

Appendix 1: Tree Constraints Plan (TCP)

See following page.



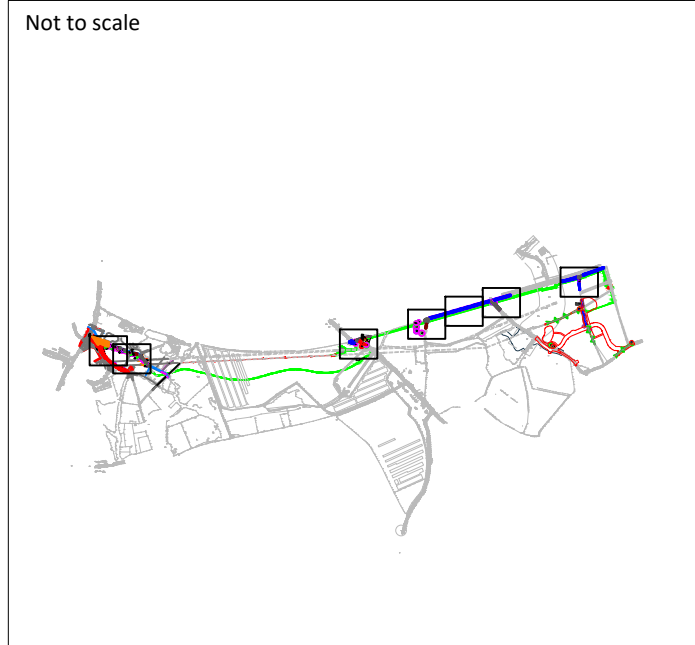
LEGEND

TREE CATEGORIES - NOTE: Quality class description derived from BS5837:2012

- Category A**
Trees / Groups of high quality: with an estimated remaining life expectancy of at least 40 years.
- Category B**
Trees / Groups of moderate quality: with an estimated remaining life expectancy of at least 20 years.
- Category C**
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- Category U**
Trees / Groups: in such a condition that they cannot realistically be retained as living trees in the context of current land use for longer than 10 years.
- Root Protection Area (RPA)**
- T#***
Trees not included in original site survey and therefore positions are indicative only.
- Features recorded in the original survey that have been removed and are no longer a consideration.
- No access at time of survey
- Easement

Based on SSEN drawing (South Wokingham Plan.dwg, 2409s018.dwg and CON24461-01ex ALP.dwg. Please see original for details.
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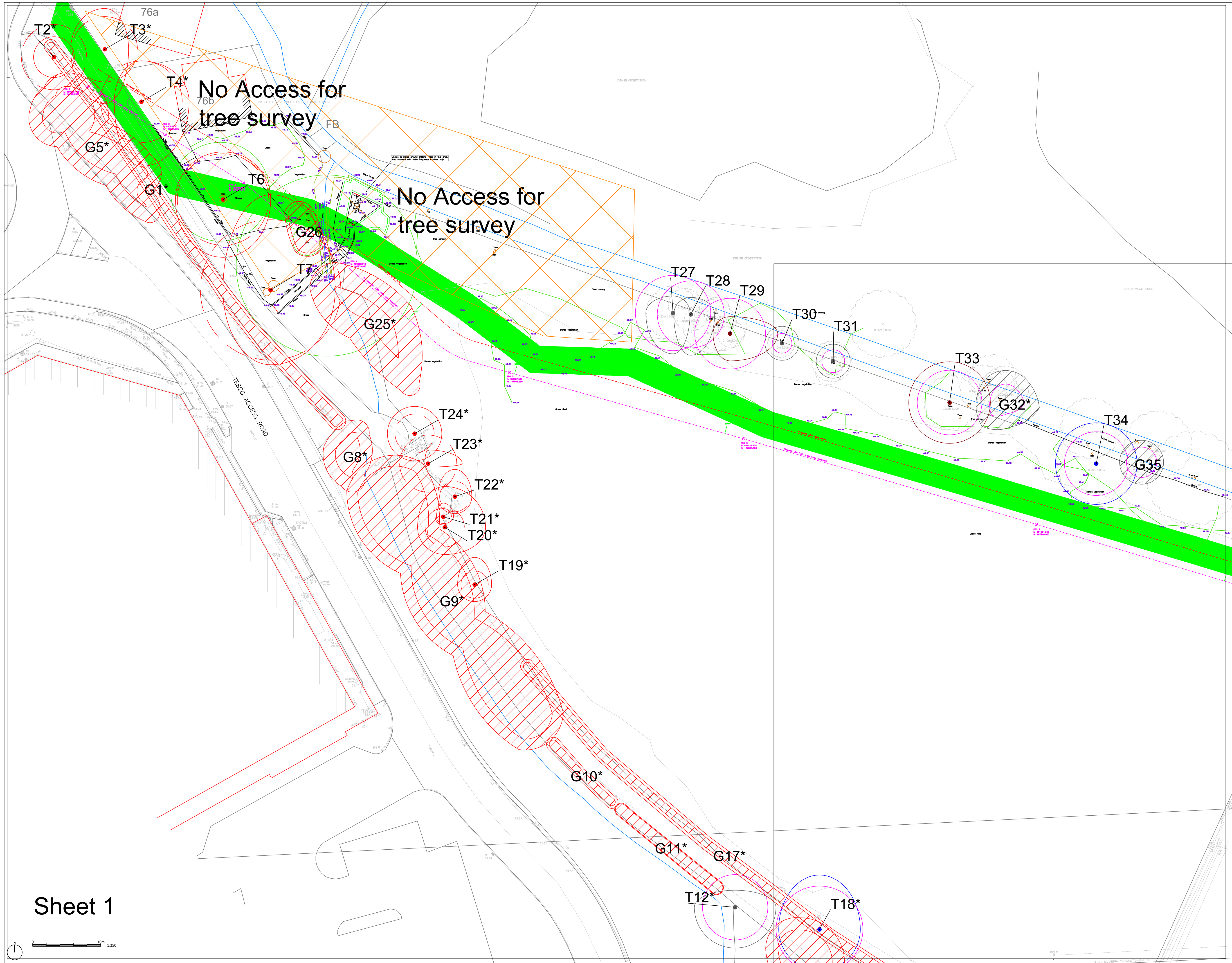
SHEET LOCATION PLAN



Second Issue	Updated Survey	March 2025
First Issue		December 2024
Rev.	Issue Details.	Date.

Client:
Clancy
Project:
South Wokingham
Drawing Title:
Tree Constraints Plan
Drawing No: ADAS_1052383-018_Clancy_South Woking_TCP
Scale: A1 Full Area (Not to Scale)
Drawn by: FM
Date: 5/12/24
Checked by: IW
Date: 5/12/24
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LEGEND

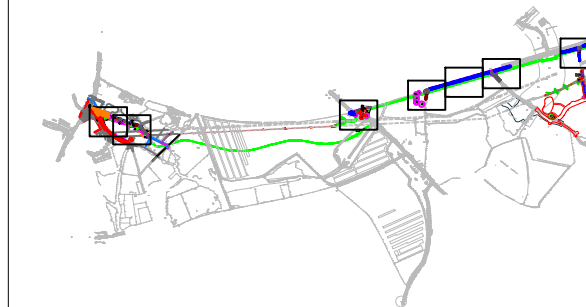
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Not to scale



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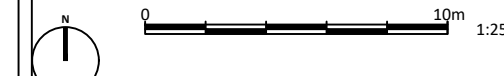
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Drawn by: FM
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Date: 5/12/24
Date: 5/12/24

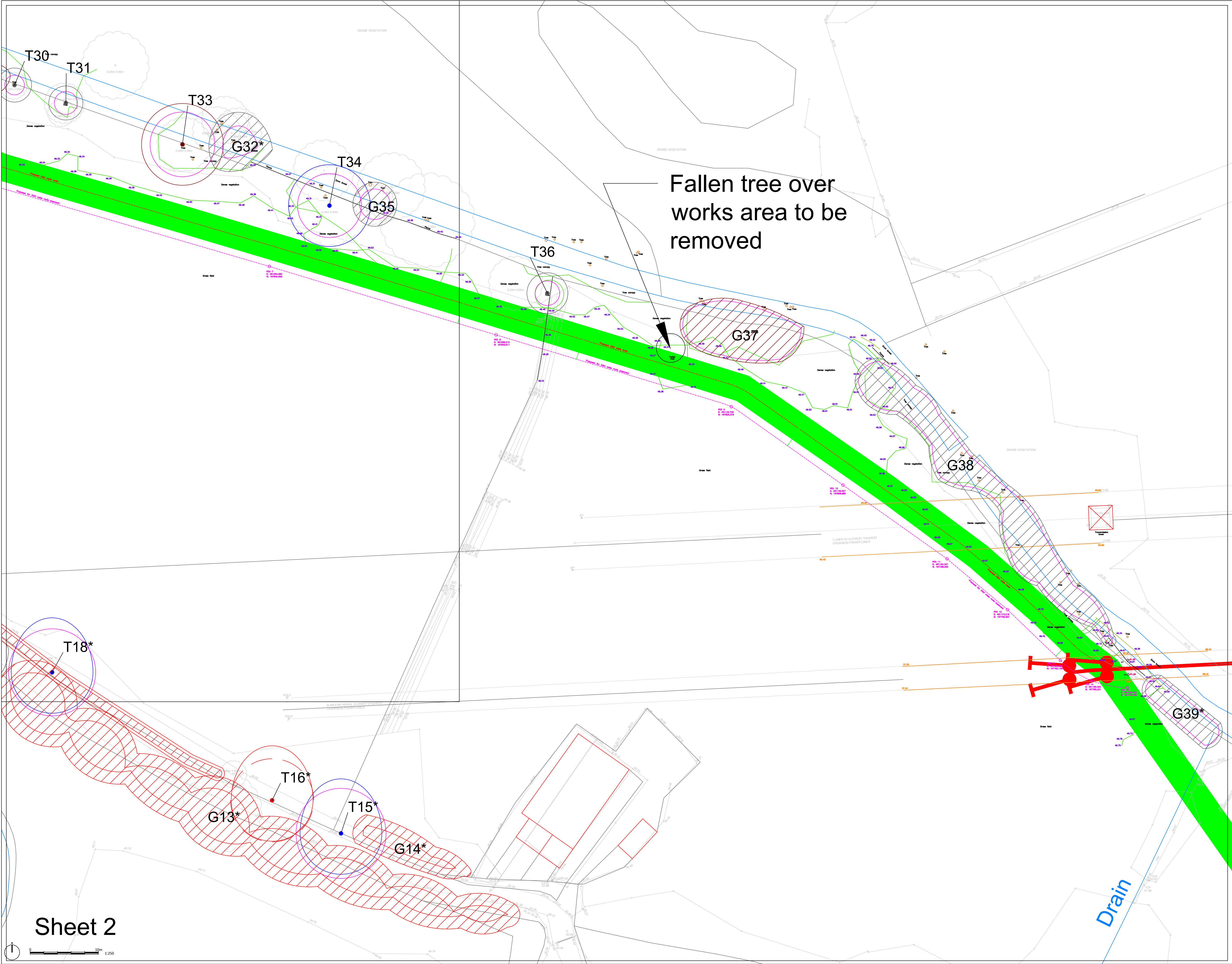
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Sheet 1





LEGEND

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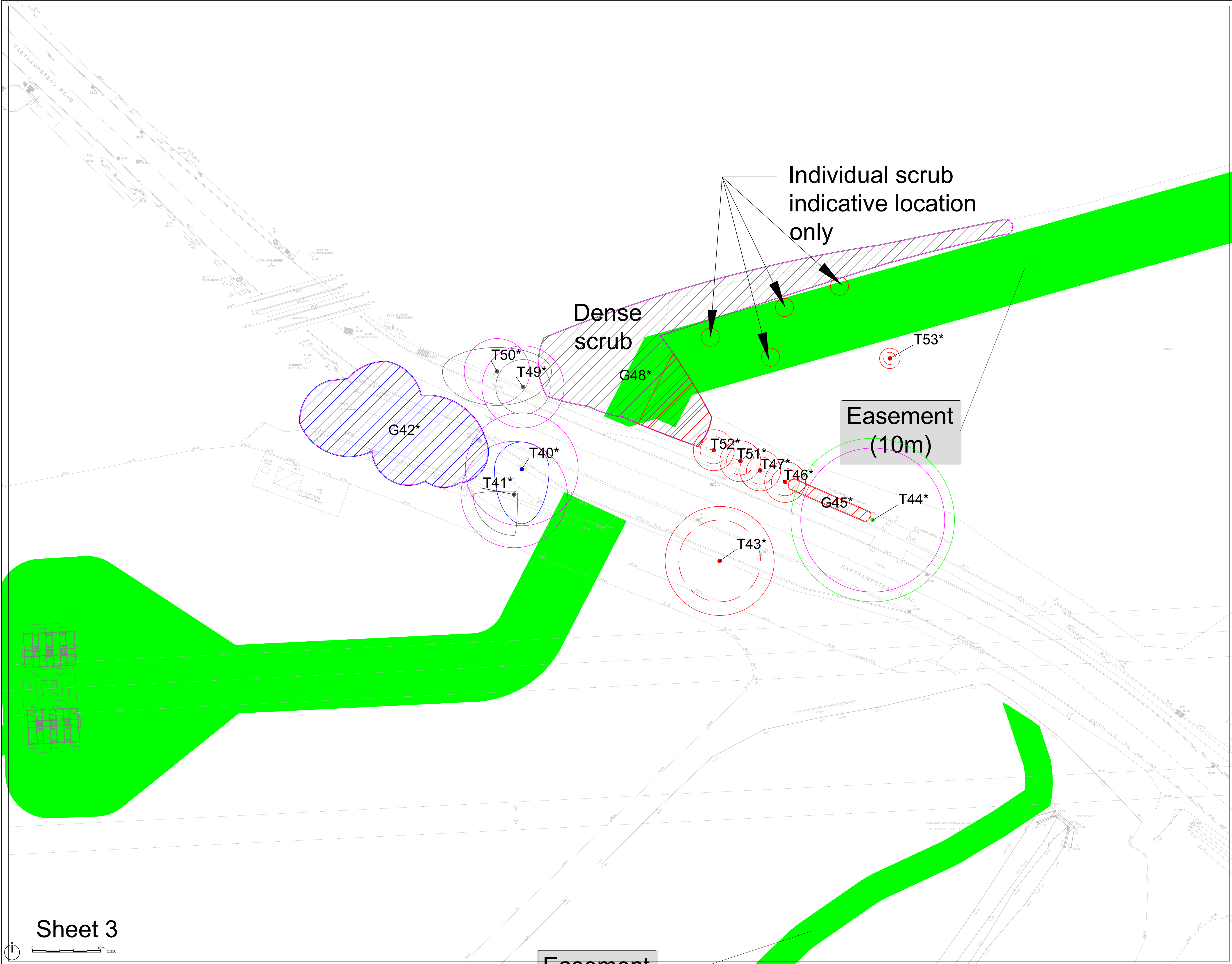
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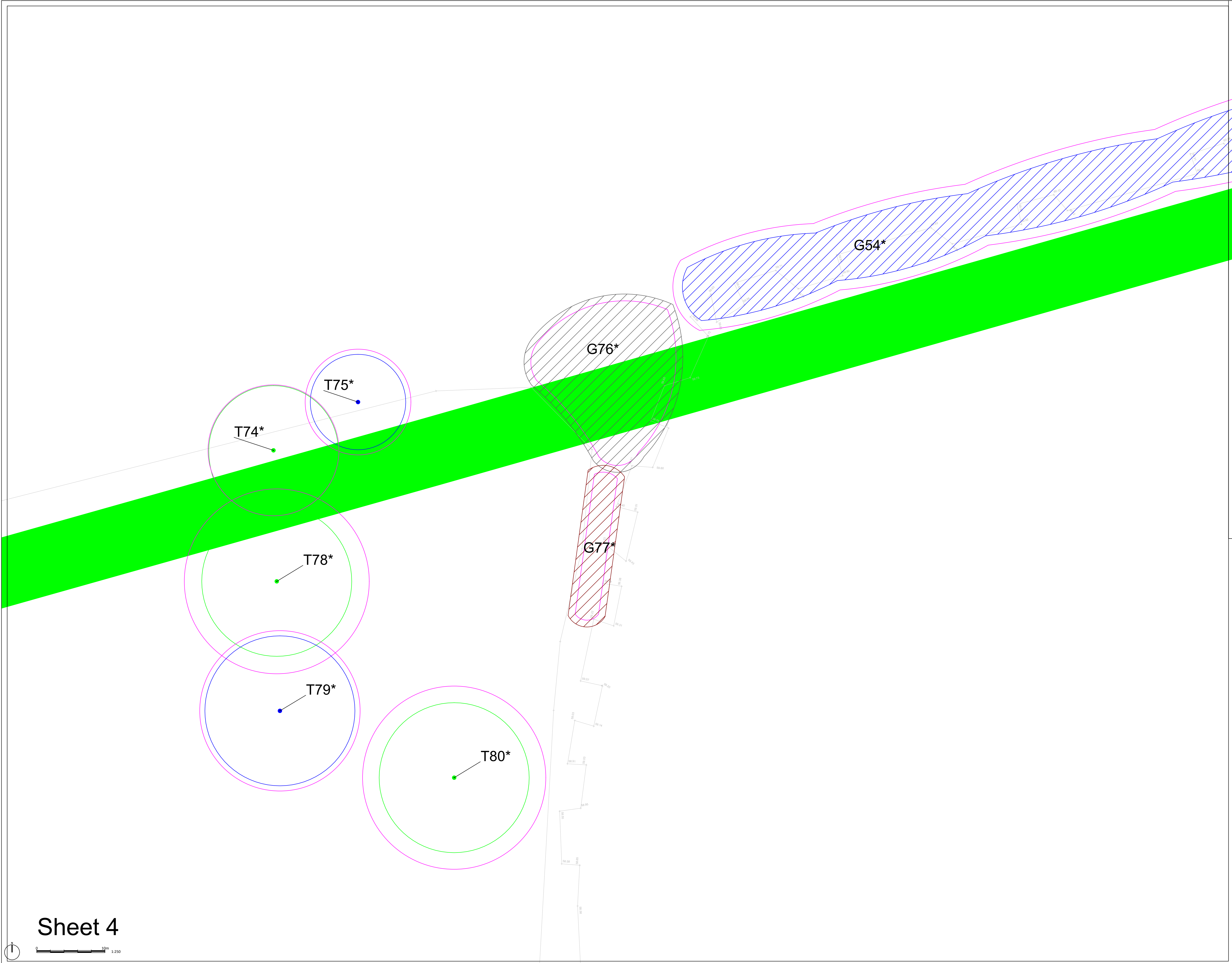
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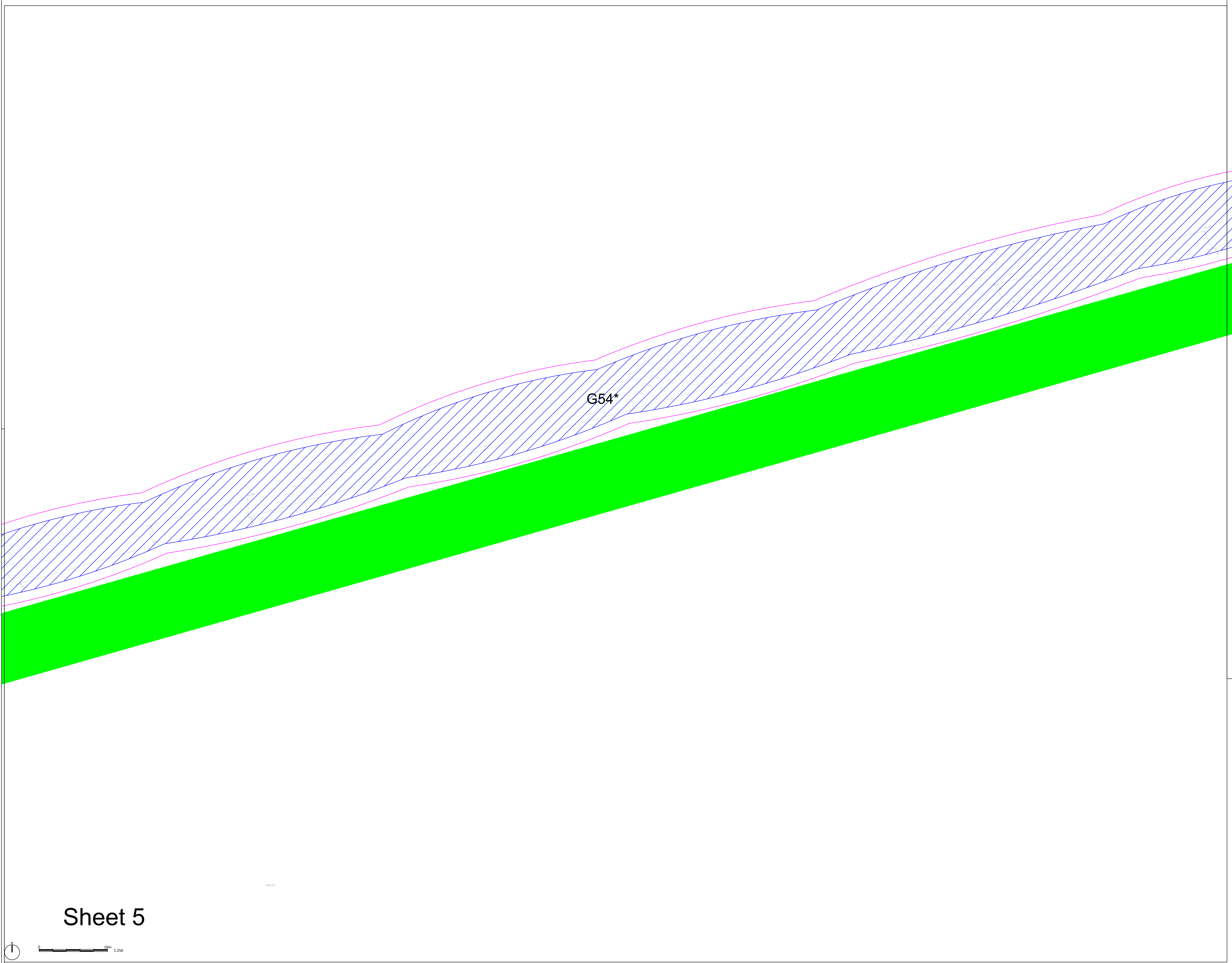
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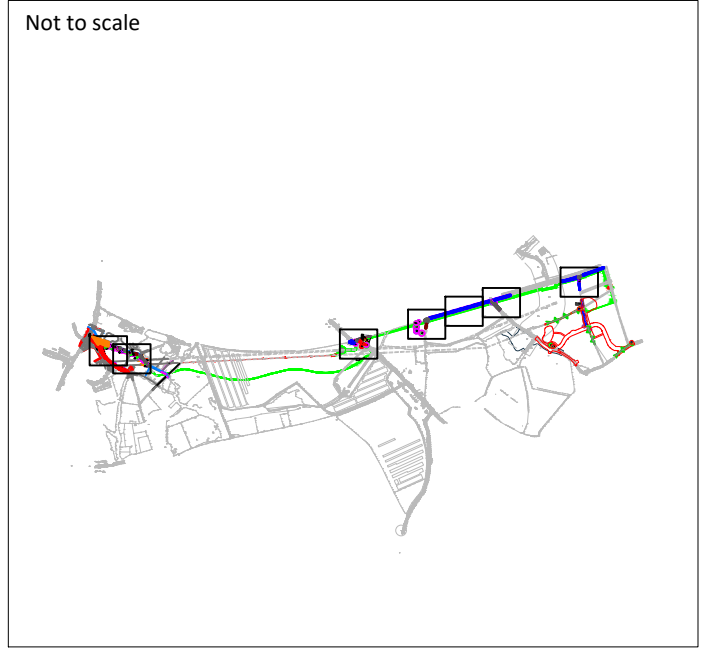
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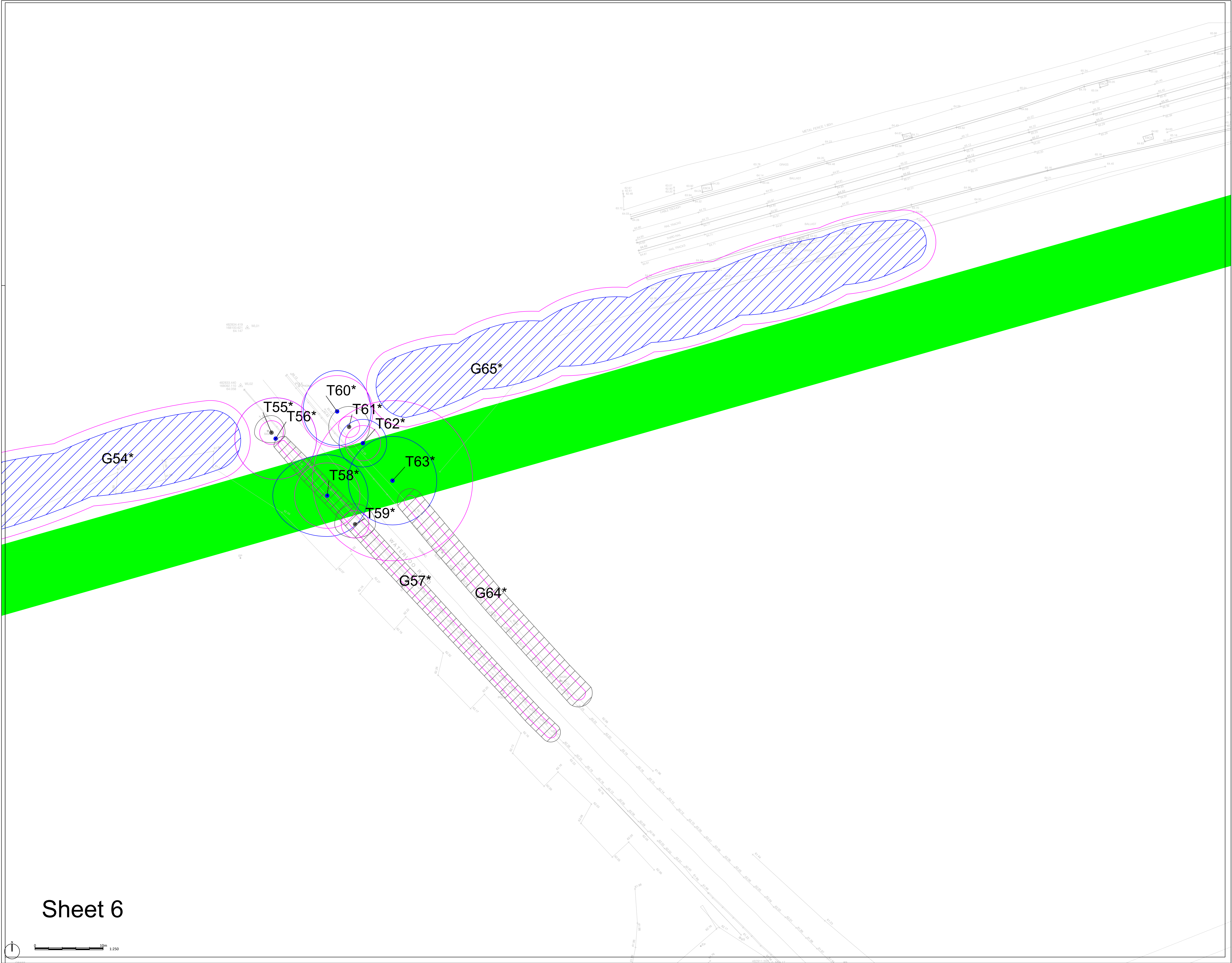
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T#*

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Second Issue
First Issue
Rev.

Updated Survey
Issue Details.

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December 2024
Date.

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Clancy

Project:

South Wokingham

Drawing Title:

Tree Constraints Plan

Drawing No:

ADAS_1052383-018_Clancy_South Woking_TCP

Scale:

A1 @ 1:250 / Sheet 6

Drawn by:

FM

Date:

5/12/24

Checked by:

IW

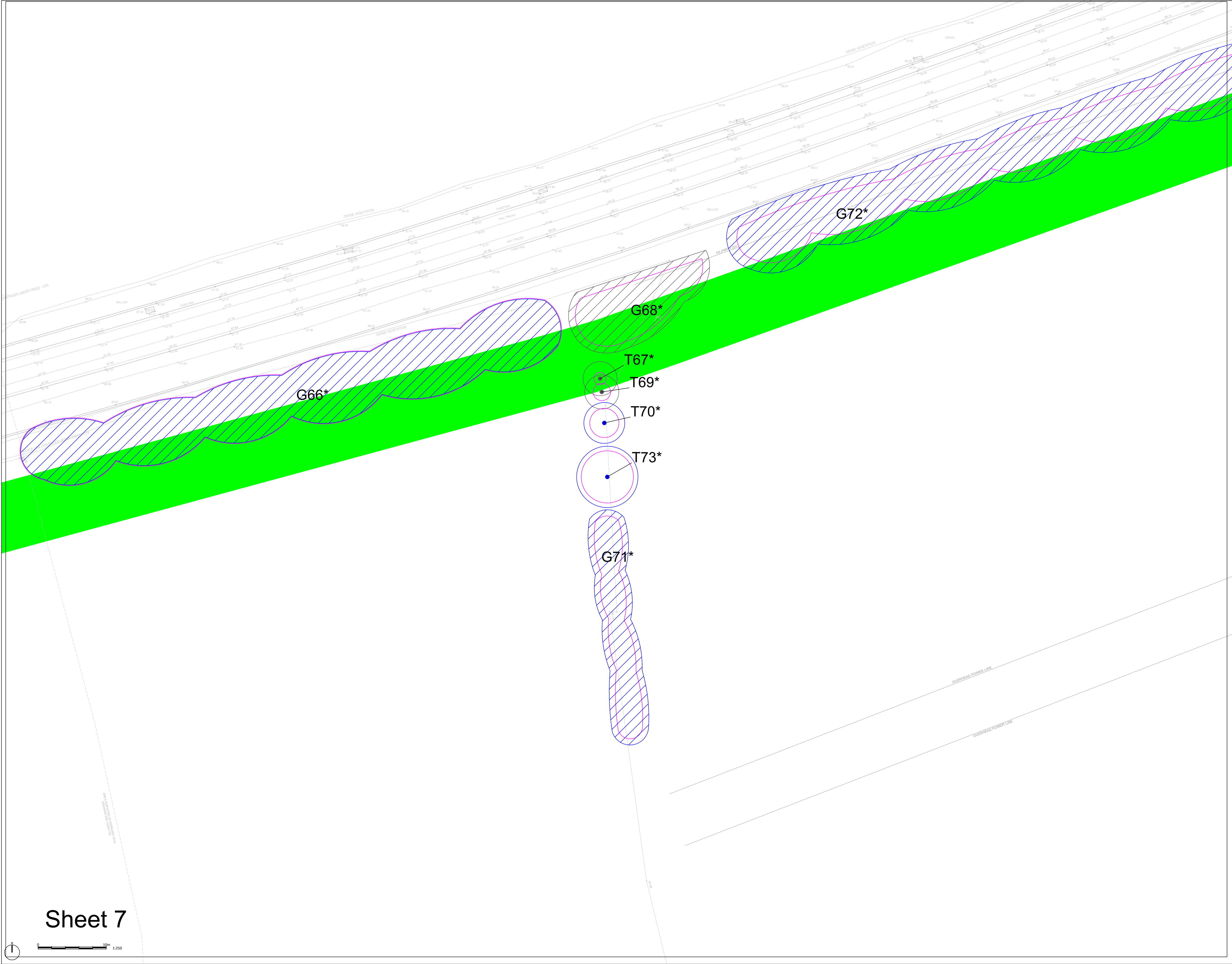
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Sheet 6



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SHEET LOCATION PLAN

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Drawing No: ADAS_1052383-018_Clancy_South Woking_TCP

Scale: A1 @ 1:250 / Sheet 7

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Appendix 2: Tree Protection Plan (TPP)

See following page.



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- Trees for removal**
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- T#***
- No access at time of survey
- Easement
- Tree Protection Fencing
- Ground Protection
- RPA incursion loss:
T41 = 4.3%
T40 = 3%
T56 = 10.9%
T59 = 12.2%
- Indicative compound location

Based on SS2N drawing (South Wokingham Plan.dwg, 24099018.dwg and CON24461-01ex ALP.dwg. Please see original for details.
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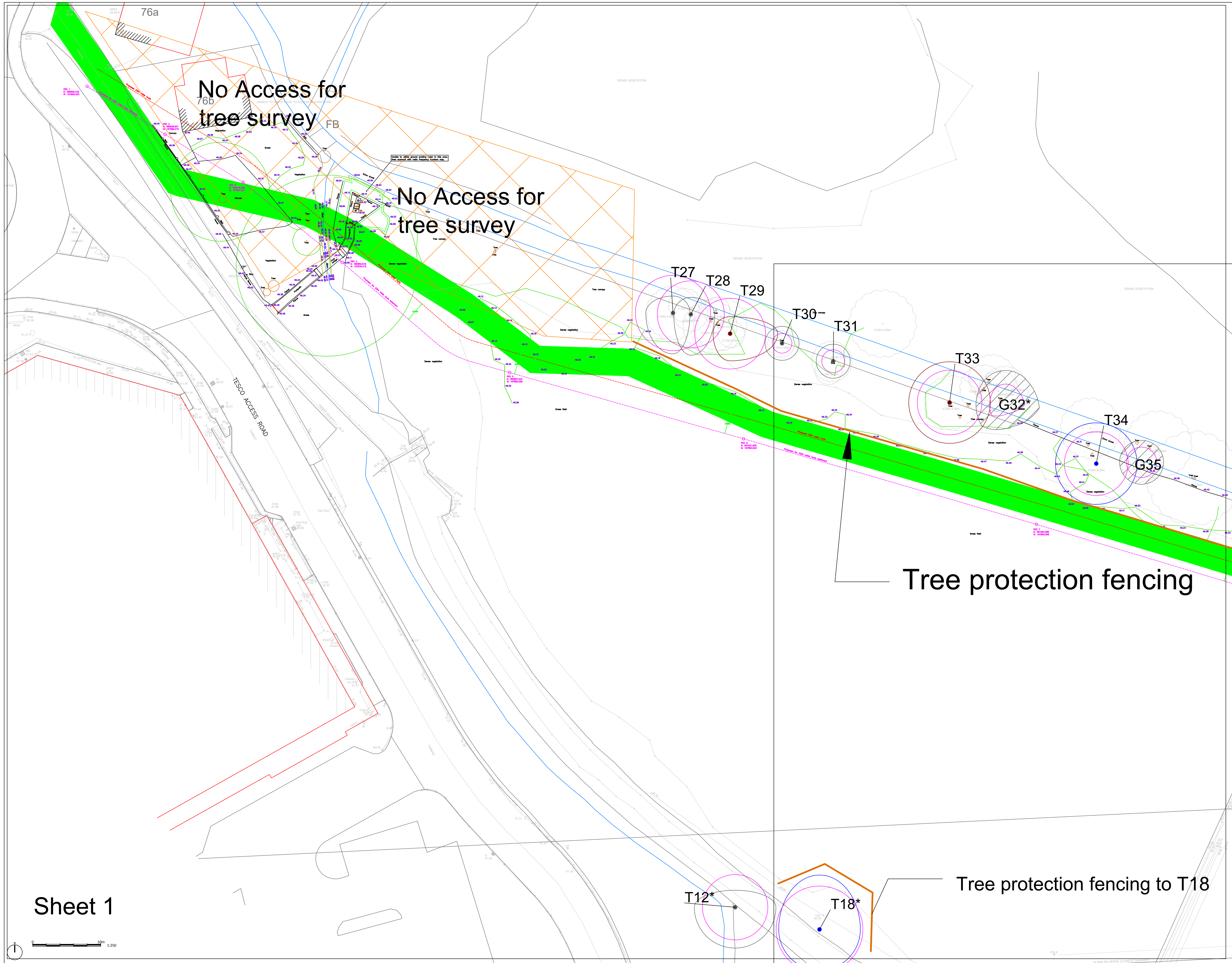
SHEET LOCATION PLAN



Third Issue	Amended Plan	May 2025
Second Issue	Updated Survey	March 2025
First Issue		December 2024
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Client:
Clancy
Project:
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Drawing Title:
Tree Protection Plan
Drawing No: ADAS_1052383-018_Clancy_South Woking_TPP
Scale: A1 Full Area (Not to Scale)
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Date: 5/12/24
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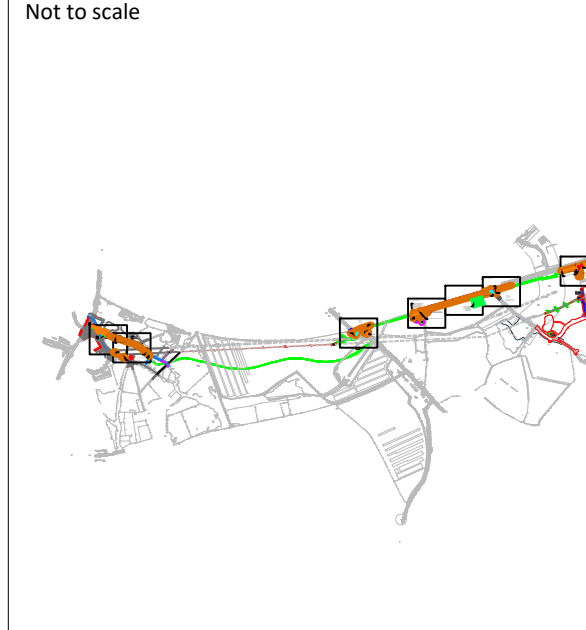
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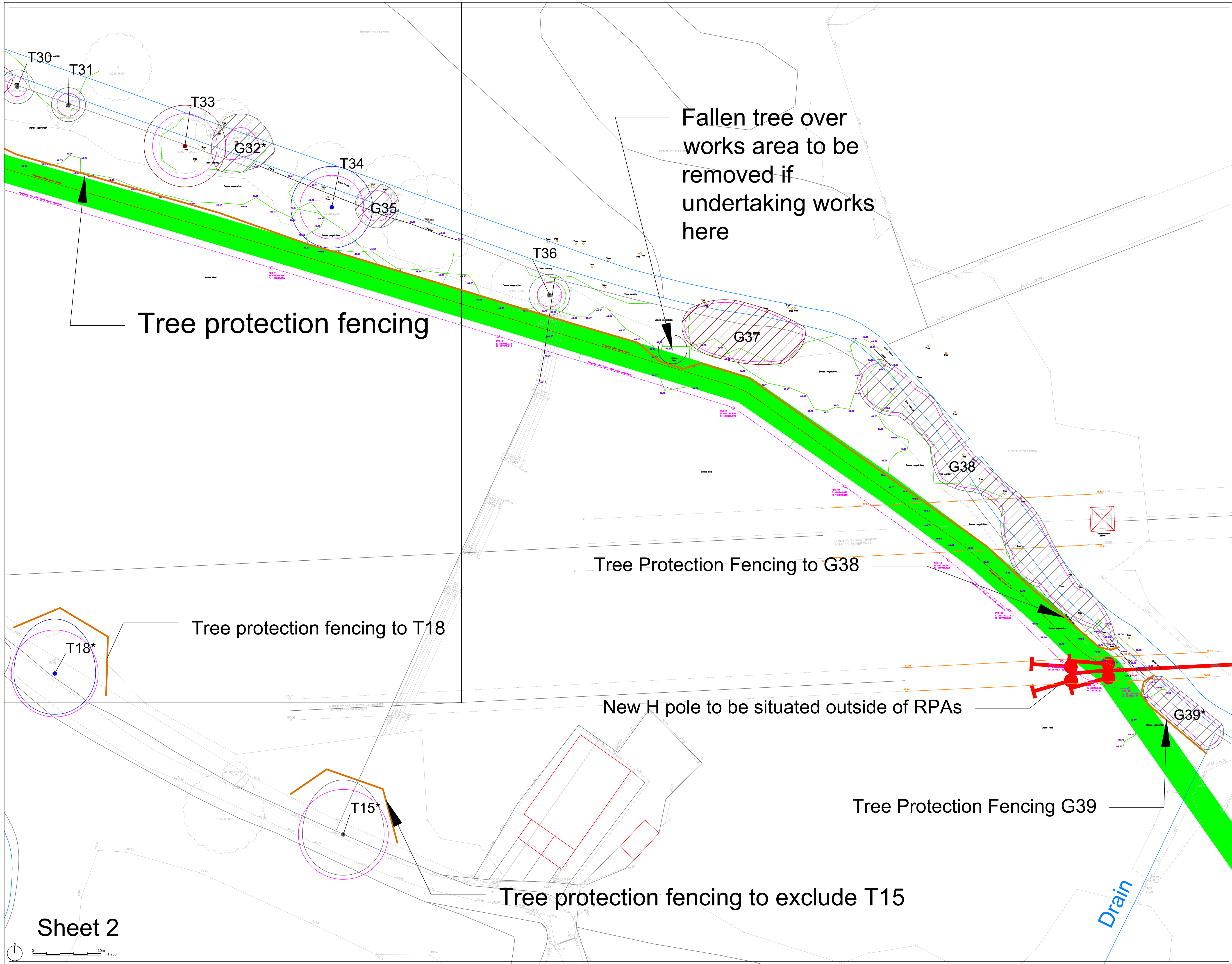
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TPO Tree: T40 / T41 / G42 / T44

RPA loss:
T41 = 4.3%
T40 = 3%

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Easement

Tree Protection Fencing

Ground Protection

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Sheet 3

0 10m 1:250

Easement

TPO Tree: T78 / T79 / T80

Arboricultural supervision
between T74 and T78.
Trench excavation to be
undertaken with Vac ex
and air lance

T57 - Crown lift southern aspect to 5m
T74 - Crown lift southern aspect to 5m
T78 - Crown lift northern aspect to 5m

Tree
protection
fencing

Ground protection either side of trench

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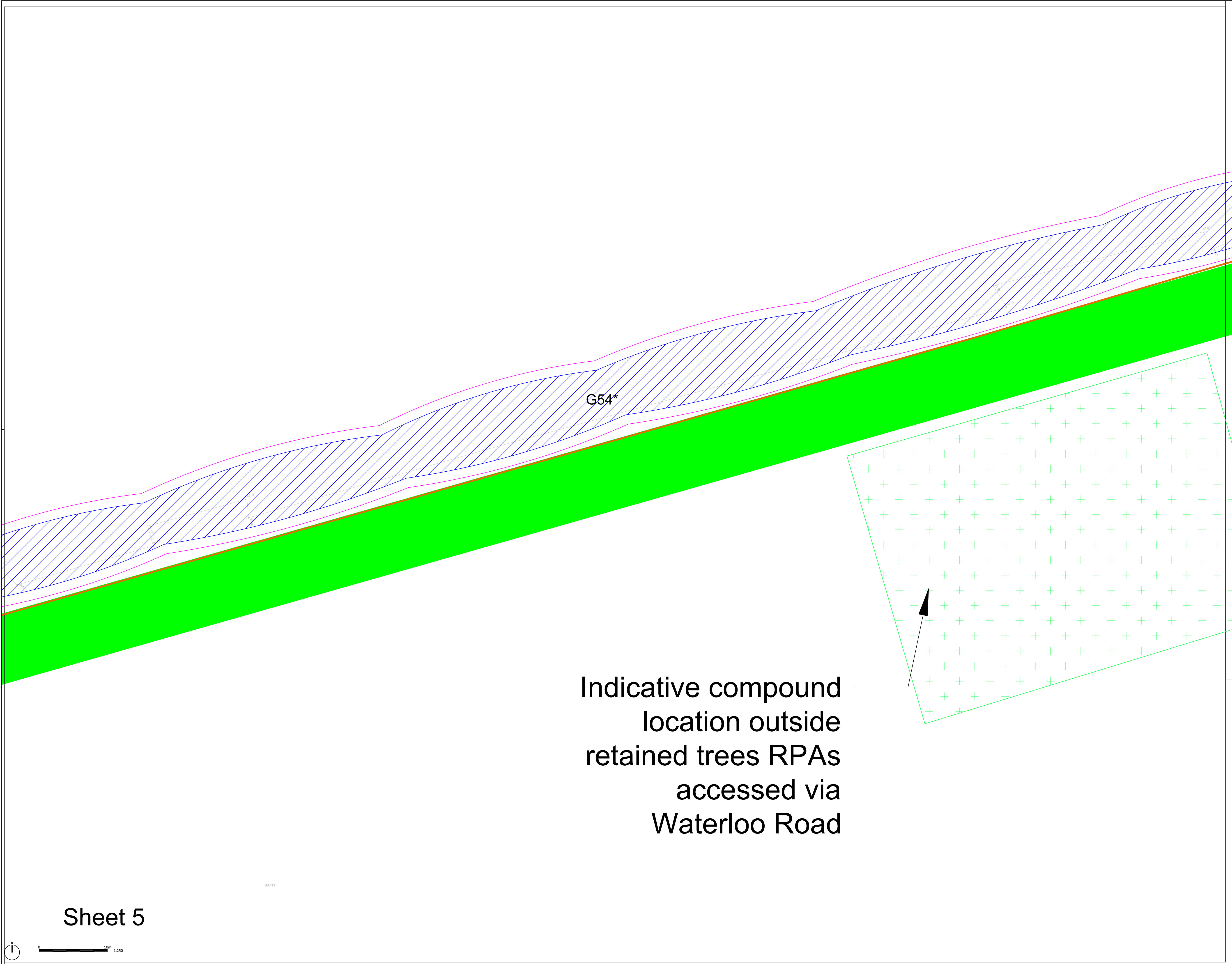
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Date: 5/12/24
Date: 5/12/24

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LEGEND

TREE CATEGORIES - NOTE: Quality class description derived from BS5837:2012

- Category A**
Trees / Groups of high quality: with an estimated remaining life expectancy of at least 40 years.
- Category B**
Trees / Groups of moderate quality: with an estimated remaining life expectancy of at least 20 years.
- Category C**
Trees / Groups of low quality: with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.
- Category U**
Trees / Groups: in such a condition that they cannot realistically be retained as living trees in the context of current land use for longer than 10 years.
- Root Protection Area (RPA)**
- Trees for removal**
Trees not included in original site survey and therefore positions are indicative only.
- T#***
No access at time of survey
- Easement
- Tree Protection Fencing
- Ground Protection
- RPA incursion loss:
T41 = 4.3%
T40 = 3%
T56 = 10.9%
T59 = 12.2%
- Indicative compound location

Based on SSEN drawing (South Wokingham Plan.dwg, 2409s018.dwg and CON24461-01ex ALP.dwg. Please see original for details.
This drawing was produced in colour; a monochrome copy should not be relied upon.

SHEET LOCATION PLAN



Third Issue	Amended Plan	May 2025
Second Issue	Updated Survey	March 2025
First Issue		December 2024
Rev.	Issue Details.	Date.

Client:
Clancy
Project:
South Wokingham
Drawing Title:
Tree Protection Plan
Drawing No: ADAS_1052383-018_Clancy_South Woking_TPP
Scale: A1 @ 1:250 / Sheet 5
Drawn by: FM
Date: 5/12/24
Checked by: IW
Date: 5/12/24



TPO Tree: T56 / T58 / T63

Tree protection fencing

Tree protection fencing

Tree protection fencing

RPA loss:
T56 = 10.9%
T59 = 12.2%

T59 - Reduce northern crown
extent from 3m by 1.6m

Sheet 6

LEGEND

TREE CATEGORIES - NOTE: Quality class description derived from BS5837:2012

- Category A**
Trees / Groups of high quality: with an estimated remaining life expectancy of at least 40 years.
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Trees / Groups of moderate quality: with an estimated remaining life expectancy of at least 20 years.
- Category C**
Trees / Groups of low quality: with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.
- Category U**
Trees / Groups: in such a condition that they cannot realistically be retained as living trees in the context of current land use for longer than 10 years.
- Root Protection Area (RPA)**
- Trees for removal**
Trees not included in original site survey and therefore positions are indicative only.
- T#***

- No access at time of survey
- Easement
- Tree Protection Fencing
- Ground Protection
- RPA incursion loss:
T41 = 4.3%
T40 = 3%
T56 = 10.9%
T59 = 12.2%
- Indicative compound location

Based on SS2N drawing (South Wokingham Plan.dwg, 24099018.dwg and CON24461-01ex ALP.dwg. Please see original for details.
This drawing was produced in colour; a monochrome copy should not be relied upon.

SHEET LOCATION PLAN

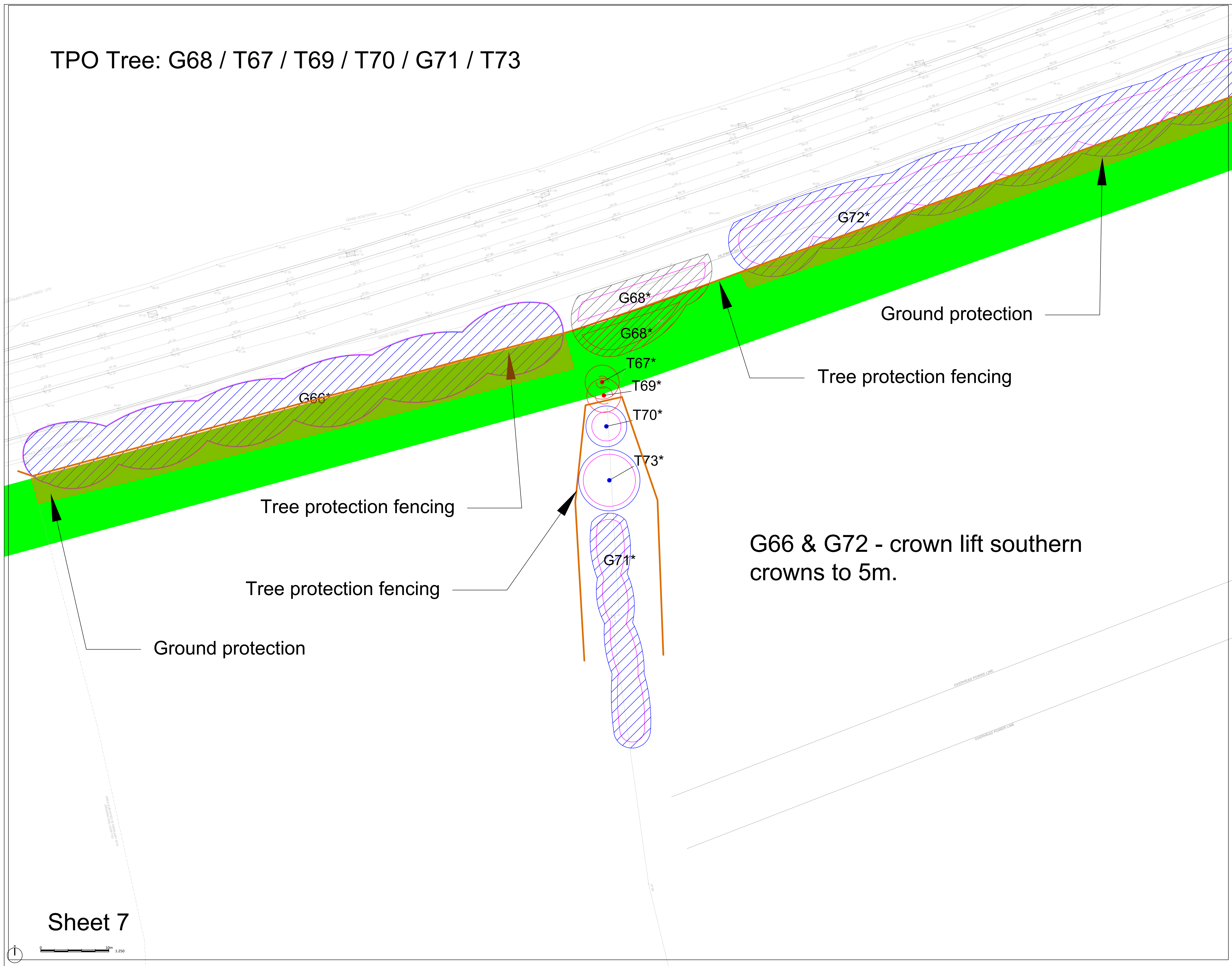


Third Issue	Amended Plan	May 2025
Second Issue	Updated Survey	March 2025
First Issue	Issue Details	December 2024
Rev.		Date.

Client:
Clancy
Project:
South Wokingham
Drawing Title:
Tree Protection Plan
Drawing No: ADAS_1052383-018_Clancy_South Woking_TPP
Scale: A1 @ 1:250 / Sheet 6
Drawn by: FM
Date: 5/12/24
Checked by: IW
Date: 5/12/24
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TPO Tree: G68 / T67 / T69 / T70 / G71 / T73



LEGEND

TREE CATEGORIES - NOTE: Quality class description derived from BS5837:2012

- Category A**
Trees / Groups of high quality: with an estimated remaining life expectancy of at least 40 years.
- Category B**
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T40 = 3%
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T59 = 12.2%
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Based on SS2N drawing (South Wokingham Plan.dwg, 24099018.dwg and CON24461-01ex ALP.dwg. Please see original for details.
This drawing was produced in colour; a monochrome copy should not be relied upon.

SHEET LOCATION PLAN

Not to scale

Third Issue
Second Issue
First Issue
Rev.

Amended Plan
Updated Survey
Issue Details.

May 2025
March 2025
December 2024
Date.

Appendix 3: Cascade Chart for Tree Quality Assessment

See following page.

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
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
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 with material conservation or other cultural value
	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

Appendix 4: TPO and Conservation Area Check

WOKINGHAM
BOROUGH COUNCIL

Protected Tree Map

Tree Works Applications Current

Tree Works Applications Historic

Tree Preservation Orders Served or Confirmed

Conservation Areas

Boundaries

58, FINCHAMPSTEAD ROAD, WOKIN...

Search result

TPO Number: 798/1996 Tree Reference: T1

Zoom to

TPO Reference

TPO Document

Description

TPO Type

Record Status

Date TPO Served

Date TPO Confirmed

TPO 0798/1996

View

Lime (Tilia x europaea)

Single

Confirmed

7/8/1996

11/15/1996

Area - The area category is one way of protecting individual trees dispersed over an area. It can protect all trees within an area defined on the Order's map or only those species which it is expedient to protect in the interests of amenity. The Order will protect only those trees standing at the time it was made.

Woodland - A Woodland TPO protects all trees within the defined area, including natural regeneration - seedlings and saplings (i.e. trees less than 3.5m in height are not excluded). The woodland category's purpose is to safeguard a woodland as a whole. So it follows that, while some trees may lack individual merit, all trees within a woodland that merits protection are protected and made subject to the same provisions and exemptions. In addition, trees and saplings which grow naturally or are planted within the woodland area after the Order is made are also protected by the Order.

How to...

Find a tree:

Use the search box to locate a specific protected tree, e.g. 1716/2020 or find an address.

View a Tree Preservation Order document (PDF):

After locating the protected tree you wish to explore, left-click it on the map to see more details.

To view a Tree Preservation Order document (PDF) left-click "View" next to TPO Document within the pop-up.

This will open our TPO document storage system in a new tab where documents are stored in sub-folders split by year e.g. TPO-1716-2020.

Protected Tree Information

WOKINGHAM
BOROUGH COUNCIL

Protected Tree Map

Tree Works Applications Current

Tree Works Applications Historic

Tree Preservation Orders Served or Confirmed

Conservation Areas

Boundaries

58, FINCHAMPSTEAD ROAD, WOKIN...

Search result

TPO Number: 798/1996 Tree Reference: T2

Zoom to

TPO Reference

TPO Document

Description

TPO Type

Record Status

Date TPO Served

Date TPO Confirmed

TPO 0798/1996

View

Oak (Quercus robur)

Single

Confirmed

7/8/1996

11/15/1996

Area - The area category is one way of protecting individual trees dispersed over an area. It can protect all trees within an area defined on the Order's map or only those species which it is expedient to protect in the interests of amenity. The Order will protect only those trees standing at the time it was made.

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Protected Tree Information

WOKINGHAM
BOROUGH COUNCIL

Protected Tree Map

Tree Works Applications Current

Tree Works Applications Historic

Tree Preservation Orders Served or Confirmed

Conservation Areas

Boundaries

58, FINCHAMPSTEAD ROAD, WOKIN...

Search result

TPO Number: 798/1996 Tree Reference: T3

Zoom to

TPO Reference

TPO Document

Description

TPO Type

Record Status

Date TPO Served

Date TPO Confirmed

TPO 0798/1996

View

Oak (Quercus robur)

Single

Confirmed

7/8/1996

11/15/1996

Area - The area category is one way of protecting individual trees dispersed over an area. It can protect all trees within an area defined on the Order's map or only those species which it is expedient to protect in the interests of amenity. The Order will protect only those trees standing at the time it was made.

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After locating the protected tree you wish to explore, left-click it on the map to see more details.

To view a Tree Preservation Order document (PDF) left-click "View" next to TPO Document within the pop-up.

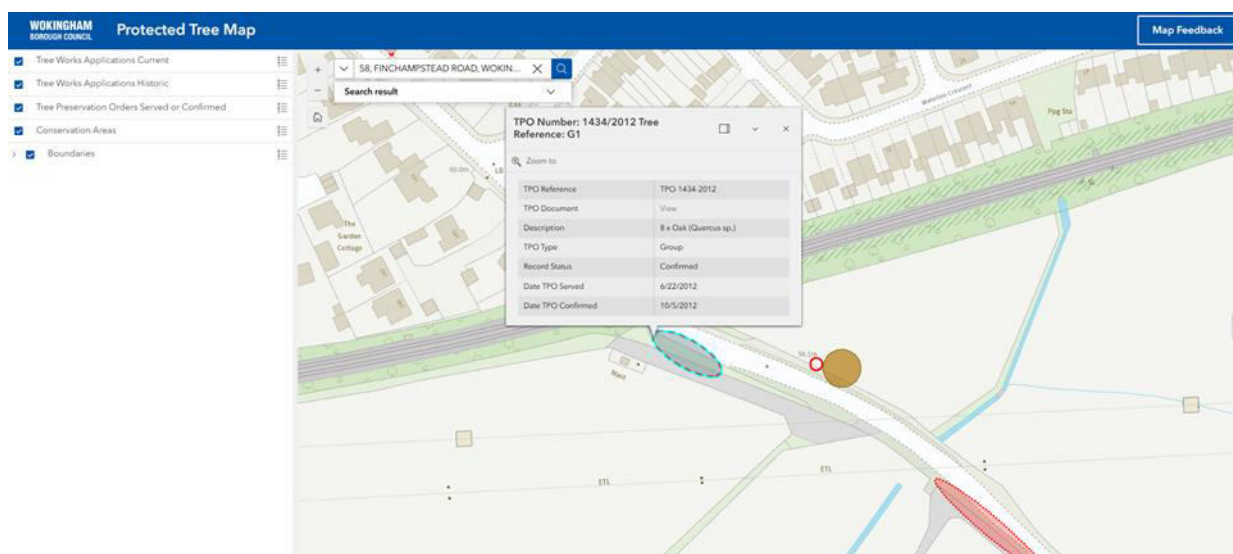
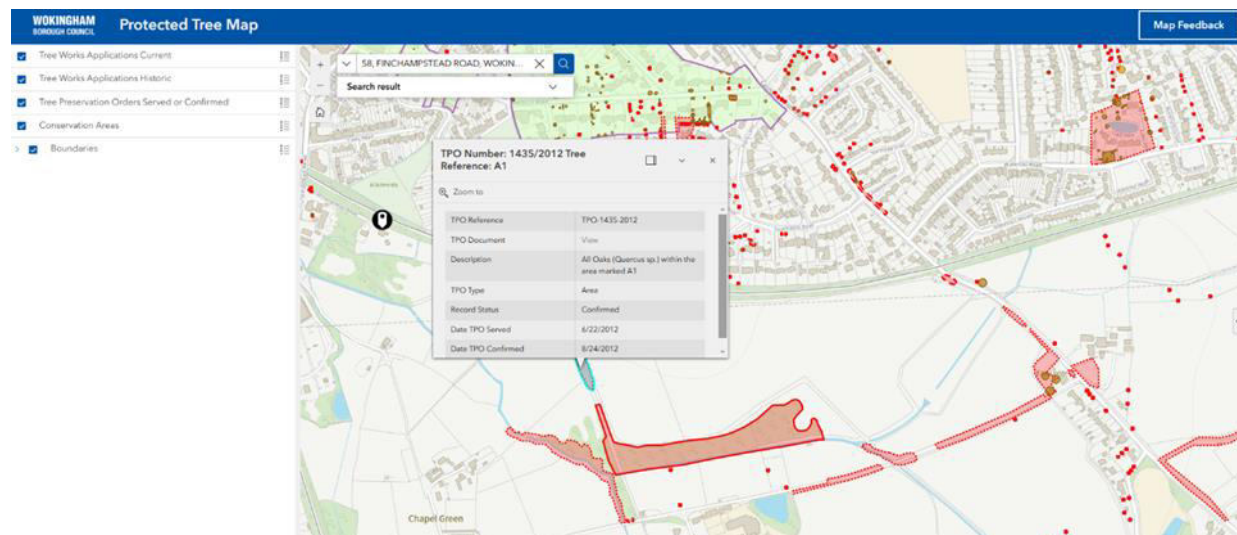
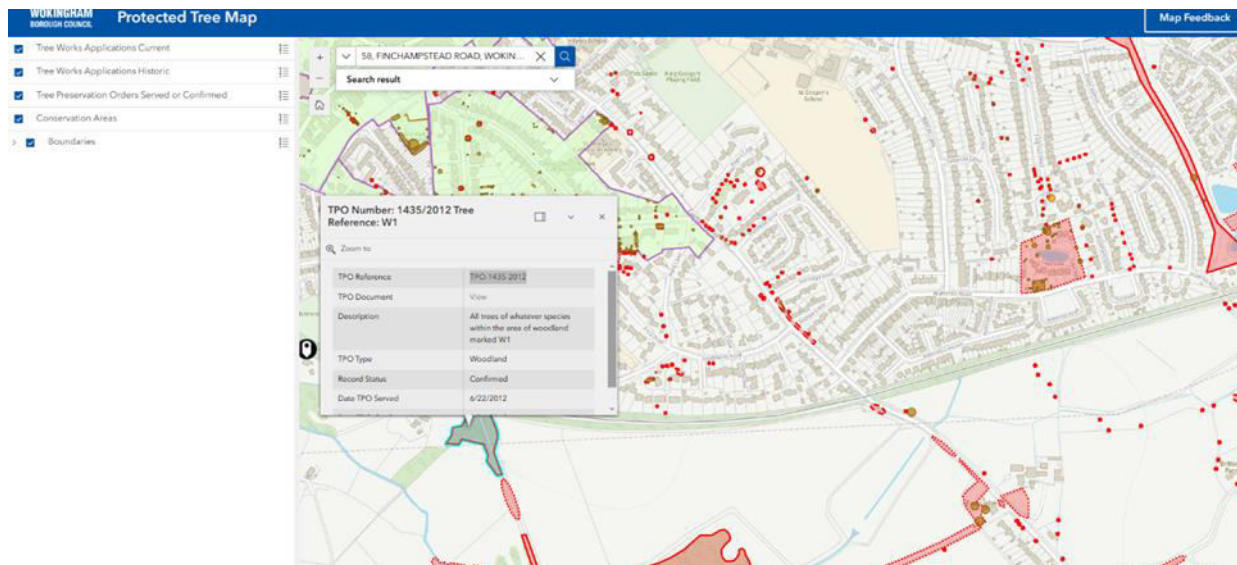
This will open our TPO document storage system in a new tab where documents are stored in sub-folders split by year e.g. TPO-1716-2020.

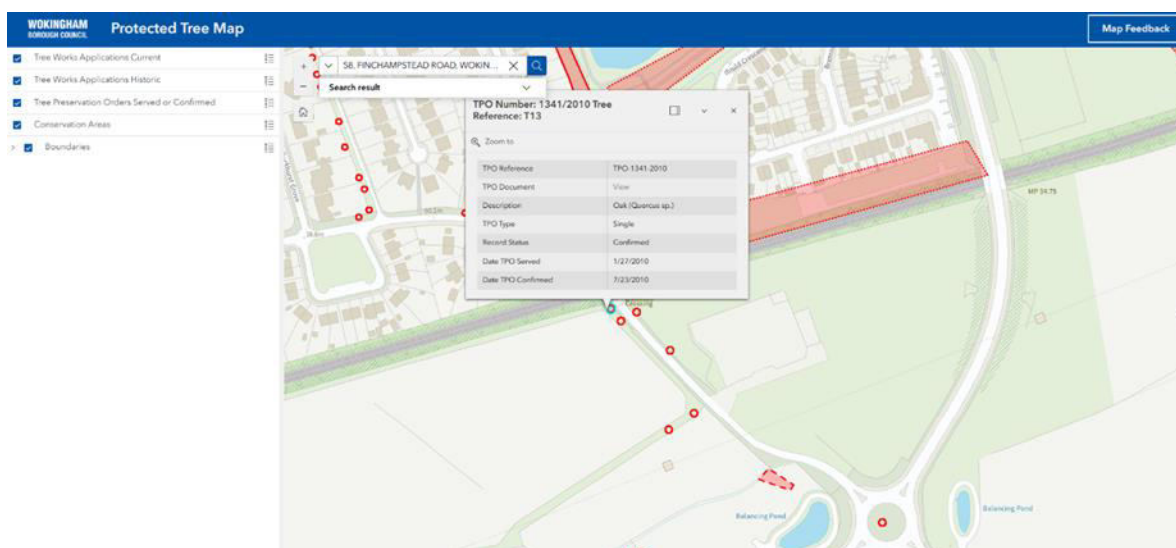
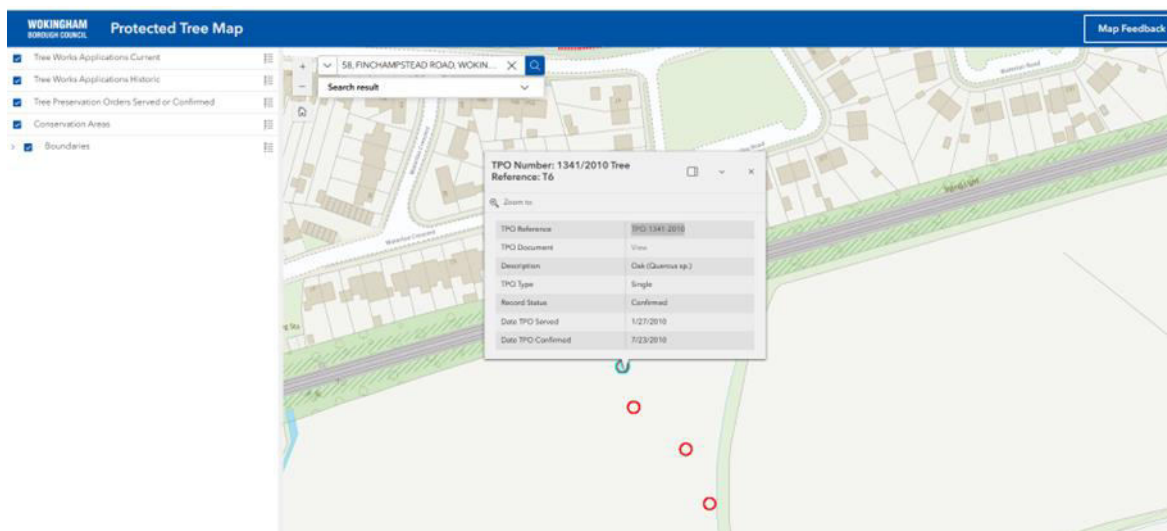
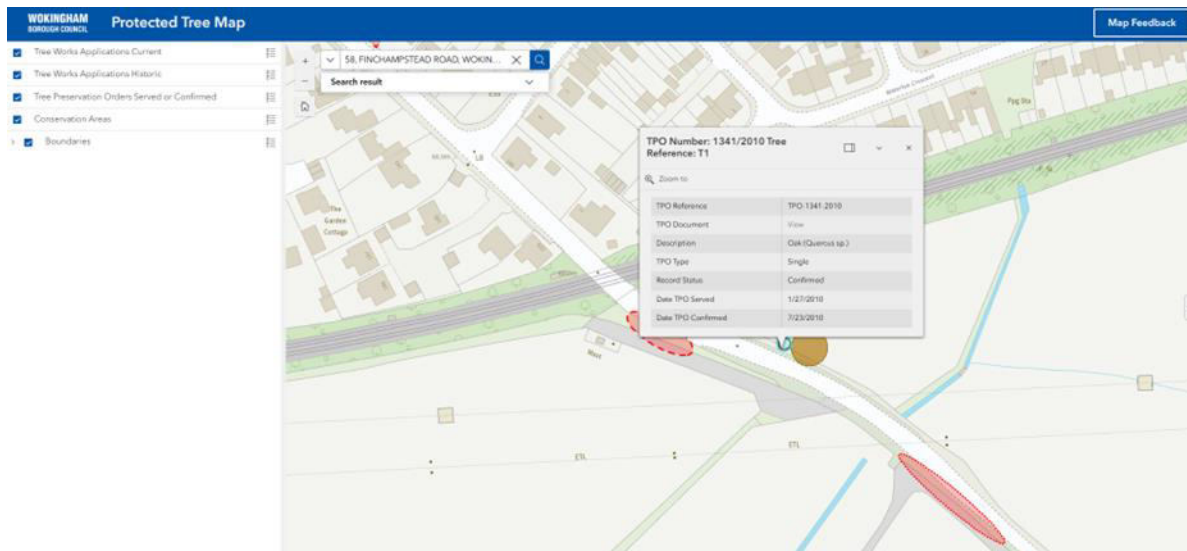
Protected Tree Information

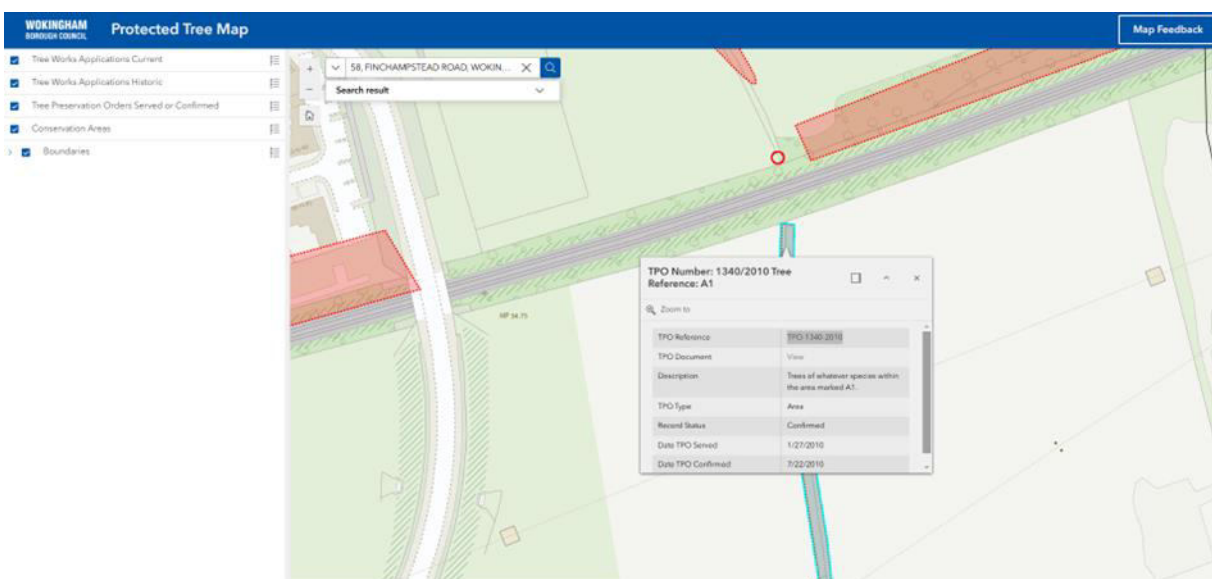
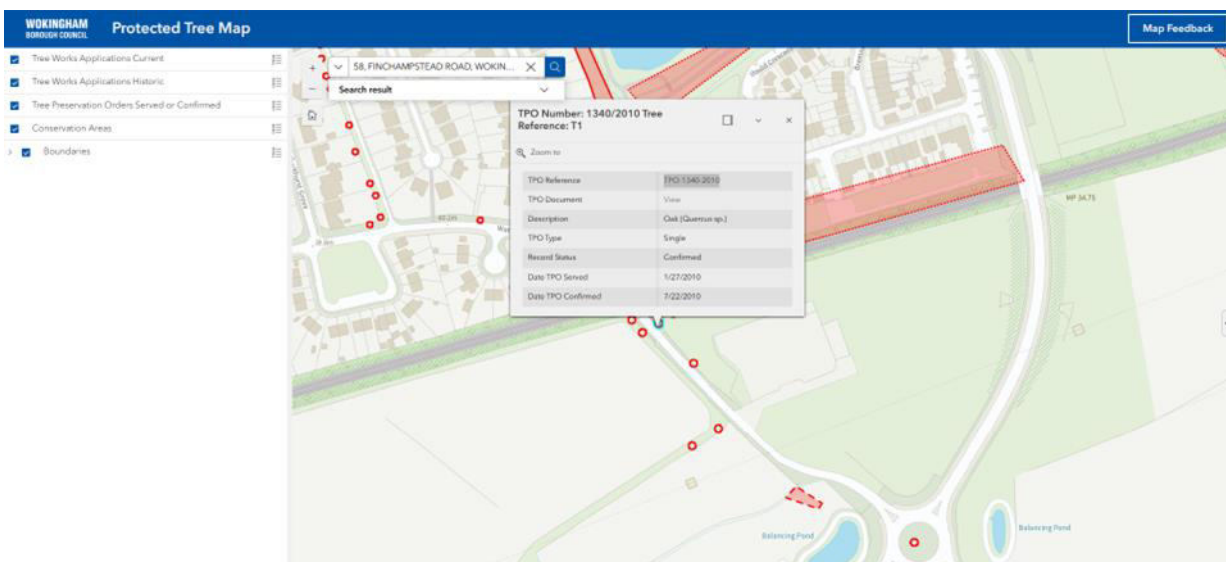
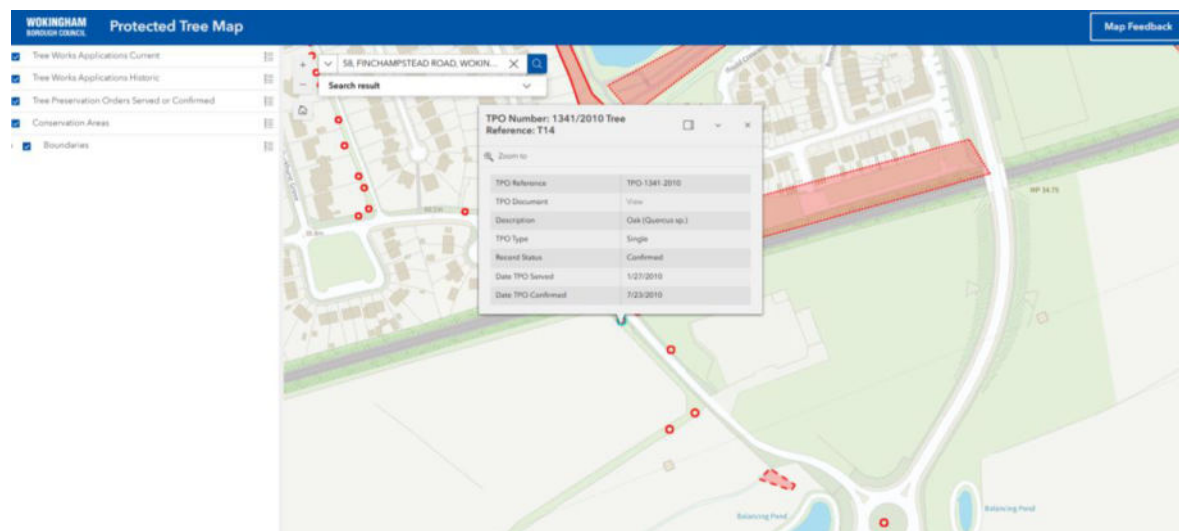
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IV

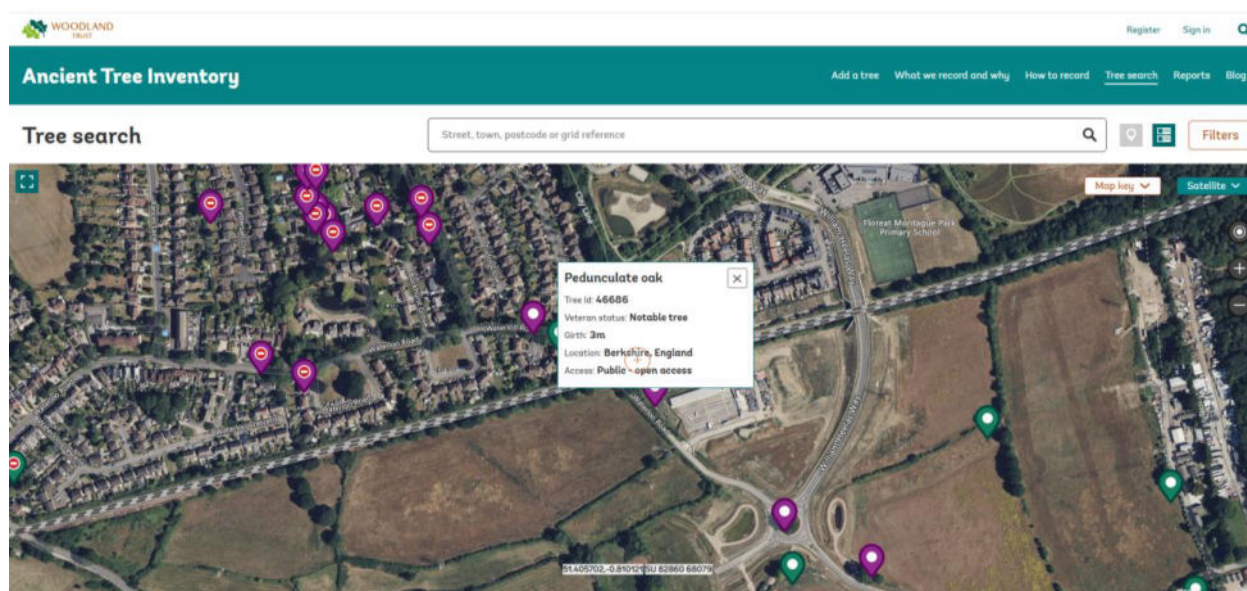
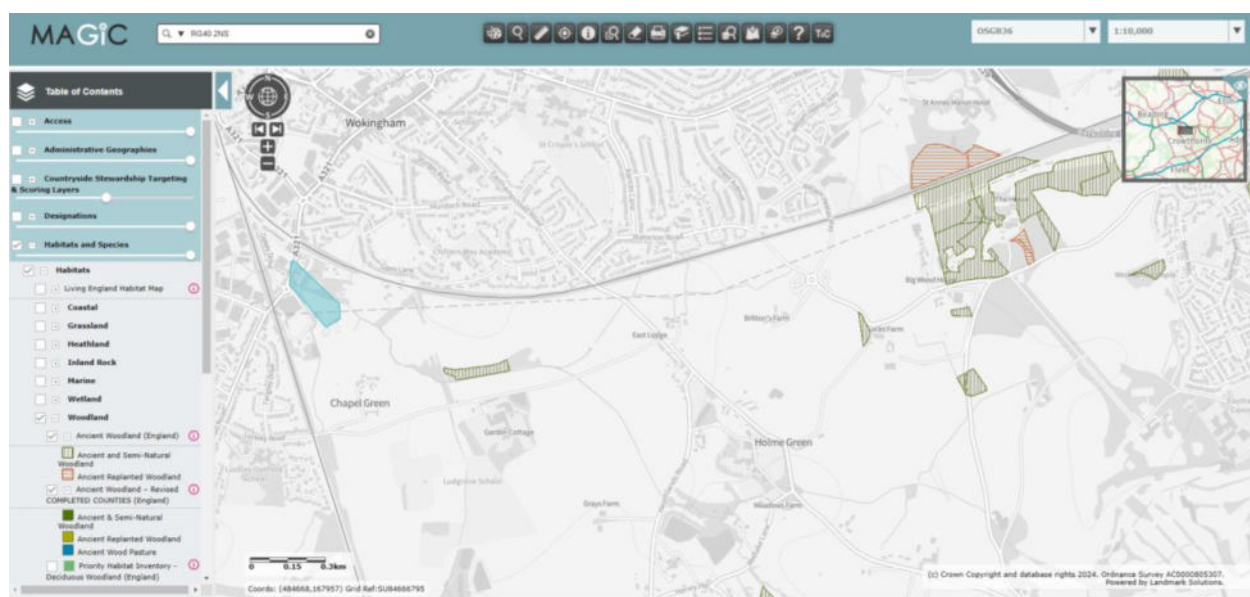








Appendix 5: Ancient Woodland Search



Appendix 6: Tree Survey Schedule

See following page.

Column Heading	Description
Tree Ref No.	All individual trees and groups of trees have been given a unique reference number. Each number is prefixed by a letter. ▪ T = Individual tree ▪ G = Group of trees
Species	The English common name has been used.
Single or Multiple stem (S or M)	* 'S' represents a tree which has a single clear stem to at least 1.5m above ground level. * 'M(a)' represents a tree where the main stem divides into two to five stems below 1.5m above ground level, and * 'M(b)' represents a tree where the main stem divides into 6 or more stems below a height of 1.5m.
Height (m)	Where possible tree heights are measured using a laser. In some instances such as in close groups of trees, one height may be measured and other nearby trees estimated from this height. Measurements are provided in metres.
Stem Diameter (mm)	S _n represents the stem number. Measurements are provided in millimetres at 1.5m above ground level for single stemmed trees.
Very Large Girth (y/n)	Girth is very large for species in accordance with Fig 1.3 of publication 'Ancient and other veteran trees: further guidance on management' Ancient Tree Forum 2013. RAVEN - Step 1
Ancient (A), Veteran (V) or Notable (N)	Result of the RAVEN assessment © Julian Forbes-Laird 2018 www.flac.uk.com; provided on separate ADAS Sheet 2. (RAVEN = Recognition of Ancient, Veteran & Notable Trees)
Branch Spread (m)	Measured in metres to the four cardinal compass points (N, E, S, W).
Crown Clearance	(1) Height in metres of the first significant branch, and the direction of growth. (2) Height in metres of lowest part of crown.
Life Stage	The stage at which the tree is within its lifecycle (Y = young, SM = semi-mature, EM = early-mature, M = mature, OM = over mature, V = veteran)
General Observations	Any relevant observations are recorded, with particular reference to structural and/or physiological condition.
Preliminary Management Recommendations	Recommendations are made where management work is required for reasons of health and safety or sound arboricultural management.
Estimated Remaining Contribution (years)	An estimation of how long the feature will contribute to its surroundings. This is recorded in bands of either <10 years, 10+ years, 20+ years and 40+ years.
Tree Quality Grading	The trees are graded to the categories prescribed within BS5837:2012 (U, A, B & C).
Root Protection Area	Calculated as prescribed in section 4.6 of BS5837:2012, provided as an area (m ²) and a radius from the tree's stem (m).
Note: Those measurements shown in <i>italics</i> have been estimated, usually where access has restricted it being taken.	



Tree Ref No.	Species	Single or Multiple Stem	Height	Stem Diameter												Very Large Girth	Ancient, Veteran or Notable	Branch Spread				Crown Clearance		Life Stage	General Observations (structural / physiological condition)	Preliminary Management Recommendations	Estimated Remaining Contribution	Tree Quality Grading	Root Protection Area		
				(mm)														(m)				(m)							(years)	(m ²)	(radius in m)
				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	N	E			S	W	(1)	(2)										
		(S or M)	(m)											(Y / N)	(A, V or N)																
G1	Hawthorn, Field maple, Privett, Spindle, Laurel	S	5	75										N		0.5	0.5	0.5	0.5	0-N	0	Y	Group is set back approximately 1m from existing track way on the southern aspect. Extending parallel to the track.	None	10+	C2	2.5	0.9			
T2	Horse Chestnut	S	11	400										N		3	3	3	3	5.0-E	1	SM	Tree has been previously topped at 10m. Lowest branch tip extends to middle of the trackway on the northern aspect creating a 4m height clearance. Stem measurement is estimated.	None	10+	C2	72.4	4.8			
T3	Oak	S	15	400										N		6	3.5	8	5	4.0-S	4	SM	All measurements are estimated due to security fencing. 1 x large diameter limb approx. 200mm on southern aspect creating an approximately 4m height clearance over trackway.	None	20+	B2	72.4	4.8			
T4	Oak	S	16	500										N		6	7	9.5	4	5.0-S	6	SM	All measurements are estimated due to security fence. 1 x large diameter limb around 280mm diameter on southern aspect grows over existing trackway creating an approximate 5m height clearance. Previous partially occluded wound on southern aspect of stem at 2m to 3m with exposed rotten heart wood.	None	10+	C2	113.1	6.0			
G5	Norway maple	S	14	330										N		6	6	6	6	4.0-S	4	SM	Group of 5 trees growing on the southern aspect of G1 adjacent to the Tesco access road. All measurements are estimated. Ivy on 2 of the trees to 3/4 height.	None	20+	B2	49.3	4.0			
T6	Ash	S	19	560										N		7	7	8.5	7	6.0-N	6	M	All measurements are estimated due to security fence. Tree doesn't appear to have obvious signs of ADB. 1 x limb on eastern aspect at approximately 8m has a partially occluded wound with an open cavity.	None	20+	B2	141.9	6.7			
T7	Ash	M(a)	20	500	700									N		14	9.5	11	7	4.5-S	5	M	Large double stem ash. All measurements are estimated due to security fence. Dense ivy on both stems to 3/4 height. No obvious signs of ADB. New trackway less than 0.5m south of stem.	None	20+	B2	334.8	10.3			
G8	Ash	S	10	100										N		4	4	4	4	4.0-W	4	Y	Young group of approximately 6 self-seeded trees growing approximately 1m south of the existing trackway edge.	None	10+	C2	4.5	1.2			
G9	Oak, Ash	S	15	450										N		7	7	7	7	5.0-N	5.5	EM	Group grows adjacent to existing trackway, north of the ditch. Average height clearance of around 5m. Group is semi mature understory with 3 mature oaks evenly spread along the length.	None	20+	B2	91.6	5.4			
G10	Hawthorn, Field maple, Privett, Spindle, Hazel, Holly	S	5	75										N		0.5	0.5	0.5	0.5	0-N	0	Y	Group is set back approximately 0.5m from existing track way on the southern aspect extending parallel to the track.	None	10+	C2	2.5	0.9			
G11	Hazel	S	5	75										N		1	1	1	1	0-N	0	SM	Recent hazel coppice of 4 stools. Set back approximately 1m from path edge adjacent to the ditch.	None	10+	C2	2.5	0.9			
T12	Oak	S	14	400										N		2.5	6	6	6	3.0-E	3	SM	Measurements are estimated due to growing on ditch edge. Northern crown maintained for over head line clearance.	None	10+	C2	72.4	4.8			
G13	Oak, Field maple	S	14	350										N		6	6	6	6	5.0-N	5	SM	Measurements are estimated due to growing adjacent to ditch. Average height clearance over track of approximately 5m.	None	20+	B2	55.4	4.2			
G14	Hawthorn	S	5	110										N		3	3	1.5	3	0-N	0	SM	Group on northern aspect of existing trackway, southern crown maintained for track access.	None	10+	C2	5.5	1.3			



Tree Ref No.	Species	Single or Multiple Stem (S or M)	Height (m)	Stem Diameter (mm)										Very Large Girth (Y / N)	Ancient, Veteran or Notable (A, V or N)	Branch Spread (m)				Crown Clearance (m)		Life Stage	General Observations (structural / physiological condition)	Preliminary Management Recommendations	Estimated Remaining Contribution (years)	Tree Quality Grading	Root Protection Area	
				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10			N	E	S	W	(1)	(2)						(m²)	(radius in m)
T15	Oak	S	17	550										N		8	6	6	6	2.0-N	2	EM	Tree grows on northern aspect of existing trackway. Ivy to full height. Crown weighted to the north.	None	20+	B2	136.9	6.6
T16	Oak	M(a)	16	300	300	280								N		8	6	6	6	4.0-N	3	EM	Estimated measurements due to growing on bank. Ivy to crown. Crown weight to the northern aspect.	None	20+	B2	116.9	6.1
G17	Hawthorn, Ash, Holly, Field maple	S	5	75										N		0.5	0.5	0.5	0.5	0-N	0	Y	Group is set back approximately 0.25m from existing track way on the northern aspect extending parallel to the track.	None	10+	C2	2.5	0.9
T18	Oak	M(a)	15	300	300	320								N		8	6	6	6	2.0-N	2	EM	Estimated measurements due to undergrowth. Tree grows on northern aspect of existing track approximately 1m higher than field level to the north.	None	20+	B2	127.8	6.4
T19	Hazel	M(a)	6	75	75	75	75	75						N		4	2.5	2.5	2.5	0-E	0	SM	Hazel coppice, northern crown extends over field by approximately 4m.	None	10+	C2	12.7	2.0
T20	Oak	S	12	240										N		6	6	4	4	5.0-N	3	SM	Tree grows 1m east of gate, crown extends into field over dense scrub.	None	20+	B2	26.1	2.9
T21	Hawthorn	S	5.5	100										N		2	1.5	1	1	2.5-E	2	Y	Tree grows on corner of gate, crown weighted to northern aspect.	None	10+	C2	4.5	1.2
T22	Ash	M(a)	10	100	90	80	100							N		4	2.5	2.5	2.5	2.0-N	1	Y	Tree grows on northern aspect of gate, crown weighted to the northeastern aspect.	None	10+	C2	15.6	2.2
T23	Willow	S	4	350										N		5	0	0	0	0-N	0	EM	Failed tree snapped at 2m. 1x branch extending upwards, tree has fallen into field on the north eastern aspect.	Notify Landowner	<10	U	55.4	4.2
T24	Ash	S	11	240										N		4	4	4	4	4.0-E	4	SM	Measurements are estimated due to bramble and wet ground.	None	10+	C2	26.1	2.9
G25	Willow	S	14	350										N		8	14	8	8	1.0-E	1	EM	Group of willow, eastern stem of most southern tree has cracked at 0.5m off the ground. Group has poor form.	None	10+	C2	55.4	4.2
G26	Lawson cypress	S	7	250										N		2.5	2.5	2.5	2.5	0-N	0	Y	All measurements are estimated, surveyed from afar due to no access or clear sight lines.	None	10+	C2	28.3	3.0
T27	Alder	M(a)	15	300	350									N		2.5	2.5	6	4	2.0-S	1.5	EM	Measurements are estimated due to growing on fast river bank. Ivy to full height, crown weighted to the southern aspect.	None	10+	C2	96.1	5.5
T28	Alder	M(a)	13	300	280									N		2.5	3.5	6	2.5	3.0-S	2	EM	Measurements are estimated due to growing on fast river bank. Ivy to full height, crown weighted to the southern aspect. Dense bramble preventing access.	None	10+	C2	76.2	4.9



Tree Ref No.	Species	Single or Multiple Stem	Height	Stem Diameter														Very Large Girth	Ancient, Veteran or Notable	Branch Spread				Crown Clearance		Life Stage	General Observations (structural / physiological condition)	Preliminary Management Recommendations	Estimated Remaining Contribution	Tree Quality Grading	Root Protection Area		
				(mm)																(m)				(m)							(years)	(m ²)	(radius in m)
				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	N	E	S	W			(1)	(2)												
				(S or M)	(m)									(Y / N)	(A, V or N)																		
T29	Alder	M(a)	13	300	240	200									N		2.5	7	4	2.5	3.0-S	2	EM	measurements are estimated due to growing on fast river bank, crown weighted to the eastern aspect. Dense bramble preventing access. 1 x limb has broken and leans to the eastern aspect making the crown extent.	None	<10	U	84.9	5.2				
T30	Hawthorn	S	5	120											N		2.5	2.5	2.5	2.5	0-N	0	Y	All measurements are estimated, surveyed from afar due to dense bramble and wet ground.	None	10+	C2	6.5	1.4				
T31	Hawthorn	S	5	140											N		2.5	2.5	2.5	2.5	0-N	0	Y	All measurements are estimated, surveyed from afar due to dense bramble and wet ground.	None	10+	C2	8.9	1.7				
G32	Alder	S	14	300											N		2.5	6	6	2.5	2.0-S	1.5	SM	All measurements are estimated due to dense undergrowth and very wet ground.	None	10+	C2	40.7	3.6				
T33	Alder	M(a)	15	280	280										N		6	6	6	6	3.0-S	3	SM	Tree appears to be in poor health with deadwood throughout the crown. All measurements are estimated due to dense undergrowth and wet ground.	None	<10	U	70.9	4.8				
T34	Alder	M(a)	14	300	250										N		6	6	6	6	2.5-S	2	EM	All measurements are estimated due to dense undergrowth.	None	20+	B2	69.0	4.7				
G35	Holly	S	4	75											N		2.5	2.5	2.5	2.5	0-N	0	SM	Group grows south of stream.	None	10+	C2	2.5	0.9				
T36	Oak	S	6	150											N		3	3	3	3	1.0-E	1	Y	Measurements estimated due to wet ground.	None	10+	C2	10.2	1.8				
G37	Alder	S	14	300											N		4	4	4	4	1.5-E	1.5	SM	Group of three trees, central one is dead, group has poor form. All measurements are estimated due to dense undergrowth.	None	<10	U	40.7	3.6				
G38	Alder, Hawthorn	S	12	280											N		4	4	4	4	0-N	0	SM	Measurements are estimated due to dense undergrowth. Height maintained under OHL.	None	10+	C2	35.5	3.4				
G39	Oak, Hawthorn	S	6	150											N		2.5	2.5	2.5	2.5	0-N	0	Y	Estimated measurements due to dense and wet ground.	None	10+	C2	10.2	1.8				
T40	Oak	S	15	690											N		4	4	8	4	1.0-S	1	SM	Tree grows adjacent to layby, minor ivy to half height.	None	20+	B2	215.4	8.3				
T41	Oak	S	15	650											N		0.5	0.5	6	6	1.5-S	1	SM	Tree grows on fence line at bottom of bank. Grown with the crown weighted to the southwestern aspect and to suppressed growth. Tree has minor ivy on stem to half height.	None	10+	C2	191.2	7.8				
G42	Oak	S	15	480											N		6	6	6	6	1.0-W	0.5	SM	Group grows on grass verge close to level crossing consisting of approximately 4 trees with ivy on stems to 3/4 height.	None	20+	B2	104.2	5.8				



Tree Ref No.	Species	Single or Multiple Stem	Height	Stem Diameter												Very Large Girth	Ancient, Veteran or Notable	Branch Spread				Crown Clearance		Life Stage	General Observations (structural / physiological condition)	Preliminary Management Recommendations	Estimated Remaining Contribution	Tree Quality Grading	Root Protection Area		
				(mm)														(m)				(m)							(years)	(m²)	(radius in m)
				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	N	E			S	W	(1)	(2)										
				(S or M)	(m)	(Y / N)	(A, V or N)	N	E	S	W	(1)	(2)																		
T43	Oak	M(a)	13	300	400									N		8	8	8	8	1.0-N	1	EM	Stem measurements estimated due to steep slope, tree grows on top of bank.	None	20+	B2	113.1	6.0			
T44	Oak	S	24	880										N		12	12	12	12	4.0-N	0.5	M	Stem measurements estimated due to no access, ivy to crown, tree has good structure and form.	None	40+	A2	350.4	10.6			
G45	Hawthorn	S	4	75										N		1	1	1	1	0-N	0	Y	12m section of young Hawthorn.	None	10+	C2	2.5	0.9			
T46	Ash	M(a)	6	75	75	75	75	75	75	75	75	75	75	N		3	3	3	3	0-N	0	SM	Ash coppice, maintained as part of boundary hedgerow.	None	10+	C2	12.7	2.0			
T47	Ash	M(a)	6	75	75	75	75	75	75	75	75	75	75	N		3	3	3	3	0-N	0	SM	Ash coppice, maintained as part of boundary hedgerow.	None	10+	C2	12.7	2.0			
G48	Hawthorn, Blackthorn	S	3.5	75										N		0.5	0.5	0.5	0.5	0-N	0	Y	Young dense scrub included for completeness although individually do not meet the requirements within the BS5837.	None	10+	C2	2.5	0.9			
T49	Ash	M(a)	15	230	200	230	240	220	75					N		4	4	4	4	1.0-S	1	SM	Grows on grass verge boundary, ivy to half height. No obvious signs of ADB.	None	10+	C2	113.9	6.0			
T50	Oak	S	16	400										N		3.5	8	5	8	5.0-E	4	SM	Deadwood throughout canopy, lots of epicormic growth estimated measurements due to tree growing behind security fencing.	None	10+	C2	72.4	4.8			
T51	Ash	M(a)	6	75	75	75	75	75	75	75	75	75	75	N		3	3	3	3	0-N	0	SM	Ash coppice, maintained as part of boundary hedgerow.	None	10+	C2	12.7	2.0			
T52	Ash	M(a)	6	75	75	75	75	75	75	75	75	75	75	N		3	3	3	3	0-N	0	SM	Ash coppice, maintained as part of boundary hedgerow.	None	10+	C2	12.7	2.0			
T53	Oak	S	5	75										N		1.5	1.5	1.5	1.5	0-N	0	Y	Young tree, surveyed for afar, no access at time of survey.	None	10+	C2	2.5	0.9			
G54	Blackthorn, Sycamore, Oak	S	15	300										N		5	5	5	5	4.0-W	4	SM	Surveyed from afar due to no access, all measurements are estimated. Linear feature extends adjacent to rail way.	None	20+	B2	40.7	3.6			
T55	Elder	M(a)	6	75	75	100								N		2.5	2	1.5	2.5	0-N	0	SM	Supressed growth from neighbouring tree. Estimated measurements, tree grows on steep gradient.	None	10+	C2	9.6	1.7			
T56	Oak	M(a)	14	400	300									N		6	6	6	6	2.0-S	2.5	EM	Estimated measurements, tree grows on steep gradient. Ivy to full height. Crown has crown between OHL.	None	20+	B2	113.1	6.0			



Tree Ref No.	Species	Single or Multiple Stem (S or M)	Height (m)	Stem Diameter (mm)										Very Large Girth (Y / N)	Ancient, Veteran or Notable (A, V or N)	Branch Spread				Crown Clearance (m)		Life Stage	General Observations (structural / physiological condition)	Preliminary Management Recommendations	Estimated Remaining Contribution (years)	Tree Quality Grading	Root Protection Area	
																(m)				(1) (2)							(m²)	(radius in m)
				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10			N	E	S	W	(1)	(2)							
G57	Blackthorn, Hawthorn	S	5	75										N		1.5	1.5	1.5	1.5	0-N	0	Y	Linear feature parallel to field and road.	None	10+	C2	2.5	0.9
T58	Oak	S	11	400										N		6	6	6	8	1.5-S	1.5	SM	Estimated measurements due to growing at base of steep gradient. Ivy to full height, minor deadwood in the crown with dead branch tips. tree has moderate form.	None	20+	B2	72.4	4.8
T59	Oak	S	5	170										N		3	3	2	3	0-N	0	SM	Tree has been managed inline with G57 and the height has been maintained as part of a boundary hedgerow. Ivy throughout.	None	10+	C2	13.1	2.0
T60	Oak	M(a)	15	300	320									N		6	5	5	5	3.0-S	3	EM	Tree grows on rail fence line. All measurements are estimated.	None	20+	B2	87.1	5.3
T61	Willow	M(a)	5	75	75	75								N		3	3	3	3	0-N	0	Y	Tree has poor form, estimated measurements.	None	10+	C2	7.6	1.6
T62	Sycamore	M(a)	14	80	90	100	100	110						N		3.5	3.5	3.5	3.5	3.0-W	4	SM	Ivy in northern stem to 3/4 height. Estimated measurements due to growing at bottom of bank.	None	20+	B2	21.1	2.6
T63	Oak	S	15	980										N		6.5	6.5	6.5	6.5	1.0-N	1	M	Estimated measurements due to epicormic growth. Reasonable amount of epicormic growth on throughout, crown tips have died back, tree appears to have reduced vigour.	None	40+	A2	434.5	11.8
G64	Willow, Ash,	S	6	80										N		2	2	2	2	0-N	0	EM	Hedgerow previously managed at 1.3m, with new growth creating height.	None	10+	C2	2.9	1.0
G65	Sycamore, Oak	S	15	300										N		5	5	5	5	0-N	0	SM	Surveyed from afar, all measurements are estimated. Linear feature adjacent to railway.	None	20+	B2	40.7	3.6
G66	Oak	M(a)	18	350	420									N		3.5	6.5	6.5	6.5	4.0-S	1.5	EM	Linear group of double stem oaks creating a landscape feature adjacent to the railway. Crowns have been maintained to provide clearance to the railway on the northern aspect.	None	20+	B2	135.2	6.6
T67	Hazel	S	5	75										N		2.5	2.5	2.5	2.5	0-N	0	Y	Included for completeness, however stems are below 75mm DBH. Coppice stools forming part of a linear feature.	None	10+	C2	2.5	0.9
G68	Blackthorn, Hazel, Hawthorn	S	5	75										N		1	1	1	1	0-N	0	Y	Group does not conform to the BS5837 standards but has been included for completeness.	None	10+	C2	2.5	0.9
T69	Hawthorn	M(a)	4.5	75	75									N		2.5	2.5	2.5	2.5	0-N	0	Y	Young hawthorn forms part of a linear boundary feature.	None	10+	C2	5.1	1.3
T70	Hawthorn	M(a)	6	90	90	100	75							N		3	3	3	3	0-N	0	EM	Established hawthorn forming a landscape feature and an element of the field boundary, individually the tree is of low quality, but as part of a linear boundary feature the tree has moderate quality.	None	20+	B2	14.4	2.1



Tree Ref No.	Species	Single or Multiple Stem	Height	Stem Diameter										Very Large Girth	Ancient, Veteran or Notable	Branch Spread				Crown Clearance		Life Stage	General Observations (structural / physiological condition)	Preliminary Management Recommendations	Estimated Remaining Contribution	Tree Quality Grading	Root Protection Area		
				(mm)												(m)				(m)							(years)	(m ²)	(radius in m)
				S1	S2	S3	S4	S5	S6	S7	S8	S9	S10			N	E	S	W	(1)	(2)								
		(S or M)	(m)										(Y / N)	(A, V or N)	N	E	S	W	(1)	(2)									
G71	Hawthorn	M(a)	6	90	90	100	75							N		3	3	3	3	0-N	0	EM	Established hawthorn landscape feature and field boundary. Individually the trees are of low quality, but collectively they have moderate quality.	None	20+	B2	14.4	2.1	
G72	Oak	S	18	400										N		3.5	6.5	6.5	6.5	4.0-S	1.5	EM	Linear group creating a landscape feature adjacent to the railway. Surveyed from afar, all measurements are estimated.	None	20+	B2	72.4	4.8	
T73	Field maple	M(a)	14	120	130	150	160	150						N		4.5	4.5	4.5	4.5	0.5-N	0.5	EM	Tree forms part of a boundary feature, stem compression at base to 0.75m. Overall tree has good structure and form.	None	20+	B2	46.1	3.8	
T74	Oak	S	23	800										N		9.5	9.5	11	9.5	3.0-E	1	M	Tree has good structure and form. Deadwood in crown, not uncharacteristic for age and species.	None	40+	A2	289.6	9.6	
T75	Oak	M(a)	20	600	240									N		7	7	7	7	0.5-W	3	M	Estimated measurements, tree is set back behind bundady fencing approximately 1m. Tree has moderate form and structure, northwestern aspect has been maintained to provide clearance from the railway.	None	20+	B2	188.9	7.8	
G76	Hawthorn, Elder	S	8.5	75										N		2	2	2	2	0-N	0	Y	Group in field boundary corner set behind barbed wire. Unmanaged group.	None	10+	C2	2.5	0.9	
G77	Hawthorn, Elm	S	8	75										N		2	2	2	2	0-N	0	Y	Estimated measurements, group comprises of Hawthorn and predominantly Elm is dead.	None	<10	U	2.5	0.9	
T78	Oak	S	20	1130										Y	N	11	11	11	11	4.5-W	1	M	Lowest branch 4m west hangs over easment creating a 1m height clearance. Lichens on stem, localised cavity showing exposed heartwood on northernwestern aspect at ground level to 0.5m. Previously occluded pruning wounds. Signs of decay adjacent to cavity.	None	40+	A23	577.7	13.6	
T79	Oak	S	25	980										N		11	11	11	11	5.0-N	1	M	Partially occluded wound on base of the stem on western aspect, from ground level to 0.75 leaving exposed sap wood on buttress root and lower stem. Lichens present, deadwood in crown not uncharacteristic of age and species.	None	20+	B23	434.5	11.8	
T80	Oak	S	24	1120										Y	N	11	11	11	11	4.5-W	1.5	M	Overall tree has good structure and form, deadwood in crown not uncharacteristics of age and species. 1x large diameter limb approximately 200mm diameter has reasonable bark loss.	None	40+	A23	567.6	13.4	



Tree No.	Step 2 - Additional Primary Features (y/n)				Step 3 - Secondary Features (y/n)								Step 4	
	Extensive Decay, esp. brown rot or exposed heartwood	Extensive hollowing	Crown senescence	Retrenchment	Large quantity of deadwood, esp. large-sized	Major Storm Damage/ breakout wounds	Habitat Spaces: decay holes and/ or crevices/ branch splits sheltered from direct rainfall	Aerial rooting	Sap run/ slime flux	Water Pool	Bark loss inc. due to lightning strike	Fungi	Other epiphytic plants, inc. significant presence of lichens	Status (A, V, N)
T78	n	n	n	n	n	n	y	n	n	n	n	y	y	N
T80	n	n	n	n	n	n	y	n	n	n	n	n	y	N

Appendix 7: RPA Guidance

The Root Protection Area (RPA) is calculated from the stem diameter of the tree, in accordance with the guidance contained in section 4.6 of BS 5837:2012.

These areas are normally sacrosanct, and should not be entered, by traffic or foot, during construction, or used to store materials, fuel, or chemicals.

Protective fencing should be erected along the edge of the RPA, before construction begins, and should not be moved until after all construction has finished and vacated the site. The type of fencing used should be fit for purpose, and ordinarily conform to the recommendations given in section 6.2.2 of BS 5837:2012 and be erected like the example shown in Figure 2 of the same standard.

Where underground services cannot be routed outside the RPA, these should be installed by trenchless technology, such as a directional drill. Where this technology is used the underground channel created should be no less than 600mm below normal ground level, or the base of the tree. Also, the starting and receiving excavations should not be within the RPA. Drill channel lubricant should be avoided, other than water, unless precautions are taken to prevent contamination of soil and possibly water. Hand digging may be an alternative to trenchless excavation, but this is less desirable, and not always practical.

When determining the workable space around the RPA of a tree or trees, it is also important to maintain a working zone of one metre (which is usually sufficient) between the edge of construction and the protective fencing.

Appendix 8: Ground Protection

See following page

EuroMat®

Temporary Roadway | Working Pads | Tuff & Ground Protection

Tufftrak®



EuroMat® the ultimate light / medium duty road mat



- » Market leading man-handleable temporary access and ground protection mat
- » 100% recycled High Density Polyethylene
- » Connection options for different ground conditions and equipment
- » Fast and easy to install
- » Supports loads up to 80 tonnes*
- » Unique Chevron Traction® surface
- » Reversible low profile surface (optional)
- » Low transportation and handling costs
- » Optional non-slip reflective markings
- » Use over soft or sensitive ground

www.tufftrak-safety.com



Applications

- » Construction, civil engineering and ground work
- » Temporary access and roadways
- » Pedestrian walkways
- » Emergency access routes
- » Utilities and infrastructure maintenance
- » Golf course and sports field maintenance
- » Sports and leisure events

Features

Technical Specifications

Material:	100% recycled HDPE	
Dimensions:		
Length:	2410mm	7'11"
Width:	1200mm	3'11"
Depth:	12mm	0.5"
Weight:	35kg	77lbs
Surface Area:	2.9m ²	31.2ft ²
Transportation:	650 x EuroMat per EU standard curtain sided 13.6m trailer	

Connector Options

Urethane 2 or 4 way connectors are inserted from below and attached via M10 bolts. Metal Fast -Fit connectors can be inserted from above for speed of installation

Eco-friendly

EuroMat significantly reduces damage to eco-sensitive areas, avoiding the need for reinstatement once the project is complete.

Light-weight

Weighing just 35kg (77lbs) EuroMat is ideal for both short and long term projects. Incorporating strategically positioned handholds, EuroMat is easy to off load and deploy by a two man team.



*Compression tested at National Physical Laboratory, UK

Chevron Traction® Surface

EuroMat's chevron traction surface comprises of a broken pattern of rugged nubs which substantially improves the grip and forward motion of heavy equipment or vehicles and reduces side way slippage, even in the most challenging weather or ground conditions. Optional hi-vis markings and cats eyes can be incorporated into EuroMat for additional safety at night.

TuffTrak Ground Protection Solutions

Unit 11, M11 Business Link, Parsonage Lane, Stansted Essex CM24 8GF UK

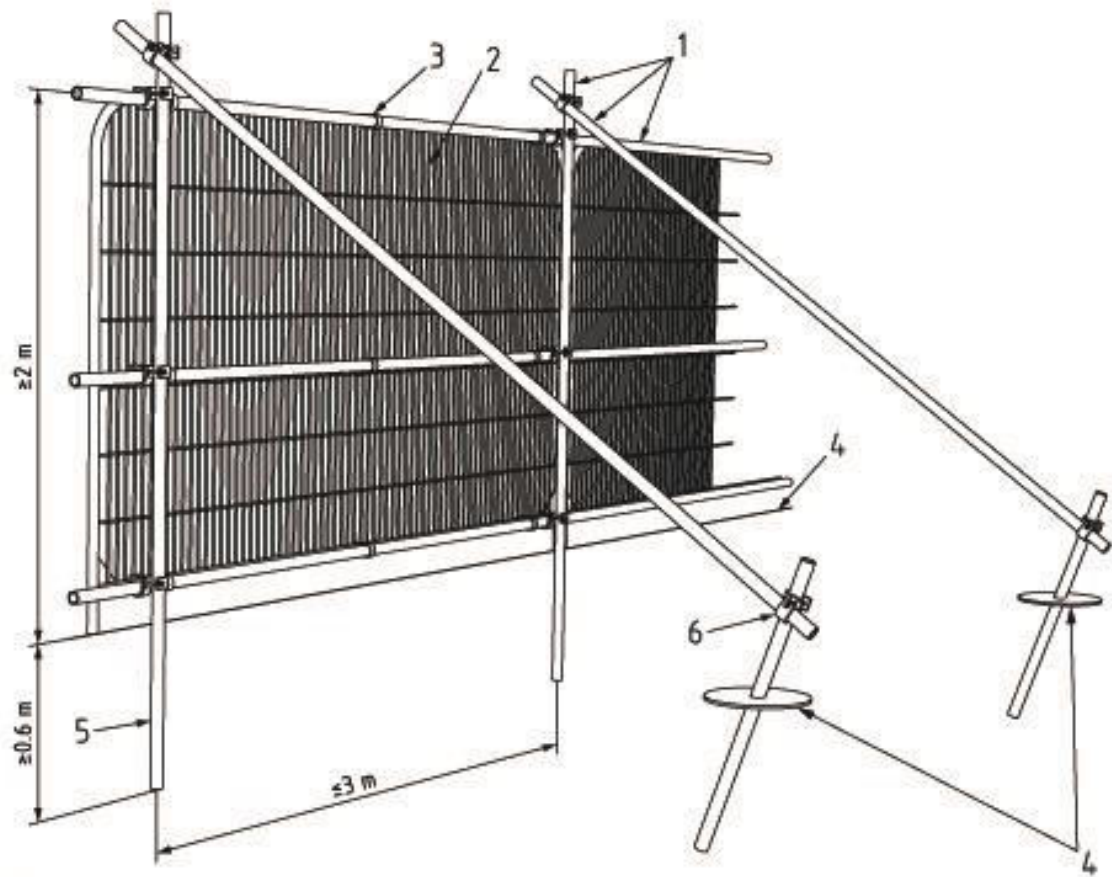
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Appendix 9: Tree Protection Barrier Examples

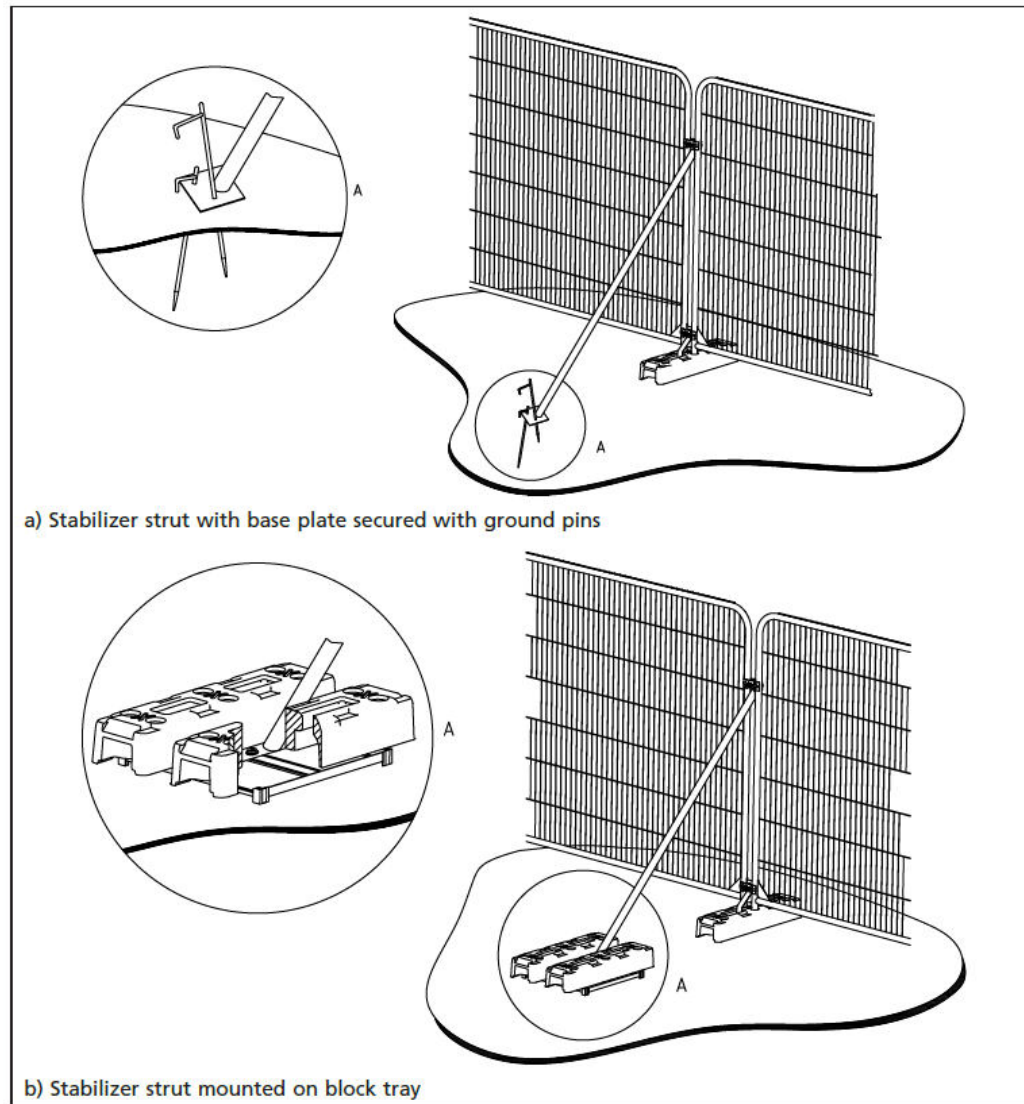
See following page.



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



Appendix 10: Alternate Tree Protection Barrier Example

Chapter 8 standard site barrier to be installed where the default barriers in **Appendix 7** cannot be installed due to the topography of the site.



Ground anchors which could be used to prevent movement of the alternative tree protection barriers as shown above.



Appendix 11: Example Tree Protection Barrier Sign



Appendix 12: Key Contacts

	Name	Main Contact and Details
Site Manager	Clancy	TBC
Project Manager	Clancy	TBC
Local Authority	Wokingham Borough Council	Development Management Wokingham Borough Council Civic Offices Shute End Wokingham RG40 1BN development.control@wokingham.gov.uk
Arboricultural Consultant	ADAS	Florence Mullins RSK ADAS Ltd 11D Park House Milton Abingdon OX14 4RS 07810317648 florence.mullins@adas.co.uk