

Liam McGough Tree Services
Specific Method Statement for 6 Downside crescent, NW3 2AP

Prepared for: Thomas Enraght - Moony

	Name	Position	Signed	Date
Liam McGough Tree Services	Liam McGough	Operations Manager		To be confirmed
Client	Thomas Enraght - Moony	Client		To be confirmed

This document has been written to serve two primary purposes:

- To give clear instruction as to the methods to be adopted and the expectations of the company in respect of its employees, associates and sub-contractors
- To give clients sufficient information as to the intended methods of operations to be adopted on the worksite and to foster confidence that the operators of Liam McGough Tree Services shall be working in line with current industrial best practice

All personnel involved with the above described operation shall be briefed upon the following documents:

- The contract specification for work, health, safety, environment and quality requirements
- This method statement
- The generic risk assessment for the operation which shall include machine, task and generic site considerations
- The specific risk assessment for the operation which shall include machine, task and site considerations
- The manufacturer's handbook for any plant or machinery to be used
- Relevant HSE guidance where available
- COSHH assessments where applicable
- Industrial standards and guidance where applicable

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Industry Guidance:

This method statement must be read alongside the HSE publications listed below:

Reference	Title
BS3998	Recommendations for Tree Work 2010
AIS30	(HSE Agricultural Information Sheet no.30) 'LOLER – how the regulations apply to arboriculture'
AIS27	PUWER 98 – how the regulations apply to agriculture and forestry
AIS38	Power-fed mobile wood chippers – operator safety at infeed chutes

FISA 202	Application of Pesticides Using Hand Held Equipment
FISA 203	Clearing Saw
FISA 204	Flails and Mulchers in Tree Work
FISA 301	Using Petrol Driven Chainsaws
FISA 302	Basic Chainsaw Felling and Manual Takedown
FISA 304	Chainsaw Cross Cutting and Manual Stacking
FISA 306	Chainsaw Clearance of Windblow
FISA 307	Chainsaw Felling of Large Trees
AFAG 308	Top Handled Chainsaws
FISA 310	Use of Winches in Directional Felling and Takedown
AFAG 401	Tree Climbing Operations
AFAG 402	Aerial Tree Rescue
AFAG 403	Mobile Elevating Work Platforms (MEWPs) for Tree Work
FISA 601	Mobile Circular Saw Bench
FISA 604	Wood Chippers
AFAG 606	Stump Grinders
FISA 607	Firewood Processors
FISA 701	ATV Quad Bikes
FISA 702	All Terrain Vehicles
FISA 704	Excavators in Tree Work
FISA 802	Emergency Planning
FISA 804	Electricity at Work: Forestry and Arboriculture
FISA 805	Training and Certification
INDG259	(HSE Industry Guidance) An Introduction to Health and Safety
INDG214	First Aid at Work: Your Questions Answered
INDG229	Using Work Equipment Safely
INDG362	Noise at Work – Guidance for Employers on Control of Noise at Work Regulations
INDG363	Protect Your Hearing or Lose It
INDG175	Control the Risks from Hand-Arm Vibration – Guidance for Employers on Control of Vibration at Work Regulations
INDG296	Hand-Arm Vibration – Advice for Employees
INDG401	Work at Height Regulations 2005 – A Brief Guide for Employers
INDG402	Safe Use of Ladders and Step Ladders – An Employers Guide
INDG145	Watch Your Back – avoiding back strain in timber handling and chainsaw at work
INDG317	Chainsaws at Work
AA	A Guide to Good Tree Climbing Practice

All work shall be undertaken in line with the guidance contained in these publications which can be viewed on the following websites:

For current AFAG ('arb') guides see:

<http://www.hse.gov.uk/treework/resources/publications.htm>

For current FISA (chainsaw and forestry) guides see:

<http://www.ukfisa.com/safety-information/safety-library/fisa-safety-guides.html>

Site Address:

6 Downside crescent, NW3 2AP

Client Contact		Contact Number
Thomas Enraght - Moony		07468483757

Scope of Works:

Mixed tree work: removal and pruning of canopy and roots.

The Arboricultural implications with regards this development and the trees in surrounding properties are T1 Apple with a root protection area of 3m from the stem covering the diameter of the canopy. I have observed this trees RPA having high potential impact on the proposed extended area. I have calculated that the RPA significantly impacts the new proposed development. As such I recommend the removal of this tree. The table for the measurement calculation can be found in the appendix of this report. It is possible that some roots extend into this area. As such care should be taken when excavation for the extension takes place.

T2 The RPA of this tree is encroached upon by the proposed extension but not more than 15% as such, care should be taken when excavation to limit the pruning of any roots. If roots are to be pruned a qualified Arborist should be onsite to oversee this work.

T3 is very small and should be removed and replaced with a tree of the clients choosing at a more appropriate location. My suggestion would be a cherry as a fruit tree and a British native.

The RPA on all trees in and around site should be protected with fencing and ground protection for plant machinery.

Some small shrubs have been recommended to remove, however if possible, it would be good practice to relocate.

Duration / Dates / Times:

The tree works are expected to be completed in 1 day + a revisit when excavating ground near any rpa.

Access / Egress Arrangements:

Access to the site shall be via 6 Downside crescent, NW3 2AP

Equipment / Plant / Resources:

Number	Resource
2	3.5 tonne chip truck
1	750kg woodchipper
1	500kg plant trailer

All tools and personal protective equipment in use by our staff shall be regularly inspected by the contract manager or team leader and during site and supervisory visits.

Personnel and Contact Details:

Name	Job Role	Contact Number
Liam McGough	Contract Manager	07738004625
Alex Sinnott	Team Leader	07814395618
Garth Griffiths	Climber / Chainsaw Operator	07508874892
Claud Aduculesei	Plant Operator / Chainsaw Operator	0778715526
Danny English	Groundsman	07730888217

The contract shall be run from the company head office:

Liam McGough
Liam McGough Tree services
15a Bedford Rd, London, N22 7AU

Training:

All personnel undertaking operations on behalf of Liam McGough Tree Services shall be trained to standards of industrial best practice and subsequently assessed to the competence standards laid down by the NPTC, Lantra and CITB or other relevant awarding body where available.

All employees shall be supervised to ensure that correct methods of working are used during site operations and regular Site Safety Audits shall be undertaken to monitor the use of these systems.

Health and Safety:

The hazards that may arise as a result of this operation were identified during the site planning process.

- By operational experts
- By HSQE specialists
- Following a detailed task analysis
- As a result of previous experience
- As a result of feedback from previous clients

Significant hazards:

- Hard stand and grassed area
- Work related upper limb disorder and other vibration / ergonomic disorders due to excessive use of chainsaws and blower.
- Use of plant and equipment including wood chipper
- Laceration and cutting high risk working with chainsaws
- Working at height including rigging of timber
- Contact with diesel and petrol that may be hazardous to health
- Working in a shared garden and parking area

Generic risk assessments shall specify the standard operational procedures to be adopted on site.

Specific risk assessments shall fully detail the control measures to be adopted on site.

Welfare Arrangements:

Arrangements have been made for staff to use the toilet and wash facilities as follows:

Toilet and washing facilities are available in the downstairs

Toilet and washing facilities are available

Site Security:

The worksite shall be defined and protected using **signs, cones, barrier tape, sentries or security fencing.**

Visitors to any site shall be met and accompanied by a representative from Liam McGough Tree Services who will brief them on the risk assessment and any site rules prior to be allowed entry onto the worksite.

Visitors shall be expected to wear PPE appropriate to the assessed risk prior to entering the work site?

The Team Leader shall hold an information file containing the following documents:

- Contract / worksite specific information
- Applicable Company policies and procedures for reference
- Applicable Client information, policies and procedures for reference
- Environmental hazard location, mapping and information
- A copy of the HSQE plan of the client if available
- Method statements appropriate to their scope of activity
- Risk assessments appropriate to their scope of activity
- COSHH assessments for any substance present on the worksite
- A selection of the forms and templates that may be required
- A list of contact numbers for key staff and roles on the contract

Waste Management:

Liam McGough Tree Services holds a Waste Carriers Licence and appropriate exemptions under the Environmental Permitting Regulations (T6 and S2).

Wherever possible arising waste material shall be converted and taken to a farm to be kept at a depot with purpose built holding bays and utilised as a renewable energy source.

Alternatively wood chip may be put back onto the land as a mulch where it will benefit to the local Eco-system.

Mature timber may be stacked for use by the owner or occupier of the land as a source of fuel or as a habitat.

Biosecurity:

Liam McGough Tree Services are committed to planning and managing our business activities to ensure the risk of the introduction and spread of pests and diseases is kept to a minimum.

As a minimum we shall undertake routine biosecurity control measures for all operations and work sites and include Biosecurity Risk Assessment processes with the works planning and managing phases.

For sites identified as higher risk, specific biosecurity control measures shall be put in place.

Emergency Planning:

Potential problems in getting to a casualty shall be anticipated, (for example, tree climbing and the need for aerial tree rescue or the release of a casualty that has become trapped below a tree or heavy equipment).

Hazardous overhead or underground services at the worksite shall be identified prior to work being undertaken and a permit to dig received if appropriate.

Evacuation measures shall be examined as part of the site specific risk assessment.

Royal free hospital

NW3 2QG

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First Aid:

Personal first-aid kits shall be carried by all staff whilst at work. The kit shall contain at least:

- a large wound dressing
- a pair of plastic gloves
- a Resuscitator (or similar device)
- a whistle

This requirement shall be in addition to the team first-aid kit which shall be kept at a central location.

All staff shall be qualified in emergency first aid.

Fire Safety:

Operators shall not smoke on site.

All operational vehicles shall be equipped with a dry powder fire extinguisher.

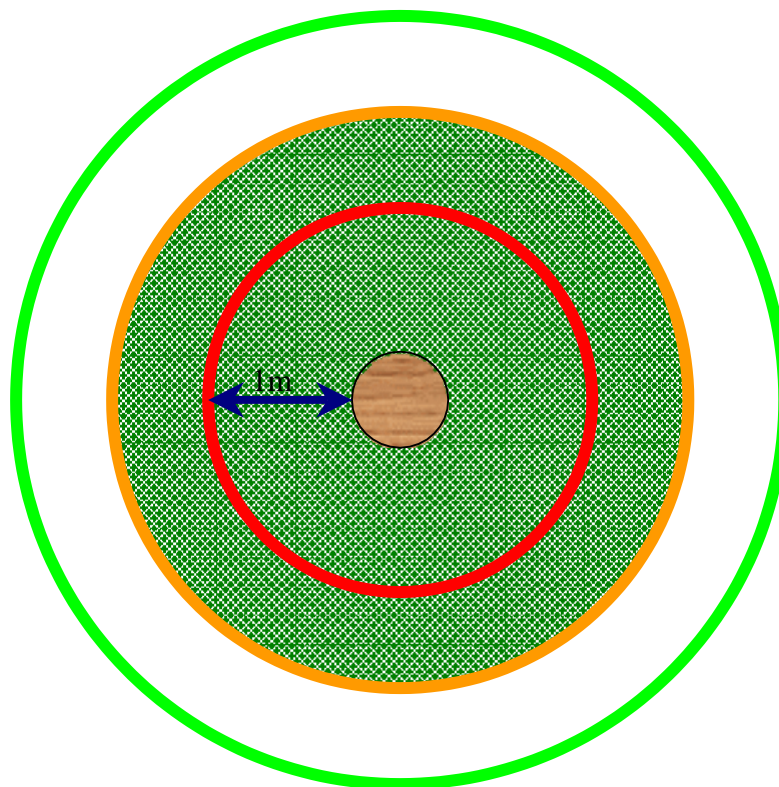
Spillage Control:

All operational vehicles shall carry a spill kit.

Refuelling shall be undertaken away from the immediate work area and shall be done on an absorbent mat or plastic sheet/tray.

Fuel containers shall be fitted with anti spill spouts and shall be stored in a bunded container.

Tree protection:

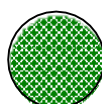


TREE PROTECTION ZONE

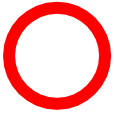
Key to Diagram



Trunk of Tree



Spread of canopy or branches



PROHIBITED ZONE – 1m from trunk. Excavations of any kind must not be undertaken within this zone unless full consultation with Local Authority Tree Officer is undertaken. Materials, plant and spoil must not be stored within this zone.



PRECAUTIONARY ZONE – 4 x tree circumference. Where excavations must be undertaken within this zone the use of mechanical excavation plant should be prohibited. Precautions should be undertaken to protect any exposed roots. Materials, plant and spoil should not be stored within this zone. Consult with Local Authority Tree Officer if in any doubt.



PERMITTED ZONE – outside of precautionary zone. Excavation works may be undertaken within this zone however caution must be applied and the use of mechanical plant limited. Any exposed roots should be protected.

DAMAGE TO TREES

Tree roots keep a tree healthy and upright. Most roots are found in the top 600mm of soil and often grow out further than the tree's height. The majority of these roots are very fine; even close to a tree few will be thicker than a pencil. Most street tree roots grow under the footway but may also extend under the carriageway. If roots are damaged the tree may suffer irreversible harm and eventually die.

PROTECTING ROOTS - DO'S and DON'TS

There are three designated zones around a tree each of which has its own criteria for working practices.

THE PROHIBITED ZONE

Don't excavate within this zone.

Don't use any form of mechanical plant within this zone

Don't store materials, plant or equipment within this zone.

Don't move plant or vehicles within this zone.

Don't lean materials against, or chain plant to, the trunk.

Do contact the local authority tree officer or owner of the tree if excavation within this zone is unavoidable.

Do protect any exposed roots uncovered within this zone with dry sacking.

Do backfill with a suitable inert granular and top soil material mix as soon as possible on completion of works.

Do notify the local authority tree officer or the tree's owner of any damage.

THE PRECAUTIONAR Y ZONE

Don't excavate with machinery. Where excavation is unavoidable within this zone excavate only by hand or use trenchless techniques.

Don't cut roots over 25mm in diameter, unless advice has been sought from the local authority tree officer.

Don't repeatedly move / use heavy mechanical plant except on hard standing.

Don't store spoil or building material, including chemicals and fuels, within this zone.

Do prune roots which have to be removed using a sharp tool (e.g. secateurs or handsaw). Make a clean cut and leave as small a wound as possible.

Do backfill the trench with an inert granular material and top soil mix. Compact the backfill with care around the retained roots. On non highway sites backfill only with

excavated soil.

Do protect any exposed roots with dry sacking ensuring this is removed before backfilling.

Do notify the local authority tree officer or the tree's owner of any damage.

THE PERMITTED ZONE

Don't cut roots over 25mm in diameter, unless advice has been sought from the local authority tree officer.

Do use caution if it is absolutely necessary to operate mechanical plant within this zone.

Do prune roots which have to be removed using a sharp tool (e.g. secateurs or handsaw). Make a clean cut and leave as small a wound as possible.

Do protect any exposed roots with dry sacking ensuring this is removed before backfilling.

Do notify the local authority tree officer or the tree's owner of any damage.

Ground Protection:

The position of the barrier may be shown within the RPA at the edge of the agreed working zone but the soil structure beyond the barrier to the edge of the RPA should be protected with ground protection.

For pedestrian movements within the RPA the installation of ground protection in the form of a single thickness of scaffold boards on top of a compressible layer laid onto a geotextile, or supported by scaffold,

For wheeled or tracked construction traffic movements within the RPA the ground protection should be designed by an engineer to accommodate the likely loading and may involve the use of proprietary systems or reinforced concrete slabs

