

**ARBORICULTURAL METHOD STATEMENT
to BS 5837:2012**

at

**Land off Dearne Hall Road
Low Barugh
Barnsley
South Yorkshire**

Client:

Barratt David Wilson
Yorkshire West

Client Address:

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JCA Ref:

13196-A/AJB

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1. Introduction

1.1 Purpose of the Method Statement

- 1.1.1 This Method Statement has been prepared to ensure good practice in the protection of retained trees during the proposed development at **Land off Dearne Hall Road, Barugh, Barnsley**.

1.2 Terms of Reference

- 1.2.1 We are instructed by **Barratt David Wilson Yorkshire West** to prepare a Method Statement for the proposed development, based on our arboricultural report dated 14th November 2016 (JCA Ref: **13196/AJB**). The arboricultural survey and report conforms to the most recent specifications outlined in BS 5837: 2012 *Trees in relation to design, demolition and construction - Recommendations*.
- 1.2.2 It is proposed to construct a residential development with associated public open space, landscaping and link road.
- 1.2.3 The following drawings have been provided and these are the basis of the Method Statement and the Tree Protection Plan at **Appendix 5**:
- Topographical Survey (Drawing No: **hlm2625-3a**).
 - Development Layout (Drawing No: **01- Planning layout - Rev G 19.02.16**).
- 1.2.4 Planning permission was granted in view of the following conditions:
- No construction works to proceed until an arboricultural method statement is formalised and agreed upon with the Local Planning Authority.
- 1.2.5 Therefore, planning consent is subject to this method statement being agreed upon in advance by the Local Planning Authority. The contents of this report must be adhered to, before, during, and after the construction phase.

1.3 Status of the Method Statement

- 1.3.1 This Method Statement should be included as part of the specification and schedule of works issued to the building contractor, and can form part of the contract.
- 1.3.2 This Method Statement should be available on site for inspection by the local authority, contractors and other relevant persons.

2. Tree Works Prior, During and Post Construction

2.1 Tree Works Prior to Construction

- 2.1.1 Prior to any construction activity, the first operation on site will be the undertaking of the necessary arboricultural works, as described at **Appendix 1**.
- 2.1.2 The tree works include:
- The removal of **G35**, for arboricultural reasons.
 - The removal of **T3**, **T25** and three trees within **G34**, to facilitate aspects of the proposed development.

2.2 Tree Works During Construction

- 2.2.1 In this case, no tree works are envisaged to be required during the construction phase.
- 2.2.2 Damage to trees during the construction phase should be entirely prevented by the installation of the temporary protective barrier in the form of fencing, to create a Construction Exclusion Zone (CEZ). All persons on site must be aware of limitations that apply within the CEZ (please refer to **Section 3.1.3**).
- 2.2.3 If any trees on site are damaged, this must be immediately reported to JCA to agree on appropriate remedial action. Contact numbers for all parties can be found at **Section 7**.

2.3 Tree Works Post Construction

- 2.3.1 When the construction phase is complete and when the temporary protective barrier has been removed, some minor remedial works may be required. This may be for aesthetic purposes; to give clearance for new paths or to provide ground clearance for landscaping schemes.
- 2.3.2 No post construction remedial works are to be carried out on the trees until prior permission has been granted by the Local Planning Authority.

2.4 Recommendations For Tree Works

- 2.4.1 All work must be undertaken to BS 3998: 2010 - *Recommendations for tree work* and carried out by qualified, experienced and, ideally, Arboricultural Association approved contractors who must be adequately insured.
- 2.4.2 Any defects seen by a contractor or the client that were not apparent to the consultant must be brought to the attention of JCA immediately. No liability can be accepted by JCA in respect of the trees unless the recommendations of this Method Statement are carried out under our supervision.

3. The Protective Barrier Prior, During and Post Construction

3.1 Protective Barrier Prior to Construction

- 3.1.1 The installation of the temporary protective barrier in the form of protective fencing will be the very first job to be undertaken on site following the completion of the tree works (**Section 2.1**).
- 3.1.2 Once installed, the appointed arboriculturalist will be invited on site to inspect the protective fencing, ensuring that it is located in the correct position and that it has been constructed in accordance with this Method Statement. No other work, including soil stripping, excavation, or the bringing onto site of materials or machinery, shall commence until the barrier is installed and confirmed to be acceptable by the appointed arboriculturalist.
- 3.1.3 The protective fencing must be constructed in accordance with BS 5837: 2012 *Trees in relation to design, demolition and construction - Recommendations* and will be located as shown on the Tree Protection Plan at **Appendix 3**. Where possible, the protective barrier will enclose the entire Root Protection Area (RPA) of the trees to make a Construction Exclusion Zone (CEZ); **this area is to be considered a restricted area; no pedestrians, vehicles, storage of materials, equipment or machinery are allowed within the CEZ unless specified within this Method Statement.**
- 3.1.4 The protective fencing will be installed in accordance with BS 5837: 2012 and will comprise of a vertical and horizontal scaffold framework, well braced to resist impacts. The vertical tubes should be spaced at a maximum interval of 3m and driven securely into the ground, taking care to avoid underground services and structural roots. Finally, weld mesh panels are to be securely fixed on the scaffold framework. Please refer to **Appendix 2 (Fig 1)** for protective fencing details.
- 3.1.5 Once the protective fencing is installed, waterproof signs with the sentence '*Protected tree zone, no storage or operations within this area*' are to be placed at 3m intervals to ensure that all personnel are aware of the restrictions that apply to the cordoned off area. A prepared sign is available at **Appendix 2**.

3.2 Ground Protection

- 3.2.1 In this instance, all root protection areas are enclosed by protective fencing, as such; no ground protection measures are required.

3.3 Protective Barrier During Construction

- 3.2.1 No operations shall take place which require the removal of part of the protective barrier without prior agreement with the Local Planning Authority or JCA.
- 3.2.2 The protective barrier must be inspected for faults or damage by the site manager or other responsible named person on a regular basis and a written record kept. Any faults or defects must be repaired or replaced as soon as is reasonably practicable. Details of the site manager and relevant contact details can be found at **Section 7**.

3.4 Removal of the Protective Barrier

- 3.3.1 When the development phase is complete and the main site machinery has been removed, the Local Planning Authority should be invited to inspect the site to give approval for the removal of protective barrier.
- 3.3.2 When this approval has been given the protective barrier may be dismantled and removed from site.
- 3.3.3 It should be noted the same restrictions apply to all RPAs as the CEZ (please refer to **Section 3.1.3**).

4. Construction Phase

4.1 Demolition Works

4.1.1 In this case, no demolition works are required adjacent to retained trees.

4.2 Ground Level Changes

4.2.1 No ground level changes are required within the RPA of any tree to be retained on this site. As such no mitigation actions are considered necessary.

4.3 Construction of Hard Surfaces

4.3.1 In this case, no new hard surfaces are proposed within the RPA of retained trees. As such, no specialist mitigation actions are required.

4.4 Construction of New Buildings

4.4.1 In this case, the proposed buildings are located at a sufficient distance from retained trees that no specialist foundation methods are required for arboricultural purposes.

4.5 Excavations and Services

4.5.1 In this case the routing of the proposed utilities is situated outside the RPAs of retained trees. As such, no mitigation actions are considered necessary to mitigate potential damage to tree roots.

4.6 Location of the Site Compound

4.6.1 The site compound, typically including the site office, mess facilities, toilets, storage of materials and parking, must be located away from, and outside the RPA of retained trees. Areas designated for the storage and/or mixing of chemicals, including petrol, diesel and oils must also be located away from, and outside the RPA of retained trees. Such areas should be constructed with consideration to, and contingencies for, the occurrence of spillages, preventing the leaching of chemicals into unprotected, open ground.

5. Post Construction Phase

5.1 Completion Meeting

- 5.1.1 Upon completion of the works as specified in **Section 4**, a JCA consultant will invite the Local Planning Authority representative to meet with them on site to agree on any remedial works which may be required.
- 5.1.2 Any necessary remedial works will be confirmed in writing and must be carried out in accordance with BS 3998: 2010 - *Recommendations for tree work*.
- 5.1.3 Due to the large potential penalties for illegally carrying out work to protected trees, JCA recommend that a further check is carried out prior to any works being undertaken post development.

5.2 Post Construction Landscaping

- 5.2.1 Following completion of the main construction phase, the protective fencing may be removed and the landscaping phase can commence.
- 5.2.2 Many of the trees on site may be subject to some form of landscaping or seeding beneath their canopies after the development phase.
- 5.2.3 Landscaping works should be carried out in such a way as to avoid ground level changes or deep digging within RPAs. Tractor mounted rotovation or other mechanised cultivation methods must not be used within the RPAs of retained trees.
- 5.2.4 Heavy machinery is not permitted in the vicinity of retained trees, unless otherwise stated in this method statement.
- 5.2.5 Herbicides should be appropriate for the purpose and should not be used in such a way as to damage any retained trees or vegetation.
- 5.2.6 If in doubt, regarding the impact of proposed landscape operations, please contact the appointed arboriculturalist.

6. Timescale of Works

6.1.1 The timescale for arboricultural requirements are summarised below:

Timescale	Action	✓	Initial
Stage 1	All requirements listed in the planning consent are approved by the Local Authority planning office.		
Stage 2	Undertake the tree works (as detailed at Appendix 1).		
Stage 3	Install the temporary protective fencing around the trees (as detailed at Appendix 2 and as shown on the Tree Protection Plan at Appendix 3).		
Stage 4	Have the Local Planning Authority inspect the fencing measures prior to any on site construction. Once inspected, the protective fencing must not to be moved or breached.		
Stage 5	Undertake the construction phase.		
Stage 6	Following the completion of the construction phase and when all site traffic and machinery has left, the protective fencing can be removed.		
Stage 7	Post construction remedial tree works to be undertaken (if required).		
Stage 8	Undertake the landscaping scheme.		

7. Relevant Contact Details

Contact Name	Organisation/Detail	Contact Number
Andrew Bussey	JCA Limited	01422 376335
Ed Jowett (Local Authority Tree Officer)	Barnsley Metropolitan Borough Council	01226 770770
Andrew Croft	Barratt David Wilson Yorkshire West	0113 3076850
Site Manager	To be confirmed	To be confirmed

Appendices

Tree Ref.	Age Common Name <i>Botanical Name</i>	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread N W E S	Observations	Recommendations Priority	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
T 1	Early-mature Sycamore <i>Acer pseudoplatanus</i>	7	4	4 S	29 #	2.5 # 3 # 3.5 # 3.5 #	Situated on adjacent land. Twin-stemmed at 1m with an unbalanced crown. Occasional pruning wounds yet no major visible defects.	No action required. n/a	GOOD	GOOD	MOD	MOD	20-40	C 2
T 2	Early-mature Cherry <i>Prunus sp.</i>	6	3	3 N	28 #	4 # 5 # 5 #	Situated on adjacent land. Multi-stemmed at 1m with a balanced crown. Occasional pruning wounds yet no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	MOD	20-40	C 2
T 3	Early-mature Common Ash <i>Fraxinus excelsior</i>	9	2	2.5 N	38	5 # 4 4 4	Twin-stemmed at 3m with a balanced crown which overhangs the footpath and the road. Occasional pruning wounds yet no major visible defects.	<i>Remove in order to facilitate the proposed access road.</i>	GOOD	GOOD	LOW	MOD	20-40	C 2
G 4	Semi-mature Hawthorn <i>Crataegus monogyna</i>	To 5	0 +	0 n/a	To 20	See plan.	Boundary trees of little significance, which are multi-stemmed at ground level with balanced crowns.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C 2
T 5	Early-mature Lombardy Poplar <i>Populus nigra 'Italica'</i>	17	1	1 S	45 #	3 0.5 4 # 3	Presumed to be located in adjacent land. Single stemmed and leaning with an unbalanced crown. No evidence of significant pruning. Significant bark wounds with decay. Deadwood noted. Limited inspection due to vegetation and restricted access.	No action required due to off site location. n/a	GOOD	FAIR	LOW	HIGH	10-20	C 2
T 6	Early-mature Lombardy Poplar <i>Populus nigra 'Italica'</i>	17	5	5 S	70 #	5.5 # 4 # 4 # 5.5	Presumed to be located in adjacent land. Multi-stemmed at 2m with an unbalanced crown. No evidence of significant pruning. Bark wounds with decay. Deadwood noted. Limited inspection due to vegetation and restricted access.	No action required due to off site location. n/a	GOOD	FAIR	LOW	HIGH	10-20	C 2
T 7	Early-mature Lombardy Poplar <i>Populus nigra 'Italica'</i>	16	4	4 S	52 #	2.5 # 4 # 3 # 4.5	Presumed to be located in adjacent land. Twin-stemmed at 2.5m with an unbalanced crown. No evidence of significant pruning. Deadwood noted. Limited inspection due to vegetation and restricted access.	No action required due to off site location. n/a	GOOD	FAIR	LOW	HIGH	10-20	C 2
G 8	Young to Semi-mature Goat Willow <i>Salix caprea</i>	To 6	2	2 n/a	To 23 #	See plan.	Situated on adjacent land. Four garden trees of good form. Bark wounds noted. Limited inspection due to restricted access.	No action required due to off site location. n/a	GOOD	FAIR	LOW	HIGH	20-40	C 2
H 9	Semi-mature Leylandii <i>Cupressocyparis leylandii</i>	To 4	0	0 n/a	To 15 #	See plan.	Situated on adjacent land. Maintained hedge with no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C 2
T 10	Young Hawthorn <i>Crataegus monogyna</i>	3.8	0	0 n/a	12	0.8 1.3 1.3 0.7	Multi-stemmed at ground level with a balanced crown. Occasional pruning wounds yet no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C 2

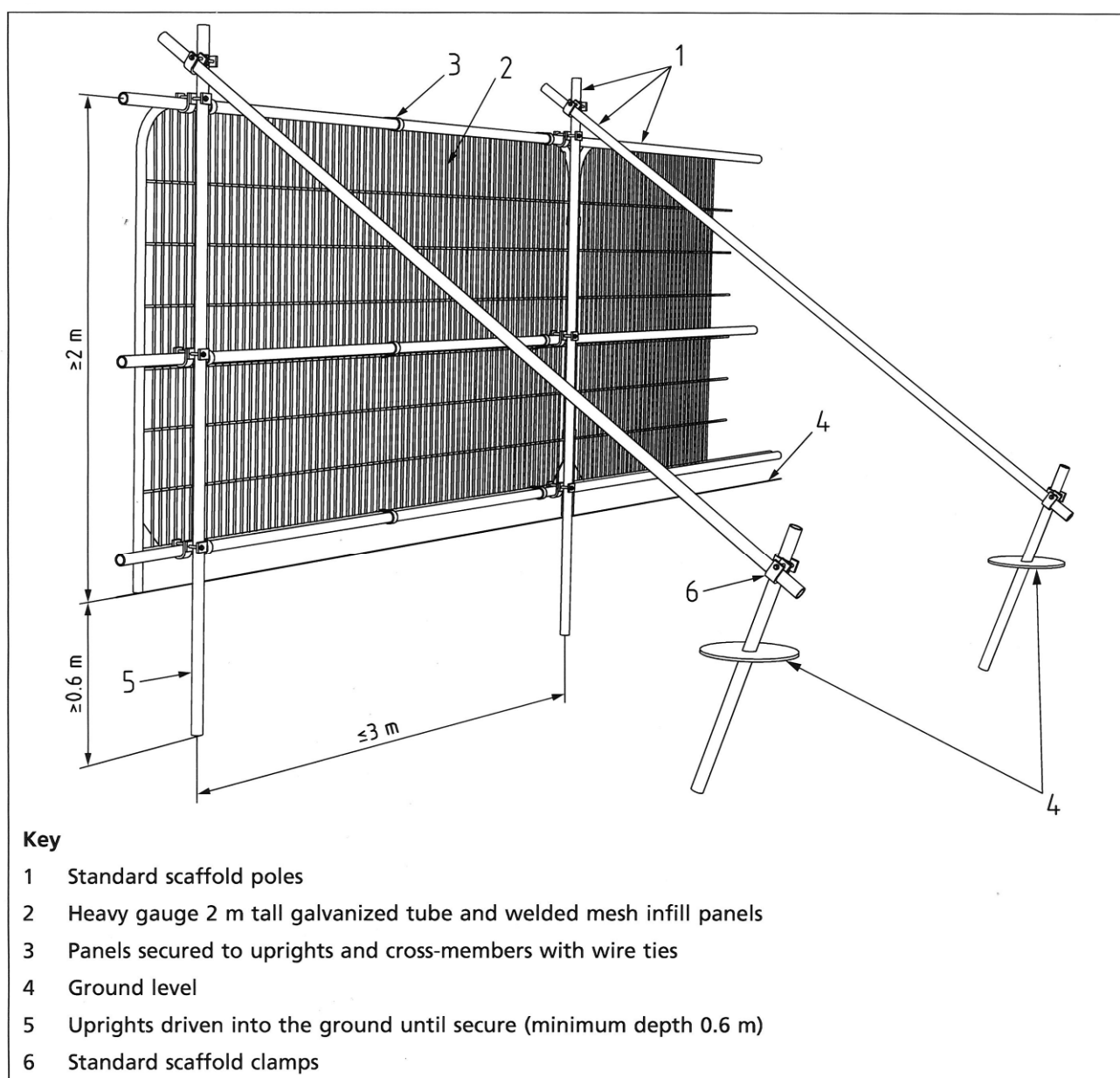
Tree Ref.	Age Common Name <i>Botanical Name</i>	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread N W E S	Observations	Recommendations Priority	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
H 11	Semi-mature Leylandii & Hawthorn <i>X Cupressocyparis leylandii & Crataegus monogyna</i>	To 4	0	0 n/a	To 15	See plan.	Partially on adjacent land. Maintained hedge with no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C 2
T 12	Early-mature Sycamore <i>Acer pseudoplatanus</i>	7	1	1 SW	35 #	4.5 # 4 # 4 # 4 #	Situated on adjacent land. Multi-stemmed at 2m with a balanced crown. Occasional pruning wounds yet no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	MOD	20-40	C 2
T 13	Semi-mature Rowan <i>Sorbus aucuparia</i>	5	0.5	0.5 E	16 #	3 # 3.5 # 2.5 # 2 #	Situated on adjacent land. Twin-stemmed at ground level with an unbalanced crown. Occasional pruning wounds. Bark scars to stem.	No action required. n/a	GOOD	GOOD	LOW	MOD	20-40	C 2
G 14	Semi-mature to early-mature Mixed <i>Mixed</i>	To 9	0 +	0 n/a	To 29 #	See plan.	Situated on adjacent land. Garden trees of good form. Species include Silver Birch, Plum, Common Alder and Common Beech. No major visible defects. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	MOD	40+	B 2
T 15	Semi-mature Rowan <i>Sorbus aucuparia</i>	5	1.5	1.5 n/a	18 #	2 # 3 # 3 # 1 #	Situated on adjacent land. Garden tree of poor form. Limited inspection due to restricted access.	No action required. n/a	GOOD	FAIR	LOW	MOD	10-20	C 2
G 16	Semi-mature to early-mature Mixed <i>Mixed</i>	To 6	0 +	0 n/a	To 25 #	See plan.	Situated on adjacent land. Garden trees of good form. Species include Rowan, Cherry and Apple. No major visible defects. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	MOD	40+	C 2
H 17	Semi-mature Cherry Laurel <i>Prunus laurocerasus</i>	To 2.5	0 +	0 n/a	To 10 #	See plan.	Situated on adjacent land. Maintained hedge with no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	MOD	20-40	C 2
T 18	Early-mature Common Alder <i>Alnus glutinosa</i>	13	2	2 S	26 #	4 # 3.5 # 3.2 # 3 #	Situated on adjacent land. Single stemmed and leaning with a balanced crown. No evidence of significant pruning and no major visible defects. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	MOD	40+	B 2
G 19	Early-mature Common Alder <i>Alnus glutinosa</i>	To 11	0 +	0 n/a	To 30 #	See plan.	Situated on adjacent land. Garden trees of good form. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	MOD	20-40	B 2
T 20	Semi-mature Silver Birch <i>Betula pendula</i>	12	2	2 S	25 #	3 # 2.5 # 3 # 2.5 #	Situated on adjacent land. Garden tree which is single stemmed and vertical with a balanced crown. No evidence of significant pruning and no major visible defects. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	LOW	20-40	B 2

Tree Ref.	Age Common Name <i>Botanical Name</i>	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread N W E S	Observations	Recommendations Priority	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
T 21	Semi-mature Rowan <i>Sorbus aucuparia</i>	4.5	1	1 n/a	18 #	3 # 3 # 3 # 3 #	Situated on adjacent land. Garden tree which is multi-stemmed at ground level with a balanced crown. Occasional pruning wounds yet no major visible defects. Limited inspection due to restricted access.	No action required. n/a	FAIR	GOOD	LOW	MOD	20-40	C	2
T 22	Mature Elder <i>Sambucus nigra</i>	3	0	0 n/a	19 #	2 # 1 # 1.5 # 1.5 #	Multi-stemmed at ground level with an unbalanced crown. No evidence of significant pruning. Decay to stem.	No action required. n/a	FAIR	FAIR	LOW	LOW	10-20	C	2
T 23	Early-mature Silver Birch <i>Betula pendula</i>	13	3	3 SE	40 #	5 # 6 # 5 #	Situated on adjacent land. Multi-stemmed at 3m with a balanced crown. Occasional pruning wounds. Garden tree with tree house built across low branches. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	LOW	20-40	B	2
H 24	Semi-mature to Early-mature Mixed <i>Mixed</i>	To 6	0	0 n/a	To 20	See plan.	Hedgerow which is partly in adjacent land. No major visible defects observed. Species include Cherry Laurel, Hawthorn and Privet.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C	2
T 25	Early-mature Sycamore <i>Acer pseudoplatanus</i>	4.5	0	0 n/a	To 28	3 # 3 # 3 # 3 #	Multi-stemmed at ground level with a balanced crown. Previously topped.	<i>Remove in order to facilitate the proposed building of Plot 1.</i>	GOOD	GOOD	LOW	MOD	10-20	C	2
T 26	Early-mature Common Oak <i>Quercus robur</i>	6	1	1 n/a	29 #	3.5 5 # 5 # 5 #	Situated on adjacent land. Multi-stemmed at 1.5m with a balanced crown. No evidence of significant pruning and no major visible defects. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	B	2
G 27	Early-mature Mixed <i>Mixed</i>	To 12	0 +	0 n/a	To 40	See plan.	Situated on adjacent land. Row of planted trees of good form. Providing boundary screening from industrial units. Species include Cherry, Goat Willow and Hawthorn. Limited inspection due to restricted access.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	B	2
G 28	Mature Black Poplar <i>Populus nigra</i>	To 16	0 +	0 n/a	To 85 #	See plan.	Three trees on boundary, each is multi-stemmed at 1m with an unbalanced crown. No evidence of significant pruning. Minor deadwood noted. Limited inspection due to vegetation and restricted access.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	B	2
G 29	Semi-mature to early-mature Common Oak & Hornbeam <i>Quercus robur & Carpinus betulus</i>	To 11	0 +	0 n/a	To 29 #	See plan.	Three trees of poor form in tight group. No major visible defects observed.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C	2
G 30	Young to semi-mature Mixed <i>Mixed</i>	To 7	0 +	0 n/a	To 20	See plan.	Intermittent self seeded trees adjacent to the footpath. Species include Hawthorn, Goat Willow, Elder and Oak.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20-40	C	2

Tree Ref.	Age Common Name <i>Botanical Name</i>	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread N W E S	Observations	Recommendations Priority	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category	
G 31	Early-mature Common Oak <i>Quercus robur</i>	To 13	0	0 n/a	To 48 #	See plan.	Row of good quality trees. Previously topped in places to provide clearance for overhanging power lines. Not fully inspected due to vegetation and poor access, yet no major visible defects observed.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	B	2
T 32	Early-mature Common Oak <i>Quercus robur</i>	7	0	0 n/a	47	5 5 5 5	Single stemmed and vertical with a balanced crown. No evidence of significant pruning and no major visible defects.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	B	2
G 33	Young to early-mature Mixed <i>Mixed</i>	To 14	0 +	0 n/a	To 45 #	See plan.	Woodland plantation which includes Common Oak, Silver Birch, Hawthorn, Common Alder and Goat Willow. Not fully inspected due to vegetation and poor access, yet no major visible defects observed.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	B	1 2
G 34	Early-mature Lombardy Poplar <i>Populus nigra 'Italica'</i>	To 17	0 +	0+ n/a	To 68	See plan.	Ten trees, each typically single stemmed and leaning with an unbalanced crown. No evidence of significant pruning. Deadwood, bark scars and decay cavities noted.	<i>Remove the tree trees shown in red in the attached plan in order to facilitate the proposed access road. Monitor annually.</i> Low	FAIR	FAIR	LOW	HIGH	20-40	C	2
G 35	Early-mature Lombardy Poplar <i>Populus nigra 'Italica'</i>	To 17	0	0 n/a	To 68	See plan.	Four trees with severe defects rendering them unsafe.	Remove. Low	POOR	POOR	LOW	HIGH	<10	U	

Appendix 2: Protective Barrier

A2.1 The protective barrier will be installed in accordance with BS5837: 2012. The default specification of BS 5837: 2012 (pictured below for reference) recommends a vertical and horizontal, scaffold framework, well braced to resist impacts, with vertical tubes at no more than 3m intervals. These should be driven into the ground. Weld mesh panels/should be affixed to this framework with scaffold clamps.



Protective Barrier to BS 5837: 2012. To be used where situated in open ground.

TREE PROTECTION ZONE

NO STORAGE OR OPERATIONS WITHIN THIS AREA

KEEP OUT

RESTRICTED ACCESS

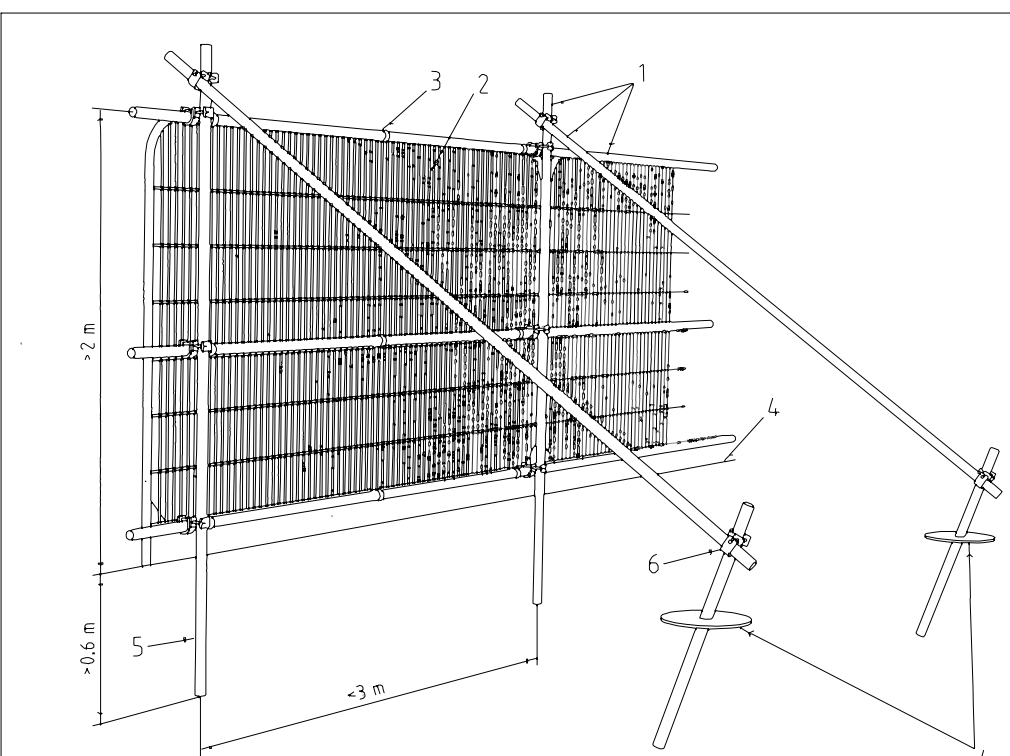
NO VEHICLES

NO STORAGE OF MATERIALS

REPORT TREE DAMAGE TO JCA LTD ON

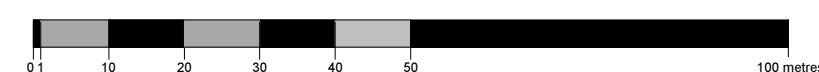
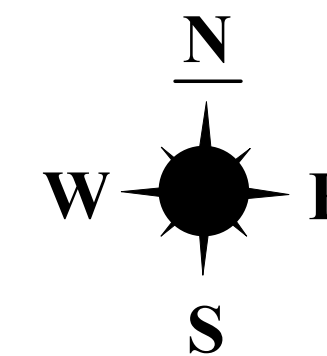
01422 376 335

Default specification for a protective barrier



Key

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



Appendix 3:
Tree Protection Plan

Land Off Dearne Hall Road, Low Barugh,
Barnsley, South Yorkshire.
JCA Ref: 13196-A/AJB.

SCALE: 1:1000 PAPER SIZE : A1

SURVEYED BY: AJB DRAWN BY: AJB APPROVED BY: SR

	TREE TO BE RETAINED
	TREE TO BE REMOVED
	STEM OF TREE TO BE RETAINED
	STEM OF TREE TO BE REMOVED
	ROOT PROTECTION AREA (RPA)
	PROTECTIVE FENCE LINE (CEZ)

I hope that this report provides all the necessary information, but should any further advice be needed please do not hesitate to contact the author.

Signed



.....

Andrew Bussey.

14th November 2016

For and on behalf of **JCA Ltd**

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- Personal Injury and Accident Investigation
- Expert Witness, Planning Inquiries and Appeals

Advice for Engineers, Loss Adjusters and Insurers

- Tree Surveys for Subsidence
- Heave Assessment
- Tree Root Identification

Veteran Tree Management

- Ancient Woodland Management
- Veteran Tree Management

Advice for Local Authorities and Social Housing

- Tree Safety Surveys
- Specialist Decay Detection
- Landscape and Orchard Design

Tree Health and Pest and Disease Management

- Pest and Disease Surveys
- Tree Health Checks
- Disease Mitigation and Control

ECOLOGICAL SERVICES

Ecological Pre-Planning Services

- Phase 1 Habitat Surveys
- Great Crested Newt eDNA Sampling
- Protected Species: Bat, Wintering and Nesting Bird, Badger, Amphibian, Otter, Water Vole, White-Clawed Crayfish, Dormice and Reptile Surveys.
- Preparation for Environmental Impact Assessment (EIA)
- Invasive Species Surveys
- Code for Sustainable Homes

Ecological Post-Planning Services

- Biodiversity Enhancement Plans
- Protected Species Mitigation
- Ecological Management (Bat and Bird box installation and inspection)

HEAD QUARTERS:

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