

Goroots Ltd

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Date 15 June 2020

*Hydroseeding
Terravent Decompaction
Air Spade Investigations
Soil Decompaction
Tree Root Inoculation
Arboricultural Moling
Sand Blasting and Surface Preparation*

MWArchitects
The Tea Factory
110 Endwell Road
London
SE4 2LX

For the attention of Luke Nagle Architectural Assistant.

Air Spade Method Statement and Risk Assessment

Air Spade Works Prince Arthur Road,

Prepared by David Dowding

Goroots Ltd

15th June 2020.

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Method Statement

This is Goroots Statement of how we propose to carry out the proposed Decompaction works at Prince Arthur Road, London NW3 the works are within RPA of a Protected tree.

The statement is based on an exchange of emails..

Site Situation

The site is within New Development.

Our works consist of decompaction to the surface soil using the Airspade technique.

Access for equipment

We will require access for our plant which consists of a small van and site style compressor.

Preparatory work

We would need a drawing or been shown on site the area that needs this work. For this the surface vegetation will have to be removed.

Operational Restraints

There are no obvious restraints to our work except that we would need unrestricted access to that part of the site in which the excavations are to take place except that some form of additional barrier should be erected for the grassed area to contain the dust

Weather

These operations are not affected by any weather restraints.

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Onsite Presence

Plant

Air Spade Apparatus with hoses

140 cfm site diesel powered compressor.

Labour

Fully trained operator with CSCS qualification.

PPE Equipment

Boots, High Vis Jacket, Hard Hat, Gloves, Eye protection, & Ear Defenders
breathing mask.

Permits to work,

Permits to dig may be required as site conditions require

There is no hot working,

Client Safety briefings

Attend any client controlled site inductions/ safety meetings so that we are aware of all safety matters that may affect our works.

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Air Spade Method

Prior to any work being carried out.

1. Visit area of operation to assess the scope of work
2. Identify any potential services and make plans to either avoid them or work round the hazard. eg Underground cables or services.

Air Spade operation

1. Pre-works

1. Identify areas to be excavated.

2. Air Spade

1. Check condition of air lines and connectors.
2. Connect airlines and Air Spade to compressor including any safety hose attachments
3. Start Compressor and open delivery valve check for any leaks
4. Start excavation using the Compressed air gently removing the soil as loosened taking care not to damage any exposed roots.
5. Move across the site from side to side loosening the top 100-150mm
6. Carry on in parallel lines until the whole site is completed taking care not to walk on the finished areas.
7. At completion turn off compressor.

End of day

There are no special precautions needed to clean pack away at the end of the day.

This method statement was prepared on 15th June 2020 and in any case will be reviewed every 6 months.

David Dowding.

15th June 2020

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Risk Assessment

This is our assessment of the risks to ourselves as well as others who may be affected during our works

Generally, there are very few identifiable risks associated with Air Spading.

The major risk is flying debris. We would mitigate this by controlling the air volume and pressure using both the valves on the compressor and the Air Spade Device

PPE

During the Air Spade process the operator should wear PPE always as follows:-

1. Safety Hat with ear defenders
2. Visor fitted to Safety Hat and Safety Glasses
3. Boots with non-slip soles and toe protection
4. High Visibility Coat
5. Suitable Gloves
6. Breathing mask

Storage of Materials

There are no stored materials associated with this operation

Operation of the Air Spade

Risk	Level to operator	Level to others	Mitigation for operator	Mitigation for others
Noise	medium	low	Ear protection for operator.	Keep spectators to a safe distance
Flying objects	Medium	low	Correct PPE	Safe distance

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The Air Spade is safe in its operation and there is no need for any special precautions, apart from keeping the area of operation clear of all unauthorised people.

Non-operational staff and members of the public should be kept away from the area of working and the site generally where ever possible.

General risks**COSHH**

No materials are used that need a COSHH assessment

Manual Handling

No part of the operation involves lifting any weight greater than 22.5 KG should it be needed to lift any greater weight then alternative methods should be employed.

Fuels and Lubricants

All fuels for use in the Compressor are stored within the equipment's own fuel tank. There is no intention to carry out any refuelling on site,

All Lubricants are stored in sealed containers there is no intention to carry out any lubricating on site.

Should we have to carry out any adjustments to the equipment on site then the engines are to be turned off , the keys removed and the plant removed off site or to a designated refuelling area.

This Risk Assessment is continuously reviewed and in any case renewed every 6 months.

Prepared by

David Dowding

15th June 2020.

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