



Location:
**South Tyneside College Site,
South Shields**

Report Type:
Arboricultural Method Statement

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1 Introduction

1.1 This arboricultural method statement has been prepared by Charles Prowse of Elliott Consultancy Ltd at the request of the client. It will provide details regarding the retention and protection of trees during demolition and redevelopment of the South Tyneside College site, St Georges Avenue, South Shields.

1.2 **Scope of the report:**

- This method statement provides arboricultural information and advice in relation to the demolition and redevelopment of the South Tyneside College site, as detailed within Appendices 4 and 5.
- It will outline any trees to be removed prior to development and those to be retained along with any pruning required. Also provided are details of all measures recommended for adequate tree protection including any special construction measures to be utilised.
- It should be used to guide the demolition and construction process to minimise potential damage to retained trees.
- It will detail, within the Arboricultural Tasks Sequence Table (Appendix 1), a timescale for implementation of these tree works and protective measures in reference to the development period.

1.3 **Prior to site works commencing, and in particular ground preparation, this Arboricultural Method Statement needs to be passed to the site manager and used as reference during the development period, with particular attention paid Sections 3-5, and Appendices 1-10.**

2 Site Information

- 2.1 The site originally surveyed and the extent of that covered by this method statement is the South Tyneside College site, St Georges Avenue, South Shields. Figure 1 shows the extent of the area.

Figure 1: Area covered highlighted



Map data ©Google Imagery

- 2.2 The site, which measures 9.4ha, houses numerous buildings, car parking areas and recreational spaces that make up the college. The site is surrounded by residential properties.
- 2.3 Trees are distributed throughout the site. Some have been planted around the college infrastructure, but a large number predate the college, especially the avenue located within the sports field. There are a few trees located within adjacent properties which have an influence within the site. Lack of direct access means that a full assessment of trees within adjacent properties was not possible but pertinent constraints information was collected.

3 Site Preparation Prior to Demolition and Construction

- 3.1 Refer to Appendix 1 for stage specific tasks.
- 3.2 Prior to any site works commencing, the following arboricultural specific actions need to be implemented:
- a) An arboricultural contractor should be sought, and the tree works recommended within Appendix 2 undertaken.
 - b) A supplier needs to be sought to provide the tree protection barriers as specified within Appendix 6. Three different types of barriers will be used, depending on location. The standard BS5837 specification will be used in high-traffic areas, weldmesh panels bolted to wooden fenceposts will be used in areas subject to less intensive operations, and a 1800mm high timber-clad plot boundary fence will be installed where its proposed position provides adequate tree protection.
 - c) A supplier needs to be sought for the ground protection, as specified within Appendix 7, and for the tree stem impact protection mats, e.g. GGS Trunk Protecta as indicated in Figure 2.

Figure 2: Tree Stem Protection



- 3.3 Once the aforementioned tasks have been completed and prior to any site work the tree protection features need to be erected as per the Tree Protection Plans (Appendices 4 & 5). Construction and demolition works will be phased with tree protection measures installed for each. The site manager will be responsible for ensuring that the protection features are installed ahead of phase commencement and keeping the project arboriculturalist up to date with progress.

- 3.3.1 The barriers need to be installed according to the locations found on the Tree Protection Plans, Appendices 4 and 5 and conform to the specification within Appendix 6. Different variants of barriers have been agreed for use with the LPA's Tree Officer. The variants are colour-coded on the Tree Protection Plans. All weather notices should be attached to the fencing marked with the following: '*Construction Exclusion Zone - Keep Out*' (a notice is provided within Appendix 9). **NOTE: the positions of tree protection barriers alter between the demolition phase and construction phase tree protection plans.**
- 3.4 Material storage and site offices must be confined to areas outside root protection areas.
- 3.5 A copy of the Tree Protection Plan must be displayed outside the site office.

4 Tree Protection Measures during Demolition and Development

- 4.1 Refer to Appendix 1 for stage specific tasks.
- 4.2 All ground levels where trees are located should be maintained. Changes to soil levels adjacent to trees can severely affect the trees structural integrity and its ability to gain moisture and nutrients from the surrounding soil. Unavoidable level changes that may affect retained trees, and not already accounted for within this method statement, should be assessed by the project arboriculturalist.
- 4.3 Building material storage and operations that can contaminate soil, such as cement mixing, must be confined to areas outside the tree protection zones.
- 4.4 Fires should not be lit within 5m of the foliage or drip line of the tree. Care should be taken, and the fire should not be allowed to become large, and the wind direction noted.
- 4.5 The trees should not be used to attach notices, cables or other services.
- 4.6 The installation of any underground services near or adjacent to trees on the site shall conform to the requirements of National Joint Utilities Group (NJUG) publication Volume 4 (November 2007). The intended service routes are noted upon the Tree Protection Plan, Appendix 3. Additional information regarding excavations within root protection areas are provided within Appendix 6.
- 4.7 At the beginning of the demolition and construction phases, the site manager will appoint a delegated site representative who shall be responsible for continued checking of the protective barriers to ensure it is compliant with the exclusion zone. Appendix 10 contains a record sheet that can be copied for such use.
- 4.8 As recommended within BS 5837:2012, and specified within the Arboricultural Tasks Sequence Table, the development site should be visited by the project arboriculturalist on occasions to provide any arboricultural advice necessary and to ensure the efficacy of the Tree Protection features. Contact between the project manager and project arboriculturalist should be maintained throughout the works period so that supervision can be provided when operations with the potential to damage retained trees are being undertaken. Key stages that will require the attendance of a qualified arboriculturalist with evidence of the visit provided to LPA are:

- Inspection of tree protection features prior to site works commencing within each phase of demolition and/or construction.
- Unarranged spot check(s) carried out during the construction period.
- Supervision of construction activities that could lead to damage of retained trees.
- Site visit to ensure all development operations have been completed prior to tree protection features being removed and to inspect the condition of the trees.

5 Post-Construction Considerations

- 5.1 Refer to Appendix 1 for stage specific tasks.
- 5.2 Only once all major construction works have been completed can the protective barriers be removed.
- 5.3 Post development landscaping should be kept to a minimum within the root protection areas of retained trees.
- 5.4 Since trees are capable of influencing soil hydrology newly planted trees need to be situated where they will not interfere with built structures. Refer to NHBC Chapter 4.2 'Building near Trees' and Arboriculture Research and Information Note 'Tree Roots and Foundations' for further information.

Appendix 1: Arboricultural Tasks Sequence Table

Tree or Group Number	Pre-Demolition Stage	Construction Stage	Post Construction Stage
Trees 4, 19, 20, 24, 32, 33, 52, 53, 62-68, 75, 79-112, 114, 115, 121, 145-147, 154-157, 159-161, 163-191, 199-211, 217, 218, 222-228, 232, 233, 238, 250-273, 275, 280. Groups 1-4, 6-9, 13, 15. Section of Group 16 indicated red on Appendix 3.	Remove (refer to Appendix 3)		
Trees 1-3, 5-18, 21-23, 25-31, 34-51, 54-61, 69-74, 76-78, 113, 116-120, 122-144, 148-153, 158, 162, 192-198, 212-216, 219-221, 229-231, 234-237, 239, 274, 276-279, 281-283. Groups 5, 10-12, 14, 16.	Adhere to specification within Section 3. Set out and erect protective fencing as per Appendices 4, 5 and 6. Attach notice in Appendix 9. Install ground protection and stem protection mats as per appendices 4 and 7. Remove hard surfaces within RPA's in accordance with Appendix 4. Project arboriculturalist should check the correct installation of protective features prior to site works commencing, unless LPA undertakes inspection.	Adhere to specification within Section 4. Monitor integrity of tree protection features daily, completing inspection record in Appendix 10. Site to be visited by the project arboriculturalist – visit to be documented in Appendix 10 and evidence of visit provided to LPA.	Adhere to specification within Section 5. Remove tree protection measures. Install 'No-dig' construction footpaths as indicated on Appendix 5 and in accordance with suppliers' specification. Complete landscape works adjacent to trees.

Appendix 2: Tree Data & Works Required

Key for Tree & Group Data tables:

No.	Tree Number
Species	Tree Name (common)
Age	Y = Young; SM = Semi-mature; EM = Early-mature M = Mature; OM = Over-mature; V = Veteran; D = Dead
DBH	Diameter at Breast Height (measured at 1.5m above ground level to the nearest cm)
Stems	The number of stems the tree has
Height	Overall tree height measured in metres
Crown Spread	Measured along the four cardinal points in metres
CH	Canopy Height (height of crown above ground)
1st Branch	The height and aspect of the 1 st significant limb e.g. 2 NE = 1 st limb at 2m growing in a north-easterly direction.
EstD	Indication of whether any of the trees dimensions were estimated: Y=Yes, N=No.
General Observations	Appraisal of trees general condition
EstCont	Estimated remaining contribution (years)
BS Cat	British Standard 5837:2012 retention category
Recommendation	Remedial works that may be required should the tree be retained

Tree Survey Data

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
1	Ash	M	67		15	6	6	4	7	2	N	Part of avenue. Minor deadwood.	40+	B2	Crown lift west side of canopy to 2.5m over proposed footpath
2	Sycamore	M	45		12	4	3	0	6	3	N	Part of avenue. Minor deadwood. Suppressed form. Branch failure tear wound within mid-crown	40+	B2	No works required
3	Ash	M	50		15	3	5	3	7	3	N	Part of avenue. Minor deadwood.	40+	B2	No works required
4	Ash	M	61		16	5	6	4	7	3	N	Part of avenue. Minor deadwood. Infected with Inonotus hispidus - multiple fruiting bodies	10+	C2	Remove tree
5	Sycamore	M	39		9	3	3	4	5	3	N	Part of avenue. Suppressed form.	40+	C2	Crown lift north side of canopy to 3m over proposed footpath and haul route
6	Sycamore	M	32		10	2	2	1	4	3	N	Part of avenue. Slightly suppressed form.	40+	C2	No works required
7	Sycamore	M	44		10	2	3	4	4	3	N	Part of avenue. Minor deadwood. Branch failure stubs.	40+	B2	No works required
8	Ash	M	42		13	3	4	2	6	6	N	Part of avenue. Infected with Inonotus hispidus - fruit body scar on stem at 2m.	20+	C2	Retention in current form unlikely

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
9	Sycamore	M	33		9	1	4	3	3	6	N	Part of avenue. Slightly suppressed form. Minor deadwood.	40+	C2	No works required
10	Sycamore	M	32		9	3	0	0	5	6	N	Part of avenue. Suppressed form. Minor deadwood.	40+	C2	No works required
11	Ash	M	41		13	4	4	1	6	4	N	Part of avenue. Slightly suppressed form. Minor deadwood. Infected with Inonotus hispidus	40+	C2	Tree unsuitable for retention in current form
12	Sycamore	SM	19		7	3	1	0	4	4	N	Part of avenue. Slightly suppressed form. Minor deadwood.	40+	C2	No works required
13	Sycamore	EM	36		11	3	1	5	3	4	N	Part of avenue. Slightly suppressed form. Minor deadwood.	40+	B2	No works required
14	Sycamore	M	36		13	4	5	6	7	3	N	Part of avenue. Basal epicormics. Branch failure stubs	40+	B2	No works required
15	Sycamore	EM	42		11	3	5	2	7	3	N	Part of avenue. Branch failure stubs	40+	B2	No works required
16	Ash	M	58		12	6	7	7	7	3	N	Part of avenue. Branch failure stubs. Minor deadwood	40+	B2	Removed deadwood over footpath
17	Norway Maple	Y	17		3	1	1	1	1	0	N	Multi-stemmed	10+	C1	No works required
18	Pine spp	EM	49		9	3	4	4	4	0	N		40+	A1	No works required
19	Pine spp	EM	33		2	3	0	4	3	0	N	Windblown tree. Top removed	<10	U	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
20	Ash	Y	8		3	1	1	1	1	0	N		40+	C1	Remove tree
21	Sycamore	M	55		12	5	5	4	5	3	N	Continuous canopy with adjacent trees. Branch failure stubs. Minor deadwood	40+	B2	No works required
22	Sycamore	M	53		11	5	5	5	4	3	N	Continuous canopy with adjacent trees. Branch failure stubs. Minor deadwood	40+	B2	No works required
23	Sycamore	M	56		10	5	5	5	5	3	N	Codominant stems at base. Crown encroaching footpath	40+	B2	Crown lift to 2.5m over footpath to south
24	Sycamore	Y	17		4	2	2	2	2	0	N	Regrowth from cut stem	<10	C1	Remove tree
25	Sycamore	EM	45		9	4	4	4	3	2	N	Continuous canopy with adjacent trees. Branch failure stubs.	40+	B2	Crown lift east side of canopy to 2.5m over proposed footpath
26	Elm spp	M	75		9	3	5	3	6	2	N	Part of avenue. Codominant stems at 1.5m. Basal epicormics obstructed the visual inspection.	20+	B2	No works required
27	Ash	M	52		15	2	5	6	5	7	N	Part of avenue. Stem wound. Branch failure stubs.	40+	B2	No works required
28	Sycamore	M	73		12	6	3	8	7	4	N	Part of avenue. Minor deadwood.	40+	B1	No works required
29	Sycamore	EM	46		12	4	1	6	4	4	N	Part of avenue. Minor basal decay	40+	B2	No works required
30	Sycamore	EM	37		12	1	2	3	1	4	N	Part of avenue.	40+	B1	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
31	Sycamore	EM	46		12	2	5	5	2	3	N	Part of avenue. Branch failure stubs	40+	B1	No works required
32	Sycamore	EM	49		12	3	4	8	2	2	N	Part of avenue. Branch failure stubs Minor deadwood	40+	B1	Remove tree
33	Sycamore	M	55		11	6	4	8	5	2	N	Part of avenue. Branch failure stubs. Minor deadwood	40+	B1	Remove tree
34	Ash	SM	38		12	2	0	2	1	2	N	Part of avenue. Stem cavity - currently limited. Moderate deadwood. Branch failure stubs.	20+	C2	No works required
35	Sycamore	M	63		11	2	4	8	6	2	N	Part of avenue. Minor deadwood. Branch failure stubs. Woodpecker hole at 5m.	40+	B1	No works required
36	Sycamore	SM	22		11	1	1	1	2	2	N	Part of group with continuous canopy. In a state of physiological decline.	<10	U	No works required
37	Sycamore	M	55		12	4	3	5	4	3	N	Part of group with continuous canopy. Multi-stemmed. Minor deadwood.	40+	B2	No works required
38	Sycamore	M	63		13	5	6	6	7	3	N	Part of group with continuous canopy. Minor deadwood.	40+	A1	No works required
39	Sycamore	M	64		12	7	7	6	6	3	N	Part of group with continuous canopy. Minor deadwood. Branch failure stubs	40+	A1	No works required
40	Sycamore	EM	37		11	5	4	3	5	3	N	Part of group with continuous canopy. Minor basal wound. Stem leaning 10 degrees	40+	B2	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
41	Sycamore	M	53		11	6	3	4	6	3	N	Part of group with continuous canopy. Minor basal cavity. Stem leaning 10 degrees	40+	B2	No works required
42	Sycamore	M	59		11	3	6	5	5	2	N	Part of group with continuous canopy. Codominant stems at 2.5m. Minor deadwood.	40+	B1	No works required
43	Sycamore	M	82		12	8	7	7	6	2	N	Part of group with continuous canopy. Stem leaning 10 degrees. Codominant stems at 2.5m. Minor deadwood. Branch failure stubs.	40+	B1	No works required
44	Sycamore	EM	42		11	5	6	2	3	2	N	Part of group with continuous canopy. Basal decay - extent unknown. Codominant stems at 0.75m. Minor deadwood. Branch failure stubs.	10+	C2	Undertake decay detection investigation.
45	Sycamore	M	58		12	2	6	4	5	2	N	Part of group with continuous canopy.	40+	B2	Crown lift souther side of canopy to 2.5m over proposed garden
46	Sycamore	M	54		12	5	5	6	3	3	N	Part of group with continuous canopy. Moderate deadwood.	40+	B2	Crown clean.
47	Sycamore	EM	54		9	5	4	6	5	3	N	Part of group with continuous canopy. Extensive meristematic disorder on mid stem. Slightly suppressed form.	40+	C2	No works required
48	Sycamore	M	72		12	6	4	7	6	2	N	Part of group with continuous canopy. Basal epicormics. Minor stem wound. Minor deadwood.	40+	B1	Crown lift north side of canopy to 2.5m over proposed footpath

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
49	Sycamore	M	58		11	6	4	7	6	2	N	Part of group with continuous canopy. Minor deadwood.	40+	A2	No works required
50	Sycamore	M	58		13	5	5	5	5	0	N	Part of group with continuous canopy.	40+	B2	No works required
51	Sycamore	M	58		16	5	5	5	6	3	N	Part of group with continuous canopy. Basal epicormics. Codominant stems at 2.5m.	40+	B2	No works required
52	Elder	M	18		3	0	2	2	2	0	N	Multi-stemmed at base. Position of tree not located on topo - position estimated.	20+	C1	Remove tree
53	Sycamore	M	11		4	1	2	2	1	0	N	Multi-stemmed at base. Position of tree not located on topo - position estimated. Growing through railings	<10	U	Remove tree
54	Ash	M	68		15	7	6	5	8	0	N	Part of group with continuous canopy. Ivy covered stem. Branch failure stubs. Minor deadwood.	40+	B2	Crown lift to 2.5m
55	Sycamore	EM	68		14	3	6	6	8	0	N	Part of group with continuous canopy. Ivy covered stem. Branch failure stubs. Minor deadwood.	40+	B2	Crown lift to 2.5m
56	Sycamore	EM	49		12	7	6	5	4	2	N	Part of group with continuous canopy.	40+	B1	No works required
57	Sycamore	M	57		14	7	6	5	4	2	N	Part of group with continuous canopy. Codominant stems at base.	40+	B2	No works required
58	Sycamore	M	46		13	3	6	5	4	2	N	Part of group with continuous canopy.	40+	B2	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
59	Sycamore	M	75		14	7	6	5	6	3	N	Part of group with continuous canopy. Multi-stemmed. Minor deadwood	40+	B2	No works required
60	Ash	SM	34		13	6	4	1	5	3	N	Part of group with continuous canopy. Stem leaning 10 degrees. Minor deadwood	40+	B2	No works required
61	Sycamore	M	54		12	6	6	4	7	3	N	Part of group with continuous canopy. Codominant stems at 2m.	40+	B2	No works required
62	Sycamore	M	56		13	4	5	4	5	3	N	Stem leaning 10 degrees.	40+	B1	Remove tree
63	Whitebeam	M	52		8	3	5	3	3	2	N	Unidentifiable (due to degraded condition) fungal fruit body at base.	40+	B1	Remove tree
64	Hybrid Poplar	M	72		19	5	8	6	5	2	N	Damaged surface roots. Branch failure stubs. Minor deadwood.	40+	B1	Remove tree
65	Whitebeam	M	45		7	5	8	4	4	2	N	Slightly suppressed form.	40+	B2	Remove tree
66	Whitebeam	M	56		7	5	6	3	3	2	N	Slightly suppressed form.	40+	B2	Remove tree
67	Sycamore	M	55		13	4	7	6	6	2	N	Part of group with continuous canopy. Stem leaning 15 degrees.	40+	B2	Remove tree
68	Ash	M	55		13	5	5	4	8	2	N	Part of group with continuous canopy. Stem leaning 15 degrees. Branch failure stubs	40+	B2	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
69	Hybrid Poplar	M	58		18	5	6	6	5	2	N	Part of group with continuous canopy. Branch failure stubs. Broken branch hanging within crown	40+	B2	Crown clean.
70	Ash	M	67		18	8	10	9	4	2	N	Part of group with continuous canopy. Codominant stems at base. Stem leaning 15 degrees. Branch failure stubs. Minor deadwood.	40+	B2	No works required
71	Ash	EM	45		17	7	6	6	5	2	N	Part of group with continuous canopy. Branch failure tear wound.	40+	B2	Crown lift north side of canopy to 2.5m over proposed footpath
72	Sycamore	M	41		14	3	7	4	7	2	N	Part of group with continuous canopy. Position of tree not located on topo - position estimated. Ivy covered stem obstructed the visual inspection.	40+	B2	Crown lift west side of canopy to 2.5m over proposed garden
73	Sycamore	M	41		16	6	5	7	7	2	N	Part of group with continuous canopy. Multi-stemmed at base. Ivy covered stem obstructed the visual inspection.	40+	B2	Crown lift to 2.5m over proposed garden and 3.5m over garage to north
74	Apple	M	24		7	4	3	3	3	2	N	Basal decay - extent unknown. Suppressed form.	10+	C2	No works required
75	Sycamore	M	36		11	4	3	3	4	2	N	Stem leaning 20 degrees	40+	C2	Remove tree
76	Hybrid Poplar	M	69		19	5	6	6	6	1	N	Part of group with continuous canopy. Branch failure stubs. Minor deadwood. Woodpecker hole at 7m	40+	B1	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
77	Ash	M	39		15	3	5	3	6	4	N	Part of group with continuous canopy. Stem sweep.	40+	B1	No works required
78	Sycamore	M	50		13	5	4	3	5	3	N	Part of group with continuous canopy. Basal epicormics.	40+	B1	No works required
79	Sycamore	M	56		13	5	6	4	5	4	N	Basal epicormics.	40+	B1	Remove tree
80	Sycamore	M	58		14	6	7	4	7	4	N	Branch failure stubs.	40+	B1	Remove tree
81	Sycamore	M	52		12	5	6	2	3	3	N	Basal epicormics. Stem leaning 15 degrees.	40+	B1	Remove tree
82	Sycamore	M	56		12	5	3	3	5	3	N	Continuous canopy with adjacent trees.	40+	B2	Remove tree
83	Sycamore	M	63		12	1	8	6	5	3	N	Continuous canopy with adjacent trees. Stem leaning 10 degrees	40+	B2	Remove tree
84	Weeping Ash	M	40		6	3	4	4	5	2	N	Pruning stubs within crown.	40+	B1	Remove tree
85	Birch spp	SM	16		4	2	2	2	2	2	N	Part of group with continuous canopy.	40+	C1	Remove tree
86	Birch spp	SM	17		4	2	2	2	2	2	N	Part of group with continuous canopy.	40+	C1	Remove tree
87	Birch spp	SM	15		4	2	2	2	2	2	N	Part of group with continuous canopy.	40+	C1	Remove tree
88	Norway Maple	SM	33		7	3	4	3	3	2	N		40+	B1	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
89	Sycamore	M	36		7	4	3	4	4	2	N		40+	B1	Remove tree
90	Cherry spp	M	51		9	3	5	4	7	2	N	Codominant stems at base. Ivy covered stem.	40+	C2	Remove tree
91	Ash	SM	26		11	2	4	2	4	2	N		40+	B1	Remove tree
92	Sycamore	M	73		14	8	6	6	5	3	N	Ivy covered stem and crown obstructed the visual inspection. Minor deadwood.	40+	B1	Sever Ivy and reinspect.
93	Birch spp	SM	17		4	2	3	2	2	2	N	Crown enchroaching building	40+	C1	Remove tree
94	Birch spp	SM	12		3	2	3	2	1	2	N		40+	C1	Remove tree
95	Larch spp	SM	32		14	2	2	3	2	1	N	Damaged surface roots.	40+	B1	Remove tree
96	Pear spp	M	26		6	3	3	2	3	2	N	Infected with Ganoderma spp.	10+	C1	Remove tree
97	Apple	M	44		6	3	4	4	5	3	N	Ivy covered stem obstructed the visual inspection.	40+	B1	Remove tree
98	Cherry spp	M	32		9	6	6	4	4	2	N	Damaged surface roots.	40+	B1	Remove tree
99	Cherry spp	M	40		9	5	6	4	5	2	N	Damaged surface roots. Crown enchroaching building.	40+	B1	Remove tree
100	Norway Maple	EM	37		11	5	4	4	2	2	N	Crown enchroaching building.	40+	B1	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
101	Cotoneaster spp	EM	15		3	2	1	1	1	1	N	Multi-stemmed.	20+	C1	Remove tree
102	Sycamore	SM	35		10	3	3	3	4	2	N		40+	B2	Remove tree
103	Sycamore	EM	49		13	3	3	3	5	3	N	Branch failure stubs. Minor deadwood. Pruning stubs within crown	40+	B1	Remove tree
104	Cherry spp	M	51		9	7	6	5	5	1	N	Damaged surface roots.	40+	B1	Remove tree
105	Sycamore	M	63		15	6	6	7	6	3	N	Position of tree not located on topo - position estimated. Codominant stems at base.	40+	B1	Remove tree
106	Sycamore	M	46		13	4	5	3	5	3	N	Position of tree not located on topo - position estimated. Ivy covered stem obstructed the visual inspection.	40+	B1	Remove tree
107	Sycamore	M	52		13	8	6	5	6	3	N	Position of tree not located on topo - position estimated. Ivy covered stem obstructed the visual inspection. Continuous canopy with adjacent trees.	40+	B2	Remove tree
108	Sycamore	M	53		13	7	1	7	2	3	N	Position of tree not located on topo - position estimated. Continuous canopy with adjacent trees.	40+	B2	Remove tree
109	Sycamore	M	51		13	6	7	4	7	3	N	Position of tree not located on topo - position estimated. Codominant stems at base. Continuous canopy with adjacent trees.	40+	B2	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
110	Sycamore	M	39		13	4	6	4	3	3	N	Position of tree not located on topo - position estimated. Continuous canopy with adjacent trees.	40+	B2	Remove tree
111	Sycamore	M	36		11	4	7	3	2	1	N	Position of tree not located on topo - position estimated. Multi-stemmed at base. Continuous canopy with adjacent trees.	40+	B2	Remove tree
112	Thorn spp	M	29		6	2	2	3	1	1	N	Position of tree not located on topo - position estimated. Multi-stemmed at base. Continuous canopy with adjacent trees. Ivy covered stem and crown obstructed the visual inspection.	40+	C2	Remove tree
113	Sycamore	EM	37		10	2	6	2	4	2	N	Position of tree not located on topo - position estimated. Multi-stemmed at base. Continuous canopy with adjacent trees.	40+	B2	Crown lift to 2.5m
114	Rowan	EM	24		6	1	1	1	1	2	N	Root severed on south side 600mm from stem	10+	C1	Remove tree
115	Cherry spp	M	35		8	4	5	4	4	0	N	Position of tree not located on topo - position estimated. Damaged surface roots.	40+	C1	Remove tree
116	Cherry spp	M	65		7	6	5	4	0	1	N	Multi-stemmed at base. Continuous canopy with adjacent trees.	20+	C2	No works required
117	Sycamore	EM	37		11	4	1	2	6	3	N	Continuous canopy with adjacent trees. Stem leaning 15 degrees.	40+	B2	No works required
118	Sycamore	M	45		10	1	4	6	5	3	N	Continuous canopy with adjacent trees. Codominant stems at 0.75m	40+	B2	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
119	Hybrid Poplar	M	79		19	3	7	5	5	3	N	Stem leaning 10 degrees. Branch failure stubs.	40+	B1	No works required
120	Sycamore	M	42		11	5	5	4	4	3	N	Continuous canopy with adjacent trees. Codominant stems at 2.75m.	40+	B1	No works required
121	Cherry spp	M	52		7	5	4	4	4	1	N	Continuous canopy with adjacent trees. Damaged surface roots. Low canopy over parking bays	40+	B1	Remove tree
122	Sycamore	M	45		8	4	4	4	4	2	N	Continuous canopy with adjacent trees. Codominant stems at 1.4m.	40+	B1	Prune back northern edge of canopy by 0.5m to provide sufficient construction room
123	Rowan	SM	19		6	1	2	2	1	2	N	Continuous canopy with adjacent trees. Slightly suppressed form.	40+	C2	Crown lift to 2.5m
124	Sycamore	M	76		8	3	3	3	3	3	N	Brick-filled cavity from base to 2.5m. Crown removed at 6m	<10	U	No works required
125	Sycamore	M	62		13	6	6	5	6	3	N	Stem leaning 10 degrees.	40+	A1	No works required
126	Sycamore	SM	35		12	1	5	4	1	3	N	Stem leaning 10 degrees. Continuous canopy with adjacent trees.	40+	B2	No works required
127	Sycamore	SM	25		12	2	4	1	2	3	N	Stem leaning 10 degrees. Continuous canopy with adjacent trees.	40+	B2	No works required
128	Sycamore	SM	31		11	1	4	1	3	2	N	Stem leaning 10 degrees. Continuous canopy with adjacent trees.	40+	B2	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
129	Sycamore	M	82		13	6	7	6	6	4	N	Branch failure stubs. Minor deadwood.	40+	A1	No works required
130	Sycamore	M	53		11	6	4	6	1	4	N	Slightly suppressed form.	40+	B2	No works required
131	Sycamore	EM	40		12	1	6	5	5	4	N	Slightly suppressed form.	40+	B2	No works required
132	Sycamore	M	48		11	3	6	5	4	4	N	Slightly suppressed form. Continuous canopy with adjacent trees.	40+	B2	No works required
133	Sycamore	M	64		11	3	6	6	4	4	N	Continuous canopy with adjacent trees.	40+	B2	No works required
134	Sycamore	M	51		11	3	1	7	6	3	N	Continuous canopy with adjacent trees.	40+	B2	No works required
135	Sycamore	M	41		8	5	1	0	7	4	N	Continuous canopy with adjacent trees. Stem leaning 35 degrees. Suppressed form.	20+	C2	No works required
136	Sycamore	M	50		12	7	1	1	7	4	N	Continuous canopy with adjacent trees. Codominant stems at 1.2m.	40+	C2	No works required
137	Apple	SM	14		4	2	1	1	1	4	N		40+	C1	No works required
138	Norway Maple	SM	32		10	5	5	4	4	1	N		40+	B1	Prune back northern edge of canopy by 2m to provide sufficient construction room
139	Sycamore	EM	54		14	4	4	3	5	2	N	Part of linear group. Ivy covered stem obstructed the visual inspection.	40+	B2	Sever Ivy. Crown lift to 2.5m

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
140	Sycamore	EM	38		14	2	3	7	6	2	N	Part of linear group.	40+	B2	Crown lift to 2.5m
141	Sycamore	EM	55		14	3	3	6	6	2	N	Part of linear group.	40+	B1	Crown lift to 2.5m
142	Sycamore	EM	47		12	6	1	6	4	3	N	Part of linear group. Suppressed form.	40+	C2	No work required
143	Sycamore	EM	62		13	5	5	6	4	3	N	Part of linear group. Ivy covered stem and crown obstructed the visual inspection.	40+	B1	Sever Ivy and reinspect
144	Sycamore	EM	36		13	2	4	3	3	3	N	Part of linear group. Stem leaning 10 degrees	40+	B2	No works required
145	Sycamore	EM	48		12	4	5	4	5	3	N	Part of linear group. Base obscured by vegetation	40+	B2	Remove tree
146	Sycamore	EM	47		12	3	5	5	5	3	N	Part of linear group. Base obscured by vegetation. Position of tree not located on topo - position estimated.	40+	B2	Remove tree
147	Elm spp	Y	25		8	3	2	5	4	1	N	Part of linear group. Multi-stemmed at base	10+	C2	Remove tree
148	Sycamore	M	60		14	1	8	8	7	1	N	Part of linear group. Stem leaning 15 degrees. Ivy covered stem obstructed the visual inspection.	40+	B2	Crown lift west side of canopy to 3m
149	Sycamore	M	48		12	2	4	4	7	1	N	Part of linear group. Ivy covered stem obstructed the visual inspection.	40+	B2	Crown lift west side of canopy to 3m

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
150	Holly	SM	24		6	2	3	3	2	0	N	Part of linear group. Position of tree not located on topo - position estimated.	40+	B2	No works required
151	Common Oak	SM	55		12	5	4	3	6	3	N	Part of linear group. Ivy covered stem obstructed the visual inspection.	40+	B2	No works required
152	Sycamore	EM	50		12	4	4	4	5	3	N	Part of linear group. Codominant stems at 1.8m.	40+	B2	No works required
153	Sycamore	EM	40		12	0	5	5	5	3	N	Part of linear group. Slightly suppressed form.	40+	B2	No works required
154	Sycamore	EM	59		12	4	6	3	5	3	N	Part of linear group.	40+	B2	Remove tree
155	Sycamore	EM	60		9	4	4	2	4	3	N	In a state of physiological decline. Codominant stems at 1.4m.	10+	C2	Remove tree
156	Sycamore	M	50		14	3	5	7	2	5	N	Stem leaning 15 degrees. Continuous canopy with adjacent trees.	40+	B2	Remove tree
157	Common Oak	SM	42		11	3	7	2	4	4	N	Stem leaning 10 degrees. Minor deadwood.	40+	B1	Remove tree
158	Sycamore	SM	41		13	2	4	4	3	1	N	Codominant stems at base. Ivy covered stem obstructed the visual inspection.	40+	B2	Crown lift to 2.5m
159	Elm spp	SM	27		12	2	4	1	3	0	N		20+	B1	Remove tree
160	Sycamore	Y	11		5	1	1	1	1	1	N		40+	C1	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
161	Elm spp	Y	12		6	1	1	1	1	1	N		40+	C1	Remove tree
162	Elm spp	SM	31		10	3	3	3	3	1	N	Codominant stems at 0.5m.	20+	B1	Crown lift to 2.5m
163	Sycamore	SM	36		9	3	3	4	5	3	N	Base obscured by vegetation. sw. Slightly suppressed form.	40+	C2	Remove tree
164	Sycamore	SM	41		10	4	3	4	3	3	N	Base obscured by vegetation. sw. Slightly suppressed form. Branch failure stubs	40+	C2	Remove tree
165	Sycamore	M	56		10	5	6	6	6	3	N	Continuous canopy with adjacent trees. Minor deadwood.	40+	B2	Remove tree
166	Sycamore	M	46		12	3	3	5	6	3	N	Continuous canopy with adjacent trees. Minor deadwood.	40+	B2	Remove tree
167	Sycamore	M	67		13	3	4	6	7	5	N	Continuous canopy with adjacent trees. Minor deadwood.	40+	B2	Remove tree
168	Sycamore	M	54		12	2	4	6	7	5	N	Continuous canopy with adjacent trees. Minor deadwood.	40+	B2	Remove tree
169	Rowan	SM	19		6	1	2	1	2	1	N		40+	C1	Remove tree
170	Cherry spp	M	27		6	3	3	3	4	1	N	Stem leaning 35 degrees	20+	C2	Remove tree
171	Cherry spp	M	60		7	6	6	6	6	1	N	Damaged surface roots. Multi-stemmed.	40+	C2	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
172	Apple	SM	11		4	0	1	1	1	1	N	Basal epicormics	40+	C1	Remove tree
173	Sycamore	EM	55		11	3	5	4	4	3	N	Decay cavity in lower stem - extent unknown.	10+	C1	Remove tree
174	Sycamore	EM	47		14	5	2	5	3	3	N	Continuous canopy with adjacent trees. Branch failure stubs.	40+	B2	Remove tree
175	Sycamore	EM	64		17	5	3	3	6	4	N	Continuous canopy with adjacent trees. Branch failure stubs. Broken branch hanging within crown	40+	B2	Remove tree
176	Sycamore	EM	46		17	2	5	3	6	4	N	Stem leaning 10 degrees. Continuous canopy with adjacent trees. Branch failure stubs.	40+	B2	Remove tree
177	Sycamore	EM	42		15	4	5	4	3	4	N	Minor basal cavity. Stem leaning 10 degrees. Continuous canopy with adjacent trees. Branch failure stubs.	40+	B2	Remove tree
178	Cherry spp	Y	21		8	0	3	2	1	0	N	Multi-stemmed at base	10+	C2	Remove tree
179	Sycamore	EM	47		16	7	3	4	3	2	N	Continuous canopy with adjacent trees. Branch failure stubs.	40+	B2	Remove tree
180	Sycamore	EM	61		16	7	3	1	6	2	N	Continuous canopy with adjacent trees. Branch failure stubs. Crown encroaching building.	40+	B2	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
181	Sycamore	EM	86		16	6	8	6	5	2	N	Stem leaning 15 degrees. Breakout cavity at 2m - extent unknown. Continuous canopy with adjacent trees.	40+	A2	Remove tree
182	BuUndertake decay detection investigation.leia	EM	22		4	2	2	2	2	0	N	Multi-stemmed at base.	10+	C1	Remove tree
183	Lawson Cypress	SM	57		8	2	2	1	2	0	N	Codominant stems at base. Continuous canopy with adjacent trees	40+	C2	Remove tree
184	Lawson Cypress	SM	22		6	1	2	2	0	0	N	Continuous canopy with adjacent trees	40+	C2	Remove tree
185	Red Oak	SM	38		9	3	7	5	7	1	N	Stem leaning 10 degrees. Continuous canopy with adjacent trees.	40+	B2	Remove tree
186	Red Oak	SM	33		9	6	7	5	3	1	N	Continuous canopy with adjacent trees. Minor deadwood.	40+	B2	Remove tree
187	Cherry spp	EM	38		9	4	6	5	4	1	N	Continuous canopy with adjacent trees.	40+	B2	Remove tree
188	Cherry spp	EM	36		7	4	6	4	4	1	N	Damaged surface roots.	40+	B2	Remove tree
189	Lawson Cypress	SM	24		8	1	1	1	0	0	N	Continuous canopy with adjacent trees.	40+	C2	Remove tree
190	Lawson Cypress	SM	25		8	1	1	1	0	0	N	Continuous canopy with adjacent trees.	40+	C2	Remove tree
191	Sycamore	EM	48		11	7	5	7	7	3	N	Stem leaning 15 degrees. Stem in contact with fence. Minor deadwood	40+	B1	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
192	Sycamore	SM	37		11	5	4	4	4	3	N	Ivy covered stem and crown obstructed the visual inspection.	40+	B1	No works required
193	Sycamore	SM	35		11	5	5	3	3	3	N		40+	B1	No works required
194	Sycamore	SM	30		8	2	5	2	4	3	N	Pruning stubs within crown.	40+	B1	No works required
195	Lime spp	M	63		12	3	4	3	3	1	N	Ivy covered stem obstructed the visual inspection. Topped at 6m - now with regrowth	10+	C1	No works required
196	Sycamore	EM	45		12	5	6	4	4	5	N	On top of 1m high retaining wall. Ivy covered stem obstructed the visual inspection. Continuous canopy with adjacent trees.	40+	B2	No works required
197	Sycamore	EM	55		12	5	6	3	7	5	N	On top of 1m high retaining wall. Ivy covered stem obstructed the visual inspection. Continuous canopy with adjacent trees.	40+	B2	No works required
198	Cherry spp	EM	28		4	2	3	4	4	2	N	Ivy covered stem obstructed the visual inspection	40+	C1	No works required
199	Rowan	EM	23		5	2	3	3	2	1	N		40+	C1	Remove tree
200	Cherry spp	EM	23		5	2	2	3	2	1	N	Multi-stemmed at base	40+	C1	Remove tree
201	Holly	M	23		5	2	2	2	2	0	N	Part of linear group	40+	C2	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
202	Holly	M	19		5	1	1	2	2	1	N	Part of linear group	40+	C2	Remove tree
203	Holly	M	21		5	1	1	2	2	1	N	Part of linear group	40+	C2	Remove tree
204	Cherry spp	M	42		8	5	5	4	3	2	N	Damaged surface roots. Continuous canopy with adjacent trees.	40+	B2	Remove tree
205	Cherry spp	M	37		8	6	5	5	4	2	N	Damaged surface roots. Continuous canopy with adjacent trees.	40+	B2	Remove tree
206	Sycamore	M	42		9	6	4	5	7	3	N	Damaged surface roots. Continuous canopy with adjacent trees.	40+	B2	Remove tree
207	Sycamore	M	59		15	6	5	8	8	4	N	Minor deadwood. Continuous canopy with adjacent trees.	40+	A2	Remove tree
208	Sycamore	EM	37		11	4	5	4	7	4	N	Stem leaning 15 degrees. Continuous canopy with adjacent trees. Slightly suppressed form	40+	B2	Remove tree
209	Sycamore	M	69		0	5	7	8	7	4	N	Stem leaning 15 degrees. Continuous canopy with adjacent trees.	40+	A2	Remove tree
210	Sycamore	EM	49		12	2	3	4	2	3	N	Ivy covered stem obstructed the visual inspection.	40+	B2	Remove tree
211	Leyland Cypress	EM	80		12	3	4	4	3	0	N	Growing against building	<10	U	Remove tree
212	Rowan	SM	20		5	2	0	1	1	2	N	Slightly suppressed form. Ivy covered stem.	40+	C2	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
213	Sycamore	EM	49		13	5	5	5	4	3	N	Ivy covered stem. Minor deadwood.	40+	B1	No works required
214	Sycamore	SM	27		8	2	2	2	2	0	N	Minor crown dieback	40+	C1	No works required
215	Sycamore	SM	54		9	5	5	6	0	3	N	Codominant stems atw 0.5m.	20+	C1	No works required
216	Holly	SM	17		5	1	1	1	1	0	N	Position of tree not located on topo - position estimated.	20+	C1	Prune away from proposed footpath
217	Cypress spp	SM	13		1	1	1	1	1	0	N		40+	C1	Remove tree
218	Cherry spp	SM	30		6	2	1	3	0	1	N	Slightly suppressed form.	40+	C2	Remove tree
219	Sycamore	SM	49		12	4	3	4	6	2	N	Multi-stemmed at base. Continuous canopy with adjacent trees.	40+	B2	No works required
220	Sycamore	EM	68		12	5	5	7	0	3	N		20+	B2	Prune east side of canopy to provide 1.5m clearance to existing building. Crown lift east side to 3.5m
221	Sycamore	SM	45		10	3	4	4	4	2	N	Multi-stemmed at base. Continuous canopy with adjacent trees.	40+	C2	No works required
222	Sycamore	SM	35		8	4	3	6	4	1	N	Multi-stemmed at base. Poor form	10+	C2	Remove tree
223	Cherry spp	M	44		8	5	3	4	5	1	N	Damaged surface roots. Continuous canopy with adjacent trees.	40+	B1	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
224	Cherry spp	M	50		8	6	5	4	6	1	N	Damaged surface roots. Continuous canopy with adjacent trees.	40+	B1	Remove tree
225	Birch spp	EM	22		11	3	4	3	2	4	N		20+	B1	Remove tree
226	Birch spp	EM	22		11	3	5	3	2	3	N	Codominant stems at 1m.	40+	B1	Remove tree
227	Maple spp	M	73		17	5	5	5	5	2	N		40+	A1	Remove tree
228	Sycamore	SM	51		12	5	4	5	5	2	N	Multi-stemmed with failed union	<10	U	Remove tree
229	Sycamore	SM	30		9	3	1	1	1	1	N	Multi-stemmed. Suppressed form.	20+	C2	No works required
230	Sycamore	EM	60		12	5	5	5	5	1	N	Multi-stemmed at base.	20+	B2	Prune east side of canopy to provide 1.5m clearance to existing building.
231	Sycamore	SM	17		5	0	1	1	1	3	N	Basal wound	20+	C1	No works required
232	Birch spp	M	42		12	5	6	6	5	1	N		40+	B1	Remove tree
233	Sycamore	SM	62		12	6	5	5	6	2	N	Codominant stems at base. Branch failure tear wound at 2.5m.	20+	B2	Remove tree
234	Sycamore	SM	30		6	1	1	1	1	3	N	Codominant stems at base.	40+	C1	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
235	Rowan	EM	29		7	1	3	4	3	1	N	Pruned away from building	20+	C1	Prune north side of building to clear existing building by 1m. Crown lift to 2.5m
236	Pissards Plum	M	28		5	1	2	3	4	2	N	Basal decay - extent unknown. Slightly suppressed form.	10+	C2	Crown lift to 2.5m
237	Cherry spp	EM	32		9	2	4	4	4	2	N	Damaged surface roots. Pruned away from building	40+	B2	Prune north side of building to clear existing building by 1m. Crown lift to 2.5m
238	Cherry spp	EM	48		9	2	6	5	5	2	N	Damaged surface roots. Pruned away from building. Codominant stems at 1m.	40+	B2	Remove tree
239	Pissards Plum	M	37		5	4	5	1	3	1	N	Codominant stems at base.	40+	C1	Prune northeast side of building to clear existing building by 1m. Crown lift to 2.5m
240	Birch spp	M	48		10	2	5	3	3	1	N	Stem leaning 10 degrees	40+	B1	Crown lift to 2.5m
241	Norway Maple	M	40		9	3	3	2	3	1	N	Continuous canopy with adjacent trees	40+	B2	Prune north side of building to clear existing building by 1.5m. Crown lift to 2.5m
242	Cherry spp	M	41		11	3	4	3	2	1	N	Pruned away from building. Continuous canopy with adjacent trees	40+	B2	Prune north side of building to clear existing building by 1.5m. Crown lift to 2.5m
243	Cherry spp	M	52		12	3	5	5	6	1	N	Pruned away from building. Continuous canopy with adjacent trees	40+	B2	Prune north side of building to clear existing building by 1.5m. Crown lift to 2.5m

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
244	Birch spp	SM	21		9	1	3	2	2	2	N		40+	B1	Prune north side of building to clear existing building by 1m. Crown lift to 2.5m
245	Weeping Beech	M	59		14	4	7	7	6	1	N	Pruned away from building. Codominant stems at 2m.	20+	B2	*Undertake at later date* Prune canopy over building to facilitate building demolition - works to be undertaken in consultation with Tree Officer
246	Sycamore	M	65		13	4	7	8	7	3	N	Base obscured by vegetation. Codominant stems at 1.5m. Minor deadwood.	40+	B1	Prune north side of building to clear existing building by 1.5m. Crown lift to 2.5m
247	Yew	SM	20		4	2	3	3	3	0	N		40+	C1	Prune north side of building to clear existing building by 1m.
248	Weeping Willow	SM	23		4	2	3	3	1	1	N	Slightly suppressed form.	40+	C2	No works required
249	Sycamore	M	61		11	6	6	8	7	2	N	Stem leaning 10 degrees. Broken branch hanging within crown	40+	A2	Remove hanging branch
250	Sycamore	M	51		15	5	6	6	7	3	N	Part of linear group. Stem leaning 10 degrees	40+	B2	Remove tree
251	Sycamore	M	54		12	5	6	7	8	3	N	Part of linear group. Branch failure stubs. Minor deadwood.	40+	B2	Remove tree
252	Sycamore	M	54		13	2	5	6	8	4	N	Part of linear group. Branch failure stubs. Minor deadwood.	40+	B2	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
253	Sycamore	M	44		13	3	2	6	6	4	N	Part of linear group. Branch failure stubs. Minor deadwood.	40+	B2	Remove tree
254	Ash	M	55		13	4	2	7	6	4	N	Part of linear group. Badal cavity - extent unknown but sounding suggests it is limited. Branch failure stubs.	40+	B2	Remove tree
255	Sycamore	SM	34		11	5	1	6	4	4	N	Part of linear group. Stem leaning 10 degrees. Slightly suppressed form.	40+	C2	Remove tree
256	Sycamore	SM	30		12	1	3	5	1	4	N	Part of linear group. Stem leaning 20 degrees. Slightly suppressed form.	40+	C2	Remove tree
257	Sycamore	EM	55		13	5	7	5	7	4	N	Part of linear group.	40+	B2	Remove tree
258	Sycamore	EM	38		13	1	7	5	6	4	N	Part of linear group. Slightly suppressed form	40+	B2	Remove tree
259	Beech	Y	18		6	1	2	2	2	1	N		40+	C1	Remove tree
260	Rowan	Y	8		3	1	1	1	1	1	N		40+	C1	Remove tree
261	Rowan	Y	14		3	1	1	1	2	1	N	Stem leaning 10 degrees	40+	C1	Remove tree
262	Beech	Y	25		7	1	1	2	2	1	N		40+	C1	Remove tree
263	Beech	Y	21		4	1	1	2	2	1	N		40+	C1	Remove tree

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
264	Beech	Y	14		4	1	1	1	2	1	N		40+	C1	Remove tree
265	Beech	Y	19		4	1	2	1	2	1	N		40+	C1	Remove tree
266	Beech	Y	22		7	1	2	2	2	1	N		40+	C1	Remove tree
267	Beech	Y	19		5	1	2	1	2	1	N		40+	C1	Remove tree
268	Beech	Y	30		5	2	3	3	2	1	N		40+	C1	Remove tree
269	Whitebeam	M	65		8	4	5	4	5	2	N	Fruiting bodies of Pholiota squarrosa at base	10+	C1	Remove tree
270	Ash	M	63		11	3	3	4	3	1	N	Crown removed - semi-mature regrowth	10+	C1	Remove tree
271	Lime spp	SM	30		8	3	3	4	4	0	N	Included bark unions present. Continuous canopy with adjacent trees.	40+	B2	Remove tree
272	Lime spp	SM	28		8	4	2	3	4	0	N	Included bark unions present. Continuous canopy with adjacent trees.	40+	B2	Remove tree
273	Birch spp	EM	31		11	6	5	4	5	2	N	Good health and form.	40+	A1	Remove tree
274	Sycamore	EM	47		13	5	4	3	3	4	N	Part of group. Stem leaning 15 degrees. Minor deadwood.	40+	B2	No works required

No.	Species	Age	DBH	Stems	Height	Crown Spread				CH	EstD	General Observations	EstCont	BS Cat	Recommendation
						N	S	E	W						
275	Sycamore	EM	41		11	0	8	1	4	4	N	Part of group. Stem leaning 15 degrees. Suppressed form.	40+	C2	No works required
276	Sycamore	EM	46		11	5	6	4	3	4	N	Part of group.	40+	B2	No works required
277	Sycamore	EM	48		13	6	6	4	5	4	N	Part of group. Codominant stems at 3m	40+	B1	No works required
278	Sycamore	EM	27		11	4	1	3	3	4	N	Part of group.	40+	B2	No works required
279	Sycamore	EM	36		12	4	4	3	2	4	N	Part of group.	40+	B2	No works required
280	Ash	M	54		18	7	6	8	7	2	N	Part of group. Branch failure stubs. Infected with Inonotus hispidus. Minor deadwood.	<10	U	Remove tree
281	Sycamore	EM	38		14	4	5	2	5	4	N	Part of group.	40+	B2	No works required
282	Sycamore	EM	36		14	5	5	4	5	4	N	Part of group.	40+	B2	No works required
283	Sycamore	EM	54		14	4	6	5	5	4	N	Part of group. Base obscured by vegetation.	40+	B2	No works required

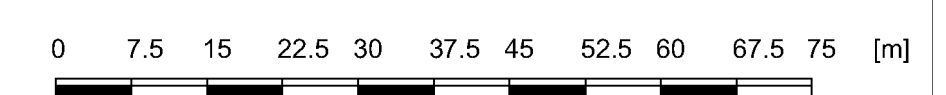
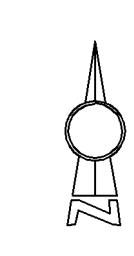
Group Data

Group Number	Dominant Species	Lesser Species	DBH	Average Height	Age	Average Spread	Condition/Comments	Recommendations	EstCont	BS Cat
1	Elder		15	4	M	1	Linear group of trees which form a continuous canopy. Positions of trees not located on topo	Remove entire group	10+	C2
2	Elm spp		10	5	Y	2	Small group of Elm stems	Remove entire group	<10	C2
3	Elder Pyracantha Sycamore Viburnum		10	3	Y-SM	1	Small linear group of shrubs and occasional young Sycamore	Remove entire group	20+	C2
4	Sycamore		30	5	SM	5	Linear group of trees which form a continuous canopy. Branch failure stubs. Minor deadwood.	Remove entire group	40+	B2

Group Number	Dominant Species	Lesser Species	DBH	Average Height	Age	Average Spread	Condition/Comments	Recommendations	EstCont	BS Cat
5	Birch spp Norway Maple Cherry spp		25	8	SM	3	Linear group of trees which form a continuous canopy. Located on adjacent land	No works required	40+	B2
6	Cypress spp		12	2	SM	1	Small group	Remove entire group	40+	C2
7	Cypress spp		12	1	SM	1	Small group	Remove entire group	20+	C2
8	Ash Elm spp		25	10	SM	4	Group of trees which form a continuous canopy. Close to building	Remove entire group	20+	C2

Group Number	Dominant Species	Lesser Species	DBH	Average Height	Age	Average Spread	Condition/Comments	Recommendations	EstCont	BS Cat
9	Cherry spp		10	4	Y	1		Remove entire group	40+	C2
10	Cherry spp	Ash	10	4	Y	1	Small group beneath canopy of larger trees	No works required	10+	C2
11	Leyland Cypress		20	6	SM	2	Linear screen hedge within adjacent property. Positioned on top of 2m high retaining wall	No works required	20+	C2
12	Laurel		10	3	EM	1	Linear group located on adjacent land. On top of 1.5m high retaining wall	No works required	40+	B2

Group Number	Dominant Species	Lesser Species	DBH	Average Height	Age	Average Spread	Condition/Comments	Recommendations	EstCont	BS Cat
13	Cypress spp	Cordyline	14	1	SM	0		Remove entire group	20+	C2
14	Laurel Holly	Birch spp Laburnum	25	4	SM-M	2	Linear group of trees which form a continuous canopy.	No works required	20+	C2
15	Laurel Elder Sorbus spp Cotoneaster spp		15	3	SM-M	1	Linear group of shrubs and small trees.	Remove entire group	20+	C2
16	Laurel Elder	Privet Berberis	13	3	EM	1	Group of trees which form a continuous canopy	Remove section of group indicated red on Appendix 3	20+	C2



 Tree to be Retained

 Tree to be Removed

 Root Protection Area - to remain free from disturbance

 Group of Trees to be Retained

 Hedgerow to be Retained

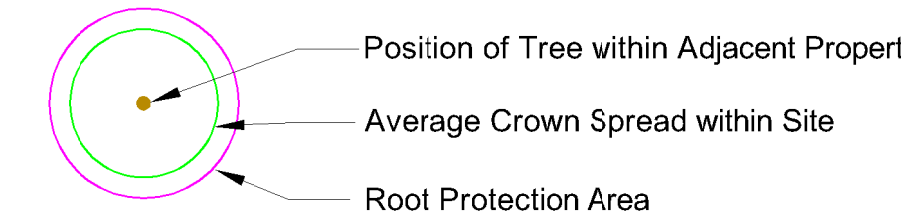
 Group of Trees to be Removed

 Hedgerow to be Removed

1/G1/H1 Tree/Group/Hedgerow Number

A1/B1/
C1/U BS5837 Retention Category

Tree and Root Protector Area within Adjacent Property (position and size possibly estimated)



N1 ID of Tree Located within Adjacent Property



Wrens Nest, Underhill, Glaisdale
North Yorkshire YO21 2PF
01947 897001
enquiries@elliottconsultancy.com

APPENDIX 3

Drawing Title: Tree Retention & Removals Plan

Project: South Tyneside College

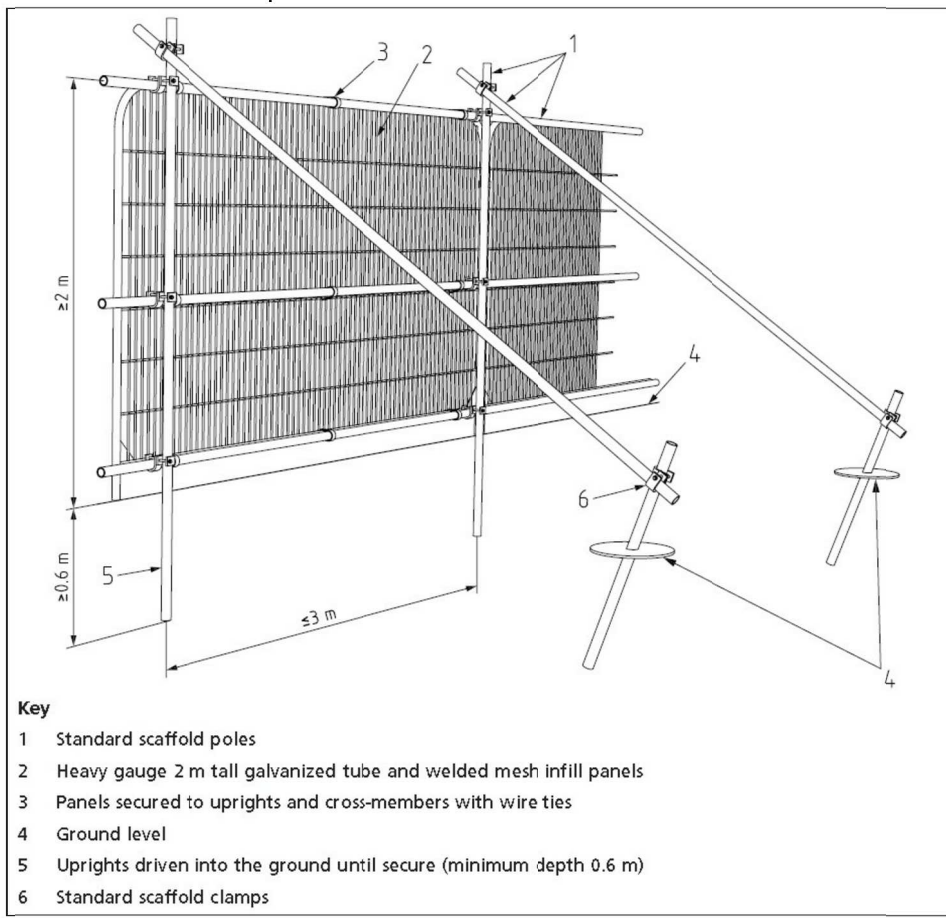
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Date: August 2025

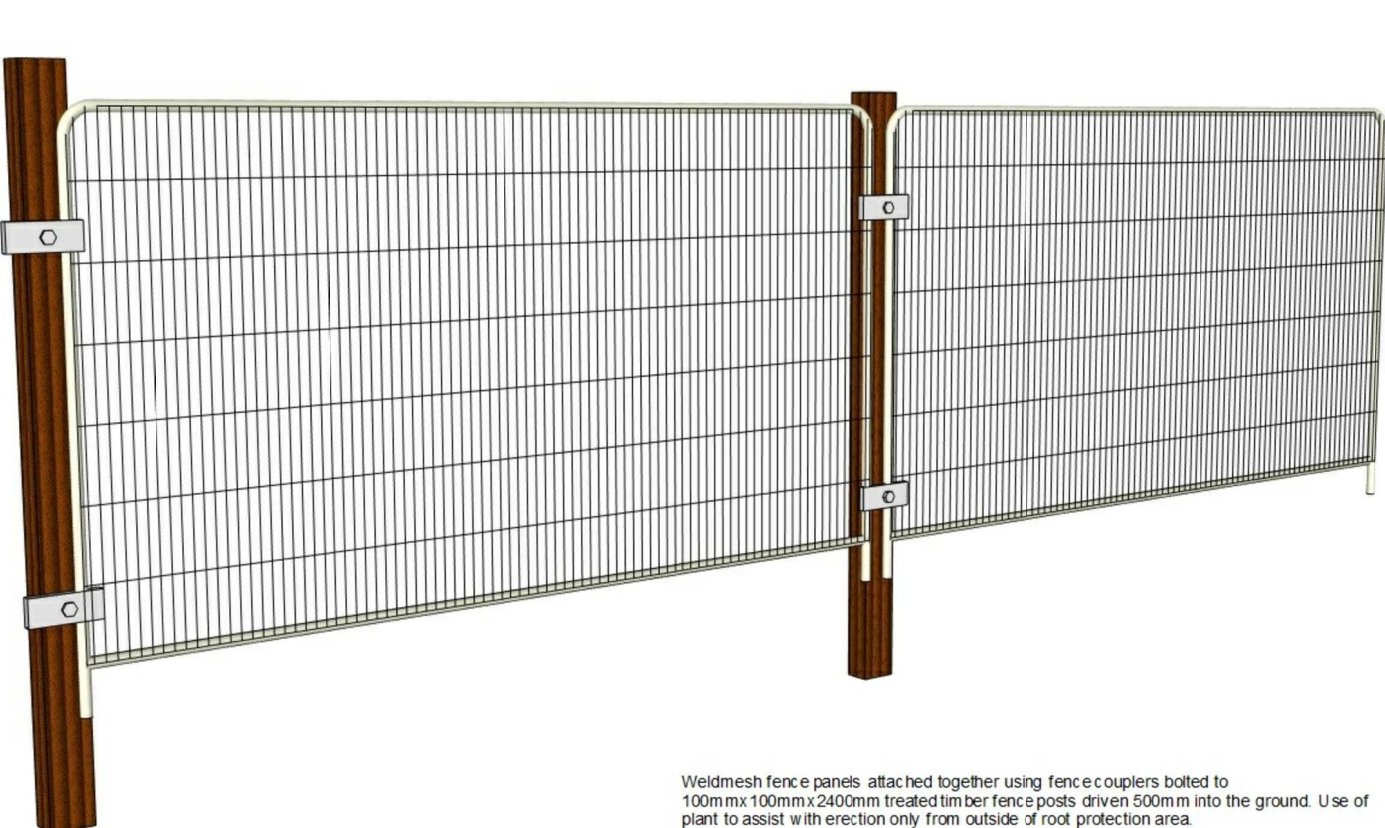
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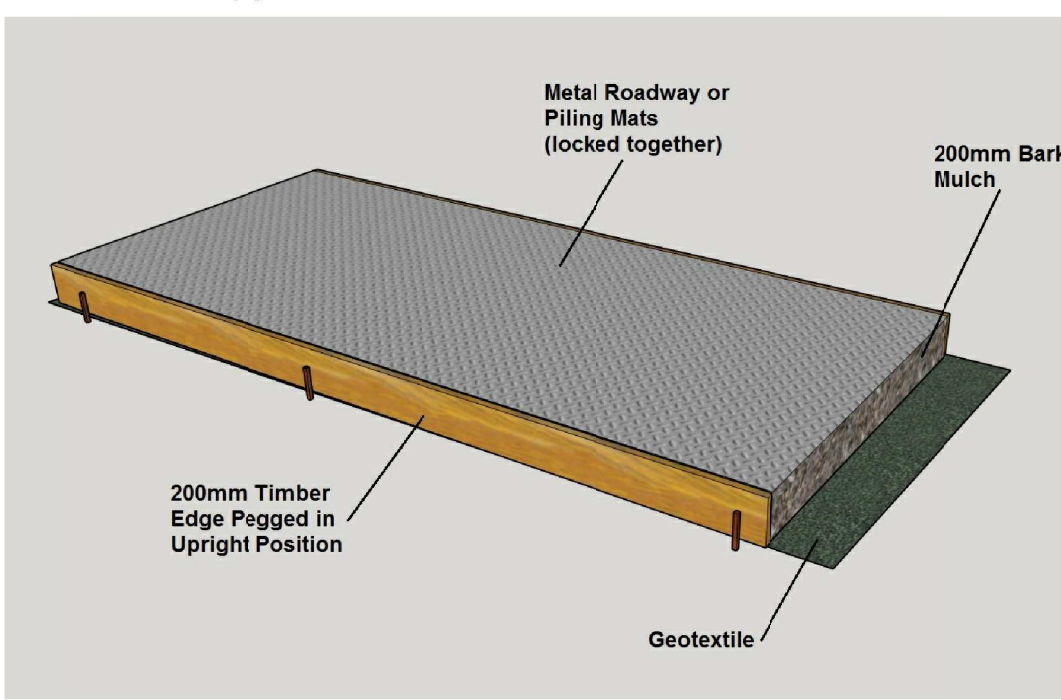
Inset A:- BS5937 Specification Tree Protection Barrier



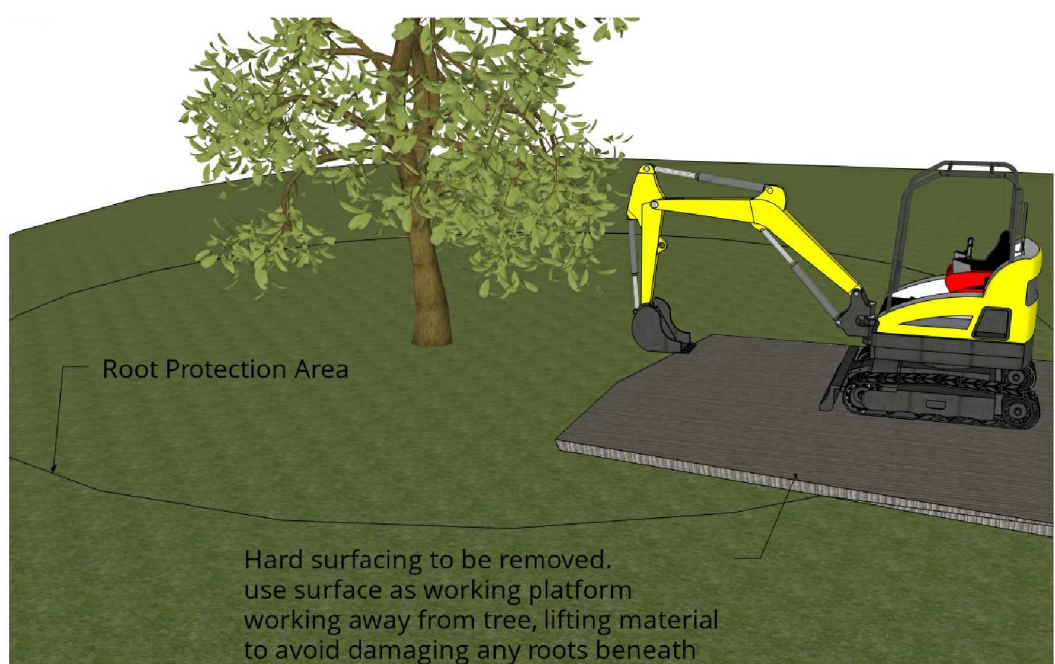
Inset B:- Weldmesh Panels Bolted to Timber Posts

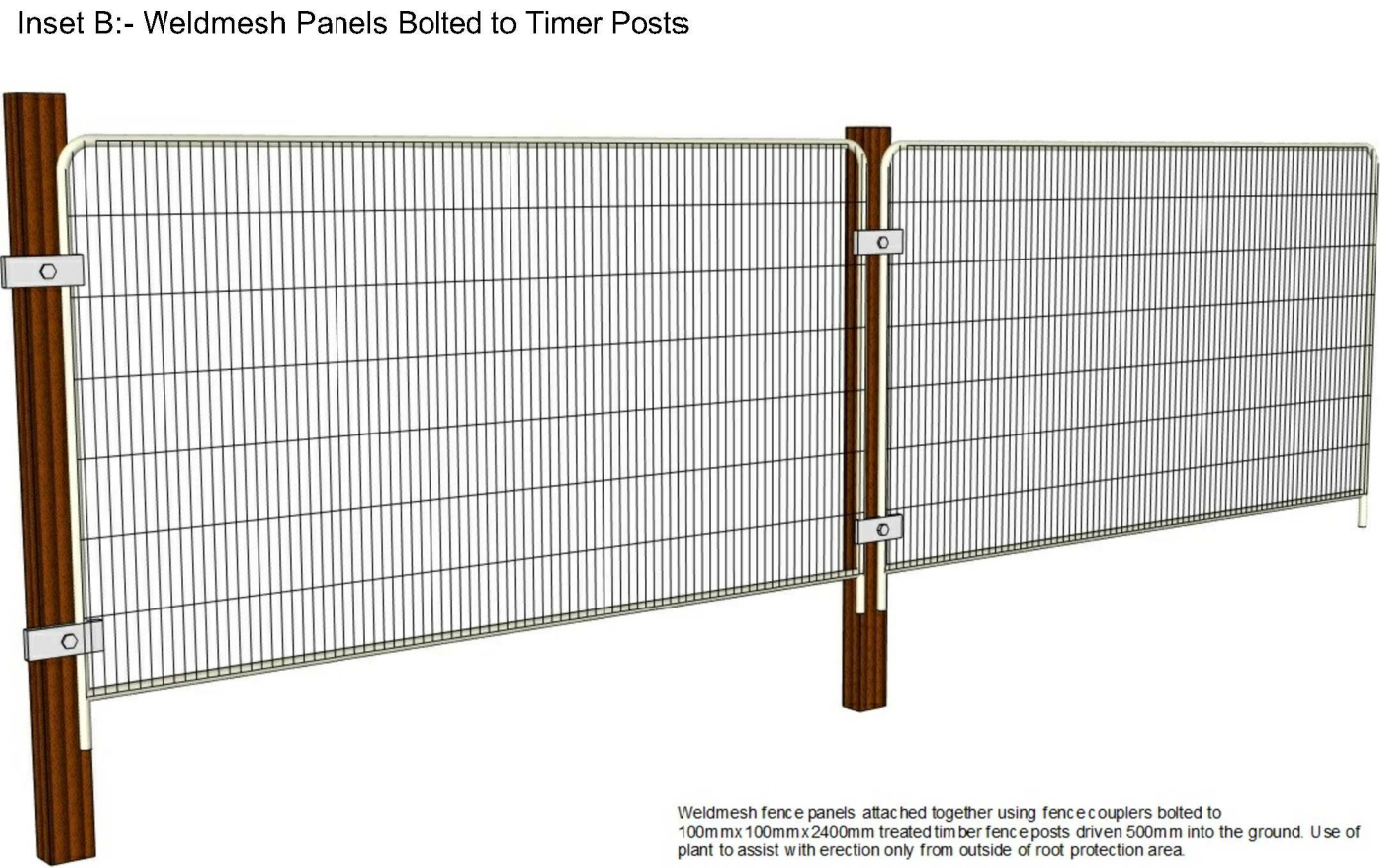
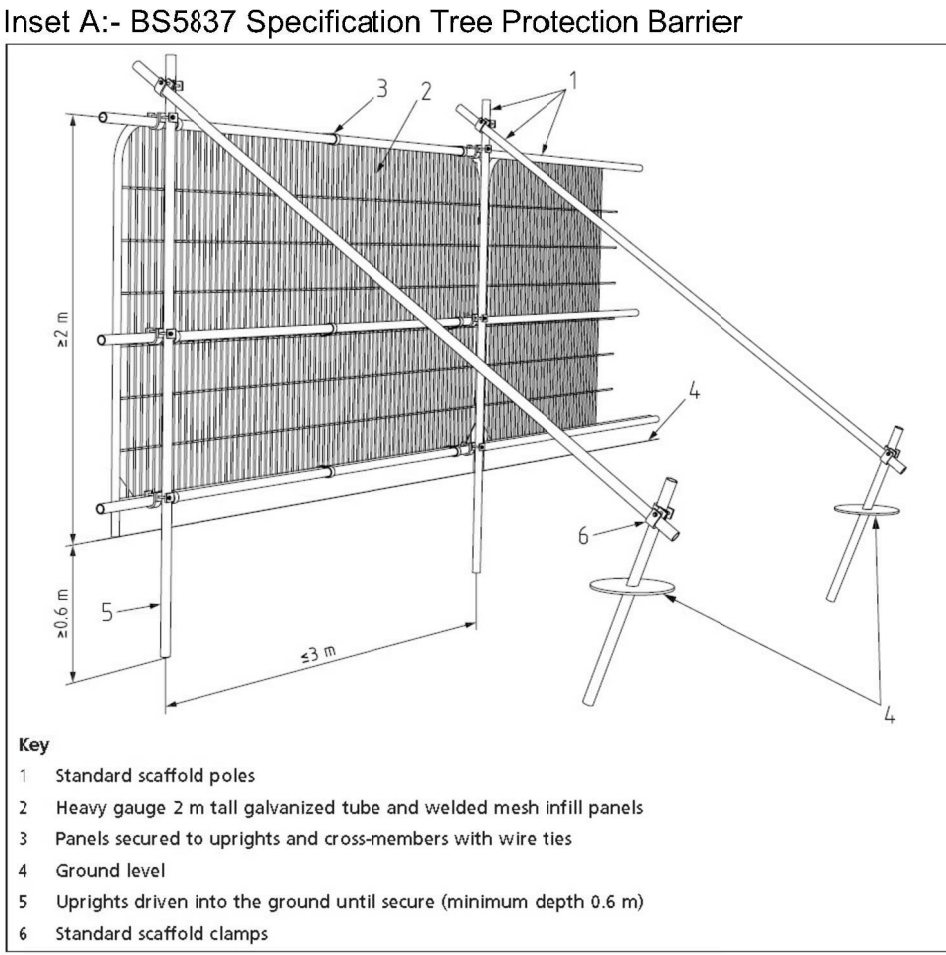


Inset C:- Ground Protection Specification - Roadway or piling mats can be substituted with plywood or OSB



Inset D:- Removal of Hare Surfaces with RPA





Tree to be Retained

Group of Trees to be Retained

Hedgerow to be Retained

Root Protection Area - to remain free from disturbance

Tree Protection Barrier (specification as per Inset A & Appendix 6, Type A)

Tree Protection Barrier (specification as per Inset B & Appendix 6, Type B)

Tree Protection Barrier (1800 Close Boarded Timber Fence - specification as per Avant Homes boundary fence type)

No-Dig Construction Area using Cellular Confinement System (specification to be provided by system supplier) TO BE CONSTRUCTED ONCE TREE PROTECTION BARRIERS HAVE BEEN REMOVED

1/G1/H1 Tree/Group/Hedgerow Number

A1/B1/C1/U BS5837 Retention Category

N1 ID of Tree Located within Adjacent Property

elliottconsultancy ltd.
arboricultural consultants

Wrens Nest, Underhill, Glaisdale
North Yorkshire YO21 2PF
01947 897001
enquiries@elliottconsultancy.com

APPENDIX 5

Drawing Title: Tree Protection Plan - Construction Phase

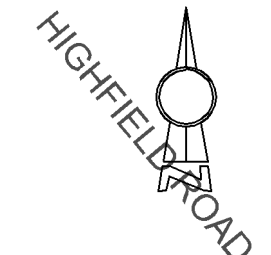
Project: South Tyneside College

Drawing Number: ARB/CP/3197/TPP-Con

Date: August 2025

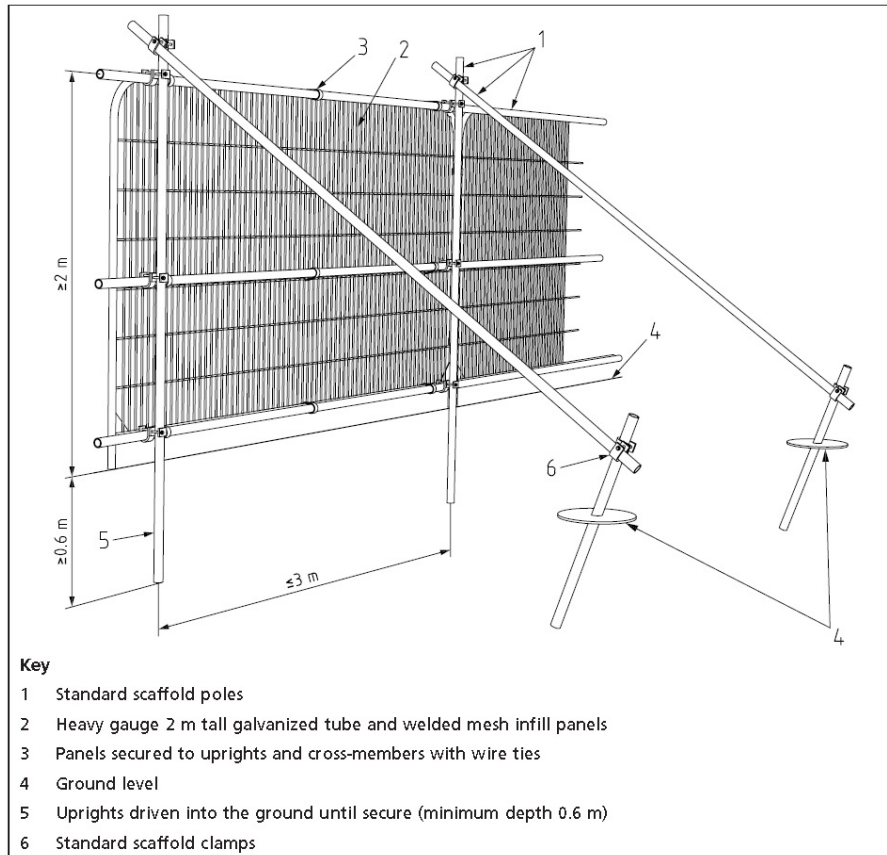
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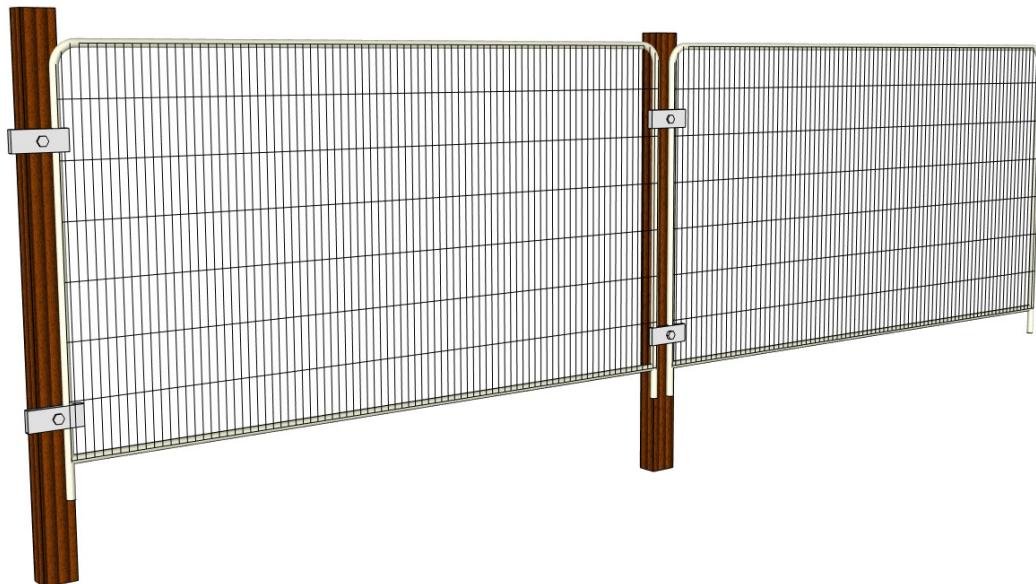
Appendix 6: Protective Fencing Specification

Figure A:- Tree Protection Fence as per BS5837:2012



Drawing Source: BS 5837:2012

B:- Alternative Fencing Detail

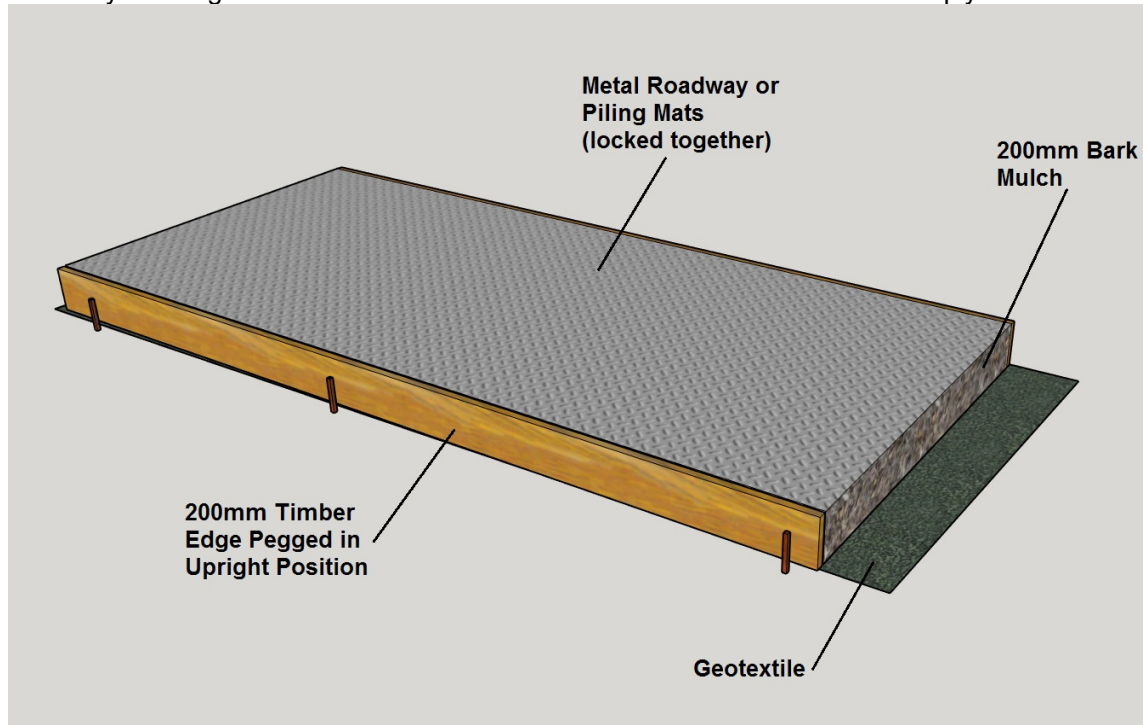


Weldmesh fence panels attached together using fence couplers bolted to 100mmx100mmx2400mm treated timber fence posts driven 500mm into the ground. Use of plant to assist with erection only from outside of root protection area.

Appendix 7: Access within Root Protection Areas

Ground Protection to Enable Access within Root Protection Areas

Roadway or Piling Mats can be substituted with sheet material such as OSB or plywood.



Where erecting scaffolding within areas of protected ground. The geotextile should be laid and then the scaffold footings placed on boards to spread the load. Ground protection as above should then be installed if access beneath the scaffolding is required.

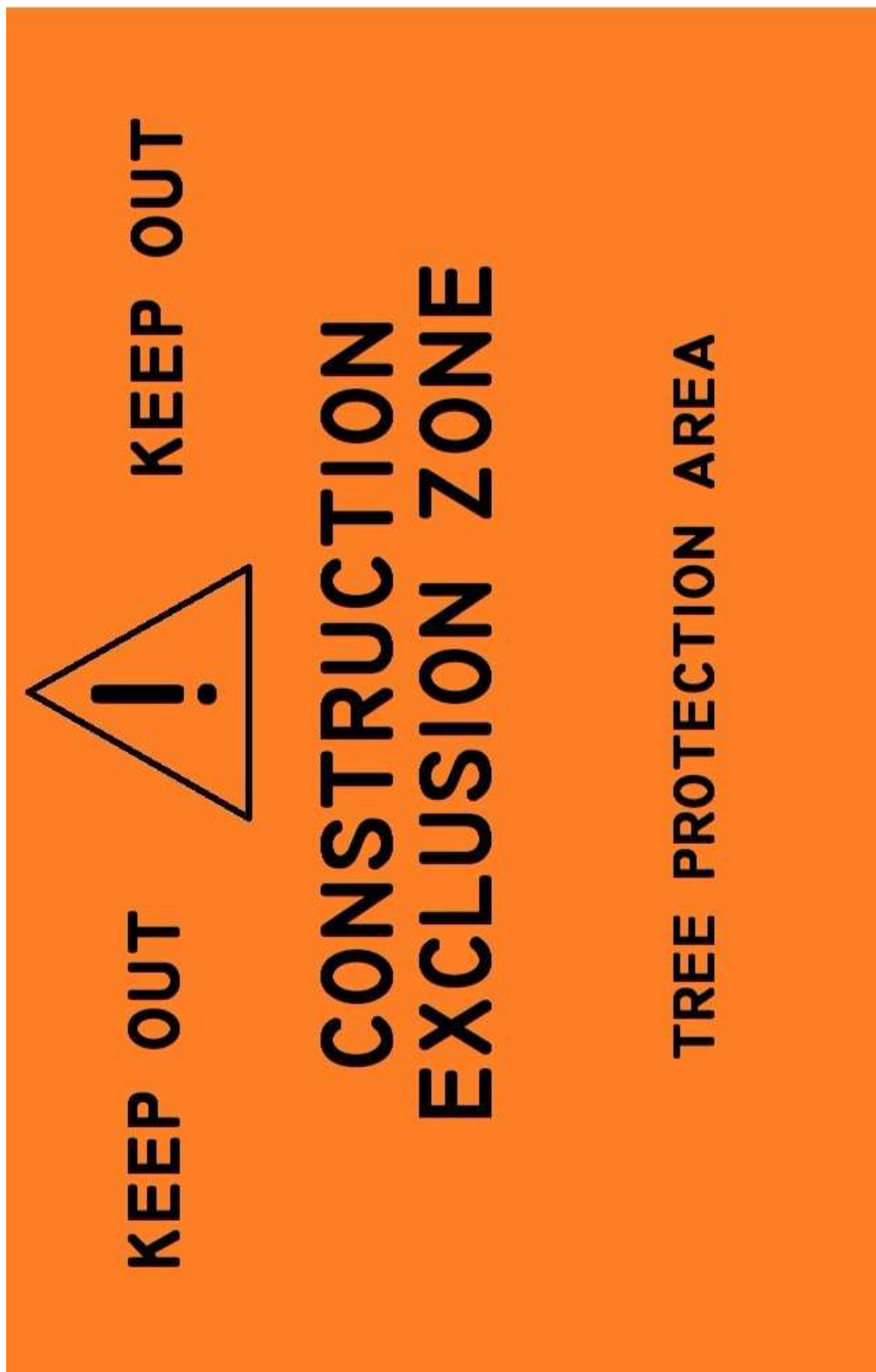
Tree stems within areas surrounded by ground protection should be wrapped with impact protection mats, such as the GGS Truck Protecta



Appendix 8: Removing Hard Surfaces & Other Excavations within Root Protection Areas

- All excavations within root protection areas must only be undertaken using hand tools or pedestrian operated machinery.
- The required excavations must be kept to a minimum to avoid unnecessary root damage and ideally undertaken during the presence of an arboriculturalist.
- Great care must be taken not to damage the bark of roots that can be retained in order to avoid wounds which could be exploited by pathogens.
- Exposed roots that can be retained must be wrapped with dry sacking if to be left exposed for extended periods e.g. overnight. Sacking must be removed prior to backfilling.
- All roots >25mm should be preserved and worked around. Where this is not possible, severance should only take place after consultation with the tree officer / appointed arboriculturalist. Roots must be cut using a sharp knife leaving as small a wound and as clean a cut as possible.
- Great care must be taken not to allow contaminants, such as oils, into the excavation.

Appendix 9: Construction Exclusion Zone Notice



Appendix 10: Tree Protection Zones Inspection Record

Tree Protection Zones Inspection Record – assessment of tree protection barriers and ground protection			
Date	Checked By	Comments	Action Required?

Appendix 11: Contact Details of Relevant Parties

Arboricultural Consultant

Charles Prowse
Elliott Consultancy Ltd
Wren's Nest
Underhill
Glaisdale
YO212PF

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07810200968
charles@elliottconsultancy.com

Local Planning Authority

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South Shields
United Kingdom
NE33 2RL

0191 424 7421
developmentservices@southtyneside.gov.uk