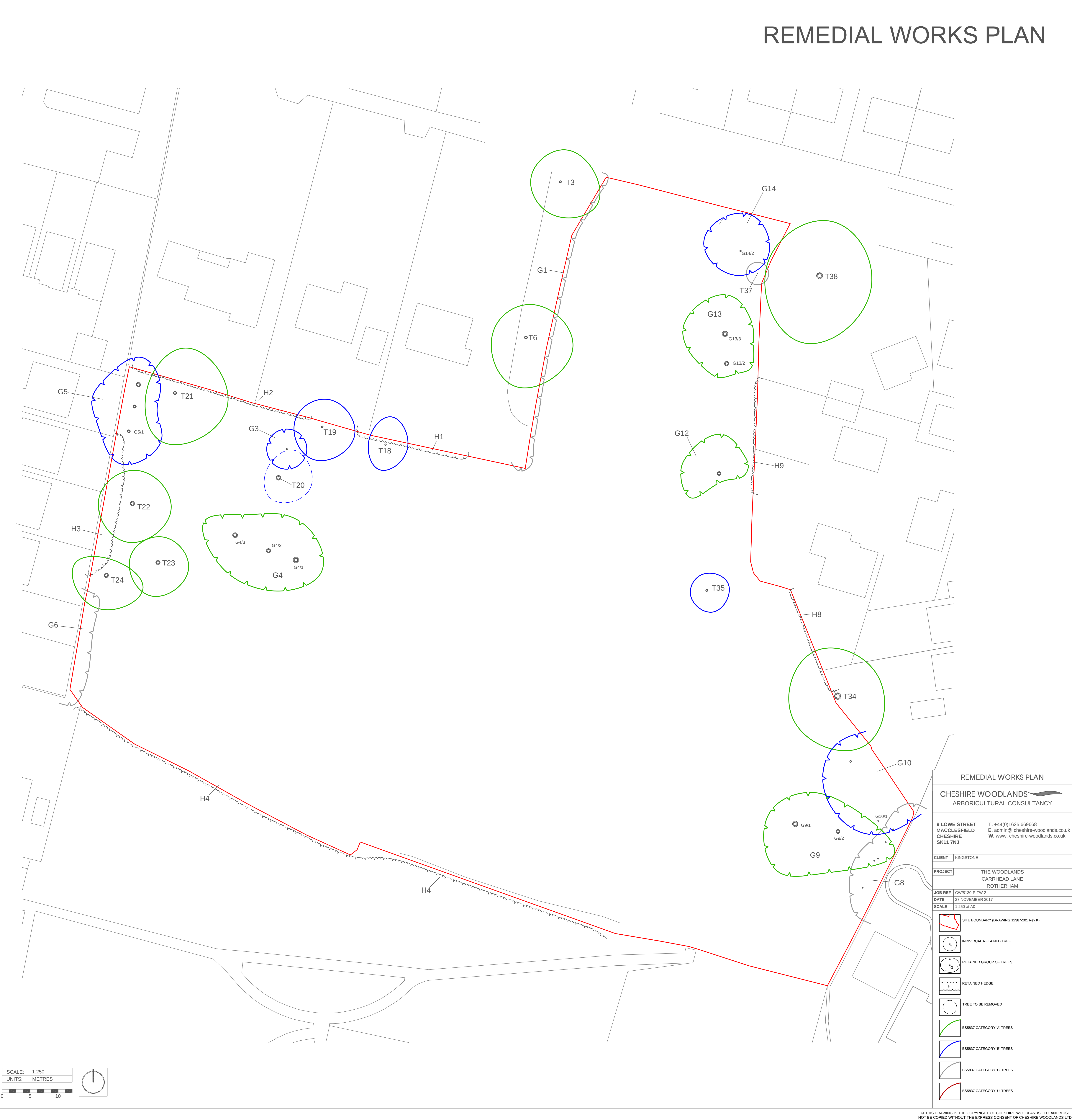


REMEDIAL WORKS SCHEDULE		
TREE NO.	SPECIES	OPERATION
T3	<i>Beech</i>	No work currently required
T6	<i>Beech</i>	Carefully clear mounded spoil and backfill excavated trenches Lightly hand-fork ground within Root Protection Area [RPA] to relieve surface compaction Protect Construction Exclusion Zone [CEZ] in accordance with Tree Protection Plan [TPP]
T18	<i>Ash</i>	Prune to remove broken branches in lower crown Remove skips and building materials from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect Tree Protection Barriers [TPB] and protect CEZ in accordance with TPP
T19	<i>Cherry</i>	Prune to remove large broken branch stub in lower crown Remove building materials from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
T20	<i>Beech</i>	Fell and grind stump to a depth of 0.3m
T21	<i>Beech</i>	Carefully clear mounded spoil, tipped branches and cut timber from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
T22	<i>Oak</i>	Prune to remove damaged branches from stem Carefully clear mounded spoil from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
T23	<i>Beech</i>	Prune to remove damaged branches in lower crown Carefully clear mounded spoil from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
T24	<i>Oak</i>	Carefully clear mounded spoil from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
T34	<i>Beech</i>	Lightly hand-fork ground within RPA up to edge of footpath to relieve surface compaction
T35	<i>Yew</i>	Remove building materials from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
T37	<i>Ash</i>	No work currently required
T38	<i>Beech</i>	No work currently required
G1	<i>Various</i>	No work currently required Optional - prune on east side back to boundary
G3	<i>1 Hawthorn</i>	Carefully clear mounded spoil from CEZ Lightly hand-fork ground within RPA to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
G4	<i>3 Oak</i>	Prune to remove branch stubs and tidy up branch tears where practicable Carefully clear mounded spoil from CEZ Lightly hand-fork ground within RPAs to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
G5	<i>3 Oak</i>	Carefully clear mounded spoil from CEZ Lightly hand-fork ground within RPAs to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
G6	<i>Various</i>	Erect TPB and protect CEZ in accordance with TPP
G8	<i>Sycamore</i>	Prune exposed severed roots at southern end Remove tipped spoil from beneath trees up to edge of new footpath to restore original ground levels and lightly hand-fork ground within RPAs to relieve surface compaction
G9	<i>2 Oak</i>	Carefully remove topsoil, gravel, stone and sand from CEZ Lightly hand-fork ground within RPAs to relieve surface compaction Erect TPB and protect CEZ in accordance with TPP
G10	<i>2 Ash</i>	Prune exposed severed roots at northern end Lightly hand-fork ground within RPAs to relieve surface compaction
G12	<i>1 Oak</i>	Lightly hand-fork ground within RPA on raised bank to relieve surface compaction Erect TPB up to rear edge of footpath and side of site cabins and protect CEZ in accordance with TPP
G13	<i>2 Oak</i>	Lightly hand-fork ground within RPA on raised bank to relieve surface compaction Erect TPB up to rear edge of footpath and protect CEZ in accordance with TPP
G14	<i>1 Ash</i>	Prune to remove broken branches in lower crown
H1	<i>Cypress</i>	Remove building materials and erect TPB along southern edge of crown
H2	<i>Cypress, Laurel</i>	Erect TPB and protect CEZ in accordance with TPP
H3	<i>Laurel</i>	Erect TPB and protect CEZ in accordance with TPP
H4	<i>mainly Hawthorn</i>	No work currently required
All tree and root pruning works to be carried out in accordance with the requirements of British Standard 3998:2010 Tree work - Recommendations		



ARBORICULTURAL METHOD STATEMENT

The following methodology shall be implemented in the manner and sequence described below

SEQUENCE OF WORKS

- Erection of 'tree protection barriers' and installation of 'ground protection'
- Construction of engineer-designed hard surfacing
- Construction phase
- Removal of 'tree protection barriers' and 'ground protection'
- Landscape works

1. ERECTION OF TREE PROTECTION BARRIERS AND INSTALLATION OF GROUND PROTECTION

- The main contractor shall erect 'tree protection barriers' and install 'ground protection' to provide tree protection as detailed on this drawing
- The 'project arboriculturist' shall inspect installation of the 'tree protection barriers' and 'ground protection' prior to commencement of any further construction works

2. CONSTRUCTION OF ENGINEER-DESIGNED HARD SURFACING

- The areas of new hard surfacing identified by blue cross-hatching on this drawing shall be constructed over the existing ground without excavation other than the removal, by hand, under the supervision of the 'project arboriculturist' of surface vegetation and minor (<100mm high) surface irregularities or loose soil to a depth of not more than 100mm
- The new surfacing in the blue cross-hatched areas shall be constructed using the 'Cellweb' or 'Geoweb' 3-dimensional cellular confinement systems (or equivalent)
- All aggregates used in the construction shall be no-fines, crushed gritstone or sandstone. **Limestone shall not be used**
- The wearing surface shall be of a material agreed with the local planning authority (LPA)
- The construction shall be to an engineer designed specification agreed with the LPA and shall include details of construction, existing and proposed ground levels, the bearing capacity of the underlying soils and likely future loading (domestic traffic or construction plant and machinery)
- Edge restraints shall be constructed from pressure treated timber boards secured to timber posts, or other means to be agreed with the LPA. In the installation of edge restraints, there shall be no excavation of ground other than that described at a. above.
- Final surface levels adjacent to the blue cross-hatched sections of hard surfacing shall be dictated by final surface levels of the engineer-designed section, and not vice-versa

3. CONSTRUCTION PHASE

- There shall be no storage of construction equipment, plant or materials within any area designated as a 'construction exclusion zone' or otherwise protected on this drawing
- No fires shall be lit within 20.0m of any retained tree or hedge
- 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 risk of damage
- Excavation shall not occur at a distance of less than 300mm from a 'tree protection barrier'
- There shall be no new excavation for the installation, renewal or repair of underground services within any area designated as a 'construction exclusion zone' or otherwise protected on this drawing
- The integrity of the 'tree protection barriers' and 'ground protection' shall be maintained for the duration of the construction phase
- Any damage occurring to 'tree protection barriers' or 'ground protection' during the construction phase shall be reported to the project arboriculturist and immediately made good by the main contractor
- Site drainage and washings from concrete and mortar mixings shall be directed away from all 'construction exclusion zones'

4. REMOVAL OF TREE PROTECTION BARRIERS AND GROUND PROTECTION

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

5. LANDSCAPE WORKS

- Landscape works shall be implemented in accordance with a scheme approved by the LPA
- There shall be no rotovation of ground within any area designated as a 'construction exclusion zone' or otherwise protected on this drawing
- Sandy topsoil may be spread within the 'construction exclusion zones' to a depth of not more than 100mm to facilitate the establishment of new vegetation. No other addition of soil or other material shall be carried out within any area designated as a 'construction exclusion zone' or otherwise protected on this drawing without prior consultation with the LPA
- No hard landscaping works or excavation for cables or any other service shall be carried out within the 'construction exclusion zones' without the prior written consent of the LPA. All such excavations shall be carried out in accordance with the guidance set out in NJUG4 (2007)

TREE PROTECTION SPECIFICATION

Construction Exclusion Zones shall:-

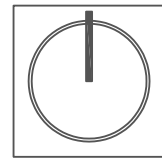
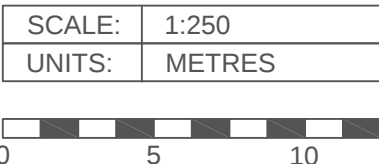
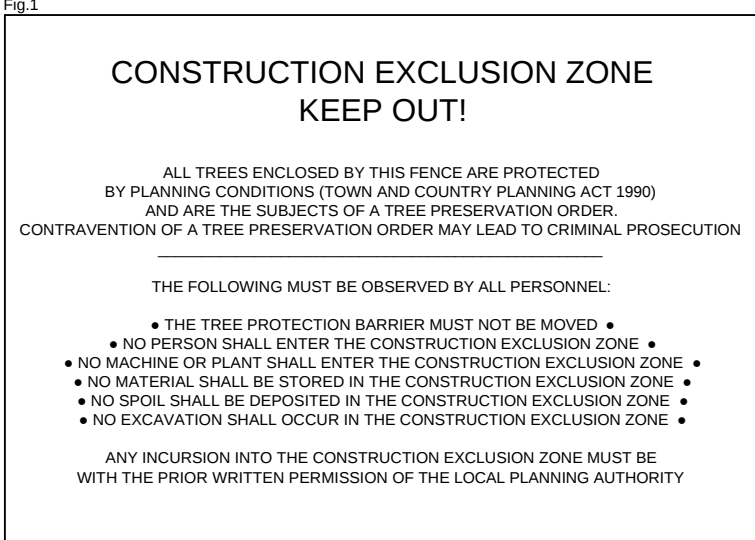
- Remain intact for the remainder of construction works
 - preclude all construction activity
 - be protected by 'tree protection barriers' and 'ground protection' as specified on this drawing
 - preclude the storage or tipping of all materials and substances
- Toxic substances such as fuels, oils, additives and cement shall not be stored within 5.0m of any area designated as a 'construction exclusion zone' or otherwise protected on this drawing
- Any incursion into 'construction exclusion zones' must be by prior arrangement, following consultation with the Local Planning Authority (LPA)

Tree Protection Barriers

- The 'tree protection barriers' shall comprise 2.0m high weldmesh 'Herax' type fencing
- The fencing panels shall butt together and be securely fixed to 2.7m x 100 mm x 100mm timber posts, set or concreted into 0.6m deep, 150mm diameter augured holes at 3.5m centres
- No fixing shall be made to any tree and every possible precaution shall be taken to prevent damage to tree roots when locating posts
- An A3 warning sign reading as per figure 1 shall be fixed to every 10.0m of 'tree protection barrier'

Ground Protection

The areas of ground identified for 'ground protection' on this drawing shall be either, covered by side-butting scaffold boards on top of a 100mm deep layer of wood chippings laid over a geotextile membrane, or supported on scaffold board bearers, which shall be fixed at 1.0m centres (pedestrian access only), or designed by an engineer to accommodate likely loading where access is required for wheeled or tracked machinery



TREE PROTECTION PLAN	
CHESHIRE WOODLANDS ARBORICULTURAL CONSULTANCY	
9 LOWE STREET MACCLESFIELD CHESHIRE SK11 7NJ	T: +44(0)1625 669668 E: admin@cheshire-woodlands.co.uk W: www.cheshire-woodlands.co.uk
CLIENT KINGSTONE	
PROJECT BOLTON HALL NURSING HOME CARRHEAD LANE ROTHERHAM	
JOB REF CWB130 P-TP-1	
DATE 27 NOVEMBER 2017	
SCALE 1:250 at A0	
SITE BOUNDARY (DRAWING 12387-201 Rev K)	
APPROVED DEVELOPMENT (DRAWING 12387-201 Rev K)	
BS5837 ROOT PROTECTION AREA RADIUS	
GROUND PROTECTION (BS5837)	
ENGINEER DESIGNED HARD SURFACE (BS5837)	
CONSTRUCTION EXCLUSION ZONE (BS5837)	
TREE PROTECTION BARRIER	
RETAINED INDIVIDUAL TREE	
RETAINED GROUP OF TREES	
RETAINED HEDGE	
BS5837 CATEGORY 'A' TREES	
BS5837 CATEGORY 'B' TREES	
BS5837 CATEGORY 'C' TREES	