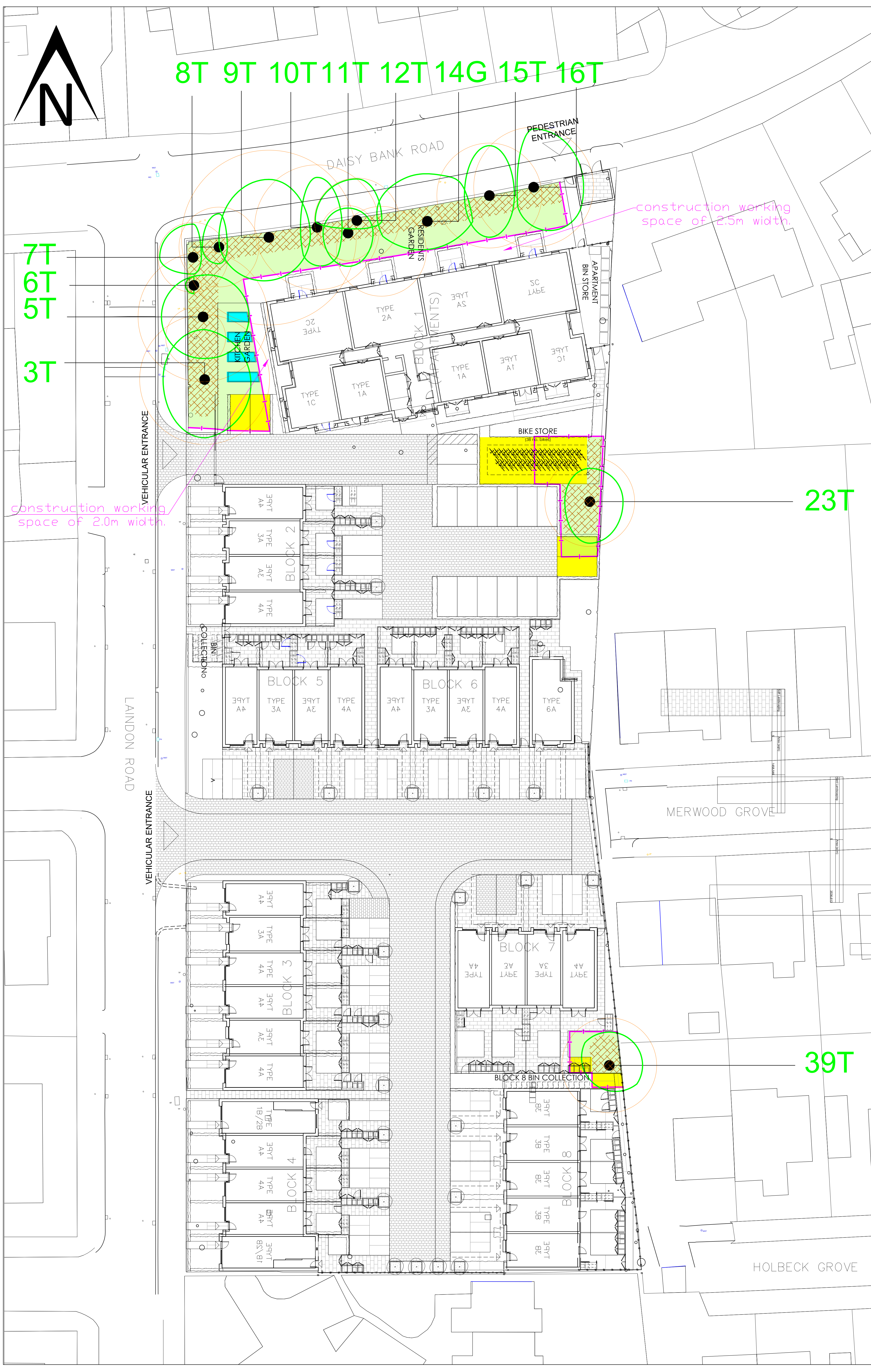
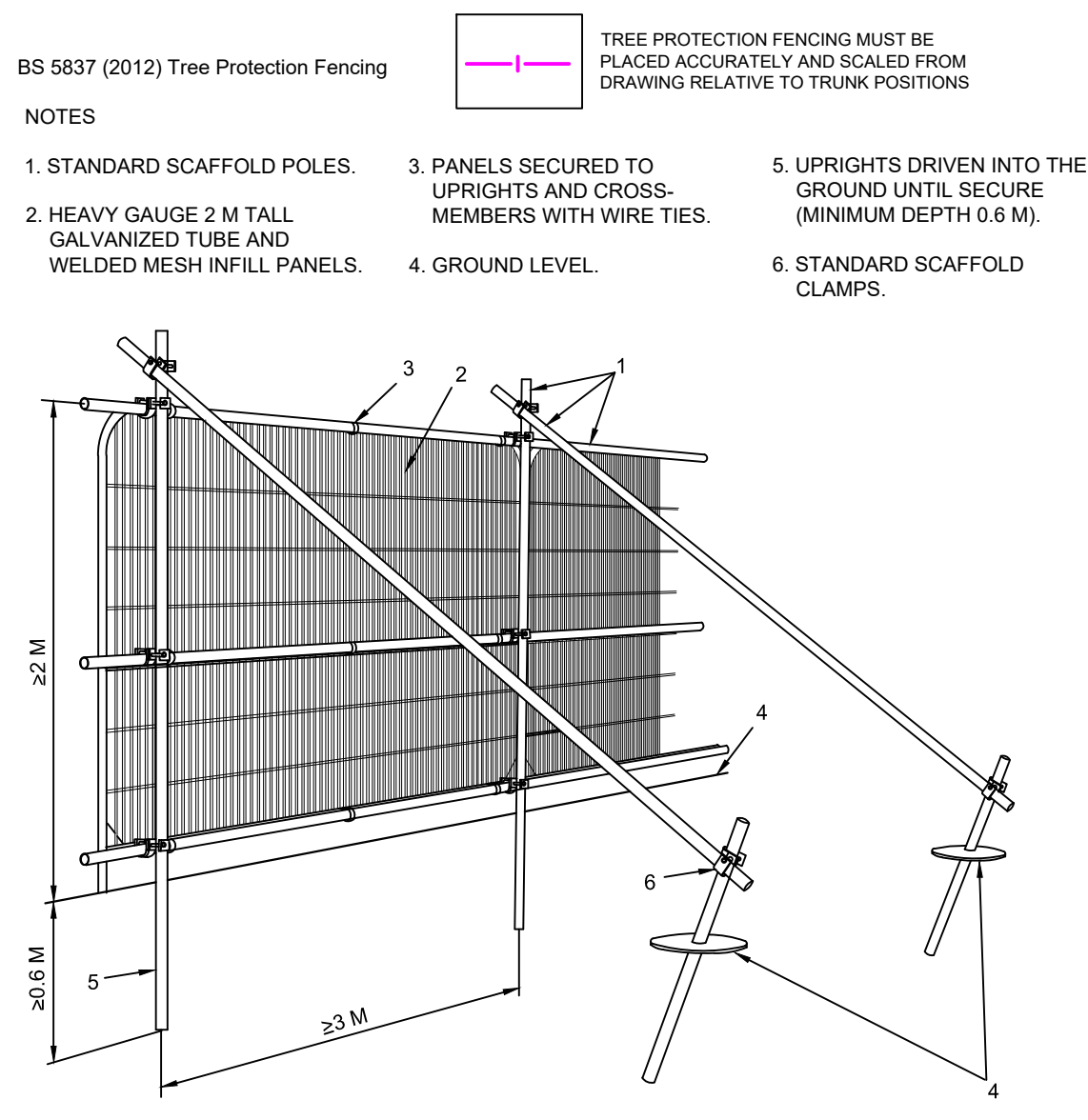




TREE PROTECTION PLAN. SHEET 2 OF 2 (CONSTRUCTION PHASE)  
This plan shows construction exclusion zones, location of areas for installation of cellular confinement systems, location of raised garden beds and location of root zone amelioration.



| Phase | Requirements                                                        | Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6     | Installation of three dimensional cellular confinement system.      | Installation of non-dig hard surfaces:<br><br>A three dimensional cellular confinement system is to be utilised (Cellweb).<br><br>Guidance for the installation of the Cellweb is attached within <b>Appendix D</b> . Cross section details are to be provided (in conjunction with engineer and Cellweb recommendations). Technical specifications required, as well as cross section details relevant to the site can be provided by Cellweb suppliers, Geosynthetic (01455 617139). Email Sales@geosyn.co.uk.<br><br>Tree barrier protective fencing is to be moved only <b>immediately prior</b> to the installation of the Cellweb.<br><br>The installation is to be carried out <b>under Arboricultural Supervision</b> . The ground layer in which Cellweb is to be installed is to be subject only to removal of exiting turf layer.<br><br>Adjoining levels <b>must</b> marry with the required depth of the Cellweb, not vice versa.<br><br>Once Cellweb is installed the protective fencing is to be relocated immediately adjacent the intalled areas of Cellweb.     |
| 7     | Garden and perimeter fencing within RPA of retained trees           | Within the RPAs of retained trees the wooden fencing shall be installed as follows:<br><br>1. Hand tools only<br>2. Exploratory post holes to be dug. Any roots encountered less than 2.5cm diameter should be cleanly cut back.<br>3. Roots in excess of 2.5cm can only be removed once arboricultural advice has been sought.<br>4. Where roots in excess of 8cm are encountered, an alternative location for the post hole is required.<br>5. Prior to the pouring of concrete a non-permeable membrane must fully line the post hole.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8     | Removal of turf and addition of improved biochar topped with mulch. | The following steps are to be taken:<br><br>1. An area of existing turf is to be carefully removed around both of the trees to a maximum radius of 3.5m (where space allows). The turf is to be removed using hand tools/ hand operated tools only. Removed turf is to be removed from site.<br><br>2. The exposed section of soil is to be lightly spiked with a fine spoke fork. This should comprise some 5 insertions per M². The intention is not to tiller soil but improve aeration and allow some penetration of soil improver. No insertions are to be made within 1m of the tree trunk to avoid larger structural roots.<br><br>3. A soil improver is to be applied over the exposed soil are. This is to comprise an enhanced biochar powder at a rate of some 1kg per M².<br><br>4. Once biochar has been applied, the treated area is to be covered in a woodchip mulch to a thickness no less than 75mm. Care must be taken to ensure clearance of the root-collar of the trees.<br><br>5. A knee high rail fence is to be hand installed around the area of mulch. |

| Phase | Requirements                                                                                                                       | Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9     | Landscaping and Dismantling of tree barrier protective fencing & construction of kitchen Garden<br><br>Kitchen Garden raised beds: | It is essential that ground levels within the root protection areas are not altered, either by raising or lowering soil levels; even at the landscaping stage.<br><br>Landscaping operations must be undertaken in a manner that will not impact trees.<br><br>Landscaping within the root protection area of trees must be undertaken in the following manner:<br><br>1. Any existing ground flora (grass/weeds/scrub) is to be sprayed with a systemic herbicide and left to die-off.<br>2. Dead flora is to be trimmed as hard as possible with a brush cutter or similar. The bulk of the trimmed material is to be removed by raking.<br>3. A good quality organic topsoil layer may be placed down. Small depressions may be filled (and lightly compacted underfoot). Placed topsoil soil layers <b>must not exceed</b> 100mm depth.<br>4. No plant machinery operating within the root protection areas to exceed 1 tonne gross weight and must only operate from propriety ground protection boards such as DuraMatt Access Mats (see <b>Appendix C</b> ).<br>5. Turf and other planting to proceed thereafter.<br><br>Kitchen garden to comprise construction of raised beds. Mini-plant may be used if operating from ground protection boards. No alterations to ground levels, or changes to ground to occur. |

KEY

ROOT PROTECTION AREAS

TREE PROTECTION FENCING

CONSTRUCTION EXCLUSION ZONES

GEOTEXTILE CELLULAR CONFINEMENT SYSTEM (CELLWEB) FOR INSTALLATION OF PERMANENT HARD SURFACE

CONSTRUCTION OF RAISED BEDS. CONTROLLED CONSTRUCTION. MINI-PLANT MAY BE USED IF OPERATING ON GROUND PROTECTION BOARDS.

ZONES OF AMELIORATION. INCORPORATION OF IMPROVED BIO-CHAR AND MULCH COVER.

| Tree Schedule |                        |            |          |
|---------------|------------------------|------------|----------|
| Tree Number   | Species                | RPA Radius | Category |
| 3T            | Turkey oak             | 7.8m       | A2       |
| 5T            | Beech                  | 7.8m       | A2       |
| 6T            | Hawthorn               | 0.9m       | C2       |
| 7T            | Common lime            | 4.2m       | B2       |
| 8T            | Common lime            | 4.8m       | B2       |
| 9T            | Horse chestnut         | 10.5m      | B2       |
| 10T           | Sycamore               | 7.5m       | B2       |
| 11T           | Common lime            | 3.3m       | C2       |
| 12T           | Sycamore               | 5.1m       | B2       |
| 14G           | Sycamore x 3, lime x 2 |            | B2       |
| 15T           | Sycamore               | 6.3m       | B2       |
| 16T           | Sycamore               | 7.2m       | B2       |
| 23T           | Common lime            | 5.4m       | B2       |
| 39T           | Common lime            | 5.7m       | B2       |

THIS DRAWING MUST BE VIEWED IN COLOUR AND READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT AND METHOD STATEMENT

Amend to latest layout

16.12.22

MG

C

Amend to latest layout

02.11.22

WD

B

Amend to latest layout

24.10.22

NC

A

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Date

Dwn

Rev

tba

Landscape Architecture  
Arboriculture

Trevor Bridge Associates Ltd  
Ashton Old Baths  
Stanford Street West  
Ashton-under-Lyne  
Lancs OL6 7PW  
Tel: 0161-804 2099  
E-mail: info@trevorbridge.co.uk

Project

FORMER VICTORIA PROBATION CENTRE, MANCHESTER  
BRITANNIA GROUP

Title

TREE PROTECTION PLAN  
(SHEET 2 OF 2 - CONSTRUCTION PHASE)

Date

OCT22

Scale(s)

1:200  
@ A0

Dwg no

6765.05

Rev

C

Dwn

MG

Chkd