

Ground Anchor Installation Method Statement

Project	Soane's Museum Lighting Support				
Reference	J5261-S-TN-0001				
Scope	Temporary ground anchors for lighting tower support				
Date	08.06.2023	Job number	J5261	Author	D.Cole

Webb Yates Engineers have been appointed by The Sir John Soane's Museum to design temporary lighting towers as part of an installation for an exhibition. Proposals for the temporary plywood lighting towers include the installation of small ground anchors to support the base of the structure.

In order to support a non-material amendment (NMA) to the original planning application (Ref: 2022/2772/P) for the lighting towers, a method statement for the installation of the temporary ground anchors has been produced. This document outlines the proposed method statement, taking into consideration the proximity of nearby trees.

I. **Method Statement**

I.1. **Proximity of trees**

As shown on drawings submitted as part of the NMA (SJS-02-B-R1), both lighting towers are approximately 6.8m and 10.7m away from the nearest tree respectively.

I.2. **Securing of root protection areas**

No vehicular access, and only light pedestrian access, is required for installation of the lighting towers. In addition, the scale of the proposed works is small and relatively far from the nearest trees. Based on this, no fencing or additional securing of root protection areas is considered to be necessary.

I.3. **Site storage**

The materials required for construction are minimal, lightweight and construction will be completed using hand tools only. There will be no construction materials stored within the root protection areas of the trees to minimise the compaction of roots of the trees. No oils, fuels or chemicals will be used or stored in the vicinity of the site.

I.4. **Levels**

There will be no alteration to soil levels on the site.

I.5. **Services**

No proposed services are planned to be installed within root protection areas as part of the works.

I.6. Installation sequence

The proposed installation sequence of the lighting towers and ground anchors is as follows:

1. Materials for lighting towers to be delivered to site, weight approx. 40kg per tower.
2. Position of ground anchors to be marked on site prior to installation. Anchors to be positioned to avoid clashes with any visible surface roots (if present).
3. Areas around position of ground anchors to be sub-surface scanned for below ground services.
4. Ground anchors to be installed into the ground to a depth of 540mm in accordance with manufacturers recommendations.
5. Plywood lighting towers to be assembled on the ground.
6. Lighting towers to be lifted on to ground anchors.
7. Lighting towers to remain in place for during of exhibition, approximately 3 months.
8. At the end of the installation, plywood towers to be removed from anchors.
9. Ground anchors to be unscrewed from ground.
10. Grass around anchors to be made good following removal.