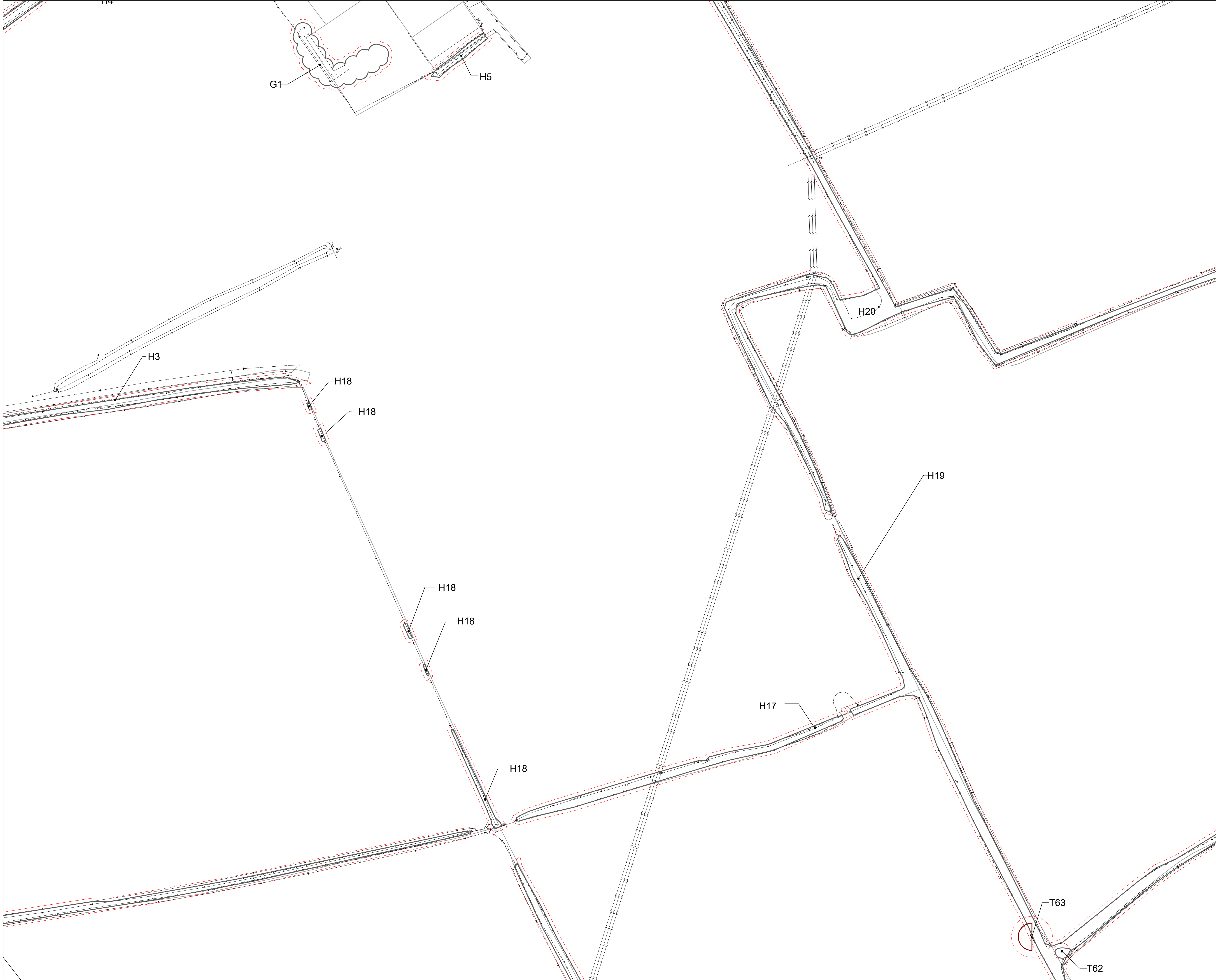
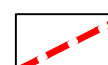




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Key



Survey boundary.



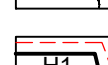
Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.



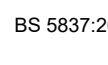
Tree (location estimated) with numbered reference. Canopy spread and BS5837:2012 tree quality category.



Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.



Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.



Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.

BS 5837:2012 Tree Quality Categories - Table 1



Category A - High quality



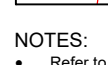
Category B - Moderate quality



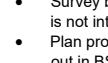
Category C - Low quality



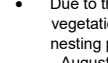
Category U - Unsuitable for retention



Scrub



Tree protected by Tree Preservation Order
No.xxx.xx xxxx. Bracketed number reference relates to the TPO Schedule.



Root protection area (RPA)
Calculated in accordance with Section 4.6 - BS5837:2012

NOTES:

- Refer to RPS Tree Survey Report & Schedule for further details.
- Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
- Plan produced in accordance with recommendations set out in BS 5837:2012 - 'Trees in Relation to design, demolition and construction'.
- Due to the legal protection afforded to breeding birds vegetation removal should not take place during the bird nesting period; generally, although not restricted to, March - August inclusive.
- Survey based upon topographic survey produced by XXX in XXXX, 201X.

A	Minor amends	JMB	CT	05/ 2019
Rev	Description	By	CB	Date



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Client **Legal & General (Strategic Land) Ltd**

Project **Model Farm, Rhoose**

Title **Tree Survey**
 6 of 9

Status

For information

Job Ref

JSL3282

RPS Drawing / Figure Number

706

Drawn By

JMB

Scale @ A1

1:500

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SK

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Key

Survey boundary.

Tree with numbered reference.
Canopy spread and BS5837:2012 tree quality category as shown below.

Tree (location estimated) with numbered reference.
Canopy spread and BS5837:2012 tree quality category.

Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.

Vegetation group with numbered reference.
Canopy extents and BS5837:2012 tree quality category as shown below.

Hedge with numbered reference.
Width and BS5837:2012 tree quality category as shown below.

BS 5837:2012 Tree Quality Categories - Table 1

Category A - High quality

Category B - Moderate quality

Category C - Low quality

Category U - Unsuitable for retention

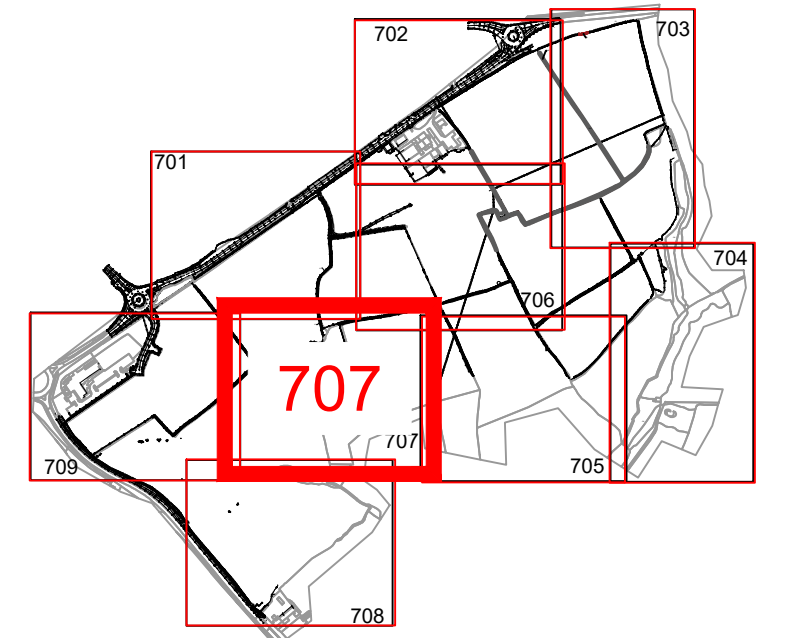
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No.xxx.xx xxxx. Bracketed number reference relates to the TPO Schedule.

Root protection area (RPA)
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Project **Model Farm, Rhoose**

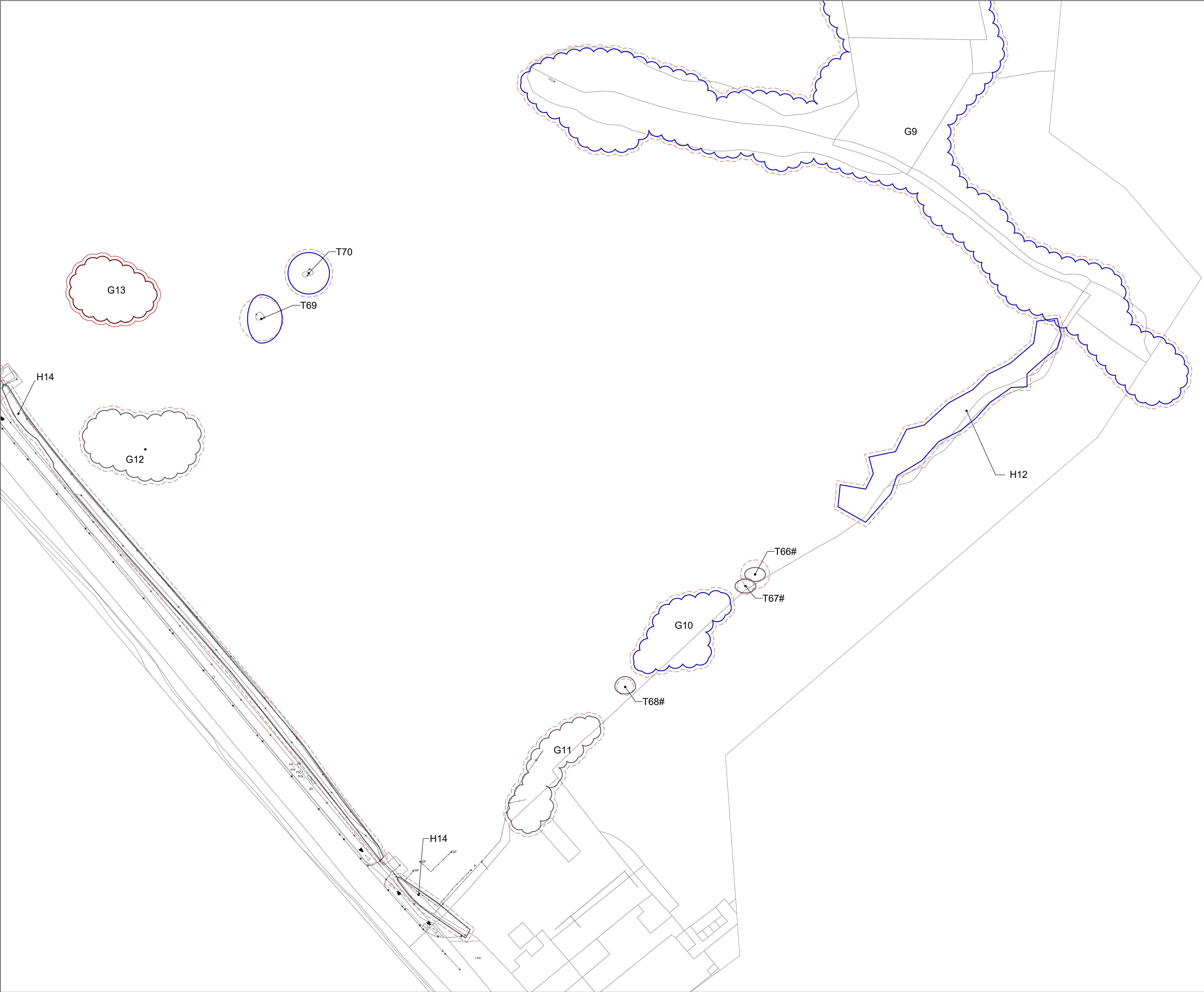
Title **Tree Survey**
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Status	Drawn By	PM/Checked by
For information	JMB	SK

Job Ref	Scale @ A1	Date Created
JSL3282	1:500	11/04/2019

RPS Drawing / Figure Number	Rev
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Key

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Scrub

Tree protected by Tree Preservation Order No.xxx.xx xxxx. Bracketed number reference relates to the TPO Schedule.

Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012

NOTES:

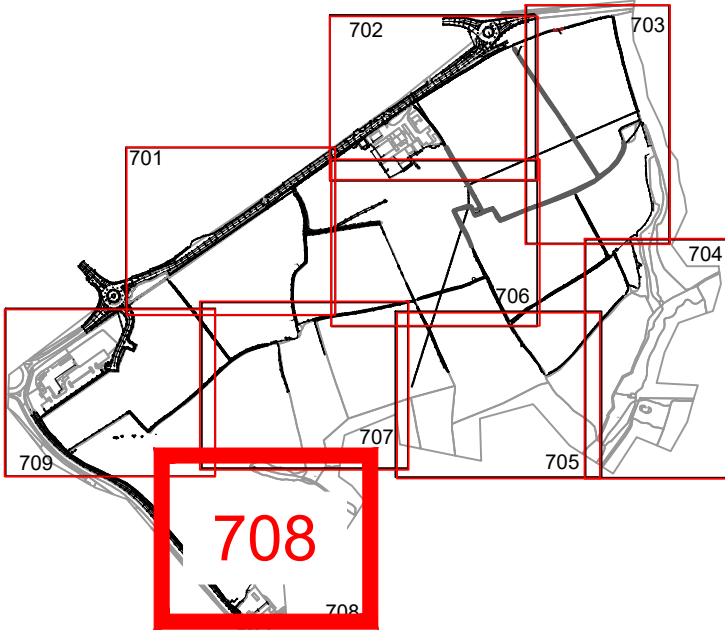
Refer to RPS Tree Survey Report & Schedule for further details.

Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.

Plan produced in accordance with recommendations set out in BS 5837:2012 - 'Trees in Relation to design, demolition and construction'.

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Survey based upon topographic survey produced by XXX in XXXX, 201X.



A	Minor amends	JMB	CT	05/ 2019
Rev	Description	By	CB	Date

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Project **Model Farm, Rhoose**

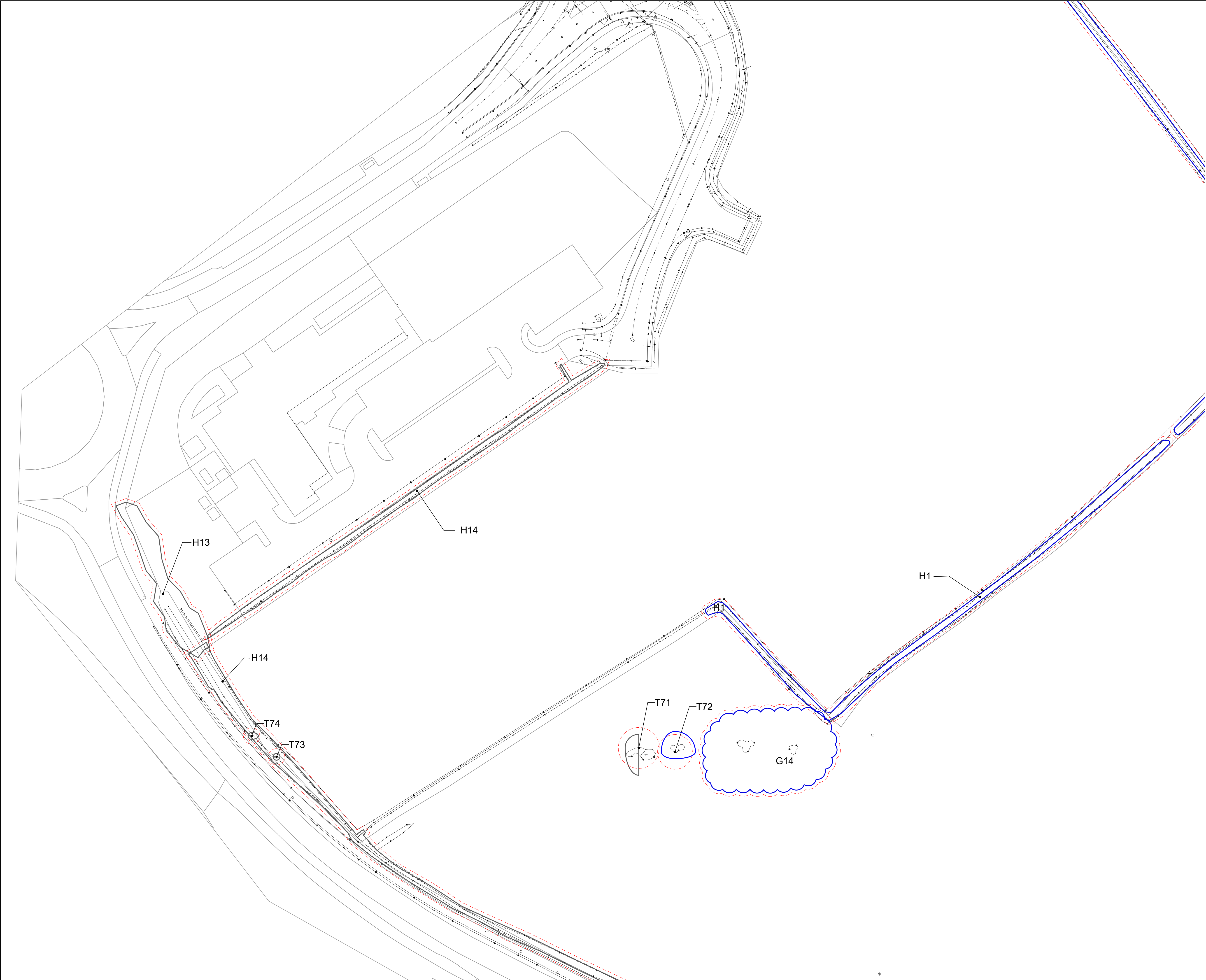
Title **Tree Survey**
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Status Drawn By PM/Checked by
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Job Ref Scale @ A1 Date Created
JSL3282 **1:500** **11/04/2019**

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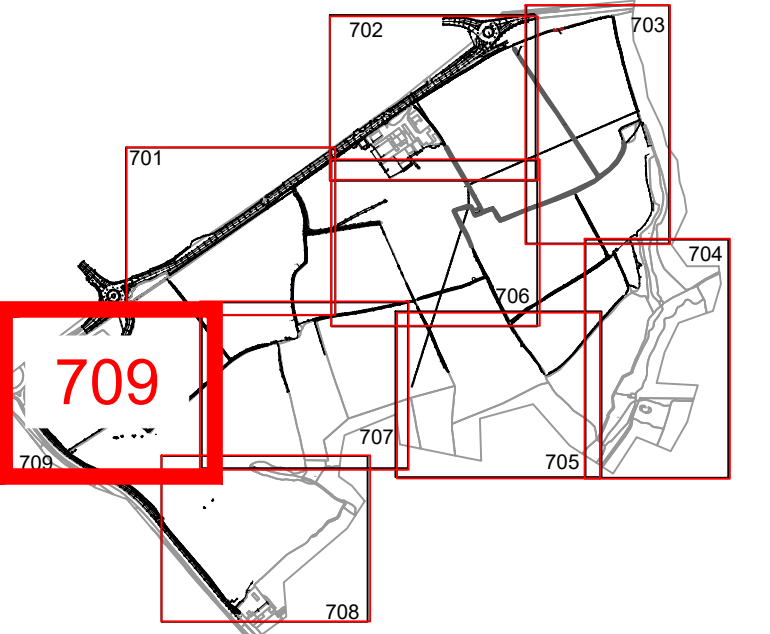


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Key

- Survey boundary.
- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Tree (location estimated) with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
- Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
- BS 5837:2012 Tree Quality Categories - Table 1
 - Category A - High quality
 - Category B - Moderate quality
 - Category C - Low quality
 - Category U - Unsuitable for retention
- Scrub
- Tree protected by Tree Preservation Order No.xxx.xx xxxx. Bracketed number reference relates to the TPO Schedule.
- Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012

NOTES:
• Refer to RPS Tree Survey Report & Schedule for further details.
• Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
• Plan produced in accordance with recommendations set out in BS 5837:2012 - 'Trees in Relation to design, demolition and construction'.
• Due to the legal protection afforded to breeding birds vegetation removal should not take place during the bird nesting period; generally, although not restricted to, March - August inclusive.
• Survey based upon topographic survey produced by XXX in XXXX, 201X.
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Client **Legal & General (Strategic Land) Ltd**

Project **Model Farm, Rhoose**

Title **Tree Survey**
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Status **For information** Drawn By **JMB** PM/Checked by **SK**

Job Ref **JSL3282** Scale @ A1 **1:500** Date Created **11/04/2019**

RPS Drawing / Figure Number **709** Rev **A**

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Appendix C

Tree Survey Schedule JSL3292_750

Tree Survey Schedule

Site: Model Farm, Rhoose, CF62 3DP
Project schedule ref: JSL3282_750
Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

Surveyor: Stefan Kowalczyk
Status: For information
Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
#T1	Salix fragilis - Crack Willow	10	4.0	5.0	5.0	4.0	400	1	2.0	West	EM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	40+	B2
#T2	Salix fragilis - Crack Willow	10	3.0	3.0	3.0	3.0	300	1	2.0	West	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	20-40	C2
#T3	Salix fragilis - Crack Willow	8	5	3	5.0	3	300, 200	2	1	North	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	40+	B2
#T4	Salix fragilis - Crack Willow	10	4	3	4	3	300	1	1	North	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	20-40	C2
#T5	Salix fragilis - Crack Willow	10	4	3.0	3.0	4	400	1	1.0	West	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	40+	B2
#T6	Salix fragilis - Crack Willow	10	4.0	3	4	1	200	1	4	North	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	10-20	C2
#T7	Salix fragilis - Crack Willow	10	4.0	4	4.0	3	300	1	2	West	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	40+	B2
#T8	Salix fragilis - Crack Willow	10	3	3	3	3	200	1	1	West	SM	Good	Fair	Located off site. Forming important boundary screening between the main road and site.	20-40	C2
#T9	Salix fragilis - Crack Willow	8	3.0	4	5	4	200, 100	2	1	West	SM	Good	Fair	Located off site. Forming important boundary screening between the main road and site.	20-40	C2
#T10	Salix fragilis - Crack Willow	8	2	2	2	3	200, 100	2	11	West	SM	Good	Fair	Located off site. Forming important boundary screening between the main road and site.	20-40	C2
#T11	Salix fragilis - Crack Willow	8	4	4	4	3.0	300	1	2	North	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	20-40	B2
#T12	Salix fragilis - Crack Willow	8	3	3	3	3.0	200	1	3	North	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	20-40	B2

Note: This survey is based on a brief visual inspection from the ground.
It is not intended as a full arboricultural inspection.
- Indicates estimated tree. * - Indicates off site tree.

Tree Survey Schedule

Site Model Farm, Rhoose, CF62 3DP
Project schedule ref: JSL3282_750
Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

Surveyor: Stefan Kowalczyk
Status: For information
Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
#T13	Salix fragilis - Crack Willow	8	4	4	5	4	300	1	1	West	SM	Good	Good	Located off site. Forming important boundary screening between the main road and site.	20-40	B2
#T14	Fraxinus excelsior - Common Ash	8	3	3	3	3	200, 200	2	2	West	SM	Good	Good	Located off site, on main road side, assessment made only from within site.	20-40	B2
#T15	Sorbus aria - Whitebeam	8	3	3.0	4	3	300	1	3.0	East	EM	Good	Fair	Deadwood in the crown of major extent. Previous branch failures noted. Located off site.	20-40	C2
#T16	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1	1	1	300	1	4	East	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T17	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	0.0	East	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T18	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	0.0	East	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T19	Populus nigra 'Italica' - Lombardy Poplar	12	1.0	1.0	1.0	1.0	200	1	0.0	East	EM	Poor	Poor	Located off site. Branch dieback of moderate extent. General poor form to tree. Recommend tree is removed and replaced with another Lombardy Poplar.	<10	C2
#T20	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	2.0	East	EM	Good	Good	Located off site. Recommend tree is removed and replaced with another Lombardy Poplar.	20-40	B2
#T21	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	200	1	4.0	West	EM	Fair	Fair	Located off site. Recommend ivy is severed.	10-20	C2
#T22	Salix caprea - Goat Willow	8	2.0	2.0	2	2	200, 200, 200, 200	4	2.0	West	SM	Fair	Fair	Located off site. Uremerkeable tree.	10-20	C2
#T23	Populus nigra 'Italica' - Lombardy Poplar	10	1	1	1	1	200	1	3	West	SM	Fair	Fair	Located off site. Low vigour, reduced long term benefit.	10-20	C2

Note: This survey is based on a brief visual inspection from the ground.
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- Indicates estimated tree. * - Indicates off site tree.

Tree Survey Schedule

Site Model Farm, Rhoose, CF62 3DP
Project schedule ref: JSL3282_750
Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

Surveyor: Stefan Kowalczyk
Status: For information
Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
#T24	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	200	1	5	West	EM	Good	Fair	Located off site. Good future landscape amenity.	20-40	B2
#T25	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	6	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T26	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	2	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T27	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	6	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T28	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	6.0	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T29	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	4.0	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T30	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	4.0	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B2
#T31	Populus nigra 'Italica' - Lombardy Poplar	10	1.0	1.0	1.0	1.0	200	1	6	West	EM	Fair	Fair	Located off site. Tree has limited long term potential.	20-40	C1
#T32	Populus sp. - Poplar sp.	15	5	5	8	5	500	1	2.0	East	EM	Good	Fair	Located off site. Bifurcated stem formed at 5.0 metres.	40+	B1
#T33	Crataegus monogyna - Common Hawthorn	2	3	0	2	0	200	1	0.0	East	SM	Fair	Good	Located off site, grown out of hedgrow.	10-20	C1
#T34	Populus x canadensis - Hybrid Black Poplar.	15	5	5	7	5	400	1	3	West	EM	Good	Good	Located off site. Good future landscape amenity.	20-40	B1
#T35	Populus nigra 'Italica' - Lombardy Poplar	10	1	1	1	1	200	1	5	East	EM	Poor	Poor	Located off site. Low vigour, reduced long term benefit.	<10	C2

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Tree Survey Schedule

Site Model Farm, Rhoose, CF62 3DP
Project schedule ref: JSL3282_750
Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

Surveyor: Stefan Kowalczyk
Status: For information
Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
#T36	Populus nigra 'Italica' - Lombardy Poplar	15	1.0	1.0	1.0	1.0	300	1	5	East	EM	Fair	Fair	Located off site. Good future landscape amenity.	20-40	B2
#T37	Populus nigra 'Italica' - Lombardy Poplar	10	1.0	1.0	1.0	1.0	200	1	5	East	EM	Poor	Poor	Located off site. Low vigour, reduced long term benefit.	10-20	C2
#T38	Populus nigra 'Italica' - Lombardy Poplar	10	1.0	1.0	1.0	1.0	300	1	6	East	EM	Fair	Fair	Located off site. Good future landscape amenity.	20-40	C2
#T39	Populus nigra 'Italica' - Lombardy Poplar	10	1.0	1.0	1.0	1.0	200	1	6	East	EM	Poor	Poor	Located off site. Low vigour, reduced long term benefit.	<10	C2
#T40	Salix caprea - Goat Willow	8	3	1	4	3.0	200, 300, 200	3	2	East	EM	Poor	Poor	Located off site. Scrubby tree covered in bramble	<10	C2
#T41	Populus nigra 'Italica' - Lombardy Poplar	15	1	1.0	1	1	200	1	6	East	EM	Fair	Fair	Located off site. Good future landscape amenity.	10-20	C2
#T42	Populus nigra 'Italica' - Lombardy Poplar	10	1.0	1.0	1.0	1.0	200	1	0.0	East	EM	Poor	Poor	Located off site. Low vigour, reduced long term benefit.	<10	C2
#T43	Populus nigra 'Italica' - Lombardy Poplar	10	1.0	1.0	1.0	1.0	200	1	0.0	East	EM	Poor	Poor	Located off site. Low vigour, reduced long term benefit.	<10	C2
#T44	Fraxinus excelsior - Common Ash	7	4.0	2.0	3.0	3.0	200, 200	2	2.0	North	SM	Fair	Good	Not plotted on land survey plan. Unremarkable Ash tree grown from scrub.	20-40	C2
T45	Sambucus nigra - Elder	5	3	3	3.0	3.0	300	1	2	West	SM	Fair	Fair	Not plotted on land survey plan. Unremarkable Elder tree grown from scrub.	20-40	C2
T46	Sambucus nigra - Elder	5	2	2	1	2	200	1	2	West	SM	Fair	Fair	Unremarkable Elder tree grown from scrub.	20-40	C2
#T47	Crataegus monogyna - Common Hawthorn	8	2.0	2.0	1.0	2.0	200	1	2.0	West	SM	Fair	Fair	Not plotted on land survey plan. Unremarkable tree.	20-40	C2

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Tree Survey Schedule

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Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

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Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
#T48	Quercus robur fastiagata - Common Oak (upright)	5	1.0	1.0	1.0	1.0	200	1	1.0	West	Y	Fair	Fair	Located off site. Recently planted tree, has not established well.	20-40	C1
#T49	Quercus robur fastiagata - Common Oak (upright)	5	1.0	1.0	1.0	1.0	200	1	0.0	West	Y	Dead	Dead	Located off site. Recently planted tree, Ivy clad, moribund.	<10	U
#T50	Quercus robur fastiagata - Common Oak (upright)	6	1.0	1.0	1.0	1.0	200	1	0.0	West	Y	Good	Good	Located off site. Recently planted tree, good establishment.	40+	C1
#T51	Quercus robur fastiagata - Common Oak (upright)	6	1.0	1.0	1.0	1.0	200	1	1	West	Y	Good	Good	Located off site. Recently planted tree, good establishment.	40+	C1
#T52	Quercus robur fastiagata - Common Oak (upright)	6	1.0	1.0	1.0	1.0	200	1	1	West	Y	Good	Good	Located off site. Recently planted tree, good establishment.	40+	C1
#T53	Quercus robur fastiagata - Common Oak (upright)	6	1.0	1.0	1.0	1.0	200	1	0.0	West	Y	Good	Good	Located off site. Recently planted tree, good establishment.	40+	C1
T54	Fraxinus excelsior - Common Ash	15	8	3	8.0	8	600	1	3.0	West	M	Good	Good	Large ash immediately adjacent other ash tree, ivy clad, good specimen. Asymmetric, heavily suppressed crown. Restricted inspection due to access. Recommend ivy is severed.	40+	A1
T55	Fraxinus excelsior - Common Ash	15	3	6	6	6	600	1	3	South	M	Good	Good	Asymmetric formed crown. Heavily suppressed crown. Restricted inspection due to access. Large ash immediately adjacent other ash tree, ivy clad, good specimen.	40+	A1
T56	Fraxinus excelsior - Common Ash	8	3.0	3	3	3	200, 200, 200	3	2	West	SM	Good	Good	Multi stemmed young ash grown out from scrub.	40+	C2
T57	Fraxinus excelsior - Common Ash	10	7	5	6	7	50	1	2	West	M	Good	Good	Restricted inspection due to ivy. Good specimen Ash on edge of woodland.	40+	B1
T58	Quercus robur - Pedunculate Oak	10	3	6	5	7.0	50	1	3	West	M	Good	Good	Asymmetric formed crown. Good specimen Oak immediately adjacent ash on edge of group woodland.	40+	B1

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Tree Survey Schedule

Site Model Farm, Rhoose, CF62 3DP
Project schedule ref: JSL3282_750
Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

Surveyor: Stefan Kowalczyk
Status: For information
Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
T59	Fraxinus excelsior - Common Ash	6	4	4	2	4	40	1	4.0	South	EM	Poor	Poor	Poor specimin ash tree grown out from hedge. Ivy and bramble clad.	10-20	C3
T60*	Fraxinus excelsior - Common Ash	15	9.0	9	9	9	1100	1	2	South	OM	Good	Good	Good specimon ash tree grown with open crown. Fungal Fruiting bodies noted on stem on sounth side at 2m, likely to be Inonotus hispidus. Bifurcated stem formed at 3.0 metres, cavaties from old wounds throughput stem. Not plotted on land survey plan.	40+	B1
T61*	Quercus robur - Pedunculate Oak	15	4.0	8.0	8	7.0	700	1	4	South	M	Good	Good	Bifurcated stem at 4 metres. Good specimon Oak tree grown with open crown in field. Not plotted on original topo.	40+	B1
T62	Crataegus monogyna - Common Hawthorn	5	1	2.0	3	2	200	1	3.0	South	M	Fair	Fair	Hawthorn grown out of hedge, Ivy clad.	10-20	C2
T63	Crataegus monogyna - Common Hawthorn	15	4	4	0	4.0	500	1	8	South	OM	Poor	Poor	The tree has a moderate basal cavity. Asymmetric formed crown. Poor quality Ash growing from hedgrow.	<10	U
T64	Quercus robur - Pedunculate Oak	15	6.0	6.0	8.0	5.0	1000	1	2.0	West	M	Good	Fair	The tree has a moderate basal cavity. Previous branch failures noted. Not plotted on land survey plan. Good quality field grown oak tree, previouds branch failiure on north side.	40+	B1
T65	Fraxinus excelsior - Common Ash	15	0	5	8	0.0	500	1	8	East	OM	Poor	Poor	Asymmetric formed crown. Restricted inspection due to access and ivy. Not plotted on land survey plan. Tree has no long term potential. Recommend tree is removed due to heavy lean over field and it being mostly dead.	<10	U
T66*	Crataegus monogyna - Common Hawthorn	6	2.0	2	3	3	200, 200, 200	3	1.5	East	M	Poor	Poor	Not plotted on land survey plan. Outgrown hawthorn from hedge	20-40	C2
T67*	Crataegus monogyna - Common Hawthorn	6	2.0	2.0	3.0	3.0	200	1	2	East	M	Poor	Good	Not plotted on land survey plan. Outgrown hawthorn from hedge	20-40	C2

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Tree Survey Schedule

Site Model Farm, Rhoose, CF62 3DP
Project schedule ref: JSL3282_750
Drawing reference: JSL3282_701 - 709
Survey date: 03.04.19

Surveyor: Stefan Kowalczyk
Status: For information
Revision: .
Notes:



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
T68	Fraxinus excelsior - Common Ash	7	3	2.0	3.0	3.0	200	1	2.0	East	SM	Good	Good	Outgrown ash from hedge. Not plotted on land survey plan. Recommend Ivy is severed.	40+	C2
T69	Fraxinus excelsior - Common Ash	10	7	7	6	4	300, 300, 300	3	3	North	M	Good	Good	Moderate stem cavity. Multi stemmed at 0.5 metres. Field grwn ash, good specimen.	40+	B2
T70	Fraxinus excelsior - Common Ash	10	6	6	6	6	400, 400	2	2	North	SM	Good	Good	Bifurcated stem formed at 0.5 metres. Crown cavity at 4.0 metres. Field grown twin stem ash, good specimen.	40+	B2
T71	Fraxinus excelsior - Common Ash	13	4	8.0	0	4.0	500	1	2	North	OM	Poor	Poor	Stem wounds are present. Asymmetric formed crown. Tree has no long term potential. Tree likely to have come from a historic hedgerow, bacterial canker of Ash, ivy clad.	<10	C3
T72	Fraxinus excelsior - Common Ash	12	6	2.0	6	4	300, 300	2	2	North	M	Fair	Fair	Asymmetric formed crown. Previous branch failures noted. Likely to be a historic coppice Ash grown out from old hedgerow.	10-20	B3
T73	Ulmus sp. - Elm	5	1	1	1	1	200	1	4	East	Y	Poor	Fair	Windswept elm grown out from hedge. Asymmetric formed crown. Tree has no long term potential.	<10	C3
T74	Fraxinus excelsior - Common Ash	5	1.0	1.0	2	1.0	200	1	1	East	Y	Poor	Fair	Windswept Ash grown out from hedge. Asymmetric formed crown. Tree has no long term potential.	10-20	C1
W5*	Quercus robur - Pedunculate Oak Prunus avium - Wild Cherry Crataegus monogyna - Common Hawthorn Fraxinus excelsior - Common Ash Acer pseudoplatanus - Sycamore	15.0	as shown.				100-1000	-	-	-	Y-OM	Good	Good	Group of large mature trees and small lowland woodland trees. Not plotted on topo.	40+	B2

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			N	E	S	W										
W6*	Quercus robur - Pedunculate Oak Fraxinus excelsior - Common Ash Prunus avium - Wild Cherry Crataegus sp. - Scarlet Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	15.0	as shown.				100-1000	-	-	-	Y-V	Good	Good	Predominantly Oak and Ash woodland with good diversification of understory growth and good ground flora. Some bramble in patches. Not plotted on topo	40+	A2
W8*	Fraxinus excelsior - Common Ash Acer platanoides - Norway Maple Crataegus monogyna - Common Hawthorn Ulmus sp. - Elm	15.0	as shown.				100-1000	-	-	-	Y-M	Good	Good	Predominatly ash woodland with dence understory, Ivy throughout. Not plotted on topo	40+	B2
W9*	Fraxinus excelsior - Common Ash Quercus robur - Pedunculate Oak Crataegus monogyna - Common Hawthorn Alnus glutinosa - Common Alder Salix caprea - Goat Willow	20.0	as shown.				10-1000	-	-	-	Y-V	Good	Good	Predominatly Ash woodland heavily Ivy clad with some Oak Alder and Willow toward the south with better ground flora. Not plotted on topo.	40+	B2
G1	Cupressus macrocarpa - Monterey Cypress	8.0	as shown.				100-200	-	-	-	SM-SM	Fair	Fair	Small group of approx 40 stems, likely planted as a hedge historically, good screening purpose.	10-20	C2
G2*	Crataegus monogyna - Common Hawthorn Quercus robur - Pedunculate Oak Fraxinus excelsior - Common Ash Salix caprea - Goat Willow Acer pseudoplatanus - Sycamore Prunus avium - Wild Cherry	10.0	as shown.				100-500	-	-	-	Y-EM	Good	Good	Of site boundary group of trees and shrubs, bramble throughout	40+	B2

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Tree Survey Schedule

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Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
G3	Corylus avellana - Common Hazel Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Fraxinus excelsior - Common Ash	8.0	as shown.				100-600	-	-	-	Y-M	Good	Good	Corner group with two large Ash trees (T52 & T53), both have been have been plotted as individual trees in their own right.	40+	C2
G4*	Crataegus monogyna - Common Hawthorn	6.0	as shown.				100-200	-	-	-	SM-M	Good	Good	Small group of hawthorn with large, hung up, dead stem within group. Not plotted on topo	40+	C2
G7*	Crataegus monogyna - Common Hawthorn	6.0	as shown.				100-200	-	-	-	Y-M	Fair	Fair	Small group of 7 hawthorn stems, Ivy clad throughout. Not plotted on topo.	20-40	C2
G10	Crataegus monogyna - Common Hawthorn Fraxinus excelsior - Common Ash Prunus spinosa - Blackthorn	10.0	as shown.				10-500	-	-	-	Y-M	Good	Good	Small group of mostly understory with two large Ash trees grown out.	40+	B2
G11	Fraxinus excelsior - Common Ash Sambucus nigra - Elder	15.0	as shown.				100-400	-	-	-	Y-M	Good	Good	Small group of mainly Ash with Elder as understory, Ivy throughout	40+	C2
G12	Populus sp. - Poplar	15.0	as shown.				400-500	-	-	-	M-M	Fair	Fair	Group of 3 poplars. Windswept leading to asymmetrical canopy towards the east. Aparse canopy.	10-20	C2
G13	Fraxinus excelsior - Common Ash	15.0	as shown.				300-400	-	-	-	OM-OM	Poor	Poor	Group of 3 multi stemmed Ash, mostly dead.	<10	U

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Tree Survey Schedule

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Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (mm)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
G14	Fraxinus excelsior - Common Ash	15.0	as shown.				300-500	-	-	-	-	Good	Good	Group of 9 Ash stems, historic boundary marker, mostly likely old coppice Ash, stem damage through, evidence of old Innonotus Hispidus fungal brackets on the ground. Mainly conservation value.	20-40	B3
H1	Crataegus monogyna - Common Hawthorn Hedra helix - Common Ivy	1.5	as shown.				10-100	-	-	-	Y-M	Good	Good	Gappy field boundry hedgerow	40+	B3
H2	Crataegus monogyna - Common Hawthorn Sambucus nigra - Elder Euonymus europaeus - Spindle	1.5	as shown.				10-100	-	-	-	Y-M	Fair	Fair	Field boundry hedge.	40+	C2
H3	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn	1.5	as shown.				10-100	-	-	-	Y-M	Good	Good	Field boundry hedge.	40+	C2
H4	Crataegus monogyna - Common Hawthorn	1.5	as shown.				10-100	-	-	-	Y-M	Good	Good	Field boundry hedge.	40+	C2
H5	Cupressus macrocarpa - Monterey Cypress	3.0	as shown.				100-200	-	-	-	SM-SM	Fair	Fair	Unremarkable evergreen boundry hedge	10-20	C2
H6	Sambucus nigra - Elder Crataegus monogyna - Common Hawthorn Fraxinus excelsior -	1.5	as shown.				10-100	-	-	-	Y-M	Good	Good	Field boundry hedge.	40+	C2
H7	Euonymus europeaus - Spindle Crataegus monogyna - Common Hawthorn	1.5	as shown.				10-100	-	-	-	Y-M	Good	Good	Field boundry hedge.	40+	C2

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			N	E	S	W										
H8	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn	1.0	as shown.				10-100	-	-	-	Y-M	Good	Good	Field boundry hedge.	40+	C2
H9	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn	1.0	as shown.				10-100	-	-	-	Y-M	Good	Good	Field boundry hedge.	40+	C2
H10	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Sambucus nigra - Elder	1.5	as shown.				10-200	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C2
H11	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn	1.5	as shown.				10-200	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C2
H12	Crataegus monogyna - Common Hawthorn Fraxinus excelsior - Common Ash Sambucus nigra - Elder Corylus avellana - Common Hazel	5.0	as shown.				10-300	-	-	-	Y-M	Good	Fair	Gappy outgrown hedgerow, Ivy throughout	40+	B2
H13	Fraxinus excelsior - Common Ash Sambucus nigra - Elder Ulmus sp. - Elm	5.0	as shown.				50-200	-	-	-	Y-SM	Fair	Fair	Unmanaged mixed species hedgerow.	20-40	C2
H14	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-50	-	-	-	Y-Y	Good	Good	Recently planted mixedspecies hedging, young trees planted within.	40+	C2

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Tree Survey Schedule

Site: Model Farm, Rhoose, CF62 3DP
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			N	E	S	W										
H15	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-51	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C3
H16	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-52	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C4
H17	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-53	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C5
H18	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-54	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C6
H19	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-55	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C7
H20	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-56	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C8
H21	Crataegus monogyna - Common Hawthorn Prunus spinosa - Blackthorn Corylus avellana - Common Hazel	1.5	as shown.				10-57	-	-	-	Y-M	Good	Good	Good quality field boundary hedgerow.	40+	C9

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			N	E	S	W										
S1	Prunus spinosa - Blackthorn Cotoneaster sp. Amelanchier lamarckii - Snowy mespilus	5.0	as shown.				400-450	-	-	-	EM-M	Poor	Good	Fallen stems within group, growing within shallow ditch, forms an important screen from the highway and good ground cover beneath trees T1 - T12	10-20	C2
S2	Sambucus nigra - Elder Malus sp - Apple Sorbus aria - Whitebeam Corylus avellana - Common Hazel	5.0	as shown.				300-350	-	-	-	SM-SM	Fair	Good	Patch of small trees/scrub covered in ivy	20-40	C2
S3	Japanese knotweed - Reynoutria japonica	0.5	as shown.				150-200	-	-	-	Y	Y	Good	Patch of Japanese knotweed.	20-40	U
S4	Fraxinus excelsior - Common Ash Bramble	5.0	as shown.				250-350	-	-	-	SM-M	Fair	Good	Small patch of scrubby bramble with ash tree growing out	20-40	C3

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Appendix D

Tree Protection Plans JSL3292_720-728



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Notes
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Key

- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Tree (location estimated) with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
- Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.

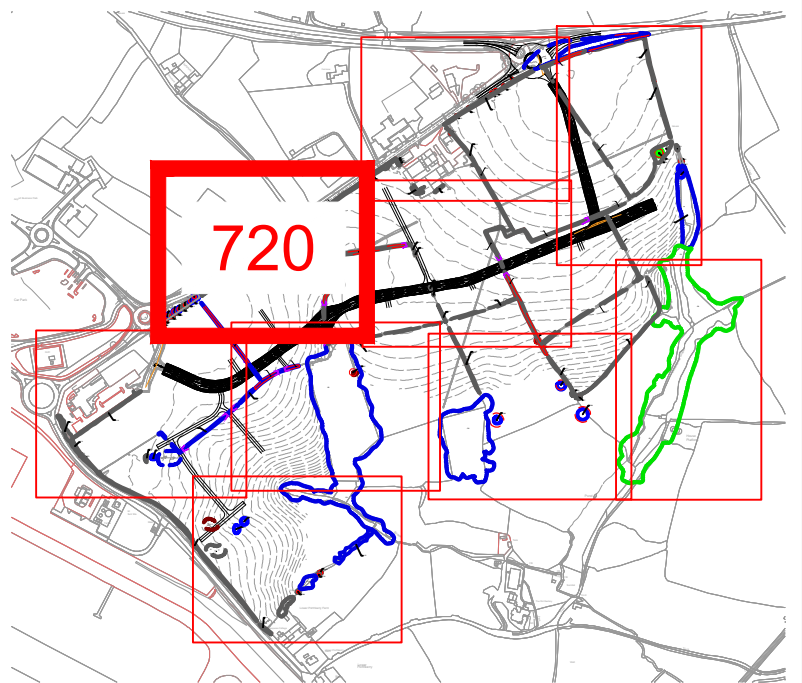
BS 5837:2012 Tree Quality Categories - Table 1

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

- Tree outside of survey area (Shown for context only)
- Scrub
- Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012
- Tree to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Vegetation group or hedge to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Temporary protective fencing in accordance with Section 6.2 - BS5837:2012. See inset details for example barriers.

NOTES:

- Refer to RPS Tree Survey Report & Schedule for further details.
- Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
- Plan produced in accordance with recommendations set out in BS 5837:2012 - 'Trees in Relation to design, demolition and construction'.
- Due to the legal protection afforded to breeding birds vegetation removal should not take place during the bird nesting period; generally, although not restricted to, March - August inclusive.
- Drawing based on topographical survey undertaken by RPS drawing number JWP9689-03-06.
- Pedestrian/vehicular emergency access routes to be maintained at all times.
- All protective fencing to be completed and approved by LPA / CA prior to commencement of any site works.
- All works to conform with requirements of:
BS 3696:2010 - Tree Works
BS 5837:2012 - Trees in relation to design, demolition and construction.



Rev	Description	By	CB	Date

MAKING COMPLEX EASY

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Client **Legal & General (Strategic Land) Ltd**

Project **Model Farm, Rhoose**

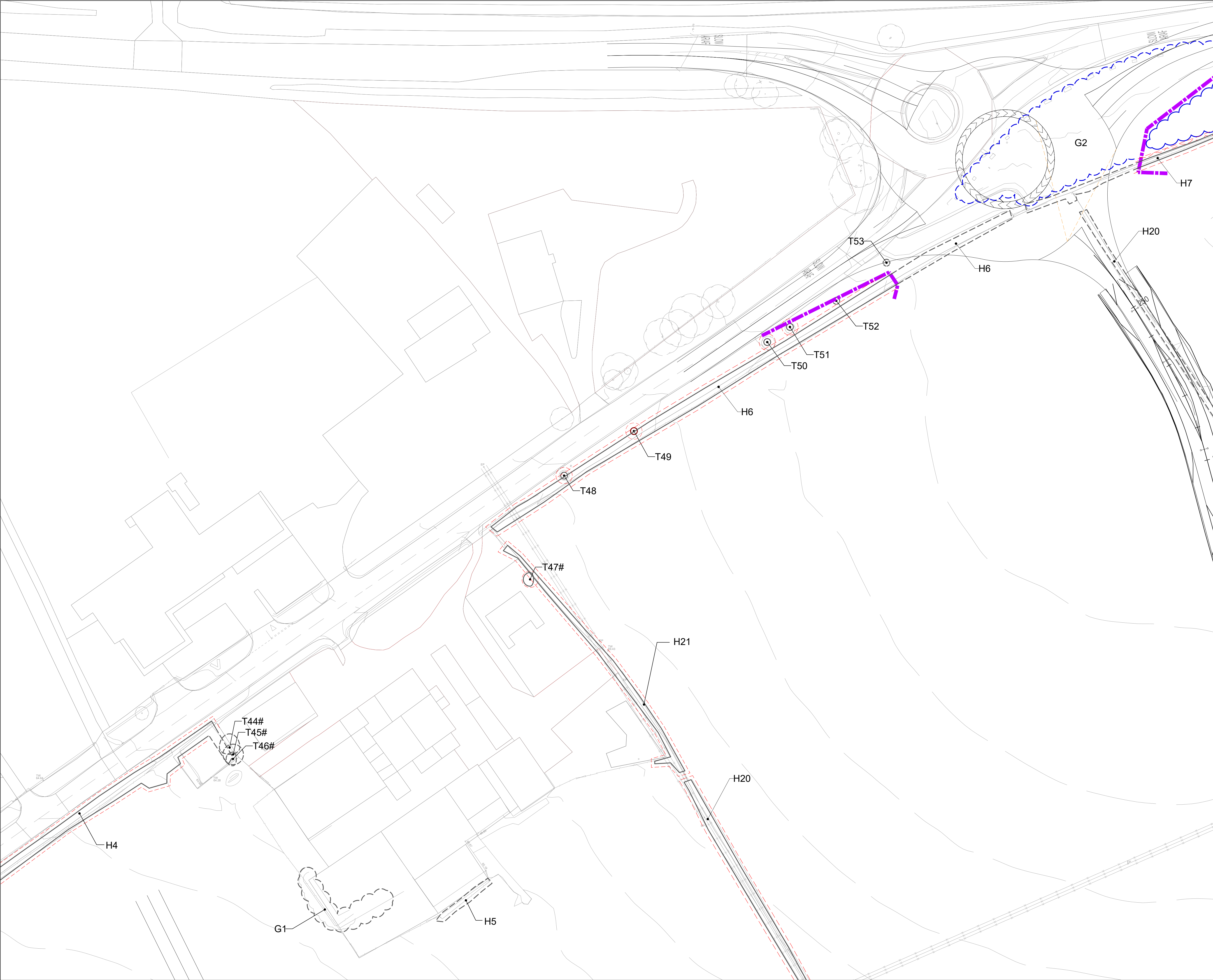
Title **Tree Protection Plan**

Status	Drawn By	PM/Checked by
For information	JMB	CT

Job Ref	Scale @ A1	Date Created
JSL3282	1:500	10/06/2019

RPS Drawing / Figure Number	Rev
720	-

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Key

- T# Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- T## Tree (location estimated) with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- T#* Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- G# Vegetation group with numbered reference. Canopy extent and BS5837:2012 tree quality category as shown below.
- H# Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.

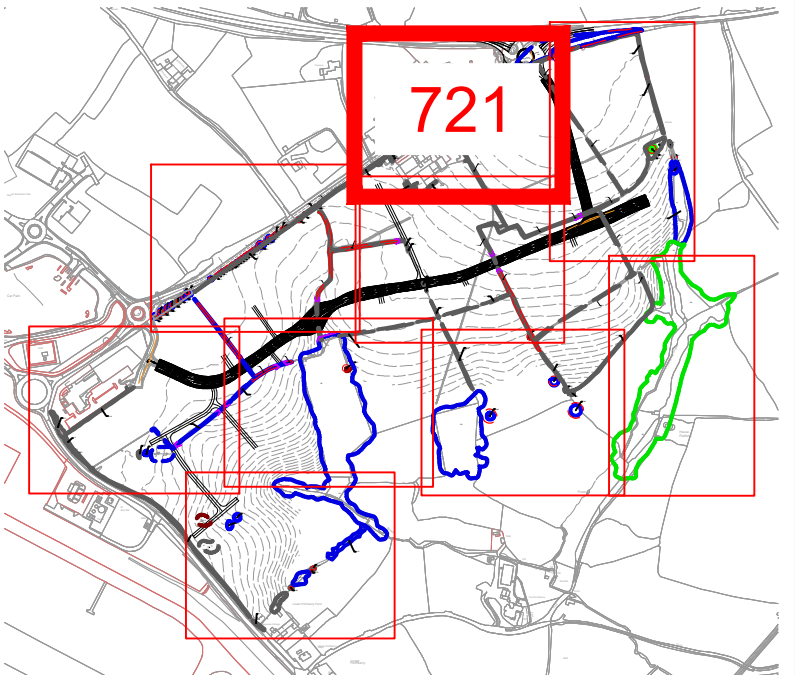
BS 5837:2012 Tree Quality Categories - Table 1

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

- Tree outside of survey area (Shown for context only)
- Scrub
- Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012
- Tree to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Vegetation group or hedge to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- Temporary protective fencing in accordance with Section 6.2 - BS5837:2012. See inset details for example barriers.

NOTES:

- Refer to RPS Tree Survey Report & Schedule for further details.
- Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
- Plan produced in accordance with recommendations set out in BS 5837:2012 - 'Trees in Relation to design, demolition and construction'.
- Due to the legal protection afforded to breeding birds vegetation removal should not take place during the bird nesting period, generally, although not restricted to, March - August inclusive.
- Drawing based on topographical survey undertaken by RPS drawing number J06089-03-06.
- Pedestrian/vehicular emergency access routes to be maintained at all times.
- All protection fencing to be completed and approved by LPA / PCA prior to commencement of any site works.
- All works to conform with requirements of:
BS 3968:2010 - Tree Works
BS 5837:2012 - Trees in relation to design, demolition and construction.



Rev	Description	By	CB	Date



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Client **Legal & General (Strategic Land) Ltd**

Project **Model Farm, Rhoose**

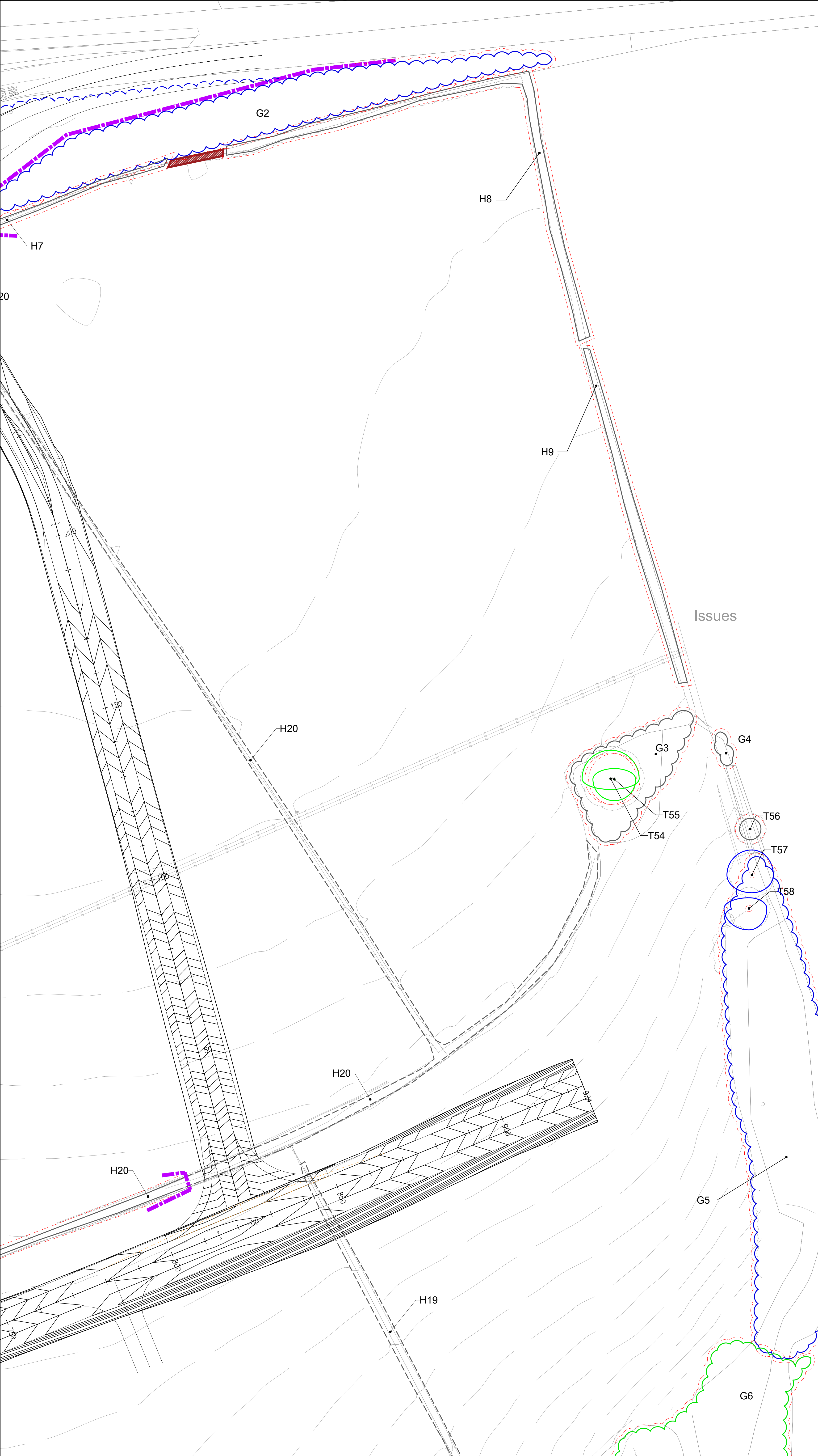
Title **Tree Protection Plan
2 of 9**

Status	Drawn By	PM/Checked by
For information	JMB	CT

Job Ref	Scale @ A1	Date Created
JSL3282	1:500	10/06/2019

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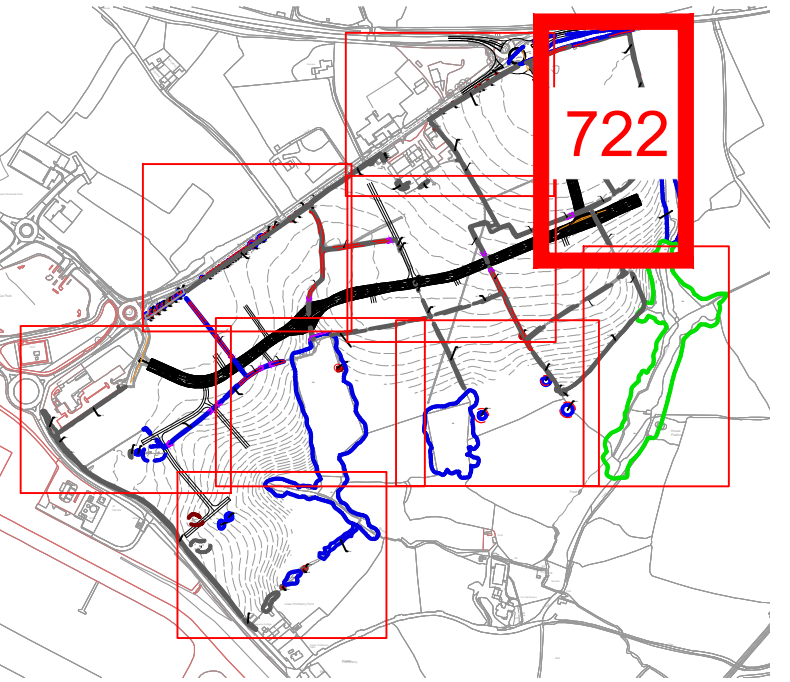
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- All works to conform with requirements of:
BS 3608:2015 - Tree Works
BS 5837:2012 - Trees in relation to design, demolition and construction.



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Title **Tree Protection Plan
3 of 9**

Status	Drawn By	PM/Checked by
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Job Ref	Scale @ A1	Date Created
JSL3282	1:500	10/06/2019

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