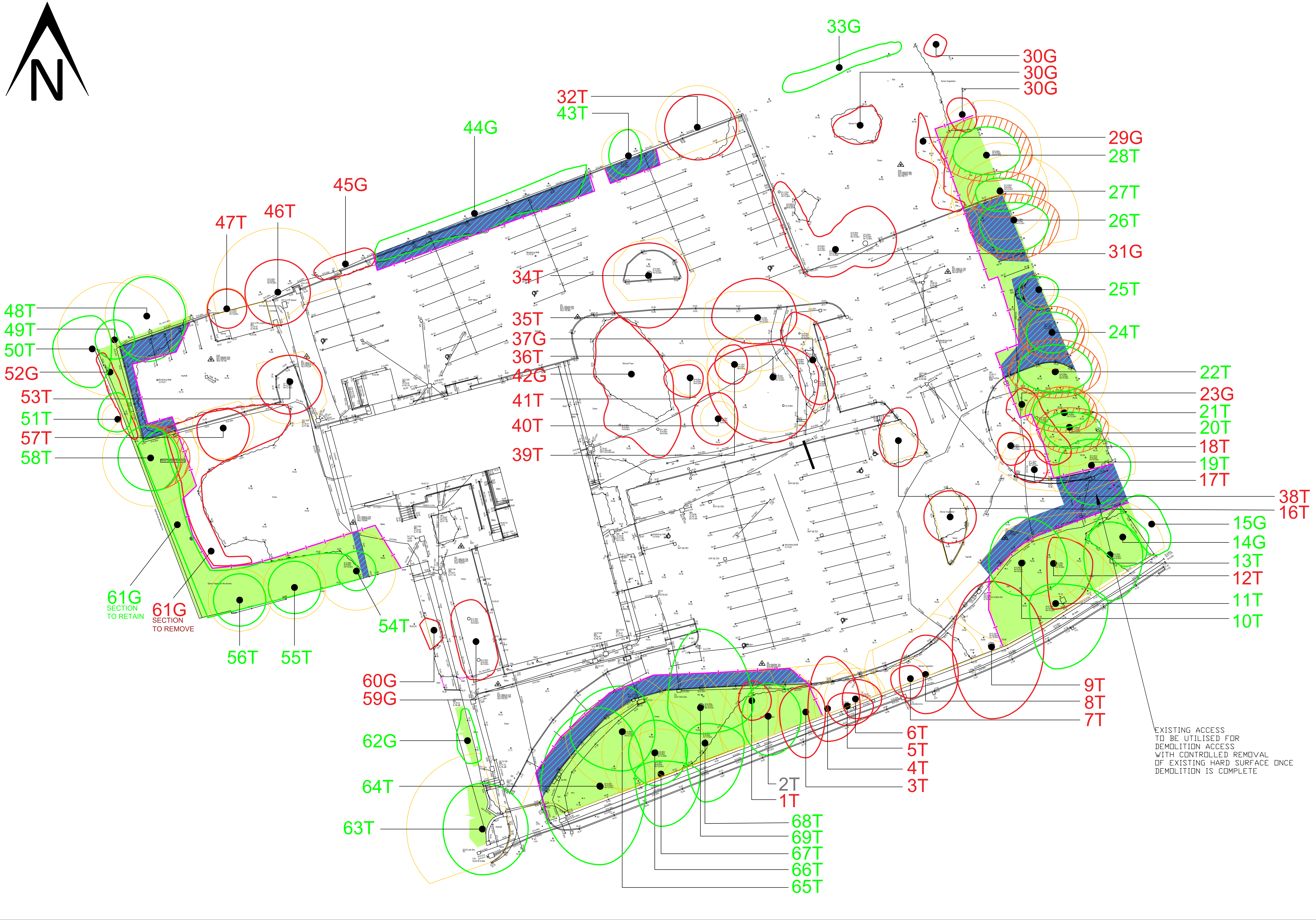
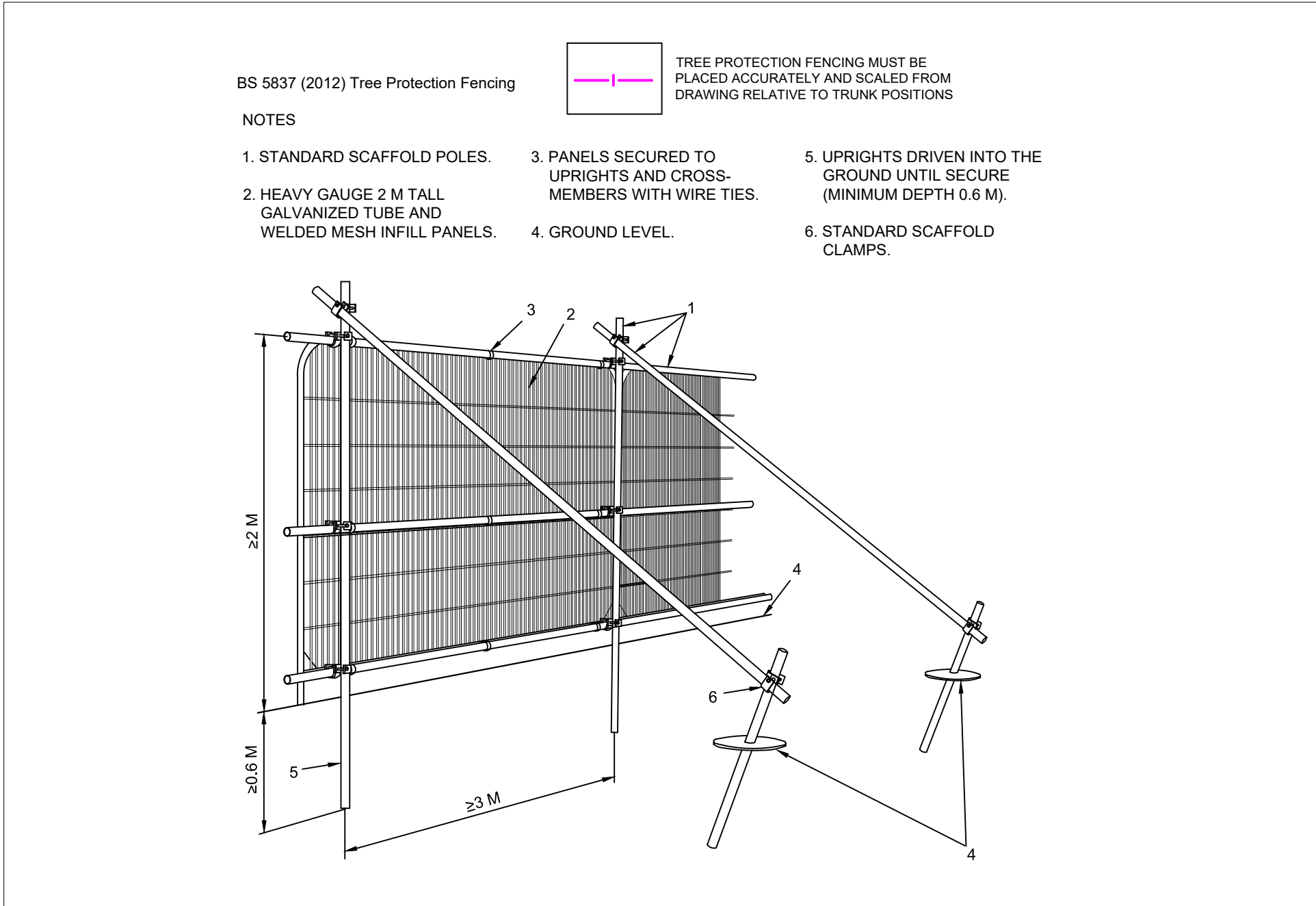




- TREES/GROUPS TO BE RETAINED
- TREES/GROUPS TO BE REMOVED
- TREES REQUIRING PRUNING
- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONES
- EXISTING HARD SURFACE AREAS TO BE REMOVED IN A CONTROLLED MANNER AND REINSTATED WITH TOP SOIL AND A BIOCHAR SOIL IMPROVER (WORKS TO BE UNDERTAKEN UNDER ARBORICULTURAL SUPERVISION)

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



- BS 5837 (2012) Tree Protection Fencing
- NOTES
1. STANDARD SCAFFOLD POLES.
 2. HEAVY GAUGE 2 M TALL GALVANIZED TUBE AND WELDED MESH INFILL PANELS.
 3. PANELS SECURED TO UPRIGHTS AND CROSS-MEMBERS WITH WIRE TIES.
 4. GROUND LEVEL.
 5. UPRIGHTS DRIVEN INTO THE GROUND UNTIL SECURE (MINIMUM DEPTH 0.6 M).
 6. STANDARD SCAFFOLD CLAMPS.

Phase	Requirements	Method																																																																																																									
1	Undertake tree and vegetation removal	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: <table><thead><tr><th>Item</th><th>Location</th><th>Notes</th></tr></thead><tbody><tr><td>1T</td><td>Dead Cherry*</td><td></td></tr><tr><td>2T</td><td>False Acacia</td><td></td></tr><tr><td>3T</td><td>False Acacia</td><td></td></tr><tr><td>4T</td><td>Horse Chestnut</td><td></td></tr><tr><td>6T</td><td>Variegated Holly</td><td></td></tr><tr><td>6T</td><td>Decid. Cedar</td><td></td></tr><tr><td>7T</td><td>Dead Hawthorn</td><td></td></tr><tr><td>8T</td><td>Horse Chestnut</td><td></td></tr><tr><td>9T</td><td>Hornbeam</td><td></td></tr><tr><td>12T</td><td>Whitebeam</td><td></td></tr><tr><td>16T</td><td>Rowan</td><td></td></tr><tr><td>17T</td><td>Cypress</td><td></td></tr><tr><td>18T</td><td>2x Holly & 1x Silver Birch*</td><td></td></tr><tr><td>23G</td><td>Common Oak, Goat Willow and Silver Birch</td><td></td></tr><tr><td>29G</td><td>6x Goat Willow</td><td></td></tr><tr><td>31G</td><td>4x Ash, 2x Hawthorn, 1x Oak, 1x Elm</td><td></td></tr><tr><td>32T</td><td>Ash</td><td></td></tr><tr><td>34T</td><td>Beech</td><td></td></tr><tr><td>36T</td><td>Hornbeam</td><td></td></tr><tr><td>38T</td><td>Beech</td><td></td></tr><tr><td>39G</td><td>3x Holly & 1x Silver Birch</td><td></td></tr><tr><td>38T</td><td>Whitebeam</td><td></td></tr><tr><td>40T</td><td>Holly</td><td></td></tr><tr><td>41T</td><td>Silver Birch</td><td></td></tr><tr><td>42G</td><td>Juniper, Lawson's Cypress, 2x Whitebeam, Common Oak</td><td></td></tr><tr><td>44G</td><td>2x Ash</td><td></td></tr><tr><td>46T</td><td>Ash</td><td></td></tr><tr><td>47T</td><td>Ash</td><td></td></tr><tr><td>49G</td><td>2x Ash, 1x Horse Chestnut and 1x Dead Tree</td><td></td></tr><tr><td>50T</td><td>Ash</td><td></td></tr><tr><td>67T</td><td>Sycamore</td><td></td></tr><tr><td>68G</td><td>2x Flowering Cherry</td><td></td></tr><tr><td>69G</td><td>Heathorn and Holly</td><td></td></tr><tr><td>61G</td><td>Mixed Species Group (Partial removal only)</td><td></td></tr></tbody></table> *Stumps of trees/groups must be removed using a self powered stump grinder	Item	Location	Notes	1T	Dead Cherry*		2T	False Acacia		3T	False Acacia		4T	Horse Chestnut		6T	Variegated Holly		6T	Decid. Cedar		7T	Dead Hawthorn		8T	Horse Chestnut		9T	Hornbeam		12T	Whitebeam		16T	Rowan		17T	Cypress		18T	2x Holly & 1x Silver Birch*		23G	Common Oak, Goat Willow and Silver Birch		29G	6x Goat Willow		31G	4x Ash, 2x Hawthorn, 1x Oak, 1x Elm		32T	Ash		34T	Beech		36T	Hornbeam		38T	Beech		39G	3x Holly & 1x Silver Birch		38T	Whitebeam		40T	Holly		41T	Silver Birch		42G	Juniper, Lawson's Cypress, 2x Whitebeam, Common Oak		44G	2x Ash		46T	Ash		47T	Ash		49G	2x Ash, 1x Horse Chestnut and 1x Dead Tree		50T	Ash		67T	Sycamore		68G	2x Flowering Cherry		69G	Heathorn and Holly		61G	Mixed Species Group (Partial removal only)	
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2	Erection of protective fencing	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.																																																																																																									
3	Verifying quality of protective barriers	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/MS report is to be completed and passed on to the local planning authority. If the protective barriers are not adequate, work is not to proceed until rectified.																																																																																																									
4 Ongoing	Maintain protective fencing	The tree protective barrier fencing is to remain in situ during all demolition & construction works.																																																																																																									
5	Removal of hard surface areas	1. Present during the work must be the project arboriculturalist, site manager and site operatives. 2. A panel from the protective fencing is to be removed in order to access the works area. 3. Prybars and/or jackhammer to be used to break edges of surface nearest the trees. 4. A mechanical digger to be used to peel away surface of existing road. 5. Mechanical plant is to operate from the road surface of the road, 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.																																																																																																									
6	Construction of wall within root protection areas	A layer of Terram 1000 geotextile to be laid down, with ground protection boards (see appendix C) to be laid on-top. Only mini-plant can operate in this location, and must operate on the ground protection boards only.																																																																																																									
7	Installation of geotextile cellular confinement systems	Installation of non-dig pavement surfaces: A three dimensional cellular confinement system is to be utilised (Cellweb). Guidance for the installation of the Cellweb is attached within Appendix D. Cross section details are to be provided (in conjunction with engineer and Cellweb recommendations). Technical specifications required, as well as cross section details relevant to the site can be provided by Cellweb suppliers, Geosynthetic (01455 617139). Email: Sales@geosyn.co.uk. Tree barrier protective fencing is to be moved only immediately prior to the installation of the Cellweb. The installation is to be carried out under Arboricultural Supervision. The ground layer in which Cellweb is to be installed is to be subject only to removal of existing turf layer. Adjoining levels must many with the required depth of the Cellweb, not vice versa. Once Cellweb is installed the protective fencing is to be relocated immediately adjacent the installed areas of Cellweb.																																																																																																									
8	Improvement of rooting zones	The following steps are to be taken: 1. An area of existing turf is to be carefully removed around both of the trees to a maximum radius of 5.0m (where space allows). The turf is to be removed using hand tools/ hand operated tools only. Removed turf is to be removed from site. 2. The exposed section of soil is to be lightly spiked with a fine spoke fork. This should comprise some 5 insertions per M². The intention is not to tiller soil but improve aeration and allow some penetration of soil improver. No insertions are to be made within 1m of the tree trunk to avoid larger structural roots. 3. A soil improver is to be applied over the exposed soil area. This is to comprise an enhanced biochar powder at a rate of some 1kg per M². 4. Once biochar has been applied, the treated area is to be covered in a woodchip mulch to a thickness no less than 75mm. Care must be taken to ensure clearance of the root collar of the trees. 5. A knee high rail fence is to be hand installed around the area of mulch.																																																																																																									
9	Completion of main construction and landscaping	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/crobs) is to be sprayed with a systemic herbicide and left to die-off. 2. Dead flora is to be stumped as hard as possible with a brush cutter or similar. The bulk of the stumped material is to be removed by taking 3. A good quality organic topsoil layer may be placed down. Small depressions may be filled (and lightly compacted underfoot). Placed topsoil 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 DuraMat Access Mats (see Appendix C). 5. Turf and other planting to proceed thereafter.																																																																																																									

Tree Schedule				
Tree Number	Species	RPA Radius	Category	
1T	Dead cherry	2.4m		
2T	False Acacia		C2	
3T	False Acacia		C2	
4T	Horse Chestnut		C1	
5T	Variegated Holly		C2	
6T	Deodar		C1	
7T	Dead Hawthorn		U	
8T	Horse Chestnut		B2	
9T	Beech		B1	
10T	Beech		A1	
11T	Beech		A2	
12T	Hornbeam	5.1m	U	
13T	Lime		B2	
14G	Young Cherry, Semi-mature Sycamore, Semi-mature Beech, Lawson cypress		C1	
15G	Hornbeam and 1x Beech		B2	
16T	Whitebeam		C1	
17T	Cypress		C1	
18T	Rowan	2.1m	C1	
19T	Horse Chestnut		A2	
20T	Lime	8m	A2	
21T	Sycamore	4.2m	B2	
22T	Horse Chestnut		A2	
23G	and 1x Cherry		C1	
24T	Sycamore		A2	
25T	Bay	2.4m	C2	
26T	Lime		A2	
27T	Lime	8.4m	A2	
28T	Common Oak, Goat Willow and Silver Birch		C3	
29G	6x Goat Willow		C3	
30G	4x Ash, 2x Hawthorn, 1x Oak, 1x Elm		U	
31G			C1	
32T	Ash		C1	
33G	4x Silver Birch		C1	
34T	Beech		B1	
35T	Hornbeam		A2	
36T	Beech	8.4m	A2	
37G	3x Holly & 1x Silver Birch		C1	
38T	Whitebeam		C2	
39T	Holly	4.2m	B2	
40T	Whitebeam	2.7m	C2	
41T	Silver Birch	2.7m	C1	
42G	Juniper, Lawson's Cypress, 2x Whitebeam, Common Oak		C3	
43T	Wild Cherry		C2	
44G	9x Cherry & 1x Ash		C1	
45G	2x Ash		U	
46T	Ash		U	
47T	Ash	6.3m	B2	
48T	Sycamore		B2	
49T	Lombardy Poplar		B2	
50T	Sycamore	6.6m	B2	
51T	Ash	2.4m	C3	
52G	2x Ash, 1x Horse Chestnut and 1x Dead Tree		U	
53T	Ash		U	
54T	Lawson's Cypress	6m	A2	
55T	Scots Pine	4.8m	A2	
56T	Scots Pine	4.8m	A2	
57T	Sycamore		B1	
58T	Sycamore		B2	
59G	2x Flowering Cherry		C3	
60G	Hawthorn and Holly		U	
61G	Mixed Species Group		C1	
62G	Beech and Hawthorn		B2	
63T	Beech		B2	
64T	Beech		A2	
65T	Beech		B2	
66T	Lime		B2	
67T	Sycamore		C1	
68T	Sycamore		B2	
69T	London Plane		A2	

Amends to layout

20.03.23

MG

C

Amends to layout

16.03.23

MG

B

Amends to layout

07.03.23

MG

A

No alterations to be made to this drawing

07.03.23

MG

A

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07.03.23

MG

A

tba

Landscape Architecture

Arboriculture

Trevor Bridge Associates Ltd

Ashton Old Bath

Stanford Street West

Ashton-under-Lyne

Lancs OL6 7FW

Tel: 0161-804 2099

E-mail: info@trevorbridge.co.uk

Project

PARKFIELD HOUSE, MANCHESTER OLD ROAD, MIDDLETON

MULLER PROPERTY GROUP

Title

Tree Survey and Root Protection Area

Sheet 1 of 2

Stage 1 Removal + Demolition

Date

Dec '22

Scale(s)

1:250

Dwg no

7082.04

Rev

C

Dwn

MG

Chkd

@ AO