Tree Work Schedule

No.	Species	Works	Category
C1	A Collection	Fell trees to ground level; remove stumps	C_2
C2	A Collection	Fell trees to ground level; remove stumps	C_2
G1	Various	Fell trees to ground level; remove stumps	C_2
G2	Various	Fell trees to ground level; remove stumps	C_2
G3	Various	Fell trees to ground level; remove stumps	C_2
G4	Various	Partial removal of group. Fell trees to ground level; grind out stumps	B_{12}
W1	Various	Partial removal of group. Fell trees to ground level; grind out stumps. Prune: Crown lift trees within the path of the proposed pedestrian hard surface to ensure 3m clearance above current ground level for path users.	B_2
1	Holm oak	Fell tree to ground level; remove stump	C_1
2	Holm oak	Fell tree to ground level; remove stump	C_1
3	Holm oak	Fell tree to ground level; remove stump	C_1
4	Downy birch	Fell tree to ground level; remove stump	C_1
5	Holm oak	Fell tree to ground level; remove stump	C_1
6	Stags horn sumach	Fell tree to ground level; remove stump	C_1
7	Stags horn sumach	Fell tree to ground level; remove stump	C_1
8	Cherry	Fell tree to ground level; remove stump	C_{12}
9	Mountain ash	Fell tree to ground level; remove stump	C_{12}
10	Common ash	Fell tree to ground level; remove stump	C_{12}
11	Common ash	Fell tree to ground level; remove stump	C_{12}
12	Common ash	Fell tree to ground level; remove stump	C_1
13	Austrian pine	Fell tree to ground level; remove stump	C_2
14	Goat willow	Fell tree to ground level; remove stump	C_{12}
15	Scots pine	Fell tree to ground level; remove stump	C_{12}
16	Scots pine	Fell tree to ground level; remove stump	C_{12}
17	Scots pine	Fell tree to ground level; remove stump	C_{12}
18	Black elder	Prune: Crown lift tree within the path of the proposed pedestrian hard surface to ensure 3m clearance above current ground level for path users.	C_{12}
19	Sycamore	Prune: Crown lift tree within the path of the proposed pedestrian hard surface to ensure 3m clearance above current ground level for path users.	B_{12}
20	Sycamore	Prune: Crown lift tree within the path of the proposed pedestrian hard surface to ensure 3m clearance above current ground level for path users.	B_{12}
21	Norway maple	Prune: Crown lift tree within the path of the proposed pedestrian hard surface to ensure 3m clearance above current ground level for path users.	B_{12}

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree work - Recommendations.
All arising's are to be removed and the site is to be left as found.
Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber lorries, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

Protective Fencing

To be erected prior to the commencement of all works on site, and retained in place throughout construction.
Default specification: To comprise either 2.4m wooden site hoarding; or a 2.3m high scaffolding framework comprising of vertical and horizontal framework, well braced to resist impacts, with uprights to be spaced at a maximum of 3.0m intervals and driven into the ground by a minimum of 600mm. On to this, standard anti-climb welded mesh panels are to be securely fixed to each other with at least two scaffold clamps and to the scaffold framework with wire.
Secondary Specification: To comprise of 2m tall welded mesh panels on rubber or concrete feet. Panels are to be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence. The panels should be supported on the inner side by stabilizer struts, which should should be attached to a base plate and secured with ground pins.
All weather notices should be erected at regular intervals on the weld mesh panels with words such as "Construction exclusion zone - Keep out".

Tree Protection Area

KEEP OUT

Do **not** move this fence

(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECT OF A TREE PRESERVATION ORDER. CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION

ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

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Ground boarding

New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

Note The ground protection might comprise one of the following:

a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane;
b) for pedestrian-operated plant up to a gross weight of 2t, proprietary inter-linked ground protection boards placed on top of a compression-resisiatnt layer(e.g.150mm depth of woodchip), laid onto a geotextile membrane;
c) for wheeled or tracked construction traffic exceeding 2 t gross weight, an alternative system (e.g. proprietary system or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

'No Dig' Surfacing

Multi-dimmensional confinement system
Existing vegetation may be removed with hand tools or sprayed with an approved non residual herbicide such as 'Glyphosate'. The new hard surfacing will be constructed using a 'No Dig' surfacing situated entirely above the existing soil surface and where needed using a proprietary cellular confinement system (GeoWeb or similar) laid over a bi-axel geo-grid (tensar TriAx or similar). Proir to this any small hollows on the surface may be filled with clean sharp sand (not builders sand) to a maximum depth of 150mm. The 'GeoWeb' is to be back filled by hand with a no-fines aggregate of 20mm - 30mm. The area of 'GeoWeb' will be covered with a permeable geotextile fabric and the finished wearing course laid on top. Edge supports of an appropriate size and strenght should be set above ground level and secured with haunching or steel pins driven into the ground. the outer edge of the supports may be banked up with clean top soil.

Hard Surfacing Removal

Removal of and or replacement of hard surfacing situated either partially or completely within the RPAs of retained trees shall be undertaken with care and under the direct on-site arboricultural supervision as these areas are likely to contain roots.
Where this is necessary the wearing course will be broken up using a hand held pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. If it is necessary to remove the sub base this is to be undertaken using hand tools such as a fork to loosen the material and removed using shovels and wheels barrows.
In some situations and at the discretion of the arborist it may be possibly to use an excavator using a hydraulic breaker and suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside of the RPAs, on top of the hard surfacing working away from the RPAs or from ground boarding.
Which ever system is used the is to be **NO** disturbance of the soil beneath. If roots are found they are to be covered over with damp hessian and a layer of either sharp sand, wood chip or top soil to prevent desiccation.

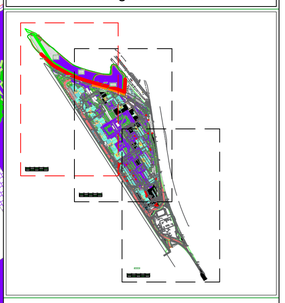
Arboricultural Supervision

The arboricultural consultant will be required to attend site to directly supervise all demolition and construction works that have to be undertaken within the root protection areas. This will include:
1. Pre start meeting.
2. Location of protective measures.
3. Supervised demolition of hard surfacing & kerb edging within RPAs of retained trees of groups W1 & G4.
4. Installation of 'No Dig' hard surfacing.
5. Any excavations within or adjacent to RPAs, including foundations, hard surfacing or underground services.
6. Removal of protective measures and sign off as compliant with arboricultural planning conditions.

Arboricultural Method Statement

Please refer to Arbtech Consulting Ltd. Tree Schedule and Arboricultural Method Statement, for full details on all surveyed trees and how all aspects of the the development maybe implemented without determent to retained trees.

Drawing Sheet Plan



0m 10m 20m 30m 40m 50m

Rev:	Date:	Notes:

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Project:
Mill Hill
London
NW7 2ET

Client:
Meadow Residential

Drawing:
Tree Protection Plan
Sheet 1 of 3

Based on:
P1-PLANNING-A01-00-03

Drawing No:	Rev:
Arbtech TPP 03	--

Date:	Scale:	Drawn:
Feb 2019	1:150 @ A0	JCH

Key:

Tree Nos.:	21	Tree Canopies:		Trunks:	
RPAs:		Category 'C' trees:		Existing Feature:	
Trees to be removed:	1	Protective fencing:		Ground boarding:	
Hard surfacing removal:		'No Dig' hard surfacing:			

All dimensions should be checked on site. No dimensions are to be scaled from this drawing.
Any discrepancy or error discovered must be found, Arbtech Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing which this drawing is based.
This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.
This drawing is not to be read as a definitive part of the engineering or construction designs or method statement. An architect or structural engineer should be contacted over any matters of construction, detailing or specification and for any standards or regulatory requirments relating to proposed structures, hard surfacing or underground services.
This drawing was produced in colour - a monochrome copy should not be relied upon.

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