

Arboricultural Method Statement

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Manchester Maccabi Community &
Sports Club

Reference: 81-667-R2-1

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Table of Contents

1. INTRODUCTION	3
1.1. Purpose of the Report	3
1.2. Scope of Method Statement	3
1.3. Sequence of Works	4
2. CONSTRUCTION WORKS WITHIN ROOT PROTECTION AREAS (RPA)	6
2.1. Removal of existing hard surface and resurface	6
2.2. Installation Of Three-Dimensional Cellular Confinement System	6
2.3. Site Supervision - Roles and Responsibilities	7
2.4. Soft Lanscaping	7
2.5. Tree Protection Fencing	8
2.6. General Recommendations in Respect of Works:	10
APPENDIX I TREE PROTECTION PLAN	11

1. INTRODUCTION

1.1. PURPOSE OF THE REPORT

E3P has prepared a Tree Protection Scheme and Method Statement to discharge pre-commencement condition relating to approved Planning Permission. Pre-Commencement Condition:

- ✳ *Notwithstanding the submitted details, no development shall take place (including ground works, vegetation clearance) until:*
- ✳ *A detailed full Arboricultural Method Statement (AMS), in accordance with British Standards BS 5837:2012, has been submitted to and approved in writing by the Local Planning Authority. The AMS shall include:*
- ✳ *Details of the three-dimensional cellular confinement system proposed within the Root Protection Areas of the trees specified within Table 4.2 of the Arboricultural Impact Assessment and Method Statement carried out by e3p, dated March 2024, Reference: 81-667-R1-2, and,*
- ✳ *A plan showing the extent of the areas where the cellular confinement system is to be installed. The development shall be constructed in accordance with the duly approved scheme before the development is brought into use.*

1.2. SCOPE OF METHOD STATEMENT

The purpose of the method statement is to consider the potential effects of the works operations on the retained tree, and sets out how any identified adverse impacts are, as far as is practicable, to be avoided. From commencement of the development, and throughout the site works until completion, the methodology shall be implemented in the sequence and manner detailed in the Sequence of Works.

Prior to commencement of the development, all personnel who might be charged with overseeing the related works shall be provided with the contact details of the Tree Consultant.

In turn, it is the responsibility of the contractor's site manager to report any tree related issues, including deviations from the AMS, directly to the Tree Consultant, who will then visit the site and make recommendations to the site manager on how best to rectify the situation.

The Tree Consultant shall be engaged to carry out site inspections for the duration of the works to ensure compliance with the AMS.

1.3. SEQUENCE OF WORKS

	OPERATION*	TIMING	RESPONSIBLE PROFESSIONAL	ARBORICULTURAL SUPERVISION	SPECIFIC TREE PROTECTION MEASURES DURING OPERATION#
i	Carry out pre-contract site meeting between: Site Manager; Council Tree Officer; and Tree Consultant	To be completed prior to any other works, including deliveries of material, plant, etc.	Site Manager	N/A	None - however, specific methods of tree protection shall be discussed in detail, in particular the temporary protective fencing types and locations (see Operation iv), between the parties present and, if identified as necessary, a schedule of supplementary recommendations shall be agreed between the parties and subsequently prepared and distributed to said parties by the Site Manager
ii	Carry out approved tree works (i.e. pruning and removals) in accordance with written permission from Local Planning Office (LPA)	Only to commence on completion of Item i	Tree Contractor overseen by Site Manager	Tree Consultant to verbally advise Tree Contractor with regard to tree works	No vehicular or plant access within retained trees' RPAs under soft surfaces
iii	Mark up, on site, locations and extents of proposed Temporary Protective Fencing and Temporary Ground Protection	Only to commence on completion of Item ii	Site Manager on advice of Tree Consultant	Tree Consultant to verbally advise Fencing Contractor with regard to siting and construction of fencing and ground protection	No vehicular or plant access within retained trees' RPAs under soft surfaces
iv	Erect Temporary Protective Fencing to protect RPAs of specific retained trees, in locations identified on the TPP	To be erected and installed immediately on completion of Item iii	Fencing Contractor overseen by Site Manager on advice of Tree Consultant	Tree Consultant to visit site, appraise protection measures, and provide brief report to LPA Tree Officer following their erection and installation (NB: it	No vehicular or plant access within retained trees' RPAs under soft surfaces. Temporary protective fencing shall be installed in strict accordance with Temporary Protective Fencing Specification - ' (see Method Statement Specification) to be utilised depending on the existing and retained surfaces in the specific areas under consideration (NB: any proposed deviations from the Specification to be discussed with the LPA Tree Officer at Operation i, and, where necessary, agreed in writing)

	OPERATION*	TIMING	RESPONSIBLE PROFESSIONAL	ARBORICULTURAL SUPERVISION	SPECIFIC TREE PROTECTION MEASURES DURING OPERATION#
				shall be the Site Manager's responsibility to arrange the Tree Consultant's site visit)	
v	Commence main construction phase	Only to commence on completion of Item iv	Site Manager	Tree Consultant to carry out monthly site visits and provide subsequent monitoring reports to LPA Tree Officer	No vehicular or plant access within retained trees' RPAs under soft surfaces

The development works shall be carried out in strict accordance with the 'Sequence of Works' detailed in the table below.



2. CONSTRUCTION WORKS WITHIN ROOT PROTECTION AREAS (RPA)

2.1. REMOVAL OF EXISTING HARD SURFACE AND RESURFACE

The scheme will require excavations within the RPA's of trees T1, T18, T20, T21, T29 and G2 for the construction of new permanent hard surface.

Method of Hand Working - Once the surface has been cut, any sub-base level will be excavated using a high pressure air lance (an 'airspade') when ground conditions allow (which allows roots to be exposed without damaging them). No vehicular or plant access within retained trees' RPAs under soft surfaces.

Decision on Need for Root Pruning Works - The project arboriculturist will inspect any exposed roots to consider what mitigation root pruning works are needed (if any) to allow construction process with minimum risk to trees and/or safety of workers and site users.

2.2. INSTALLATION OF THREE-DIMENSIONAL CELLULAR CONFINEMENT SYSTEM

For areas without existing surfacing, carefully remove any loose material from the soil surface by hand, ensuring no excavation into existing soil levels unless approved by the supervising arboriculturist. For areas with vegetation, any necessary excavations to remove turf and surface vegetation must first be approved by the supervising arboriculturist.

All new surfacing should be set back at least 50 cm from tree trunks and buttress roots, unless otherwise agreed by the supervising arboriculturist. Level any low points on uneven surfaces using an agreed granular material such as sand or stone.

New surfacing typically requires an evenly graded sub-base layer, which can be adjusted to accommodate any high points using granular, permeable materials such as crushed stone or sharp sand.

Unlike traditional surface installations, this sub-base will not undergo compaction. Limited excavation may be necessary to achieve the desired level but, if done carefully and without cutting large tree roots, it should not cause damage.

Tree roots and grass roots generally do not occupy the same soil volume at the surface. Therefore, removing an established turf layer up to 5 cm deep is unlikely to harm trees. However, this may not be feasible in areas without grass, as tree roots may extend all the way to the soil surface. In some cases, deeper excavation might be possible depending on local conditions; any planned excavation beyond 5 cm will be assessed by the supervising arboriculturist.

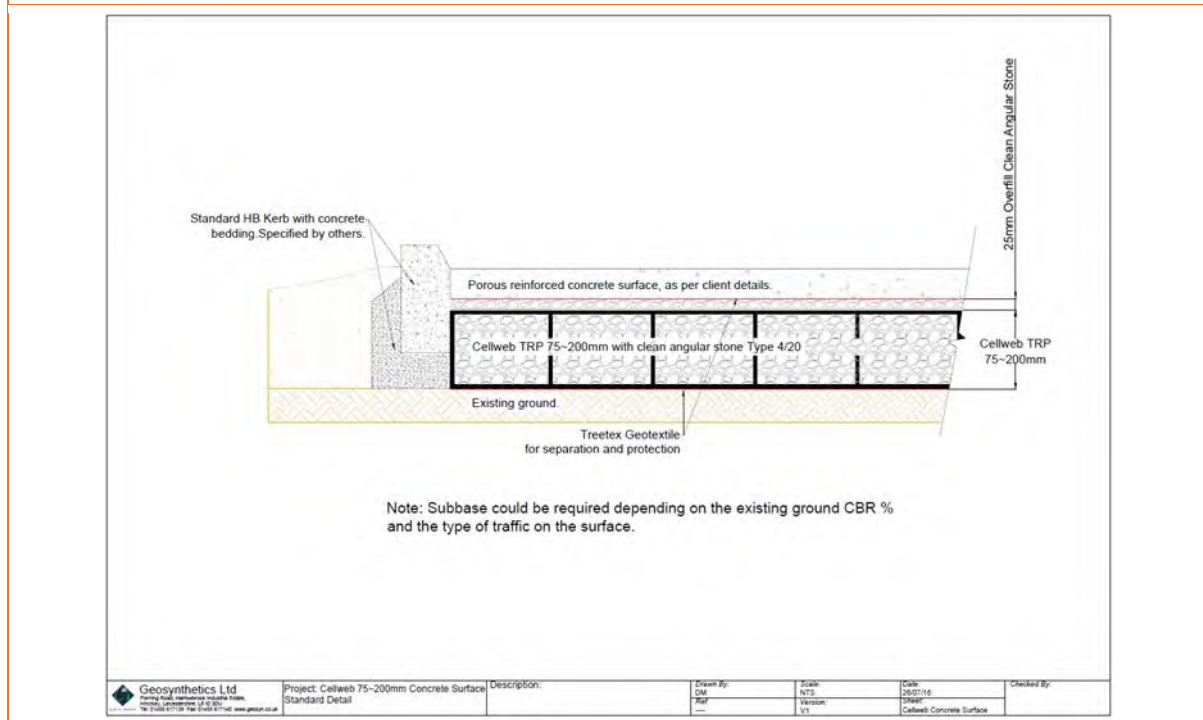
Kerb Edge Retention

Traditional kerb edge retention methods, which involve setting concrete in excavated trenches, can potentially harm tree roots and will be avoided. Instead, edge retention within Root Protection Areas (RPAs) will be designed to minimize significant excavation into existing soil levels. Several approaches can achieve this goal. For block pavers, utilizing pre-formed edging secured with metal pins is effective, and concrete supports can be added without disturbing the soil. Alternatively, railway sleepers or wooden boards can be utilized, depending on the anticipated load on the surfacing. If it is necessary to lower the edge retention to match the surrounding ground levels, permeable soil fill will be used, as coordinated with the supervising arboriculturist.



The three-dimensional cellular confinement system is to be installed in accordance with the manufacturer's technical specifications. The cellular fill must consist of washed angular stone without fines, as required by the manufacturer. (Refer to the standard construction detail in Figure 2.2).

FIGURE 2.1 CELLWEB STANDARD DETAIL



2.3. SITE SUPERVISION - ROLES AND RESPONSIBILITIES

Before development begins, all personnel responsible for overseeing development-related tasks must be provided with the contact information of the Tree Consultant. The site manager is responsible for reporting any tree-related concerns, including any deviations from the Arboricultural Method Statement (AMS), directly to the Tree Consultant. The Tree Consultant will then visit the site and offer recommendations to the site manager on how to address the situation effectively.

The Tree Consultant will conduct site inspections throughout the duration of the work to ensure adherence to the AMS and any relevant planning conditions regarding trees. After each site inspection, the Tree Consultant will prepare a monitoring report that outlines any issues encountered, breaches of the agreed working methods, or violations of tree-related planning conditions, along with suggested measures for resolving those problems or breaches.

From commencement of the development, and throughout the site works until completion, the methodology shall be implemented in the sequence and manner detailed in the Sequence of Works.

2.4. SOFT LANDSCAPING

All ground preparation and planting activities near retained trees, shrubs, and hedges must be conducted exclusively with hand tools. The use of chemicals is strictly prohibited.



Any supplementary topsoil should be evenly distributed over the planting beds and graded to ensure proper drainage. The topsoil must comply with BS3882:2015 standards, and any subsoil used should meet the requirements of BS8601:2013.

All planting to be handled, stored, transported and planting in accordance with BS8545:2014 Trees: from nursery to independence in the landscape Recommendations.

Mulch – All planting areas to be mulched with medium grade bark mulch laid to a depth of 75mm.

2.5. TREE PROTECTION FENCING

Prior to machinery entering the site, it will be necessary to ensure that all trees are adequately protected. This will require the installation of temporary of tree protection fencing.

The Tree Protection Plans shows the approximate locations of tree protection fencing to be erected prior to the commencement of works to form Construction Exclusion Zones (CEZs).

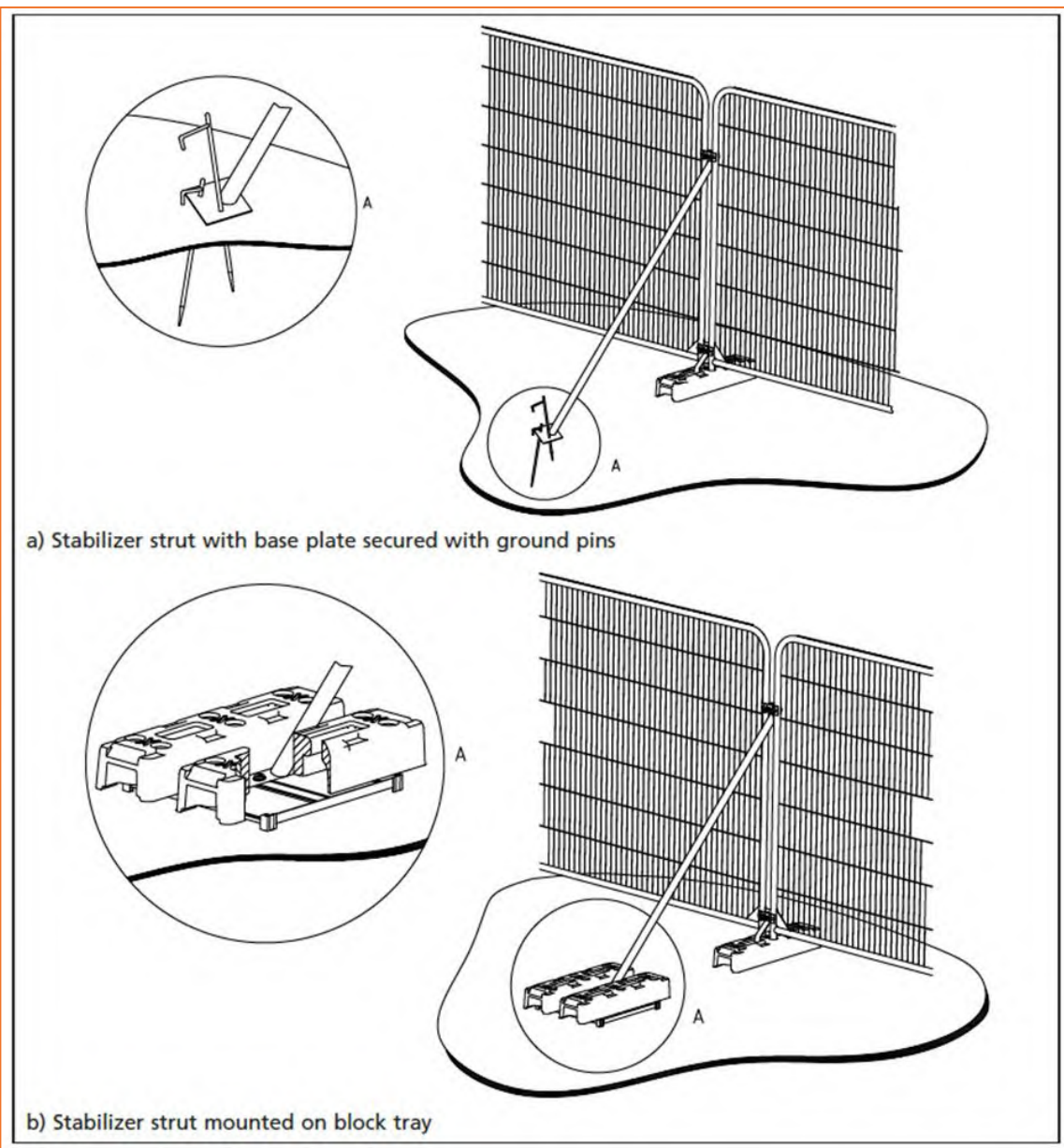
Tree protection fencing will consist of Heras fencing panels well braced to resist impacts. (see Figure 2.2).

Laminated waterproof A3 signs will be fixed securely to fencing panels on each enclosure at 9 m intervals. The signs must clearly read: 'Protected Tree Zone, no storage or operations within fenced off areas.

Once the construction works have been completed, the tree protection fencing may be removed. This must be done with care to ensure that no damage to trees is caused.



FIGURE 2.2 TREE PROTECTION FENCING SPECIFICATION





2.6. GENERAL RECOMMENDATIONS IN RESPECT OF WORKS:

- ✿ All tree works should be implemented by suitably qualified and experienced arboricultural contractors in accordance with the tree works detailed in the Tree Survey Schedule prior to the erection of the Temporary Protective Fencing.
- ✿ All tree works should conform to British Standard BS3998:2010 Tree Work - Recommendations.
- ✿ Performance of all arboricultural operations and use of equipment should be in accordance with current directives of the Health and Safety Executive (HSE) and industry codes of practice.
- ✿ All operatives should be equipped with and use Personal Protective Equipment (PPE) in accordance with current directives of the HSE and industry codes of practice.
- ✿ All tree stumps scheduled for removal that are located within a distance of 6.0 m of any retained tree should be removed by mechanical stump grinder and not by mechanical excavator.
- ✿ All possible efforts should be made by the tree contractor and any other site operatives to prevent damage to retained trees.
- ✿ No vehicles or machinery to be used or parked without appropriate ground protection measures as per BS5837 recommendations within RPA's.
- ✿ All site storage areas, cement mixing and washing points for equipment and vehicles and fuel storage areas should be outside RPAs unless otherwise agreed with the LPA. No discharge of potential contaminants should occur within the RPA of a retained tree stem or where there is a risk of run off into RPA.
- ✿ All tree works arising should be removed from the site.

ARBORICULTURIST CONTACT DETAILS

If at any point during construction works, works are required within RPAs, if there is a breach within the tree protection fencing, and/or if the proposals change from those detailed within the Tree Protection Plan, the project arboriculturist must be consulted immediately. The project arboriculturist's details are listed below:

Martin Dilworth

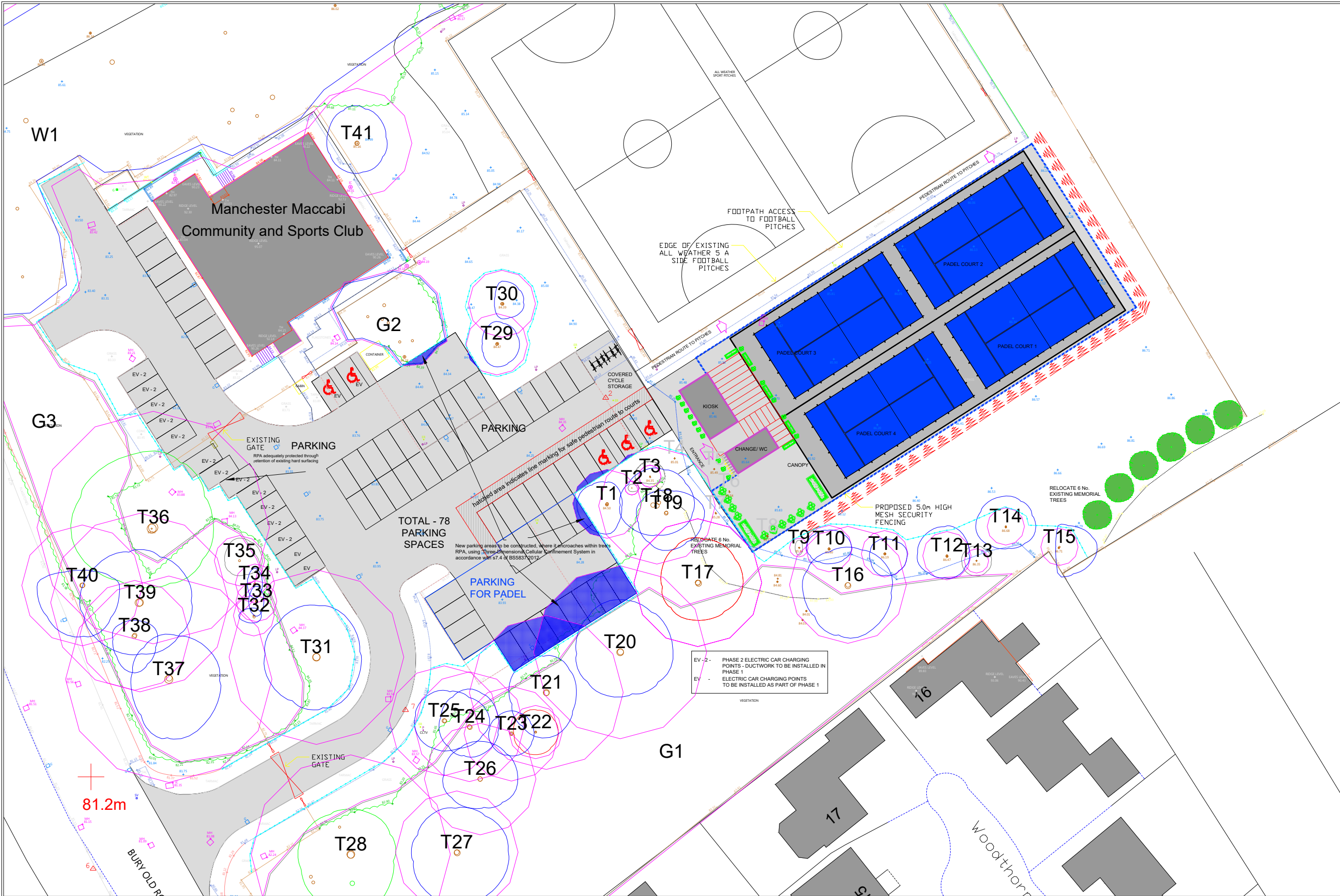
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END OF REPORT

APPENDIX I TREE PROTECTION PLAN





Tree Categorisations:

Those to be Considered for Retention:

Category 'A' Tree/Group/Hedge
Those of a High Quality with an Estimated Remaining Life Expectancy of at Least 40 Years

Category 'B' Tree/Group/Hedge
Those of a Moderate Quality with an Estimated Remaining Life Expectancy of at Least 20 Years

Category 'C' Tree/Group/Hedge
Those of Low Quality with an Estimated Remaining Life Expectancy of at Least 10 Years, or Young Trees

Those Unsuitable for Retention:

Category 'U' Tree/Group/Hedge
Those in Such a Condition that they Cannot Realistically be Retained as Living Trees in the Context of the Current Land Use for Longer Than 10 Years

Root Protection Areas (RPAs):

RPAs
Area(s) of Ground Around Trees that Should be Protected Throughout Development Works with Protective Fencing to form a Construction Exclusion Zone - see Appended Temporary Protective Fencing Specification

Tree Removals:

Tree removals
Proposed tree removals in the context of the development proposals

Root Protection Area Encroachment and areas of Cellweb Confinement System:



Tree Protective Fencing:



Notes:

P1	REVA	21.01.2025	MD	MD
Phase	Issue	Date	Drawn	Checked

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ILEX Project Management Ltd

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Manchester Maccabi Community & Sports Club

Job No:

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Drawing Title:

Tree Protection Plan

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