TREE CONSULTANTS

ARBORICULTURAL REPORT

to BS 5837:2012 at:

Land to the north of

Wilthorpe Road,

Barnsley,

South Yorkshire.

For:

Persimmon Homes West Yorkshire

3 Hepton Court,

York Road,

Leeds,

LS9 6PW

January 2014

Institute of Chartered Foresters
Registered Consultant

Office: 0114 272 1124 Mobile: 0776 631 0880 Email: info@awatrees.com Website: awatrees.com

Union Forge, 27 Mowbray Street, Sheffield, S3 8EN. AWA Tree Consultants Limited. Company No. 8520123. Registered in England & Wales.

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1. Introduction

1.1 Instructions and Brief

1.1.1 I am instructed by Helena Horton of Persimmon Homes West Yorkshire, to visit the site and prepare my findings in a report.

1.1.2 The report is required in accordance with *BS 5837:2012 Trees in relation to design, demolition and construction –Recommendations,* to provide detailed, independent, arboricultural advice on the trees present, in the context of potential development.

1.2 Survey Details

1.2.1 The survey took place during January 2014 by Adam Winson, Chartered Arboriculturist, MSc, BSc (Hons) MICFor, AIEEM (the author's qualifications and experience are included within **Appendix 1**).

1.2.2 The trees were surveyed visually from the ground using "Visual Tree Assessment" techniques and in accordance with the guiding principles of British Standard 5837:2012 (explanatory details regarding the survey methodology are included within **Appendix 2**).

1.2.3 A full explanation of the tree data can be found at **Appendix 3**. Full details of all the trees surveyed are found in **Appendix 4**. For tree locations please refer to the Tree Constraints Plan at **Appendix 5**.

2. The Site

2.1 Location

2.1.1 The site is located approximately two miles North-West of Barnsley town centre.

2.1.2 The tree survey was limited to the area within the red line, shown in the (2008) image below:



2.2 Site Description

2.2.1 The site currently consists of grass fields.

2.2.2 The topography of the site generally slopes down slightly to the north.

3. The Trees

3.1 Legal

3.1.1 Due to the large potential penalties for illegally carrying out work to protected trees, before authorising any tree works a check should be made with the Local Planning Authority to see if the trees are covered by a Tree Preservation Order or if they are within a Conservation Area. If either applies, then statutory permission is required before any works can take place.

3.1.2 When appointing a tree surgeon, only properly qualified and experienced companies should used, who have adequate Public Liability and Employer's Liability Insurance. All tree work should be carried out according to British Standard 3998: 2010 *Tree Work - Recommendations*.

3.2 Vegetation Overview

3.2.1 Surrounding the site is a mix of existing housing and rural areas with a reasonable distribution of trees.

3.3 Summary of Results

3.3.1 The tree survey revealed 54 items of vegetation, comprised of 35 individual trees and 19 groups of trees or shrubs.

3.3.2 Of the surveyed vegetation: 3 tree groups are retention category 'A', 18 trees or groups are retention category 'B', and the remaining 33 trees or groups are retention category 'C' (explanatory details regarding the retention categories are included within Appendix 3).

3.3.3 The trees on the site can be broadly grouped into high value planted groups situated just beyond the northern and western boundaries, naturally regenerated trees scattered along the other boundary areas and a mix of lower value natural regeneration and occasional higher value individual trees situated alongside a stream that runs from north to south through the site.

3.3.4 The eastern boundary contains a mature Ash tree (T13) with structural defects. Whilst not currently a significant hazard, if the site became occupied by people and property then pruning management of this tree should be undertaken (as detailed in Appendix 4).

3.4 Arboricultural Impacts

3.4.1 Most of the sites central area has no trees and so is free of any significant arboricultural implications.

3.4.2 The higher value retention category `A' and `B' trees should be retained, where possible and incorporated into any new development design.

3.4.3 If required by the development proposals, many of the lower value, retention category C trees could be removed, and replacement planting would largely mitigate their losses.

3.5 Protection of the Retained Trees

3.5.1 Most retained trees will require protection by fencing in accordance with BS 5837: 2012, during the development phase. The protective fencing should protect the Root Protection Area (RPA) of the trees as highlighted on the plan at Appendix 5.

3.5.2 If required by the Local Planning Authority, an associated Arboricultural Method Statement, detailing protective fencing specifications can be provided.

4. Signature

I trust this report provides all the required information.

Signed



.....

Adam Winson, *Chartered Arboriculturist, MSc, BSc (Hons), MICFor, AIEEM.*

23rd January 2014

AWA Tree Consultants Limited
Union Forge
27 Mowbray Street
Sheffield
S3 8EN

Appendices

Appendix 1: Authors Qualifications and Experience
Appendix 2: Survey Methodology and Limitations
Appendix 3: Explanation of Tree Descriptions
Appendix 4: Tree Descriptions and Recommendations
Appendix 5: Tree Constraints Plan

Appendix 1: Authors Qualifications & Experience

Mr Adam Winson *Chartered Arboriculturist, MSc, BSc (Hons), ND, MICFor, AIEEM.*

Experience
I have worked within the tree care profession for 16 years. I am a Chartered Arboriculturist and a Registered Consultant with the Institute of Chartered Foresters. My work ranges from individual expert tree inspections to managing trees on major multimillion pound housing and park developments and highway and infrastructure projects. My work often involves trees with Preservation Orders, insurance claims, subsidence claims and litigation. In 2010 I obtained an MSc in Arboriculture and Urban Forestry (with distinction), also gaining the top student award, and have had articles published in industry magazines and have original research published by the UK Forestry Commission.

Membership of Professional Bodies
Professional Member and Registered Consultant of the Institute of Chartered Foresters
Associate of the Institute of Ecology and Environmental Management

Education and Qualifications
MSc Arboriculture and Urban Forestry (Distinction) University of Central Lancashire - Myerscough College. 2006 -2009
BSc (Hons) Environmental Conservation 2:1. Sheffield Hallam University. 2002 2005
National Diploma in Arboriculture University of Lincoln/ Riseholme.1996-1998

Previous Experience
Consulting Arboriculturist at JCA Ltd. Halifax, Yorkshire 2005 to 2012
Freelance Arborist for various companies. Sheffield, South Yorkshire 2002 - 2005
Arborist for AAA Arbor /Sydney City Council Australia 2001- 2002
Arborist for The Tree Surgeon, Brisbane, Australia 2000- 2001
Groundsman/Climber at Lindsey Tree Services, Grimsby, Lincolnshire 1998 -2000
Groundsman/Climber at Freelance Baumpflege, Frankfurt, Germany 1998
Freelance Groundsman/Climber for various companies, Lincoln Area 1996-1998

Training, Awards & Qualifications
MSc Top Student Award University of Central Lancashire 2010
Bats and Bat Surveys- a foundation course for ecological consultants. BCT 2007
Arboriculture & Bats: A Guide for Practitioners BCT and AA 2007
CPRE: Prize for best BSc dissertation on the theme of land management 2006

Appendix 2: Survey Methodology and Limitations of Report

The survey was undertaken in accordance with British Standard 5837 (2012) *Trees in relation to design, demolition and construction –Recommendations.* The trees were assessed objectively and without reference to any proposed site layout. The trees were surveyed from the ground using 'Visual Tree Assessment' (VTA) methodology. VTA is appropriate and is endorsed by industry guidance. It is used by arboriculturists to evaluate the structural integrity of a tree, relying on observation of trees biomechanical and physiological features. Measurements are obtained using a diameter tape, clinometer, distometer and loggers tape. Where this is not practical measurements are estimated. Tree groups have been identified in instances as defined in BS 5837 (2012). Shrubs and insignificant trees may have been omitted from the survey.

This report represents a BS5837 tree survey and should not accepted as a detailed tree safety inspection report; however, tree related hazards are recorded and commented upon where observed, yet no guarantee can be given as to the absolute safety or otherwise of any individual tree. All recommended tree work must be to BS 3998: 2010 - '*Tree Work: Recommendations'*.

The findings and recommendations contained within this report are valid for a period of twelve months from the date of survey. The author shall not be responsible for events which happen after this time due to factors which were not apparent at the time, and the acceptance of this report constitutes an agreement with these guidelines and terms.

Appendix 3: Explanation of Tree Descriptions

HEIGHT of the tree is measured from the stem base in metres. Where the ground has a significant slope the higher ground is selected.

CROWN HEIGHT is an indication of the average height at which the crown begins and includes information of the first significant branch and direction of growth.

STEM DIAMETER is measured at 1.5 metres above (higher) ground level. Where the tree is multi-stemmed at this point; the diameter is measured close to ground level or else a combined stem diameter is calculated.

CROWN SPREAD is measured from the centre of the stem base to the tips of the branches in all four cardinal points.

AGE CLASS of the tree is described as young, semi-mature, early-mature, mature, or over-mature.

PHYSIOLOGICAL CONDITION is classed as good, fair, poor, or dead. This is an indication of the health of the tree and takes into account vigour, presence of disease and dieback.

STRUCTURAL CONDITION is classed as good, fair or poor. This is an indication of the structural integrity of the tree and takes into account significant wounds, decay and quality of branch junctions.

LIFE EXPECTANCY is classed as; less than 10 years, 10-20 years, 20-40 years, or more than 40 years. This is an indication of the number of years before removal of the tree is likely to be required.

Retention Categories

A (marked green on Appendix 5) = retention most desirable. These trees are of very high quality and value with a good life expectancy.

B (marked in blue on Appendix 5) = retention desirable. These trees are of good quality and value with a significant life expectancy.

C (marked in grey on Appendix 5) = trees which could be retained. These trees are of low or average quality and value, and are in adequate condition to remain until new planting could be established.

U (marked in red on Appendix 5) = trees for removal. These trees are in such a condition that any existing value would be lost within 10 years.

	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Dia (mm)*	*Estimated*	*First branch*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiology*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*	*Priority (Mths)*
G1	Birch	*Betula pendula*	Semi-mature	11	1	150	Yes	3n	3	See Plan				No visual defects	No visual defect; Minor cavities	No visual defects; Minor dead wood	Recently planted tree belt, situated behind unmanaged boundary hedge. Comprised of approx': Birch 70%, Ash 10%, Alder 10%, Pine 10%.	Good	Good	20 to 40 yrs	High	**A**	No action	NA
T2	Birch	*Betula pendula*	Early-mature	8	1	320	No	2n	1	6	5	5	6	No visual defects	No visual defect. Multiple stemmed at 2m.	No visual defects	Situated on boundary.	Fair	Fair	20 to 40 yrs	Mod	**B**	No action	NA
T3	Poplar	*Populus nigra 'Italica'*	Early-mature	14	1	350	Yes	2w	2	3	3	3	3	No visual defects	No visual defect; Old pruning wounds; Minor cavities	Old pruning wounds	Situated beyond boundary area in adjacent garden.	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
G4	Hazel	*Corylus avellana*	Early-mature	5	1	300	No	2n	1	3	3	2	3	No visual defects	No visual defect; Multi stemmed with partially included bark	No visual defects; Minor die back	Line of trees forming one crown along boundary area. Occasional young Sycamore in group.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T5	Oak	*Quercus robur*	Early-mature	6	1	660	No	2n	2	6	6	4	6	No visual defects; Soil compaction	Multi stemmed at 2m with partially included bark. Reaction growth at 2m.	No visual defects	Situated on boundary.	Good	Good	40+ yrs	Mod	**B**	No action	NA
T6	Oak	*Quercus robur*	Early-mature	7	1	490	No	2n	3	7	6	5	6	No visual defects	Bark wounds; Multi stemmed at 2m with tight union and partially included bark.	No visual defects	Situated on boundary area	Good	Good	40+ yrs	Low	**B**	No action	NA

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	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	***Common Name***	***Latin Name***	***Maturity***	***Height (m)***	***Stems***	***Stem Dia (mm)***	***Estimated***	***First branch***	***Ave Height***	***N***	***E***	***S***	***W***	***Roots***	***Stem***	***Crown***	***Comments***	***Physiology***	***Structural***	***Life Expectancy***	***Amenity***	***Category***	***Works***	***Priority (Mths)***
G7	Leyland Cypress	*X Cupressocyparis leylandii*	Semi-mature	5	1	150	Yes	0	1	See Plan				No visual defects	No visual defect	No visual defects	Well managed hedge situated beyond boundary.	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
G8	Hawthorn	*Crataegus monogyna*	Early-mature	3	1	100	No	0	1	See Plan				No visual defects	No visual defect. Single-stemmed and multiple-stemmed.	No visual defects; Minor die back	Managed boundary hedge	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
G9	Hawthorn	*Crataegus monogyna*	Semi-mature	8	1	150	Yes	2e	2	See Plan				No visual defects; Soil erosion	Some stems with slight lean	Minor deadwood and die back	Natural regeneration along boundary area, Occasional Hazel, Birch and Goat Willow. Low individual value but provides good screening value.	Fair	Fair	20 to 40 yrs	Mod	**B**	No action	NA
G10	Hazel	*Corylus avellana*	Early-mature	4.5	1	350	No	2w	2	See Plan				No visual defects	Multi stemmed; Tight union	Minor dead wood; No visual defects	Dense group of natural regeneration, along boundary area.	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
G11	Poplar	*Populus canescens*	Semi-mature	6	1	150	Yes	0	1	See Plan				No visual defects	No visual defect; Bark wounds; Old pruning wounds	No visual defects	Dense group of natural regeneration along boundary area. Occasional overhanging crown cut back from adjacent gardens.	Fair	Fair	20 to 40 yrs	Mod	**B**	No action	NA

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	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	***Common Name***	***Latin Name***	***Maturity***	***Height (m)***	***Stems***	***Stem Dia (mm)***	***Estimated***	***First branch***	***Ave Height***	***N***	***E***	***S***	***W***	***Roots***	***Stem***	***Crown***	***Comments***	***Physiology***	***Structural***	***Life Expectancy***	***Amenity***	***Category***	***Works***	***Priority (Mths)***
T12	Ash	*Fraxinus excelsior*	Semi-mature	9	6	120	No	3n	3	4	4	5	4	No visual defects	Multi stemmed; Tight union	Minor dead wood	Situated by stream	Fair	Fair	40+ yrs	Low	**C**	No action	NA
T13	Ash	*Fraxinus excelsior*	Mature	16	1	670	No	4n	4	7	7	8	8	No visual defects; Waterlogged	Decayed old stem at base, previously twin stemmed, now single-stemmed. Cavities from recently failed limb at 3m, also large *Inonotus* fungi.	Moderate die back; Minor dead wood	Situated on boundary area. Limited long term future prospects	Poor	Poor	10 to 20 yrs	Mod	**C**	Reduce crown by 5m If site becomes more frequently used	18 mths
T14	Ash	*Fraxinus excelsior*	Semi-mature	8	7	110	No	2w	2	4	3	4	3	No visual defects	Multi stemmed; Tight union; Ivy covered	No visual defects	Natural regeneration along boundary area	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T15	Sycamore	*Acer pseudoplatanus*	Early-mature	16	8	260	Yes	3e	3	6	5	6	7	No visual defects; Waterlogged	Multi stemmed; Tight union; Ivy covered	No visual defects	Situated on boundary. Limited access around stem base	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
T16	Elm	*Ulmus procera*	Semi-mature	8	4	260, 260, 250, 200	No	3s	3	5	3	3	5	Soil erosion	Cracked / included bark; Leaning; Old pruning wounds	Minor die back	Limited long term future prospects.	Poor	Poor	<10 yrs	Low	**C**	No action	NA
T17	Oak	*Quercus robur*	Mature	13	1	780	No	3n	4	6	6	6	7	Soil compaction; No visual defects	Minor cavities; Decay; Multi stemmed at 2m	Minor die back	Large dead stub at union at 2.5m.	Fair	Fair	20 to 40 yrs	Mod	**B**	No action	NA

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	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Dia (mm)*	*Estimated*	*First branch*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiology*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*	*Priority (Mths)*
G18	Ash	*Fraxinus excelsior*	Semi-mature	6	1	180	Yes	2n	2	See Plan				No visual defects	Minor cavities; Multi stemmed	No visual defects	Dense group of natural regeneration, with Hazel and occasional Sycamore	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
T19	Lime	*Tilia europaea*	Early-mature	14	1	350	Yes	4w	4	3	4	4	4	No visual defects	No visual defect; Epicormic growths	No visual defects; Minor die back	Situated beyond boundary	Fair	Fair	20 to 40 yrs	Mod	**B**	No action	NA
T20	Sycamore	*Acer pseudoplatanus*	Early-mature	15	2	420, 400	No	3w	3	7	7	7	8	No visual defects	Twin Stemmed; Tight union	No visual defects	Situated on boundary.	Good	Good	40+ yrs	Mod	**B**	No action	NA
T21	Sycamore	*Acer pseudoplatanus*	Mature	17	1	650	Yes	3n	4	8	5	8	8	No visual defects	No visual defect; Significant cavities	No visual defects	Situated beyond boundary	Good	Good	40+ yrs	Mod	**B**	No action	NA
T22	Sycamore	*Acer pseudoplatanus*	Early-mature	17	1	600	Yes	4w	5	7	7	8	8	Soil compaction; No visual defects	Multi stemmed; Weak fork; Partially included bark; Cavities with decay.	Minor die back	Situated on boundary. Limited access around stem base	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
T23	Ash	*Fraxinus excelsior*	Early-mature	10	1	490	No	3s	4	5	5	5	5	No visual defects	No visual defect; Minor cavities	Minor die back	Situated on boundary	Good	Good	20 to 40 yrs	Mod	**B**	No action	NA
T24	Sycamore	*Acer pseudoplatanus*	Early-mature	5	6	120	No	2e	2	2	2	2	2	No visual defects	Old pruning wounds; Minor cavities	No visual defects	Previously topped at 1m, now with scrappy regrowth.	Fair	Fair	10 to 20 yrs	Low	**C**	No action	NA
T25	Cherry	*Prunus padus*	Semi-mature	7	1	200	No	3s	2	2	1	2	1	No visual defects; Some decay	Cavities	No visual defects	Natural regeneration along boundary	Fair	Fair	10 to 20 yrs	Low	**C**	No action	NA
T26	Ash	*Fraxinus excelsior*	Early-mature	12	2	350, 360	No	3s	2	6	5	6	6	No visual defects; Soil erosion	Twin Stemmed; Tight Union; Partially included bark.	No visual defects	Situated along stream.	Fair	Fair	20 to 40 yrs	Mod	**B**	No action	NA

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	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	***Common Name***	***Latin Name***	***Maturity***	***Height (m)***	***Stems***	***Stem Dia (mm)***	***Estimated***	***First branch***	***Ave Height***	***N***	***E***	***S***	***W***	***Roots***	***Stem***	***Crown***	***Comments***	***Physiology***	***Structural***	***Life Expectancy***	***Amenity***	***Category***	***Works***	***Priority (Mths)***
G27	Blackthorn	*Prunus spinosa*	Semi-mature	5	1	200	Yes	0	1	See Plan				No visual defects	No visual defect	No visual defects	Dense group of natural regeneration. Occasional small Oak, Sycamore & Hazel	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T28	Oak	*Quercus robur*	Early-mature	12	1	450	No	2n	3	6	6	6	6	No visual defects	No visual defect; Multi stemmed at 2m; Ivy covered	No visual defects	Situated along stream.	Good	Good	40+ yrs	Mod	**B**	No action	NA
T29	Oak	*Quercus robur*	Mature	8	1	550	No	3s	4	5	5	4	5	No visual defects	Major cavities; Decay; Ivy covered	Major die back; Stubs; Major dead wood	Limited long term future prospects.	Poor	Poor	10 to 20 yrs	Low	**C**	No action	NA
T30	Ash	*Fraxinus excelsior*	Mature	6	1	580	No	3w	3	3	3	3	3	Soil compaction	Cavities; Major cavities; Decay; Ivy covered	All dead / absent	Crown previously failed, now with regrowth.	Poor	Poor	10 to 20 yrs	Low	**C**	No action	NA
G31	Hawthorn	*Crataegus monogyna*	Semi-mature	4	1	200	Yes	0	1	See Plan				No major defects	No major defects	Minor deadwood	Group of natural regeneration. Limited value.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T32	Oak	*Quercus robur*	Semi-mature	8	1	270	No	1w	2	2	2	3	3	No visual defects	No visual defect	No visual defects	Situated along steep stream banking	Good	Good	40+ yrs	Low	**C**	No action	NA
G33	Sycamore	*Acer pseudoplatanus*	Semi-mature	8	1	200	Yes	2n	2	See Plan				No major defects	Pruning wounds. No major defects	Pruning wounds. Minor deadwood	Group of natural regeneration. Limited value.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T34	Alder	*Alnus glutinosa*	Mature	9	1	520	Yes	3n	3	4	5	5	6	Soil compaction; Soil erosion	Bark wounds; Minor cavities; Decay	Minor dead wood	Situated along stream.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T35	Oak	*Quercus robur*	Early-mature	13	1	480	No	2 s	3	6	6	6	6	No visual defects	No visual defect; Multi stemmed with tight union at 2m	Minor dead wood	Situated along stream banking	Good	Good	40+ yrs	Mod	**B**	No action	NA
G36	Hazel	*Corylus avellana*	Early-mature	3	1	240	Yes	1 s	1	3	3	3	3	No major defects	Multi-stemmed. No major defects	Minor deadwood	Group of natural regeneration. Limited value.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T37	Ash	*Fraxinus excelsior*	Early-mature	9	6	150	Yes	3s	4	4	5	4	5	No visual defects	Multi stemmed; Tight union; Bark wounds	No visual defects; Minor dead wood	Natural regeneration along stream banking	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA

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	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	***Common Name***	***Latin Name***	***Maturity***	***Height (m)***	***Stems***	***Stem Dia (mm)***	***Estimated***	***First branch***	***Ave Height***	***N***	***E***	***S***	***W***	***Roots***	***Stem***	***Crown***	***Comments***	***Physiology***	***Structural***	***Life Expectancy***	***Amenity***	***Category***	***Works***	***Priority (Mths)***
T38	Oak	*Quercus robur*	Mature	17	1	1000	No	3n	4	9	10	9	9	No visual defects	Twin stemmed at 3m. Ivy covered; Moderate cavity with decay at 2m, on northern side of stem.	No visual defects; Ivy in crown; Minor dead wood	Dense ivy limited detailed inspection / high value tree, remove ivy if site becomes used.	Good	Good	40+ yrs	High	**B**	Sever/ remove ivy	6 mths
G39	Hazel	*Corylus avellana*	Early-mature	3	1	240	Yes	1 s	1	3	3	3	3	No major defects	Multi-stemmed. No major defects	Minor dieback	Group of natural regeneration. Limited value.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T40	Oak	*Quercus robur*	Semi-mature	7	1	340	No	2n	3	3	2	3	3	No visual defects	No visual defect; Tight union	No visual defects; Minor die back	Co-dominant branch at base.	Fair	Fair	40+ yrs	Low	**C**	No action	NA
G41	Hawthorn	*Crataegus monogyna*	Semi-mature	3	1	200	Yes	0	1	See Plan				No visual defects	No visual defect	Minor die back	Occasional natural regeneration, situated beyond boundary area	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
G42	Hawthorn	*Crataegus monogyna*	Semi-mature	3	1	200	Yes	0	1	See Plan				No visual defects	No visual defect	Minor die back	Occasional natural regeneration, beyond boundary area	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T43	Oak	*Quercus robur*	Semi-mature	5	1	360	No	2 s	2	4	4	3	4	No visual defects	Minor cavities; Decay; Slight Lean	No visual defects	Situated beyond boundary; barbed wire throughout stem.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
G44	Hawthorn	*Crataegus monogyna*	Semi-mature	3	1	180	No	0	1	2	2	2	2	No visual defects; Waterlogged	No visual defect	No visual defects; Minor dead wood; Minor die back	Dense group of natural regeneration beyond boundary.	Fair	Fair	10 to 20 yrs	Low	**C**	No action	NA
T45	Ash	*Fraxinus excelsior*	Semi-mature	7	3	220, 210	No	3 s	3	4	4	4	4	No visual defects; Waterlogged	Cracked / included bark	Minor die back	Situated beyond boundary; barbed wire throughout stem	Fair	Fair	10 to 20 yrs	Low	**C**	No action	NA

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	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Dia (mm)*	*Estimated*	*First branch*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiology*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*	*Priority (Mths)*
T46	Ash	*Fraxinus excelsior*	Early-mature	14	1	500	Yes	4 s	4	5	5	5	5	No visual defects	No visual defect; Ivy covered	No visual defects	situated beyond boundary , no access around stem.	Fair	Fair	20 to 40 yrs	Mod	**C**	No action	NA
G47	Hawthorn	*Crataegus monogyna*	Early-mature	2	1	200	No	0	1	See Plan				No visual defects	No visual defect; Multi stemmed.	No visual defects; Old pruning wounds	Well managed hedge. Occasional gaps.	Fair	Fair	20 to 40 yrs	Low	**C**	No action	NA
T48	Oak	*Quercus robur*	Early-mature	11	1	400	Yes	4	3n	5	5	5	5	No visual defects	No visual defect	No visual defects; Minor dead wood	Situated in boundary hedge shrubs	Good	Good	40+ yrs	Mod	**B**	No action	NA
T49	Oak	*Quercus robur*	Early-mature	9	1	500	No	3n	3	5	5	5	5	No visual defects; Soil erosion	No visual defect; Bark wounds; Twin Stemmed at 2m.	No visual defects	Situated in boundary hedge feature. Wire throughout stem	Good	Good	40+ yrs	Mod	**B**	No action	NA
T50	Sycamore	*Acer pseudoplatanus*	Early-mature	14	1	530	Yes	2 s	3	5	5	6	6	No visual defects	No visual defect; Bark wounds	No visual defects; Minor dead wood	Situated in boundary hedge feature. Limited access around stem base	Good	Good	40+ yrs	Mod	**B**	No action	NA
T51	Prunus	*Prunus 'Kanzan'*	Semi-mature	8	1	260	Yes	4 s	4.5	4	3	4	3	No visual defects	Old pruning wounds; Minor cavities	Old pruning wounds	Situated beyond boundary	Poor	Poor	10 to 20 yrs	Low	**C**	No action	NA
T52	Oak	*Quercus robur*	Semi-mature	11	1	400	No	2 s	3	See Plan				No visual defects	No visual defect	No visual defects	Situated beyond boundary. Limited access around stem	Good	Good	40+ yrs	Mod	**B**	No action	NA
G53	Oak	*Quercus robur*	Semi-mature	13	1	300	No	2 s	2	See Plan				No visual defects	No visual defect	No visual defects	Situated beyond boundary fence, within railway land. High value screen. Occasional crown overhangs by 1.5m	Good	Good	40+ yrs	High	**A**	No action	NA

AWA TREE CONSULTANTS

	Tree Species		Measurments					Crown (m)						Tree Condition							Value		Management	
Tree ID	*Common Name*	*Latin Name*	*Maturity*	*Height (m)*	*Stems*	*Stem Dia (mm)*	*Estimated*	*First branch*	*Ave Height*	*N*	*E*	*S*	*W*	*Roots*	*Stem*	*Crown*	*Comments*	*Physiology*	*Structural*	*Life Expectancy*	*Amenity*	*Category*	*Works*	*Priority (Mths)*
G54	Oak	*Quercus robur*	Semi-mature	14	1	300	No	2 s	2	See Plan				No visual defects	No visual defect	No visual defects	Situated beyond boundary fence, within railway land. High value screen. Occasional crown overhangs by 2.5m	Good	Good	40+ yrs	High	**A**	No action	NA

AWA TREE CONSULTANTS


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NORTH
AWA
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Appendix 5:
Tree Constraints Plan
Wilthorpe Road, Barnsley
Ref:1143
BRITISH STANDARD 5837:2012
RETENTION CATEGORIES
Definitions of these catagories can be found in Appendix 2 of the report.
SCALE :1:1000
PAPER: A1
CATEGORY A: RETENTION MOST DESIRABLE
CATEGORY B: RETENTION DESIRABLE
CATEGORY C: COULD BE RETAINED
CATEGORY U: FOR REMOVAL
RPA: ROOT PROTECTION AREA
TREE STEM