

ARBORICULTURAL METHOD STATEMENT

From commencement of the development, the following methodology shall be implemented in the manner and sequence described below

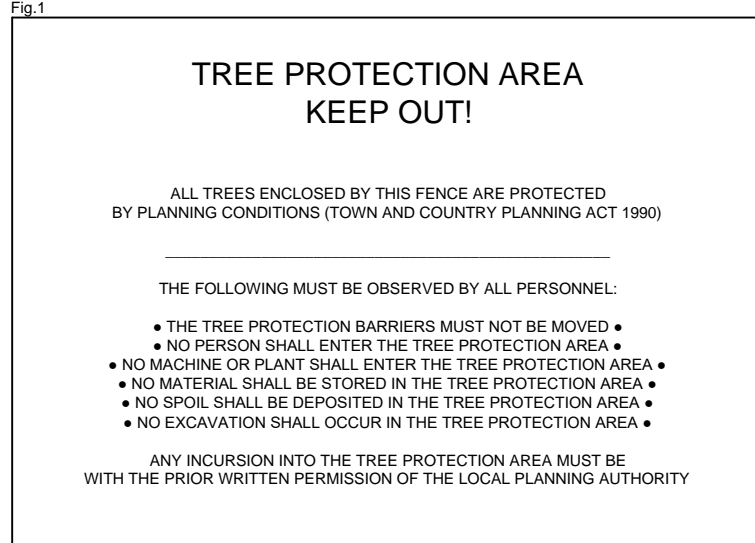
SEQUENCE OF WORKS

1. Pre-commencement site meeting
 2. Tree and hedge removal and pruning
 3. Erection of tree protection barriers
 4. Construction of engineer-designed hard surfacing
 5. Main construction phase
 6. Removal of temporary tree protection barriers
 7. Landscaping works
- 1. PRE-COMMENCEMENT SITE MEETING**
To outline working methods in relation to trees, a site meeting of the following shall take place prior to commencement of any demolition or construction activity:
- Client
 - Structural engineer
 - Site agent
 - Project arboriculturist
- Before the site meeting, existing incoming services and drainage shall be accurately located both on site and on a copy of this drawing
- 2. TREE AND HEDGE REMOVAL AND PRUNING**
- a. All tree and hedge removal and pruning work shall be implemented in accordance with Tree Survey Schedule CW/10495-SS and this drawing
 - b. All reasonable care shall be taken to avoid damage to retained trees, shrubs and hedges
 - c. All tree removal and pruning works shall be carried out in compliance with British Standard 3998: 2010 Tree work - Recommendations
- 3. ERECTION OF TREE PROTECTION BARRIERS**
- a. The main contractor shall erect 'tree protection barriers' as detailed on this drawing. To the north, east and west boundaries, the proposed security fencing, if installed prior to any other works or delivery of plant and materials, will act as a permanent tree protection barrier and the temporary barriers in these areas need not be installed
 - b. The project arboriculturist shall inspect installation of the 'tree protection barriers' prior to commencement of any construction works, site preparation, excavation or delivery of plant and materials
- 4. CONSTRUCTION OF ENGINEER-DESIGNED HARD SURFACING**
- a. At the proposed site access, a small area of new hard surfacing identified by blue cross-hatching on this drawing shall be constructed to an engineer-designed specification to minimise the depth of excavation within the root protection area of the retained tree TS. The specification shall be agreed with the Local Planning Authority prior to installation
- 5. MAIN CONSTRUCTION PHASE**
- a. There shall be no storage of construction equipment, plant or materials within any area designated as a 'tree protection area' or otherwise protected on this drawing
 - b. No trees shall be left within 20m of any retained tree or hedge
 - c. The site agent shall supervise all deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees and hedges are not at undue risk of damage
 - d. There shall be no excavation within 500mm of a 'tree protection barrier'
 - e. Save for the Directional Drilling for cables between the main site and the sub-station to the south, there shall be no new excavation for the installation, renewal or repair of underground services within any area designated as a 'tree protection area' or otherwise protected on this drawing
 - f. The integrity of the tree protection barriers and 'temporary ground protection' shall be maintained for the duration of the main construction phase
 - g. Any damage occurring to 'tree protection barriers' or 'temporary ground protection' during the main construction phase shall be reported to the project arboriculturist and immediately made good by the main contractor
 - h. Site drainage and washings from concrete and mortar mixings shall be directed away from all tree protection areas
 - i. The project arboriculturist shall visit the site monthly to assess the integrity of the tree protection
 - j. The project arboriculturist shall complete a report to be sent to the site owner and main contractor following each visit. In this regard, the site owner will instruct the project arboriculturist prior to any works commencing on site
- 6. REMOVAL OF TEMPORARY TREE PROTECTION BARRIERS**
'Tree protection barriers' shall be removed only on completion of construction works and in compliance with all relevant planning conditions
- 7. LANDSCAPING WORKS**
- a. Landscaping works shall be implemented in accordance with a scheme approved by the Local Planning Authority
 - b. In areas of recently uncultivated ground, there shall be no rotovation of ground within any area designated as a 'tree protection area' or otherwise protected on this drawing
 - c. Sandy topsoil may be spread within the 'tree protection areas' to a depth of not more than 150mm to facilitate the establishment of new vegetation. No other addition of soil or other material shall be carried out within any area designated as a 'tree protection area' or otherwise protected on this drawing without prior consultation with the Local Planning Authority
 - d. No hand landscaping works or excavation for cables or any other service shall be carried out within the 'tree protection area' without the prior written consent of the LPA. All such excavations shall be carried out in accordance with the guidance set out in National Joint Utilities Group Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees (Volume 4 2007)

TREE PROTECTION SPECIFICATION

- Tree Protection Areas shall:**
1. Be secured prior to commencement of any construction works, delivery of site accommodation or materials and shall remain intact for the duration of the construction works
 2. Preclude all construction activity with the exception of specified arboricultural works and such works as have been agreed by all parties and to be carried out under supervision
 3. Be protected by 'tree protection barriers' and other measures as specified on this drawing
 4. Preclude the storage or tipping of all materials and substances. Toxic substances such as fuels, oils, adhesives and cement shall not be stored within 5m of any area designated as a 'tree protection area' or otherwise protected on this drawing
 5. Any incursion into 'tree protection areas' must be by prior arrangement, following consultation with the Local Planning Authority
- Type 1 Tree Protection Barriers (RED)**
1. The tree protection barriers shall comprise 2m high weldmesh 'Heras' type fencing
 2. The fencing panels shall butt together and be fixed with 3 no. clamps to each joint
 3. Each fence panel shall be supported by a 45° strut of scaffold tube, from the top rail of the panel back into the 'tree protection area'
 4. The base of the fence panels shall be supported in a concrete or rubber base (as supplied with the fence panels). The base shall be pinned to the ground by a 700mm length of scaffold tube, driven not less than 450mm into the ground. A 200mm length of scaffold tube shall be fixed to form a 'T' to the top of the vertical tube, preventing the base being moved
 5. No fixing shall be made to any tree and all reasonable care shall be taken to avoid damage to tree roots when locating scaffold tubes
 6. An A3 warning sign reading as per figure 1 shall be fixed to every 10m of 'tree protection barrier'
 7. The project arboriculturist shall direct erection of the 'tree protection barriers'
- Type 2 Tree Protection Barriers (PURPLE)**
1. The tree protection barriers shall comprise 1.2m high, cleft chestnut pale fencing
 2. The fencing shall be supported on 75 - 100mm diameter softwood posts at 2m centres, driven 600mm into the ground
 3. No fixing shall be made to any tree and all reasonable care shall be taken to avoid damage to tree roots when locating posts
 4. An A3 warning sign reading as per figure 1 shall be fixed to every 30m of 'tree protection barrier'
 5. The project arboriculturist shall inspect the installation of the 'tree protection barriers'

TREE PROTECTION PLAN



TREE PROTECTION PLAN

CHESHIRE WOODLANDS

9 LOWE STREET
MACCLESFIELD
CHESHIRE
SK11 7NJ

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W. www.cheshire-woodlands.co.uk

CLIENT: Novus Renewable Services Ltd

PROJECT: Proposed Solar Farm
Cefn Road, Wrexham
LL13 0PA

JOB REF: CW10495-TR-TP

DATE: 25 August 2021

SCALE: 1:1000

- INDIVIDUAL TREE TO BE RETAINED
- GROUP OF TREES TO BE RETAINED
- HEDGE TO BE RETAINED
- TREE GROUP, AREA, SHRUBS OR HEDGE TO BE REMOVED
- STEM POSITION APPROXIMATED
- BS 5837 RETENTION VALUE
- BS5837 ROOT PROTECTION AREA RADIUS
- BS5837 SHADOW PATTERN
- APPLICATION PROPOSAL
- PROPOSED LANDSCAPING
- BS5837 CATEGORY 'A' TREES
- BS5837 CATEGORY 'B' TREES
- BS5837 CATEGORY 'C' TREES
- BS5837 CATEGORY 'U' TREES
- PROPOSED ENGINEER-DESIGNED HARD SURFACE (BS5837)
- TREE PROTECTION AREA
- TYPE 1 TREE PROTECTION BARRIER (BS5837)
- TYPE 2 TREE PROTECTION BARRIER (BS5837)