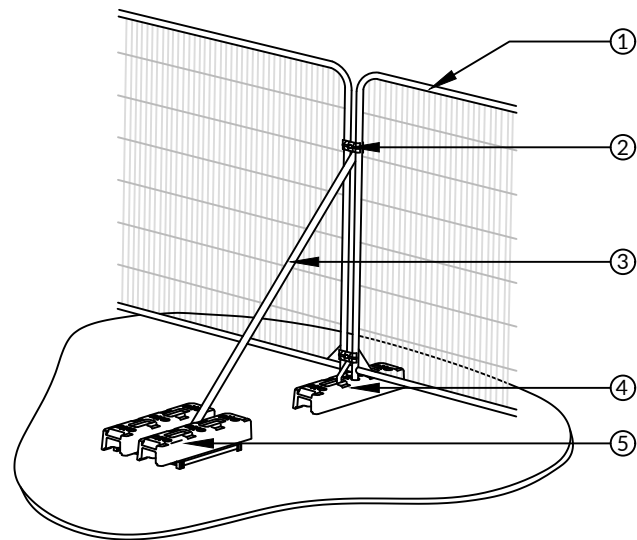


Trees at Jessiefield, Spath Road, Didsbury, M20 2QT																						
Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)							Condition Physiological / Structural	Tree works to BS 3998	Root protection radius (m)	Root protection area sq m					
			N	E	S	W	Single Stem	2-5 stems			More than 5 stems	Height of crown (m)	Height of first branch (m and direction)					Age class	Category grading	Estimated remaining contribution (%)		
								Stem 1	Stem 3	Stem 5											Mean dia	
1	Group of holly	9av			2av			15av						3	3NE	S	C2	>10	Group of sparsely foliated holly on Spath Road frontage.	Remove.	1.80	10
2	Holly	7	3	1	0	2	16							0	-	S	C1	>10	Dominated by adjoining hornbeam.		1.92	12
3	19 Hornbeam	16	9	7	5	7	61							1	3W	E	A2	>40	Part of a row of established trees on Spath Road frontage.	Crown lift to 3m above ground level.	7.32	168
4	Norway maple	15	7	9	8	7	59							5	6N	E	B2	>20	Established component of row of trees along Spath Road. Death of bark and some decay in main limb structure. Appears to be lacking vitality.		7.08	157
5	18 Silver birch	15	3	6	5	5	31							4	4S	E	B2	>20	Contributing to row of trees along Spath Road. Standing amidst dense shrubbery preventing thorough inspection and accurate measurement.		3.72	43
6	17 Red maple	14	5	6	6	7	50							4	4S	E	A2	>40	Contributing to row of trees along Spath Road.	Crown lift to 3m above ground level.	6.00	111
7	16 Copper beech	16	8	10	11	9	92							2	3E	M	A2	>40	Visually significant tree growing at junction of Spath Road with Lancaster Road. Particularly broad-spreading, as is typical of these species.		11.04	383
8	Deciduous magnolia	4	3	2	3	3				7	6	5		1	1E	S	C1	>10	Small ornamental tree growing in lawn.	Remove.	1.26	5
9	Group of ivy	5av			3av		15av							0	-	S	C2	>10	Outgrown stems growing amidst hedge.		1.80	10
10	Variegated holly	5	2	2	2	2	19							0	-	S	C1	>10	Small ornamental tree growing at edge of lawn.	Remove.	2.28	16
11	Sycamore	7	3	3	3	3	25e							0	-	S	C1	>10	Young tree that is growing amidst hedgerows.		3.00	28
12	Lawson cypress	9	2	2	2	2	27							0	-	S	C1	>10	Established conifer growing amidst shrub bed.		3.24	33
13	Cockspur thorn	5	1	1	1	1	30e							3	2SE	M	C1	>10	Established tree but densely smothered in ivy. Lacks vitality.	Remove.	3.60	41
14	T17 Sycamore	17	7	7	5	5	64							5	6S	M	A2	>40	Combines with other trees of similar size to form tree belt at southern end of garden.	Prune to provide 3m clearance from building.	7.68	185
15	T16 Beech	18	9	7.5	5.5	6	72							0	3NE	M	A2	>40	Combines with other trees of similar size to form tree belt at southern end of garden.	Prune to provide 3m clearance from building. Crown lift to 5m above ground level.	8.64	235
16	T15 Beech	19	7.5	5	5.5	6	59							1	5NE	M	A2	>40	Combines with other trees of similar size to form tree belt at southern end of garden.	Prune to provide 3m clearance from building. Crown lift to 5m above ground level.	7.08	157
17	T14 Beech	19	9	7	5	5	63							1.5	6E	M	A2	>40	Combines with other trees of similar size to form tree belt at southern end of garden. 2 patches of damage bark on lower stem. Lower stem partially smothered in ivy.	Crown lift to 5m above ground level.	7.56	180
18	Horse chestnut	10	8	3.5	4.5	6	37							3	2.5N	E	C1	>10	Development suppressed by adjoining, larger and better beech trees.	Crown lift to 5m above ground level.	4.44	62
19	T13 Beech	20	13	6	7	7	88							3	7S	M	A2	>40	Combines with other trees of similar size to form tree belt at southern end of garden.	Crown lift to 5m above ground level.	10.56	350
20	Sycamore	12	3	5	2	6	27							5	6NW	E	C1	>10	Suppressed by larger neighbouring trees.		3.24	33
21	Lime	18	6	5	5	7	55e							5	4N	E	A2	>40	Contributes to row of trees at southern end of the garden. Lower stem densely smothered in basal shoots preventing thorough inspection and accurate measurements.		6.60	137
22	Holly	9	6	3	2	5	34							0	-	E	C2	>10	Evergreen component of tree belt. Provides some screening between properties.		4.08	52
23	Lawson cypress	3	2	2	0	1	17							0	-	S	C1	>10	A small conifer that has been reduced in height in recent times.		2.04	13
24	T12 Beech	15	5	7	9	8	75e							3	5SW	M	B2	>20	Contributes to belt of trees at southern end of garden. Lower stem partially smothered in ivy preventing thorough inspection and accurate measurement. Appears to be some dead bark on the western side of the lower stem. Sparsly foliated compared to its neighbours.		9.00	255
25	Ash	12	6	6	3	5	63							3	3N	E	C1	>10	Established tree but central leader has been lost at circa 6m above ground level. Some decay associated with that stem loss. Some regrowth from point of breakage although that is showing signs of dieback.		7.56	180
26	T11 Horse chestnut	15	5	5	8	7	82							2	5SW	M	B2	>20	Crown biased to the south. Black exudation and bark nacriss on the lower stem as is typical with an infection with bacterial canker.		9.84	304
27	Group of yew	7av			4av		20av							2	2N	E	B2	>20	Established group of evergreens.		2.40	18
28	Beech	20	5	6.5	6	5	76							2	4SW	M	A2	>40	Contributing to tree belt at southern end of garden. Partial smothering of ivy on main stem.		9.12	261
29	Sycamore	17	5	3	6	6	55e							4	4SW	E	B2	>20	Contributes to tree belt in southern end of garden. Much of stem densely smothered in ivy preventing thorough inspecting and accurate measurement.	Crown lift to 5m above ground level.	6.60	137
30	T10 Beech	16	5	5	8	6	53							2	5N	E	A2	>40	Contributes to group of trees at southern end of garden. Bottom of stem smothered in dense ivy preventing thorough inspection.		6.36	127
31	Beech	20	5	7	7	7	71							1	5W	M	A2	>40	Contributes to group of trees at southern end of garden. Bottom of stem smothered in dense ivy preventing thorough inspection.		8.52	228
32	Ash	13	3	5	3	2	53							2	8SE	E	C1	>10	Contributes to belt of trees although is of low vitality. Main stem densely smothered in ivy preventing thorough inspecting.		6.36	127
33	False acacia	15	0	6	8	6	65							5	6SW	E	B2	>20	Established tree growing close to Lancaster Road. Partial smothering of ivy up the lower stem. Appears to vertical cavity revealing internal decay at circa 7-8m above ground level on western side of stem.	Remove.	7.80	191
34	Wych elm	10	2	2	4	5	17							2	2S	S	C1	>10	A recent (April 2024) inspection by the tree officer resulted in their request to remove this tree.		2.04	13
35	Norway maple	10	0	3	4	2	18							3	3S	S	C1	>10	Small tree. Development compromised by adjoining specimen.		2.16	15
36	Row of lawson cypress	8av			2av		15av							0	-	S	C2	>10	Extensively squirrel damage to lower stem suppressed by adjoining trees.		1.80	10
37	Cherry	5	3	5	3	2	27							2	1.5N	S	C1	>10	Row of conifers growing in adjoining property.		1.80	10
38	Lawson cypress	10	3	2	3	2	40e							0	-	S	C2	>10	Small ornamental tree growing in shrub bed.		3.24	33
39	Row of leyland cypress	7av			2av		15av							0	-	S	C2	>10	Established conifer growing in adjoining garden.		4.80	72
40	Deciduous magnolia	3	2	2	3	2				11	5	9		0	-	Y	C1	>10	Established row of conifers growing towards boundary.	Crown lift to provide 3m clearance above parking.	1.80	10
41	Ash	12	5	7	6	7	50e							6	6E	E	B1	>20	Small ornamental tree growing in flower bed.	Remove.	1.81	10
42	Cherry	11	6	6	4	5	50e							4	4N	E	B1	>20	Established tree growing in adjoining property.	Prune to provide 3m clearance from building.	6.00	113
43	Cherry	10	7	6	6	5	50e							5	4SE	E	B1	>20	Established tree growing in adjoining property.	Prune to provide 3m clearance from building.	6.00	113
44	Ash	11	2	4	4	5	30e							7	7W	S	C1	>10	Small tree growing amidst dense cherry laurel shrubbery.	Remove.	3.60	41
45	Sycamore	12	6	6	6	6	47							5	3E	E	C1	>10	Established tree growing close to boundary wall. Numerous tight unions between stems that are highly susceptible to failure. Exhibits lack of vitality.	Remove.	5.64	100

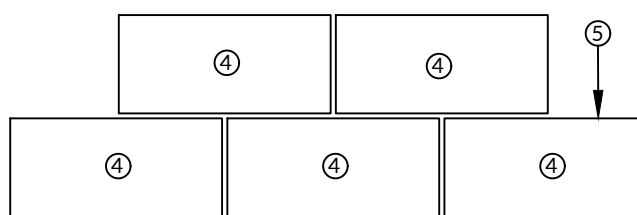
Figure 1: Example of a protective barrier



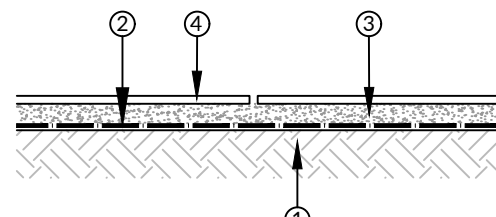
1. Steel mesh panel
2. Connectors fitted to secure panels
3. Diagonal strut
4. Block feet to avoid driven scaffold poles
5. Block tray weighted with blocks

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Figure 2: Typical ground protection detail



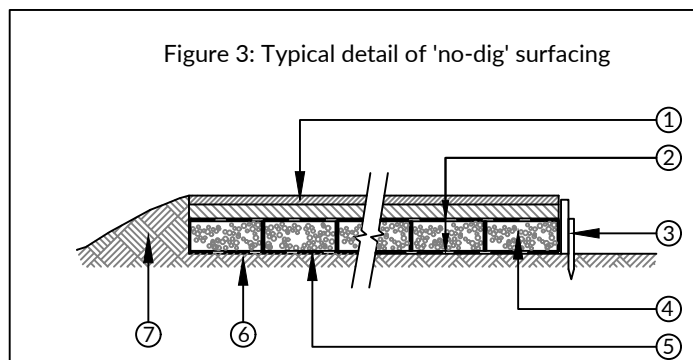
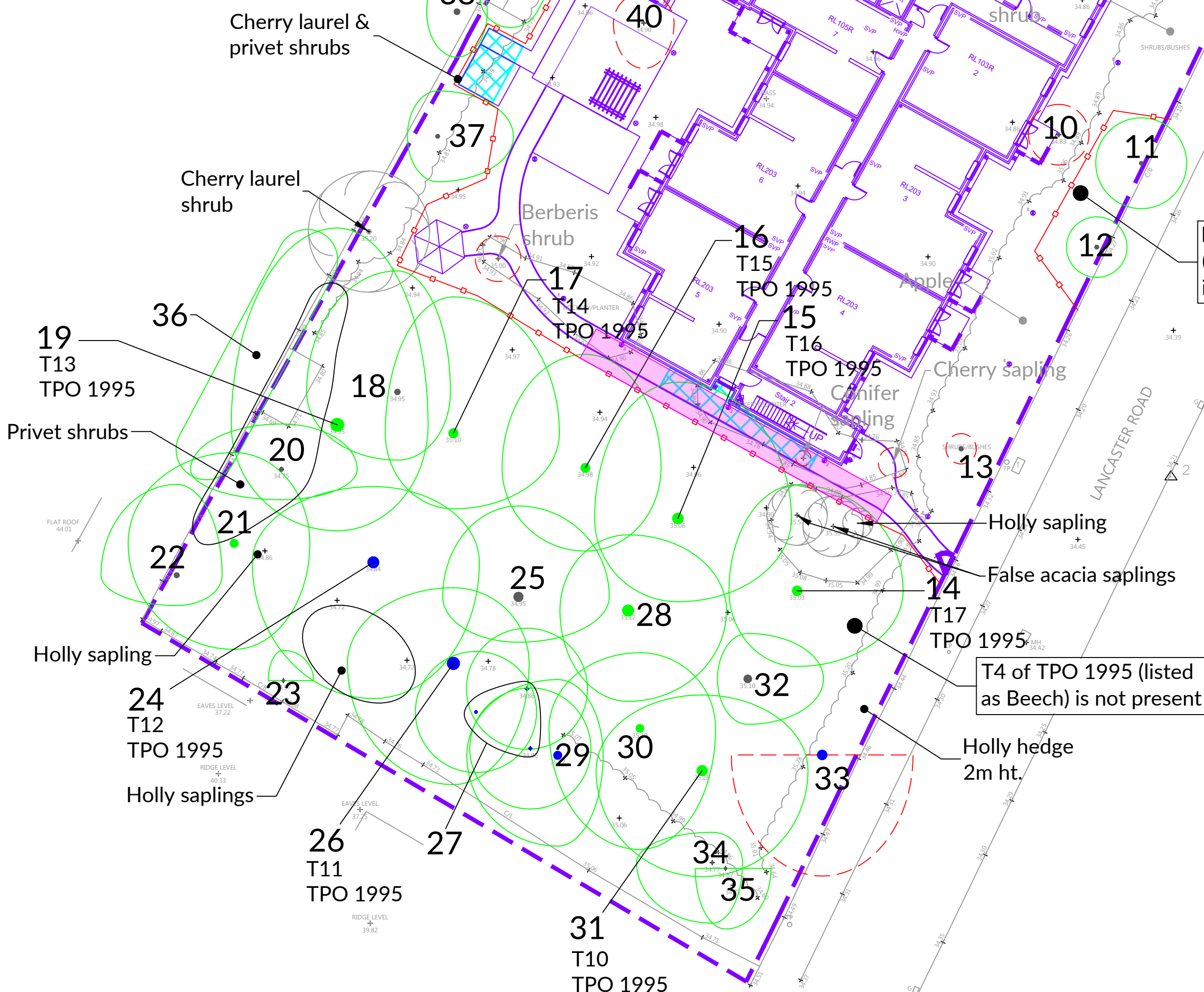
Plan of ground protection detail



Section of ground protection data

- Existing ground
- Geotextile membrane eg. Terram 1000 or similar
- Compression-resistant layer
(e.g. 100mm depth of woodchip)
- Robust sheets (timber, steel, recycled plastic)
overlying Terram 1000 or similar
- Where wider than one sheet stagger joints

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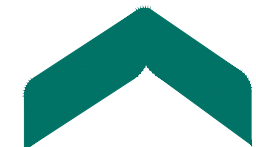


1. Surface material to engineer's specifications
2. Geotextile separation fabric as specified by engineers
3. Treated timber edging supported on timber posts or concrete gravel boards supported on concrete spur posts if required
4. 40/20mm clean angular stone
5. Cellular confinement system to engineer's specification and depth
6. Existing ground levels retained (no excavation)
7. Soil fill can be used at edges

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Life, well lived

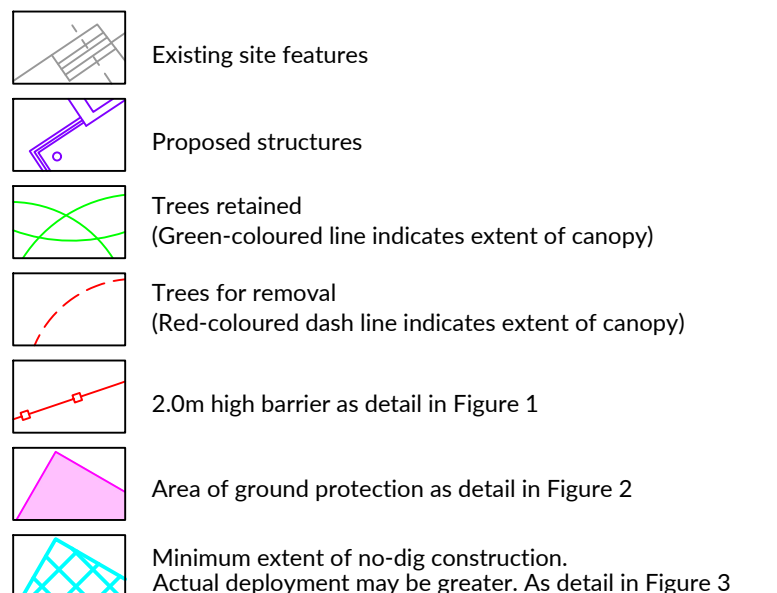
NORTH



NOTES

1. This tree survey information has been prepared for planning purposes only. **Additional detail will be needed for foundation design.**
2. The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
3. Scale for planning purposes only.
4. All dimensions to be checked on site.
5. The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
6. Details shown on this drawing are devised with reference to *BS5837:2012: Trees in relation to design, demolition and construction - Recommendations.*
7. Tree Preservation Order based on City of Manchester (Lancaster Road/Holme Road, Didsbury) Tree Preservation Order 1995.
8. Topographical survey based on CPLS drawing number 210518J-C01.
9. Where necessary, the site identified on the topographical survey they have been plotted by eye.
10. Proposed layout based on mck associates External works Plan drawing number NO-2697-04-AC-0018.

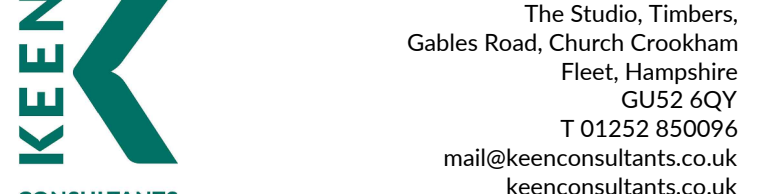
KEY



KEY TO TREE SCHEDULE

Museum Heading	Explanation	
Tree No.	Unique number corresponding with number on plan	
TPO No	If applicable and where known	
Species	English names	
HT (m)	Height in metres	
Branch Spread	Crown radius in metres to cardinal points of the compass	
Stem Dia	All measurements conform to Annex C of BS 5837:2012	
	Single stem - Stem diameter in centimetres measured at 1.5m above ground level	
	Multi-stemmed tree with 2 to 5 stems - Diameter of each stem	
	Multi-stemmed tree with more than 5 stems - Average stem diameter and number of stems	
Height of crown clearance	Height in metres between the ground and underside of canopy	
Height of first major branch and direction of growth	Height from ground level to base of first major branch and the approximate direction of growth	
Abbreviations as suffix to a dimension	Suffix 'x' denotes an estimated dimension	
Age Class	Suffix 'av' denotes an average dimension	
Age Class	Y = Young S = Semi-mature E = Early mature	
	M = Mature O = Over mature	
Category grading and Estimated remaining Contribution (yrs)	Summary of BS 5837: 2012 categorisation: 1. Trees unsuitable for retention: U = those in such a condition that they cannot realistically be regarded as living trees in the context of the current land use for longer than 10 years 2. Trees to be considered for retention: A1, 2 or 3 = trees of high quality (substantial contribution >40 yrs) B1, 2 or 3 = trees of moderate quality (significant contribution >20 yrs) C1, 2 or 3 = trees of low quality (but adequate, ie >10 yrs or young trees - until new planting can be established) Notes: Useful estimated remaining contribution of the tree or tree group based on figures stated in BS5837:2012 Brief description including phylogenetic and structural defects Tree Works Works required to be undertaken to the trees to facilitate the construction of remediate a defect encountered during the survey	
Root Protection Radius	Radius of minimum root protection area in metres calculated from section 4.6 and Annex D of BS5837:2012	
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius	
E	Tree 33 shown for removal following inspection by tree officer	16.04.24
D	Latest layout overlay	28.03.23
C	Latest layout overlay	27.02.23
B	Latest layout overlay	14.02.23
A	Latest layout overlay	12.09.22
O	Preliminary issue	10.09.20

Rev	Description	Date
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Client

McCARTHY STONE

Project

JESSIEFIELD,
CRATHUR ROAD, BIRMINGHAM

SPATH ROAD, DIDSBURY

Title

TREE PROTECTION PLAN

☐ **Do not**
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Drawn by _____ Checked by _____

ML JTK

Drawing Number

1050-KC-XX-YTREE-TPP01RevE