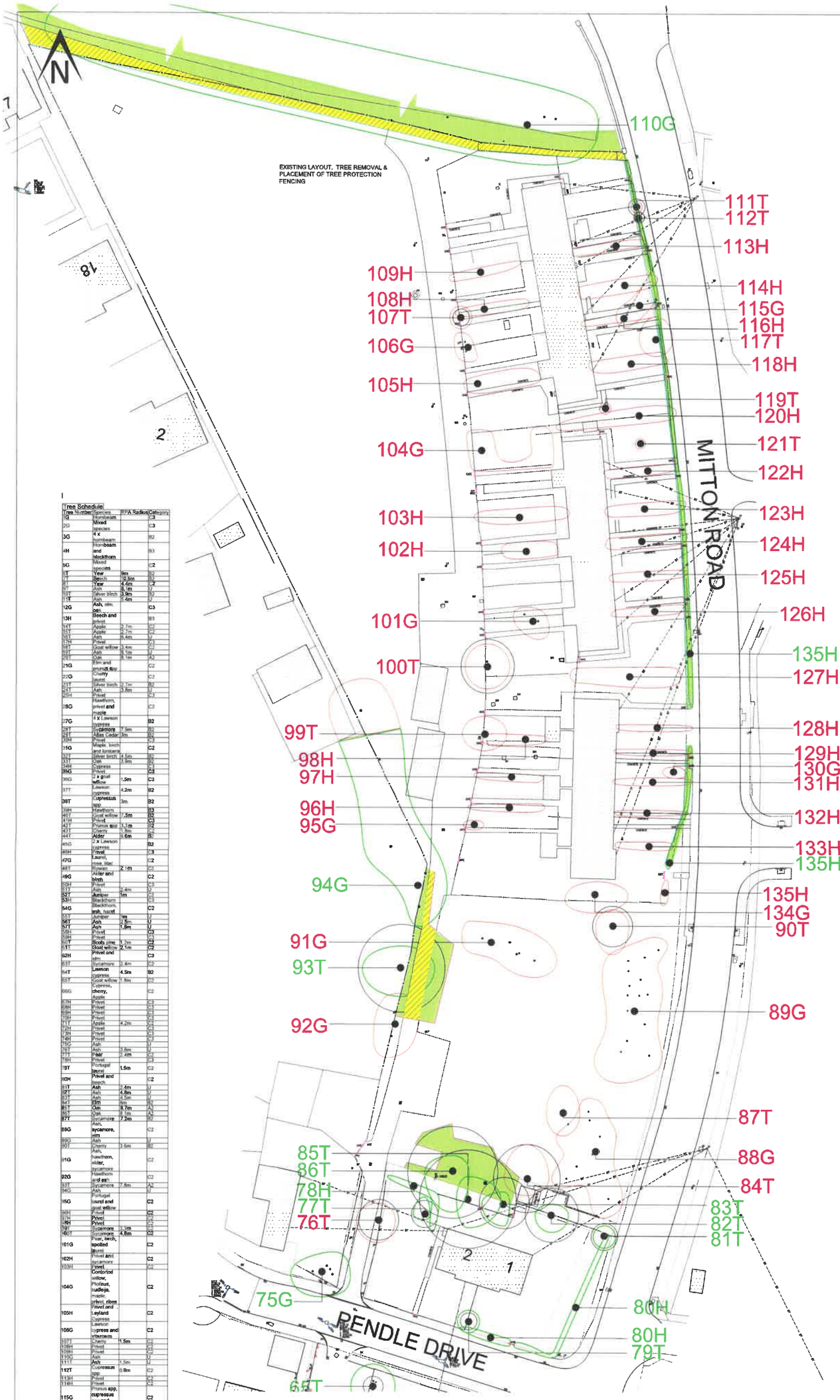


Phase	Requirements	Method
1 Prior to erection of protective fencing.	Undertake tree and vegetation removal Trees/vegetation to be removed:	**Refer to section 5.5 of AIA/MS report.** All tree works to be carried out to BS3998: 2010; by suitably qualified and insured professional tree surgeons. **The following tree felling must be undertaken at this Phase:**

Items requiring removal			
2G	Mixed Species	56T	Juniper
4H	Hornbeam & Blackthorn (partial removal only)	56T	Ash
5G	Mixed Species	57T	Ash
6T	Yew	58H	Privet
8T	Beech	59H	Privet
9T	Yew	60T	Scots Pine
9T	Ash	61T	Goat Willow
10T	Silver Birch	62G	Cypress, Cherry, Apple
11T	Ash	67H	Privet
12G	Ash, Elm & Oak	68H	Privet
13H	Beech & Privet	69H	Privet
14T	Apple	70H	Privet
15T	Apple	71T	Apple
16T	Ash	72H	Privet
17H	Privet	73H	Privet
18T	Goat Willow	74H	Privet
19T	Ash	78T	Ash
20T	Oak	87T	Sycamore
21G	Elm & Prunus	88G	Ash, Sycamore and Elm
22G	Cherry Laurel	89G	Ash
23T	Ash	90T	Cherry
24H	Privet	91G	Ash, Hawthorn, Elder, Sycamore
26G	Hawthorn, Privet & Maple	92G	Hawthorn & Ash
27G	4x Leyson Cypress	94G	Ash (partial removal only refer to plan)
28T	Sycamore	95G	Portugal Laurel and Goat Willow
29T	Atlas Cedar	96H	Privet
30H	Privet	97H	Privet
31G	Maple, Birch & Lonicera	98H	Privet
32T	Silver Birch	99T	Sycamore
33T	Oak	100T	Sycamore
34H	Cypress	101G	Pear, Birch, Spotted laurel
35G	Privet	102H	Privet & Sycamore
36G	2x Goat Willow	103H	Privet
37T	Leyson Cypress	104G	Willow, Buddleia, maple, Privet & Rose.
38T	Cupressus species	105H	Privet ? Leyland Cypress
39H	Hawthorn	106G	Leyson Cypress / Viburnum
40T	Goat Willow	107T	Cherry
41H	Privet	108H	Privet
42T	Prunus species	109H	Privet
43T	Cherry	111T	Ash
44T	Alder	113H	Privet
45G	2x Leyson Cypress	114H	Privet
46H	Privet	115G	Prunus, Cupressus and Eucalyptus
47G	Laurel, Rose & Lilac	116H	Privet
48T	Rowan	117H	Eucalyptus
49G	Alder & Birch	118H	Privet
50H	Privet	119T	Hazel
51T	Ash	120H	Privet & Holly
52T	Juniper	121T	Magnolia
53H	Blackthorn	126H	Privet
54G	Blackthorn, Ash & Hazel	129H	Privet, Hawthorn & Ash

Phase	Requirements	Method
2 Prior to erection of protective fencing.	Undertake tree and vegetation removal and pruning works Trees/vegetation to be removed: Trees/vegetation to be pruned:	**Refer to section 5.5 of AIA/MS report.** All tree works to be carried out to BS3998: 2010; by suitably qualified and insured professional tree surgeons. **The following tree felling must be undertaken at this Phase:**

Items requiring removal			
124H	Lonicera	132H	Privet, Hawthorn & Elm
125H	Privet	133H	Privet & Sycamore
126H	Privet	134G	Buddleia
127H	Privet	135H	Hawthorn
128H	Privet	141T	Silver Birch
129H	Privet	144T	Goat Willow
130G	Privet, Willow, Bamboo	148T	Beech (may be monolithed)
131H	Privet	151T	Beech (may be monolithed)

The following tree pruning must be undertaken at this Phase:

Items requiring pruning:		
3G	4x Hornbeam.	Prune back the lateral canopy spread to the north (over the site) back to the site boundary, to provide clearance
4H	Retained sections of the hedge require trimming/restructuring to contain the height and spread.	
52H	Privet & Elm.	Trim the lateral sections of the hedge on the site side to tidy & contain
152H	Common Oak.	Reduce the existing lateral canopy by approximately 3m in length and blend into remaining canopy.

Phase	Requirements	Method
3 Prior to any construction works on site	Erection of protective fencing: To remain throughout the duration of the development: Full specification fencing with lateral supports: Scaffold braced mesh adjacent dense vegetation:	Protective fencing is to be erected in accordance with 5.6 of AIA/MS report. The fencing must comply with the positions shown in the Tree Protection Plan. A scale copy of the Tree Protection Plan must be used as reference and fencing positions measured from the Plan using a scale rule and/or using the provided distances where shown. No works, no storage of materials, no access, or any ground disturbance is to take place within the Tree Protection Barrier Fencing other than works specified within the Arboricultural Method Statement. Fenced areas are to be treated as **Construction Exclusion Zones.** Warning signs to be placed on all protective fencing. For large sections of fencing the signs must be placed at 20m intervals. Signs must be laminated and securely attached at all corners. Two signs are to be placed side by side; copies of which are attached within Appendix A.
4 Verifying quality of protective barriers	Verify that the location and quality of tree protection barriers is adequate prior to onset of main site works.	Site visit with Arboricultural Consultant and Site Manager. Tree Officer to be pre-informed of visit. In order for set works to proceed the pro-forma in Appendix B. of the AIA/AMS report is to be completed and passed on to the local planning authority: If the protective barriers are not adequately, work is not to proceed until rectified.

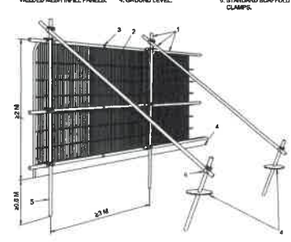
Phase	Requirements	Method
5 Demolition	Maintain protective fencing during demolition	The demolition must take place around tree protective fencing, where fencing has been erected. This will result in constrained working areas where root protection areas are present adjacent structures to be removed. In such cases demolition must take place within the root-print of the building using a 'pull down, pull back' approach. Where existing sections of hard surface fall within tree protection areas, existing access routes within the site may be constrained. In such cases demolition must take place around fencing, creating new accesses where existing structures are present. Should it be deemed necessary to access within a Construction Exclusion Zone, a addendum report will be required alternative protection measures within tree protection areas, such as use of heavy duty ground protection boards.
6 Removal of macadam edge	Controlled removal of existing structures and hard surfaces	1. Present during the work must be the project arboriculturalist, site manager and site operatives. 2. Prybars and/or jackhammer to be used to break edges of the existing road. Kerbs to be carefully extracted. 3. A mechanical digger to be used to 'peel' away hard surfaces as necessary. 4. Mechanical plant is to operate from the intact surfaces of hard surfaces, working back. 5. The sub-base of exposed sections of road to be regularly checked by the project arboriculturalist for the presence of roots. If roots are encountered, the project arboriculturalist will advise on whether further excavation shall take place, or how further excavation shall occur. A layer of no-more than 150mm depth good quality top soil to be placed over the removed hard surface to allow for subsequent laying of turf.
7 Completion of main construction and undertaking of landscaping	Landscaping and Dismantling of tree barrier protective fencing.	It is essential that ground levels within the root protection areas are not altered, either by raising or lowering soil levels; even at the landscaping stage. Landscaping operations must be undertaken in a manner that will not impact trees. Landscaping within the root protection area of trees must be undertaken in the following manner: 1. Any existing ground flora (grass/weeds/scrub) is to be sprayed with a systemic herbicide and left to die-off. 2. Dead flora is to be strimmed as hard as possible with a brush cutter or similar. The bulk of the strimmed material is to be removed by raking. 3. A good quality organic topsoil layer may be placed down. Small depressions may be filled (and lightly compacted underfoot). Placed topsoil soil layers must not exceed 100mm depth. 4. No plant machinery operating within the root protection areas to exceed 1 tonne gross weight and must only operate from properly ground protection boards such as DuraMatt Access Matts (see Appendix C). 5. Turf and other planting to proceed thereafter.

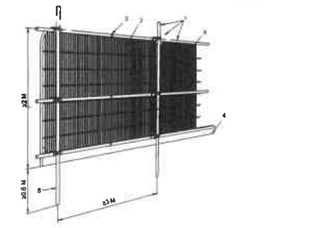
Phase	Requirements	Method
8 Completion of main construction and installation of boundary treatments	Garden and perimeter fencing within RPA of retained trees	In addition to the points addressed in 7 above, within RPAs of retained trees the wooden fencing shall be installed as follows: 1. Hand tools only 2. Exploratory post holes to be dug. Any roots encountered less than 2.5cm diameter should be cleanly cut back. 3. Roots in excess of 2.5cm can only be removed once arboricultural advice has been sought. 4. Where roots in excess of 5cm are encountered, an alternative location for the post hole is required. 5. Prior to the pouring of concrete a non-permeable membrane must fully line the post hole.

THIS DRAWING MUST BE VIEWED IN COLOUR AND READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT AND METHOD STATEMENT

Tree Schedule

Tree Number	Species	RPA Radius	Category
1G	Hornbeam		C3
2G	Mixed species		C3
3G	4 x hornbeam		B2
4H	Hornbeam and blackthorn		B3
5G	Mixed species		C2
6T	Yew	9m	B2
7T	Beech	10.5m	B2
8T	Yew	4.4m	C2
9T	Ash	5.4m	C2
10T	Silver birch	3.9m	B2
11T	Ash	5.4m	U
12G	Ash, elm, oak		C3
13H	Beech and privet		B3
14T	Apple	2.7m	C2
15T	Apple	2.7m	C2
16T	Ash	5.4m	U
17H	Privet		C3
18T	Goat willow	4.4m	C2
19T	Ash	5.1m	U
20T	Oak	8.1m	A2
21G	Elm and prunus spp		C2
22G	Cherry laurel		C3
23T	Silver birch	2.7m	B2
24T	Ash	3.6m	U
25H	Privet		C3
26G	Hawthorn, privet and maple		C2
27G	4 x Leyson cypress		B2
28T	Sycamore	7.9m	B2
29T	Atlas Cedar	7m	B2
30H	Privet		C3
31G	Maple, birch and lonicera		C2
32T	Silver birch	4.5m	B2
33T	Oak	3.9m	B2
34H	Cypress		C3
35G	Privet		C3
36G	2 x goat willow	1.5m	C3
37T	Leyson cypress	4.2m	B2
38T	Cupressus spp	3m	B2
39H	Hawthorn		B3
40T	Goat willow	1.5m	B2
41H	Privet		C3
42T	Prunus spp	1.7m	B2
43T	Cherry	3m	C2
44T	Alder	5.6m	B2
45G	2 x Leyson cypress		B2
46H	Privet		C3
47G	Laurel, rose, lilac		C2
48T	Rowan	2.1m	C2
49G	Alder and birch		C2
50H	Privet		C3
51T	Ash	5.4m	U
52T	Juniper	1m	C2
53H	Blackthorn		C3
54G	Blackthorn, ash, hazel		C2
55T	Juniper	1m	U
56T	Ash	3.6m	U
57T	Ash	1.8m	U
58H	Privet		C3
59H	Privet		C3
60T	Scots pine	1.2m	C2
61T	Goat willow	2.1m	C2
62H	Privet and elm		C3
63T	Sycamore	3.4m	C2
64T	Leyson cypress	4.5m	B2
65T	Goat willow	7.6m	C2
66G	Cypress, cherry, Apple		C2
67H	Privet		C3
68H	Privet		C3
69H	Privet		C3
70H	Privet		C3
71T	Apple	4.2m	C2
72H	Privet		C3
73H	Privet		C3
74H	Privet		C3
75G	Ash		U
76T	Ash	3.6m	U
77T	Pear	3.4m	C2
78H	Privet		C3
79T	Portugal laurel	1.5m	C2
80H	Privet and beech		C2
81T	Ash	3.4m	U
82T	Ash	4.8m	U
83T	Ash	4.5m	U
84T	Elm	6m	B2
85T	Oak	8.7m	A2
86T	Oak	8.1m	A2
87T	Sycamore	7.2m	B2
88G	Ash, sycamore, elm		C2
89G	Ash		U
90T	Cherry	3.5m	B2
91G	Ash, hawthorn, elder, sycamore		C2
92G	Hawthorn and ash		C2
93T	Sycamore	7.6m	A2
94G	Ash, Portugal laurel and goat willow		C2
95G	Privet		C2
96H	Privet		C2
97H	Privet		C2
98H	Sycamore	3.1m	C2
99T	Sycamore	4.8m	C2
100T	Pear, birch, spotted laurel		C2
101G	Privet and sycamore		C2
102H	Privet		C2
103H	Privet, Contorted willow, Photinia, buddleja, maple, prunus, ribes		C2
104G	Privet and Leyland Cypress, Leyson cypress and viburnum		C2
105H	Cherry	1.5m	A2
106G	Privet		C2
107T	Privet		C2
108H	Privet		C2
109H	Ash		U
110G	Ash	1.5m	U
111T	Cupressus spp	0.9m	C2
112T	Privet		C2
113H	Privet		C2
114H	Prunus spp, cupressus spp and eucalyptus		C2
115G	Privet		C2
116H	Eucalyptus	2.7m	C2
117T	Privet		C2
118H	Hazel	1.3m	C2
119T	Privet and holly		C2
120H	Magnolia	0.8m	C2
121T	Privet		C2
122H	Privet		C2
123H	Privet, elm, hawthorn and ash		C2
124H	Lonicera		C2
125H	Privet		C2
126H	Privet		C2
127H	Privet		C2
128H	Privet		C2
129H	Privet		C2
130G	Privet, willow, pheasant berry, bamboo		C2
131H	Privet		C2
132H	Privet, hawthorn, elm		C2
133H	Privet, sycamore		C2
134G	Buddleia		C2
135H	Hawthorn		C2
136T	Goat willow	2.2m	C2
137T	Beech		U
138T	Beech		U
139T	Beech	6.3m	B2
140T	Beech	6.9m	B2
141T	Silver Birch	3m	U
142T	Beech		A2
143T	Beech		A2
144T	Goat Willow	2.9m	C2
145T	Silver Birch	3m	U
146T	Beech		B2
147T	Beech	7.2m	B2
148T	Beech	7.8m	B2
149T	Beech	7.2m	A2
150T	Beech		A2
151T	Beech	9m	U
152T	Common Oak		A2
153T	Horse		A2





- ROOT PROTECTION AREAS
- TREES/GROUPS TO BE RETAINED
- TREES/GROUPS TO BE REMOVED
- SECTIONS OF TREE CANOPIES TO BE PRUNED BACK - REFER TO PHASE 1 OF THE ARBORICULTURAL METHOD STATEMENT SCHEDULE
- FULL SPECIFICATION TREE PROTECTION BARRIER FENCING. TO REMAIN IN SITU THROUGHOUT DEVELOPMENT PROCESS
- TREE PROTECTION BARRIER FENCING WITHOUT LATERAL SUPPORTS. TO REMAIN IN SITU DURING THE DEVELOPMENT PROCESS.
- CONSTRUCTION EXCLUSION ZONES
- CONTROLLED REMOVAL OF EXISTING STRUCTURES INCLUDING HARD SURFACE AREAS AND ROADSIDE VERGES. TO BE UNDERTAKEN USING HAND TOOLS, AND PLANT UNDER GUIDANCE OF PROJECT ARBORICULTURALIST

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Date	Dwn	Rdy

tba
Landscape Architecture
Arboriculture
Trevor Bridge Associates Ltd
Ashton Old Baths

Title
Tree Protection Plan
Sheet 2 of 4

Date	Scale(s)	Dwg No	Rev
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