TREE PROTECTION PLAN

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-contract site meeting
2. Tree removal and pruning
3. Temporary Protective Fence erection
4. Main construction phase
5. 'No-dig' hard surfacing construction
6. Underground services
7. Removal of Temporary Protective Fencing
8. Landscape works

1. PRE-CONTRACT SITE MEETING

To outline working methods in relation to trees, a site meeting of the following shall take place prior to commencement of any construction activity on site: -
- Client
- Structural Engineer
- Main Contractor
- Site Agent
- Consulting Arboriculturist

Before the site meeting, existing incoming services and drainage shall be accurately located both on site and on a copy of the Tree Protection Plan

2. TREE REMOVAL AND PRUNING

1. Prior to erection of Temporary Protective Fencing, all tree removal and pruning works shall be implemented in accordance with the Tree Protection Plan CW/5667-P1.
2. Every effort shall be made to prevent damage to retained trees.
3. All tree removal and pruning works shall be carried out at least to the standards specified in British Standard 3998: 1989 Recommendations for Tree Work, unless otherwise specified in the Tree Survey Schedule.
4. All operatives shall be equipped with and shall use personal protective equipment in accordance with current Health and Safety Executive guidance or current industry codes of practice.
5. Systemic herbicides shall not be used in the poisoning of the stumps of felled trees.
6. Performance of all arboricultural operations and use of equipment shall be in accordance with current directives of the Health and Safety Executive and current industry codes of practice.

3. TEMPORARY PROTECTIVE FENCE ERECTION

1. Following completion of the tree removal and pruning works, the Main Contractor shall erect Temporary Protective Fencing to provide tree protection as detailed on the Tree Protection Plan.
2. The Consulting Arboriculturist shall inspect installation of the Temporary Protective Fencing prior to commencement of any construction works, site preparation, excavation or delivery of plant and materials

4. MAIN CONSTRUCTION PHASE

1. There shall be no storage of construction equipment, plant and materials within any area designated as a Construction Exclusion Zone or otherwise protected on the Tree Protection Plan.
2. No fires shall be lit within 20.0m of any tree.
3. Excavation shall not occur at a distance of less than 300mm from a Temporary Protective Fence.
4. The integrity of the Temporary Protective Fencing shall be maintained for the duration of the Main Construction Phase.
5. Any damage occurring to Temporary Protective Fencing during the main construction phase shall be reported to the Consulting Arboriculturist and immediately made good by the Main Contractor.
6. Site drainage and washings from concrete and mortar mixings shall be directed away from all Construction Exclusion Zones.
7. The Project Arboriculturist shall visit the site monthly to assess the integrity of the tree protection.
8. The Project Arboriculturist will complete a report to be sent to the Site Owner and Main Contractor following each visit. In this regard, the Site Owner will instruct the Project Arboriculturist prior to any works commencing on site.

5. 'NO-DIG' HARD SURFACING CONSTRUCTION

1. The new hard surface section identified by cross-hatching on the Tree Protection Plan shall be constructed over the existing ground without excavation other than the removal of surface vegetation, mounded spoil and minor (<100mm high) surface irregularities or loose soil to a depth of not more than 100mm. Any excavation of ground within the cross-hatched area shall be carried out by hand under the supervision of the Consulting Arboriculturist.
2. The new surfacing in the cross-hatched area shall be constructed using the 'Cellweb' or 'Geoweb' cellular confinement systems to enable adequate loadbearing capacity to be achieved with a minimum depth of construction.
3. All aggregates used in the construction shall be no-fines, crushed gritstone or sandstone. **Limestone shall not be used within any Construction Exclusion Zone.**
4. The wearing surface shall be of a material agreed with the Local Planning Authority.
5. The construction shall be to an Engineer designed specification.
6. Edge restraints to the 'no-dig' sections of hard surfacing shall be constructed from pressure treated timber boards secured to timber posts, or other means to be agreed with the Local Planning Authority. In the installation of the edge restraints, there shall be no excavation of ground other than that described at 1 above. All timber shall be treated in compliance with BS4072 (Wood Preservation by Means of CCA Compositions).
7. Final surface levels adjacent to the 'no-dig' sections of hard surfacing shall be dictated by final surface levels of the 'no-dig' section, and not vice-versa.

6. UNDERGROUND SERVICES

There shall be no new excavation for the installation, renewal or repair of underground services within any area designated as a Construction Exclsuion Zone or otherwise protected on the Tree Protection Plan.

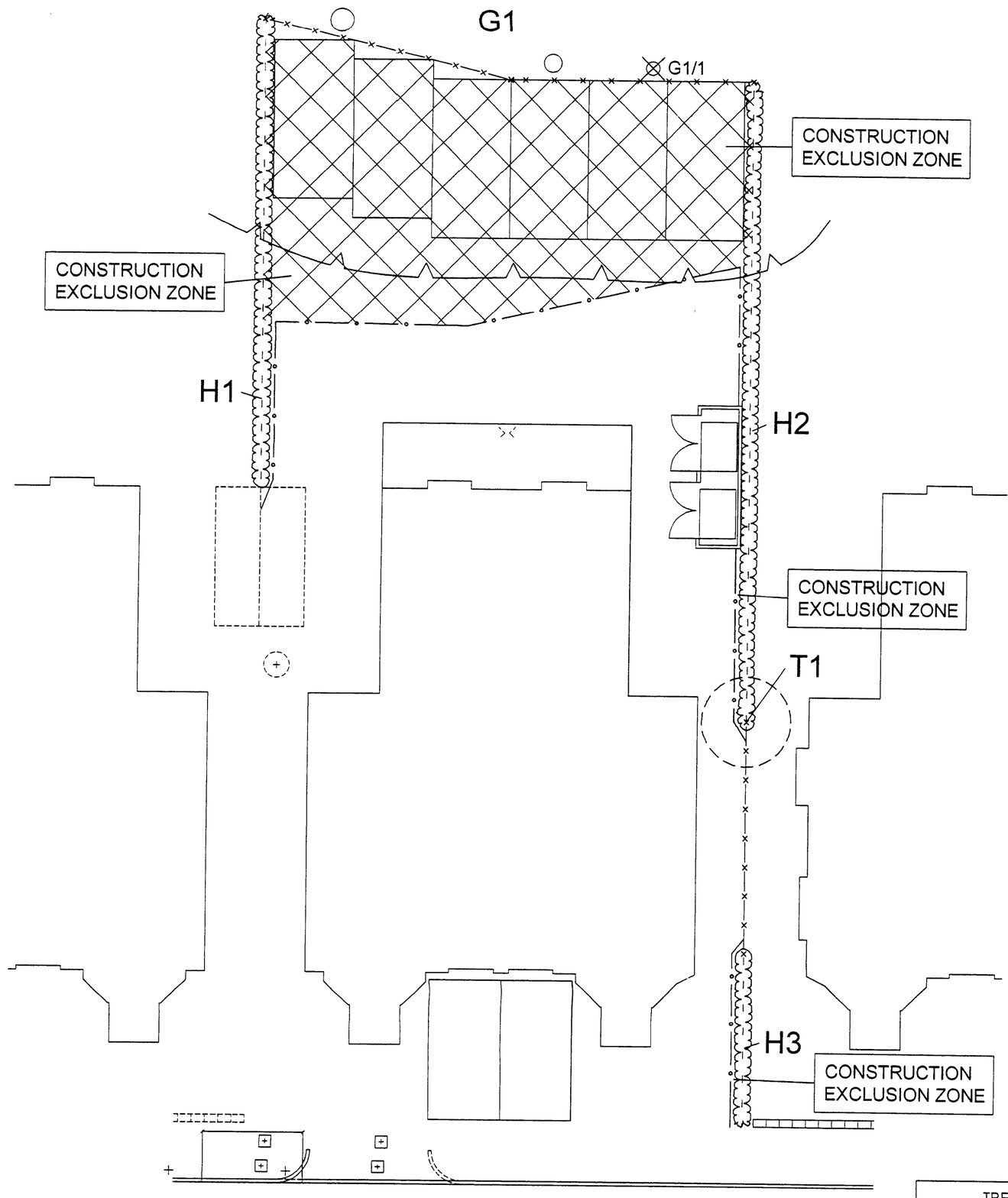
7. REMOVAL OF TEMPORARY PROTECTIVE FENCING

1. Temporary Protective Fencing shall be removed only upon completion of site construction works and in compliance with any relevant planning conditions.

8. LANDSCAPE WORKS

Landscaping works shall be implemented in accordance with a scheme approved by the Local Planning Authority and following removal of the Temporary Protective Fencing.

TREE WORK SCHEDULE		
NO	SPECIES	MANAGEMENT
T1	Sycamore	• Fell • Poison stump to prevent regrowth
G1	3 No. Sycamore	• **G1/1.** Fell and poison stump to prevent regrowth • **G1/2 & G1/3.** Prune on the north east side, by removal of low lateral and sub-lateral branches to obtain 8.0 metres ground clearance over the application site
H1	Privet	• Clip back to solid form
H2	Privet	• Clip back to solid form
H3	Privet	• Clip back to solid form



TREE PROTECTION SPECIFICATION

Construction Exclusion Zones enclosed by temporary protective fencing, shall: -

1. be erected prior to commencement of any construction works, delivery of site accommodation or materials and shall remain intact for the duration of site construction works;
2. preclude all construction activity with the sole 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 temporary protective fencing and other measures as specified below and as defined by area on the Tree Protection Plan;
4. preclude the storage or tipping of all materials and substances, in addition toxic substances such as fuels, oils, additives, cement or any other deleterious substance within 5.0 metre of an exclusion zone.

Any incursion into Construction Exclusion Zones must be by prior arrangement, following consultation with the Local Planning Authority.

Temporary Protective Fencing
1. Temporary Protective Fencing shall comprise 2.0m high weldmesh 'Heras' type fencing.
2. The fencing panels shall butt together and be securely fixed to 2.7m x 100 mm x 100 mm timber posts, set or concreted into 0.6m deep, 150 mm diameter augured holes at 3.5m centres.
3. No fixing shall be made to any tree and every possible precaution shall be taken to prevent damage to tree roots when locating posts.
4. A 600mm x 300mm warning sign reading as per figure 1 shall be fixed to every 10.0m of Temporary Protective Fencing.
5. The Consulting Arboriculturist shall direct erection of Temporary Protective Fencing.

Fig.1

CONSTRUCTION EXCLUSION ZONE
KEEP OUT!

ALL TREES ENCLOSED BY THIS FENCE ARE PROTECTED
BY PLANNING CONDITIONS (TOWN AND COUNTRY PLANNING ACT 1990)
CONTRAVENTION OF PLANNING
CONTROLS MAY LEAD TO ENFORCEMENT

THE FOLLOWING MUST BE OBSERVED BY ALL PERSONNEL:

• THE TEMPORARY PROTECTIVE FENCING MUST NOT BE MOVED •
• NO PERSON SHALL ENTER THE CONSTRUCTION EXCLUSION ZONE •
• NO MACHINE OR PLANT SHALL ENTER THE CONSTRUCTION EXCLUSION ZONE •
• NO MATERIAL SHALL BE STORED IN THE CONSTRUCTION EXCLUSION ZONE •
• NO SPOIL SHALL BE DEPOSITED IN THE CONSTRUCTION EXCLUSION ZONE •
• NO EXCAVATION SHALL OCCUR IN THE CONSTRUCTION EXCLUSION ZONE •

ANY INCURSION INTO THE CONSTRUCTION EXCLUSION ZONE MUST BE
WITH THE PRIOR WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

PLANNING
CKD
EPLIED
ECD 20 JUN 2008

TREE PROTECTION PLAN

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PROJECT	26-28 CENTRAL ROAD WITHINGTON
JOB REF	CW/5667-P1
DATE	17 JUNE 2008
SCALE	1:100

- T1 — INDIVIDUAL TREE TO BE RETAINED
- G1 — GROUP OF TREES TO BE RETAINED
- H1 — HEDGE TO BE RETAINED
- TREE TO BE REMOVED
- TREE TO BE REMOVED FROM A GROUP
- PROPOSED 'NO DIG' HARD SURFACE
- TEMPORARY PROTECTIVE FENCING

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