

Tree Protection Plan – Demolition phase

C1023: Microsoft Newport



Quinn Radiator Factory
Celtic Way
Newport
NP10 8BE

Issue 01

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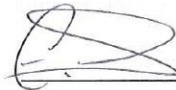
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Document Approval & Review Status:

C&C Project Manager approved.

Name	Position	Signature	Date
Mark Fanning	Project Manager		16/10/23

HSEQ Department / Contracts Director approved.

Name	Position	Signature	Date
Elliot Hutchings	Environmental Manager		16/10/23

Site Supervisor / Site Manager accepted.

Name	Position	Signature	Date

Amendments or reviews

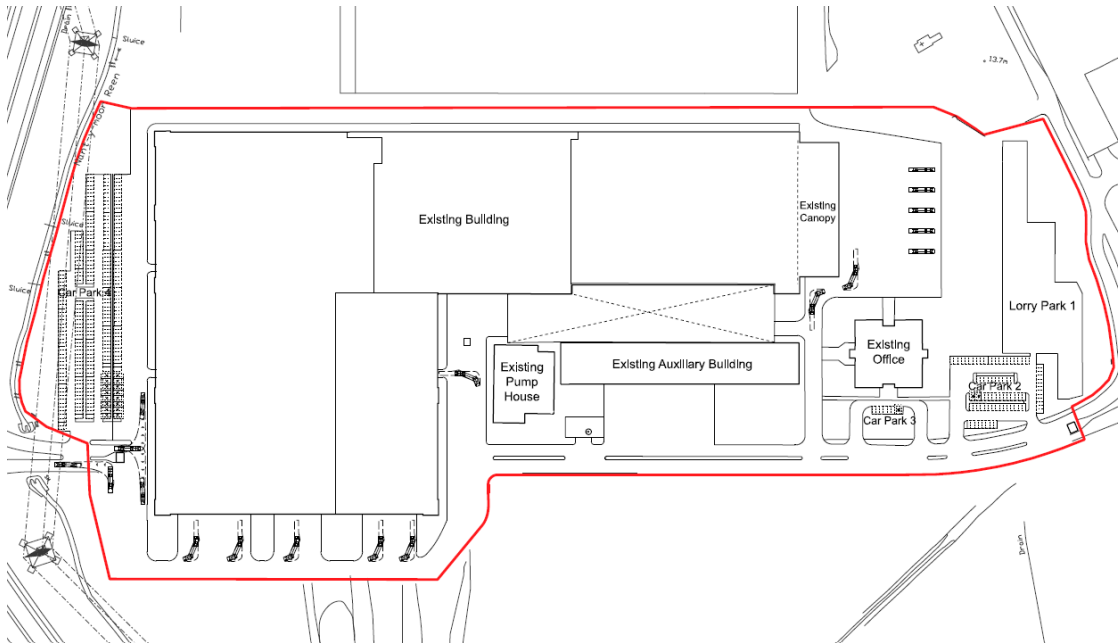
Revision	Date	Revision Details
00	07/09/2023	Initial draft
01	16/10/2023	Updated document following BB / MF comments.

This plan will be reviewed every 3 months or sooner subject to factors affecting its suitability. The review table above shall detail the nature of the document review

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1. Site Introduction

This undertaking involves the dismantling of obsolete structures at the former Quinn Radiator factory situated in Newport, known as the Celtic Way project. The site spans roughly 16.59 hectares, forming a rectangular layout. It encompasses a redundant radiator manufacturing facility, accompanied by extensive areas of hard surfaces designed for roads and parking, as well as softer landscaping areas featuring short field grass, shrubs, and both mature and semi-mature trees encircling its boundaries. Although a majority of the original structures remain intact, much of the internal manufacturing infrastructure has been removed.



Site layout of buildings to be demolished.

Colemans will mobilise to site in September 2023 and the following sequence / programme will be followed:

Activity	Date	Period
Mobilise to site	25/09/2023	2 Week
Erection of RPA	02/10/2023	1 Week
Tree Removal Scope Agreed	22/08/2023	N/A
Removal of identified redundant trees	02/10/2023	3 Weeks

2. Site access, traffic management and logistics

Please refer to the site [8.01 - Traffic Management](#)

3. Services

Currently all live services will be isolated at the current site boundary. Note no work will happen in Tree Protection zones. Where works is required, this shall be discussed with the Environmental Manager. All services can be found on the central SharePoint [1.03 - Service and Utility Records](#)

Note – New GPR survey being undertaken, and references above will be updated when complete.

4. Refuelling

A dedicated refuelling area will be defined on a hard-standing area to aid the control and refuelling from a central point. Oil spill kits and AFFF foam extinguishers will be in the area. This re fuelling location will be away from any protected tree lines.

5. Material / Waste Storage

Defined storage areas will be formed to store equipment and machinery away from protected tree areas and root protection areas. Transit routes will be identified to ensure visiting vehicles do not manoeuvre near any protected trees.

All generated deleterious waste on site will be created and moved immediately to specified skips located next to each work area. Generated materials or skips will not be stored near identified protected tree or root zones.

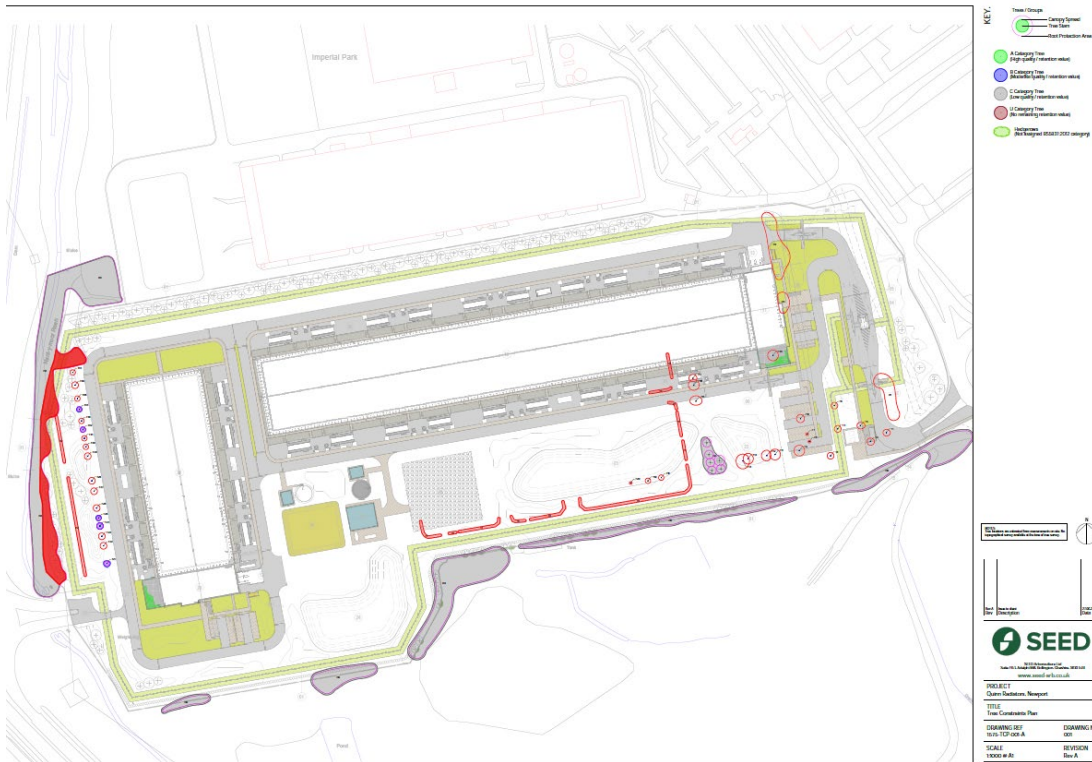
6. Current Status

6.1 Site Location and TPO

As outlined within the Arboriculture Impact Assessment Report, it has been confirmed by NCC that there are no Tree Preservation Orders (TPOs) on site or any conservation Areas. No Ancient Woodland* designations are present upon or adjacent to the site.

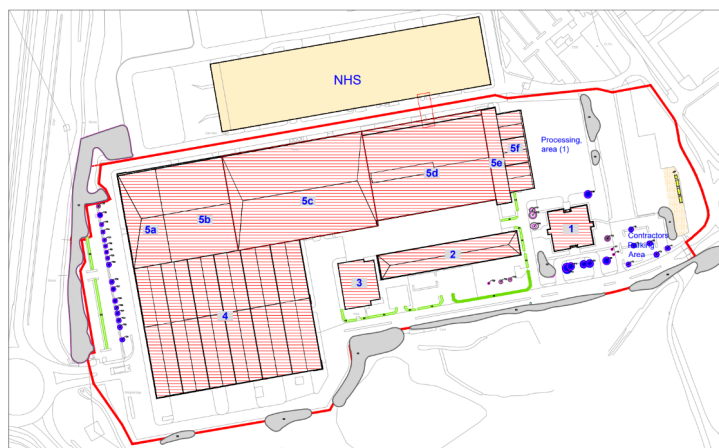
The wider site includes several groups of trees surrounding the site boundary. These groups have been identified and considered within the arboriculture report. There are more recent tree plantings within West side car park.

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Tree Protection Area

Under the demolition phase, tress/scrub predominantly within the central portions of the site will be removed to facilitate demolition and land development, however the full scope of trees to remove will be agreed with the Client and the local council. No trees will be removed until an application has been made and permission has been received from the council. Prior to any removals, trees will be inspected for signs of nesting birds although it is anticipated such works would be outside of traditional breeding and nesting season for wild birds (March – September). Retained trees will be protected from damage in line with the BS5837 Tree Protection Method Statement.

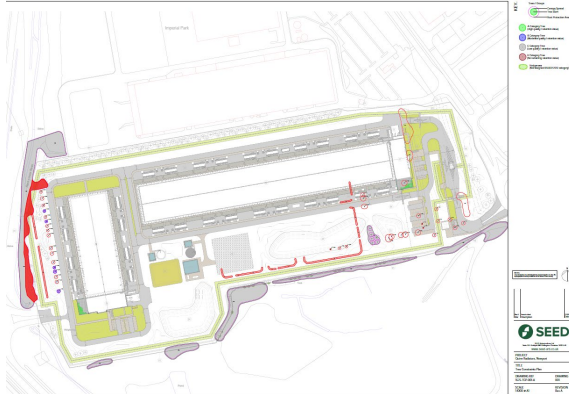


Overall site plan

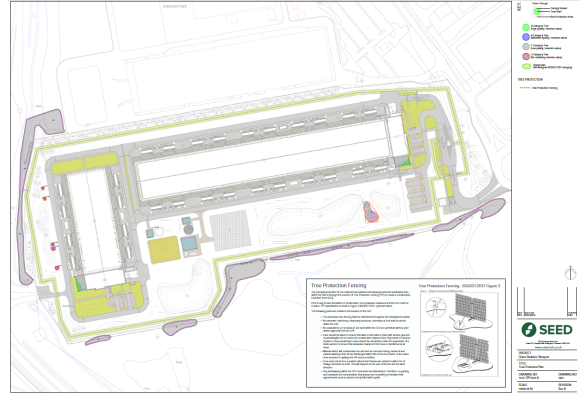
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6.2 Protected Trees

The drawing extract below shows protected trees within ‘orange’ fencing and indicates what trees (subject to permission) will be removed “red”.



Tree Removal Plan



Tree Protection Plan

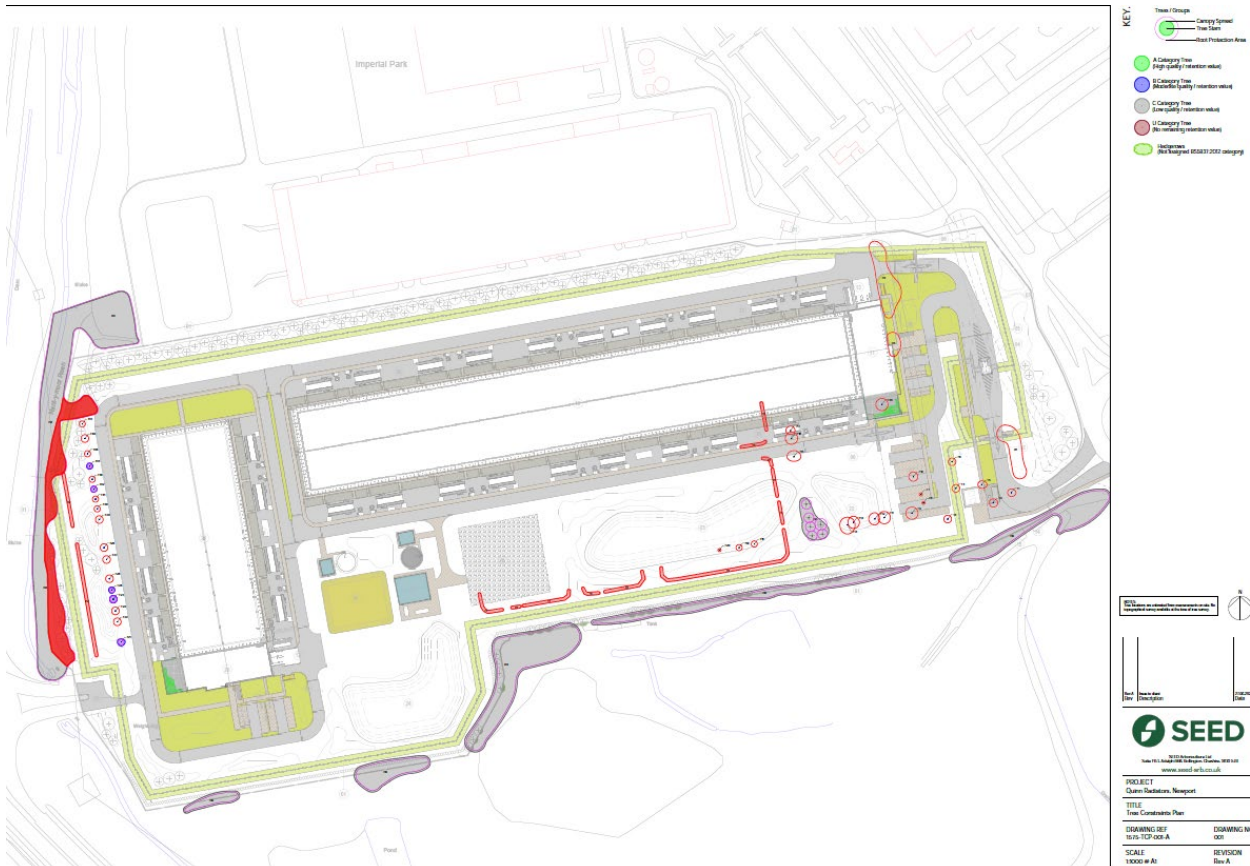
Colemans have received confirmation that trees listed for protection to the west side of site are no longer required to be retained due to interference of drainage diversion works, please refer to the central SharePoint [FW_CWL01&02 - Ecology memo for design and demolition.msg](#).

6.3 Working Around Root Protection Area

Prior to commencement of any demolition works, adequate protection, both above and below ground, is essential for trees that are to be retained as part of a development. The British Standard BS5837: 2012 Trees in relation to design, demolition and construction - Recommendations advises that there should be a root protection area (RPA) around trees which is kept free of construction activities by means of an exclusion zone enforced by protective fencing and/or ground protection. The RPA is calculated as the area equivalent to a circle with a radius of 12 times the trunk diameter at a height of 1.5 m above ground level. Based on the tree survey data root protection areas (and radial distances from the trunk to be protected) have been calculated and these are shown as dashed circles around the trees on the ‘Proposed Layout and Tree Removals drawing that forms part of SEED Arboriculture Impact Assessment Report – [1575-AIA-V1-A.pdf](#)

See drawing extract below:

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All tree protection will be erected before any building demolition commences on site. Heras fencing (2 m tall) will be installed as a barrier to any work on site. Individual panels will be held together securely by scaffold clamps and will be braced by means of backstays anchored into the ground with pins or with block trays (As per manufacturers guidance). High visibility all weather notices will be securely attached to every second panel of the barrier around the RPA with indicative wording as shown below.

7. Arboriculture supervision

A pre-start meeting will be held on site prior to any work commencing and will include either of the following site Ecological Clerk of Works, Architect, Colemans and project arboriculturist. The meeting will be to discuss and agree all details concerning tree protection and its installation. The proposed schedule of works will also be discussed and any potential conflicts with tree protection highlighted by the project team will be discussed and resolved ensuring that trees are always protected. The site manager will receive arboriculture induction by the project arboriculturist and will be fully briefed on tree protection measures and procedures before any workers or sub-contractors are permitted onto the site.

Following induction, a copy of the Induction Sheet will be signed by the site manager in recognition of acceptance of their role in enforcing day to day tree protection. The project arboriculturist will be notified by the Colemans at least five working days in advance of the intended date of commencement of installation of tree protection so that arrangements can be made for the site meeting.

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7.3 Contractors Responsibilities

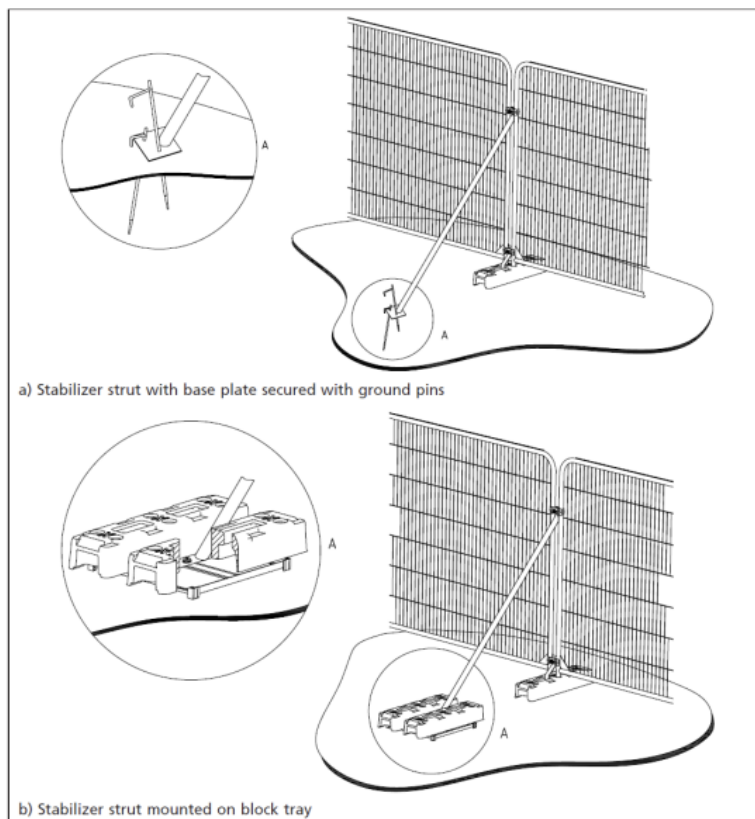
All contractors involved in the project have a duty to comply with all the specified tree protection measures and all workers will be provided with induction by the site manager and be required to sign an Induction Sheet confirming they have understood the protection measures.

- No demolition works will encroach on RPA and therefore root pruning is not required.
- No demolition works will encroach on RPA and therefore methods of improving rooting environment are not required.
- Scaffolding or ground protection will not be utilised in the RPA.

This document only addresses planning clauses relating to demolition, the following clauses will be clarified in a later version of the document. Details of construction within the root protection areas (RPAs) and / or that may otherwise impact on the retained trees.

A full specification for the construction of any roads, parking areas and driveways, including details of the no-dig specification and extent of the areas of the roads, parking areas and driveways to be constructed using a no-dig specification. Details shall include relevant sections through them.

Detailed levels and cross-sections to show that the raised levels of surfacing, where the installation of no-dig surfacing within Root Protection Areas is proposed, demonstrating that they can be accommodated where they meet with any adjacent building damp proof courses.



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Typical Fencing Detail

TREE PROTECTION AREA



NO ACCESS - TREE PROTECTION AREA

- NO MATERIALS, MACHINERY, TEMPORARY STRUCTURES OR CHEMICALS SHALL ENTER OR BE STORED WITHIN THIS AREA
- FENCING WILL NOT BE ALTERED OR MOVED WITHOUT PRIOR AGREEMENT OF THE PROJECT ARBORICULTURIST.



TREE PROTECTION FENCING

- TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
- UNAUTHORISED DAMAGE TO PROTECTED TREES IS A CRIMINAL OFFENCE AND COULD LEAD TO ENFORCEMENT ACTION.



For any issues relating to this Tree Protection Fencing or other guidance with any arboricultural matters on this development, please contact **Seed Arboriculture Ltd.**

www.seed-arb.co.uk - info@seed-arb.co.uk - 01625 460 252

Tree Protection Signage

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