

Land off Dalzell Street Moor Row

Arboricultural Method Statement

Prepared for:
Mr Nigel Kay

On:
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1 INTRODUCTION

1.1 Instruction

Mr Nigel Kay instructed Treescapes Consultancy Ltd to prepare an arboricultural method statement for the proposed development at Land off Dalzell Street, Moor Row. This method statement describes the required precautions for working near the root protection areas of the retained trees during the construction of the proposed development.

1.1.1 Relevant Standards and Codes of Best Practice

The main arboricultural industry standards and codes of best practice relevant to the planning and execution of this project are:

- BS 5837 (2012) – *Trees in relation to design, demolition and construction – Recommendations*
- BS 3998 (2010) – *Tree Work – Recommendations*
- NJUG Vol.4 – National Joint Utilities Guidelines – Volume 4 (www.njug.co.uk)

1.2 Construction Area

Please read this document in conjunction with the tree protection plan (TPP) included at Appendix 1 and the Treescapes Consultancy Pre-development Tree Constraints Report (Ref.No. EJC/122-2022 dated 14/10/2022). The TPP in this document shows the location of the trees in relation to the proposed development layout. It also shows the location of the construction exclusion zone (CEZ). Maintaining the CEZ should prevent root damage and soil compaction within the root protection areas (RPA) of the retained trees.

The location of the CEZ shown on the plan should leave adequate space for contractors to construct the proposed development. Where the proposals encroach into the RPAs of the trees, employ the special measures detailed in Section 3 of this method statement and on the TPP to minimise the impact of the proposed development.

If there is insufficient room for contractor parking and material storage on the site, the construction company will need to make alternative arrangements. Altering the tree protection barrier could affect the health and longevity of the retained trees.

If the development needs to encroach further into the RPAs, discuss any CEZ alterations with the Council Tree Officer or the Project Tree Advisor before moving the tree protection barriers.

2 SITE OPERATIONS

2.1 Responsible Persons

Responsibility	Title	Name	Organisation	Contact No.
Site Owner		Nigel Kay	Nigel Kay Homes	07827 965135
Project Architect	Architect	Glen Beattie	Alpha Design	01900 829199
Council Tree Officer	Tree Officer	TBC	Cumberland Council	TBC
Project Tree Advisor	Arboricultural Consultant		Treescaples Consultancy Ltd.	07734 113964

Bring any tree related issues and concerns arising during the construction process to the attention of the Council Tree Officer or the Project Tree Advisor. Regarding the trees, only trained personnel should carry out any remedial pruning operations.

2.2 Operation Timings

The following table gives a short list of site operations and when they should be carried out in relation to the construction of the development. This list is not exhaustive, any operations not listed should be carried out with due consideration to the retained trees and with the protective fencing in place.

Stage	Operation	Responsible Person
1.	Carry out the tree work specified in Section 3.2	Arboricultural Contractor
2.	Erect the protective fencing along the line of the CEZ, as shown on the TPP. Consult the Project Tree Advisor prior to reducing or altering the size of the CEZ	Construction Contractor
3.	Carry out a site visit and tree assessment	Council Tree Officer
4.	CONSTRUCTION PHASE - Construct the development in accordance with the approved plans	Construction Contractor
5.	Complete the construction operations	Construction Contractor
6.	Remove the protective fencing	Construction Contractor
7.	Carry out a site visit and tree assessment	Project Tree Advisor and/or Tree Officer
8.	LANDSCAPING PHASE - Carry out the landscaping operations taking care not to allow machinery into the CEZ	Landscaping Contractor
9.	Carry out a site visit and tree assessment	Project Tree Advisor and/or Tree Officer

3 TREE PROTECTION – RECOMMENDATIONS

3.1 General Precautions

The following general precautions should ensure the health and longevity of the retained trees. Enforce these precautions within the RPAs during the construction and landscaping phase.

- No soil disturbance, including compaction
- No change in the soil level, by stripping or filling
- No redirection of surface water runoff into or out of the RPA
- No temporary buildings, sheds, or offices, without prior discussion with the Project Tree Advisor and/or the Council Tree Officer
- No storage of materials or fuel
- No dumping of materials, whether into a skip or onto the ground
- No fires within 10m of the RPA or canopy, whichever is greater
- No vehicles, including parking
- No operation of plant equipment, without prior discussion with the Project Tree Advisor and/or the Council Tree Officer
- No refuelling of mechanical equipment
- No storage or mixing of cement
- No washing of cement mixers within or uphill of the RPA
- Follow the guidance contained within the National Joint Utilities Group Volume 4 (Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees (Issue 2, 2007); www.njug.org.uk) when installing underground services within the RPA of a tree.

DO

- Erect suitable protective fencing prior to any demolition or construction activity on the site
- Ensure the protective fencing remains intact in the appropriate location for the duration of the construction phase.

DO NOT

- **Do not** attach notices, cables or any other services to any part of the trees
- **Do not** move fencing to increase the construction area, without authorisation from the Project Tree Advisor and/or Council Tree Officer
- **Do not** take machinery or vehicles into the construction exclusion zone (CEZ) without suitable ground protection.
- **Do not** operate or turn tracked machines within the RPAs without adequate ground protection.
- **Do not** use plant equipment or vehicles within the CEZ during the landscaping phase, unless it is on a load-bearing surface.

3.2 Recommended Tree Work

The Tree Work Schedule at Appendix 2 lists the specified work. Preferably, carry out the felling and any pruning work before bird-nesting season begins. Alternatively, ensure the cutting work does not disturb nesting birds during these operations.

3.2.1 Felling

Currently, I recommend felling trees No 3, and tree groups Nos 1a, 1b, 1c, 2, 4a, 4b, 4c, 5, 6, 10, 11b, 11d, 12, 13, 14, 15, 16, 17, 20b, and 23b to facilitate the construction of the development. The TPP at Appendix 1 shows the locations of the trees for removal.

3.2.2 Pruning

Currently, to implement the proposals I do not recommend any pruning of trees.

Some pruning work might be required if conflicting branches become evident as the construction work progresses.

3.2.3 Implementing the Tree Work

A suitably qualified, competent, experienced, and insured contractor must carry out the tree work. The contractor should carry out their work in accordance with current industry safety standards and the recommendations contained in the British Standard – BS 3998, *Tree work – Recommendations* (2010) – as modified by research that is more recent.

3.3 Tree Protection Barrier – Construction Exclusion Zone

Erect the protective fencing along the line of the CEZ shown on the TPP at Appendix 1. This fencing will prevent construction activity and machine access close to the retained trees, which could cause damage. No plant equipment or vehicles should operate within the protective fencing without suitable ground protection and authorisation.

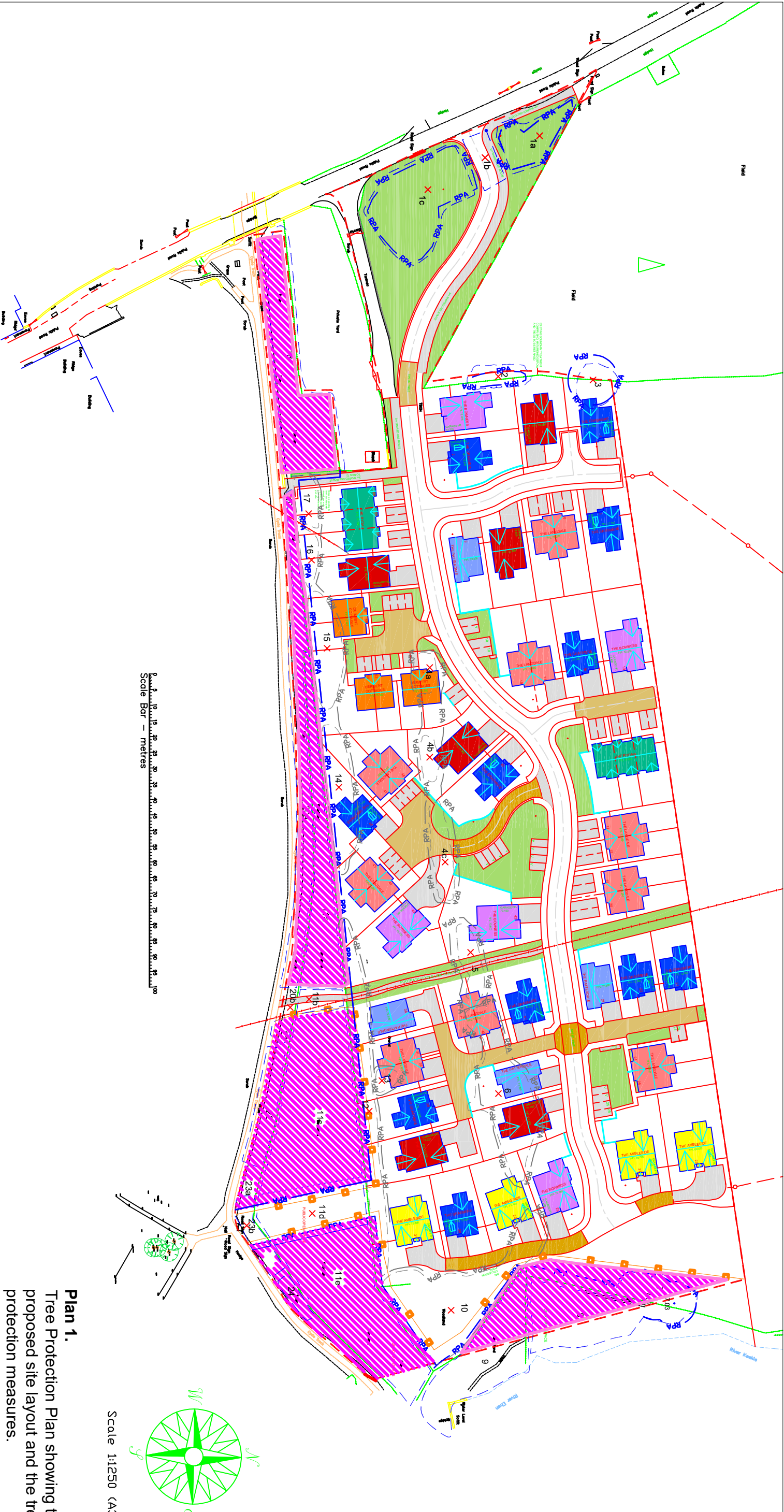
The fencing must be robust enough to withstand impacts from machinery and plant equipment operating in the area. In areas where lighter plant and machinery (typically <2t) are operating, I recommend using either:

- 2 m tall welded mesh panels on rubber or concrete feet joined together using a least two anti-tamper couplers, installed so that they can only be removed from inside the fence. Support the panels on the inner side with stabilizer struts, secured with ground pins. Where the fencing is erected on hard surfacing or it is otherwise unfeasible to use ground pins, mount the stabilizer struts onto a block tray;
- wooden posts (Ø75-100mm x 1.8m) driven securely into the ground (300-500mm) every 2m, with top and bottom wooden rails (2m x 25mm x 100mm) attached securely to the posts to create a rigid structure and chestnut paling fencing (1.25-1.5m high) attached securely to the rails every 300-400mm; or
- metal road-pins (1.2m) securely driven into the ground (200-300mm) at 2m centres, supporting orange mesh barrier fencing (1m high) securely attached to the pins using strong cable ties (4.8mm x 300mm).

Erect the protective barrier prior to any other development activity taking place and it should remain in place for the duration of the construction phase.

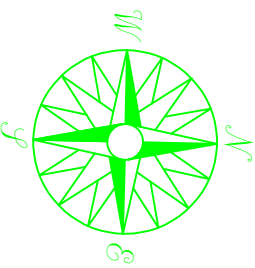
Appendix 1

Tree Protection Plan



Scale Bar — metres

Scale 1:1250 (A3)



Plan 1.
Tree Protection Plan showing the proposed site layout and the tree protection measures.

Key

- The approximate location of a tree that has been provisionally categorised and its respective number.
 - The approximate extent of the site.
 - Tree to fell
 - A group of trees to fell
 - The approximate outline of a proposed new building
 - 2m buffer zone
 - Construction Exclusion Zone
 - Tree protection fence
- Retention Category A
Retention Category B
Retention Category C
Retention Category U
- Root Protection Area (RPA)
Crown Spread
Trunk

Appendix 2

Tree Work Schedule

ID	Feature	Species	Recommended Work	Retention Category
1a,b and c	Tree Group	Mixed broadleaved species – Hawthorn, willow and shrubs.	Fell to enable the development – Entrance/access road with associated structures and grading for surface drainage.	B2
2	Tree Group	7x Hawthorn	Fell to enable the development – house.	B2
3	Tree	1x Oak	Fell to enable the development – house.	B1
6.	Tree Group	Willow, birch, and mixed broadleaved species.	Fell to enable the development – roads, houses and driveways.	C2
10	Tree Group	Willow and alder	Fell to enable the development – roads, houses and driveways.	C1
11b	Part of tree Group	Mixed broadleaved species, including alder	Fell to enable the development – footpath/cycleway link to NCN 72.	C1
11d	Part of tree Group	Mixed broadleaved species, including alder.	Fell to enable construction of underground foul sewer.	B2
12	Tree Group	Mixed broadleaved species, including birch, willow, sycamore and alder	Fell to enable the development – houses, gardens, and footpath/cycleway link to NCN 72.	C2
13	Tree Group	Alder	Fell to enable the development – house and garden.	C1
14	Tree Group	Willow and birch	Fell to enable the development – houses and gardens.	C2
15	Tree Group	Willow and birch	Fell to enable the development – houses and gardens	C2
16	Tree Group	Willow and birch	Fell to enable the development – gardens.t	C2
17	Tree Group	Birch and willow	Fell to enable the development – gardens.	C2
20b	Tree Group	Mixed broadleaved species, including willow and birch	Fell to enable the development – footpath/cycleway link to NCN 72.	B2
23b	Part of Tree Group	Mixed broadleaved species, including ash, willow, oak, and birch	Fell to enable construction of underground foul sewer.	B2

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