

ARBORICULTURAL METHOD STATEMENT **BRIARY CLOSE, WREXHAM**

Planning Ref: P/2019/0659
Our Ref: 20/AMS/WXM/104

27/01/2020

SEQUENCE OF OPERATIONS

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

1. Erect temporary tree protective fencing
2. Main site engineering & construction phase
3. Install no dig footpath section
4. Removal of temporary fencing
5. Landscaping within RPA of trees
6. Arboricultural site supervision

1. Erect Temporary Tree Protective Fencing

1. Prior to commencement of any construction, preparation, excavation or material deliveries the main contractor shall erect the temporary protective fencing as detailed in the 'Tree Protection Specification' and in the location indicated on the Tree Protection Plan.
2. Tree Solutions are to be given 5 days written notice as soon as all protective fencing has been erected in order to inspect the specification and location. An inspection report will be completed and returned to the LPA Tree Officer for approval. Any damage occurring to protective fencing during the demolition or construction phase shall be made good by the main contractor

2. Main/Construction Phase

1. Tree protective fencing to be erected prior to any construction plant or materials entering the site
2. Tree protective barriers in accordance with BS 5837: 2012 will be erected to prevent damage to the tree stems and any movement of plant with the RPA
3. There shall be no storage of construction material, site parking, site accommodation or equipment in any area designated as the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing
4. No materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or discharged within 10 metres of the trunk of a tree that is to be retained. No fires will be lit
5. The site agent shall supervise deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees are not at risk of damage

Cement Mixing

- The cement mixer will be laid on top of plywood boards in a position outside the RPA of any trees. The mixer will be kept in this position throughout all development work.

Avoiding Damage to Stems and Branches

- Care shall be taken when planning site operations in proximity to trees to ensure that wide or tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious injury resulting in safe retention impossible

On Site Storage of Spoil and Building Materials

- Prior to and during all site construction works no spoil will be stored and no cement mixing will take place within the Root Protection Area of any tree on or adjacent to the site even if proposed site work is to be within the crown spread. Any encroachment within this protected area will only be with the prior agreement of the LPA Arboricultural Officer

3. Installation of 'No-Dig' Footpath

1. Upon completion of all development work and removal of associated plant and material from site, the proposed new pedestrian footpath within the RPA of tree number 3 & 4 and as indicated with a blue cross hatch on the tree protection plan shall be constructed using a no-dig three dimensional cellular confinement system in accordance with the engineers and manufacturers recommendations see drawing at **Appendix 6**.
2. Construction shall ideally be undertaken in dry weather when ground is driest and least prone to compaction
3. Ground vegetation should be killed using a translocated herbicide such as glyphosate. To prevent severe oxygen depletion in the soil during the process of decomposition, all dead organic material shall be removed
4. All major protrusions such as rocks and demolition material shall be removed minimizing ground disturbance. All hollows will be filled with sharp sand
5. Permeable matting will then be laid, and the cellular confinement system laid on top and pegged in place
6. The cellular confinement system will then be installed in accordance with the manufacturer's guidelines using **no-fines** aggregate. Fill the cells working from the area furthest from the tree first. Further filling should be carried out using the filled Cellweb/Infraweb as a platform
7. Edging will be constructed with tandalised boards attached to pegs driven into the ground. Pegs should be long enough to give adequate support during construction
8. Install a permeable wearing course, e.g. resin bonded gravel placed on the aggregate.
9. **Under no circumstances is limestone aggregate to be used**



P1 & P2 – Example of completed no-dig footpath to be laid



4. Remove all Temporary Tree Protective Fencing

1. Tree Protective fencing will only be removed upon completion of all construction work and once all machinery associated with the works has left site
2. The tree protection fencing shall not be removed until written confirmation has been received from the Local Planning Authority that it is acceptable to do so.

5. Landscaping within RPA of Trees

1. There shall be **no rotovating** of ground within any area designated as a Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing.
2. No hard landscaping works or excavation for cables or any other service should be installed within the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) without the written consent of the LPA.

6. ARBORICULTURAL SITE SUPERVISION

- 1 The erection of all tree protection measures outlined in this AMS and as indicated on the Tree Protection Plan will be inspected by the contract Arboricultural Consultant immediately after erection. Photographic evidence of the location and specification of all protective fencing will be forwarded to the LPA Tree Officer upon completion.

Useful Contacts

Arboricultural Consultant

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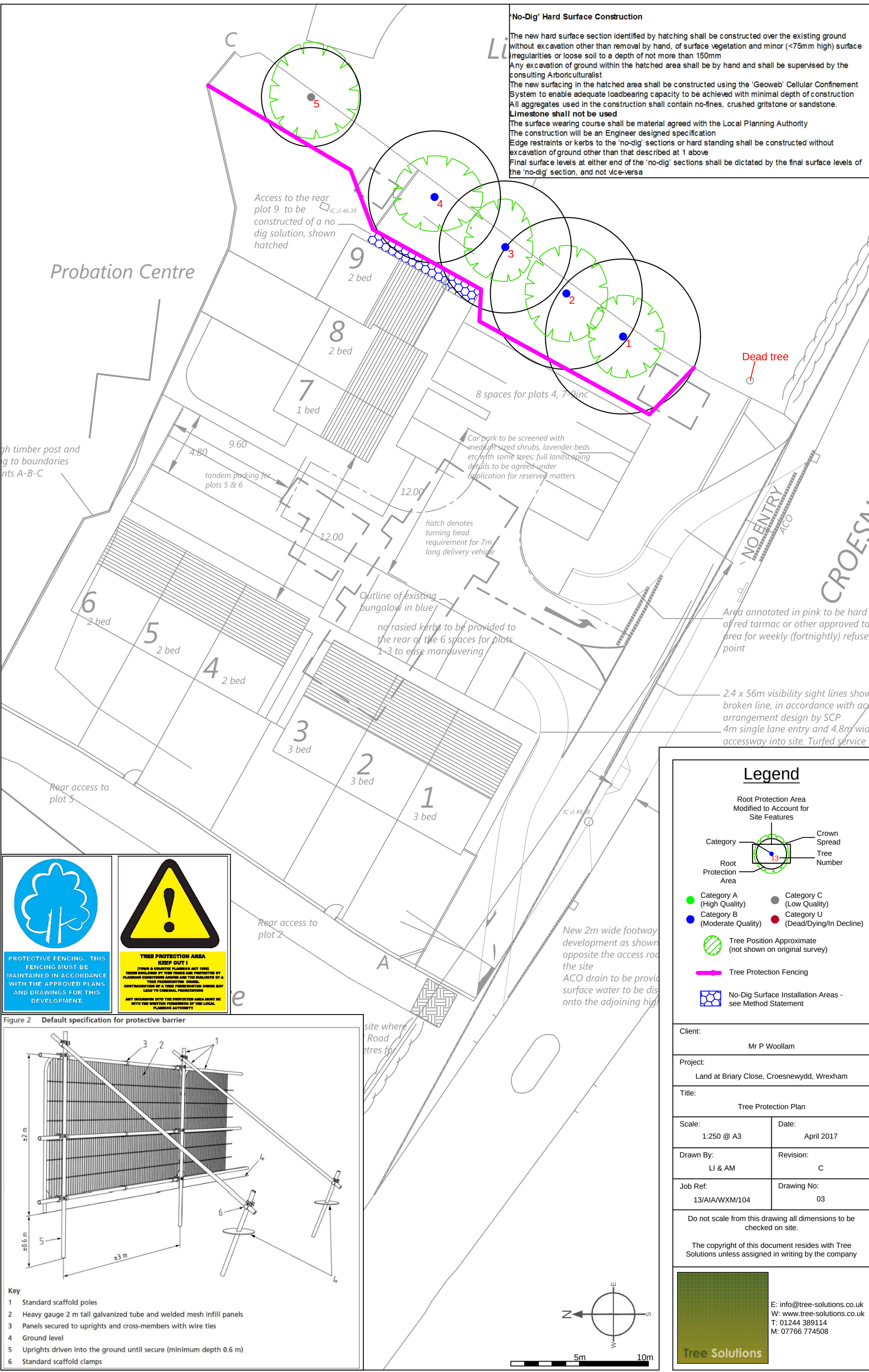
Protective Fencing Detail

All tree protective fencing has been installed on site and inspected by Tree Solutions on 24/04/2017. We can confirm that it complies with BS5837: 2012 and has been erected in the correct location as detailed within the Tree Protection Plan. Photographs below were taken on site.



Appendix One

Tree Protection Plan

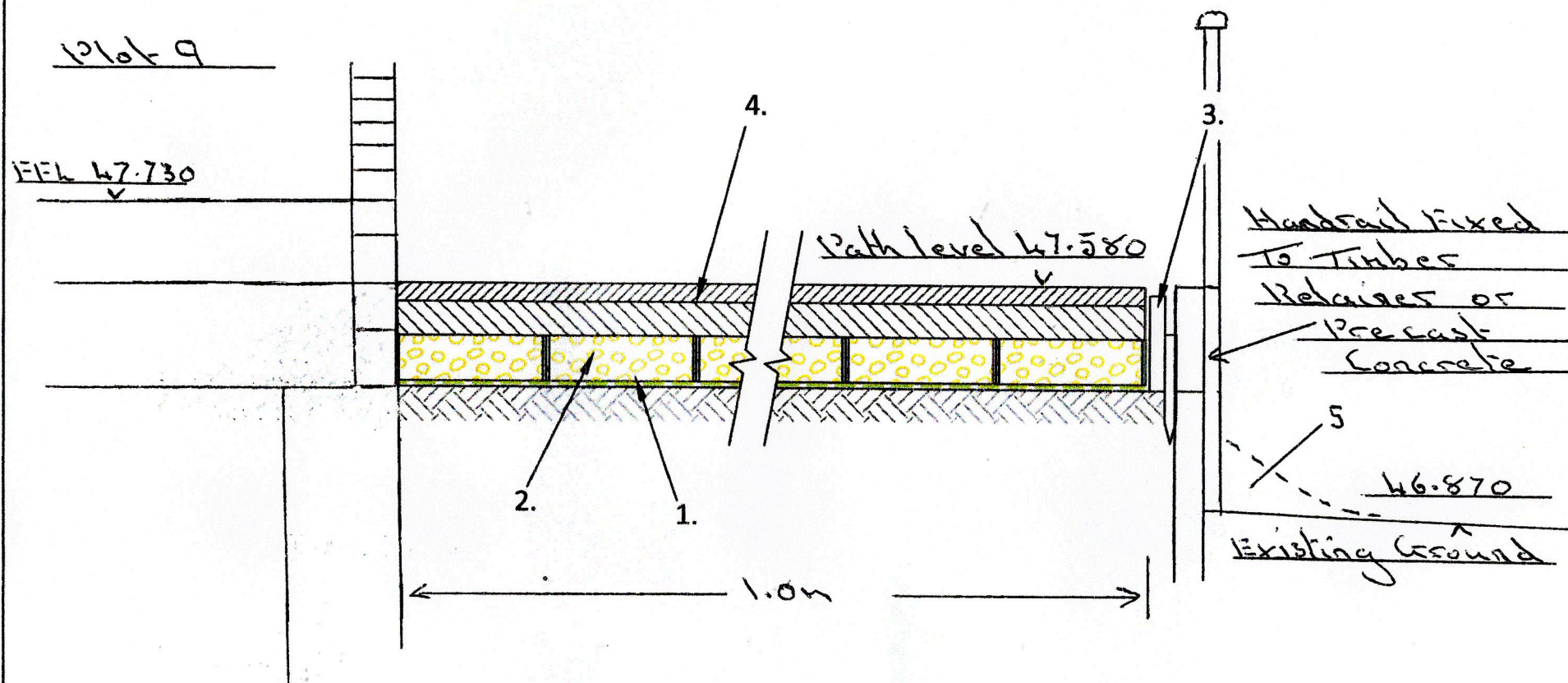


Appendix Two

Proposed No-Dig Footpath Cross Section

KEY

1. Permatex 300 geotextile
2. 75mm deep InfraWeb tree root protection System infilled with 4/20 Clean angular Stone to BS EN 13242 / EN 12620
3. Treated timber edging (Or other Edging detail acceptable)
4. Pervious asphalt surface to engineers details
5. Soil graded to edging (if required)



TITLE

InfraWeb Section - Tree Root Protection
c/w Pervious Asphalt Surface

DRAWN BY PP	SCALE 1:10	DATE 01/14	CHECKED BY RP
DRAWING NO IG-SD-IW-PA-75	REVISION	APPROVED	