# 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. Erection of 'tree protection barriers'
4. Demolition
5. Main construction phase
6. Removal of 'tree protection barriers'
7. 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 demolition or construction activity on site: -

- Client
- Structural engineer
- 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 REMOVAL AND PRUNING**

a. All tree removal and pruning works shall be implemented in accordance with the Tree Management Schedule on this drawing
b. Every effort shall be made to prevent damage to retained trees, shrubs and hedges
c. All tree stumps within any area designated as a 'construction exclusion zone' 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 removal and pruning works shall be carried out at least to the standards specified in British Standard 3998: 2010 Tree work - Recommendations, unless otherwise specified in the tree survey schedule
e. 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
f. Systemic herbicides shall not be used in the poisoning of the stumps of felled trees
g. 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. ERECTION OF TREE PROTECTION BARRIERS**

a. The main contractor shall erect 'tree protection barriers' to provide tree protection as detailed on this drawing
b. The 'project arboriculturist' shall inspect installation of the 'tree protection barriers' 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
b. Plant and machinery shall be of a size and design appropriate to operation within the constraints imposed by adjacent trees
c. No fires shall be lit within 20.0m of any retained tree or hedge
d. Plant and equipment shall be neither stored nor refueled within 10.0m of any area designated as a 'construction exclusion zone' or otherwise protected on this drawing
e. Excavation shall not occur at a distance of less than 300mm from a 'tree protection barrier'
f. The integrity of the 'tree protection barriers' shall be maintained for the duration of the demolition operations
g. Any damage occurring to 'tree protection barriers' 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 'construction exclusion zone' or otherwise protected on this drawing
b. No fires shall be lit within 20.0m of any retained tree or hedge
c. 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
d. Excavation shall not occur at a distance of less than 300mm from a 'tree protection barrier'
e. Any excavation for the installation or renewal of underground services, within any area designated as a 'construction exclusion zone' or otherwise protected on this drawing, shall be carried out in accord with the guidance set out in NJUG 4 (2007)
f. The integrity of the 'tree protection barriers' shall be maintained for the duration of the main construction phase
g. Any damage occurring to 'tree protection barriers' during the main construction phase shall be reported to the project arboriculturist and immediately made good by the main contractor
h. Site drainage and washings from concrete and mortar mixings shall be directed away from all 'construction exclusion zones'

**6. REMOVAL OF TREE PROTECTION BARRIERS**

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

**7. LANDSCAPE WORKS**

a. Landscape works shall be implemented in accordance with a scheme approved by the LPA
b. There shall be no rotovation of ground within any area designated as a 'construction exclusion zone' or otherwise protected on this drawing
c. Sandy topsoil may be spread within the 'construction exclusion zones' to a depth of not more than 150mm 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
d. 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: -

1. be secured prior to commencement of any construction or demolition works, delivery of site accommodation or materials and shall remain intact for the duration of 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 'tree protection barriers' and other measures 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 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**

1. The 'tree protection barriers' shall comprise 2.0m 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 0.6m deep, 150mm 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. An A3 warning sign reading as per figure 1 shall be fixed to every 10.0m of 'tree protection barrier'
5. The 'project arboriculturist' shall direct erection of 'tree protection barriers'

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 CRIMINAL PROSECUTION

THE FOLLOWING MUST BE OBSERVED BY ALL PERSONNEL:

- THE TREE PROTECTION BNARRIERS 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




| TREE MANAGEMENT SCHEDULE | | |
|---|---|---|
| **TREE NO.** | **SPECIES** | **OPERATION** |
| T1 | *Cherry* | Fell for development<br>Grind or grub out the stump to a depth of 0.2m |
| T2 | *Scots pine* | Fell for development<br>Grind or grub out the stump to a depth of 0.2m |
| T3 | *Cherry* | Fell for development<br>Grind or grub out the stump to a depth of 0.2m |
| T4 | *Cherry* | Fell for development<br>Grind or grub out the stump to a depth of 0.2m |
| T5 | *Sycamore* | Prune to obtain 5 metres ground clearance by removal of low lateral branches |
| G1 | *Silver birch, Rowan* | Fell for development<br>Grind or grub out the stumps to a depth of 0.2m |
| H1 | *Californian privet* | Clip back to the boundary on east side |

| | |
|---|---|
| SCALE: | 1:250 |
| UNITS: | METRES |

0 5 10

TREE PROTECTION PLAN


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| | |
|---|---|
| **CLIENT** | IPEA INVESTMENTS LTD |
| **PROJECT** | SUTHERLAND ROAD<br>HEYWOOD<br>OLDHAM |
| **JOB REF** | CW/8109-P-TP |
| **DATE** | 8 NOVEMBER 2018 |
| **SCALE** | 1:250 at A1 |

- PROPOSED DWELLINGS (DRAWING T492_XP)
- TREE OR GROUP OF TREES TO BE REMOVED
- INDIVIDUAL TREE TO BE RETAINED
- GROUP OF TREES TO BE RETAINED
- HEDGE TO BE RETAINED
- BS 5837 RETENTION VALUE
- BS5837 ROOT PROTECTION AREA RADIUS
- BS5837 CATEGORY 'A' TREES
- BS5837 CATEGORY 'B' TREES
- BS5837 CATEGORY 'C' TREES
- CONSTRUCTION EXCLUSION ZONE (BS5837)
- TREE PROTECTION BARRIER (BS5837)


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