

Arboricultural Assessment Report

Summary Report on Trees

For:	Client:	Oriel Services Limited
	Insurer:	
Site:	Policyholder:	
	Risk Address:	107 Chetwynd Road, London, NW5 1DA
Refs:	OCA Ref:	48488
	Client Ref:	4171770
	Insurer Ref:	

Survey By:	John Hall		
Title:	Senior Consulting Arborist	Date:	06 October 2011
Report By:	John Hall		
Title:	Senior Consulting Arborist	Date:	11 October 2011



Consulting Arboriculturists

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1.0 Introduction & brief

- 1.1** OCA UK Limited has been instructed by Oriel Services Limited on behalf of the building insurers of 107 Chetwynd Road, London, NW5 1DA (the Insured Property). We have been advised by Oriel Services Limited that the Property has suffered differential movement and damage which is considered to have been caused by trees growing adjacent the property influencing soils beneath its foundations.
- 1.2** We have been instructed to undertake a survey of the vegetation growing adjacent the Insured Property, to provide our opinion as to whether, based on the available information any of this vegetation is likely to be influencing soil moisture levels beneath the foundations of the property and if so to provide recommendations as to what tree management could be implemented to effectively prevent damage continuing.
- 1.3** The vegetation growing adjacent the risk address has been surveyed from the ground using digital measuring devices and/or standard tape measures. All distances are measured to the nearest point of the risk address unless otherwise stated.

2.0 Limitations

- 2.1** Recommendations with respect to tree management are associated with the risk address as stated on the front cover of this report and following consultation with investigating engineers. The survey of trees and any other vegetation is associated with impacts on the risk address subject of this report. Matters of tree health, structural condition and/or of the safety of vegetation under third party control are specifically excluded. Third party land owners are strongly advised to seek their own professional advice as it relates to the health and stability of trees under their control.

In relation to the possibility of heave damage, the owners of any trees within third party control must obtain their own advice in respect of the possibility of any damage to their own or any other structures outside of the control of the insurers of the risk address subject of this report from any soil heave.

- 2.2** Recommendations do not take account of any necessary permission (statutory or otherwise) that must be obtained before proceeding with any tree works.

3.0 Vegetation and subsidence of low rise buildings – property owner's guide

3.1 Soils, soil water and vegetation

All vegetation requires water to live and this water is substantially accessed from the soil within which the plants roots grow.

If the soil is classified as a clay soil then it will hold very much more water than sands, gravels and loam soils. During the summer as plants abstract water from the clay soil then the soil volume will “shrink” and “swell” as water is first removed and then added by summer rainfall.

In years in which rainfall during the summer is less than the total amount of water taken from the soil by plants then shrinkage will continue. This shrinkage may remove support from building foundations leading to cracking in the fabric of the building.

3.2 Vegetation management

The control of trees, shrubs and climbers by removal and/or pruning is a proven technique that controls total soil water loss thereby minimising soil shrinkage and allowing repairs to proceed.

If vegetation management works are carried out promptly then repairs can usually proceed very quickly and the duration and distress associated with the disruption that tree related subsidence brings can be minimised.

3.3 Third party liaison and statutory controls

Tree roots do not respect physical or property boundaries and can travel for many metres beyond the above ground “dripline” of the canopy of the vegetation.

The purpose of this report is to ascertain on a preliminary basis which vegetation is the most likely substantial and/or effective contributory cause of the damage witnessed to allow for liaison with third parties or with local administrative Councils as necessary.

You can learn more about tree related subsidence of low rise buildings by visiting:

www.oca-arb.co.uk/whatIsSubsidence.htm

4.0 Conclusions and Recommendations

4.1 Results of the field survey

We can confirm that vegetation exists on or near the Insured Property that is considered to be causing or contributing to the current subsidence damage.

4.2 Preliminary recommendations

On the basis of our preliminary findings we have considered a practical vegetation management specification. This specification will assist in reducing the impact of the adjacent vegetation on soil moisture levels thereby potentially stabilising foundations of the affected area of the building.

4.3 Recommended vegetation management to address the current subsidence:

Tree No:	Species	Works Required
T1	Pear	Fell to ground level as close as practicable and treat the stump with an appropriate herbicide.

4.4 Recommended vegetation management to address risk of future subsidence:

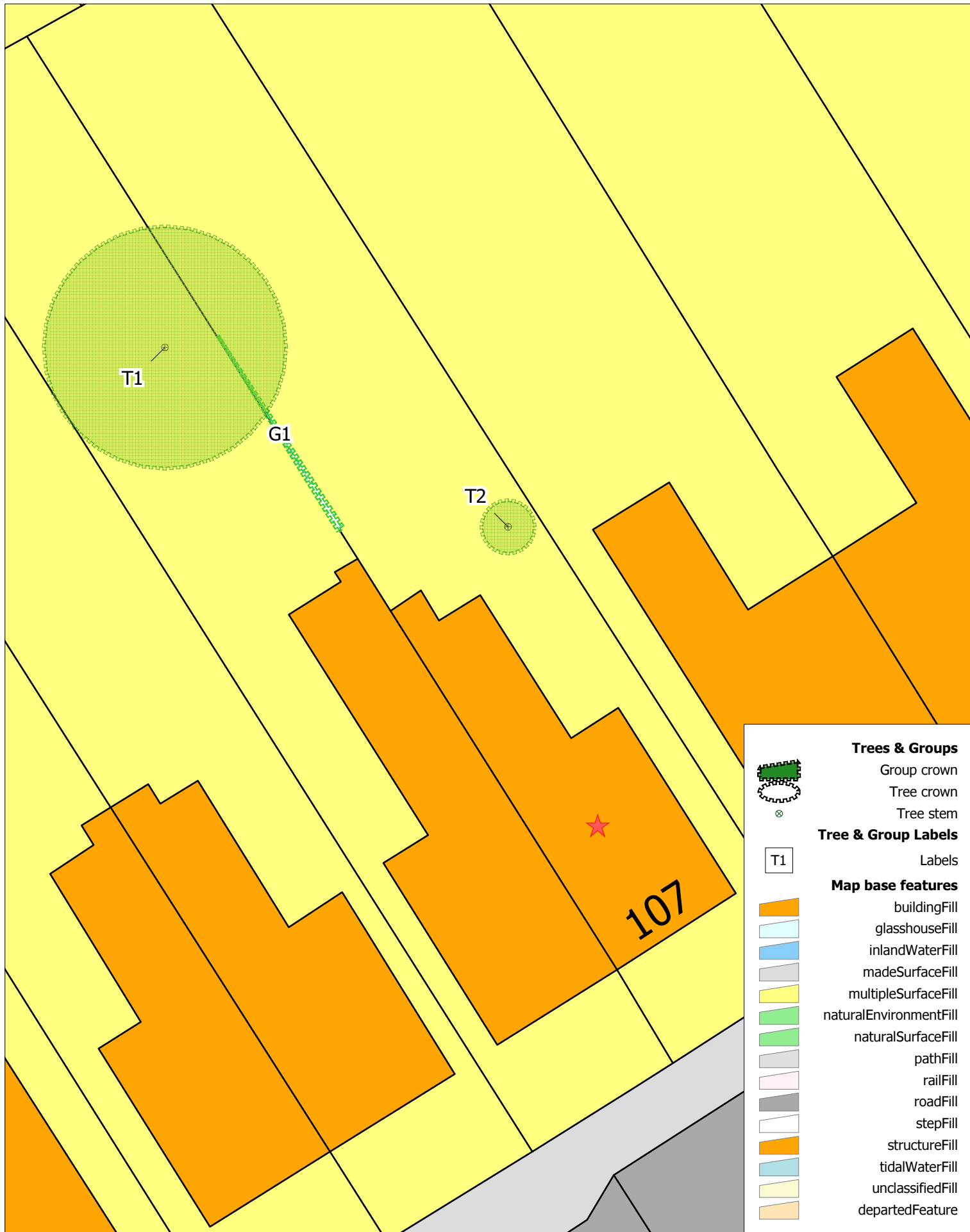
Tree No:	Species	Works Required
T2	Eucalyptus	Fell to ground level as close as practicable and treat the stump with an appropriate herbicide

Age Class	YO – Young. SM – Semi-Mature. EM – Early Mature. MA – Mature. FM – Fully Mature. OM – Over Mature	Ownership	PH – Within boundary of risk address. P3P – Within boundary of third party properties. LA – Within land owned by a Local Authority. C3P – Commercial third party. U – Within land of indeterminable ownership.
Condition	G – Good. F – Fair. P – Poor. D – Dead, Dying or Dangerous		
Stem Diameter	MS – Multi-stemmed tree		



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Tree No	Common Name	Age Class	Condition	Height (m)	Crown Spread (m)	Stem diam. (mm)	Dist to bldg (m)	Pruning history	Recommendation	Tree work constraints	Notes	Owner
T1	Pear	EM	G	12	10	400	11.5	No significant past tree works	Fell and treat stump.	Restricted access	All dimensions estimated. Appears to be situated at "105 Chetwynd Road"	P3P
T2	Eucalyptus	YO	P	2.6	2.2	100	2.4	Reduced 1 year ago	Fell and treat stump.	N/A	N/A	PH
G1	Rose	MA	G	2	0.7	40	2.5	Pruned regularly	No work required.	N/A	N/A	PH



Location: 107 CHETWYND ROAD, LONDON, NW5 1DA
 Job Ref.: 48488
 Survey Date: 06/10/2011
 Scale: 1:200 @ A4

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