

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

at

**Hagg Wood Quarry
Woodhead Road
Honley
Huddersfield
West Yorkshire
HD9 6PW**

Client:

Abacus Stone Sales

Client Address:

The Griffin Lodge
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Huddersfield
West Yorkshire
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Client Telephone:

01484 431043

JCA Ref:

12757-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 **Hagg Wood Quarry, Woodhead Road, Honley**.

1.2 Terms of Reference

- 1.2.1 We are instructed by **Allan Pogson of Abacus Stone Sales** to prepare a Method Statement for the proposed development, based on our arboricultural report dated 9th November 2016 (JCA Ref: **12757/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 re-utilise a former quarry area located to the northern aspect of the site as a reclaimed stone yard.
- 1.2.3 In order facilitate this proposal, a number of trees which have grown within the former quarry workings shall require removal in order to regain storage space or to allow for the passage of vehicles.
- 1.2.4 Our client intends to retain as many trees as possible within his ownership, as such a significant band of trees is to remain in place close to the site boundary of the proposed stone reclamation yard in order to act as a green visual buffer between his business and the surrounding Hagg Wood.
- 1.2.5 The following drawings have been provided and these are the basis of the Method Statement and the Tree Protection Plan at **Appendix 2**:
- Topographical Survey (Drawing No. **7248/1**).
 - Development Layout (Drawing No: **(0-) 01 Site Plan**).

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 all contractors, and can form part of their schedule of work.
- 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 All trees to be removed are to be spray-marked on site once they have been agreed upon by the LPA and prior to the commencement of the tree works.
- 2.1.3 Please note that due to the wooded aspect of the site which is bordered to the north west and south by Hagg Wood, mitigative replacement tree planting has not been offered on this occasion.
- 2.1.4 The tree works include:
- The removal of **G13, T15, T24, T27, T33, T37, T43, G52, T60** and **T61**, for arboricultural and general management reasons.
 - The removal of **T31, T32, T34, T35, T36, G38, G39, T41, G42, G45, T46, T47, G48, G51, T53, T54, T55** and **G56**, to facilitate the proposed development.
 - The pruning of **T7, T9, T10, T28, T29, T44, T49, T50, T59** and **T66**, for arboricultural and general management reasons.
 - The root pruning of **T44**, to facilitate the 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 other than the root pruning detailed below.
- 2.2.2 However; 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**.
- 2.2.3 The root pruning of **T44** is required in order to enable the excavation of the access route from the southern portion of the site through to the proposed reclamation yard to the north.
- 2.2.4 The degree of root pruning can be seen in blue on the attached plan at **Appendix 2** and will be carried out under arboricultural supervision. Where roots are to be severed then clean, straight cuts must be made, in order to minimise the extent of wounding.

2.3 Tree Works Post Construction

2.3.1 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.

2.4.3 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. Tree Protection

3.1 Tree Protection During the Development Phase

3.1.1 In this instance, due to site constraints which include the difficult terrain and ground level changes associated with a quarry, it is not deemed practicable to install a protective barrier around trees in the form of fencing.

3.1.2 As such, all exposed Root Protection Areas (RPA's) must be considered to be a Construction Exclusion Zone (CEZ); **this area is to be considered a restricted area; no pedestrians, vehicles, storage of materials, burning of materials, equipment or machinery are allowed within the CEZ unless specified within this Method Statement.**

3.1.3 Please note that the Construction Exclusion Zone remains in place prior to, during and after the onset of the development phase.

4. Post Construction Phase

4.1 Completion Meeting

- 4.1.1 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.
- 4.1.2 Any necessary remedial works will be confirmed in writing and must be carried out in accordance with BS 3998: 2010 - *Recommendations for tree work*.
- 4.1.3 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. Timescale of Works

- 5.1 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	Undertake the development phase, root pruning to be utilised under supervision for T44 , as detailed in Section 2.2 .		
Stage 4	Once the development phase is complete invite the Local Planning Authority to inspect the site and agree on any tree works which may be required.		

6. Relevant Contact Details

Contact Name	Organisation/Detail	Contact Number
Andrew Bussey	JCA Limited	01422 376335
Joe Robertson	Kirklees Metropolitan Borough Council	01484 221589
Allan Pogson	Abacus Stone Sales	01484 431043

Appendices

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					W	E	S								
	Botanical Name								Priority							
G 1	Early-mature to mature English Oak <i>Quercus robur</i>	To 17	0	0 n/a	To 65	See plan			Situated on adjacent land. Six trees of vertical and balanced form. Minor deadwood noted. No major visible defects.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	B 1
T 2	Mature English Oak <i>Quercus robur</i>	16	2	2 n/a	68	4	5	4.5	The crown overhangs the footpath and road. Single-stemmed and vertical with a balanced crown containing moderate deadwood (not a danger to the road). No evidence of significant pruning. No major visible defects.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 B 2
T 3	Semi-mature English Oak <i>Quercus robur</i>	8	6	6 E	38	3	6	4	The crown overhangs the footpath and road. Twin-stemmed at 0.5m with an unbalanced crown. No evidence of significant pruning. Suppressed form.	No action required. n/a	GOOD	FAIR	MOD	HIGH	20+	C 1
T 4	Early-mature Sycamore <i>Acer pseudoplatanus</i>	15	7	7 n/a	38	3	4	4	The crown overhangs the footpath and road. Single-stemmed and vertical with a slightly unbalanced and suppressed crown. No evidence of significant pruning. No major visible defects.	No action required. n/a	GOOD	FAIR	MOD	MOD	20+	C 1
T 5	Early-mature Sycamore <i>Acer pseudoplatanus</i>	13	5	5 n/a	28	2.5	3	2	The crown overhangs the footpath and road. Single-stemmed and vertical with a slightly unbalanced and suppressed crown. No evidence of significant pruning. No major visible defects.	No action required. n/a	GOOD	FAIR	MOD	MOD	20+	C 1
T 6	Early-mature English Oak <i>Quercus robur</i>	15	1	4 E	50	6	5	5	Located overhanging the edge of the quarry working area. Single-stemmed and vertical with a balanced crown containing minor deadwood. No evidence of significant pruning. No major visible defects.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 B 2
T 7	Early-mature English Oak <i>Quercus robur</i>	12	1	2 E	36	3.5	2	3.5	Located overhanging the edge of the quarry working area. Single-stemmed and vertical with an unbalanced and sparse crown. Deadwood noted throughout.	Crown clean to remove the deadwood. Low	GOOD	FAIR	LOW	HIGH	20+	C 1
T 8	Mature English Oak <i>Quercus robur</i>	16	4	4 n/a	75	7	7	7	Located overhanging the edge of the quarry working area. Twin-stemmed at 1m with a balanced crown. No evidence of significant pruning.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 B 2
T 9	Early-mature English Oak <i>Quercus robur</i>	13	4	4 n/a	49	6	3	3	Located overhanging the edge of the quarry working area. Single-stemmed and vertical with an unbalanced crown containing moderate deadwood. No evidence of significant pruning.	Crown clean to remove the deadwood. Low	GOOD	GOOD	MOD	HIGH	40+	1 B 2
T 10	Semi-mature English Oak <i>Quercus robur</i>	11	6	6 n/a	30	2	0	2.5	Located overhanging the edge of the quarry working area. Single-stemmed and vertical with an unbalanced and suppressed crown containing deadwood. No evidence of significant pruning.	Crown clean to remove the deadwood. Low	GOOD	FAIR	LOW	HIGH	20+	C 1

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	Common Name					N W E S								
G 11	Young to semi-mature Mixed	To 15	0	0 n/a	To 35	See plan	Mixed woodland group of English Oak, Silver Birch, Rowan, Beech, Sycamore and Holly. Deadwood, decay cavities and other minor defects noted.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 B 2
T 12	Mature English Oak <i>Quercus robur</i>	16	5	5 n/a	70	7 7 7	Twin-stemmed at 6m with a balanced crown. No evidence of significant pruning. No major visible defects. Moderate deadwood noted.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2
G 13	Young Mixed	To 7	0	0 n/a	To 14	See plan	Self-seeded Goat Willow, Silver Birch, English Oak and Holly located within 1m of the edge of the working quarry. The removal of these trees is requested in order to prevent them from destabilising the quarry edge.	Remove all trees below 15cm in diameter which are within 1m of the quarry edge. Poison all stumps to prevent re-growth. Low	GOOD	FAIR	LOW	HIGH	10+	U
G 14	Young to semi-mature Mixed	To 13	0	0 n/a	To 38	See plan	Mixed group of English Oak, Silver Birch and Rowan. Deadwood, decay cavities and other minor defects noted.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 B 2
T 15	Early-mature English Oak <i>Quercus robur</i>	13	4	1 E	36	2 1 6 2	Located overhanging the edge of the quarry working area. Single-stemmed and vertical with an unbalanced crown. Decay present at the stem junction.	Remove. Low	GOOD	POOR	LOW	HIGH	<10	U
G 16	Young to early-mature Mixed	To 15	0	0 n/a	To 37	See plan	A group of Silver Birch, English Oak and Rowan encroaching the quarry edge. Deadwood, decay cavities and other minor defects noted.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2
W 17	Young to mature Mixed	To 17	0	0 n/a	To 50	See plan	Situated on adjacent land. A group of Silver Birch, English Oak and Holly woodland. Not fully inspected due to limited access. Overhead power lines are located beyond the eastern aspect of this group.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 A 2
G 18	Young to mature Mixed	To 17	0	0 n/a	To 50	See plan	A woodland of Silver Birch, English Oak, Holly and Rowan encroaching the quarry edge. Deadwood, decay cavities and other minor defects noted. Overhead power lines are located beyond the eastern aspect of this group.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 B 2
G 19	Mature Mixed	To 16	0	0 n/a	To 50	See plan	Situated on adjacent land. English Oak, Silver Birch and Holly of one sided form due to past pruning for overhead power lines.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 20	Mature English Oak <i>Quercus robur</i>	16	5	5 n/a	68	6 6 4	Single-stemmed and vertical with a slight unbalanced crown due to past pruning for overhead power lines. Minor deadwood noted. Acceptable condition at present.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2

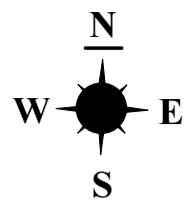
Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations Priority	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name Botanical Name					N	W	E								
T 21	Early-mature English Oak <i>Quercus robur</i>	15	7	7 n/a	35	3 4 2		4	Single-stemmed and vertical with an unbalanced crown. No evidence of significant pruning. No major visible defects.	No action required. n/a	GOOD	GOOD	LOW	HIGH	20+	1 C 2
G 22	Early-mature English Oak <i>Quercus robur</i>	To 13	0	0 n/a	To 50	5 3		4	Two trees growing close together and forming one homogeneous crown. Pruned in the past to gain clearance from overhead lines.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 23	Early-mature English Oak <i>Quercus robur</i>	To 15	0	0 n/a	To 40	See plan			Five trees with a reasonable yet one sided form due to past pruning for overhead power lines.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 24	Semi-mature English Oak <i>Quercus robur</i>	6	1	1 n/a	10	1 1		1	A standing dead tree which presents little health and safety risk and has good habitat potential.	No action required. n/a	DEAD	DEAD	DEAD	HIGH	DEAD	U
G 25	Young Silver Birch <i>Betula pendula</i>	To 5	0	0 n/a	To 10	See plan			A dense group of self-seeded trees of little significance.	No action required. n/a	GOOD	GOOD	LOW	LOW	20+	C 1
T 26	Early-mature English Oak <i>Quercus robur</i>	8	2	2 n/a	30	4 2 6		3	Located close to the edge of the quarry working area. Single-stemmed and leaning with an unbalanced crown and a poor form. Minor deadwood noted as well as broken branches.	No action required. n/a	GOOD	FAIR	LOW	HIGH	10+	C 1
T 27	Early-mature English Oak <i>Quercus robur</i>	10	4	7 n/a	35	4 5 4		6	Twin-stemmed at ground level with an unbalanced crown and a poor form. Located close to overhead power lines. Significant decay to stem.	Remove. Low	FAIR	POOR	LOW	HIGH	<10	U
T 28	Early-mature English Oak <i>Quercus robur</i>	14	1	4 n/a	45	4.5 5		4	Located close to the edge of the quarry working area. Single-stemmed and vertical with a balanced crown. No evidence of significant pruning. No major visible defects. Minor deadwood noted.	Crown clean to remove the deadwood. Low	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 29	Early-mature English Oak <i>Quercus robur</i>	13	6	5 n/a	41	6 4.5 5		3.5	Single-stemmed and vertical with a balanced crown. No evidence of significant pruning. No major visible defects. Moderate deadwood noted.	Crown clean to remove the deadwood. Low	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 30	Early-mature English Oak <i>Quercus robur</i>	12	1	2 n/a	40	1.5 3 3.5		4.5	Single-stemmed and leaning with an unbalanced crown and a kinked stem. No evidence of significant pruning.	No action required. n/a	GOOD	FAIR	LOW	HIGH	20+	1 C 2

Tree Ref.	Age Common Name Botanical Name	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations Priority	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
						N	W	E								
T 31	Early-mature Silver Birch <i>Betula pendula</i>	17	1	4 E	40	2 3.5	5		Situated on adjacent land. Twin-stemmed at ground level with an unbalanced crown and a poor form. Pruned in the past to gain clearance from overhead lines.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	LOW	20+	C 1
T 32	Early-mature English Oak <i>Quercus robur</i>	14	3	3 n/a	48	4.5 5	7		Single-stemmed and vertical with a balanced crown. No evidence of significant pruning. No major visible defects. Moderate deadwood noted.	Remove to facilitate the proposed development.	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 33	Early-mature Silver Birch <i>Betula pendula</i>	14	9	9 n/a	38	0 5	4		Single-stemmed and leaning with an unbalanced crown. Significant decay to stem. Close to overhead power lines.	Remove. Low	POOR	POOR	LOW	LOW	<10	U
T 34	Semi-mature English Oak <i>Quercus robur</i>	8	1	3 N	26	5 0	2.5		Single-stemmed and leaning with an unbalanced crown and a poor form. No evidence of significant pruning.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	HIGH	20+	C 1
T 35	Early-mature English Oak <i>Quercus robur</i>	15	5	5 n/a	43	5.5 5	5.5		Single-stemmed and vertical with a balanced crown. No evidence of significant pruning. No major visible defects.	Remove to facilitate the proposed development.	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 36	Early-mature English Oak <i>Quercus robur</i>	12	4	4 n/a	40	5 3.5 5	6		Single-stemmed and vertical with a slight unbalanced crown. No evidence of significant pruning. Located on what appears to be made ground.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	HIGH	10+	C 1
T 37	Early-mature Scots Pine <i>Pinus sylvestris</i>	9	6	0 n/a	35	3 2 3	4.5		Located close to the edge of the quarry working area. Single-stemmed and vertical with an unbalanced crown. Significant broken branches throughout.	Remove. Moderate	FAIR	POOR	LOW	MOD	<10	U
G 38	Young to semi-mature Mixed	To 14	0	0 n/a	To 28	See plan			Located close to the edge of the quarry working area. English Oak, Silver Birch and Holly which are generally of a poor and leaning form. Occasional dead trees noted.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	HIGH	20+	C 1
G 39	Young Silver Birch & Goat Willow <i>Betula pendula</i> & <i>Salix caprea</i>	To 4	0	0 n/a	To 10	See plan			Self-seeded trees of little significance.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	HIGH	10+	C 1
W 40	Young to mature Mixed	To 18	0	0 n/a	To 70	See plan			Situated on adjacent land. A good quality English Oak, Silver Birch, Rowan, Holly, Sycamore woodland of good quality. Not fully inspected due to limited access.	No action required. n/a	GOOD	GOOD	MOD	HIGH	40+	1 A 2

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					W	N	E								
	Botanical Name															
T 41	Early-mature Silver Birch <i>Betula pendula</i>	16	6	6 n/a	27	4	1	1.5	Single-stemmed and vertical with an unbalanced crown and a poor form due to pruning for overhead lines.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	LOW	20+	C 1
G 42	Young to semi-mature Mixed	To 10	0	0 n/a	To 20	See plan			Self-seeded Silver Birch and Goat Willow of poor form located on made ground.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	HIGH	10+	C 1
T 43	Early-mature Silver Birch <i>Betula pendula</i>	16	4	3.5 S	30	3	4	6.5	Single-stemmed and vertical with an unbalanced crown and a poor form. Snapped out and contorted branch noted in the crown.	Remove. Low	FAIR	POOR	LOW	LOW	<10	U
T 44	Mature English Oak <i>Quercus robur</i>	16	4	5 E	61	6	7	6.5	Single-stemmed and vertical with a balanced crown. No evidence of significant pruning. No major visible defects. Minor deadwood and a broken branch in the lower crown noted.	Crown clean to remove the deadwood. Root Prune under supervision. Low	GOOD	GOOD	LOW	HIGH	40+	1 B 2
G 45	Young Silver Birch <i>Betula pendula</i>	To 8	4	4 n/a	To 15	2	1.5	0	Two trees of little significance, both are single-stemmed and leaning with a unbalanced crowns and poor forms.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	LOW	10+	C 1
T 46	Early-mature Silver Birch <i>Betula pendula</i>	15	9	9 n/a	33	4.5	3	1	Single-stemmed and vertical with an unbalanced crown. No evidence of significant pruning. No major visible defects.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	LOW	20+	C 1
T 47	Early-mature English Oak <i>Quercus robur</i>	13	0	0 n/a	47	5	6	7.5	Single-stemmed and vertical with a slightly unbalanced and contorted crown form. No evidence of significant pruning. Decay cavity present at 3m on the main stem.	Remove to facilitate the proposed development.	FAIR	FAIR	LOW	HIGH	10+	C 1
G 48	Semi-mature Mixed	To 15	0	0 n/a	To 38	See plan			A dense group of self-seeded Goat Willow, Silver Birch, Sycamore and Holly regeneration located on made ground.	Remove to facilitate the proposed development.	GOOD	GOOD	LOW	HIGH	20+	C 1
T 49	Early-mature English Oak <i>Quercus robur</i>	16	0	1.5 SE	32	3	4.5	5	Single-stemmed and vertical with an unbalanced crown. No evidence of significant pruning. No major visible defects. Possibly located on made ground. The lowest branch is defective.	Remove the lowest branch. Low	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 50	Early-mature English Oak <i>Quercus robur</i>	16	0	4 n/a	46	4.5	5	3	Single-stemmed and vertical with a slightly unbalanced crown. Possibly located on made ground. Minor deadwood noted.	Crown clean to remove the deadwood. Low	GOOD	GOOD	LOW	HIGH	40+	1 B 2

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					W	E	S								
	Botanical Name								Priority							
G 51	Young to semi-mature Mixed	To 14	0	0 n/a	To 30	See plan			Silver Birch, Goat Willow, English Oak, Sycamore and Elder. A dense swathe of self-seeded trees of a poor in general located on an area of made ground.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	HIGH	20+	1 C 2
G 52	Semi-mature Silver Birch <i>Betula pendula</i>	15	4	4 n/a	22+ 22	3	6	3	Two trees of severely leaning form which are in a state of near collapse located on made ground.	Remove. Low	FAIR	POOR	LOW	LOW	<10	U
T 53	Early-mature Silver Birch <i>Betula pendula</i>	16	6	6 n/a	39	5	4	4	Located within G51 on an area of made ground. Single-stemmed and slightly leaning with a slightly unbalanced crown. No evidence of significant pruning.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	LOW	20+	C 1
T 54	Early-mature Silver Birch <i>Betula pendula</i>	16	8	8 n/a	34	2	3	2	Located within G51 on an area of made ground. Single-stemmed and slightly leaning with a slightly unbalanced crown. No evidence of significant pruning.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	LOW	20+	C 1
T 55	Early-mature Sycamore <i>Acer pseudoplatanus</i>	17	6	6 n/a	60	6	6	6	Located within G51 on an area of made ground. Single-stemmed and vertical with a balanced crown and a stem kink at the base.	Remove to facilitate the proposed development.	GOOD	FAIR	LOW	MOD	20+	1 C 2
G 56	Young to early-mature Mixed	To 15	0	0 n/a	To 60	See plan			A well established group of English Oak, Silver Birch and Goat Willow of reasonable form which are located on what appears to be made ground.	Remove to facilitate the proposed development.	GOOD	GOOD	LOW	HIGH	40+	1 B 2
G 57	Young to early-mature Mixed	To 17	0	0 n/a	To 8	See plan			A group of English Oak, Silver Birch, Rowan and Holly of reasonable form which appear to be partly located on made ground. Deadwood, decay cavities and other defects noted.	No action required. n/a	GOOD	GOOD	LOW	HIGH	40+	1 B 2
T 58	Semi-mature English Oak <i>Quercus robur</i>	12	8	3.5 n/a	31	1	4.5	3.5	The crown overhangs the footpath and road. Single-stemmed and vertical with an unbalanced crown and a suppressed form. Slight decay noted at the base.	Monitor biennially. Low	GOOD	FAIR	MOD	HIGH	20+	1 C 2
T 59	Mature Scots Pine <i>Pinus sylvestris</i>	17	5	5 n/a	63	5	6	6	The crown overhangs the footpath and road. Single-stemmed and vertical with a balanced crown. Significant hanging broken branches throughout as well as moderate deadwood.	Crown clean to remove the deadwood and broken branches. High	GOOD	POOR	MOD	MOD	20+	1 B 2
T 60	Semi-mature English Oak <i>Quercus robur</i>	7	2	2 n/a	27	5	4	3	The crown overhangs the footpath and road. Single-stemmed and leaning with a balanced crown and a poor form. Limited long term future.	Remove. Low	FAIR	GOOD	LOW	HIGH	<10	U

Tree Ref.	Age	Height (m)	Crown Height (m)	Height (m) and Direction of the Lowest Branch	Diameter (cm)	Crown Spread			Observations	Recommendations	Physiological Condition	Structural Condition	Amenity Value	NHBC Water Demand	Life Expectancy (yrs)	Retention Category
	Common Name					Priority	N	W		E						
T 61	Early-mature Silver Birch <i>Betula pendula</i>	13	6	6 n/a	50	3 4	4	3	Single-stemmed and slightly leaning with a slightly unbalanced crown containing significant dieback. This tree has good ecological potential	Reduce to 7m leaving the stem as wildlife habitat. Low	POOR	POOR	LOW	LOW	<10	U
T 62	Early-mature Scots Pine <i>Pinus sylvestris</i>	15	4	4 n/a	49	2 4	4	4	The crown overhangs the footpath and road. Single-stemmed and vertical with a slightly unbalanced yet sparse crown. No evidence of significant pruning.	No action required. n/a	FAIR	GOOD	MOD	MOD	20+	1 B 2
T 63	Early-mature Silver Birch <i>Betula pendula</i>	9	5	5 n/a	30	4 4	2	4	The crown overhangs the footpath and road. Single-stemmed and leaning with a slightly unbalanced crown and a poor form. Minor decay cavities to the main stem.	No action required. n/a	GOOD	FAIR	MOD	LOW	20+	C 1
T 64	Early-mature English Oak <i>Quercus robur</i>	10	5	5 n/a	30	3 4.5	3	5	The crown overhangs the footpath and road. Single-stemmed and leaning with a slightly unbalanced crown and a poor form.	No action required. n/a	GOOD	FAIR	MOD	HIGH	20+	C 1
T 65	Semi-mature Silver Birch <i>Betula pendula</i>	14	3	3 n/a	30	4 1	1	4	The crown overhangs the footpath and road. Single-stemmed and leaning with a slight unbalanced crown poor form.	No action required. n/a	GOOD	FAIR	LOW	LOW	20+	C 1
T 66	Early-mature Sycamore <i>Acer pseudoplatanus</i>	12	4	4 n/a	40 x 3	5 6	4	6	The crown overhangs the footpath and road. Multi-stemmed at ground level with a balanced crown containing moderate deadwood. A dirt pocket is present at the stem junction. Possible weak unions.	Crown clean to remove the deadwood. Monitor annually. Moderate	GOOD	FAIR	MOD	MOD	20+	C 1



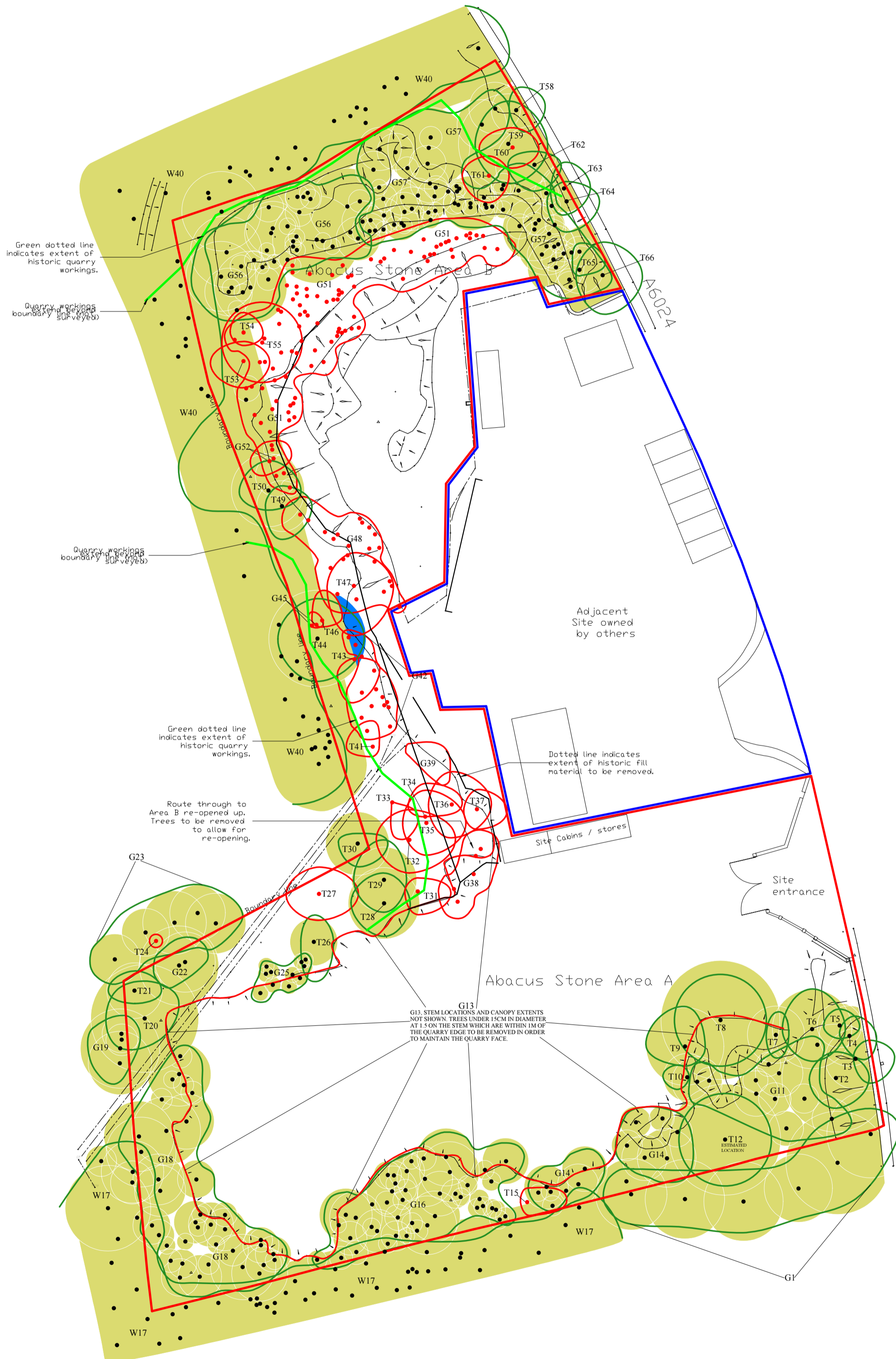
Appendix 1: Tree Protection Plan

ADDRESS: Hagg Wood Quarry, Woodhead Road, Honley, Huddersfield, West Yorkshire. HD9 6PW. JCA REF: 12757-A/AJB.

SCALE: 1:500 PAPER SIZE: A2

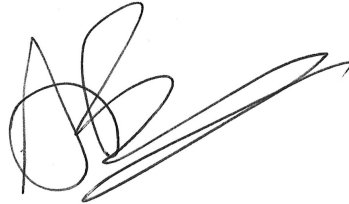
SURVEYED BY: AJB DRAWN BY: AJB APPROVED BY: TP

	TREE TO BE RETAINED
	TREE TO BE REMOVED
	STEM OF TREE TO BE RETAINED
	STEM OF TREE TO BE REMOVED
	ROOT PROTECTION AREA (RPA)
	ROOT PROTECTION AREA ENCRUSHED BY THE REQUIRED EXCAVATIONS. ROOT PRUNING TO BE UNDERTAKEN IN THIS AREA UNDER ARBORICULTURAL SUPERVISION.



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.

9th November 2016

For and on behalf of *JCA Ltd*

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- Ancient Woodland Management
- Veteran Tree Management

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- 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)

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