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ARBORICULTURAL METHOD STATEMENT

Kitchen Extension, Pendine Park, Summerhill, Wrexham

Prepared for:

Mr M Kreft

Planning Ref: P/2011/0368
Our Ref: 11/AMS/WXM/70

21 September 2011

1.0 Introduction

- 1.1 Tree Solutions has been commissioned by Mr M Kreft to prepare a site specific Arboricultural Method Statement (AMS) in order to satisfy and discharge Planning Conditions 6 and 7 of Planning Code No. P/2011/0368.
- 1.2 This Method Statement sets out the methodology and protection measures for all works within close proximity to retained trees indicated on the Tree Protection Plan at **Appendix 2**. These are the only trees likely to be influenced by the approved construction of a single storey kitchen extension to the southern elevation of Pendine Park, Summerhill Road, Wrexham. Compliance with this method statement will be a requirement of all relevant contracts associated with the development. Copies of this document will be made available for inspection on site.
- 1.4 Trees to be retained and details including the designated Root Protection Area and location of tree protective fencing are clearly indicated on the Tree Protection Plan ref 11/AIA/WXM/70, Drawing No 1 which is at **Appendix 2** to this report.
- 1.5 The purpose of the AMS is to provide information on protection and control measures affecting the existing tree stock. The works, with applicable methodology, are divided into the sequence of operations at paragraph 5.0:

2.0 STATUTORY CONTROLS

- 2.1 All trees are subject to a Tree Preservation Order as such the statutory consent of the LPA is required prior to any tree works taking place.

3.0 SITE PLAN

- 3.1 The observations and recommendations contained in this document relate to the approved layout plan Ref: 2238 Plan Drawing No: 34 dated September 2010 provided by Wynn Rogers Partnership.
- 3.2 The method statement should be read in conjunction with the enclosed Tree Protection Plan, which is based upon the above drawing.

4.0 DEVELOPMENT IMPACT ON TREES

There is one potential impact on trees from the proposed construction works as detailed below:

- 1 Construction traffic access to development area

5.0 SEQUENCE OF OPERATIONS

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

1. Erect temporary protective fencing
2. Main construction phase
3. Removal of temporary fencing

1. Temporary Tree Protective Fencing Erection

1. Following completion of the tree felling and prior to commencement of any site demolition, construction, preparation, excavation or material deliveries the main contractor shall erect the temporary protective fencing as detailed in the 'Tree Protection Specification' and in the location indicated on the Tree Protection Plan.

2. Tree Solutions are to be given 5 days written notice as soon as all protective fencing has been erected in order to inspect the specification and location. An inspection report will be completed and returned to the LPA Tree Officer for approval. Any damage occurring to protective fencing during the demolition or construction phase shall be made good by the main contractor

2. Main Construction Phase

1. There shall be no storage of construction material, site parking, site accommodation or equipment in any area designated as the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing
2. No materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or discharged within 10 metres of the trunk of a tree that is to be retained. No fires will be lit.
3. The site agent shall supervise deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees are not at risk of damage.

Avoiding Damage to Stems and Branches

4. Care shall be taken when planning site operations in proximity to trees to ensure that wide or tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious injury resulting in safe retention impossible.

On Site Storage of Spoil and Building Materials

6. Prior to and during all site construction works no spoil will be stored within the crown spread on any tree on or adjacent to the site even if proposed site work is to be within the crown spread. Any encroachment within this protected area will only be with the prior agreement of the LPA Arboricultural Officer.

3. Remove all Temporary Tree Protective Fencing

1. Tree protection fencing can only be removed with the written permission of the Local Planning Authority.

TREE PROTECTION SPECIFICATION

The Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) enclosed by temporary protective fencing shall:

1. Be erected prior to any demolition works, delivery of site accommodation or materials and shall remain for the duration of construction works.
2. Preclude all construction activity with the sole exception of specified arboricultural works and as 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.
4. Preclude the storage or tipping of all materials and substances, in addition, toxic substances such as fuels, oils, additives, cement, or other deleterious substances within 5.0 meters of an exclusion zone.
5. Clearly legible weatherproof signage, stating "Protected Trees – Exclusion Zone" shall be attached to the fencing 1.5m from the ground, facing out of the Tree Protection Zone located at regular intervals along the fence line.
6. Other than works detailed within this method statement or approved in writing by the Local Planning Authority (LPA), no works including storage or dumping of materials shall take place within the exclusion zones defined by the protective fencing.
7. Any incursion into the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) must be by prior arrangement, following consultation with the LPA

Temporary Protective Fencing Type

The fence types are shown on the Tree Protection Plan with the following colour key:-

1. **Magenta** - 2.0M high heavy duty rhino panels (with extra central support bar) mounted on scaffold poles (driven in to the ground) and secured with anti tamper bolts – as illustrated below.



Example of Tree Protective Fencing Specification

ARBORICULTURAL SITE SUPERVISION

- 1 The erection of all tree protection measures outlined in this AMS and as indicated on the Tree Protection Plan will be inspected by Tree Solutions immediately after erection. Photographic evidence of the location and specification of all protective fencing will be forwarded to the LPA Tree Officer upon completion.

Useful Contacts

Arboricultural Consultant

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LPA Arboricultural Officer

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Appendix One
Tree Survey Schedule

BS 5837: 2005 TREE SURVEY SCHEDULE

SITE:	KITCHEN EXTENSION, PENDINE PARK, SUMMERHILL, WREXHAM
CLIENT:	MR M KREFT
BRIEF:	TREE SURVEY FOR ARBORICULTURAL METHOD STATEMENT

SURVEYOR:	A. HENDERSON
ASSESSMENT DATE:	19/09/2011
VIEWING CONDITIONS:	CLEAR
JOB REFERENCE:	11/AIA/WXM/70

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Ref T - Tree G - Group H- Hedge	Species	Age	Height (m)	Crown Spread (m)	D.B.H (mm)	Vitality	Comments	Management	BS 5837 Retention Category	BS5837 RPA Radius (m)
T1	Beech	EM	8 C- 0.5	N: 5 S: 5 E: 5 W: 5	410	M	- Partial failure to the root plate with ground heave evident to east – appears to have self corrected - Canopy will abut proposed extension so should be pruned to clear - Could be considered for removal and replaced with better quality tree in the interests of continued tree cover on the site if LPA approval granted - E.R.C 10	• N/A	C1	5 76m ²
T2	Himalayan Birch	Y	3 C- 1	N: 0.5 S: 0.5 E: 0.5 W: 0.5	90	G	- Newly planted tree - E.R.C 10+	• N/A	C1	1 4m ²
T3	Ash	EM	7 C- 0.5	N: 3 S: 3 E: 3 W: 3	250	M	- Co-dominant stems from 1m – good union - E.R.C 10	• N/A	C1	3 28m ²

HEADINGS & ABBREVIATIONS

TREE NO.
AGE RANGE:
DBH:
CROWN SPREAD:
VITALITY:
BS 5837 RETENTION CATEGORY:
BS 5837 RPA RADIUS:
E.R.C.

REFERENCE NUMBER. REFER TO PLAN OR NUMBERED TAGS WHERE APPLICABLE
 Y = YOUNG, SM = SEMI MATURE, EM = EARLY MATURE, M = MATURE, FM = FULLY MATURE, PM = POST MATURE
 STEM DIAMETER – MEASURED AT 1.5 METRES
 MEASURED DIAMETER OF CROWN AT 4 CARDINAL COMPASS POINTS
 A MEASURE OF PHYSIOLOGICAL CONDITION. D = DEAD, MD = MORIBUND, P = POOR, M = MODERATE, G = GOOD
 RETENTION VALUE BASED ON TABLE 1 BS 5837 (2005)
 RADIUS FROM STEM TO THE LINE OF THE TREE PROTECTION AS SET OUT IN TABLE 2 OF THE STANDARD
 ESTIMATED REMAINING CONTRIBUTION (YEARS)

BS 5837: 2005 TREE SURVEY SCHEDULE

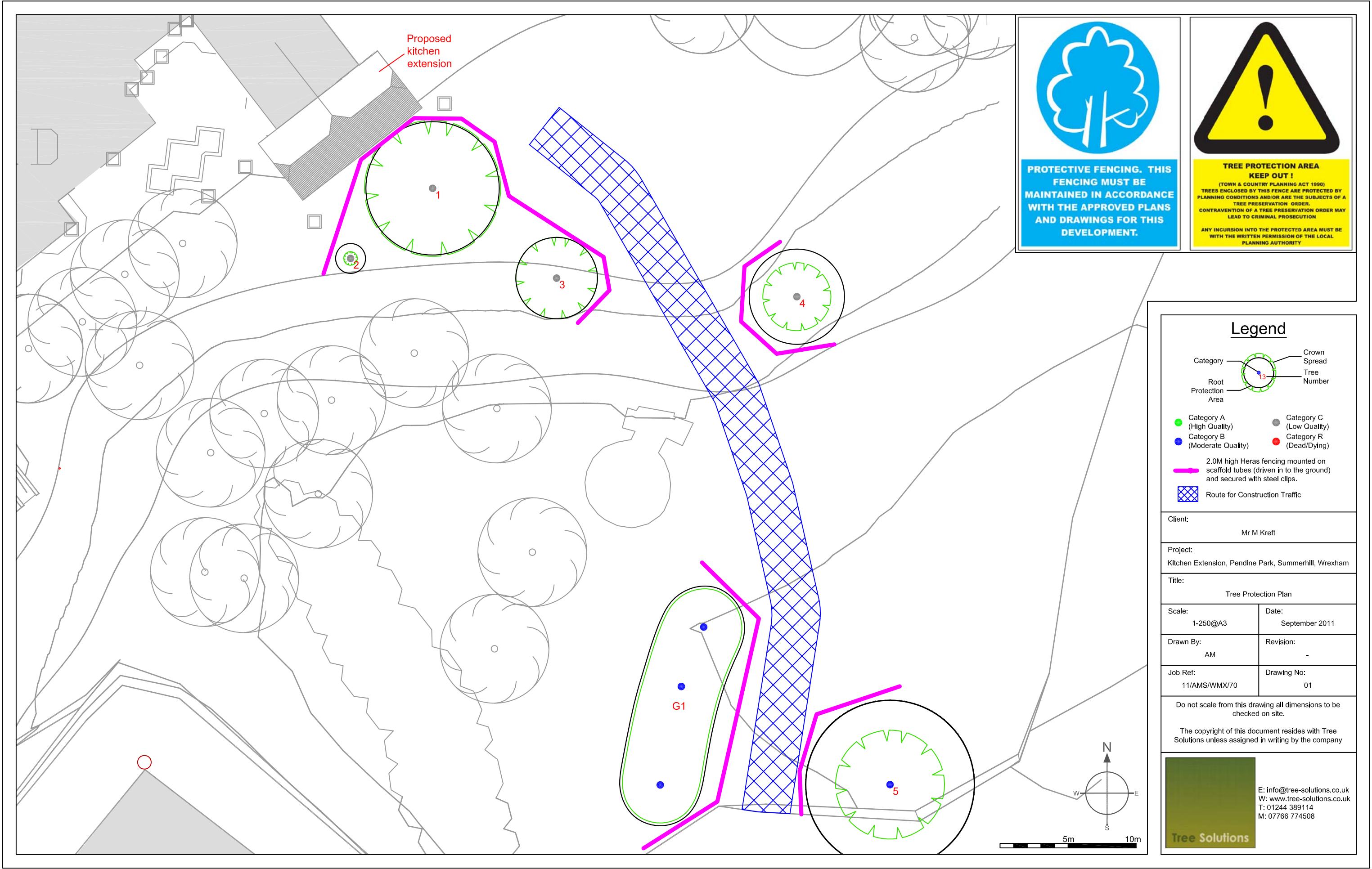
SITE:	KITCHEN EXTENSION, PENDINE PARK, SUMMERHILL, WREXHAM
CLIENT:	MR M KREFT
BRIEF:	TREE SURVEY FOR ARBORICULTURAL METHOD STATEMENT

SURVEYOR:	A. HENDERSON
ASSESSMENT DATE:	19/09/2011
VIEWING CONDITIONS:	CLEAR
JOB REFERENCE:	11/AIA/WXM/70

PAGE: 2 OF 2

Ref T - Tree G - Group H- Hedge	Species	Age	Height (m)	Crown Spread (m)	D.B.H (mm)	Vitality	Comments	Management	BS 5837 Retention Category	BS5837 RPA Radius (m)
T4	Lime	EM	7 C- 0.5	N: 2.5 S: 2.5 E: 2.5 W:2.5	290	M	2 stems at 0.5m centres forming one closed canopy - E.R.C 10	• N/A	C1	3.5 38m²
T5	Birch	FM	13 C- 1	N: 4 S: 4 E: 4 W:4	520	M	- Individual tree with raised buttress and recent ground disturbance at base - Past limb failure in crown - E.R.C 10-20	• N/A	B1	6 122m²
G1	Birch	M	13 C- 0.5	N: 3 S: 3 E: 3 W: 3	≤250	M	- Linear group of multi-stemmed trees with no significant defects - E.R.C 10	• N/A	B2	3 28m²

Appendix Two
Tree Protection Plan





PROTECTIVE FENCING. THIS FENCING MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND DRAWINGS FOR THIS DEVELOPMENT.



**TREE PROTECTION AREA
KEEP OUT !**

(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS 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

Legend

Category

Root Protection Area

Crown Spread

Tree Number

● Category A (High Quality)

● Category B (Moderate Quality)

● Category C (Low Quality)

● Category R (Dead/Dying)

2.0M high Heras fencing mounted on scaffold tubes (driven in to the ground) and secured with steel clips.

Route for Construction Traffic

Client:	
Mr M Kreft	
Project:	
Kitchen Extension, Pendine Park, Summerhill, Wrexham	
Title:	
Tree Protection Plan	
Scale:	Date:
1-250@A3	September 2011
Drawn By:	Revision:
AM	-
Job Ref:	Drawing No:
11/AMS/WMX/70	01

Do not scale from this drawing all dimensions to be checked on site.

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