Technical Note

CLIENT:	Strata Sterling Barnsley West Ltd
PROJECT:	Barnsley West
SUBJECT:	Clarification Note in Response to Consultation Comments Made by Barnsley Metropolitan Borough Council's Forestry Officer
JOB NO.:	LD10848
DATE:	30th May 2024 Revised 18th June 2024
PREPARED BY:	Alan Reid – Principal Arboriculturist Revision prepared by Kelly Stewart – Senior Arboriculturist
REVIEWED & APPROVED BY:	Moray Simpson – Technical Director (Arboriculture)

1 INTRODUCTION

1.1 Scope

1.1.1 Wardell Armstrong (WA) was commissioned by Strata Sterling Barnsley West Ltd to provide clarification comments in response to comments made by Barnsley Council's Forestry Officer in December 2023. Note, this note does not provide clarification on ancient woodland matters, this has been addressed in a separate note, also produced by WA.

1.1.2 Further to the issue of this Clarification Note, further comments were received from the Council's Forestry Officer, which were summarised by the Elaine Page (Group Leader for the Council's Planning & Building Control Department), in an email dated 05/06/2024. These further requests for information are summarised below:

1. '*inconsistencies in the plans need addressing;*
2. *lack of justification statements for loss of trees and hedgerows;*
3. *clarification of excavations and impacts of loss of trees;*
4. *amendments required to provide flexipave to all the route through the ancient woodland;*
5. *tables showing trees to be retained lost*'.

1.1.3 This Clarification Note and the also the Ancient Woodland Clarification Note have been updated to provide clarification on the Forestry Officer further queries.

1.1.4 In response to these comments and following further liaison with the design team, the Tree Protection Plan (TPP) Ref. LD10361-030 Rev. D for the development has been

updated to more clearly and accurately reflect the arboricultural impacts arising from the development's current proposed site layout design, drainage strategy, proposed ground works (cut and fill) and strategic landscaping masterplan. Note, some of the details shown on the Strategic Masterplan are to be dealt with at the Reserved Matters planning application stage, therefore where trees and hedgerows impacted by this are still shown as being retained, this is because these trees are to be retained, with the landscape masterplan to be updated for the Reserved Matters stage.

1.2 **Initial Forestry Officer Comments**

1.2.1 *'Masterplan Framework notes that important hedgerows must be retained wherever possible and if not be translocated to a suitable location within the sites. Having read through the AIA no mention is made of the outcomes of the assessment of the hedges under the Hedgerows regulations 1997 and nor is there any mention of translocation of these hedges and how this will be achieved. This is key to the works involving the hedgerows and as such I feel it must be included in the AIA so the entirety of the Impacts on the trees, woodlands and hedges can be adequately assessed.'*

1.2.2 *'The proposals do impact on several category A and B trees and groups with regards to level changes, however many of these appear as though with some minor amendments they could be remedied such as for Cat B T31 where level changes are proposed in part of the rooting area, it would therefore seem sensible to amend the extent of the level changes where possible where trees are on the edges of these works so as to minimise as far as possible the loss of these trees. I have also noted that some trees are shown for removal including category A trees and groups which are shown in areas of open space such as T49, T126 and G102 due to level changes. I would therefore again question ground level changes in some of these areas and how necessary they are given these areas are not to be built on. I am fully aware that in many instances these level changes will be so great between the newly created developable area and the area proposed as open space that it is not possible but I feel as noted previously and as laid out by policies and guidance that every effort should be made to retain these better quality trees and groups wherever possible.'*

1.2.3 *'Of more concern in general are the impacts on trees outside of the major engineering works as given the impacts in terms of removals due to level changes then every effort should have been made to avoid construction issues for the retained trees and hedges. There is however an extensive list of other implications on the trees such as for hard surfacing etc. These should be avoided and amendments to the scheme be sought to*

ensure as far as possible those trees which can be retained are done so without works in their rooting area or pruning to facilitate the scheme.'

1.2.4 *'AIA that rather than being a document which solely sets out the impacts on the trees as required by the scheme and how to deal with these it caveats many of these proposed impacts and notes that changes to the scheme should be made to alleviate them. Table 3 has many instances where the arboricultural consultant notes changes to the scheme should be made and I feel it is imperative that these are followed to negate implications for the trees wherever possible. I would therefore ask that the scheme be looked at in terms of these impacts and amendments made as noted.'*

1.2.5 *'To summarise I feel the points below need to be addressed:*

- *The recommendations for amendments to the scheme noted in the AIA need to be looked at and acted upon*
- *Amendments to the proposals need to be looked into where trees are implicated by the proposed scheme for level changes on the edge of rooting areas or for hard surfacing etc.*
- *Amendments into the scheme need to be looked into where trees located in areas of open space are proposed to be removed/impacted upon.*
- *Include details of important hedgerows and how they will be translocated as required in the AIA.'*

2 CLARIFICATION OF ARBORICULTURAL MATTERS

2.1 Hedgerow Removals and Translocation

2.1.1 An assessment has not been carried out into whether the hedgerows proposed for removal meet the Hedgerow Regulations (1997) criteria of 'species rich' or 'important' as part of the British Standard 5837:2012 survey undertaken as this is not a requirement of BS 5837. However, we have utilised the extant hedgerow survey data to extrapolate on whether 'species rich' hedgerows are to be removed to enable the development.

2.1.2 According to the Hedgerow Regulations Schedule 1, Part II Criteria, Sub-section 7(1) for hedgerows to be considered important in South Yorkshire they must have a minimum of five woody species, with this also subject to other features being present.

2.1.3 We have assessed the hedgerow survey data to ascertain the number of woody species recorded for each non boundary garden hedgerow within the site. The only hedgerow with a minimum of five woody species, hence being considered 'species

rich' is hedgerow H25. Hedgerow H25 is to be retained, apart from a very small northern section which is 9m² in size, which is to be removed for a swale. A screenshot of the Tree Protection Plan Ref. LD10361-030 Rev. D in Figure 1 shows hedgerow H25, the sections that will be protected with Heras fencing and the small northern section to be removed to enable a swale to be excavated. It may be feasible for this section of hedgerow H25 to be pruned to clear the swale footprint, rather than it being removed, depending upon where the stems are located. If it is pruned, rather than being removed, there would be no loss of a part of this hedgerow. Even if 9m² is to be removed, we do not consider that it would be feasible to translocate this small section as this would cause damage to the remaining parts of the hedgerow to the south, west and east of the section that will require removal. Furthermore the Council Biodiversity Officer has confirmed in her response to the Planning Officer dated 21st May 2024 "Translocation of species-rich hedgerows, where these can't be retained is required by the MU1 site specific policy and is a requirement within the Barnsley West Masterplan Framework (p54); however, due to the absence to date of appropriate management and heavy pony grazing/browsing of the current hedgerows on site, it is not considered that hedgerow translocation would be a suitable option. Planting of new species-rich hedgerows subject to ongoing management from the outset is considered to be a satisfactory measure."

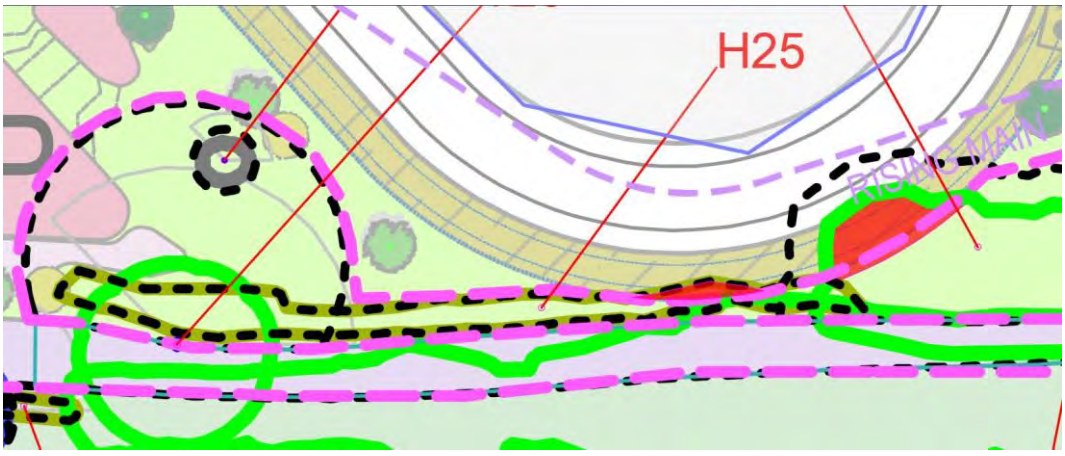


Figure 1: Screenshot of the Tree Protection Plan showing Hedgerow H25.

2.2 Northern SUDS Basin

2.2.1 Following discussions between the Project Arboriculturist's and the proposed drainage and Landscape Masterplan design teams, the footprint of the SUDS basin and associated footways have been relocated outside of the footprints of the trees RPAs that are located to the north, thus enabling their retention.

2.2.2 The category 'B' quality individual trees T60 and T61 and the category 'C' quality tree group G55, which were previously shown as having to be removed to enable the SUDS basin to be constructed are now to be retained. These trees entire Root Protection Areas (RPAs) can be protected using Heras protection fencing as shown on the screenshot of the Tree Protection Plan in Figure 2 below and on the appended Tree Protection Plan Ref. LD10361-030 Rev. D.

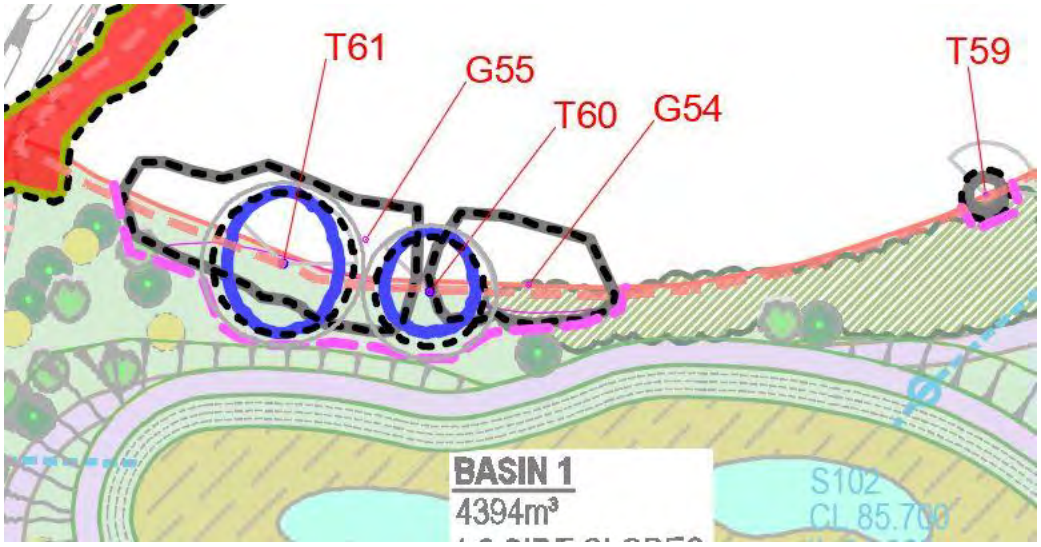


Figure 2: Screenshot of the Tree Protection Plan showing retained trees T60, T61 and G55.

2.3 Ground Level Changes Resulting In Tree And Hedgerow Removals

2.3.1 As described in the Arboricultural Impact Assessment (AIA) report Ref. LD10361-0011 Version V1.1 dated 9th November 2023, a number of trees and hedgerows are proposed to be removed as a result of proposed ground level changes to create level development platforms. The proposed level changes are part of the Full element of the Planning Application. It is not feasible to retain trees and hedgerows impacted directly by the ground level changes, unless otherwise detailed in Section 2.4 of this clarification note. The justification for the proposed ground level changes is that the extant topography of the site is not conducive to enabling the proposed development, thus trees and hedgerows have to be removed to enable ground levels to be reduced or increased that enables the allocated site to be developed. We have included in Appendix 1 Table 1 which details all trees and hedgerows to be removed and retained, with Table to giving the reasons (justification) why the removals are required. Appendix 2 and 3 includes the following plans that details the proposed ground cut and fill to enable the development of the Site:

Commercial Part of Site

- Proposed Earthworks Cut & Fill Analysis Ref. 4844-JPG-ZZ-ZZ-DR-C-1201 S2 Rev. P04 by JPG Group;

Residential Part of Site

- Masterplan Cut/Fill Depth To Existing Ground Level Sheet 1 Ref. QD2088-00-302 by Queensbury Design;
- Masterplan Cut/Fill Depth To Existing Ground Level Sheet 2 Ref. QD2088-00-303 by Queensbury Design.

2.3.2 If further information is required on specific ground level requirements to enable the development, this information would be best sought from Queensbury Design for the residential parts of the site and/ or the JPG Group for the commercial parts of the site.

2.3.3 Due to the significant impacts on the trees and hedgerows rooting areas and stems, it is not feasible to retain the trees and hedgerows proposed for removal, due primarily to the proposed ground works/ ground level changes required to implement the development. Note, where a part of a group or hedgerow is detailed as having to be removed, the details of what is proposed for removal and what is proposed for retention are shown on the Tree Protection Plan Ref. LD10361-030 Rev. D.

2.3.4 In relation to the individual tree queried by the Tree Officer, tree T31 cannot be retained due to a ground level increase of up to 2m, covering approximately 50% of the tree's RPA.

2.3.5 Ground level changes are required within the RPAs of three category 'C' trees T15, T16, T56and two category 'B' quality tree T21 and T27, and hedgerows H1 (predominantly impacted), H69 and H75. These were previously shown as being retained or partially retained, with a recommendation to avoid changing ground levels within their RPAs, if feasible. However, it has been confirmed that the ground level changes are unavoidable and therefore these trees and hedgerows will also require removal as detailed on the Tree Protection Plan Ref. LD10361-030 Rev. D.

2.4 **Ground Level Increased Using Geogrids To Enable Tree T22 Retention**

2.4.1 The ground is required to be raised within the western part of the category 'A' quality tree T22. This impacts 50m² of the tree's amended RPA. Rather than lose this high quality tree and because the ground level increase is outside of the tree's rooting zone of rapid taper and well away from the tree's stem, it is considered that this tree can be retained by the ground levels being increased using three-dimensional Geogrid

layers, such as Cellweb, with the geogrid layers charged with clean 20-40mm aggregate, with a needle punched geotextile separating the underlying soil from the stone and completed with a final geotextile layer topped with a layer of topsoil.

2.4.2 Utilising the above specification for raising ground levels within this tree' RPA will enable oxygen and rainfall to still reach the underlying root system and the dispersal of carbon dioxide from the roots, whilst maintaining an acceptable soil bulk density to allow the roots to keep on growing within the footprint of the raised ground level. It is advised that this will need to be fully specified in an Arboricultural Method Statement, which can be conditioned as pre-commencement planning condition.

2.5 Boundary Trees And Hedgerows Impacted By Ground Level Changes

2.5.1 A number of trees and hedgerows adjacent to the site boundary were potentially impacted by the proposed groundworks/ ground level changes proposed for the site, which left uncertainty on whether these could be retained. Following discussion with the project design team, we can confirm that the groundworks plans can be amended so that there are no ground level changes within the RPAs of trees and hedgerows on the site boundary, thus enabling the retention of the boundary trees and hedgerows, which are listed in the Retention & Removal Table in Appendix 1.

2.5.2 The Tree Protection Plan Ref. LD10361-030 Rev. D shows the trees and hedgerows to be retained in light of these changes, along with their RPAs and crown/ canopy spreads to be protected with Heras Tree Protection Fencing. No ground level changes are to take place within these tree and hedgerow RPAs, unless otherwise agreed by the Local Planning Authority.

2.6 Other Development Works Impacting Tree And Hedgerow Retention

2.6.1 In addition to the tree and hedgerow removals required due to proposed ground level changes, trees and hedgerows are also required to be removed as proposed roads, footways and drainage impact on their potential retention. Note, that many of these trees and hedgerows would have to be removed because of the proposed ground level changes anyway, in addition to them being impacted by other proposed other development infrastructure requirements. These additional impacts are detailed in Table 2 in Appendix 1, along with the reasons (justifications).

2.7 Realignment Of Footway To Reduce Tree & Hedgerow Impacts

2.7.1 A footway proposed close to the south-eastern boundary of the site has been realigned to remove impacts on the trees and hedgerows listed below. This reduces the removals required, pruning and footway construction impacts within RPAs.

Tree & Hedgerows Now Retained Due To Realignment Of Footway: T113, G93, G97, H86 (Initially Part Removed), H90 (Initially Part Removed).

Tree & Hedgerows Now Not Required To Be Pruned For Footway As Footway Moved Out Of Crowns/ Canopies: T109, G94, G95, H83, H87, H89.

Specialised No-Dig Footway Now Not Required For Footway As Footway Moved Out Of RPAs: T109, T114, T115, T116, T117, T118, T119, G94, G95, G96, H83, H87.

2.8 Other Development Works Impacting Retained Trees

2.8.1 Minor works such as footway installation, as shown on the Landscape Masterplan Ref. P11754-00-001-GIL-0100 Rev. 10 and the Tree Protection Plan Ref. LD10361-030 Rev. D. that are within the parts of the site subject to the Full Planning application, but which are not subject to ground level changes, are proposed. These proposed footways affect the trees listed in the Table 2 in Appendix 1. Within the retained trees RPAs such as within the woodland W1b, the footways will be constructed using no-dig materials such as Cellweb for the sub-base and porous Flexipave wearing course and installed in accordance with a specification to be included in an Arboricultural Method Statement (AMS).

2.8.2 The proposed NEAP and associated footways that are within the RPAs of two category 'A' quality trees T22 and T25, are not part of the Full element of the hybrid Outline application and therefore will form part of the Reserved Matters design and subsequent application submission. The Arboricultural team have discussed the impact of the hard infrastructure elements of the NEAP on these two trees, with the design team. The NEAP design will be updated for the Reserved Matters application to move the footways and other proposed hard infrastructure outside of the RPAs of these two trees.

3 SUMMARY & CONCLUSION

3.1 Following the initial and subsequent consultation comments made by the Barnsley Metropolitan Borough Council's Forestry Officer, liaison between WA's Arboriculturists and the project design team has resulted in a reduction in the overall impact of the proposed development on the trees and hedgerows on the site and those adjacent to site's boundaries. Amendments have been made, where feasible, to enable tree and hedgerow retention. These changes are listed in this clarification note, along with clarification of the trees and hedgerows that will have to be removed to enable the scheme to proceed.

3.2 The Tree Protection Plan Ref. LD10361-030 Rev. D has been updated to clearly and accurately reflect the tree and hedgerow removals required, with the current proposed site layout, drainage strategy and strategic landscaping masterplan overlaid onto the TPP.

3.3 It is expected that an AMS will be conditioned in order to ensure the protection of the trees during ground preparation works and construction of the Full elements of the application and an AIA to be submitted at the Reserved Matters stage, with an AMS also to be submitted prior to works commencing on site for the Reserved Matters parts of the development.

Appendix 1

Table 1: Details proposed tree and hedgerow removals and retention across the Site		
	Trees & Hedgerows To Be Retained	**Trees & Hedgerows To Be Removed**
Individual Trees	T1, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T18, T19, T22, T23, T24, T25, T26, T28, T29, T30, T32, T33, T34, T35, T36, T40, T41, T42, T43, T44, T45, T46, T47, T48, T50, T51, T52, T53, T54, T55, T56, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T67, T68, T69, T70, T71, T72, T73, T74, T75, T76, T77, T78, T79, T80, T81, T82, T83, T84, T85, T88, T92, T93, T94, T98, T99, T100, T101, T102, T103, T104, T105, T06, T107, T108, T109,T113, T114, T115, T116, T117, T118, T119, T120, T122, T123, T124	T14, T15, T16, T17, T20, T21, T27, T31, T37, T38, T39, T49, T86*, T87, T89, T90, T91, T95, T96, T97, T110, T111, T112, T121, T125, T126,
Tree Groups	G1, G2, G3, G4, G5, G7, G8, G9, G10 (partial), G11, G12 (partial), G13, G14 (partial), G22, G23, G24, G25, G26, G27, G28, G29, G37 (partial), G38, G39, G40, G41, G42, G43, G45, G47, G48, G49, G50, G51, G52, G53 (partial), G54, G55, G56, G57, G58, G59, G60, G61, G62, G63, G64, G65, G66, G67, G68, G69, G70, G71, G76, G77 (partial), G79, G80 (partial), G82, G84, G86, G87, G88, G89, G90, G92, G93, G94, G95, G96 (partial), G97, G98, G99, G100, G101, G102 (partial)	G10 (partial), G12 (partial), G14 (partial), G15, G16, G17, G18, G19, G20, G21, G30, G31, G32, G33, G34, G35, G36, G37 (partial), G44, G46*, G53 (partial), G72**, G73**, G74, G75, G77 (partial), G78, G80 (partial), G81, G83, G85, G91, G96 (partial), G102 (partial)
Hedgerows	H1 (partial), H2, H3, H5, H6, H7, H8, H10, H11 (partial), H12, H14, H15 (partial), H16, H18, H19, H20, H21, H22, H23, H24 (partial), H25 (partial), H26, H27, H28 (partial), H29, H30, H31, H32, H33, H34, H35, H36, H37, H38, H39, H40, H41, H42, H43, H44, H45, H46, H47, H48, H49, H50, H51 (partial), H54, H58, H59, H72, H73, H74 (partial), H79 (partial), H80, H82 (partial), H83, H84, H86, H87, H89, H90	H1 (partial), H4, H9, H11 (partial), H13, H15 (partial), H17, H24 (partial), H25 (partial), H28 (partial), H51 (partial), H52**, H53, H55, H56, H57, H60, H61, H62, H63, H64, H65, H66, H67, H68, H69, H70, H71, H74 (partial), H75, H76, H77, H78, H79 (partial)*, H81*, H82 (partial), H85, H88, H91, H92, H93
Woodlands	W1a, W1b (partial)	Individual trees within Woodland W1B: T1005, T1009, T1010, T1022, T1023, T1034, T1035, T1036, T1037, T1038, T1048

*Previously approved application -Ref. 2020/0027

**Previously approved application - Ref. 2020/0028

Table 2: Detailing the reasons for the proposed tree and hedgerow removal across the Site	
Reasons For Non-Retention Of Trees, Hedgerows & Woodlands	**Individual Trees, Tree Groups, Hedgerows & Woodlands Reference Numbers**
Proposed Ground Level Changes (Reductions and Increased)	T14, T15, T16, T17, T20, T21, T27, T31, T37, T38, T39, T49, T87, T89, T90, T91, T95, T96, T97, T110, T111, T112, T121, T125, T126, G10 (partial), G12 (partial), G14 (partial), G15, G16, G17, G18, G19, G20, G30, G31, G32, G33, G34, G35, G36, G37 (partial), G44, G74, G75, G77 (partial), G78, G80 (partial), G81, G83, G85, G91, G102 (partial), H1 (partial), H4, H9, H11 (partial), H13, H15, H17, H25 (partial), H28 (partial), H51 (partial), H53, H55, H56, H57, H60, H61, H62, H63, H64, H65, H66, H67, H68, H69, H70, H71, H75, H76, H77, H78, H79, H85, H88, H91, H92, H93
Proposed Housing	H77, H78, H79,
Proposed Drainage Scheme, including groundworks for SuDS basins	T14, T49, T110, T111, T112, T121, T126, G10 (partial), G12 (partial), G44, G102 (Partial), H11 (partial), H25 (partial), H51 (partial), H55, H66, H67, H82 (partial), H88, H92
New footway construction (hard surface)	T31, T126, G12 (partial), G14 (partial), G15, G16, G17, G18, G19, G21, G44, G46*, G53 (partial), G73**, G96 (partial), G102 (partial), H4, H11 (partial), H13, H15, H17, H24 (partial), H53, H74 (partial), H76, H79*, H81*, H82 (partial), H88, W1b
New car park construction	T91, T97, T95, T96, T125, G80 (partial), G81, G83, G85, G91, H51 (partial), H56, H66, H93
New road construction	T86**,G46*, G72**, G73**, H1 (partial), H4, H11 (partial), H13, H15, H17, H28, H51 (partial), H52**, H53, H69, , H76, H77, H78, H79*, H81*
Surface water drainage within the Ancient Woodland	T1005, T1009, T1010, T1022, T1023, T1034, T1035, T1036, T1037, T1038, T1048

*Previously approved application -Ref. 2020/0027

**Previously approved application - Ref. 2020/0028

Note, for the vast majority of removals there are multiple reasons for the tree and hedgerow removals. The primary reason is the proposed change in ground levels, with other development reasons also listed, thus trees and hedgerows may be included in multiple reasons sections in the table.

Appendix 2

Commercial Area Proposed Earthworks Cut & Fill Details

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DO NOT SCALE (A0)

NOTES

EARTHWORKS NOTES

1. JPG PROPOSED EARTHWORKS ANALYSIS IS INDICATIVE ONLY. IT IS BASED ON THIRD PARTY INFORMATION AND THEREFORE JPG DO NOT ACCEPT RESPONSIBILITY FOR VARIATIONS IN THE ACTUAL DEPTH OF SITE STRIP OR ANY OTHER ONSITE EARTHWORKS PARAMETERS THAT MAY EFFECT FINAL CUT AND FILL VOLUMES.
2. ISOPACHYTE COLOUR BANDINGS DENOTE APPROXIMATE CUT AND FILL VOLUMES BETWEEN THE EXISTING SITE STRIP AND PROPOSED FORMATION LEVELS. REFER TO EARTHWORKS ANALYSIS TABLE.
3. AREAS NOT SHADED WITH ISOPACHYTE COLOUR BANDINGS HAVE NOT BEEN INCLUDED IN THE CUT/FILL ANALYSIS.
4. ALL RETAINING WALL LOCATIONS SHOWN ARE INDICATIVE ONLY AND ARE SUBJECT TO DETAILED DESIGN.
5. APPROXIMATE EARTHWORK VOLUMES HAVE BEEN DETERMINED BASED ON THE FOLLOWING CAVEATS:
   - NO BULKING FACTORS HAVE BEEN ACCOUNTED FOR.
   - ARISINGS FROM DRAINAGE AND FOUNDATION EXCAVATIONS HAVE NOT BEEN ACCOUNTED FOR.
   - DEMOLISHED MATERIAL FROM EXISTING BUILDINGS/STRUCTURES HAVE NOT BEEN ACCOUNTED FOR.

EARTHWORKS ANALYSIS

PROPOSED SITE STRIP

ALLOW FOR A 300mm DEEP SITE STRIP.
TOTAL AREA = 367097m²
TOTAL VOLUME = 73419m³
SITE STRIP MATERIAL DEEMED TO BE UNSUITABLE FOR RE-USE AS ENGINEERING FILL.
TOPOGRAPHICAL SURVEY INFORMATION USED IN THE EARTHWORKS ANALYSIS TAKEN FROM: HAYCOCK & TODD LAND SURVEYS, DRAWING No. 58315.

ANALYSIS BETWEEN PROPOSED SITE STRIP & PROPOSED PLATEAU LEVELS

2D AREA	367097m²
CUT	685422m³
FILL	735041m³
NET (SHORTFALL)	49619m³
MAXIMUM CUT DEPTH	-12.780m
MAXIMUM FILL DEPTH	14.140m

SURFACE LEVEL DATA

MIN. LEVEL	MAX. LEVEL	COLOUR
-15.000m	-12.500m	
-12.500m	-10.000m	
-10.000m	-7.500m	
-7.500m	-5.000m	
-5.000m	-2.500m	
-2.500m	0.000m	
0.000m	2.500m	
2.500m	5.000m	
5.000m	7.500m	
7.500m	10.000m	
10.000m	12.500m	
12.500m	15.000m	

LEGEND

- 5.000 — DENOTES PROPOSED MAJOR CONTOURS
- 1.000 — DENOTES PROPOSED MINOR CONTOURS
- 1:40 — DENOTES PROPOSED GRADIENTS
- DENOTES DEVELOPABLE PLATEAU

0m 25m 50m
SCALE 1:1000

REV	DESCRIPTION	DATE	CHK	BY
P04	REVISED TO SUIT PLANNING COMMENTS	04.10.23	JDM	LSG
P03	REVISED TO LATEST LEVELS.	17.04.23	CPH	LSG
P02	REVISED TO LATEST LEVELS.	11.04.23	CPH	LSG
P01	FIRST ISSUE.	10.03.23	CPH	LSG

Project
BARNSLEY WEST

Drawing Title
PROPOSED EARTHWORKS
CUT & FILL ANALYSIS

INFORMATION

JPG
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E admin@jpg.group | T +44 (0)113 263 1155

4848-JPG-ZZ-ZZ-DR-C-1201 | S2 | P04

Appendix 3

Residential Area Proposed Earthworks Cut & Fill Details

Only PDF/ DWF Issues of this drawing are controlled. All other formats (eg. DWG AutoCAD FILES) are UN-controlled and are used at your own risk.

NOTES

1. THIS DRAWING SHOWS THE PRELIMINARY REGRADE CONTOURS. THE CONTOURS HAVE BEEN BASED ON THE LATEST MASTERPLAN AND A INITIAL ASSESSMENT OF ROAD LEVELS.
2. PROPOSED CONTOURS SUBJECT TO FINAL LAYOUT AND DETAILED DESIGN.
3. LEVELS ARE SUBJECT TO A +/- TOLERANCE OF 1.0m

Colour, Band, Area

-6.00	-5.00	0.0%	0.62	
-5.00	-4.00	0.0%	73.37	
-4.00	-3.00	0.5%	2799.77	
-3.00	-2.00	2.1%	12234.29	
-2.00	-1.00	5.6%	32157.54	
-1.00	0.00	25.7%	150919.51	
0.00	1.00	50.3%	295845.18	
1.00	2.00	10.2%	59740.58	
2.00	3.00	3.0%	17702.78	
3.00	4.00	1.5%	9021.68	
4.00	5.00	0.8%	4706.92	
5.00	6.00	0.4%	2297.37	
6.00	7.00	0.1%	732.18	

Rev	Date	Revision Details	Drawn	Checked
	25.09.23	FIRST ISSUE	ND	ND

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QUEENSBERRY DESIGN
CIVIL, STRUCTURAL, MECHANICAL & ELECTRICAL CONSULTANTS
NORTH EAST OFFICE
5 THE STATHES, THE WATERMARK, GATESHEAD, TYNE AND WEAR NE11 9SN
0191 460 9080
NORTH WEST & YORKSHIRE OFFICE
2A ST MARTIN'S LANE, YORK, YO1 8LN
T: 01904 555562
www.queensberrydesign.co.uk

Client
STRATA STERLING BARNSLEY WEST LTD

Project
BARNSLEY WEST
MASTERPLAN

Title
MASTERPLAN
CUT / FILL DEPTHS TO EXISTING GROUND LEVEL
SHEET 1

Drawn	Checked	Date
ND	AL	25.09.2023

Drawing Number: QD2088-00-302

Drawing Status: INFORMATION

Scale: 1:1000 - A0

Rev: -

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NOTES

1. THIS DRAWING SHOWS THE PRELIMINARY REGRADE CONTOURS. THE CONTOURS HAVE BEEN BASED ON THE LATEST MASTERPLAN AND A INITIAL ASSESSMENT OF ROAD LEVELS.
2. PROPOSED CONTOURS SUBJECT TO FINAL LAYOUT AND DETAILED DESIGN.
3. LEVELS ARE SUBJECT TO A +/- TOLERANCE OF 1.0m

Colour, Band, Area

-6.00	-5.00	0.0%	0.62	
-5.00	-4.00	0.0%	73.37	
-4.00	-3.00	0.5%	2799.77	
-3.00	-2.00	2.1%	12234.29	
-2.00	-1.00	5.6%	32157.54	
-1.00	0.00	25.7%	150919.51	
0.00	1.00	50.3%	295845.18	
1.00	2.00	10.2%	59740.58	
2.00	3.00	3.0%	17702.78	
3.00	4.00	1.5%	9021.66	
4.00	5.00	0.8%	4706.92	
5.00	6.00	0.4%	2297.37	
6.00	7.00	0.1%	732.18	

Unit 1
Unit 2
Unit 3
Unit 4
Unit 5
Unit 6
Unit 7

C	25.09.23	FIRST ISSUE	ND	ND
Rev	Date	Revision Details	Drawn	Checked

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QUEENSBERRY DESIGN
CIVIL, STRUCTURAL, ARCHITECTURAL & CONSTRUCTION CONSULTANTS
NORTH EAST OFFICE
5 THE STAITHES, THE WATERMARK,
GATESHEAD, TYNE AND WEAR NE11 9SN
T: 0191 460 9090
NORTH WEST & YORKSHIRE OFFICE
2A ST MARTIN'S LANE, YORK, YO1 8LN
T: 01904 500960
www.queensberrydesign.co.uk

Client
STRATA STERLING BARNSLEY WEST LTD

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MASTERPLAN

Title
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CUT / FILL DEPTHS TO EXISTING GROUND LEVEL
SHEET 2

Drawn	Checked	Date
ND	AL	25.09.2023

Drawing Number: QD2088-00-303

Drawing Status: INFORMATION | Scale: 1:1000 - A0 | Rev: -

Appendix 4

Tree Survey Schedule

Location: Barnsley West **(Job. No.** LD10361**)**

Estimated Stem Diameters & Other Measurements highlighted in this colour

Surveyor: Mark Levitt**,** Alan Reid

Weather: Sunny with cloud and rain at times.

Survey Dates: 22-25.05.2023; 06.06.2023; 26-29.06.2023 (ML)**;** 11.07.2023; 26-28.02.2024 (AR)

					Crown Spread (m)											Condition								
Item type: T (tree), **G** (group), **H** (hedge), **W** (woodland)	**Tree/ Group Ref. No.**	**Common Name**	**Height(m)**	**Crown Clearance (m) & compass direction**	**North**	**East**	**South**	**West**	**Stem Diameter @ 1.5m (mm)**					**Number of stems**	**Age Class: Y** (Young), **SM** (Semi-Mature), **EM** (Early-Mature), **M** (Mature), **LM** (Late-mature), **V** (Veteran)	**Physiological Condition: G** (Good), **F** (Fair), **P** (Poor), **D** (Dead)	**Structural Condition: G** (Good), **F** (Fair), **P** (Poor)	**Estimated Remaining Contribution: (<10, 10+, 20+, 40+)**	**BS5837 Categorisation Grading**	**Sub Category**	**Comments**	**Preliminary management recommendations/ further works**	**BS 5837 Root Protection Area (m²)**	**BS 5837 Root Protection Radius (m)**	**Veteran Tree Root Protection Radius (m)**
T	1	Common Hawthorn	3.3	0 W	2.2	1.5	2	1.7	100	90				2	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted due to low canopy around tree and scrub at east, limiting detailed measurements.	None required.	8.2	1.6	N/A
T	2	Common Alder	2.9	0.7 E	1.6	2	1.1	1.8	150					1	EM	P	F	<10	U		Very poor physiological condition, dead branches, some regrowth up main stem. Access restricted due to location within scrub, limiting detailed measurements.	None required.	10	1.8	N/A
T	3	Common Hawthorn	3	0 E	2.4	2	2	1.3	90	50	50			3	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Rooted directly adjacent west of barbed wire fence. Access restricted, limiting detailed measurements.	None required.	5.9	1.4	N/A
T	4	Common Hawthorn	2.6	0 W	1.5	1.8	1.8	1.7	70					6	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	13	2.1	N/A
T	5	Common Hawthorn	3	1.2 W	1.4	1.5	1.2	2.2	120					1	SM	G	F	40+	C	1	Dog rose growing up around tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	6.5	1.4	N/A
T	6	Common Hawthorn	2.9	0 W	2	1.3	1.8	1.5	150					1	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	7	Common Hawthorn	2	0.1 W	1.7	1.1	1.6	0.9	75					1	SM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	2.5	0.9	N/A
T	8	Common Hawthorn	3.7	0.1 E	2.2	1.7	1.9	1.2	90	80	70	70		4	SM	G	F	40+	C	1	Small, multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	11	1.9	N/A
T	9	Common Ash	5.5	1 NE	1.8	2.1	2.1	2.1	130					1	Y	G	G	20+	C	1	Very minor dieback, likely caused by ash dieback disease. Small, single-stemmed tree. Access restricted, limiting detailed measurements.	None required.	7.6	1.6	N/A
T	10	Common Hawthorn	2.9	0.1 W	2.2	2.5	2	2.5	50	60	50	40	60	5	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	6.2	1.4	N/A
T	11	Sycamore	6.1	0.5 N	2.6	5.3	7	4.9	300					1	SM	G	F	40+	C	1	Excellent vitality. Stem obscured by vegetation and scrub mass. Access restricted, limiting detailed measurements.	None required.	41	3.6	N/A
T	12	Common Hawthorn	5.5	0.5 NW	2.5	1.9	2.5	2	120	110	130	150		4	M	G	F	40+	B	1,3	Multi-stemmed upright, medium-sized specimen. Excellent vitality. Between stile and access track, directly adjacent to west of barbed wire fence and track entrance gate post. Access restricted, limiting detailed measurements.	None required.	30	3.1	N/A
T	13	Common Hawthorn	2.8	0.2 S	2.5	2.4	2.1	3	100					6	EM	G	F	40+	C	1	Third party small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	27	2.9	N/A
T	14	Common Hawthorn	2.6	0 N	1.9	2.1	1.9	1.9	95	100				2	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	8.6	1.7	N/A
T	15	Common Hawthorn	1.9	0 E	2.1	2.2	1.7	1.4	80					6	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. On field boundary line adjacent to east of boundary fencing. Access restricted, limiting detailed measurements.	None required.	17	2.4	N/A

T	16	Common Hawthorn	2.4	0 NW	1.6	1.6	1.6	1.3	70	85				2	EM	G	F	40+	C	1	Small multi-stemmed tree. Access restricted, limiting detailed measurements.	None required.	5.5	1.3	N/A
T	17	Common Hawthorn	3	0 NW	1.3	1.3	1.3	0.9	95	80				2	EM	G	F	40+	C	1	Small multi-stemmed tree. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	7.0	1.5	N/A
T	18	Common Oak	5.8	2.3 NW	3.3	3.8	4	3.5	300					1	EM	F	F	40+	C	1,2	Hedgerow tree, minor dieback otherwise healthy. Ivy dense on stem and into lower part of crown. Brash deposited at base on field side, likely some weight due to large earth clods and fence posts also deposited within brash pile, therefore likely some underlying soil compaction within rooting zone. Access restricted, limiting detailed measurements.	None required to tree. Remove deposited brash, earth and fence posts etc. from rooting zone within 12 months, to prevent any further ground compaction.	41	3.6	N/A
T	19	Sycamore	6	0 N	3.5	3.2	3.2	3.5	350					1	EM	F	F	20+	C	1,2	Roadside hedgerow tree. Access restricted, limiting detailed measurements.	None required.	55	4.2	N/A
T	20	Common Oak	11.8	1.5 N	7.4	7.3	5.5	6.8	1000					1	M	F	F	20+	B	2,3	Roadside tree. Dieback evident in crown. Small cavity at east at approx. 8 to 9m on main stem /leader, also decaying lost branch wound on branch just below and to north of this - bat potential. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within one year.	452	12.0	N/A
T	21	Common Oak	6	1.7 N	6.3	3.6	3.7	5.5	350					1	EM	G	G	40+	B	1,2	Single-stemmed hedgerow tree, field boundary location overhanging road at south. Minor dieback, good vitality otherwise. Access restricted, limiting detailed measurements.	None required.	55	4.2	N/A
T	22	Common Oak	12.6	2.6 E	6.6	7	5.8	6.7	900					1	M	G	G	40+	A	1,3	Large mature specimen, with a wide spreading canopy. Overhanging road at south but not to building. Excellent vitality. Minor dieback, shaded out deadwood in lower canopy. Decaying torn out small branch stubs at south at approx. 3m, water pocket above this, other cavities within lost branch sockets potentially. Wound in underside of branch over road, large vehicle damage likely. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within one year.	366	10.8	N/A
T	23	Common Hawthorn	3.9	1.8 NW	2.1	1.3	1.7	1.7	200					1	EM	P	F	10+	C	1	Small garden tree. Dieback extensive. Access restricted, limiting detailed measurements.	None required.	18	2.4	N/A
T	24	Hybrid Black Poplar	10.6	1.5 NW	4	3.1	4.2	3.8	320					1	EM	G	G	40+	B	1	Upright, single-stemmed tree. Good vitality, minor dieback noted. Ivy on stem. Access restricted, limiting detailed measurements.	None required.	46	3.8	N/A
T	25	Common Oak	15.3	1.2 NE	7	8.2	9	8.5	1000					1	M	G	G	40+	A	1,2,3	Field boundary tree. Large, mature specimen, with rounded canopy weighted north over road forming arch with group at south, excellent vitality. Decaying c. 1.5m long branch stub, previously reduced, at north, at approx. 3m from ground level. Access restricted, limiting detailed measurements.	None required.	452	12.0	N/A
T	26	Common Ash	4.1	1 E	1.5	2.1	1.8	2	220					1	EM	F	F	10+	C	1	Small upright tree within concrete blocks and wooden palettes. Failed leader, regrowth and foliage on lower branches mostly healthy, some dieback evident likely indicative of Ash Dieback Disease. Access restricted, limiting detailed measurements.	None required.	22	2.6	N/A
T	27	Common Oak	11.1	1.8 SE	6.1	6.2	6.5	6.5	1000					1	M	F	F	40+	B	3	Open grown field tree. Browsing damage and wounding on stem. Deadwood, decay cavities in crown, habitat value and bat roosting potential. Canopy some dieback but overall fairly healthy. Access restricted, limiting detailed measurements.	If land use intensifies within falling distance of tree re-inspect for safety/risk management purposes prior to intensification.	452	12.0	N/A
T	28	Sycamore	10.5	1.5 W	4.5	4.5	4.5	4.5	300	400				2	EM	G	F	40+	B	1	Field tree close to woodland edge. Good vitality, growing in bank at least partly rooted within waterlogged area. Access restricted, limiting detailed measurements.	None required.	113	6.0	N/A

T	29	Common or Black Elder	3.5	0.5 N	2	2	2	2	250					1	EM	P	P	<10	U		Multi-stemmed, small tree. Dieback extensive. Access restricted, limiting detailed measurements.	None required, as low risk due to small size.	28	3.0	N/A
T	30	Common Hawthorn	4	0 E	2.5	2.5	2.5	2.5	250					1	EM	F	F	40+	C	1	Small multi-stemmed tree, good vitality, minor dieback. Access restricted, limiting detailed measurements.	None required.	28	3.0	N/A
T	31	Common Ash	15.2	1.7 S	7.9	8.5	8	5.9	750					1	M	F	F	20+	B	2	Dieback evident, extensive at branch tips, canopy overall less than 30% estimated dieback. Former hedgerow tree. Access restricted, limiting detailed measurements.	Re-inspect for deterioration due to Ash Dieback Disease within 2 years. Note, inspections for Ash Dieback Disease are to be carried out during the summer months when the tree is in leaf.	254	9.0	N/A
T	32	Bay Laurel	3.6	1.7 SW	1.5	1.5	1.5	1.5	300					1	M	G	F	40+	C	1	Mature, garden specimen. Excellent vitality. Access restricted, limiting detailed measurements.	None required.	41	3.6	N/A
T	33	Sycamore	9.3	2.2 W	4	4.5	4.6	4.6	400					1	EM	G	F	40+	B	1	Third party garden tree, overhanging site at west. Good form, health and vigour. Access restricted, limiting detailed measurements.	None required.	72	4.8	N/A
T	34	Sycamore	4.1	1.8 W	1.5	2.5	1.3	2.6	150					1	EM	G	G	40+	C	1	Small boundary tree, site side of garden fencing. Good vitality. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	35	Sycamore	5.7	3.2	1.1	1.5	1.6	2	150					1	EM	G	G	40+	C	1	Small boundary tree. Site side of garden boundary fencing. Good vitality. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	36	Common Hawthorn	2.4	1 SW	0.5	0.5	2.3	1.7	95					1	SM	G	F	40+	C	1	Small boundary tree. Site side of garden boundary fence. Lean to south. Access restricted, limiting detailed measurements.	None required.	4.1	1.1	N/A
T	37	Common Ash	2.6	0 W	0.8	2.1	2	0.6	80	70	60			3	EM	F	P	<10	U		Small ash with failed stems and dieback. Access restricted, limiting detailed measurements.	None required, as low risk due to small size.	6.7	1.5	N/A
T	38	Common Hawthorn	2	0 SW	1.1	2	1.5	1	75					1	SM	G	F	40+	C	1	Very small tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	2.5	0.9	N/A
T	39	Common Hawthorn	2.7	0 N	2.2	2.5	2.1	2	200					1	EM	G	G	40+	C	1	Small hawthorn, low canopy, estimated to be single stemmed to above breast height. Access restricted, limiting detailed measurements.	None required.	18	2.4	N/A
T	40	Norway Spruce	5.3	1.6 W	3.6	3	2.5	3	400					1	EM	G	G	40+	C	1	Third party garden tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	72	4.8	N/A
T	41	Wild Cherry	3.8	0.3 W	1.8	1.5	3.6	2.3	150					1	EM	F	F	10+	C	1	Flailed on site side, remaining branches with healthy foliage, also fruiting. On boundary, likely third party tree. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	42	Common or Black Elder	2.9	0.2 NW	1.8	2.9	3	2.7	110					7	M	G	F	20+	C	1	Garden boundary, multi-stemmed tree. Access restricted, limiting detailed measurements.	None required.	38	3.5	N/A
T	43	Common Hawthorn	4.5	0 N	2.8	3	3	2.3	130					6	M	G	F	40+	C	1	Third party garden tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	46	3.8	N/A
T	44	Common Beech	1.1	0 SW	0.5	0.8	8	1.2	1200					1	M	D	P	N/A	U		Fallen stem. Lying on side. Reduced to c. 8m. Large stem offcut adjacent exposed root flare. Access restricted, limiting detailed measurements.	Retain if possible for habitat value.	651	14.4	N/A

T	45	Common Beech	20.1	1.5 W	7.6	8	12	8.5	1140					1	M	G	G	40+	A	1,2,3	Large mature specimen. Ground compacted around base but good vitality . To south failed fallen stem of tree with stem diameter similar size, roots may have rotted due to poor rooting conditions (compaction likely a factor). Small wound in main stem at west at approx. 1m - small decay cavity developed, wound partially occluded. Could be cavities in high crown, possible bat potential due to age and size. Clear stem to approx. 9m at southeast, canopy around tree on all other sides. Growing on sloping ground at edge of field containing Shetland ponies. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within one year due to proximity to public footpath to southwest of tree. As part of inspection, undertake airspade excavation of soil around the rooting area to assess the condition of the buttress roots and to decompact the surrounding compacted soil	588	13.7	N/A
T	46	Common Hawthorn	4.1	0.1 E	2.2	2	1.7	1.7	60	60	60			3	EM	G	F	40+	C	1	Small multi-stemmed tree, good vitality. Access restricted, limiting detailed measurements.	None required.	4.9	1.2	N/A
T	47	Common Hawthorn	8.5	1.5 W	3.8	4	2.8	4.8	200					6	M	G	F	40+	B	3	Mature, characterful specimen. Habitat value. On compacted slope. Access restricted, limiting detailed measurements.	None required.	109	5.9	N/A
T	48	Common Beech	15	1.2 W	8.5	8	5	5.8	1200					1	M	G	F	40+	B	2,3	Large, mature specimen. Large cavity at base at east from ground to c. 2.5m with two openings. Also at c.5-9m up eastern side of main stem which curves over to west. Bat potential, although likely open to rain at least higher section. Habitat value. Several public footpaths are within falling distance to the west of the tree. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within 6 months to assess the level of risk to footpath users.	651	14.4	N/A
T	49	Common Oak	15.2	0.5 SE	8	9	13.4	9	960					1	M	G	F	40+	A	1,2,3	Large, mature specimen. Good vitality. Twin-stemmed from approx. 2.2m. Stem wound with decay in main stem at base at west, likely as a result of browsing damage. Rounded, wide-spreading crown. PRoW located within falling distance of tree. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within one year to assess the level of risk to footpath users.	417	11.5	N/A
T	50	Common Hawthorn	3.2	1.1 W	2.3	2.5	2.1	2.3	70					10	EM	G	F	40+	C	1	Small multi-stemmed tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	22	2.7	N/A
T	51	Common Hawthorn	3.9	0.5 W	3	3	2.4	2.7	100					10	EM	G	F	40+	C	1	Small multi-stemmed tree. Good vitality. Access restricted, limiting detailed measurements.Topo symbol location not accurate - tree straddles boundary fence line, plotted using Geode sub metre GPS onsite during survey.	None required.	45	3.8	N/A
T	52	Common Hawthorn	3.5	0.3 W	1.5	2	1.5	1.1	100	95	80	75		4	EM	G	F	40+	C	1	Small multi-stemmed tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	14	2.1	N/A
T	53	Common Hawthorn	5.2	1.2 W	3	3	1.5	2	95					6	M	G	F	40+	C	1	Upright, multi-stemmed quite tall specimen for the species, on boundary. Good vitality. Access restricted, limiting detailed measurements.	None required.	24	2.8	N/A
T	54	Crab Apple	8.7	1.1 SW	6.5	7	7	6.3	240	590				2	M	F	F	40+	B	3	Mature, twin-stemmed tree. Fruiting. Minor dieback. Shade deadwood. Browsing damage around base. Access restricted, limiting detailed measurements.	None required.	184	7.6	N/A

T	55	Common Ash	16	4 SW	9	7	8.7	6.4	650	450				2	M	G	F	40+	A	1,2,3	Third party, large tree. Very good condition, showing only very minor signs of dieback. Some shade deadwood over gardens and site. Access restricted, limiting detailed measurements. Plotted using sub metre GPS, beyond boundary fencing on site.	Re-inspect for deterioration due to Ash Dieback Disease if land use intensifies near tree. Note, inspections for Ash Dieback Disease are to be carried out during the summer months when the tree is in leaf. Inspection will be required to be carried out from within the site.	283	9.5	N/A
T	56	Common Ash	9.6	1.4 SE	6	6	2.6	3	180	190	250	250	250	5	EM	G	F	10+	C	1	Regrowth from large previously reduced stem or stems. Slender leaning stems to north over gardens. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within one year due to location and leaning stems over gardens.	116	6.1	N/A
T	57	Apple	5.5	1.1	5	2.8	1.6	0.7	300					1	EM	D	P	N/A	U		Standing dead tree. Leaning north over garden. Access restricted, limiting detailed measurements.	If tree is within site, remove within 3 months. If outside boundary, advise notifying tree owner that the tree is a potential hazard.	41	3.6	N/A
T	58	Common Oak	7.4	1.5 S	7	6.5	6.5	4.2	550					1	EM	G	G	40+	B	1	Third party, medium-sized tree. Previously reduced. Good vitality. Access restricted, limiting detailed measurements.	None required.	137	6.6	N/A
T	59	Common Elder	5.9	0 SE	2	2	2	2	95					6	M	G	F	40+	C	1	Large, mature specimen. Good vitality. Access restricted, limiting detailed measurements.	None required.	24	2.8	N/A
T	60	Common Oak	7.2	1.1	7	5.2	4.6	5.1	500					1	EM	G	G	40+	B	1,2	Boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	113	6.0	N/A
T	61	Common Oak	8.2	2.5 W	8	6.3	7.9	6.4	650					1	EM	G	G	40+	B	1,2	Boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	191	7.8	N/A
T	62	Common Hawthorn	5	0.2 E	2	2.5	1.8	1.5	95	80	85			3	EM	F	F	40+	C	1	Boundary tree. Multi-stemmed. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	63	Common Hazel	3.5	0.8 E	2.1	2.1	1.5	1.5	80	75	90	75	80	5	EM	G	F	40+	C	1	Third party. Small multi-stemmed tree overhanging site by approx. 1.5m. Good vitality. Access restricted, limiting detailed measurements.	None required.	15	2.2	N/A
T	64	Unknown	4.4	0.8 NE	2.8	3	2.8	3	250	150	200	90	100	5	EM	G	F	40+	C	1	Third party. Garden tree overhanging site by approx. 1.5m. Good vitality. Access restricted, limiting detailed measurements.	None required.	65	4.5	N/A
T	65	Wild Cherry	6.1	0.3 NE	2.7	2.6	2.1	2.5	150					1	EM	G	F	40+	C	1	Small boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	66	Wild Cherry	2.9	1 E	2.5	2.2	2	2.3	95	95				2	EM	G	F	40+	C	1	Small boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	8.2	1.6	N/A
T	67	Common Hawthorn	3.1	0.5 E	2	2	2	2.5	95					6	EM	G	F	40+	C	1	Third party. Small multi-stemmed tree. Access restricted, limiting detailed measurements.	None required.	24	2.8	N/A

T	68	Sycamore	5.7	1.7	2	3	2.1	3	320					1	EM	G	G	40+	B	1	Third party garden tree. Access restricted, limiting detailed measurements.	None required.	46	3.8	N/A
T	69	Apple	2.9	1.4 E	1.5	1.5	1.4	1.5	75					6	EM	G	F	40+	C	1	Third party garden boundary tree. Access restricted, limiting detailed measurements.	None required.	15	2.2	N/A
T	70	Spruce	4	0.4 E	0.9	1.5	0.9	1.4	200					1	EM	G	G	40+	C	1	Third party garden boundary tree. Access restricted, limiting detailed measurements.	None required.	18	2.4	N/A
T	71	Goat Willow	8.7	0.6 E	5	4.5	5	5.5	300	400				2	EM	G	F	40+	B	2	Third party garden boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	113	6.0	N/A
T	72	Crab Apple	4.7	1.4 E	2.2	2.5	2.6	2.5	150	200	100	150		4	EM	G	F	40+	C	1	Third party garden tree. Access restricted, limiting detailed measurements.	None required.	43	3.7	N/A
T	73	Purple Maple	5.1	2.3 E	2.5	2.5	3.1	3.5	250					1	EM	G	F	40+	C	1	Third party garden tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	28	3.0	N/A
T	74	Apple	3.2	1.5	1.9	1.9	1.9	2	100	150	150			3	EM	G	F	40+	C	1	Third party garden boundary tree. Access restricted, limiting detailed measurements.	None required.	25	2.8	N/A
T	75	Silver Birch	8.5	2 E	4.2	3.3	3.9	4	290					1	EM	G	F	40+	C	1	Third party garden boundary tree. Access restricted, limiting detailed measurements.	None required.	38	3.5	N/A
T	76	Grey Willow	6.8	2.2 E	3.1	3.7	3	3.5	300					1	EM	P	F	10+	C	1	Third party small garden boundary tree. Dieback of majority of crown. Access restricted, limiting detailed measurements.	N/A as outside site boundary	41	3.6	N/A
T	77	Common Horse Chestnut	6.2	1.5 E	3.1	2.6	2.8	3	250					1	EM	G	G	40+	C	1	Third party garden boundary. Good vitality. Access restricted, limiting detailed measurements.	None required.	28	3.0	N/A
T	78	Common Hawthorn	4.1	0.4 E	2.4	2.2	2.4	2.5	108	150	130			3	EM	G	F	40+	C	1	Third party garden boundary tree. Access restricted, limiting detailed measurements.	None required.	23	2.7	N/A
T	79	Common Horse Chestnut	4.8	1.5 E	4	2	1.6	4	150					1	EM	G	G	40+	C	1	Third party garden boundary tree. Access restricted, limiting detailed measurements.	None required.	10	1.8	N/A
T	80	Goat Willow	9.1	0.2 E	6.5	6	4.8	6	300	300	400	400		4	M	G	F	40+	B	2	Rounded, multi-stemmed form. Good vitality. Access restricted, limiting detailed measurements.	None required.	226	8.5	N/A
T	81	Plum	2.3	0 SE	2	2.3	1.9	1.3	140					1	EM	G	F	40+	C	1	Small multi-stemmed tree. Access restricted, limiting detailed measurements.	None required.	8.9	1.7	N/A
T	82	Mountain Ash	3.5	2 E	1.8	2.2	1.5	1	120	100	100			3	EM	G	F	20+	C	1	Small multi-stemmed boundary tree. Access restricted, limiting detailed measurements.	None required.	16	2.2	N/A
T	83	Common Hawthorn	6	0 E	2.2	2.5	2.2	2.5	300	250				2	EM	G	F	40+	B	2	Boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	69	4.7	N/A
T	84	Common Hawthorn	7.5	1.1 E	4.2	4.3	3.7	4.5	100					6	M	G	F	40+	B	2	Garden boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	27	2.9	N/A
T	85	Common Ash	13	3.5 E	7.3	12.8	8.6	8.3	600	600				2	M	F	F	20+	B	3	Large mature specimen. Dead limb at northwest over third party land. Majority of canopy good vitality. Twin stemmed, leaning stems. Access restricted, limiting detailed measurements.	If tree is within site boundary, remove dead limb over third party land within 12 months. Note permission to access third party land may be required to undertake the work.	326	10.2	N/A
T	86	Sycamore	2.2	0 W	1.5	1	1.5	1.5	50	50	50			3	EM	G	F	40+	C	1	Third party. Small field boundary tree. Access restricted, limiting detailed measurements.	None required.	3.4	1.0	N/A

T	87	Common Hawthorn	9.1	0 W	4.3	4	2.9	4	400	300				2	M	G	F	40+	B	3	Field boundary tree, good vitality. Access restricted, limiting detailed measurements.	None required.	113	6.0	N/A
T	88	Common Ash	9	0.3 E	4.5	4	4.5	4.5	110					6	EM	G	F	20+	C	1	Third party field boundary tree. Minor dieback. Access restricted, limiting detailed measurements.	None required.	33	3.2	N/A
T	89	Common Ash	10.2	0.2 W	4.22	4.7	4.62	4.4	420					1	EM	F	F	40+	C	1	Field boundary, likely outgrown former hedgerow tree. Dieback, likely due to Ash Dieback Disease, evident across outer crown, however less than 25% overall. Access to stem restricted by low branches limiting detailed measurement.	Re-inspect for deterioration due to Ash Dieback Disease if land use intensifies near the tree, prior to land use intensification. Note, inspections for Ash Dieback Disease are to be carried out during the summer months when the tree is in leaf.	80	5.0	N/A
T	90	Common Ash	13.4	2.9 SW	5.9	7.9	7.8	6.8	820					1	M	F	F	20+	B	3;2	Large, mature specimen. Cavities developing at base and in stems and branches - bat potential likely. Orange fungal fruiting body on stem at north at approx. 5m - likely to be Inonotus hispidus, a decay fungus. Dieback evident in crown, particularly at north - overall approx. 25%. View of stem base partially obscured by small multi-stemmed elder.	If land use intensifies near the tree, undertake decay detection to quantify decay and thus to determine the tree's risk of failure, to be done prior to land use intensification.	304	9.8	N/A
T	91	Common Ash	12.8	1.7 N	7.6	7.8	6.9	7.4	550	600				2	M	F	F	20+	B	1,2,3	Large prominent, field boundary tree. Minor dieback evident. Canopy thinning at north. Inonotus fungal fruiting body bracket under eastern stem near to the ground. This indicates decay within the stem and resulting reduced structural integrity. Evidence of decay on the stem visible from the bracket upwards for approx. 1.5-2m, with remains of other brackets visible on this discoloured area. There is also a dead branch up and to the east, attached to this stem overhanging the hedge at approx. 2 to 2.5m from the ground. Bat roosting potential . Access restricted limiting detailed measurements.	Re-inspect for safety/risk management purposes prior to land use intensification within falling distance of tree.	300	9.8	N/A
T	92	Common Ash	13.7	0 SE	3.9	5.22	4.7	5.5	280					1	EM	F	F	20+	B	2	Prominent tree between site and motorway, canopy touching motorway sign. Dieback evident, particularly at south and in lower canopy. Access restricted, limiting detailed measurements.	Inspect for progression of Aah Dieback Disease, prior to land use intensification near the tree,	35	3.4	N/A
T	93	Common Ash	9.2	1.5 W	3.9	5	5.8	5.5	300	220	90			3	EM	F	F	10+	C	1	Third party field boundary tree, between site and motorway. Dieback evident, estimated at 20% of canopy. Access restricted, limiting detailed measurements.	Inspect for progression of Aah Dieback Disease, prior to land use intensification near the tree,	66	4.6	N/A

T	94	Common Ash	8.3	0.2 SE	4	5.8	5.3	5.5	350					1	EM	F	F	20+	C	1	Third party tree between site and motorway. Dieback (25%) evident throughout crown on eastern side.Access restricted, limiting detailed measurements.	Inspect for progression of Aah Dieback Disease, prior to land use intensification near the tree,	55	4.2	N/A
T	95	Common Ash	10.9	2.3 W	5.2	6.5	6.4	6	600					1	M	F	F	40+	B	1,2,3	Large spreading canopy. Dieback at east. Shade deadwood. Access restricted, limiting detailed measurements.	Inspect for progression of Aah Dieback Disease, prior to land use intensification near the tree,	163	7.2	N/A
T	96	Common Hawthorn	8.5	2 NE	3.82	4.32	5.02	2.62	290					1	M	G	F	40+	B	3	Single stemmed, browsing and rubbing damage (horse hairs visible). Wounds at west of main stem small cavities developing. Habitat and conservation value. Western end tree of outgrown hedgerow.	None required.	38	3.5	N/A
T	97	Common Hawthorn	7.2	0.5 N	3.8	4.21	4	3.5	150					6	M	G	F	40+	B	3	Mature, multi-stemmed specimen, browsing damage on stems. Habitat and conservation value.Access restricted, limiting detailed measurements.	None required.	61	4.4	N/A
T	98	Common Hawthorn	2.6	0.5 N	1.1	1.6	1.2	1.6	60	70	75			3	EM	G	G	40+	C	1	Small multi-stemmed tree. Access to stems restricted by low canopy, limiting detailed measurements.	None required.	6.4	1.4	N/A
T	99	Common Hawthorn	3	0.5 N	1.5	2	2	1.5	80					6	EM	F	F	20+	C	1	Third party boundary tree. Access restricted, limiting detailed measurements.	None required.	17	2.4	N/A
T	100	Common Hawthorn	4.6	0 N	2.3	2	2.5	2.5	90	95				2	EM	G	F	40+	C	1	Third party boundary tree. Access restricted, limiting detailed measurements.	None required.	7.7	1.6	N/A
T	101	Sessile Oak	8.2	2.3	5	4.6	5	4.4	190	300	290			3	EM	G	F	40+	B	1,2	Third party boundary tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	95	5.5	N/A
T	102	Common Ash	15.2	3.7 SE	10	10	8	5.7	1500					1	M	F	F	20+	B	2,3	Large, prominent tree. Twin stems topped at approx. 5-6m, union at approx. 3.5m. Wound below this at west with decay pocket, partially occluded. Regrowth from topping points created new canopy - wide spreading, generally good vitality, minor dieback visible. Habitat value, due to age and size possible bat potential. Access restricted, limiting detailed measurements.	Re-inspect for safety/risk management purposes within 2 years, inspecting structural integrity of pollard points.	707	15.0	N/A
T	103	Apple	3	1.4 W	2	2	2	1.7	90	90				2	EM	G	G	40+	C	1	Third party small ornamental tree.Access restricted limiting detailed measurements.	None required.	7.3	1.5	N/A
T	104	Sargent Cherry	4.7	2 S	2.5	2.5	2.5	1	95	90	90			3	EM	F	F	20+	C	1	Third party small ornamental tree. Access restricted limiting detailed measurements.	None required.	11	1.9	N/A
T	105	Purple Maple	5.7	0.7 W	3.6	3.5	3.9	3.7	300					1	EM	G	G	40+	B	1,2	Third party garden tree. Good vitality. Access restricted, limiting detailed measurements.	None required.	41	3.6	N/A
T	106	Mountain Ash	8.9	1.7 N	4	6	3.3	3.5	100					10	M	G	F	40+	B	2	Third party large multi-stemmed specimen. Good vitality. Access restricted, limiting detailed measurements.	None required.	45	3.8	N/A
T	107	Common Hawthorn	2.5	1.7 W	2.2	3.5	3.3	3.3	150	120				2	M	G	G	40+	C	1	Third party small multi-stemmed garden tree. Access restricted limiting detailed measurements.	None required.	17	2.3	N/A
T	108	Common Holly	4.1	0.6 W	2.8	3	3	3.5	250					1	M	G	F	40+	C	1	Third party small garden tree. Access restricted limiting detailed measurements.	None required.	28	3.0	N/A

T	109	Tibetan Cherry	6.4	2.8 W	4.1	3.5	3.6	2.8	300					1	M	G	F	20+	B	1	Tree with good vitality located in neighbouring residential property. Previously topped at approximately 4m from ground level with regrown crown. Tree does not appear on topographical survey plan, plotted using GPS.	None required.	41	3.6	N/A
T	110	Common Oak	12.5	1.8 N	9.3	9.1	9.3	7.9	760					1	M	F	F	40+	B	1,3	Hedgerow tree with average form and vitality. Large cavity in lower stem, open to south up to 2m from ground level. Significant amounts of medium sized deadwood up to 120mm diameter in centre of crown. Several small cavities and split bark in upper crown that may be suitable for bat roosting.	If land use intensifies within canopy area of tree, shorten deadwood to approximately 1m in length, prior to intensification.	261	9.1	N/A
T	111	Sessile Oak	11.8	2.3 S	7.4	8.4	9	9.1	690					1	M	G	G	40+	A	1	Hedgerow tree with good form and vitality. Deadwood up to 100mm diameter and 3m length in lower crown. Minor browsing damage to bark on lower stem.	If land use intensifies within crown spread, shorten deadwood to approximately 1m in length, prior to intensification.	215	8.3	N/A
T	112	Common Hawthorn	5.6	1.5 W	2.6	2.9	2.9	2.5	180	200	130			3	M	F	G	40+	C	1	Hedgerow remnant tree, separate from rest of current hedge. Minor dieback in upper crown. Dog rose colonising south of crown, restricting growth.	None required.	40	3.6	N/A
T	113	Elder	4.1	2.5 S	2	1.6	1.3	1.5	180					1	EM	G	F	20+	C	1	Tree immediately adjacent to site boundary. Crown previously raised to provide clearance from adjacent gate. Good vitality in upper crown. Ivy covering stem to 2.5m from ground level.	None required.	15	2.2	N/A
T	114	Common Hawthorn	3.3	1.6 N	3.2	1.5	1.2	1.5	120	120	200			3	EM	F	F	20+	C	1	Tree located in neighbouring residential property with ivy significantly colonising crown, restricting growth. Previously topped at approximately 3m from ground level with minor regrowth visible.	None required.	31	3.1	N/A
T	115	Sycamore	3.9	1.4 W	2.1	2.5	2.1	2.6	450					1	M	F	F	20+	C	1	Tree located in adjacent residential property, previously topped at approximately 2.5m from ground level. Dense regrowth.	None required.	92	5.4	N/A
T	116	Common Hawthorn	3.8	1.6 W	2.1	2	1.7	2	130					6	EM	F	F	20+	C	1	Multi stemmed tree located in neighbouring residential property. Previously topped at approximately 3m from ground level with significant regrowth. Ivy covering stem to 2m from ground level.	None required.	46	3.8	N/A
T	117	Common Hawthorn	4.8	1.4 W	2.3	3	2.9	3.1	300					1	M	G	F	40+	C	1	Tree with good vitality immediately adjacent to site boundary fence. Previously topped, regrowth is dense and extensive.	None required.	41	3.6	N/A
T	118	Common Hawthorn	5.3	1.3 W	2.1	2.5	2.8	3.2	280					1	M	G	F	40+	C	1	Tree with good vitality immediately adjacent to site boundary fence. Previously topped, regrowth is dense and extensive.	None required.	35	3.4	N/A
T	119	Apple	4.8	0.8 W	3.6	2	2.4	2.2	140	100				2	EM	G	G	40+	C	1	Tree located in neighbouring residential property. Good form, vitality and fruit production.	None required.	13	2.1	N/A
T	120	Common Ash	5.7	2.1 N	2.3	2	2.1	1.9	90	90				2	SM	G	G	40+	C	1	Small twin stemmed tree with good vitality located within hedge at site boundary.	None required.	7.3	1.5	N/A
T	121	Common Ash	9.5	2.8 S	7.6	3.5	4.7	5.4	300	240				2	EM	P	F	10+	C	1	Hedgerow tree with extensive dieback in upper crown, consistent with Ash Dieback Disease. Approximately 75% live crown remaining.	If land use intensifies within falling distance of tree, reduce tree to height of hedge (5m), prior to intensification.	67	4.6	N/A

T	122	Whitebeam	9	2.7 N	4.6	4.3	4	4.7	150					8	M	G	F	40+	B	1	Multi stemmed tree with good vitality located immediately adjacent to site boundary fence. Lower branches previously pruned to north for clearance from crop field. Foliage to ground level. Several tight unions observed but no incipient failure observed.	If land use intensifies within falling distance of tree, re-inspect for safety/risk management purposes, prior to intensification.	81	5.1	N/A
T	123	Common Hawthorn	4.2	2.9 N	2.8	3.3	2.5	3.2	110	100	70	70	70	5	M	F	F	20+	C	1	Multi stemmed tree on motorway embankment adjacent to site boundary fence. Lower branches previously pruned to north for clearance from newly installed fence. Average vitality in crown.	None required.	17	2.3	N/A
T	124	Common Ash	6.1	2.1 E	2.6	2.2	2	2.4	140					1	SM	F	F	20+	C	1	Unremarkable tree located off site on motorway embankment.	None required.	8.9	1.7	N/A
T	125	Common Hawthorn	7.4	2.1 E	34	4	3.9	3.7	400					1	M	G	G	40+	B	1	Tree within hedgerow significantly larger than rest of hedge. Good vitality in upper crown. Stem bifurcates at 1.6m from ground level with tight union , but equal sized stems so risk of failure appears low.	None required.	72	4.8	N/A
T	126	Sessile Oak	14.3	2.3 N	10.2	10.1	6.7	10	670	550				2	M	G	G	40+	A	1,2	Large twin stemmed tree adjacent to post and wire fence. Good form and vitality throughout crown. Medium deadwood in centre of crown up to 120mm diameter and 1.5m in length. Drainage channel approximately 2m to east of stem with surface roots along its course. Good example of species.	None required.	340	10.4	N/A
T	1001	Sessile Oak	8.8	1.6 W	0.8	0.3	3.5	4.5	320					1	EM	F	F	20+	C	1,3	Tree on steep bank of stream, leaning significantly towards south-west, although self-corrected in upper crown and adapted to location on bank. Wire fence embedded within lower stem. Average vitality in crown. Several small cavities, approximately 100mm diameter, in lower stem offer habitat potential. Rooting constraint to south and west due to stream, therefore RPA amended.	None required in current context.	46	3.8	N/A
T	1002	Sycamore	9.1	4.2 S	0.9	0.7	4.5	2.6	200					1	EM	F	F	20+	C	1	Tree on northern bank of stream at edge of woodland. Small sized deadwood in centre of crown. Wire fence embeded within lower stem. Rooting constraint to south due to stream, therefore RPA amended.	None required in current context.	18	2.4	N/A
T	1003	Sessile Oak	13.3	1.4 S	1.6	2.5	8	4	430					1	EM	G	F	40+	B	1,2	Tree on steep northern bank of stream. Stem bifurcates at 2.2m from ground level. Medium sized deadwood up to 100mm diameter in southern crown. Wire fence embedded within lower stem. Rooting constraint to south due to stream, therefore RPA amended.	None in current context.	84	5.2	N/A
T	1004	Sycamore	8.6	6.5 S	0.2	0.9	4	2.5	210					1	EM	F	F	20+	C	1	Tree on steep northern bank of stream at woodland edge. Low bud density indicates reduced vitality. Rooting constraint to south due to stream, therefore RPA amended.	None required in current context.	20	2.5	N/A
T	1005	Sycamore	14.1	3.3 S	4.6	4.1	7.5	2.8	480					1	M	G	F	40+	B	1	Tree on steep southern bank of stream at edge of woodland. Good crown vitality. Stem bifurcates at 4m from ground level with tight union, good adaptive growth around union. Rooting constraint to north due to stream, therefore RPA amended.	If land use substantially intensifies within falling distance of tree, re-inspect stem bifurcation for risk management purposes prior to intensification.	104	5.8	N/A
T	1006	Common Hawthorn	5.6	0.5 E	2.2	2	2.5	2	110					1	EM	G	G	40+	C	1	Small woodland understorey tree with good vitality.	None required in current context.	5.5	1.3	N/A
T	1007	Sessile Oak	15.2	6.3 S	5.4	4.1	8	6.5	430					1	EM	G	F	40+	B	1	Tree on steep northern bank of stream, adapted to location by increased buttressing on uphill side. Good vitality in crown. Medium deadwood up to 80mm diameter in centre of crown. Rooting constraint to south due to stream, therefore RPA amended.	None required in current context.	84	5.2	N/A

T	1008	Sessile Oak	18.5	4.6 N	8.9	5.2	1.5	7.6	520					1	M	G	G	40+	B	1,2	Woodland tree on northern bank of stream. Crown weighted to north but adapted to location. Good crown vitality. Medium sized deadwood up to 100mm diameter in centre of crown. Rooting constraint to south due to stream, therefore RPA amended.	None required in current context.	122	6.2	N/A
T	1009	Common Hawthorn	5.7	0.4 N	2	2.6	2.5	1.8	90					1	SM	G	F	40+	C	1	Small tree on southern bank of stream. Good vitality, but suppressed form due to woodland shading. Rooting constraint to north due to stream, therefore RPA amended.	None required in current context.	3.7	1.1	N/A
T	1010	Ash	7.7	3.1 S	0.8	1.8	2.5	1.8	100					1	SM	G	G	20+	C	1	Small tree on southern bank of stream. Reduced vitality and suppressed form due to woodland shading. Rooting constraint to north, therefore RPA amended.	None required in current context.	4.5	1.2	N/A
T	1011	Sycamore	16	2.6 N	4.9	3.4	4.5	4.3	320					1	EM	F	F	20+	C	1	Tree on steep northern bank of stream. Average form and vitality. Rooting constraint to south due to stream, therefore RPA amended.	None required in current context.	46	3.8	N/A
T	1012	Sycamore	17.8	5.8 S	7.5	7.5	5	4.4	470	210	300			3	M	G	F	40+	B	1,2	Multi-stemmed tree on steep northern bank of stream. Largest stem bifurcates at 2.5m from ground level with tight union, good adaptive growth. Good bud density in upper crown despite shading from neighbouring tree. Extensive basal epicormic growth. Stream becomes shallow immediately east of tree, therefore unlikely to be a constraint to rooting and thus circular RPA retained.	None required in current context.	161	7.1	N/A
T	1013	Sycamore	17	2 S	0.5	6	9	6	500					1	M	G	F	40+	B	1,2	Tree with uneven crown on steep southern bank of stream at edge of woodland. Good vitality throughout southern crown. Extensive basal epicormic growth. Stream becomes shallow immediately east of tree, therefore unlikely to be a constraint to rooting and thus circular RPA retained.	None required in current context.	113	6.0	N/A
T	1014	Sycamore	8.6	4.2 S	6.7	6.1	6	0.5	180	180				2	EM	F	F	20+	C	1	Tree growing in boggy ground within shallow stream. Twin stemmed from ground level. Average form and vitality. Stream is shallow adjacent to tree, therefore unlikely to be a constraint to rooting and thus circular RPA retained.	None required in current context.	29	3.1	N/A
T	1015	Sycamore	15.5	1.1 S	7	3	8	2.8	310	320				2	M	G	F	40+	B	1,2	Twin stemmed tree on southern bank of shallow stream at edge of woodland. Surface roots visible on both sides of stream. Stem bifurcates close to ground level with tight union, good adaptive growth around union. Good vitality throughout crown. Stream is shallow adjacent to tree, therefore unlikely to be a constraint to rooting and thus circular RPA retained. Dog's Mercury growing at base of tree, which is an ancient woodland indicator species.	None required in current context.	90	5.3	N/A
T	1016	Common Hawthorn	5.5	1.2 W	2.3	3.1	2.9	3	120	100				2	EM	G	G	40+	C	1	Small tree on western bank of stream. Good crown vitality. Unable to fully access due to deep ditch and fence. Rooting constraint to east due to stream, therefore RPA amended.	None required in current context.	11	1.9	N/A
T	1017	Sessile Oak	10.9	2.9 W	3.7	0.5	3	10	320	380	350			3	M	G	F	40+	B	1	Woodland edge tree with good vitality on bank of stream. Well adapted to location on slope. Deadwood up to 80mm diameter in centre of crown. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	167	7.3	N/A
T	1018	Sessile Oak	6.3	3.3 W	4.2	1	1.4	7	250					1	EM	G	F	40+	C	1	Tree on bank of stream with very uneven crown spread due to shading by larger woodland trees. Good vitality in crown indicating adaptation to location. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	28	3.0	N/A
T	1019	Sessile Oak	16.7	1.8 N	6.7	1.4	6	7.5	580					1	M	G	F	40+	B	1,2	One of the larger trees in this area of the woodland. Located on slope. Uneven crown spread due to shading from woodland. Good vitality in western crown. Small sized deadwood in centre of crown. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	152	7.0	N/A
T	1020	Sessile Oak	8.1	4.5 W	3.9	0.2	3.5	8	200					1	EM	F	F	20+	C	1	Very uneven crown spread due to woodland shading. Phototropic growth indicates adaptation to location, however lower bud density than neighbouring trees. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	18	2.4	N/A

T	1021	Sycamore	8.2	1.7 W	4.2	1.9	5.4	7.5	380					1	M	G	F	20+	B	1	Tree growing from near vertical western bank of stream, well adapted to location. Good bud density indicating high vitality. Rooting constraint to east due to stream, therefore RPA amended. Further erosion of bank may lead to instability of tree.	None required in current context.	65	4.6	N/A
T	1022	Common Hawthorn	4.5	0	3.2	3	2.8	5	90	80	80	70		4	EM	G	F	20+	C	1	Multi-stemmed tree growing from near vertical western bank of stream, well adapted to location. Good crown vitality. Rooting constraint to east due to stream, therefore RPA amended. Further erosion of bank may lead to instability of tree.	None required in current context.	12	1.9	N/A
T	1023	Common Hawthorn	4.2	0	2	1.7	1.8	2	100	80	60	60		4	EM	F	F	20+	C	1	Multi-stemmed tree on steep eastern bank of stream. Average form and vitality. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	11	1.8	N/A
T	1024	Common Hawthorn	6.4	0	2.1	1	1.8	3.5	100	100	90	80		4	EM	F	F	20+	C	1	Tree located on steep eastern bank of stream. Previous partial stem failure, now stabilised in bank and adapted to location. Abundant epicormic growth suggests stress, although upper crown has good bud density. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	16	2.2	N/A
T	1025	Common Oak	17.3	3 W	5.3	3.5	6	5.5	470					1	M	G	F	40+	B	1	Woodland tree on steep eastern bank of stream. Abundant surface roots and buttressing indicating adaptation to location. Good vitality in upper crown. Medium sized deadwood up to 100mm diameter in centre of crown. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	100	5.6	N/A
T	1026	Field Maple	13.5	1.4 S	5.2	3.5	5.8		300	180	180	170	160	5	M	G	F	40+	B	1	Multi-stemmed tree at top of steep western bank of stream. Good crown vitality and adaptation to location. Tight unions close to ground level but abundant natural bracing in crown. Rooting constraint to east due to stream, therefore RPA amended. Further erosion of bank may lead to instability of tree.	None required in current context.	95	5.5	N/A
T	1027	Common Oak	11.5	3.8 W	4.1	0.6	5.7	6.5	320					1	EM	G	F	40+	B	1	Woodland edge tree on bank. Good crown vitality. Uneven crown spread due to shading from woodland, however tree adapted to location. Rooting constraint to east due to stream, therefore RPA amended.	None required in current context.	46	3.8	N/A
T	1028	Sessile Oak	5.7	2.1 W	4.9	0.3	2	6	130					1	SM	F	F	20+	C	1	Small tree with very uneven crown spread due to woodland shading. Lower bud density than larger neighbouring trees.	None required in current context.	7.6	1.6	N/A
T	1029	Sycamore	11.9	2.4 W	1.7	2	2.3	4.2	190	230				2	EM	F	F	20+	C	1	Twin-stemmed woodland tree with average form and vitality. Basal decay with good reaction growth around cavities of up to 200mm width, may be evidence of previous coppicing. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	40	3.6	N/A
T	1030	Sessile Oak	13.5	1.4 W	5.9	2.2	0.7	9.5	200	370				2	M	G	F	40+	B	1	Twin-stemmed tree on slope. Medium deadwood up to 100mm diameter in centre of crown. Uneven crown spread due to woodland shading. Buttressing and surface rooting is pronounced to east on uphill side of stem, indicating adaptation to location. Rooting constraint to west due to stream, therefore RPA amended.	None required in current context.	80	5.0	N/A
T	1031	Sessile Oak	14.6	8.2 W	4.3	4.2	4	4.3	290					1	EM	G	G	40+	B	1	Tree with straight stem and no branching until relatively high in crown. Good vitality in upper crown.	None required in current context.	38	3.5	N/A
T	1032	Common Horse Chestnut	15	3.9 W	6.7	5	5.5	6	730					1	M	G	G	40+	A	1	Large tree at edge of woodland. Good vitality, particularly for species. Vertical wound on west of lower stem up to 3m from ground level, good reaction at edge of wound, cavity currently 5cm wide. Some dark staining on north-west of stem at 0.8m from ground level, appears isolated. Sounding hammer investigation suggests sufficinet sound wood present. Good example of species. Stream is shallow, therefere unlikely to be a constraint to rooting thus circular RPA retained.	None required in current context.	241	8.8	N/A
T	1033	Mountain Ash	8.1	2.2 E	1.9	3.8	3.5	2.3	210					1	M	G	F	20+	B	1	Tree on bank of stream with basal cavity with a width approximately 70% of the stem diameter at that point, good adaptive growth. Further cavity, approximately 100mm diameter, on southern side of stem at 1.3m from ground level, reaction growth around cavity. Sounding hammer investigation suggests localised hollowing.	None required in current context.	20	2.5	N/A

T	1034	Sycamore	9.4	2.1 W	3.9	3.6	4.2	4.9	230	210	160			3	EM	P	P	<10	U		Kretzschmaria deusta decay fungi fruiting bodies to east of lower stems. Dark staining with white centre on all three stems. Bud density appears good but shoot extension growth is poor.	If tree is under the control of the client, reduce tree to 3m tall habitat pole within 6 months due to proximity to PRoW and risk of failure.	55	4.2	N/A
T	1035	Unknown	6.7	1.7 S	1.2	4.2	3.3	2.6	140	200	80			3	N/A	D	P	N/A	U		Dead tree at top of bank. Indicative RPA remains on plan as root severance may lead to instability of the tree.	None required in current context. Remove or reduce to 2-3m tall habitat pole if land use intensifies within falling distance of tree, prior to intensification.	30	3.1	N/A
T	1036	Sycamore	7.9	2.4 W	2.6	1.5	2.5	4.9	180	100				2	EM	F	F	20+	C	1	Twin stemmed tree with average vitality, on sloped bank.	None required in current context.	19	2.5	N/A
T	1037	Sycamore	7.8	2.8 E	2	4.2	1.5	1.4	190	170				2	EM	F	F	20+	C	1	Twin stemmed tree with average form and vitality on bank of stream. Stream is shallow, therefore not a likely constraint to rooting thus circular RPA retained.	None required in current context.	29	3.1	N/A
T	1038	Sycamore	9.2	4.2 E	1	2.5	2.7	2.3	180	160				2	EM	P	P	<10	U		Twin stemmed tree on western bank of stream. North-easternmost stem is dead, with the remaining crown having poor vitality. Both stems have dark staining and possible Kretzschmaria decay fungo fruiting bodies at stem base. Unable to fully access to north and east due to boggy ground.	None required in current context. If land use intensifies within falling distance, remove or coppice prior to intensification.	26	2.9	N/A
T	1039	Common Hawthorn	4.8	0.8 W	2.7	1.6	2.4	2.1	70					7	EM	F	F	40+	C	1	Multi-stemmed tree at edge of woodland. Average vitality, form and stature	None required in current context.	16	2.2	N/A
T	1040	Sycamore	12.8	1.6 W	2.7	3.7	6.5	5.3	430	370				2	M	F	F	20+	B	1	Woodland tree with signs of dieback in crown. Large area of basal decay on north side of stem. Decay appears very localised, as evidenced by probe and sounding hammer investigation. Likley saproxylic fungi on exposed dead wood at stem base.	None required in current context. If land use intensifies within falling distance of tree, re-inspect stem base and crown physiology prior to intensification.	146	6.8	N/A
T	1041	Sessile Oak	18.3	5.8 N	5.4	6.6	4.2	3.2	370					1	EM	G	G	40+	B	1	Woodland tree on slope with restricted crown spread due to shading. Good vitality in upper crown. Well adapted to location through buttressing on uphill side and surface roots traversing the slope.	None required in current context.	62	4.4	N/A

T	1042	Sycamore	13.1	3.4 N	5.1	1.6	6	3.5	310					1	EM	F	F	20+	C	1	Woodland edge tree with restricted crown spread due to shading. Stream is shallow adjacent to tree, therefore circular RPA retained.	None required in current context.	43	3.7	N/A
T	1043	Ash	13	2.9 S	5.5	4.8	7.5	5.2	440					1	M	G	G	40+	B	1,2	Tree at edge of woodland with high bud density indicating good vitality. Wire fence embeded within lower stem. Stream is shallow adjacent to tree, therefore circular RPA retained.	None required in current context.	88	5.3	N/A
T	1044	Common Hawthorn	4.1	1.7 S	0.4	1.8	6.4	3	170	110				2	M	F	F	40+	B	1	Woodland edge tree with uneven crown spread. Good crown vitality despite shading.	None required in current context.	19	2.4	N/A
T	1045	Common Hawthorn	6.2	0.4 W	1	4.1	5.7	3	210	150				2	M	G	F	40+	B	1	Woodland edge tree with good vitality. Uneven crown spread due to shading from woodland.	None required in current context.	30	3.1	N/A
T	1046	Hawthorn	7	N/A	3.3	3.5	1.5	2.8	90	90	70			3	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	9.5	1.7	N/A
T	1047	Hawthorn	7	N/A	0.9	2.9	2.3	3.7	110					1	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	5.5	1.3	N/A
T	1048	Hazel	4	N/A	1	5.2	1.5	5.5	75					8	EM	F	F	20+	C	2	Multi-stemmed tree with average vitality in group on bank of stream.	None required in current context.	20	2.5	N/A
T	1049	Hazel	4	N/A	1.3	1.8	1.1	1.8	75					1	SM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	2.5	0.9	N/A
T	1050	Mountain Ash	7	N/A	1.9	3.1	1.3	1	90					1	SM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	3.7	1.1	N/A
T	1051	Sycamore	7	N/A	1.5	1.9	2.2	1.8	90					1	SM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	3.7	1.1	N/A
T	1052	Sycamore	7	N/A	1.5	1.4	0.6	2.4	90	80				2	SM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	6.6	1.4	N/A
T	1053	Sycamore	7	N/A	0.5	1.5	1.9	1	80	60				2	SM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	4.5	1.2	N/A
T	1054	Hawthorn	7	N/A	1.2	0.7	0.8	2	100					1	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	4.5	1.2	N/A
T	1055	Hawthorn	7	N/A	0.8	1.2	1.9	2.3	120					1	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	6.5	1.4	N/A
T	1056	Hawthorn	7	N/A	2.4	4.3	1.6	2.2	90	80	70			3	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	8.8	1.7	N/A
T	1057	Sycamore	7	N/A	1.4	2.2	2.4	2.2	130					1	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	7.6	1.6	N/A
T	1058	Hawthorn	8	N/A	0.9	0.9	2.6	2.5	110					1	EM	F	F	40+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	5.5	1.3	N/A
T	1059	Sycamore	8	N/A	4	2.5	4	3.4	220	220	260			3	M	F	F	40+	B	2	Multi-stemmed tree with average form and vitality on sloped bank.	None required in current context.	74	4.9	N/A

T	1060	Hawthorn	8	N/A	1.4	2.2	1.7	3.8	110	100	80			3	M	F	F	40+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	13	2.0	N/A
T	1061	Hawthorn	8	N/A	2.2	1.9	2	4.9	180	180				2	M	F	F	40+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	29	3.1	N/A
T	1062	Hawthorn	8	N/A	2.8	2.1	1.8	3.2	90	80				2	EM	F	F	40+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	6.6	1.4	N/A
T	1063	Ash	8	N/A	3.8	3.3	2.6	5.4	190					1	EM	F	F	20+	C	2	Tree with average form and vitality in group on bank of stream.	None required in current context.	16	2.3	N/A
G	1	Ash	3.7	1 W	Plotted using GPS				75	90	100			3	EM	F	F	10+	C	2	Varying degrees of dieback from minimal to less than 25%. Small, single and multi-stemmed tree group between woodland blocks. Access restricted by ground vegetation, limiting detailed measurements.	None required.	RPA to edge of canopy.		N/A
G	2	Hawthorn, ash	4	0 W	Plotted using GPS				95					6	SM-EM	G	F	40+	C	2	Multi-stemmed hawthorn, excellent vitality. Small single-stemmed ash growing up through and adjacent north, minor dieback except at very north east. Access restricted due to low canopy, limiting detailed measurements.	None required.	RPA to edge of canopy.		N/A
G	3	Ash, hawthorn.	3	0 W	Plotted using GPS				70					6	Y-EM	G	F	40+	C	2	Small multi-stemmed trees. Hawthorn excellent vitality, ash minor dieback. Access restricted due to low canopy, limiting detailed measurements.	None required.	RPA to edge of canopy.		N/A
G	4	Hawthorn.	2.3	0 W	Plotted using GPS				100					1	EM	G	F	40+	C	2	Small trees. Excellent vitality. Stem diameter estimated due to low canopy.	None required.	RPA to edge of canopy.		N/A
G	5	Hawthorn	2.5	0 W	Plotted using GPS				150					1	EM	G	F	40+	C	2	Small hawthorns. Stem diameter estimated due to low canopies.	None required.	RPA to edge of canopy.		N/A
G	6	Sycamore, hawthorn.	7.3	0 S	Plotted using GPS				100	200	130	130		4	SM-EM	G	F	40+	C	1,2	Outgrown multi-stemmed former hedgerow trees. Excellent vitality. Adjacent and overhanging busy road at south of group. Stem diameter estimated due to location and low canopy.	None required.	RPA to edge of canopy.		N/A
G	7	Hawthorn	2.2	0 W	Plotted using GPS				150					1	EM	G	F	40+	C	1	Dome shaped canopy, multi-stemmed. Excellent vitality. Stem diameter estimated due to low canopy.	None required.	RPA to edge of canopy.		N/A
G	8	Hawthorn, ash	4.1	0 S	Plotted using GPS				95					6	SM	G	F	40+	C	2;1	Small multi-stemmed trees. Hawthorn excellent vitality, ash also appears very healthy, ash set back from boundary and not overhanging site. Stem diameters estimated due to low canopy.	None required.	RPA to edge of canopy.		N/A
G	9	Sycamore, hawthorn, elder, hazel, oak, ash.	19.9	1.5 S	Plotted using topographical plan and GPS				850					1	EM-M	G	F	40+	A	2,3	Field boundary group. Good vitality. Medium to large trees, ivy on several stems, smaller hawthorn between larger oak and sycamore. Some elder and hazel at eastern end and holly at western end. Likely at least partly made up of outgrown former hedgerow trees. Group canopies form tunnel over road together with group G10 on northern side. Habitat, conservation, connectivity, shade and screening value. Ash at western extent - dieback evident, less than 25%. Flailed on roadside from near eastern extent to western extent to c. 3m. Access to trees restricted due to location on banking adjacent road, vegetation and field boundary fencing limiting detailed measurements.	Re-inspect for safety/risk management purposes when trees are in full leaf within 18 months of this survey.	RPA 5.3m from edge of canopy, except to edge of road.		N/A
G	10	Oak, sycamore, hawthorn, hazel,.	12.4	1.5 N	Plotted using topographical plan and GPS				950					1	EM-M	G	F	40+	A	2,3	Field boundary group. Good vitality. Forming tunnel over road together with G9 canopies at south. Bluebells on banking on roadside at east. Access to trees restricted due to location and vegetation, limiting some detailed measurements.	None required.	RPA 3.1m from edge of canopy, except to edge of road.		N/A
G	11	Hawthorn, elder.	3	0 S	Plotted using GPS				200					1	EM	G	F	40+	C	2	Small group on field boundary, good vitality. Multi-stemmed. Access restricted by low canopy, limiting detailed measurements.	None required.	RPA to edge of canopy.		N/A

G	12	Oak	15	0 W	Plotted using GPS	800					1	M	F	F	40+	B	3;2	Two oak trees. Eastern large limb failure, mature 800mm stem diameter. Western stem 630mm diameter, wound in stem at east at approx. 0.5 to 1.5m. Both on slope adjacent to woodland.	If land use intensifies within falling distance of the two trees, Re-inspect for safety/risk management purposes prior to land use intensification.	RPA 1.3m from edge of canopy.	N/A
G	13	Ash	7	1 N	Plotted using GPS	120					1	SM-EM	F	F	10+	C	2	Two upright, single-stemmed ash, dieback evident but minor. Ash Dieback Disease lesions potentially on larger tree at south stem at approx. 1.7m.	If land use intensifies within falling distance of trees, Re-inspect for safety/risk management purposes within prior to land use intensification at same time as adjacent trees being assessed.	RPA to edge of canopy.	N/A
G	14	Hawthorn, ash, elder, blackthorn.	6.5	0 W	Plotted using topographical plan and GPS	400					1	EM-M	G	F	40+	B	2,3	Linear boundary group. Likely outgrown former hedgerow. Medium-sized to large multi-stemmed mature hawthorn trees. Smaller multi-stemmed elder. Excellent vitality. Failed stem towards northern end into field at south where canopy juts out, live canopy over dead failed stem from adjacent tree at north. Access restricted limiting detailed measurements. Crown spread 6.3m.	Re-inspect for safety/risk management purposes within 12 months of the trees adjacent to the school grounds.	RPA to edge of canopy.	N/A
G	15	Hawthorn, elder	6	0 E	Plotted using topographical plan and GPS	350					1	EM-M	F	F	40+	C	2	Field boundary group. Access restricted limiting detailed measurements.	None required.	RPA 0.8m from edge of canopy.	N/A
G	16	Hawthorn.	5.4	0.3 S	Plotted using topographical plan and GPS	240					1	M	F	P	20+	B	3	Two, likely outgrown former hedgerow trees, on boundary. Both with significant lean to east. Eastern tree good vitality. Western tree taller, leaning over eastern tree, significantly decayed - cracks and splits evident on northern side, extensive dieback in crown.	If land use intensifies within falling distance of trees, Re-inspect for safety/risk management purposes prior to land use intensification	RPA to edge of canopy.	N/A
G	17	Hawthorn, elder.	5.8	0.2 S	Plotted using topographical plan and GPS	410					1	SM-M	F	F	20+	B	2,3	Hawthorn with dieback and decay in stem at northeast, decay at base beginning to form cavity. Adjacent multi-stemmed small elder with good vitality.	If land use intensifies within falling distance of trees, Re-inspect for safety/risk management purposes prior to land use intensification	RPA 0.5m from edge of canopy.	N/A

G	18	Hawthorn, elder.	6.5	0 N	Plotted using topographical plan and GPS	500					1	M	F	F	40+	B	2,3	Linear boundary group. Likely outgrown former hedgerow trees. Good vitality. Multi-stemmed. Elder at western extent of group. Stem diameter estimated due to location and low canopy.	None required.	RPA 2.8m from edge of canopy.	N/A
G	19	Hawthorn, elder.	5	0 SW	Plotted using topographical plan and GPS	100	200	200	250	100	5	Y-M	G	F	40+	B	3;2	Mature hawthorn with split at base and smaller young trees surrounding base. One is an elder at west. Excellent vitality. Outgrown former hedgerow tree likely. Stem diameters estimated due to low canopy and crossing fused stems.	If land use intensifies within falling distance of trees, Re-inspect for safety/risk management purposes prior to land use intensification	RPA 0.8m from edge of canopy.	N/A
G	20	Hawthorn, elder.	4.5	0 S	Plotted using topographical plan and GPS	450					1	SM-M	G	F	20+	B	2,3	Likely outgrown former hedgerow tree. Excellent vitality. Split and decay in kinked main stem at base at north. Small elder within canopy at southwest. Stem diameter estimated due to low canopy and fence.	If land use intensifies within falling distance of trees, Re-inspect for safety/risk management purposes prior to land use intensification	RPA 2.6m from edge of canopy.	N/A
G	21	Elder, ash, hawthorn.	4.1	0 S	Plotted using GPS and aerial photography for northern extent	75					6	EM	G	F	40+	C	2	Boundary group. Likely outgrown former hedgerow. Small multi-stemmed trees. Access restricted due to location, boundary fencing and low canopies, limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	22	Hawthorn, ash.	5.2	0 S	Plotted using GPS and aerial photography for northern extent	90					6	SM-M	G	F	40+	C	2	Short boundary group, likely outgrown former hedgerow. Multi-stemmed small trees. Ash minimal dieback. Access restricted due to low canopies and location on boundary, limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	23	Hawthorn, ash.	6.3	0 S	Plotted using GPS and aerial photography for northern extent	100	120	130			3	EM-M	G	F	40+	C		Short boundary group, likely outgrown former hedgerow. Multi-stemmed trees. Ash minimal dieback. Hawthorn good vitality. Dog rose within and at south. Access restricted due to location on boundary and low canopies.	None required.	RPA to edge of canopy.	N/A
G	24	Cherry, birch, buddleia, Portuguese laurel.	9.8	0 S	Plotted using GPS, topographical survey plan and aerial photography for northern and western extent	280	180	170	220	100	5	EM-M	G	F	40+	C	2	Boundary group. Multi-stemmed. One laurel - small, shrubby multi-stemmed garden tree - on third party land, behind garden fence but overhanging site, at eastern extent of group. Access restricted due to location on boundary and low canopies. 5.8m extent into site from estimated largest stem.	None required.	RPA 1.8m from edge of canopy.	N/A
G	25	Guelder rose, rowan, cypress, cotoneaster, pink hawthorn.	3.5	0 S	Plotted using GPS and aerial photography for northern extent	50					6	EM-M	G	F	40+	C	2	Small garden trees and shrubs but within site, forming low group. Columnar cypress and shrubs within adjacent back garden. Access restricted due to low canopies and boundary fencing.	None required.	RPA to edge of canopy.	N/A
G	26	Willow, ash, sycamore, birch.	12.2	0 S	Plotted using GPS, topographical survey plan and aerial photography for northern and eastern extent	350	490				2	EM	G	F	40+	B	2	Boundary group. Mostly single-stemmed, medium-sized trees. Dieback evident on ash - less than 25%. Access restricted due to location on boundary, low canopies and vegetation, limiting detailed canopy measurements. 7.6m.	Re-inspect for presence of Ash Dieback Disease within 2 years. Note, inspections for Ash Dieback Disease are to be carried out during the summer months when the trees are in leaf.	RPA 1.6m from edge of canopy.	N/A

G	27	Cypress, Japanese maple.	2.9	0.5 W	Plotted using GPS and aerial photography for eastern extent	75					6	EM-M	F	F	40+	C	2	Third party garden small tree and shrubs. Access restricted by low canopy and garden boundary fencing, limiting detailed measurements. 2m canopy from stem	None required.	RPA to edge of canopy.	N/A
G	28	Honey locust, variegated holly.	5.1	0 W	Plotted using GPS and aerial photography for eastern extent	180					1	EM-M	P	P	<10	U		Third party. Small tree with extensive dieback, small holly bush multi-stemmed. Access restricted due to location within garden, boundary wall and low holly canopy, limiting detailed measurements.	N/A, as outside site boundary.	RPA to edge of canopy.	N/A
G	29	Photinia	1.6	0 W	Plotted using GPS and aerial photography for eastern extent	80					1	SM	F	F	10+	C		Small unremarkable garden shrubs on neighbouring residential property.	None required.	RPA to edge of canopy.	N/A
G	30	Hawthorn	2.8	0 SE	Plotted using GPS	180					1	EM-M	G	F	40+	C	2	Small multi-stemmed trees. Good vitality. Access restricted by low canopies, limiting detailed measurements.	None required.	RPA 0.2m from edge of canopy.	N/A
G	31	Hawthorn, ash, cherry.	5.5	0 NW	Plotted using GPS	100	120	130	90		4	EM-M	F	F	20+	C	2	Field boundary group, likely outgrown former hedgerow trees. Ash dieback less than 25%. Hawthorn and cherry healthy. Access restricted limiting detailed measurements.	If land use intensifies near the ash , inspect for Ash Dieback Disease prior to land use intensification when in leaf.	RPA to edge of canopy.	N/A
G	32	Hawthorn, ash, elder.	7.4	0 SW	Plotted using GPS	350	400				2	EM-M	F	F	40+	C	2	Linear field boundary group, likely outgrown former hedgerow trees. Ash with extensive dieback, hawthorn excellent vitality. Access restricted limiting detailed measurements.	If land use intensifies near the ash , inspect for Ash Dieback Disease prior to land use intensification when in leaf.	RPA 2.4m from edge of canopy.	N/A
G	33	Hawthorn	5.1	0 SW	Plotted using GPS	100					6	EM-M	G	F	40+	C	2	Likely outgrown former hedgerow trees. Excellent vitality. Access restricted by low canopies limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	34	Hawthorn.	4.2	0 W	Plotted using GPS	95					6	EM	G	F	40+	C	2	Likely outgrown former hedgerow trees, good vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of canopy.	N/A
G	35	Goat willow, hawthorn.	7	2.5 SW	Plotted using GPS	190					1	EM-M	G	F	40+	C	2	Likely outgrown former hedgerow trees, one larger willow and one smaller hawthorn. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	36	Sycamore, hawthorn.	9.2	1.9 W	Plotted using GPS	95	250	300	250	130	5	EM-M	G	F	40+	C	2	Likely outgrown former hedgerow trees. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 2.4m from edge of canopy.	N/A
G	37	Hawthorn.	5.3	0 W	Plotted using GPS	150					1	EM	G	F	40+	C	2	Three multi-stemmed trees close to garden boundaries. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	38	Beech, ash	7.2	0 W	Plotted using GPS	150	150				2	EM	F	F	20+	C	2	Third party garden boundary trees. Ash with dieback evident at tips of canopy, less than 25% overall. Beech healthy. Access restricted limiting detailed measurements.	Re-inspect for deterioration due to Ash Dieback Disease prior to land use intensification on site.	RPA 0.5m from edge of canopy.	N/A

G	39	Lilac, cherry laurel	3.9	1.3 W	Plotted using GPS, topographical survey plan and aerial photography for northern extent	95					6	EM-M	G	F	20+	C	2	Third party garden boundary, multi-stemmed shrubs. Access and view restricted by wooden boundary fencing, limiting detailed measurements. Overhanging site at north by 0.8m	None required.	RPA to edge of canopy.	N/A
G	40	Elder, hawthorn, elm.	7.7	0 E	Plotted using GPS and topographical survey plan	400					1	EM-M	F	F	40+	B	2	Field boundary group. Mostly multi-stemmed, likely outgrown former hedgerow trees. Mostly good vitality, Minor crown dieback in places. Access restricted limiting detailed measurements.	None required.	RPA 1.8m from edge of canopy.	N/A
G	41	Hawthorn.	5.8	0 E	Plotted using GPS and topographical survey plan	95					6	EM-M	G	F	40+	C	2	Short linear field boundary group, likely outgrown former hedgerow section. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	42	Hawthorn, oak, gorse, elder, ash.	8	0 E	Plotted using GPS and topographical survey plan	100					6	EM-M	F	F	40+	B	2,3	Field boundary group. Scrub on eastern field side in several places, on western field side at south. Honeysuckle and dog rose within some canopies. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	43	Hawthorn, elder, ash.	9	0 E	Plotted using GPS and topographical survey plan	300					1	EM-M	F	F	40+	B	2	Field boundary group. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	44	Sycamore, silver birch, hawthorn, ash	13	0.5 SW	Plotted using GPS and topographical survey plan	640					1	EM-M	F	F	40+	B	2,3	Outgrown multi-stemmed former hedgerow mature hawthorns, with one ash and one sycamore at west, browsing damage on stems, dieback evident on ash, estimated at less than 50%, high canopy. Large oak in centre recorded as individual. Birch trees at east. Adjacent public footpath. Access restricted by low canopies, detailed measurements limited.	Re-inspect ash for deterioration due to ash dieback disease within 18 months. Note, inspections for Ash Dieback Disease are to be carried out during the summer months when the trees are in leaf.	RPA 0.8m from edge of canopy.	N/A
G	45	Cherry laurel, hawthorn.	3.5	0.5 W	Plotted using aerial photography	250					1	EM	G	F	40+	C	2	Third party, garden boundary trees. Excellent vitality. Stem diameter estimated due to location on other side of fence but with canopies extending into site.	None required.	RPA to edge of canopy.	N/A
G	46	Ash, hawthorn	9.1	0 S	Plotted using GPS and topographical survey plan	250	300	350			3	EM-M	F-G	F	10+	C	2;1	Field boundary group, roadside multi-stemmed trees. Good vitality, apart from ash with minor dieback. Stem diameters estimated due to location.	None required.	RPA 0.7m from edge of canopy. Northern extent to road edge.	N/A
G	47	Hawthorn.	4.4	0.6 W	Plotted using GPS and aerial photography to east	100					6	EM	G	F	40+	C	2	Small multi-stemmed trees. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	48	Hawthorn, elder.	7.2	1.3	Plotted using GPS and topographical survey plan	200	200	200			3	EM-M	F	F	40+	C	2	Small multi-stemmed elder on boundary and third party multi-stemmed hawthorns in row running away from boundary - not overhanging site but roots likely extend into site. Access restricted limiting detailed measurements.	None required.	RPA 0.9m from edge of canopy.	N/A
G	49	Common Hawthorn	5.1	0.5 W	Plotted using GPS	200	150				2	EM	G	F	40+	C	2	Small multi-stemmed trees. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	50	Blackthorn.	6.4	0 S	Plotted using GPS, topographical survey plan and aerial photography to north	95	100				2	EM-M	F	F	40+	C	2	Outgrown multi-stemmed blackthorn and low clipped blackthorn in field side. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	51	Hawthorn, elder.	4.5	0 S	Plotted using GPS and topographical survey plan	70					10	EM-M	G	F	40+	C	2	Third party multi-stemmed trees. Boundary group. Dog rose coming through canopies in places. Access restricted limiting detailed measurements.	None required.	RPA 0.2m from edge of canopy.	N/A
G	52	Hawthorn	3.7	0 S	Plotted using GPS and topographical survey plan	80					6	EM	G	F	40+	C	2	Boundary group. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A

G	53	Hawthorn, elder.	7.6	0.5 S	Plotted using GPS and topographical survey plan	350					1	EM-M	F	F	40+	B	2	Third party, mostly multi-stemmed trees. Field boundary group. Ivy obscuring stems, access restricted limiting detailed measurements.	None required.	RPA 0.7m from edge of canopy.	N/A
G	54	Blackthorn.	3.7	0 SE	Plotted using GPS, topographical survey plan and aerial photography to north	150	120				2	M	F	F	40+	C	2	Outgrown blackthorn hedge. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	55	Hazel, hawthorn, blackthorn.	5.1	0 S	Plotted using GPS, topographical survey plan and aerial photography to north	75					6	EM-M	G-D	G-D	40+	C	2	Boundary group. Varied condition from good to dead. Access restricted limiting detailed measurements.	If land use intensifies near the dead trees and these are within the site boundary, fell prior to land use intensification.	RPA to edge of canopy.	N/A
G	56	Elder, hawthorn.	3.7	1.9	Plotted using GPS and aerial photography	230	250				2	EM-M	F	F	40+	C	2	Third party group of two multi-stemmed trees. Elder closest to site, overhanging site by approx. 3m. Dieback evident on elder, minor dieback on hawthorn. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	57	Hawthorn, elder.	7.7	0.2 SE	Plotted using GPS and aerial photography	250	250				2	EM-M	G	F	40+	B	1,2	Third party trees. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	58	Goat willow, cypress.	8	1.6	Plotted using GPS and aerial photography	300					1	EM	G	G	40+	B	2	Third party garden trees. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	59	Dogwood	3.6	1 S	Plotted using GPS and aerial photography	60					10	EM	F	F	40+	C	2	Third party large shrubs along boundary. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	60	Blackthorn.	4.2	0 E	Plotted using GPS and aerial photography	95					6	M	G	F	40+	C	2	Outgrown blackthorn boundary group. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	61	Willow, pear, snowberry.	8.8	0.7 E	Plotted using GPS and aerial photography	200	250	250	250		4	EM	F-G	F	40+	C	2	Third party garden boundary trees. One small tree in decline otherwise good vitality. Access restricted limiting detailed measurements. Canopy overhanging site by c. 3.1m	None required.	RPA 0.7m from edge of canopy.	N/A
G	62	Pine, sycamore.	5.7	1.7 N	Plotted using GPS and aerial photography	500					1	EM-M	G	F	40+	B	2	Third party trees. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 2.2m from edge of canopy.	N/A
G	63	Purple maple, horse chestnut.	5.3	1.3 E	Plotted using GPS and aerial photography	150					1	EM	G	F	40+	C	2	Third party garden trees. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	64	Crack willow	9.2	0 E	Plotted using GPS and aerial photography	100					10	EM	G	F	40+	C	2	Multi-stemmed boundary trees. Good vitality and vigour. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A

G	65	Hawthorn, ash, apple, elder, beech.	6	0 NE	Plotted using GPS and aerial photography	250	200				2	EM-M	P-G	F	40+	B	2	Field boundary group. Dieback on beech specimens and ash tree at eastern extent - less than 25% dieback, though. Hawthorn good vitality. Screening and habitat connectivity value. Access restricted limiting detailed measurements.	If within the site boundary, re-inspect for safety/risk management purposes within 2 years when trees are in full leaf.	RPA to edge of canopy.	N/A
G	66	Sycamore, ash, hawthorn, rowan.	10.8	0.4 E	Plotted using GPS and aerial photography	500					1	EM	F	F	40+	B	2	Boundary group. Good vitality except ash with dieback - less than 25%. Access restricted by boundary fencing in places and dense vegetation, limiting detailed measurements. Viewed from accessible parts of site.	If within the site boundary, re-inspect ash trees for deterioration due to Ash Dieback Disease within 2 years. Note, inspections for Ash Dieback Disease should be carried out during the summer months when the trees are in leaf.	RPA 2.5m from edge of canopy.	N/A
G	67	Pine, sycamore, hawthorn, birch, ash, rowan.	10.1	0 E	Plotted using GPS and aerial photography	350	250	250			3	EM-M	G	F	40+	B	2	Boundary group. Good vitality, even ash. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of canopy.	N/A
G	68	Hawthorn, ash.	4	0 E	Plotted using GPS and aerial photography	75					6	EM	G	F	40+	C	2	Small multi-stemmed trees. Good vitality, even ash. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	69	Sycamore, hawthorn, elder, cherry laurel, ash.	10.1	0 E	Plotted using GPS and aerial photography	500					1	EM-M	G	F	40+	B	2	Boundary group. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	70	Hawthorn.	3.9	0 S	Plotted using GPS and aerial photography	70					6	EM	G	F	40+	C	2	Field boundary trees, grown out due to location adjacent telephone poles. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of canopy.	N/A
G	71	Hawthorn.	3.1	0 E	Plotted using GPS and aerial photography	90	80	75	80	90	5	EM	G	F	40+	C	2	Multi-stemmed hawthorn, outgrown adjacent pole. Access restricted limiting detailed measurements.	None required.	RPA 0.7m from edge of canopy.	N/A
G	72	Sycamore, blackthorn, hawthorn, field maple, elder, ash.	6.2	0 E	Plotted using GPS and topographical survey plan	350					1	EM-M	F-G	F	40+	B	2	Boundary trees around bus turning area. Good vitality, even ash with only minor dieback. Access restricted limiting detailed measurements.	Monitor ash trees for Ash Dieback Disease and re-inspect within 2 years when the ash trees are in leaf.	RPA 0.4m from edge of canopy.	N/A
G	73	Ash, sycamore, field maple, elder, hawthorn, hazel.	11.2	0 E	Plotted using GPS and topographical survey plan	500					1	EM-M	G	F	40+	B	2	Boundary group along field side and highway. Good vitality, even ash with only minor dieback. Access restricted limiting detailed measurements.	Monitor ash trees for Ash Dieback Disease and re-inspect within 2 years when the ash trees are in leaf.	RPA 2m from edge of canopy.	N/A

G	74	Oak, ash.	6.2	0.3 E	Plotted using GPS	160					1	SM	G	G	40+	C	2	Field boundary group. Two small trees, ash smallest at east - minor dieback. 2.7m canopy extents from largest stem.	None required.	RPA to edge of canopy.	N/A
G	75	Hawthorn.	4.7	0 W	Plotted using GPS	120					6	EM	G	F	40+	B	2	Likely outgrown former hedgerow. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	76	Ash, goat willow, sycamore, hawthorn.	7.8	0 E	Plotted using GPS, topographical survey plan and aerial photography to north	300	350	350			3	EM	F	F	40+	B	2	Boundary screening group. Good vitality except for Ash trees which have signs of dieback but less than 25% on any individual tree. Access restricted limiting detailed measurements.	Monitor ash trees for Ash Dieback Disease and re-inspect within 2 years when the ash trees are in leaf.	RPA to edge of canopy.	N/A
G	77	Oak, ash, cherry.	6.5	0 N	Plotted using GPS, topographical survey plan and aerial photography	500	200	150	200		4	EM	G	F	40+	B	2	Field boundary group, edge of motorway. One medium sized oak, ash at west by road - only minor dieback visible except for one small standing dead tree at southwest. Access restricted limiting detailed measurements.	Monitor ash trees for Ash Dieback Disease and re-inspect within 2 years when the ash trees are in leaf.	RPA to edge of canopy.	N/A
G	78	Ash, oak.	8	0.2 W	Plotted using GPS and topographical survey plan	450	350	150	110		4	EM-M	G	F	40+	B	2	Multi-stemmed likely outgrown former hedgerow trees, oak and ash. Ash with dieback evident, less than 25%, overall canopy foliage in good health. Access restricted limiting detailed measurements.	Monitor ash trees for Ash Dieback Disease and re-inspect within 2 years when the ash trees are in leaf, if land use intensifies near the ash.	RPA 1.1m from edge of canopy.	N/A
G	79	Oak, hawthorn.	4.8	0 W	Plotted using GPS, topographical survey plan and aerial photography	230					1	SM-EM	G	F	40+	C	2	Field boundary group between site and motorway. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	80	Ash, hawthorn.	10.4	0 W	Plotted using GPS, topographical survey plan and aerial photography	400					1	EM	G	F	40+	B	2	Field boundary group, likely outgrown former hedgerow. Ash good condition, some dieback on some hawthorns - two standing dead trees noted, one partially failed leaning on adjacent stems. Access restricted limiting detailed measurements.	Prior to land use intensification near the trees, remove partially failed leaning tree.	RPA 1.3m from edge of canopy.	N/A
G	81	Hawthorn.	3.9	0.8 SW	Plotted using GPS and topographical survey plan	200					1	M	P	P	<10	U		Extensively dieback of trees within hedge line. Access restricted limiting detailed measurements.	Prior to land use intensification near the trees, remove.	RPA to edge of canopy.	N/A
G	82	Hawthorn.	6.6	0 W	Plotted using GPS, topographical survey plan and aerial photography	200					1	EM-M	F	F	20+	C	2	Field boundary group- outgrown hedgerow section. Dieback on several hawthorn. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of canopy.	N/A
G	83	Hawthorn.	4.5	0.3 NW	Plotted using topographical survey plan	180	180				2	EM	G	F	40+	C	2	Third party boundary group. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 1m from edge of canopy.	N/A
G	84	Hawthorn, ash, elder.	6.5	0 S	Plotted using GPS, topographical survey plan and aerial photography	390					1	EM-M	G	F	40+	B	2	Field boundary group - outgrown hedgerow section. Ash very minor dieback visible. Access restricted limiting detailed measurements.	None required.	RPA 2.2m from edge of canopy.	N/A

G	85	Ash, hawthorn.	11.4	0 N	Plotted using topographical survey plan	250	300	250			3	EM	F	F	20+	C	2	Boundary group. Ash with minor dieback, medium-sized tree. Access restricted limiting detailed measurements.	Prior to land use intensification near the trees, re-inspect ash for progression of Ash Dieback Disease.	RPA to edge of canopy.	N/A
G	86	Hawthorn.	6	0.3 N	Plotted using GPS, topographical survey plan and aerial photography	250					1	M	G	F	40+	C	2	Third party trees on boundary.. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	87	Hawthorn.	5	0.6 N	Plotted using GPS and aerial photography	110					6	M	G	F	40+	C	2	Third party trees on boundary.. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	88	Hawthorn.	5.6	0.3 N	Plotted using GPS, topographical survey plan and aerial photography	120	150	200			3	M	G	F	40+	C	2	Third party trees on boundary.. Access restricted limiting detailed measurements.	None required.	RPA 0.1m from edge of canopy.	N/A
G	89	Hawthorn.	4.9	0.2 N	Plotted using GPS, topographical survey plan and aerial photography	120	150				2	M	G	F	40+	C	2	Boundary group. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	90	Hawthorn, whitebeam.	5.7	0.1 N	Plotted using GPS, topographical survey plan and aerial photography	100	120	120			3	EM-M	G	F	40+	C	2	Third party. Boundary group. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	91	Hawthorn.	4	0.6 S	Plotted using GPS, topographical survey plan and aerial photography	300					1	M	G	F	40+	C	2	Outgrown former hedgerow, small trees developing. Good vitality with some dieback and dead and failed stems in places. Browsing and horse rubbing damage. Clear stems to approx. 1.5m along length of group/outgrown hedge. Access restricted limiting detailed measurements.	Advise fencing to prevent further damage from grazing animals.	RPA 1.4m from edge of canopy.	N/A
G	92	Cherry, hawthorn, ash.	4.3	1.5 N	Plotted using GPS and aerial photography	120	120				2	SM-EM	G	F	40+	C	2	Mostly third party group, one cherry within site, one larger cherry just overhanging site. Ash with minor dieback. Access restricted limiting detailed measurements.	None required.	RPA to edge of canopy.	N/A
G	93	Ash, hawthorn, elder.	11	0 S	Plotted using GPS, topographical survey plan and aerial photography	350					1	SM-EM	F	F	10+	C	2	Linear boundary group. Ash with dieback - less than 25%. Access restricted limiting detailed measurements.	Re-inspect for safety/risk management purposes , including assessing for Ash Dieback Disease within two year when the trees are in full leaf due to proximity to neighbouring properties.	RPA 0.9m from edge of canopy.	N/A
G	94	Hawthorn, elder.	5.5	0 S	Plotted using GPS and aerial photography	350					1	EM-M	F-G	F	40+	C	2	Boundary group adjacent to car park. Elder with dieback. Access restricted limiting detailed measurements.	None required.	RPA 1.2m from edge of canopy.	N/A
G	95	Cypress	2.5	0 S	Plotted using GPS and aerial photography	200					1	EM	G	F	40+	C	2	Small garden trees, eastern larger tree almost completely covered in climbing plant Access restricted limiting detailed measurements.	None required.	RPA 1.1m from edge of canopy.	N/A
G	96	Leyland cypress, Elder, Hawthorn, Ash, Goat willow, Sycamore	9.3	0	Plotted using GPS, topographical survey plan and aerial photography	230					1	SM-EM	G-D	F	40+	C	2	Mixed species group of trees at site boundary adjacent to fence. Gate in centre of group. Dead tree within group as shown on TPP. Good vitality throughout remaining group. RPA 0.6m from canopy edge.	If within the site boundary and if land use intensifies near to the trees, fell dead trees prior to land use intensification.	RPA 0.6m from edge of canopy.	N/A

G	97	Common oak	3.6	1.7 W	Plotted using GPS, topographical survey plan and aerial photography	100	120	90			3	SM	F	F	20+	C	2	Group of small trees located at site boundary. Poor form due to topping and pruning. RPA to canopy edge.	If to be retained, undertake formative pruning to encourage improved form within the next 3 years.	RPA to edge of canopy.	N/A
G	98	Holly, Ash, Sycamore, Field maple	4.6	0	Plotted using GPS and aerial photography	120					1	Y-EM	G	G	40+	C	2	Small, dense group of unremarkable trees. Self seeded saplings at group edge. RPA to canopy edge.	None required.	RPA to edge of canopy.	N/A
G	99	Wild cherry, Ash	12.1	2.1 N	Plotted using GPS and aerial photography	230					1	EM	G	G	40+	B	2	Group of trees with good vitality located on motorway embankment adjacent to site boundary. Trees provide good screening function. No significant structural defects observed. RPA to canopy edge.	None required.	RPA to edge of canopy.	N/A
G	100	Hawthorn, Field maple, Whitebeam, Common lime, Oak, Cherry plum, Guelder rose, Beech	6.4	0	Plotted using GPS and aerial photography	250					1	SM-EM	G	G	40+	B	2	Group of trees with good form and vitality located on motorway embankment adjacent to site boundary. Trees provide good screening function. RPA to canopy edge.	None required.	RPA to edge of canopy.	N/A
G	101	Field maple, Common lime, Hawthorn	6.9	2.8 N	Plotted using GPS and aerial photography	260					1	EM	G	F	40+	B	2	Group of trees with good vitality on motorway embankment. Previously pruned to north for clearance from newly installed fence.,RPA 1.3m from canopy edge.	None required.	RPA 1.3m from edge of canopy.	N/A
G	102	Ash, Sycamore, Silver birch, Hawthorn, Goat willow	15.2	2 W	Plotted using GPS, topographical survey plan and aerial photography	770					1	EM-M	G	G	40+	A	1,2	Group of trees adjacent to stream. Good vitality throughout group despite browsing of lower crowns. No significant structural defects observed. Hawthorn runs length of group as remnant hedgerow. RPA 1.6m from canopy edge.	None required.	RPA 1.6m from edge of canopy.	N/A
H	1	Hawthorn.	2	N/A	Plotted using GPS and topographical survey plan	100					1	M	G	F	40+	N/A		Well managed field boundary hedge. Two gaps near southern extent. Dead stems at north of northern gap, otherwise good vitality. Access restricted by low canopy, detailed measurements limited.	If retained, remove dead stems and plant up gaps with native local provenance hedging species.	RPA to edge of hedge.	N/A
H	2	Hawthorn	4.5	N/A	Plotted using GPS and topographical survey plan	300					1	M	G	F	40+	N/A		Tall, managed, field boundary hedge. Good vitality. Access restricted due to location, traffic and low canopies.	None required.	RPA 2m from edge of hedge, except to edge of road.	N/A
H	3	Hawthorn	5	N/A	Plotted using GPS and topographical survey plan	350					1	M	G	F	40+	N/A		Tall, managed, field boundary hedge. Good vitality. Access restricted due to location, traffic and low canopies, limiting detailed measurements.	None required.	RPA 2.1m from edge of hedge, except to edge of road.	N/A
H	4	Hawthorn.	4	N/A	Plotted using GPS and topographical survey plan	300					1	M	F	F	40+	N/A		Outgrown in places hedgerow. Access restricted due to location and low canopies, limiting detailed measurements.		RPA 2m from edge of hedge.	N/A
H	5	Cypress, euonymus, garden privet, box, smoke bush.	2.6	N/A	Plotted using GPS and aerial photography	95					1	EM	G	F	40+	N/A		Third party garden boundary hedge. Coming through fencing into site in places, up to approx. 30cm max, except dog rose stems to approx. 60cm. Access and view restricted by boundary wooden fencing, limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A

H	6	Lawson cypress	2		Plotted using GPS and aerial photography	60					6	M	G	F	40+	N/A	Garden boundary hedge, clipped, except where protruding into site which is not recently cut. Access restricted, limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	7	Hawthorn	1.8	N/A	Plotted using GPS and topographical survey plan	80					1	EM	G	F	40+	N/A	Outgrown informal garden boundary hedge. Brambles and small elder within. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	8	Hawthorn	2	N/A	Plotted using GPS and topographical survey plan	70					2	M	G	F	40+	N/A	Garden boundary hedge, not recently cut. Varying height. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	9	Hawthorn, elder,	1.9	0.5	Plotted using GPS and topographical survey plan	250					1	M	F	F	40+	N/A	Managed field boundary hedge. Canopy not to ground, stems visible to approx. 0.5 to 1m. Some sections with dieback. Access restricted, limiting measurements.	None required.	RPA 2m from edge of hedge.	N/A
H	10	Beech	2	N/A	Plotted using GPS and topographical survey plan	75					1	M	G	G	40+	N/A	Garden boundary hedge. Good vitality. Managed previously but not recently cut. Small self set single cherry adjacent hedge on site side. Access and view of stems restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	11	Hawthorn, elder, sycamore.	1	N/A	Plotted using GPS and topographical survey plan	100					1	M	G	G	40+	N/A	Field boundary and roadside, well managed, low hedge. Excellent vitality. Access restricted by low canopy, detailed measurements limited.	None required.	RPA 0.2m from edge of hedge.	N/A
H	12	Lawson cypress, Leyland cypress, elder	2.5	N/A	Plotted using GPS and topographical survey plan	20					6	EM-M	G	F	40+	N/A	Garden boundary hedge sections. Northern cypress section with elder in places. Managed, recently cut. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	13	Hawthorn, dog rose.	3	N/A	Plotted using GPS and topographical survey plan	200					1	M	F	F	40+	N/A	Field boundary hedgerow, becoming outgrown. Access restricted by low canopy, detailed measurements limited.	None required.	RPA 0.4m from edge of hedge.	N/A
H	14	Hawthorn	4	N/A	Plotted using GPS and topographical survey plan	75					1	EM	G	F	40+	N/A	Garden boundary hedge. Varying height. Good vitality. Not recently cut. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	15	Hawthorn, elder.	3.2	N/A	Plotted using GPS and topographical survey plan	200					1	M	G	F	40+	N/A	Field boundary hedgerow. Becoming outgrown. Access restricted limiting detailed measurements.	None required.	RPA 0.9m from edge of hedge.	N/A
H	16	Cherry laurel, dog rose.	3.5	N/A	Plotted using GPS and topographical survey plan	60					1	M	G	F	40+	N/A	Garden boundary hedge. Managed by flailing on field (site side). Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	17	Hawthorn.	2	N/A	Plotted to topographical survey plan	200					1	M	F	F	40+	N/A	Field boundary hedgerow. Becoming outgrown. Access restricted limiting detailed measurements.	None required.	RPA 0.9m from edge of hedge.	N/A
H	18	Cypress	4.2	N/A	Plotted using GPS and topographical survey plan	85					1	M	G	F	40+	N/A	Garden boundary hedge. Managed but not recently cut. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of hedge.	N/A
H	19	Cypress	2.3	N/A	Plotted using GPS and topographical survey plan	100					1	M	G	G	40+	N/A	Garden boundary hedge, not recently cut on site side. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of hedge.	N/A
H	20	Cherry laurel	2	N/A	Plotted using GPS and topographical survey plan	50					6	M	G	F	40+	N/A	Third party, garden boundary hedge. Good vitality. Access restricted due to location along boundary, boundary fence and low canopies, limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A

H	21	Leyland cypress.	2.1	N/A	Plotted using topographical survey plan and aerial photography	90					1	M	G	F	40+	N/A	Field boundary hedgerow. Managed but not recently cut. Access restricted due to location on boundary and low canopies, limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	22	Leyland cypress.	2.2	N/A	Plotted using topographical survey plan and aerial photography	90					1	EM	G	G	40+	N/A	Short section of field boundary hedge. Managed but not recently cut. Access restricted due to location on boundary and low canopy.	None required.	RPA to edge of hedge.	N/A
H	23	Hawthorn, privet, dog rose, ash.	4	N/A	Plotted using topographical survey plan and aerial photography	100					1	EM-M	G	F	40+	N/A	Short section of boundary hedgerow. Access restricted by low canopies and location on boundary, limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	24	Hawthorn, elder.	1.7	N/A	Plotted using GPS and topographical survey plan	75					1	M	G	F	40+	N/A	Two sections of managed field boundary hedge on north of roadside. Access restricted due to low canopies preventing taking of some detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	25	Oak, hawthorn, ash, wild privet, sycamore.	2	N/A	Plotted using GPS and topographical survey plan	95					1	EM-M	G	F	40+	N/A	Managed field boundary hedge. Good vitality. Access restricted by low canopy, detailed measurements limited.	None required.	RPA to edge of hedge.	N/A
H	26	Holly, hazel.	1.6	N/A	Plotted to topographical survey plan	100					1	M	G	G	40+	N/A	Well managed garden boundary hedge. Excellent vitality. Ivy encroaching. Access to stems restricted by low canopy, detailed measurements limited.	None required.	RPA to edge of hedge.	N/A
H	27	Oak, hawthorn.	1.8	N/A	Plotted using GPS	75					1	SM-M	G	G	40+	N/A	Recently planted and established older hedgerow short section. Good vitality. Access restricted by hay bales at north, oak stem at west and low canopies, detailed measurements limited.	None required.	RPA to edge of hedge.	N/A
H	28	Hawthorn, elder, oak.	1.7	N/A	Plotted using GPS and topographical survey plan	100					1	M	G	G	40+	N/A	Well managed field boundary hedge. Excellent vitality. Access restricted due to low canopy, detailed measurements limited.	None required.	RPA to edge of hedge.	N/A
H	29	Hawthorn, dog rose, oak.	2.5	N/A	Plotted using GPS and topographical survey plan	150					1	M	G	F	40+	N/A	Roadside, field boundary hedgerow. Access restricted due to low canopy, detailed measurements limited.	None required.	RPA 0.5m from edge of hedge.	N/A
H	30	Blackthorn.	1.9	N/A	Plotted using GPS and topographical survey plan	75					1	M	G	F	40+	N/A	Boundary blackthorn hedgerow remnants. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of hedge.	N/A
H	31	Hawthorn, dog rose.	1.9	N/A	Plotted to topographical survey plan	110					1	M	G	F	40+	N/A	Field boundary hedgerow. Good vitality. Regularly managed. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of hedge.	N/A
H	32	Beech.	2	N/A	Plotted using GPS and aerial photography	100					1	EM	G	G	40+	N/A	Third party garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.8m from edge of hedge.	N/A
H	33	Hawthorn.	1.9	N/A	Plotted using GPS and topographical survey plan	90					1	EM	G	F	40+	N/A	Boundary hedge. Regularly managed. Access to garden side not possible, low canopy limiting detailed measurements.	None required.	RPA 0.6m from edge of hedge.	N/A
H	34	Cypress	2	N/A	Plotted using topographical survey plan and aerial photography	90					1	M	G	G	40+	N/A	Garden boundary hedge. Excellent vitality. Regularly managed. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of hedge.	N/A
H	35	Cherry laurel	1.9	N/A	Plotted using GPS and aerial photography	75					1	EM	G	G	40+	N/A	Third party boundary hedge. Excellent vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.2m from edge of hedge.	N/A
H	36	Hawthorn, cotoneaster.	2	N/A	Plotted using GPS and aerial photography	120					1	M	G	F	40+	N/A	Garden boundary hedge. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.6m from edge of hedge.	N/A

H	37	Cotoneaster, garden privet, ash.	2.8	N/A	Plotted using GPS and aerial photography	75					1	M	G	F	40+	N/A	Boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.1m from edge of hedge.	N/A
H	38	Cypress	2.7	N/A	Plotted using topographical survey plan, GPS and aerial photography	110					1	M	G	G	40+	N/A	Boundary hedge. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	39	Hawthorn.	2.5	N/A	Plotted using GPS and aerial photography	95					1	M	G	G	40+	N/A	Boundary hedge. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.1m from edge of hedge.	N/A
H	40	Berberis	1.8	N/A	Plotted using GPS and aerial photography	75					1	M	F	F	40+	N/A	Third party, clipped garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.5m from edge of hedge.	N/A
H	41	Cypress, privet, pyracantha.	3.6	N/A	Plotted using GPS and aerial photography	95					1	M	G	F	40+	N/A	Garden boundary hedge. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of hedge.	N/A
H	42	Cypress.	2.1	N/A	Plotted using GPS and aerial photography	100					1	M	G	G	40+	N/A	Boundary hedge. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.7m from edge of hedge.	N/A
H	43	Garden privet, lilac.	2.4	N/A	Plotted using GPS and topographical survey plan	100					1	EM	G	F	40+	N/A	Garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.2m from edge of hedge.	N/A
H	44	Hawthorn, cherry laurel.	3	N/A	Plotted using topographical survey plan, GPS and aerial photography	150					1	M	G	F	40+	N/A	Garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.7m from edge of hedge.	N/A
H	45	Cypress, pyracantha.	3.8	N/A	Plotted using GPS and aerial photography	100					1	M	G	F	40+	N/A	Garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.6m from edge of hedge.	N/A
H	46	Cherry laurel, hawthorn.	2.3	N/A	Plotted using GPS and aerial photography	90					1	EM-M	G	F	40+	N/A	Third party garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.6m from edge of hedge.	N/A
H	47	Cherry laurel.	1.6	N/A	Plotted using GPS and aerial photography	95					1	M	G	F	40+	N/A	Third party garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of hedge.	N/A
H	48	Cypress.	1.9	N/A	Plotted using GPS and aerial photography	100					1	M	G	F	40+	N/A	Third party garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of hedge.	N/A
H	49	Cypress.	1.6	N/A	Plotted using topographical survey plan, GPS and aerial photography	100					1	M	G	G	40+	N/A	Third party garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of hedge.	N/A
H	50	Beech	1.6	N/A	Plotted using topographical survey plan and GPS	120					1	M	G	F	40+	N/A	Broad boundary beech hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.1m from edge of hedge.	N/A
H	51	Hawthorn., elder.	1.9	N/A	Plotted using topographical survey plan and GPS	80					1	M	G	F	40+	N/A	Field boundary hedgerow. Brambles extensive throughout. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	52	Hawthorn.	2.5	N/A	Plotted using GPS	120					1	M	G	F	40+	N/A	Field boundary hedgerow within group, merging into group at south. Access restricted limiting detailed measurements.	None required.	RPA 0.3m from edge of hedge.	N/A
H	53	Hawthorn.	1.7	N/A	Plotted using topographical survey plan and GPS	100					1	M	G	F	40+	N/A	Field boundary hedgerow. Gappy with herbaceous vegetation infilling in places at the south. Access restricted limiting detailed measurements.	If retained, consider planting up gaps with native local provenance hedging species.	RPA 0.3m from edge of hedge.	N/A

H	54	Hawthorn.	2	N/A	Plotted using GPS and manual plotting	130					1	M	G	F	40+	N/A	Field boundary hedgerow sections along fence line and under group canopy for majority of field boundary at north of group G76. Access restricted limiting detailed measurements.	None required.	RPA to edge of hedge.	N/A
H	55	Hawthorn, elder, elm.	3.5	N/A	Plotted using topographical survey plan	110					1	M	G	F	40+	N/A	Field boundary hedgerow. Becoming outgrown at east. Elm dead sections noted between trees T89 and T90. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of hedge.	N/A
H	56	Hawthorn, ash, oak.	7	N/A	Plotted using topographical survey plan and GPS	150					1	EM-M	F	F	40+	N/A	Field boundary hedgerow. Becoming outgrown. Access restricted limiting detailed measurements.	None required.	RPA 0.5m from edge of hedge.	N/A
H	57	Hawthorn.	1.8	N/A	Plotted using GPS	95					1	M	G	F	40+	N/A	Field boundary hedge section. Good vitality. Access restricted limiting detailed measurements.	None required.	RPA 0.2m from edge of hedge.	N/A
H	58	Ash.	2	N/A	Plotted using GPS and manual plotting	250					1	M	G	F	40+	N/A	Third party field boundary hedge section. Excellent vitality. Access restricted limiting detailed measurements.	None required.	RPA 1m from edge of hedge.	N/A
H	59	Hawthorn.	2	N/A	Plotted using GPS and manual plotting	200					1	M	G	F	40+	N/A	Short section of third party field boundary hedgerow. Access restricted limiting detailed measurements.	None required.	RPA 1.2m from edge of hedge.	N/A
H	60	Hawthorn, elder.	6.7	N/A	Plotted using topographical survey plan and GPS	300					1	M	G	F	40+	N/A	Field boundary hedgerow. Become outgrown but still functioning as a hedgerow. Access restricted limiting detailed measurements.	None required.	RPA 2.1m from edge of hedge.	N/A
H	61	Hawthorn, elder.	1.9	N/A	Plotted using topographical survey plan	110					1	M	G	F	40+	N/A	Field boundary hedgerow. Access restricted limiting detailed measurements.	None required.	RPA 0.5m from edge of hedge.	N/A
H	62	Hawthorn.	1.7	N/A	Plotted using topographical survey plan	100					1	M	G	F	40+	N/A	Field boundary hedgerow. Access restricted limiting detailed measurements.	None required.	RPA 0.4m from edge of hedge.	N/A
H	63	Hawthorn	4	N/A	Plotted using topographical survey plan and GPS	250					1	M				N/A	Field boundary hedgerow. Becoming outgrown. Some dieback and dead stems in places. Access restricted limiting detailed measurements.	If retained, consider removal of dead sections and replanting with local provenance native hedging species.	RPA 1m from edge of hedge.	N/A
H	64	Hawthorn, elder, ash.	7	N/A	Plotted using topographical survey plan and GPS	350					1	M	G	F	40+	N/A	Field boundary hedgerow. Becoming outgrown, small trees developing. Access restricted limiting detailed measurements.	None required.	RPA 2.7m from edge of hedge.	N/A
H	65	Hawthorn, elder.	5.5	N/A	Plotted using topographical survey plan	350					1	M	G	F	40+	N/A	Field boundary hedgerow. Becoming outgrown, small multi-stemmed trees developing. Access restricted limiting detailed measurements.	None required.	RPA 2.7m from edge of hedge.	N/A
H	66	Hawthorn, elder.	1.8	N/A	Plotted using topographical survey plan and GPS	150					1	M	G	F	40+	N/A	Field boundary hedgerow. Access restricted limiting detailed measurements.	None required.	RPA 1m from edge of hedge.	N/A
H	67	Hawthorn	3	N/A	Plotted using topographical survey plan and GPS	200					1	M	G	F	40+	N/A	Field boundary hedgerow sections, becoming outgrown at sides. Access restricted limiting detailed measurements.	None required.	RPA 1.1m from edge of hedge.	N/A
H	68	Hawthorn.	2	0.7	Plotted using topographical survey plan and GPS	220					1	M	G	F	40+	N/A	Field boundary hedgerow section remnants. Canopy generally c. 0.5 to 0.7 above ground, exposed stems beneath, browsing damage. Access restricted limiting detailed measurements.	None required.	RPA 1.8m from edge of hedge.	N/A

H	69	Elder, hawthorn.	2.2	N/A	Plotted using topographical survey plan and GPS	200					1	M	F	F	40+	N/A	Field boundary hedgerow. Gaps and dieback on outgrowing specimens at north. Access restricted limiting detailed measurements.	If retained, consider planting gaps with local provenance native hedging species.	RPA 1.8m from edge of hedge.	N/A
H	70	Hawthorn, elder.	3	N/A	Plotted using topographical survey plan and GPS	250					1	M	G	F	40+	N/A	Field boundary hedgerow. Access restricted limiting detailed measurements.	None required.	RPA 2.4m from edge of hedge.	N/A
H	71	Hawthorn.	4.5	N/A	Plotted using topographical survey plan	300					1	M	G	F	40+	N/A	Field boundary hedgerow, becoming outgrown, small multi-stemmed trees developing, particularly at south. Access restricted limiting detailed measurements.	None required.	RPA 2.2m from edge of hedge.	N/A
H	72	Cherry laurel.	1.7	N/A	Plotted using GPS	200					1	M	G	F	40+	N/A	Garden boundary hedge. Excellent vitality. Access restricted limiting detailed measurements.	None required.	RPA 1.5m from edge of hedge.	N/A
H	73	Hawthorn.	1.5	N/A	Plotted using topographical survey plan and GPS	120					1	M	F	F	40+	N/A	Recently cut, managed garden boundary hedge. Access restricted limiting detailed measurements.	None required.	RPA 0.9m from edge of hedge.	N/A
H	74	Hawthorn	5	N/A	Plotted using topographical survey plan	200					1	M	F	F	40+	N/A	Field boundary, unmanaged hawthorn hedgerow. Some dieback in places. Stem diameter estimated due to low canopy.	None required.	RPA 0.7m from edge of hedge.	N/A
H	75	Hawthorn.	4.8	N/A	Plotted using topographical survey plan and GPS	250					1	M	G	F	40+	N/A	Field boundary unmanaged hedgerow. Multi-stemmed small trees. Generally good vitality. Stem diameter estimated due to low canopy.	None required.	RPA 1.7m from edge of hedge.	N/A
H	76	Hawthorn	3.6	N/A	Plotted using topographical survey plan	300					1	M	F	F	40+	N/A	Linear, unmanaged field boundary hedgerow. Some dieback, otherwise reasonably good vitality. Access restricted by low canopies, detailed measurements limited.	None required.	RPA 0.6m from edge of hedge.	N/A
H	77	Hawthorn, dog rose.	4	N/A	Plotted using topographical survey plan	250					1	M	F	F	40+	N/A	Linear field boundary unmanaged hedgerow trees. Access restricted by low canopy, detailed measurements limited.	None required.	RPA 0.2m from edge of hedge.	N/A
H	78	Hawthorn, dog rose.	3.6	N/A	Plotted using topographical survey plan and GPS	250					1	EM-M	G	F	40+	N/A	Linear field boundary unmanaged hedgerow. Good vitality. Access restricted by low canopy, limited detailed measurements.	None required.	RPA 0.7m from edge of hedge.	N/A
H	79	Hawthorn, dog rose.	3.5	N/A	Plotted using topographical survey plan and GPS	300					1	EM-M	F	F	40+	N/A	Field boundary unmanaged hedgerow. Good vitality generally, some dieback in places. Access restricted by low canopy, detailed measurements limited.	None required.	RPA 0.6m from edge of hedge.	N/A
H	80	Hawthorn.	4.9	N/A	Plotted using GPS	250					1	M	G	F	40+	N/A	Unmanaged hedgerow. Good vitality. Access restricted by low canopy, detailed measurements limited.	None required.	RPA 1.2m from edge of hedge.	N/A
H	81	Hawthorn, dog rose.	6.6	N/A	Plotted using topographical survey plan and GPS	350					1	M	G	F	40+	N/A	Linear field boundary and roadside hedgerow. Multi-stemmed, unmanaged hedgerow trees. Good vitality. Access restricted by low canopy, detailed measurements limited.	None required.	RPA 0.7m from edge of hedge, except to the north to edge of pavement	N/A
H	82	Hawthorn, dog rose.	2.5	N/A	Plotted using topographical survey plan and GPS	250					1	M	G	F	40+	N/A	Linear field boundary unmanaged hedgerow. Good vitality. Access restricted by low canopy, detailed measurements limited.	None required.	RPA to edge of hedge.	N/A
H	83	Elder, Hawthorn	3.2	N/A	Plotted using topographical survey plan and aerial photography for eastern edge	130					1	EM	G	G	40+	N/A	Unmanaged hedgerow at site boundary. Good vitality throughout hedge.	None required.	RPA to edge of hedge.	N/A
H	84	Hawthorn	2.2	N/A	Plotted using topographical survey plan	140					1	EM	G	G	40+	N/A	Managed hedgerow at site boundary adjacent to neighbouring residential property. Good structure and vitality.	None required.	RPA 0.9m from edge of hedge.	N/A

H	85	Hawthorn, Elder	6.2	N/A	Plotted using topographical survey plan	300	240				2	M	G	G	40+	N/A	Unmanaged hedgerow of mature hawthorn with dog rose and ivy throughout. Hedge is broken into six distinct parts of similar attributes. Generally good vitality, except where ivy has restricted crown growth.	If retained, consider planting up gaps with native local provenance hedging species.	RPA 1.1m from edge of hedge.	N/A
H	86	Hawthorn, Elder, Hazel	1.9	N/A	Plotted using topographical survey plan and GPS	150					1	EM	G	F	40+	N/A	Hedgerow adjacent to boundary fence, partially managed. Good vitality throughout hedge.	None required.	RPA to edge of hedge.	N/A
H	87	Holly, Hawthorn, Sycamore	2.3	N/A	Plotted using topographical survey plan	90					1	SM	G	F	40+	N/A	Hedgerow adjacent to site boundary previously managed at approximately 1.8m in height. Good vitality in regrowth throughout hedge.	None required.	RPA 0.1m from edge of hedge.	N/A
H	88	Hawthorn, Wild cherry, Elder, Blackthorn	7.2	N/A	Plotted using topographical survey plan and GPS	230	160				2	EM-M	G	F	40+	N/A	Unmanaged hedgerow between fields. Browsing evident in lower part of hedge. Good vitality in upper.	None required.	RPA to edge of hedge.	N/A
H	89	Hawthorn, Elder, Forsythia, Cherry laurel	2.2	N/A	Plotted using topographical survey plan	140					1	EM	G	G	40+	N/A	Managed hedgerow with good vitality throughout adjacent to site boundary.	None required.	RPA 0.5m from edge of hedge.	N/A
H	90	Hawthorn	2.1	N/A	Plotted using topographical survey plan	130					1	EM	G	G	40+	N/A	Managed hedgerow adjacent to field. Good density throughout hedge.	None required.	RPA 0.3m from edge of hedge.	N/A
H	91	Hawthorn	6.8	N/A	Plotted using topographical survey plan	170	140				2	EM	G	G	40+	N/A	Hedgerow between fields with unmanaged height but pruned on east and west sides. Generally good vitality but end trees in poor physiological condition.	None required.	RPA 0.6m from edge of hedge.	N/A
H	92	Hawthorn, Elder, Ash	9.5	N/A	Plotted using topographical survey plan	220	280				2	EM	G	G	40+	N/A	Unmanaged hedgerow between fields. Good vitality throughout hedge. Evidence of browsing by horses.	None required.	RPA 1.1m from edge of hedge.	N/A
H	93	Hawthorn	6.8	N/A	Plotted using topographical survey plan and GPS	180					1	EM	G	G	40+	N/A	Unmanaged hedgerow between fields with evidence of browsing on both sides. Good vitality throughout upper hedge.	None required.	RPA 0.2m from edge of hedge.	N/A
W	1a	Ash, whitebeam, oak, elm, hazel, sycamore, hawthorn.	20	0 W	Plotted using GPS and aerial imagery	700					1	Y-M	F	F	40+	A	2,3	Small parcel of woodland, located directly adjacent north of Hermit Lane. Comprises small to large single and multi-stemmed trees. Understorey saplings present, comprising whitebeam, oak, sycamore, ash and elm - Stem diameters c. 5mm to 100mm. Ivy on most stems over c.50mm. Standing dead elm tree at south centre overhang layby, with other standing dead trees, inaccessible - likely also elm, to west of this - estimated at 3no - running as small row through from roadside to field at west. Some dieback on ash - sparse canopies along roadside at south of parcel, otherwise woodland parcel trees have generally have good vitality. Stem wounds on some trees visible, one tree noted as developing a cavity near base as a result of decay within a basal wound. Bat potential likely due to age and size of larger trees, decay wounds and at least one cavity visible from ground level, as well as standing dead trees at southwest and dieback on medium-sized ash trees. Stream running through western side of parcel, ground rises from this steeply to field at west and more gradually towards road and field at east. There is an oak tree at southeast near road with a severely leaning stem to north, which has self-corrected as it reached adjacent oak. This has resulted in two stems closely growing upwards. Ivy carpeting majority of ground within woodland parcel except where there are informal paths. Bluebells flowering during time of survey, with dog violet, cow parsley, docks, brambles, wood avens and cleavers. Some parts within woodland parcel and its canopy were inaccessible due to vegetation, ditches/watercourse at north, livestock in field at north and east, boundary fencing, and the busy road (Hermit Lane) at south. Canopy was plotted using GPS for majority of its length but where inaccessible completed using aerial imagery.	Fell dead elms adjacent to road within 6 months of survey. Re-inspect for safety/risk management purposes, particularly of trees along roadside, within 12 months. Consider management options to control ivy from a woodland management and arboricultural perspective.	RPA 0.3m from edge of canopy.	N/A

W	1b	Hazel, sycamore, hawthorn, ash, oak, field maple, alder, elm, horse chestnut, whitebeam.	15	0 E	Plotted using topographical survey plan, GPS and aerial imagery	1000					1	Y-M	G	F	40+	A	3;2	Ancient woodland along stream line. Small to medium-sized trees. Generally good vitality. Ash with some dieback. Oak with dieback at east. Dog rose, brambles along western edge under canopy edge along majority of perimeter. Brambles, dog rose, small ash, hawthorn and alder trees along western edge fence line beyond canopy surveyed separately. Alder on western edge of woodland, particularly adjacent wet waterlogged zones with dieback extensive, alder leaf beetle defoliation / leaf mining noted also on trees beyond canopy. Pond or wet area with reeds near south of western part, alder surrounding this on west, wet areas viewed from outside, not accessed. Canopy where not accessible estimated. Not all canopy extents and internal areas accessible due to stream, topography, barbed wire fencing, livestock, topography and vegetation, limiting detailed measurements.	Recommend al safety/risk management survey of the trees within falling distance of publicly accessible areas, within 12 months of survey.	RPA 3.6m from edge of canopy.	N/A

Appendix 5

Tree Protection Plan Sheets 1 & 2 Ref. LD10361-030 Rev. D



KEY

- SITE APPLICATION BOUNDARY
- HEDGE
- SCRUB
- TREES REMOVED DUE TO CONDITION AND/OR TO ENABLE DEVELOPMENT
- EXTENT OF PRUNING
- LOCATION OF TREE PROTECTION FENCING
- PROPOSED NO DIG FLEXIPAVE FOOTWAYS
- PROPOSED GROUND PROTECTION
- GROUND LEVEL INCREASE USING 3 DIMENSIONAL GEOGRIDS
- WORKING AREA FOR DRAINAGE DIRECTIONAL DRILLING RECEPTOR PIT & FOR HEADWALL

TREES

Quality categories based on BS5837:2012 Trees in relation to design, demolition and construction - Recommendations
RPA - Root Protection Area
Where RPA is not viable it extends to the same distance as the canopy.
The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

- CATEGORY A CROWN SPREAD
- CATEGORY B CROWN SPREAD
- CATEGORY C CROWN SPREAD
- CATEGORY U CROWN SPREAD
- ROOT PROTECTION AREA
- VETERAN TREE AND ANCIENT WOODLAND BUFFER ZONE
- T1/G1/W1/H1 TREE/TREE GROUP/WOODLAND/HEDGE NUMBER
- POTENTIAL DIRECT OBSTRUCTION OF SUNLIGHT

KEY - LANDSCAPE MASTERPLAN

- DRAINAGE EASEMENT (6m AS INDICATED)
- ACTIVE TRAVEL ROUTE (MULTI-USER PATH WITH MAX GRADIENT OF 1:21)
- RECREATIONAL ROUTE (NON MULTI-USER PATH)
- SURFACE THROUGH ANCIENT WOODLAND (eg KBI FLEXIPAVE OR SIMILAR APPROVED)
- BOARDWALK / BRIDGE
- STEPS
- FORMAL PLAY (NEAP / LEAP)
- INFORMAL PLAY
- ALLOTMENTS
- COMMUNITY ORCHARDS
- TREES
- 15m BUFFER FOR ANCIENT WOODLAND
- EXISTING HEDGEROW RETAINED
- PROPOSED MIXED 'NATIVE' HEDGEROW / HEDGE
- PROPOSED SWALE
- PERMANENT WATER BODY
- WET MEADOW
- ORNAMENTAL PLANTING
- 'TRADITIONAL' WILDFLOWER MEADOW
- AMENITY GRASS (SHORT MOWN)
- SPECIES RICH GRASS
- ROCKY GORSE / SHRUB
- WET SCRUB PLANTING
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KEY - MAIN INFRASTRUCTURE DRAINAGE STRATEGY

- SuDS EARTHWORK PROFILE
- PROPOSED SW DRAINAGE
- PROPOSED FW DRAINAGE
- RISING MAIN

KEY - PROPOSED SW/FW/LD COMMERCIAL DEVELOPMENT DRAINAGE

- PROPOSED SURFACE WATER PIPE
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED FOUL WATER PIPE
- PROPOSED FOUL WATER MANHOLE
- PROPOSED DRAINAGE CHANNEL
- PROPOSED KERBDRAIN
- PROPOSED ROAD GULLY (RG)
- PROPOSED RAINWATER PIPE (RWP)
- PROPOSED SYPHONIC RAINWATER PIPE (SRWP)
- PROPOSED WASTE POINT CONNECTION (WPC)
- EXISTING SURFACE WATER PIPE
- EXISTING SURFACE WATER MANHOLE
- EXISTING FOUL WATER PIPE
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REFERENCED DATA:

STRATEGIC LANDSCAPE MASTERPLAN, P1175A-00-001-GIL-0100 REV 11 DATED 11-06-2024

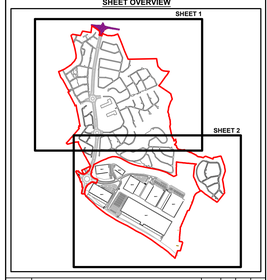
MAIN INFRASTRUCTURE DRAINAGE STRATEGY, QD2088-00-400 TO 402

FW DRAINAGE STRATEGY PLAN COMMERCIAL DEVELOPMENT ZONE, 4848-JPG-ZZ-ZZ-M2-D-1452 S4 P02

SW DRAINAGE STRATEGY PLAN COMMERCIAL DEVELOPMENT ZONE, 4848-JPG-ZZ-ZZ-M2-D-1453 S4 P02

LAND DRAINAGE STRATEGY PLAN COMMERCIAL DEVELOPMENT ZONE, 4848-JPG-ZZ-ZZ-M2-D-1454 S4 P02

SHEET OVERVIEW



REVISION	DETAILS	DATE	DRAWN	CHKD	APPD
D	New Masterplan. Various amendments.	12/08/24	MAB	KS	MS
C	New Drainage Strategy and Landscape Masterplan overlaid. Various amendments.	25/07/24	MAB	MS	MS
B	New Drainage Strategy overlaid. Various amendments.	20/05/24	MAB	JR	MS
A	FIRST ISSUE	09/11/23	MAB	MS	MS

CLIENT

STRATA STERLING BARNSLEY WEST LTD

PROJECT

BARNSLEY WEST

DRAWING TITLE

TREE PROTECTION PLAN
SHEET 1 OF 2

DRG No.	LD10361-030	REV	D
		SUIT. CODE	
DRG SIZE	A0	SCALE	1:1250
DATE	21/07/2023		
DRAWN BY	SJB/MAB	CHECKED BY	MS
APPROVED BY	MS		

wardell armstrong

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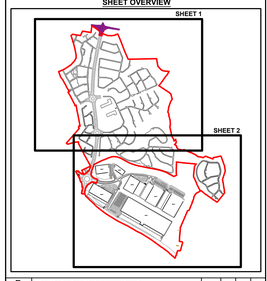
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SHEET 2 OF 2

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DATE	21/07/2023		
DRAWN BY	SJB/MAB	CHECKED BY	MS
APPROVED BY	MS		

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