

# Arboricultural Impact Assessment and Arboricultural Method Statement.

## GNG Foam Convertors – Pennine Industrial Estate – Todmorden Road – OL15 9EG

**Report Brief;** MMA Tree Consultancy have been commissioned to produce a BS 5837 Tree Survey, Arboricultural Impact Assessment (AIA) and Arboricultural Method Statement (AMS) in relation to a planning application at GNG Foam Convertors, Pennine Industrial Estate, Todmorden Road, OL15 9EG

### **1 Trees to be removed**

**1.0** Groups G1, G2, G3, G4, G5 and Trees T1, T2 and T3 will be removed to facilitate this project.

### **2 Trees to be retained**

**2.0** Trees 4,5,6,7,8,9,10,11 will be retained and protected throughout the project.

### **3 Pruning**

**3.1** No trees require pruning for this project.

**3.2** Where trees require pruning all tree works will be carried out in accordance with British Standard 3998 (2010) Tree Works recommendations.

### **4 Protective fencing**

**4.1** Protective fencing will be erected as outlined in BS 5837 2012 (figure 2 or 3) as per the Tree Constraints' Plan (TCP) All trees within the BS5837 protective zone will remain protected for the duration of the construction phase.

**4.2** The theoretical root protection (RPA) area is calculated as a circle 12 x the diameter of the tree.

**4.4** Limited and specialised construction will take place within the RPA's of trees T4-11. See section 9 and appendix 4.

**4.5** Construction methods and practises will be strictly monitored to ensure no damage is caused to tree roots within the RPA.

### **5 Temporary Ground Protection**

**5.1** There will be no requirement for temporary ground protection on this project.

### **6 Site Supervision**

**6.1** MMA Tree Consultancy will undertake an initial tool-box talk with project manager prior to commencement of the project.

**6.2** MMA Tree Consultancy to check and sign off protective fencing once installed.

**6.3** MMA tree consultancy will make several unannounced calls to the site during the development phase to ensure all tree protection measures are being adhered to and all specialist construction techniques (if required) are being employed as intended.

**6.4** MMA tree Consultancy will visit the site upon completion and specify any tree work or ground amelioration that is required following the development phase.

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## 7 Services

7.1 All services and drainage runs will fall outside of the RPA's of trees that are to be retained.

## 8 Storage of materials/site cabins etc

8.1 RPA's are to remain sacrosanct throughout the development phase and there will be no storage of any building materials, chemicals, fuel, or anything else in the RPA.

8.2 All facilities such as chemical toilets, offices, and mess facilities will be situated outside of the RPA.

8.3 Strictly no plant or machinery to enter RPA's – not even to pass through – a single passing of heavy plant can cause irreparable damage to tree roots.

8.4 No fires on any part of the site.

## 9 Specialist construction techniques

9.1 There is a railing detail boundary marker to run along the front of the site which falls approximately 1-2m (depending on the tree and its RPA) within the root protection areas of trees T4-11.

9.2 The railing will be installed by hand – hand digging to ensure no machinery encroaches within the RPA.

9.3 The railings will have posts at 2m centres that will be hand dug and the holes lined to prevent contamination from the concrete support.

9.4 Care will be taken to avoid roots, where this is not possible roots will be cut cleanly with a sharp tool.

9.5 Also within the RPA's of trees T4-11 is approximately 1-2m (depending on the tree and its RPA) of hardstanding which will form car parking spaces.

9.6 Construction within the RPA's will be no dig cellular confinement with a no dig pin kerb. See guidance note appendix 4.

## 10 Prohibited activities.

10.1 Cutting down, uprooting, damaging or otherwise destroying any retained tree.

10.2 Lighting fires anywhere on the site.

10.3 Equipment, signage, fencing, tree protection barriers, materials, components, vehicles or structures shall not be attached to or supported by a retained tree.

10.4 Mixing cement, chemical toilets, and other use or storage of anything that would be harmful to trees shall not take place within or close to a Root Protection Area. The distance away from the RPA must be sufficient, and the slope of the site must be such that contamination of soil within the RPA would not occur if there were spillage, seepage, or displacement.

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**10.5** No plant or equipment or vehicle with a hydraulic arm such as a mini digger shall be operated within striking distance of the stem and branches or the RPA of any retained tree unless otherwise specified in this report.

**10.6** No alterations or variations shall be made to the approved tree protection measures without the written approval from the LPA.

### 11 Chronology of processes

- AIA and AMS submitted to LPA for approval.
- AIA and AMS approved.
- Pre-commencement meeting with MMA Tree Consultancy, Architects, Appointed site supervisor.
- Trees to be removed are removed and trees to be pruned are pruned.
- Temporary ground protection installed (if required)
- Protective fencing installed.
- Protective fencing and ground protection are checked and approved.
- Demolition/Development phase commences
- Unannounced site checks are undertaken
- Development phase ends
- Final site check

### 12 Appendices

- 1) Tree Survey
- 2) Tree Constraints' Plan
- 3) Protective fencing detail
- 4) AA guidance note on Cellular confinement systems.

Signed



MMA Tree Consultancy