ARBORICULTURAL METHOD STATEMENT

From commencement of the development, the following methodology shall be implemented in the manner and sequence described below

SEQUENCE OF WORKS

1. Pre-commencement site meeting
2. Tree pruning
3. Erection of 'tree protection barriers' and installation of 'temporary ground protection'
4. Demolition
5. Main construction phase
6. Removal of existing hard surfaces
7. Resurfacing of existing hard standing
8. Removal of 'tree protection barriers' and 'temporary ground protection'

1. PRE-COMMENCEMENT SITE MEETING

To outline working methods in relation to trees, a site meeting of the following shall take place prior to commencement of any demolition or construction activity:

- Client
- Structural engineer
- Demolition contractor
- Main contractor
- Site agent
- Project arboriculturist

Before the site meeting, existing incoming services and drainage shall be accurately located both on site and on a copy of this drawing

2. TREE PRUNING

a. All tree pruning work shall be implemented in accordance with Tree Survey Schedule CW/9411-SS2 and this drawing
b. All reasonable care shall be taken to avoid damage to retained trees, shrubs and hedges
c. All tree stumps within any area designated as a 'tree protection area' or otherwise protected on this drawing shall be removed by mechanical stump grinder and shall not be excavated in their entirety by mechanical excavator
d. All tree pruning works shall be carried out in compliance with British Standard 3998: 2010 Tree work - Recommendations

3. ERECTION OF TREE PROTECTION BARRIERS AND INSTALLATION OF TEMPORARY GROUND PROTECTION

a. The main contractor shall erect 'tree protection barriers' and install 'temporary ground protection' as detailed on this drawing
b. The 'project arboriculturist' shall inspect installation of the 'tree protection barriers' and 'temporary ground protection' prior to commencement of any demolition or construction works, site preparation, excavation or delivery of plant and materials

4. DEMOLITION

a. Prior to commencing work on site, the demolition contractor shall produce a method statement, which will set out working methods in relation to the protection of retained trees and hedges
b. Plant and machinery shall be of a size and design appropriate to operation within the constraints imposed by adjacent trees and hedges
c. Demolition of existing structures within the area identified by green solid-hatching on this drawing shall be supervised by a competent arboriculturist and carried out in accordance with the requirements of section 7.3 of British Standard 5837:2012 Trees in relation to design, demolition and construction - Recommendations (BS5837)
d. No fires shall be lit within 20m of any tree or hedge
e. Plant and equipment shall be neither stored nor refueled within 10m of any area designated as a 'tree protection area' or otherwise protected on this drawing
f. There shall be no excavation within 300mm of a 'tree protection barrier'
g. The integrity of the 'tree protection barriers' and 'temporary ground protection' shall be maintained for the duration of the demolition operations
h. Any damage occurring to 'tree protection barriers' or 'temporary ground protection' during demolition operations shall be reported to the 'project arboriculturist' and immediately made good by the main contractor

5. MAIN CONSTRUCTION PHASE

a. There shall be no storage of construction equipment, plant or materials within any area designated as a 'tree protection area' or otherwise protected on this drawing
b. Any construction within the area identified by green solid-hatching on this drawing shall be supervised by a competent arboriculturist and carried out in accordance with the requirements of section 7.2 of British Standard 5837:2012 Trees in relation to design, demolition and construction - Recommendations (BS5837)
c. No fires shall be lit within 20m of any retained tree or hedge
d. The site agent shall supervise all deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees and hedges are not at undue risk of damage
e. There shall be no excavation within 300mm of a 'tree protection barrier'
f. Any excavation for the installation, renewal or repair of underground services, within any area designated as a 'tree protection zone' or otherwise protected on this drawing, shall be carried out in accordance with the guidance set out in National Joint Utilities Group Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees (Volume 4 2007)
g. The integrity of the 'tree protection barriers' and 'temporary ground protection' shall be maintained for the duration of the main construction phase
h. Any damage occurring to 'tree protection barriers' or 'temporary ground protection' during the main construction phase shall be reported to the project arboriculturist and immediately made good by the main contractor
i. Site drainage and washings from concrete and mortar mixings shall be directed away from all 'tree protection zones'

6. REMOVAL OF EXISTING HARD SURFACES

a. The areas of existing hard surface identified by blue plus-hatching on this drawing shall be removed, by hand, using hand tools, under the supervision of the 'project arboriculturist'
b. The surface wearing course and sub-base aggregate layers shall be carefully broken out and removed ensuring no excavation of the underlying soils
c. Excavated ground shall be made up to surrounding levels with clean sandy topsoil

7. RESURFACING OF EXISTING HARDSTANDING

Resurfacing of the areas of existing hardstanding identified by blue plus-hatching on this drawing shall be carried out following removal, by hand, using hand tools, under the supervision of the 'project arboriculturist' of existing hardstanding without excavation of the underlying soils

8. REMOVAL OF TREE PROTECTION BARRIERS AND TEMPORARY GROUND PROTECTION

'Tree protection barriers' and 'temporary ground protection' shall be removed only on completion of construction works and in compliance with all relevant planning conditions

TREE PROTECTION SPECIFICATION

Tree Protection Zones shall: -

1. Be secured prior to commencement of any construction works, delivery of site accommodation or materials and shall remain intact for the duration of the demolition and construction works
2. Preclude all construction activity with the exception of specified arboricultural works and such works as have been agreed by all parties and to be carried out under supervision
3. Be protected by 'tree protection barriers' as specified on this drawing
4. Preclude the storage or tipping of all materials and substances. Toxic substances such as fuels, oils, additives and cement shall not be stored within 5m of any area designated as a 'tree protection zone' or otherwise protected on this drawing
5. Any incursion into 'tree protection zones' must be by prior arrangement, following consultation with the Local Planning Authority

Tree Protection Barriers

1. The 'tree protection barriers' shall comprise 2m high weldmesh 'Heras' type fencing
2. The fencing panels shall butt together and be securely fixed to a timber framework comprising 2.7m x 100 mm x 100mm timber posts, set or concreted into 600mm deep, 150mm diameter augured holes at 3.5m centres
3. No fixing shall be made to any tree and all reasonable care shall be taken to avoid damage to tree roots when locating posts
4. An A3 warning sign reading as per figure 1 shall be fixed to every 10m of 'tree protection barrier'
5. The 'project arboriculturist' shall direct erection of the 'tree protection barriers

Temporary Ground Protection

The areas of ground identified for 'temporary ground protection' on this drawing shall be either:
i) retained to existing hardstanding for the duration of the demolition and construction operations
ii) covered by side-butting scaffold boards or external grade plywood

Fig.1

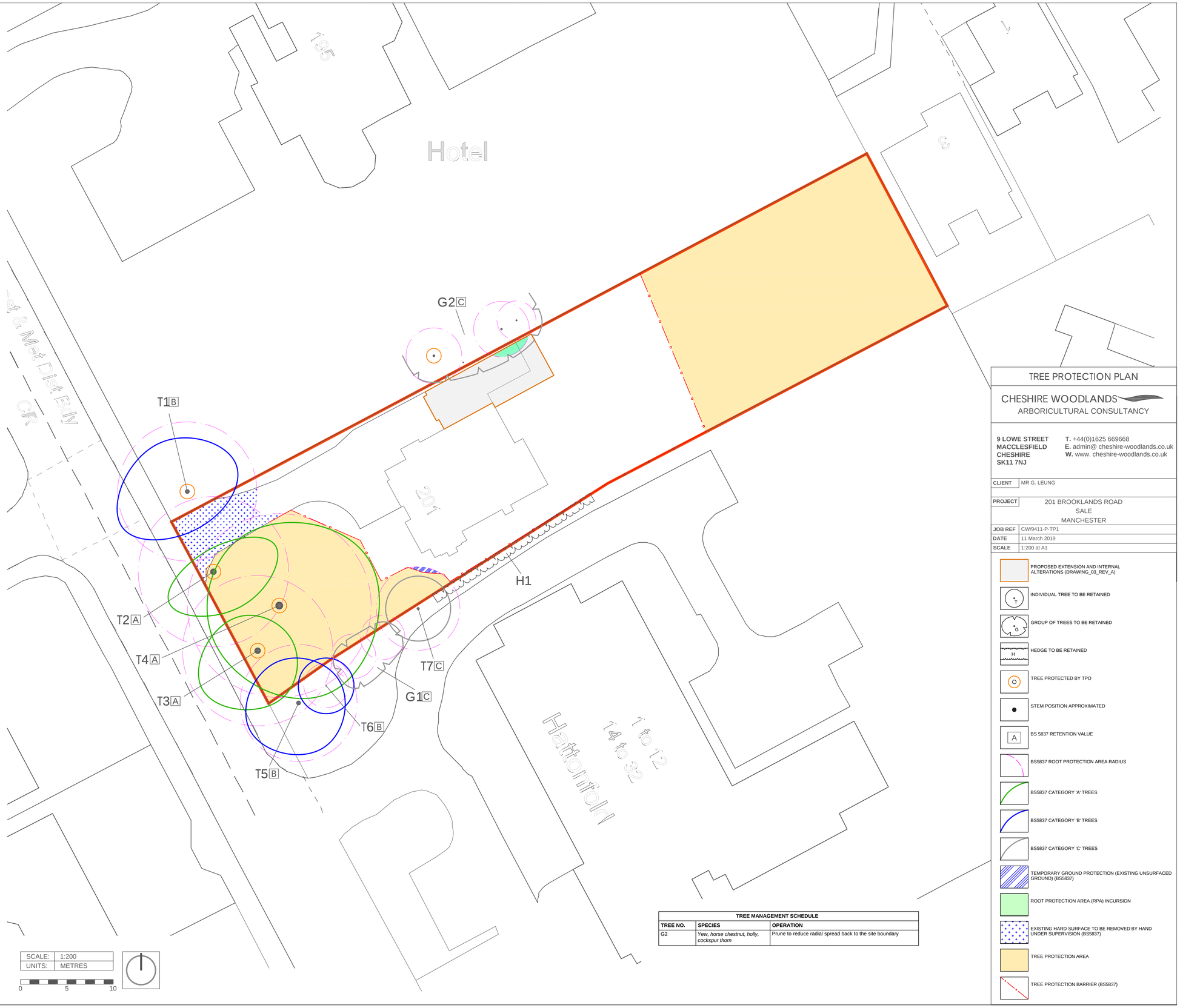
TREE PROTECTION ZONE
KEEP OUT!

ALL TREES ENCLOSED BY THIS FENCE ARE PROTECTED
BY PLANNING CONDITIONS (TOWN AND COUNTRY PLANNING ACT 1990)
AND ARE IN A CONSERVATION AREA AND ARE PROTECTED BY A
TREE PRESERVATION ORDER
CONTRAVENTION OF TREE PRESERVATION ORDER/CONSERVATION AREA
CONTROLS MAY LEAD TO CRIMINAL PROSECUTION

THE FOLLOWING MUST BE OBSERVED BY ALL PERSONNEL:

- THE TREE PROTECTION BARRIERS MUST NOT BE MOVED
- NO PERSON SHALL ENTER THE TREE PROTECTION ZONE
- NO MACHINE OR PLANT SHALL ENTER THE TREE PROTECTION ZONE
- NO MATERIAL SHALL BE STORED IN THE TREE PROTECTION ZONE
- NO SPOIL SHALL BE DEPOSITED IN THE TREE PROTECTION ZONE
- NO EXCAVATION SHALL OCCUR IN THE TREE PROTECTION ZONE

ANY INCURSION INTO THE TREE PROTECTION ZONE MUST BE
WITH THE PRIOR WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY



TREE MANAGEMENT SCHEDULE		
TREE NO.	**SPECIES**	**OPERATION**
G2	*Yew, horse chestnut, holly, cockspur thorn*	Prune to reduce radial spread back to the site boundary

TREE PROTECTION PLAN

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PROJECT	201 BROOKLANDS ROAD SALE MANCHESTER
JOB REF	CW/9411-P-TP1
DATE	11 March 2019
SCALE	1:200 at A1

- PROPOSED EXTENSION AND INTERNAL ALTERATIONS (DRAWING_03_REV_A)
- INDIVIDUAL TREE TO BE RETAINED
- GROUP OF TREES TO BE RETAINED
- HEDGE TO BE RETAINED
- TREE PROTECTED BY TPO
- STEM POSITION APPROXIMATED
- BS 5837 RETENTION VALUE
- BS5837 ROOT PROTECTION AREA RADIUS
- BS5837 CATEGORY 'A' TREES
- BS5837 CATEGORY 'B' TREES
- BS5837 CATEGORY 'C' TREES
- TEMPORARY GROUND PROTECTION (EXISTING UNSURFACED GROUND) (BS5837)
- ROOT PROTECTION AREA (RPA) INCURSION
- EXISTING HARD SURFACE TO BE REMOVED BY HAND UNDER SUPERVISION (BS5837)
- TREE PROTECTION AREA
- TREE PROTECTION BARRIER (BS5837)

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