# TREE SURVEY

## ARBORICULTURAL IMPACT ASSESSMENT & TREE PROTECTION PLAN

**St George Illawarra Dragons (SGID)**
**Community & High-Performance Centre (CHPC)**
**Version 4**

**Prepared for:**
**St George Illawarra Rugby League Football Club Pty Limited**

**15 August 2023**

# Document information

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|---|---|
| **Title:** | SGID CHPC |
| **Report type:** | Arboricultural Impact Assessment (AIA) & Tree Protection Plan (TPP) |
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# Document status

| Document status | Date | Revision description |
|---|---|---|
| Version 1 | 13/07/22 | Design updates |
| Version 2 | 15/07/22 | Design updates |
| Version 3 | 30/06/23 | Design updates |
| Version 4 | 15/08/23 | Final version |
| | | |

# Abbreviations

| Abbreviation | Description |
|---|---|
| AQF | Australian Qualifications Framework |
| AS | Australian Standards |
| DBH | Diameter at Breast Height |
| Id | Identification |
| m | Metre |
| mm | Millimetre |
| NDE | Non-Destructive Excavation |
| NO | Number |
| NSW | New South Wales |
| sp. | Species |
| SRZ | Structural Root Zone |
| TPZ | Tree Protection Zone |
| VTA | Visual Tree Assessment |

# Contents

# 1 Background

## 1.1 Introduction

Tree Survey was commissioned by Populous on behalf of St George Illawarra Dragons (SGID) to prepare an Arboricultural Impact Assessment (AIA) and Tree Protection Plan (TPP) for the proposed construction of a Community and High-Performance Centre (CHPC). The proposed location for the CHPC is within the University of Wollongong's (UoW) Innovation Campus in North Wollongong.

The purpose of this report is to:

- Identify the trees within and adjacent to the proposed disturbance footprint.
- Assess the current health and condition of the subject trees.
- Assess the potential impacts of the development on the subject trees.
- Evaluate the significance of the subject trees and assess their suitability for retention.

## 1.2 The proposal

The key features of the proposal are summarised as follows:

- Construction of a community and high-performance center.
- External field maintenance and storage compound.
- Two (2) NRL sports fields.
- Associated car parking, driveways, and landscaping.

## 1.3 Documents and plans referenced

The conclusions and recommendations of this report are based on the Australian Standard, AS 4970-2009, Protection of Trees on Development Sites (AS4970), the findings from the site inspections, and analysis of the documents/plans listed in **Table 1**.

**Table 1: Documents and plans**

| Document | Author | Version | Date |
|---|---|---|---|
| Site Plan (DWG format) | Populous | 17 | 23/06/23 |
| Survey Plan | BCE Surveying | B | 01/02/22 |

The site plan has been used as a map layer in the **Arboricultural Impact Assessment** and **Tree Protection Plan**.

## 1.4 Council tree preservation

The Wollongong Development Control Plan (DCP) 2009 defines a tree as:

- Three (3) metres or more in height; or
- A diameter of 200mm or more at the height of one (1) metre from the ground; or
- A branch spread of three (3) metres or more,

Trees and vegetation that fall within these specifications are protected unless listed as an exempt species. Trees that do not meet the prescribed dimensions have generally not been included in this report.

## 1.5 The subject trees

A total of **511** trees were assessed and included in this report. The subject trees were assessed in accordance with a visual tree assessment (VTA) as formulated by Mattheck & Breloer (1994)[1], and practices consistent with modern arboriculture. The following limitations apply to this methodology:

- Trees were inspected from ground level, without the use of any invasive or diagnostic tools and testing. Trees within adjacent properties or restricted areas were not subject to a complete visual inspection (i.e., defects and abnormalities may be present but not recorded).
- Diameter at breast height (DBH) has been accurately measured using a diameter tape (where access to the trees was available). Tree height and canopy spread were estimated unless otherwise stated.
- Tree protection zones have been calculated in accordance with AS4970 using the DBH measurements.

A tree retention assessment has been undertaken in accordance with the Institute of Australian Consulting Aboriculturalists (IACA) Significance of a Tree, Assessment Rating System (STARS). For further information on STARS see **Appendices**. Further information, observations, and measurements specific to each of the subject trees can be found in **Chapter 3**.

[1] VTA is an internationally recognised practice in the visual assessment of trees as formulated by Mattheck & Breloer (1994). Principle explanations and illustrations are contained within the publication, Field Guide for Visual Tree Assessment by Mattheck, C., and Breloer, H. Arboricultural Journal, Vol 18 pp 1-23 (1994).

# 2 Arboricultural Impact Assessment (AIA)

## 2.1 Impact assessment

The Australian Standard, Protection of Trees on Development Sites (AS4970), describes two zones that need to be considered when undertaking an arboricultural impact assessment:

- **Tree protection zone (TPZ):** The TPZ is the combination of crown and root area that requires protection during the construction process so that the tree can remain viable. The TPZ is calculated by measuring the DBH and multiplying it by twelve (12). The resulting value is applied as a radial measurement from the centre of the trunk to delineate the TPZ.
- **Structural root zone (SRZ):** The SRZ is the area of the root system used for stability, mechanical support, and anchorage of the tree.

Encroachment within the TPZ is acceptable, providing that the arborist can demonstrate that the tree will remain viable. There are three (3) levels of encroachment defined by AS4970:

- **Nil encroachment (0%): No encroachment within the TPZ.**
- **Minor encroachment (<10%): The encroachment is less than 10% of the TPZ.**
- **Major encroachment (>10%): The encroachment is greater than 10% of the TPZ.**

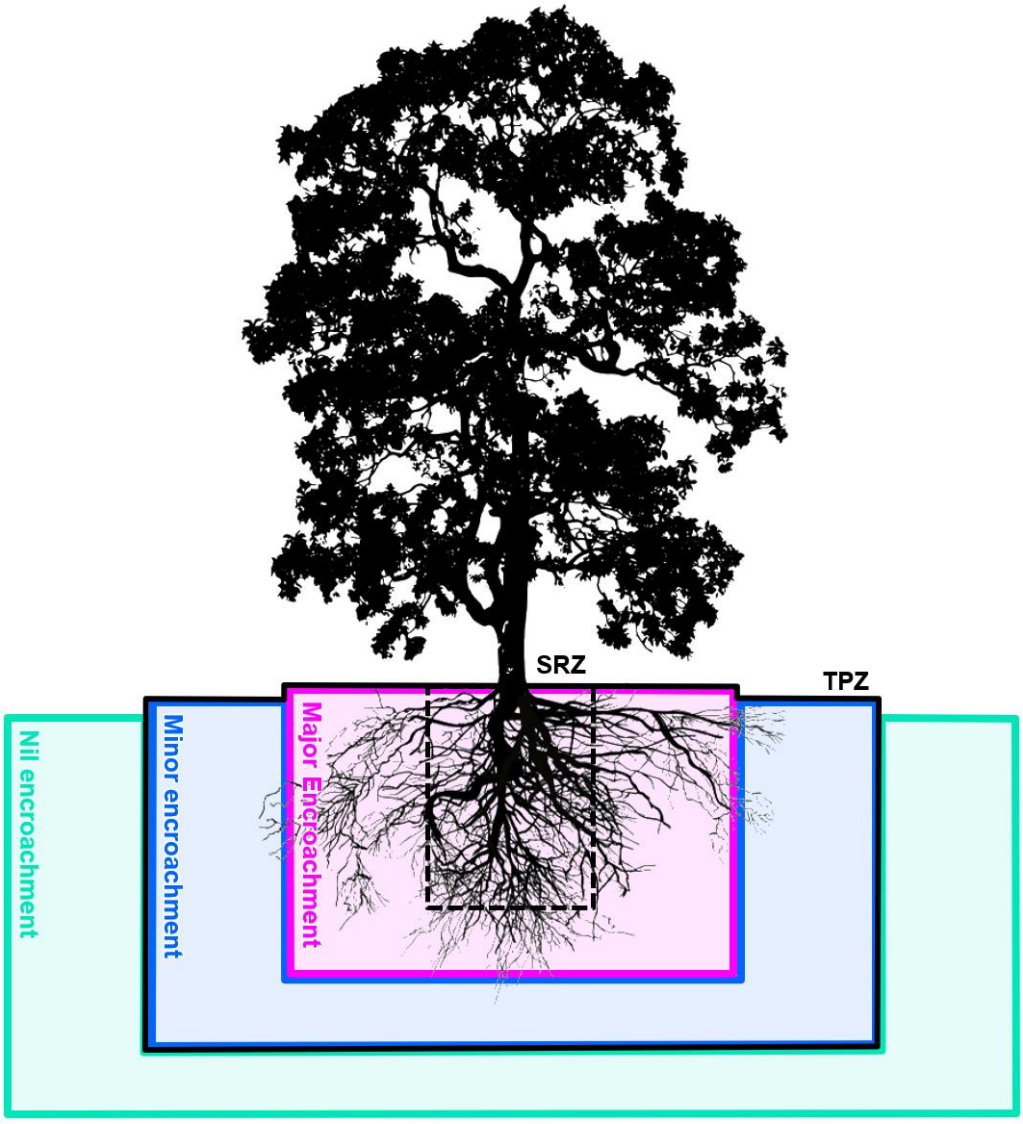



**Figure 1: Three (3) levels of encroachment**

# 3 Results

**Table 2** shows the results of the arboricultural assessment. Key points are:

## 3.1 Encroachment within the TPZ

A summary of trees impacted directly by the proposed construction footprint is outlined below:

- **Nil encroachment (0%):** A total of **340** trees are located outside the construction footprint.
- **Minor encroachment (<10%):** A total of **24** trees will be subject to minor encroachment.
- **Major encroachment (>10%):** A total of **147** trees will be subject to major encroachment.

## 3.2 Tree removal and retention

A summary of the total proposed tree removals is outlined below :

- **Retain:** A total of **379** trees are proposed for retention:
  - **Low: 78** trees have been assessed as a low priority for retention.
  - **Medium: 294** trees have been assessed as a medium priority for retention.
  - **High: 7** trees have been assessed as a high priority for retention.
- **Remove:** A total of **132** trees are proposed for removal:
  - **Low: 27** trees have been assessed as a low priority for retention.
  - **Medium: 102** trees have been assessed as a medium priority for retention.
  - **High: 3** trees have been assessed as a high priority for retention.

**Table 2: Results of the arboricultural assessment**

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** | *Melaleuca quinquenervia* | Yes | 9 | 8 | Good | Good | Mature | Medium | Medium | Medium | 750 | - | - | 750 | 800 | 9.0 | 3.0 | Nil | **0%** | - | **Retain** |
| **2** | *Araucaria heterophylla* | Yes | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | - | **Retain** |
| **3** | *Eucalyptus amplifolia* | Yes | 14 | 12 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **4** | *Eucalyptus amplifolia* | Yes | 14 | 8 | Fair | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **5** | *Eucalyptus microcorys* | Yes | 9 | 9 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **6** | *Ficus macrophylla* | Yes | 16 | 16 | Good | Good | Mature | Medium | Medium | High | 600 | 700 | - | 920 | 970 | 11.0 | 3.3 | Major | **36%** | Buttress extends approx. 4m. | **Retain** |
| **7** | *Araucaria heterophylla* | Yes | 16 | 10 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Major | **60%** | - | **Remove** |
| **8** | *Melaleuca quinquenervia* | Yes | 14 | 12 | Good | Good | Mature | Medium | Medium | High | 650 | 700 | - | 960 | 1000 | 11.5 | 3.3 | Nil | **0%** | - | **Retain** |
| **9** | *Melaleuca quinquenervia* | Yes | 9 | 7 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **10** | *Melaleuca quinquenervia* | Yes | 16 | 18 | Good | Good | Mature | High | Medium | High | 1100 | 1200 | 700 | 1770 | 2000 | 15.0 | 4.4 | Nil | **0%** | - | **Retain** |
| **11** | *Banksia integrifolia* | Yes | 6 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **12** | *Banksia integrifolia* | Yes | 4 | 3 | Good | Good | Mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **13** | *Casuarina glauca* | Yes | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **100%** | - | **Remove** |
| **14** | *Agonis flexuosa* | Yes | 6 | 7 | Good | Good | Mature | Medium | Medium | Medium | 350 | 300 | 300 | 550 | 650 | 6.6 | 2.8 | Major | **75%** | - | **Remove** |
| **15** | *Syzygium sp.* | Yes | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | 100 | 100 | 240 | 250 | 2.9 | 1.8 | Nil | **0%** | - | **Retain** |
| **16** | *Backhousia citriodora* | Yes | 3 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 100 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **17** | *Podocarpus elatus* | Yes | 7 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | - | 180 | 230 | 2.2 | 1.8 | Nil | **0%** | - | **Retain** |
| **18** | *Syzygium sp.* | Yes | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 300 | 2.5 | 2.0 | Nil | **0%** | - | **Retain** |
| **19** | *Banksia ericifolia* | Yes | 4 | 3 | Good | Good | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Nil | **0%** | - | **Retain** |
| **20** | *Eucalyptus sp.* | Yes | 16 | 10 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | Included bark junction. | **Retain** |
| **21** | *Eucalyptus microcorys* | Yes | 14 | 16 | Good | Good | Mature | Medium | Medium | High | 500 | 500 | - | 710 | 760 | 8.5 | 2.9 | Nil | **0%** | - | **Retain** |
| **22** | *Eucalyptus microcorys* | Yes | 14 | 14 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **23** | *Eucalyptus microcorys* | Yes | 14 | 12 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **24** | *Casuarina glauca* | Yes | 14 | 10 | Good | Good | Mature | Medium | Medium | Medium | 450 | 300 | 300 | 620 | 670 | 7.4 | 2.8 | Nil | **0%** | - | **Retain** |
| **25** | *Melaleuca quinquenervia* | Yes | 12 | 10 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | - | **Retain** |
| **26** | *Cinnamomum camphora* | Yes | 10 | 10 | Poor | Fair | Mature | Medium | Short | Low | 650 | 450 | 300 | 850 | 900 | 10.2 | 3.2 | Nil | **0%** | Deadwood (>10cm). Severe canopy dieback. Tree is in severe decline. | **Retain** |
| **27** | *Melaleuca quinquenervia* | Yes | 12 | 10 | Good | Good | Mature | Medium | Medium | Medium | 800 | - | - | 800 | 850 | 9.6 | 3.1 | Nil | **0%** | - | **Retain** |
| **28** | *Melaleuca quinquenervia* | Yes | 12 | 12 | Good | Good | Mature | Medium | Medium | Medium | 650 | - | - | 650 | 700 | 7.8 | 2.8 | Nil | **0%** | - | **Retain** |
| **29** | *Eucalyptus sp.* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Minor | **9%** | - | **Retain** |
| **30** | *Casuarina glauca* | Yes | 12 | 7 | Good | Fair | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Previous failure. Trunk decay. Trunk failure at 4m. | **Retain** |
| **31** | *Eucalyptus paniculata* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Minor | **6%** | - | **Retain** |
| **32** | *Banksia integrifolia* | Yes | 8 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **33** | *Corymbia maculata* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **15%** | - | **Retain** |
| **34** | *Banksia integrifolia* | Yes | 7 | 2 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **35** | *Casuarina glauca* | Yes | 8 | 8 | Fair | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **36** | *Eucalyptus sp.* | Yes | 14 | 16 | Fair | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | Epicormic regrowth. Minor canopy dieback. | **Retain** |
| **37** | *Eucalyptus sp.* | Yes | 14 | 16 | Fair | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | Epicormic regrowth. Minor canopy dieback. | **Retain** |
| **38** | *Corymbia maculata* | Yes | 14 | 12 | Fair | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | Canopy dieback. | **Retain** |
| **39** | *Casuarina glauca* | Yes | 14 | 12 | Fair | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **40** | *Casuarina glauca* | Yes | 12 | 10 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **46%** | Multiple previous failures. | **Remove** |
| **41** | *Eucalyptus microcorys* | Yes | 12 | 10 | Good | Fair | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Major | **22%** | Large partial failure hanging in crown. Previous failure. Suppressed canopy. | **Remove** |
| **42** | *Eucalyptus amplifolia* | Yes | 16 | 16 | Good | Good | Mature | Medium | Medium | Medium | 650 | - | - | 650 | 700 | 7.8 | 2.8 | Major | **19%** | - | **Retain** |
| **43** | *Eucalyptus microcorys* | Yes | 14 | 14 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | Included bark junction. | **Retain** |
| **44** | *Casuarina cunninghamiana* | Yes | 16 | 14 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Major | **100%** | - | **Remove** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **45** | *Agonis flexuosa* | Yes | 8 | 7 | Fair | Fair | Semi-mature | Medium | Medium | Medium | 700 | 500 | - | 860 | 910 | 10.3 | 3.2 | **Major** | **100%** | Canopy dieback. Trunk decay. | **Remove** |
| **46** | *Casuarina glauca* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | **Major** | **100%** | - | **Remove** |
| **47** | *Eucalyptus microcorys* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | **Major** | **14%** | Minor canopy dieback. | **Retain** |
| **48** | *Eucalyptus botryoides* | Yes | 14 | 12 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | **Nil** | **0%** | Multiple previous failures. | **Retain** |
| **49** | *Eucalyptus sp.* | Yes | 14 | 16 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | **Nil** | **0%** | Deadwood (>10cm). | **Retain** |
| **50** | *Eucalyptus sp.* | Yes | 14 | 10 | Good | Good | Mature | Medium | Medium | Medium | 500 | 400 | - | 640 | 690 | 7.7 | 2.8 | **Nil** | **0%** | Included bark junction. | **Retain** |
| **51** | *Eucalyptus sp.* | Yes | 12 | 14 | Fair | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | **Major** | **29%** | Minor canopy dieback. | **Remove** |
| **52** | *Casuarina glauca* | Yes | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 700 | - | - | 700 | 750 | 8.4 | 2.9 | **Major** | **12%** | Severe included bark junction. | **Retain** |
| **53** | *Casuarina glauca* | Yes | 16 | 9 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | **Nil** | **0%** | - | **Retain** |
| **54** | *Casuarina glauca* | Yes | 18 | 12 | Good | Fair | Mature | High | Medium | High | 750 | - | - | 750 | 800 | 9.0 | 3.0 | **Minor** | **1%** | Cavity (>20cm). Cavity (>30cm). First order co-dominant stem removed at 2m. Trunk wounds. | **Retain** |
| **55** | *Casuarina cunninghamiana* | Yes | 12 | 10 | Good | Fair | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | **Major** | **93%** | Multiple previous failures. Suppressed canopy. Tree is growing on a lean. | **Remove** |
| **56** | *Eucalyptus tereticornis* | Yes | 16 | 9 | Fair | Fair | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | **Major** | **93%** | Canopy dieback. Deadwood (>10cm). Epicormic regrowth. | **Remove** |
| **57** | *Glochidion ferdinandi* | Yes | 7 | 6 | Fair | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Major** | **100%** | Canopy dieback. Suppressed canopy. | **Remove** |
| **58** | *Podocarpus elatus* | Yes | 5 | 3 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **59** | *Podocarpus elatus* | Yes | 6 | 3 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Major** | **100%** | - | **Remove** |
| **60** | *Podocarpus elatus* | Yes | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **61** | *Pittosporum undulatum* | Yes | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **62** | *Podocarpus elatus* | Yes | 6 | 4 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Major** | **100%** | Trunk wounds. | **Remove** |
| **63** | *Podocarpus elatus* | Yes | 5 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **64** | *Triadica sebifera* | Yes | 7 | 3 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Major** | **100%** | - | **Remove** |
| **65** | *Glochidion ferdinandi* | Yes | 8 | 3 | Fair | Fair | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Major** | **100%** | Excessive crown lift. 10% canopy remaining. | **Remove** |
| **66** | *Podocarpus elatus* | Yes | 8 | 6 | Good | Fair | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | **Major** | **100%** | Included bark junction. Trunk wounds. | **Remove** |
| **67** | *Syzygium sp.* | Yes | 4 | 2 | Good | Good | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 200 | 2.0 | 1.7 | **Major** | **61%** | - | **Remove** |
| **68** | *Pittosporum undulatum* | Yes | 5 | 5 | Fair | Good | Mature | Low | Short | Low | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Major** | **100%** | Canopy dieback. | **Remove** |
| **69** | *Corymbia eximia* | Yes | 5 | 5 | Fair | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Major** | **100%** | Canopy dieback. | **Remove** |
| **70** | *Lophostemon confertus* | Yes | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | **Major** | **100%** | - | **Remove** |
| **71** | *Archontophoenix cunninghamiana* | Yes | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Major** | **100%** | - | **Remove** |
| **72** | *Callistemon viminalis* | Yes | 8 | 7 | Good | Good | Mature | Medium | Medium | Medium | 300 | 250 | 200 | 440 | 550 | 5.3 | 2.6 | **Major** | **100%** | - | **Remove** |
| **73** | *Eucalyptus botryoides* | Yes | 12 | 14 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | **Major** | **100%** | - | **Remove** |
| **74** | *Pyrus calleryana* | Yes | 6 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | **Major** | **100%** | - | **Remove** |
| **75** | *Malus sp.* | Yes | 5 | 7 | Good | Good | Mature | Medium | Medium | Medium | 200 | 200 | 200 | 350 | 350 | 4.2 | 2.1 | **Major** | **15%** | - | **Retain** |
| **76** | *Lophostemon confertus* | Yes | 8 | 9 | Fair | Fair | Mature | Medium | Medium | Medium | 400 | 400 | 400 | 690 | 750 | 8.3 | 2.9 | **Major** | **100%** | Regrowth from stump, approx. 10 well established co-dominant stems. | **Remove** |
| **77** | *Syzygium australe* | Yes | 5 | 6 | Good | Good | Mature | Medium | Medium | Medium | 200 | 150 | 150 | 290 | 400 | 3.5 | 2.3 | **Nil** | **0%** | - | **Retain** |
| **78** | *Corymbia maculata* | Yes | 12 | 16 | Fair | Good | Mature | High | Medium | High | 750 | - | - | 750 | 800 | 9.0 | 3.0 | **Major** | **19%** | Canopy dieback. | **Retain** |
| **79** | *Eucalyptus saligna* | Yes | 14 | 12 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | **Minor** | **9%** | - | **Retain** |
| **80** | *Syzygium sp.* | Yes | 7 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | 150 | 100 | 230 | 280 | 2.8 | 1.9 | **Major** | **91%** | - | **Remove** |
| **81** | *Ficus rubiginosa* | Yes | 5 | 7 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | 150 | 330 | 380 | 4.0 | 2.2 | **Major** | **62%** | Vine established in crown. | **Remove** |
| **82** | *Melia azedarach* | Yes | 7 | 9 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | **Major** | **62%** | - | **Remove** |
| **83** | *Cyathea australis* | Yes | 5 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Minor** | **3%** | - | **Retain** |
| **84** | *Melia azedarach* | Yes | 10 | 10 | Good | Good | Mature | Medium | Medium | Medium | 300 | 250 | - | 390 | 440 | 4.7 | 2.3 | **Major** | **30%** | Included bark junction. | **Remove** |
| **85** | *Melia azedarach* | Yes | 9 | 12 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | **Major** | **41%** | - | **Remove** |
| **86** | *Pittosporum undulatum* | Yes | 6 | 6 | Good | Good | Mature | Medium | Medium | Medium | 150 | 150 | 100 | 230 | 300 | 2.8 | 2.0 | **Major** | **26%** | - | **Remove** |
| **87** | *Yucca sp.* | Yes | 4 | 4 | Good | Good | Mature | Low | Medium | Low | 150 | 150 | 100 | 230 | 300 | 2.8 | 2.0 | **Major** | **32%** | - | **Remove** |
| **88** | *Eucalyptus cinerea* | Yes | 7 | 7 | Good | Good | Mature | Medium | Medium | Medium | 250 | 250 | 150 | 380 | 430 | 4.6 | 2.3 | **Major** | **27%** | - | **Remove** |
| **89** | *Melaleuca linariifolia* | Yes | 6 | 4 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | 100 | 170 | 200 | 2.0 | 1.7 | **Nil** | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **90** | *Melaleuca linariifolia* | Yes | 6 | 4 | Fair | Fair | Mature | Low | Short | Low | 150 | 100 | 100 | 210 | 250 | 2.5 | 1.8 | Nil | **0%** | Canopy dieback. Previous failure. | **Retain** |
| **91** | *Melaleuca bracteata* | Yes | 6 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 250 | 2.5 | 1.8 | Nil | **0%** | - | **Retain** |
| **92** | *Ekebergia capensis* | Yes | 5 | 5 | Fair | Good | Mature | Low | Medium | Medium | 100 | 100 | 100 | 170 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **93** | *Melaleuca bracteata* | Yes | 7 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 250 | 2.5 | 1.8 | Nil | **0%** | - | **Retain** |
| **94** | *Casuarina glauca* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **95** | *Casuarina glauca* | Yes | 10 | 5 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **96** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **97** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 450 | 250 | - | 510 | 600 | 6.1 | 2.7 | Nil | **0%** | - | **Retain** |
| **98** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **99** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **100** | *Casuarina glauca* | Yes | 7 | 2 | Good | Good | Mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **101** | *Casuarina glauca* | Yes | 6 | 2 | Good | Fair | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **102** | *Casuarina glauca* | Yes | 12 | 1 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **103** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **104** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **105** | *Casuarina glauca* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | - | **Retain** |
| **106** | *Melaleuca sp.* | Yes | 7 | 5 | Good | Good | Mature | Medium | Medium | Medium | 200 | 200 | 150 | 320 | 450 | 3.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **107** | *Melaleuca bracteata* | Yes | 8 | 6 | Good | Good | Mature | Medium | Medium | Medium | 150 | 150 | 150 | 260 | 300 | 3.1 | 2.0 | Nil | **0%** | - | **Retain** |
| **108** | *Melaleuca bracteata* | Yes | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | 150 | 330 | 400 | 4.0 | 2.3 | Nil | **0%** | - | **Retain** |
| **109** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **110** | *Casuarina glauca* | Yes | 9 | 5 | Good | Poor | Mature | Medium | Short | Low | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Multiple previous failures. Trunk failed at 3m. Regrowth overextended and failing. | **Retain** |
| **111** | *Casuarina glauca* | Yes | 8 | 4 | Poor | Fair | Mature | Low | Short | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Severe canopy dieback. Tree is in decline. | **Retain** |
| **112** | *Casuarina glauca* | Yes | 8 | 3 | Poor | Fair | Mature | Low | Short | Low | 200 | 200 | - | 280 | 330 | 3.4 | 2.1 | Nil | **0%** | Severe canopy dieback. Tree is in decline. | **Retain** |
| **113** | *Casuarina glauca* | Yes | 8 | 3 | Fair | Good | Mature | Medium | Short | Low | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Canopy dieback. Tree is in decline. | **Retain** |
| **114** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **115** | *Casuarina glauca* | Yes | 7 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **116** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **117** | *Banksia integrifolia* | Yes | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **118** | *Banksia integrifolia* | Yes | 6 | 5 | Good | Good | Mature | Medium | Medium | Medium | 200 | 100 | - | 220 | 270 | 2.6 | 1.9 | Nil | **0%** | - | **Retain** |
| **119** | *Banksia integrifolia* | Yes | 5 | 4 | Good | Good | Mature | Low | Medium | Medium | 150 | 100 | - | 180 | 250 | 2.2 | 1.8 | Nil | **0%** | - | **Retain** |
| **120** | *Leptospermum sp.* | Yes | 4 | 6 | Good | Good | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 250 | 2.0 | 1.8 | Nil | **0%** | - | **Retain** |
| **121** | *Leptospermum sp.* | Yes | 3 | 5 | Good | Good | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 250 | 2.0 | 1.8 | Nil | **0%** | - | **Retain** |
| **122** | *Syzygium sp.* | Yes | 3 | 3 | Fair | Good | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 150 | 2.0 | 1.5 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **123** | *Syzygium sp.* | Yes | 5 | 3 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | 100 | 170 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **124** | *Eucalyptus botryoides* | Yes | 6 | 9 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | 100 | 310 | 400 | 3.7 | 2.3 | Nil | **0%** | Deadwood (>10cm). | **Retain** |
| **125** | *Casuarina glauca* | Yes | 9 | 3 | Fair | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Canopy dieback. | **Retain** |
| **126** | *Casuarina glauca* | Yes | 9 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **127** | *Casuarina glauca* | Yes | 10 | 3 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **128** | *Casuarina glauca* | Yes | 9 | 5 | Good | Poor | Mature | Medium | Short | Low | 350 | 200 | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | Multiple previous failures. Trunk failed at 1.5m. | **Retain** |
| **129** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **130** | *Melaleuca linariifolia* | Yes | 6 | 5 | Good | Good | Mature | Low | Medium | Medium | 200 | 150 | 150 | 290 | 350 | 3.5 | 2.1 | Nil | **0%** | - | **Retain** |
| **131** | *Melaleuca bracteata* | Yes | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | 300 | - | 460 | 510 | 5.5 | 2.5 | Nil | **0%** | - | **Retain** |
| **132** | *Melaleuca linariifolia* | Yes | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 150 | 150 | 260 | 300 | 3.1 | 2.0 | Nil | **0%** | Internodal pruning. Lopped for line clearance | **Retain** |
| **133** | *Melaleuca decora* | Yes | 8 | 5 | Good | Good | Mature | Medium | Medium | Medium | 450 | 200 | - | 490 | 540 | 5.9 | 2.6 | Nil | **0%** | - | **Retain** |
| **134** | *Melaleuca bracteata* | Yes | 9 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | 250 | - | 290 | 400 | 3.5 | 2.3 | Nil | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **135** | *Melaleuca bracteata* | Yes | 8 | 6 | Good | Good | Mature | Medium | Medium | Medium | 150 | 300 | - | 340 | 350 | 4.1 | 2.1 | Nil | **0%** | - | **Retain** |
| **136** | *Melaleuca bracteata* | Yes | 8 | 5 | Good | Good | Mature | Medium | Medium | Medium | 200 | 150 | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **137** | *Melaleuca linariifolia* | Yes | 8 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 350 | 2.5 | 2.1 | Nil | **0%** | - | **Retain** |
| **138** | *Melaleuca bracteata* | Yes | 9 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **139** | *Agonis flexuosa* | Yes | 7 | 10 | Good | Good | Mature | Medium | Medium | Medium | 650 | 250 | 250 | 740 | 790 | 8.9 | 3.0 | Nil | **0%** | Trunk decay. Trunk wounds. | **Retain** |
| **140** | *Casuarina glauca* | Yes | 6 | 3 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **141** | *Casuarina glauca* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 550 | 300 | - | 630 | 650 | 7.6 | 2.8 | Nil | **0%** | - | **Retain** |
| **142** | *Casuarina glauca* | Yes | 8 | 3 | Good | Fair | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **143** | *Casuarina glauca* | Yes | 6 | 5 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **144** | *Dead tree* | Yes | 7 | 1 | Poor | Poor | Dead | Low | Dead | Low | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Dead tree. | **Retain** |
| **145** | *Casuarina glauca* | Yes | 5 | 5 | Fair | Poor | Mature | Low | Short | Low | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | 50% of the tree is dead. Multiple previous failures. Suppressed canopy. | **Retain** |
| **146** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **147** | *Casuarina glauca* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **148** | *Casuarina glauca* | Yes | 14 | 5 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **149** | *Casuarina glauca* | Yes | 14 | 7 | Good | Good | Mature | Medium | Medium | Medium | 350 | 100 | - | 360 | 410 | 4.3 | 2.3 | Nil | **0%** | - | **Retain** |
| **150** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | 150 | 150 | 370 | 420 | 4.4 | 2.3 | Nil | **0%** | - | **Retain** |
| **151** | *Casuarina glauca* | Yes | 12 | 5 | Good | Fair | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **152** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **153** | *Casuarina glauca* | Yes | 10 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **154** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **155** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **156** | *Casuarina glauca* | Yes | 7 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **157** | *Dead tree* | Yes | 7 | 1 | Poor | Poor | Dead | Low | Dead | Low | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Dead tree. | **Retain** |
| **158** | *Casuarina glauca* | Yes | 9 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **159** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **160** | *Casuarina glauca* | Yes | 9 | 3 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **161** | *Casuarina glauca* | Yes | 7 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **162** | *Casuarina glauca* | Yes | 6 | 1 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **163** | *Casuarina glauca* | Yes | 7 | 3 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | - | 140 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **164** | *Casuarina glauca* | Yes | 6 | 3 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **165** | *Casuarina glauca* | Yes | 7 | 3 | Good | Fair | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **166** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 450 | 350 | - | 570 | 620 | 6.8 | 2.7 | Nil | **0%** | - | **Retain** |
| **167** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **168** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **169** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **170** | *Casuarina glauca* | Yes | 7 | 4 | Good | Fair | Mature | Medium | Medium | Medium | 200 | 150 | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **171** | *Casuarina glauca* | Yes | 5 | 3 | Good | Good | Semi-mature | Medium | Medium | Medium | 100 | 100 | 100 | 170 | 220 | 2.0 | 1.8 | Nil | **0%** | - | **Retain** |
| **172** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | 150 | - | 340 | 390 | 4.1 | 2.2 | Nil | **0%** | - | **Retain** |
| **173** | *Casuarina glauca* | Yes | 7 | 5 | Good | Fair | Mature | Medium | Medium | Medium | 200 | 100 | 100 | 240 | 290 | 2.9 | 2.0 | Nil | **0%** | Previous failure. Trunk failure at 6m. Hanger lodged in crown. | **Retain** |
| **174** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | 100 | 100 | 290 | 340 | 3.5 | 2.1 | Nil | **0%** | - | **Retain** |
| **175** | *Casuarina glauca* | Yes | 6 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Internodal pruning. Lopped for line clearance. | **Retain** |
| **176** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **177** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **178** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 250 | 100 | - | 270 | 320 | 3.2 | 2.1 | Nil | **0%** | - | **Retain** |
| **179** | *Casuarina glauca* | Yes | 6 | 3 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 260 | 2.5 | 1.9 | Nil | **0%** | Internodal pruning. Lopped for line clearance. | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **180** | *Casuarina glauca* | Yes | 10 | 7 | Good | Good | Mature | Medium | Medium | Medium | 450 | 250 | 200 | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | - | **Retain** |
| **181** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | 250 | - | 390 | 440 | 4.7 | 2.3 | Nil | **0%** | - | **Retain** |
| **182** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **183** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Previous failure. | **Retain** |
| **184** | *Casuarina glauca* | Yes | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **185** | *Casuarina glauca* | Yes | 5 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Internodal pruning. Lopped for line clearance. | **Retain** |
| **186** | *Casuarina glauca* | Yes | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | 100 | 100 | 330 | 380 | 4.0 | 2.2 | Nil | **0%** | - | **Retain** |
| **187** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **188** | *Casuarina glauca* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | 100 | 310 | 360 | 3.7 | 2.2 | Nil | **0%** | 8 co-dominant stems from ground level. | **Retain** |
| **189** | *Casuarina glauca* | Yes | 12 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Major | **100%** | - | **Remove** |
| **190** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **100%** | - | **Remove** |
| **191** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Major | **100%** | - | **Remove** |
| **192** | *Brachychiton acerifolius* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **100%** | - | **Remove** |
| **193** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **100%** | - | **Remove** |
| **194** | *Araucaria heterophylla* | Yes | 12 | 7 | Good | Fair | Mature | Low | Medium | Low | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Major | **100%** | Basal decay. Trunk decay. Trunk wounds. | **Remove** |
| **195** | *Lophostemon confertus* | Yes | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **100%** | - | **Remove** |
| **196** | *Lophostemon confertus* | Yes | 8 | 8 | Good | Good | Mature | Medium | Medium | Medium | 450 | 350 | 300 | 640 | 690 | 7.7 | 2.8 | Major | **100%** | - | **Remove** |
| **197** | *Agonis flexuosa* | Yes | 6 | 6 | Good | Fair | Mature | Medium | Medium | Medium | 450 | 450 | - | 640 | 690 | 7.7 | 2.8 | Nil | **0%** | Canopy dieback. | **Retain** |
| **198** | *Casuarina glauca* | Yes | 12 | 8 | Good | Good | Mature | Medium | Medium | Medium | 500 | 400 | - | 640 | 690 | 7.7 | 2.8 | Nil | **0%** | - | **Retain** |
| **199** | *Lophostemon confertus* | Yes | 12 | 10 | Good | Fair | Mature | Medium | Medium | Medium | 450 | 450 | - | 640 | 690 | 7.7 | 2.8 | Nil | **0%** | Pruned for line clearance. Tree is growing on a lean. | **Retain** |
| **200** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **201** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **202** | *Casuarina glauca* | Yes | 12 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **203** | *Casuarina glauca* | Yes | 12 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **204** | *Casuarina glauca* | Yes | 9 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **205** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **206** | *Casuarina glauca* | Yes | 5 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Internodal pruning. Lopped for line clearance. | **Retain** |
| **207** | *Casuarina glauca* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **208** | *Casuarina glauca* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **209** | *Casuarina glauca* | Yes | 10 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **210** | *Eucalyptus amplifolia* | Yes | 14 | 7 | Good | Fair | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | Pruned for line clearance. Tree is growing on a lean. | **Retain** |
| **211** | *Agonis flexuosa* | Yes | 5 | 6 | Fair | Fair | Mature | Medium | Medium | Medium | 200 | 200 | - | 280 | 330 | 3.4 | 2.1 | Nil | **0%** | Pruned for line clearance. Tree is growing on a lean. | **Retain** |
| **212** | *Casuarina glauca* | Yes | 10 | 7 | Good | Fair | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | Internodal pruning. Pruned for line clearance. Tree is growing on a lean. | **Retain** |
| **213** | *Casuarina glauca* | Yes | 12 | 8 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **100%** | - | **Remove** |
| **214** | *Casuarina glauca* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 450 | 600 | - | 750 | 800 | 9.0 | 3.0 | Major | **96%** | - | **Remove** |
| **215** | *Eucalyptus sp.* | Yes | 12 | 16 | Fair | Fair | Mature | Medium | Medium | Medium | 650 | - | - | 650 | 700 | 7.8 | 2.8 | Major | **100%** | - | **Remove** |
| **216** | *Cupressus macrocarpa* | Yes | 9 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | 300 | - | 420 | 400 | 5.0 | 2.3 | Major | **71%** | - | **Remove** |
| **217** | *Pittosporum undulatum* | Yes | 8 | 4 | Fair | Good | Mature | Low | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **100%** | Insect damage throughout crown,Suppressed canopy. | **Remove** |
| **218** | *Brachychiton acerifolius* | Yes | 10 | 3 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Major | **100%** | - | **Remove** |
| **219** | *Casuarina glauca* | Yes | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **100%** | - | **Remove** |
| **220** | *Eucalyptus saligna* | Yes | 14 | 7 | Good | Good | Mature | Medium | Medium | Medium | 350 | 350 | - | 490 | 540 | 5.9 | 2.6 | Major | **100%** | Severe trunk decay. Trunk decay. | **Remove** |
| **221** | *Eucalyptus amplifolia* | Yes | 14 | 14 | Good | Good | Mature | Medium | Medium | High | 850 | 600 | - | 1040 | 1200 | 12.5 | 3.6 | Major | **100%** | - | **Remove** |
| **222** | *Corymbia maculata* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Major | **100%** | Trunk wounds. | **Remove** |
| **223** | *Triadica sebifera* | Yes | 6 | 6 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **224** | *Podocarpus elatus* | Yes | 5 | 2 | Good | Good | Juvenile | Medium | Medium | Medium | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Nil | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **225** | *Pittosporum undulatum* | Yes | 6 | 3 | Good | Good | Mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **226** | *Melia azedarach* | Yes | 9 | 8 | Good | Good | Mature | Medium | Medium | Medium | 300 | 250 | - | 390 | 440 | 4.7 | 2.3 | Minor | **9%** | - | **Retain** |
| **227** | *Eucalyptus tereticornis* | Yes | 14 | 7 | Fair | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Minor | **4%** | Canopy dieback. | **Retain** |
| **228** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **229** | *Eucalyptus robusta* | Yes | 9 | 7 | Good | Fair | Mature | Medium | Medium | Medium | 300 | 250 | 100 | 400 | 450 | 4.8 | 2.4 | Major | **22%** | - | **Remove** |
| **230** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Minor | **3%** | - | **Retain** |
| **231** | *Eucalyptus tereticornis* | Yes | 16 | 7 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Minor | **6%** | - | **Retain** |
| **232** | *Lagunaria petersonii* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **233** | *Eucalyptus robusta* | Yes | 8 | 8 | Fair | Poor | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Deadwood (>10cm). Severe canopy dieback. Tree is growing on a lean. | **Retain** |
| **234** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **235** | *Casuarina glauca* | Yes | 14 | 7 | Good | Fair | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **23%** | Previous failure. Trunk wounds. | **Remove** |
| **236** | *Eucalyptus botryoides* | Yes | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Minor | **4%** | - | **Retain** |
| **237** | *Eucalyptus amplifolia* | Yes | 16 | 10 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | - | **Retain** |
| **238** | *Eucalyptus robusta* | Yes | 12 | 6 | Fair | Good | Mature | Medium | Medium | Medium | 300 | 100 | - | 320 | 370 | 3.8 | 2.2 | Major | **29%** | Epicormic regrowth. | **Remove** |
| **239** | *Unidentified species* | Yes | 5 | 3 | Fair | Fair | Mature | Medium | Medium | Medium | 150 | 100 | - | 180 | 230 | 2.2 | 1.8 | Nil | **0%** | Minor canopy dieback. Suppressed canopy. | **Retain** |
| **240** | *Eucalyptus botryoides* | Yes | 10 | 5 | Poor | Fair | Mature | Medium | Short | Low | 300 | 200 | - | 360 | 410 | 4.3 | 2.3 | Nil | **0%** | Epicormic regrowth. Severe canopy dieback. Tree is in decline. | **Retain** |
| **241** | *Casuarina glauca* | Yes | 10 | 6 | Good | Fair | Mature | Medium | Medium | Medium | 200 | 200 | - | 280 | 330 | 3.4 | 2.1 | Nil | **0%** | Included bark junction. | **Retain** |
| **242** | *Eucalyptus sp.* | Yes | 16 | 8 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | Deadwood (>10cm). | **Retain** |
| **243** | *Eucalyptus amplifolia* | Yes | 16 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **244** | *Casuarina glauca* | Yes | 12 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | - | 290 | 340 | 3.5 | 2.1 | Minor | **1%** | Included bark junction. | **Retain** |
| **245** | *Eucalyptus amplifolia* | Yes | 16 | 6 | Fair | Good | Mature | Medium | Medium | Medium | 400 | 150 | - | 430 | 480 | 5.2 | 2.4 | Minor | **1%** | Canopy dieback. Included bark junction. | **Retain** |
| **246** | *Eucalyptus amplifolia* | Yes | 16 | 8 | Fair | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Canopy dieback. | **Retain** |
| **247** | *Casuarina glauca* | Yes | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **248** | *Casuarina glauca* | Yes | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **249** | *Eucalyptus botryoides* | Yes | 8 | 6 | Poor | Poor | Mature | Low | Short | Low | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Deadwood (>10cm). Severe canopy dieback. Tree is in decline. Trunk decay. | **Retain** |
| **250** | *Casuarina glauca* | Yes | 10 | 2 | Fair | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **251** | *Eucalyptus sp.* | Yes | 16 | 12 | Fair | Good | Mature | Medium | Short | Low | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Minor | **1%** | Canopy dieback. Vine established in upper canopy. | **Retain** |
| **252** | *Casuarina glauca* | Yes | 10 | 5 | Fair | Fair | Mature | Medium | Medium | Medium | 200 | 200 | 200 | 350 | 400 | 4.2 | 2.3 | Major | **19%** | - | **Retain** |
| **253** | *Casuarina glauca* | Yes | 12 | 2 | Fair | Fair | Mature | Medium | Short | Low | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Vine established in upper canopy. | **Retain** |
| **254** | *Casuarina glauca* | Yes | 12 | 6 | Fair | Fair | Mature | Medium | Short | Low | 250 | 150 | 100 | 310 | 360 | 3.7 | 2.2 | Nil | **0%** | Canopy dieback. Vine established in upper canopy. | **Retain** |
| **255** | *Casuarina glauca* | Yes | 10 | 2 | Fair | Fair | Mature | Medium | Short | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Canopy dieback. Vine established in upper canopy. | **Retain** |
| **256** | *Casuarina glauca* | Yes | 10 | 2 | Fair | Fair | Mature | Medium | Short | Low | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Canopy dieback. Vine established in upper canopy. | **Retain** |
| **257** | *Casuarina glauca* | Yes | 12 | 6 | Poor | Fair | Mature | Medium | Short | Low | 300 | 250 | - | 390 | 440 | 4.7 | 2.3 | Nil | **0%** | Canopy dieback. Included bark junction. Vine established in upper canopy. | **Retain** |
| **258** | *Casuarina glauca* | Yes | 12 | 8 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **259** | *Lagunaria petersonii* | Yes | 9 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **260** | *Casuarina glauca* | Yes | 9 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **261** | *Podocarpus elatus* | Yes | 5 | 4 | Good | Good | Semi-mature | Medium | Medium | Medium | 150 | 100 | - | 180 | 230 | 2.2 | 1.8 | Nil | **0%** | - | **Retain** |
| **262** | *Callistemon viminalis* | Yes | 5 | 2 | Good | Good | Mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Minor | **4%** | - | **Retain** |
| **263** | *Eucalyptus amplifolia* | Yes | 14 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **264** | *Casuarina glauca* | Yes | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **265** | *Casuarina glauca* | Yes | 8 | 7 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **266** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **267** | *Casuarina glauca* | Yes | 12 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **268** | *Eucalyptus amplifolia* | Yes | 14 | 10 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **269** | *Casuarina glauca* | Yes | 8 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **270** | *Casuarina glauca* | Yes | 3 | 2 | Good | Good | Semi-mature | Low | Short | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | Canopy dieback. | **Retain** |
| **271** | *Eucalyptus amplifolia* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **272** | *Eucalyptus microcorys* | Yes | 9 | 5 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **273** | *Casuarina glauca* | Yes | 10 | 3 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **274** | *Eucalyptus amplifolia* | Yes | 16 | 10 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **275** | *Eucalyptus microcorys* | Yes | 9 | 7 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **276** | *Eucalyptus amplifolia* | Yes | 14 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **277** | *Casuarina glauca* | Yes | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **278** | *Casuarina glauca* | Yes | 9 | 6 | Fair | Fair | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **279** | *Casuarina glauca* | Yes | 7 | 5 | Good | Fair | Mature | Medium | Medium | Medium | 200 | 100 | 100 | 240 | 290 | 2.9 | 2.0 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **280** | *Casuarina glauca* | Yes | 6 | 4 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **281** | *Casuarina glauca* | Yes | 4 | 2 | Poor | Fair | Mature | Low | Short | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | 75% of the tree is dead. Tree is in severe decline. | **Retain** |
| **282** | *Casuarina glauca* | Yes | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **283** | *Casuarina glauca* | Yes | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **284** | *Eucalyptus botryoides* | Yes | 16 | 10 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | - | **Retain** |
| **285** | *Casuarina glauca* | Yes | 8 | 6 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **286** | *Casuarina glauca* | Yes | 8 | 12 | Fair | Fair | Mature | Medium | Short | Low | 300 | 150 | 150 | 370 | 500 | 4.4 | 2.5 | Nil | **0%** | Canopy dieback. Suppressed canopy. | **Retain** |
| **287** | *Eucalyptus amplifolia* | Yes | 14 | 10 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **288** | *Casuarina glauca* | Yes | 3 | 4 | Fair | Fair | Mature | Low | Short | Low | 200 | - | - | 200 | 200 | 2.4 | 1.7 | Nil | **0%** | Canopy dieback. Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **289** | *Eucalyptus microcorys* | Yes | 7 | 8 | Poor | Fair | Mature | Medium | Short | Low | 400 | 250 | 150 | 490 | 540 | 5.9 | 2.6 | Nil | **0%** | Severe canopy dieback. | **Retain** |
| **290** | *Eucalyptus microcorys* | Yes | 12 | 10 | Fair | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | Canopy dieback. | **Retain** |
| **291** | *Eucalyptus microcorys* | Yes | 8 | 7 | Fair | Fair | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Epicormic regrowth. Pruned for line clearance. | **Retain** |
| **292** | *Dead tree* | Yes | 9 | 3 | Poor | Poor | Dead | Low | Dead | Low | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Dead tree. | **Retain** |
| **293** | *Eucalyptus microcorys* | Yes | 14 | 7 | Fair | Fair | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | Epicormic regrowth. Pruned for line clearance. | **Retain** |
| **294** | *Eucalyptus microcorys* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **295** | *Casuarina glauca* | Yes | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **296** | *Eucalyptus microcorys* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | Canopy dieback. Deadwood (>10cm). | **Retain** |
| **297** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 550 | 400 | - | 680 | 730 | 8.2 | 2.9 | Nil | **0%** | - | **Retain** |
| **298** | *Eucalyptus microcorys* | Yes | 14 | 8 | Poor | Poor | Mature | Medium | Short | Low | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | 75% of the tree is dead. Deadwood (>30cm). | **Retain** |
| **299** | *Casuarina glauca* | Yes | 10 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | - | 290 | 340 | 3.5 | 2.1 | Nil | **0%** | - | **Retain** |
| **300** | *Casuarina glauca* | Yes | 14 | 7 | Good | Good | Mature | Medium | Medium | Medium | 450 | 450 | 200 | 670 | 720 | 8.0 | 2.9 | Nil | **0%** | - | **Retain** |
| **301** | *Casuarina glauca* | Yes | 12 | 3 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **302** | *Casuarina glauca* | Yes | 10 | 8 | Good | Good | Mature | Medium | Medium | Medium | 350 | 350 | - | 490 | 540 | 5.9 | 2.6 | Nil | **0%** | - | **Retain** |
| **303** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | - | **Retain** |
| **304** | *Eucalyptus microcorys* | Yes | 12 | 7 | Fair | Fair | Mature | Medium | Medium | Medium | 450 | 400 | 250 | 650 | 650 | 7.8 | 2.8 | Nil | **0%** | Canopy dieback. Deadwood (>10cm). | **Retain** |
| **305** | *Melaleuca quinquenervia* | Yes | 5 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 250 | 2.5 | 1.8 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **306** | *Eucalyptus microcorys* | Yes | 16 | 7 | Good | Fair | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **307** | *Eucalyptus microcorys* | Yes | 10 | 8 | Poor | Poor | Mature | Medium | Short | Low | 400 | 200 | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | 25% of the tree is dead. Deadwood (>10cm). Severe canopy dieback. | **Retain** |
| **308** | *Eucalyptus amplifolia* | Yes | 14 | 10 | Good | Good | Mature | Medium | Medium | Medium | 650 | - | - | 650 | 700 | 7.8 | 2.8 | Nil | **0%** | - | **Retain** |
| **309** | *Eucalyptus amplifolia* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | - | **Retain** |
| **310** | *Eucalyptus microcorys* | Yes | 10 | 9 | Fair | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | Canopy dieback. Previous failure. | **Retain** |
| **311** | *Melaleuca sp.* | Yes | 3 | 3 | Good | Good | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Nil | **0%** | - | **Retain** |
| **312** | *Casuarina glauca* | Yes | 12 | 10 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **313** | *Casuarina glauca* | Yes | 12 | 7 | Fair | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | Canopy dieback. Witchâ€™s broom throughout crown. | **Retain** |
| **314** | *Casuarina glauca* | Yes | 10 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **315** | *Eucalyptus microcorys* | Yes | 4 | 3 | Good | Fair | Semi-mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **316** | *Eucalyptus amplifolia* | Yes | 14 | 10 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **317** | *Eucalyptus amplifolia* | Yes | 9 | 5 | Good | Fair | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Previous failure. Suppressed canopy. | **Retain** |
| **318** | *Eucalyptus amplifolia* | Yes | 16 | 7 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **319** | *Eucalyptus amplifolia* | Yes | 14 | 8 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **320** | *Agonis flexuosa* | Yes | 6 | 7 | Good | Good | Mature | Medium | Medium | Medium | 650 | - | - | 650 | 700 | 7.8 | 2.8 | Major | **94%** | - | **Remove** |
| **321** | *Eucalyptus amplifolia* | Yes | 14 | 7 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **42%** | - | **Remove** |
| **322** | *Eucalyptus microcorys* | Yes | 16 | 16 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Minor | **2%** | - | **Retain** |
| **323** | *Eucalyptus amplifolia* | Yes | 7 | 5 | Fair | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Major | **25%** | Minor canopy dieback. | **Remove** |
| **324** | *Eucalyptus capitelata* | Yes | 9 | 10 | Fair | Fair | Mature | Medium | Medium | Medium | 500 | 400 | - | 640 | 690 | 7.7 | 2.8 | Major | **16%** | Canopy dieback. Deadwood (>20cm). | **Retain** |
| **325** | *Eucalyptus microcorys* | Yes | 12 | 8 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **100%** | - | **Remove** |
| **326** | *Eucalyptus tereticornis* | Yes | 7 | 5 | Fair | Fair | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Major | **16%** | Canopy dieback. Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **327** | *Eucalyptus microcorys* | Yes | 16 | 8 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Minor | **2%** | - | **Retain** |
| **328** | *Eucalyptus botryoides* | Yes | 18 | 14 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Major | **15%** | - | **Retain** |
| **329** | *Eucalyptus amplifolia* | Yes | 10 | 9 | Good | Fair | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Minor | **9%** | Suppressed canopy. | **Retain** |
| **330** | *Eucalyptus botryoides* | Yes | 10 | 7 | Fair | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | Canopy dieback. | **Retain** |
| **331** | *Eucalyptus botryoides* | Yes | 10 | 12 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Major | **15%** | Cavity (>10cm). Deadwood (>10cm). | **Retain** |
| **332** | *Melaleuca quinquenervia* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 750 | - | - | 750 | 800 | 9.0 | 3.0 | Minor | **1%** | - | **Retain** |
| **333** | *Ficus rubiginosa* | Yes | 3 | 4 | Good | Good | Semi-mature | Low | Medium | Low | 150 | 100 | 100 | 210 | 200 | 2.5 | 1.7 | Major | **88%** | - | **Remove** |
| **334** | *Ficus rubiginosa* | Yes | 3 | 3 | Fair | Good | Semi-mature | Low | Medium | Low | 150 | 100 | 100 | 210 | 200 | 2.5 | 1.7 | Major | **78%** | Canopy dieback. | **Remove** |
| **335** | *Ficus rubiginosa* | Yes | 3 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 150 | 100 | 100 | 210 | 200 | 2.5 | 1.7 | Nil | **0%** | - | **Retain** |
| **336** | *Corymbia maculata* | Yes | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 750 | 7.2 | 2.9 | Nil | **0%** | Co-dominant stem removed at 1m. | **Retain** |
| **337** | *Melaleuca quinquenervia* | Yes | 6 | 10 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | - | **Retain** |
| **338** | *Melaleuca quinquenervia* | Yes | 6 | 10 | Good | Good | Mature | Medium | Medium | Medium | 700 | - | - | 700 | 750 | 8.4 | 2.9 | Nil | **0%** | - | **Retain** |
| **339** | *Eucalyptus sp.* | Yes | 5 | 6 | Fair | Poor | Mature | Low | Medium | Low | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Epicormic regrowth. Internodal pruning. Lopped for line clearance. | **Retain** |
| **340** | *Melaleuca quinquenervia* | Yes | 12 | 8 | Good | Fair | Mature | Medium | Medium | Medium | 700 | - | - | 700 | 750 | 8.4 | 2.9 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **341** | *Casuarina glauca* | Yes | 7 | 5 | Fair | Fair | Mature | Medium | Short | Low | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Basal decay. Canopy dieback. Trunk wounds. | **Retain** |
| **342** | *Casuarina glauca* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 350 | 150 | - | 380 | 430 | 4.6 | 2.3 | Nil | **0%** | - | **Retain** |
| **343** | *Casuarina glauca* | Yes | 12 | 12 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Major | **100%** | - | **Remove** |
| **344** | *Eucalyptus amplifolia* | Yes | 18 | 12 | Good | Fair | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 700 | 7.2 | 2.8 | Major | **13%** | - | **Retain** |
| **345** | *Eucalyptus tereticornis* | Yes | 16 | 7 | Good | Good | Mature | Medium | Medium | Medium | 400 | - | - | 400 | 450 | 4.8 | 2.4 | Nil | **0%** | - | **Retain** |
| **346** | *Eucalyptus tereticornis* | Yes | 12 | 8 | Fair | Fair | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Minor | **9%** | Canopy dieback. | **Retain** |
| **347** | *Eucalyptus tereticornis* | Yes | 16 | 8 | Poor | Fair | Mature | Medium | Short | Low | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Minor | **6%** | 50% of the tree is dead. Severe canopy dieback. | **Retain** |
| **348** | *Casuarina glauca* | Yes | 7 | 5 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Previous failure. | **Retain** |
| **349** | *Casuarina glauca* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | - | **Retain** |
| **350** | *Eucalyptus tereticornis* | Yes | 16 | 12 | Good | Fair | Mature | Medium | Medium | Medium | 550 | 550 | 100 | 780 | 830 | 9.4 | 3.1 | Major | **29%** | Cavity (>10cm). Multiple trunk wounds. Previous failure. | **Remove** |
| **351** | *Casuarina glauca* | Yes | 16 | 14 | Good | Good | Mature | Medium | Medium | Medium | 650 | - | - | 650 | 700 | 7.8 | 2.8 | Nil | **0%** | - | **Retain** |
| **352** | *Casuarina glauca* | Yes | 16 | 7 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **353** | *Eucalyptus microcorys* | Yes | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |
| **354** | *Eucalyptus amplifolia* | Yes | 18 | 12 | Good | Fair | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | Trunk decay. Trunk wounds. | **Retain** |
| **355** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **356** | *Eucalyptus amplifolia* | Yes | 12 | 9 | Good | Good | Mature | Medium | Medium | Medium | 450 | - | - | 450 | 500 | 5.4 | 2.5 | Nil | **0%** | - | **Retain** |
| **357** | *Casuarina glauca* | Yes | 10 | 3 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Minor canopy dieback. | **Retain** |
| **358** | *Casuarina glauca* | Yes | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **359** | *Casuarina glauca* | Yes | 14 | 5 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Nil | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **360** | *Casuarina glauca* | Yes | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **361** | *Eucalyptus amplifolia* | Yes | 9 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **362** | *Eucalyptus amplifolia* | Yes | 16 | 10 | Good | Good | Mature | Medium | Medium | Medium | 500 | - | - | 500 | 550 | 6.0 | 2.6 | Nil | **0%** | - | **Retain** |
| **363** | *Eucalyptus microcorys* | Yes | 10 | 8 | Fair | Good | Mature | Medium | Short | Low | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | Canopy dieback. Suppressed canopy. | **Retain** |
| **364** | *Casuarina glauca* | Yes | 8 | 2 | Poor | Poor | Mature | Low | Short | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | 75% of the tree is dead. Tree is in severe decline. | **Retain** |
| **365** | *Eucalyptus microcorys* | Yes | 8 | 6 | Poor | Fair | Mature | Medium | Short | Low | 150 | 150 | 100 | 230 | 250 | 2.8 | 1.8 | Nil | **0%** | Severe canopy dieback. Tree is in decline. | **Retain** |
| **366** | *Eucalyptus amplifolia* | Yes | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | - | **Retain** |
| **367** | *Eucalyptus sp.* | No | 14 | 9 | Good | Good | Mature | Medium | Medium | Medium | 600 | - | - | 600 | 650 | 7.2 | 2.8 | Nil | **0%** | - | **Retain** |
| **368** | *Casuarina glauca* | No | 6 | 3 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **369** | *Casuarina glauca* | No | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 350 | 150 | - | 380 | 450 | 4.6 | 2.4 | Nil | **0%** | - | **Retain** |
| **370** | *Casuarina glauca* | No | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | - | 290 | 300 | 3.5 | 2.0 | Nil | **0%** | - | **Retain** |
| **371** | *Casuarina glauca* | No | 4 | 2 | Good | Good | Mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Previous failure. | **Retain** |
| **372** | *Casuarina glauca* | No | 8 | 2 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | - | 140 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **373** | *Casuarina glauca* | No | 5 | 3 | Fair | Good | Mature | Medium | Medium | Medium | 100 | 100 | - | 140 | 150 | 2.0 | 1.5 | Nil | **0%** | Internodal pruning. Lopped for line clearance | **Retain** |
| **374** | *Casuarina glauca* | No | 7 | 2 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | Pruned for line clearance | **Retain** |
| **375** | *Melaleuca quinquenervia* | No | 4 | 3 | Fair | Fair | Semi-mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 150 | 2.0 | 1.5 | Nil | **0%** | Suppressed canopy. | **Retain** |
| **376** | *Melaleuca linariifolia* | No | 6 | 3 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 260 | 2.5 | 1.9 | Nil | **0%** | - | **Retain** |
| **377** | *Ekebergia capensis* | No | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | 100 | 170 | 250 | 2.0 | 1.8 | Nil | **0%** | - | **Retain** |
| **378** | *Melaleuca linariifolia* | No | 6 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | 150 | 150 | 370 | 350 | 4.4 | 2.1 | Nil | **0%** | - | **Retain** |
| **379** | *Casuarina glauca* | No | 6 | 1 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **380** | *Casuarina glauca* | No | 10 | 2 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **381** | *Casuarina glauca* | No | 10 | 3 | Good | Fair | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 350 | 3.0 | 2.1 | Nil | **0%** | Leaders pruned for line clearance. | **Retain** |
| **382** | *Casuarina glauca* | No | 7 | 3 | Good | Fair | Mature | Medium | Medium | Medium | 200 | 150 | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | Pruned for line clearance. | **Retain** |
| **383** | *Casuarina glauca* | No | 12 | 2 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **384** | *Casuarina glauca* | No | 5 | 3 | Fair | Poor | Semi-mature | Low | Short | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | 50% of the tree is dead. | **Retain** |
| **385** | *Casuarina glauca* | No | 5 | 4 | Fair | Poor | Mature | Low | Short | Low | 100 | 100 | - | 140 | 200 | 2.0 | 1.7 | Nil | **0%** | 50% of the tree is dead. Multiple previous failures. | **Retain** |
| **386** | *Eucalyptus microcorys* | No | 5 | 4 | Fair | Fair | Semi-mature | Low | Medium | Medium | 100 | 100 | - | 140 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **387** | *Eucalyptus microcorys* | No | 14 | 7 | Fair | Fair | Mature | Low | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | Nil | **0%** | Epicormic regrowth. Pruned for line clearance. | **Retain** |
| **388** | *Callistemon viminalis* | No | 5 | 5 | Fair | Fair | Mature | Medium | Medium | Medium | 150 | 100 | - | 180 | 230 | 2.2 | 1.8 | Nil | **0%** | - | **Retain** |
| **389** | *Eucalyptus microcorys* | No | 14 | 8 | Fair | Fair | Mature | Medium | Medium | Medium | 450 | 350 | 200 | 600 | 600 | 7.2 | 2.7 | Nil | **0%** | Canopy dieback. Deadwood (>10cm). | **Retain** |
| **390** | *Melaleuca quinquenervia* | No | 5 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 200 | 2.5 | 1.7 | Nil | **0%** | - | **Retain** |
| **391** | *Callistemon viminalis* | No | 3 | 3 | Good | Good | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **392** | *Casuarina glauca* | No | 6 | 5 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 200 | 2.4 | 1.7 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **393** | *Casuarina glauca* | No | 7 | 3 | Good | Poor | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 300 | 2.0 | 2.0 | Nil | **0%** | Regrowth of approx. 20 stems from stump. | **Retain** |
| **394** | *Ficus rubiginosa* | No | 16 | 18 | Good | Good | Mature | High | Medium | High | 1200 | - | - | 1200 | 1250 | 14.4 | 3.6 | Major | **14%** | Neighbouring tree, buttress extends into site. | **Retain** |
| **395** | *Ficus rubiginosa* | No | 16 | 18 | Good | Good | Mature | High | Medium | High | 2000 | - | - | 2000 | 2050 | 15.0 | 4.5 | Major | **38%** | Neighbouring tree, approx 7m from boundary. | **Remove** |
| **396** | *Podocarpus elatus* | No | 5 | 4 | Good | Good | Mature | Medium | Medium | Medium | 100 | 100 | 100 | 170 | 250 | 2.0 | 1.8 | Minor | **8%** | - | **Retain** |
| **397** | *Ekebergia capensis* | No | 4 | 4 | Fair | Good | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 150 | 2.0 | 1.5 | Minor | **4%** | Basal decay. Minor canopy dieback. | **Retain** |
| **398** | *Syzygium sp.* | No | 5 | 5 | Good | Good | Mature | Low | Medium | Medium | 100 | 100 | 100 | 170 | 250 | 2.0 | 1.8 | Nil | **0%** | - | **Retain** |
| **399** | *Eucalyptus tereticornis* | No | 7 | 5 | Good | Poor | Mature | Low | Medium | Low | 150 | 150 | 100 | 230 | 280 | 2.8 | 1.9 | Nil | **0%** | Regrowth from stump. | **Retain** |
| **400** | *Callistemon viminalis* | No | 6 | 6 | Good | Good | Mature | Low | Medium | Medium | 100 | 100 | 100 | 170 | 300 | 2.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **401** | *Callistemon viminalis* | No | 5 | 3 | Good | Good | Mature | Low | Medium | Medium | 100 | 100 | - | 140 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **402** | *Archontophoenix cunninghamiana* | No | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **100%** | - | **Remove** |
| **403** | *Corymbia ficifolia* | No | 10 | 9 | Fair | Fair | Mature | Medium | Medium | Medium | 350 | 350 | 200 | 530 | 700 | 6.4 | 2.8 | Major | **66%** | Canopy dieback. Cavity (>20cm). Deadwood (>20cm). Trunk decay. Trunk wounds. | **Remove** |
| **404** | *Leptospermum sp.* | No | 4 | 7 | Good | Good | Mature | Low | Medium | Low | 150 | 100 | 100 | 210 | 250 | 2.5 | 1.8 | Nil | **0%** | - | **Retain** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **405** | *Leptospermum sp.* | No | 4 | 6 | Good | Good | Mature | Low | Medium | Low | 200 | 150 | 100 | 270 | 350 | 3.2 | 2.1 | Nil | **0%** | - | **Retain** |
| **406** | *Brachychiton acerifolius* | No | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **407** | *Jacaranda mimosifolia* | No | 6 | 9 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **408** | *Melaleuca quinquenervia* | No | 10 | 9 | Good | Good | Mature | Medium | Medium | Medium | 550 | 450 | - | 710 | 760 | 8.5 | 2.9 | Nil | **0%** | - | **Retain** |
| **409** | *Brachychiton acerifolius* | No | 3 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Nil | **0%** | - | **Retain** |
| **410** | *Brachychiton acerifolius* | No | 3 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **411** | *Banksia integrifolia* | No | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | 150 | - | 290 | 250 | 3.5 | 1.8 | Nil | **0%** | - | **Retain** |
| **412** | *Cupaniopsis anacardioides* | No | 5 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **413** | *Cupaniopsis anacardioides* | No | 6 | 7 | Good | Good | Mature | Medium | Medium | Medium | 300 | 150 | 150 | 370 | 400 | 4.4 | 2.3 | Nil | **0%** | - | **Retain** |
| **414** | *Banksia integrifolia* | No | 5 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **415** | *Banksia integrifolia* | No | 6 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **416** | *Podocarpus elatus* | No | 5 | 3 | Good | Good | Semi-mature | Low | Medium | Medium | 100 | 100 | - | 140 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **417** | *Banksia integrifolia* | No | 5 | 2 | Good | Good | Mature | Low | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **418** | *Podocarpus elatus* | No | 4 | 4 | Good | Good | Semi-mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | - | **Retain** |
| **419** | *Psidium sp.* | No | 8 | 7 | Good | Good | Mature | Medium | Medium | Medium | 250 | 250 | - | 350 | 350 | 4.2 | 2.1 | Major | **71%** | - | **Remove** |
| **420** | *Lagunaria petersonii* | No | 8 | 6 | Good | Good | Mature | Medium | Medium | Medium | 250 | 100 | - | 270 | 320 | 3.2 | 2.1 | Major | **49%** | - | **Remove** |
| **421** | *Casuarina glauca* | No | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **42%** | - | **Remove** |
| **422** | *Lagunaria petersonii* | No | 8 | 4 | Good | Good | Mature | Low | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Major | **56%** | - | **Remove** |
| **423** | *Melaleuca quinquenervia* | No | 8 | 2 | Fair | Fair | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Nil | **0%** | Canopy dieback. Suppressed canopy. | **Retain** |
| **424** | *Pittosporum undulatum* | No | 12 | 7 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Nil | **0%** | - | **Retain** |
| **425** | *Melia azedarach* | No | 6 | 4 | Fair | Fair | Mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Nil | **0%** | Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **426** | *Melia azedarach* | No | 7 | 5 | Fair | Fair | Mature | Low | Medium | Low | 250 | 150 | - | 290 | 340 | 3.5 | 2.1 | Nil | **0%** | Canopy dieback. Suppressed canopy. Tree is growing on a lean. | **Retain** |
| **427** | *Casuarina glauca* | No | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **34%** | - | **Remove** |
| **428** | *Syncarpia glomulifera* | No | 7 | 6 | Good | Fair | Mature | Medium | Medium | Medium | 300 | 250 | 150 | 420 | 450 | 5.0 | 2.4 | Major | **56%** | Suppressed canopy. Tree is growing on a lean. | **Remove** |
| **429** | *Casuarina glauca* | No | 8 | 2 | Good | Good | Semi-mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Major | **100%** | - | **Remove** |
| **430** | *Casuarina glauca* | No | 10 | 6 | Good | Fair | Mature | Medium | Medium | Medium | 150 | 150 | 150 | 260 | 450 | 3.1 | 2.4 | Major | **100%** | Co-dominant from ground level, approx. 8 stems. | **Remove** |
| **431** | *Alphitonia excelsa* | No | 7 | 7 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **100%** | - | **Remove** |
| **432** | *Eucalyptus pilularis* | No | 12 | 10 | Good | Good | Mature | Medium | Medium | Medium | 400 | 250 | - | 470 | 520 | 5.6 | 2.5 | Major | **100%** | - | **Remove** |
| **433** | *Casuarina glauca* | No | 12 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **100%** | - | **Remove** |
| **434** | *Casuarina glauca* | No | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 450 | 3.6 | 2.4 | Major | **100%** | - | **Remove** |
| **435** | *Alphitonia excelsa* | No | 5 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **436** | *Podocarpus elatus* | No | 5 | 5 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **437** | *Casuarina glauca* | No | 10 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Major | **100%** | - | **Remove** |
| **438** | *Casuarina glauca* | No | 9 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Major | **100%** | - | **Remove** |
| **439** | *Alphitonia excelsa* | No | 5 | 3 | Good | Fair | Mature | Low | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Major | **100%** | - | **Remove** |
| **440** | *Alphitonia excelsa* | No | 9 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Major | **100%** | - | **Remove** |
| **441** | *Glochidion ferdinandi* | No | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **100%** | - | **Remove** |
| **442** | *Casuarina glauca* | No | 14 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | Major | **100%** | - | **Remove** |
| **443** | *Podocarpus elatus* | No | 6 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **444** | *Podocarpus elatus* | No | 6 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **445** | *Alphitonia excelsa* | No | 12 | 4 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **100%** | - | **Remove** |
| **446** | *Casuarina glauca* | No | 9 | 4 | Good | Good | Mature | Medium | Medium | Medium | 300 | 100 | - | 320 | 370 | 3.8 | 2.2 | Major | **100%** | - | **Remove** |
| **447** | *Glochidion ferdinandi* | No | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 150 | 100 | 230 | 250 | 2.8 | 1.8 | Major | **100%** | - | **Remove** |
| **448** | *Casuarina glauca* | No | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 300 | 150 | - | 340 | 390 | 4.1 | 2.2 | Major | **100%** | - | **Remove** |
| **449** | *Casuarina glauca* | No | 10 | 6 | Good | Good | Mature | Medium | Medium | Medium | 350 | - | - | 350 | 400 | 4.2 | 2.3 | Major | **100%** | - | **Remove** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **450** | *Eucalyptus pilularis* | No | 16 | 12 | Good | Good | Mature | Medium | Medium | Medium | 550 | - | - | 550 | 600 | 6.6 | 2.7 | **Major** | **100%** | - | **Remove** |
| **451** | *Glochidion ferdinandi* | No | 7 | 4 | Good | Good | Mature | Low | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | **Major** | **100%** | - | **Remove** |
| **452** | *Podocarpus elatus* | No | 8 | 3 | Good | Good | Mature | Low | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **453** | *Ligustrum sp.* | No | 7 | 4 | Good | Good | Mature | Low | Medium | Low | 200 | 100 | 100 | 240 | 290 | 2.9 | 2.0 | **Major** | **100%** | - | **Remove** |
| **454** | *Glochidion ferdinandi* | No | 9 | 7 | Good | Good | Mature | Medium | Medium | Medium | 250 | 200 | - | 320 | 370 | 3.8 | 2.2 | **Major** | **100%** | - | **Remove** |
| **455** | *Ligustrum sp.* | No | 4 | 3 | Good | Fair | Mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 220 | 2.0 | 1.8 | **Major** | **100%** | - | **Remove** |
| **456** | *Podocarpus elatus* | No | 8 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | 100 | 210 | 260 | 2.5 | 1.9 | **Major** | **100%** | - | **Remove** |
| **457** | *Syzygium sp.* | No | 9 | 6 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **458** | *Podocarpus elatus* | No | 6 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Major** | **100%** | - | **Remove** |
| **459** | *Syzygium sp.* | No | 8 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Major** | **100%** | - | **Remove** |
| **460** | *Syzygium sp.* | No | 10 | 9 | Good | Good | Mature | Medium | Medium | Medium | 200 | 150 | - | 250 | 300 | 3.0 | 2.0 | **Major** | **100%** | - | **Remove** |
| **461** | *Ligustrum lucidum* | No | 8 | 7 | Good | Good | Mature | Low | Medium | Low | 150 | 150 | 150 | 260 | 310 | 3.1 | 2.0 | **Major** | **100%** | - | **Remove** |
| **462** | *Ligustrum lucidum* | No | 8 | 4 | Good | Good | Mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **463** | *Podocarpus elatus* | No | 5 | 4 | Good | Good | Semi-mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **464** | *Triadica sebifera* | No | 7 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **465** | *Eucalyptus saligna* | No | 20 | 18 | Good | Good | Mature | Medium | Medium | High | 700 | - | - | 700 | 750 | 8.4 | 2.9 | **Major** | **100%** | - | **Remove** |
| **466** | *Syzygium sp.* | No | 5 | 4 | Good | Fair | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Major** | **100%** | Suppressed canopy. | **Remove** |
| **467** | *Syzygium sp.* | No | 5 | 3 | Good | Fair | Mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Major** | **100%** | Suppressed canopy. | **Remove** |
| **468** | *Syncarpia glomulifera* | No | 8 | 5 | Good | Good | Mature | Medium | Medium | Medium | 300 | - | - | 300 | 350 | 3.6 | 2.1 | **Major** | **100%** | - | **Remove** |
| **469** | *Triadica sebifera* | No | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | 100 | - | 180 | 230 | 2.2 | 1.8 | **Major** | **100%** | - | **Remove** |
| **470** | *Podocarpus elatus* | No | 5 | 5 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **100%** | - | **Remove** |
| **471** | *Glochidion ferdinandi* | No | 7 | 6 | Good | Good | Mature | Medium | Medium | Medium | 200 | 150 | - | 250 | 300 | 3.0 | 2.0 | **Major** | **100%** | - | **Remove** |
| **472** | *Podocarpus elatus* | No | 6 | 4 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Major** | **100%** | - | **Remove** |
| **473** | *Podocarpus elatus* | No | 3 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Major** | **100%** | - | **Remove** |
| **474** | *Casuarina glauca* | No | 6 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Nil** | **0%** | Internodal pruning. Lopped for line clearance. | **Retain** |
| **475** | *Casuarina glauca* | No | 7 | 4 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Nil** | **0%** | Suppressed canopy. | **Retain** |
| **476** | *Lophostemon confertus* | No | 12 | 10 | Good | Good | Mature | Medium | Medium | Medium | 400 | 250 | 250 | 530 | 580 | 6.4 | 2.6 | **Nil** | **0%** | - | **Retain** |
| **477** | *Casuarina glauca* | No | 10 | 1 | Good | Fair | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Nil** | **0%** | Suppressed canopy. | **Retain** |
| **478** | *Casuarina glauca* | No | 4 | 2 | Good | Fair | Semi-mature | Low | Short | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | Lopped for line clearance. | **Retain** |
| **479** | *Podocarpus elatus* | No | 5 | 3 | Good | Good | Semi-mature | Medium | Medium | Medium | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Nil** | **0%** | - | **Retain** |
| **480** | *Syzygium sp.* | No | 5 | 2 | Good | Good | Mature | Low | Medium | Medium | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Nil** | **0%** | - | **Retain** |
| **481** | *Cupaniopsis anacardioides* | No | 6 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | - | **Retain** |
| **482** | *Casuarina glauca* | No | 6 | 2 | Good | Good | Semi-mature | Low | Medium | Medium | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | **Nil** | **0%** | - | **Retain** |
| **483** | *Casuarina glauca* | No | 6 | 1 | Good | Good | Semi-mature | Low | Medium | Medium | 100 | 100 | 100 | 170 | 200 | 2.0 | 1.7 | **Nil** | **0%** | - | **Retain** |
| **484** | *Grevillea robusta* | No | 5 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | - | **Retain** |
| **485** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | - | **Retain** |
| **486** | *Podocarpus elatus* | No | 7 | 3 | Good | Fair | Semi-mature | Medium | Medium | Medium | 100 | 100 | 100 | 170 | 220 | 2.0 | 1.8 | **Nil** | **0%** | Severe included bark junction. | **Retain** |
| **487** | *Casuarina glauca* | No | 8 | 2 | Good | Good | Semi-mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Nil** | **0%** | - | **Retain** |
| **488** | *Casuarina glauca* | No | 8 | 1 | Good | Good | Semi-mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | **Nil** | **0%** | - | **Retain** |
| **489** | *Casuarina glauca* | No | 7 | 1 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | - | **Retain** |
| **490** | *Eucalyptus robusta* | No | 7 | 2 | Poor | Poor | Semi-mature | Low | Short | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | Crown is dead above 1m. Deadwood (>10cm). Severe canopy dieback. | **Retain** |
| **491** | *Podocarpus elatus* | No | 6 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | - | **Retain** |
| **492** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Major** | **16%** | Suppressed canopy. Unsuitable location. | **Retain** |
| **493** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | **Nil** | **0%** | - | **Retain** |
| **494** | *Casuarina glauca* | No | 3 | 5 | Good | Fair | Semi-mature | Low | Medium | Low | 150 | - | - | 150 | 200 | 2.0 | 1.7 | **Major** | **22%** | Suppressed canopy. Tree is growing on a lean. | **Remove** |

| Id. | Botanical name | Surveyed (yes / no) | Height (metres) | Spread (metres diameter) | Health | Structure | Age class | Tree significance | Useful life expectancy | Priority for retention | DBH 1 (millimetres diameter) | DBH 2 (millimetres diameter) | DBH 3 (millimetres diameter) | DBH Combined (millimetres diameter) | DRB (millimetres diameter) | TPZ (metres radius) | SRZ (metres radius) | Encroachment | % Encroachment within TPZ | Other notes | Proposal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **495** | *Lagunaria petersonii* | No | 12 | 3 | Good | Good | Mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Nil | **0%** | - | **Retain** |
| **496** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **497** | *Podocarpus elatus* | No | 4 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Nil | **0%** | - | **Retain** |
| **498** | *Lagunaria petersonii* | No | 5 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Nil | **0%** | - | **Retain** |
| **499** | *Eucalyptus robusta* | No | 5 | 4 | Good | Fair | Semi-mature | Medium | Medium | Medium | 200 | - | - | 200 | 250 | 2.4 | 1.8 | Major | **40%** | Multiple trunk wounds. Suppressed canopy. | **Remove** |
| **500** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Minor | **1%** | - | **Retain** |
| **501** | *Lagunaria petersonii* | No | 10 | 5 | Good | Good | Mature | Medium | Medium | Medium | 250 | - | - | 250 | 300 | 3.0 | 2.0 | Nil | **0%** | - | **Retain** |
| **502** | *Podocarpus elatus* | No | 4 | 1 | Good | Good | Juvenile | Low | Medium | Low | 100 | 100 | 100 | 170 | 220 | 2.0 | 1.8 | Nil | **0%** | Severe included bark junction. | **Retain** |
| **503** | *Syzygium sp.* | No | 5 | 1 | Poor | Good | Semi-mature | Low | Medium | Low | 100 | 100 | - | 140 | 190 | 2.0 | 1.6 | Minor | **3%** | Canopy dieback. Suppressed canopy. | **Retain** |
| **504** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Major | **100%** | Suppressed canopy. | **Remove** |
| **505** | *Glochidion ferdinandi* | No | 6 | 1 | Fair | Fair | Mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **506** | *Podocarpus elatus* | No | 6 | 2 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Major | **100%** | - | **Remove** |
| **507** | *Glochidion ferdinandi* | No | 7 | 3 | Fair | Fair | Mature | Low | Medium | Medium | 150 | 100 | - | 180 | 230 | 2.2 | 1.8 | Major | **100%** | - | **Remove** |
| **508** | *Glochidion ferdinandi* | No | 5 | 2 | Good | Good | Juvenile | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **75%** | - | **Remove** |
| **509** | *Glochidion ferdinandi* | No | 6 | 3 | Good | Good | Semi-mature | Low | Medium | Low | 100 | 100 | 100 | 170 | 220 | 2.0 | 1.8 | Nil | **0%** | Minor canopy dieback. Suppressed canopy. | **Retain** |
| **510** | *Podocarpus elatus* | No | 5 | 2 | Good | Good | Semi-mature | Low | Medium | Low | 100 | - | - | 100 | 150 | 2.0 | 1.5 | Major | **100%** | - | **Remove** |
| **511** | *Podocarpus elatus* | No | 7 | 3 | Good | Good | Mature | Medium | Medium | Medium | 150 | - | - | 150 | 200 | 2.0 | 1.7 | Major | **100%** | - | **Remove** |

# 4 Discussion

## 4.1 Nil encroachment

A total of **340** trees will be subject to no encroachment within the TPZ:

- **Retain:** A total of **340** trees are located outside of the proposed construction footprint. No impacts on these trees are foreseeable under the current proposal.
- **Remove:** No trees within the category of “nil encroachment” are proposed for removal.

## 4.2 Minor encroachment

A total of **24** trees will be subject to a minor encroachment of less than 10% within the TPZ:

- **Retain:** A total of **24** trees will be subject to a minor encroachment of less than 10% within the TPZ. The encroachment is highly unlikely to impact the overall health or condition of these trees. Several site-specific mitigations for these encroachments have been outlined in the Tree Protection Plan. Under the current proposal, these trees can be successfully retained.
- **Remove:** No trees within the category of “minor encroachment” are proposed for removal.

## 4.3 Major encroachment

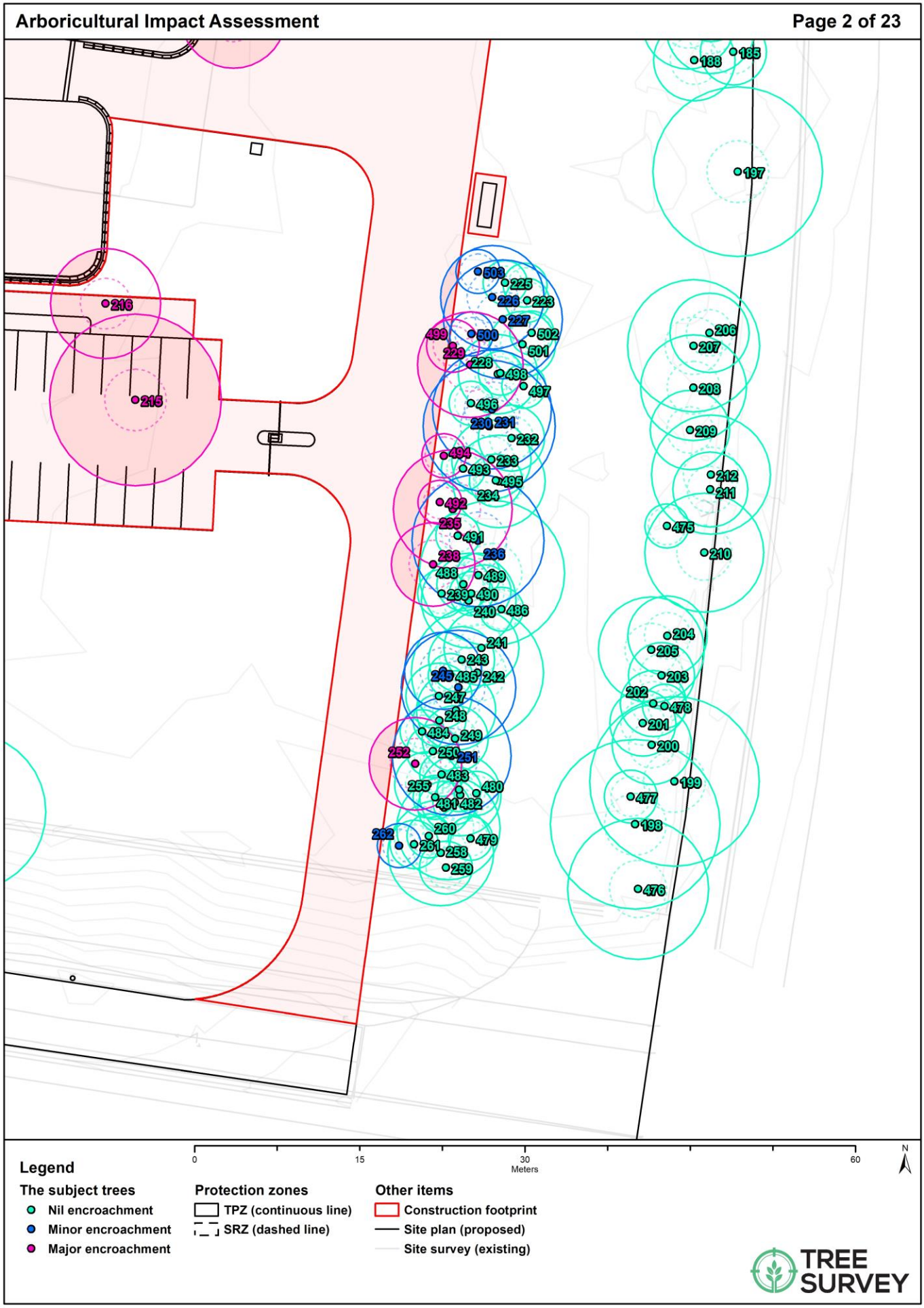
A total of **147** trees will be subject to a major encroachment of greater than 10% within the TPZ:

- **Retain:** A total of **15** trees will be subject to a major encroachment within the TPZ. Encroachment of up to 20% on one side of the tree (linear excavation) can be achieved without significantly impacting the health or stability of the tree (Roberts, Jackson and Smith 2006, p.295[2]; Costello, Watson and Smiley 2017, p.21[3]). Several site-specific mitigations for these encroachments have been outlined in the Tree Protection Plan. Under the current proposal, these trees can be successfully retained.
- **Remove:** A total of **132** trees will be subject to a major encroachment of greater than 20% within the TPZ. Encroachment of greater than 20% can begin to impact the structural root zone (SRZ) and is more likely to compromise tree stability” (Costello, Watson, and Smiley (2017, p.21[3]). Impacts within the SRZ are not recommended as it may lead to the destabilisation and/or decline of the tree. These trees are located inside or directly adjacent to the proposed construction footprint and cannot be retained under the current proposal.

[2] Roberts, J., Jackson, N. and Smith, D. (2006). Tree roots in the built environment.

[3] Costello, L., Watson, G. and Smiley, E., 2017. Root Management. International Society of Arboriculture.

**Arboricultural Impact Assessment** **Page 1 of 23**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The subject trees
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Minor encroachment
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Protection zones
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SRZ (dashed line)
Other items
Construction footprint
Site plan (proposed)
Site survey (existing)
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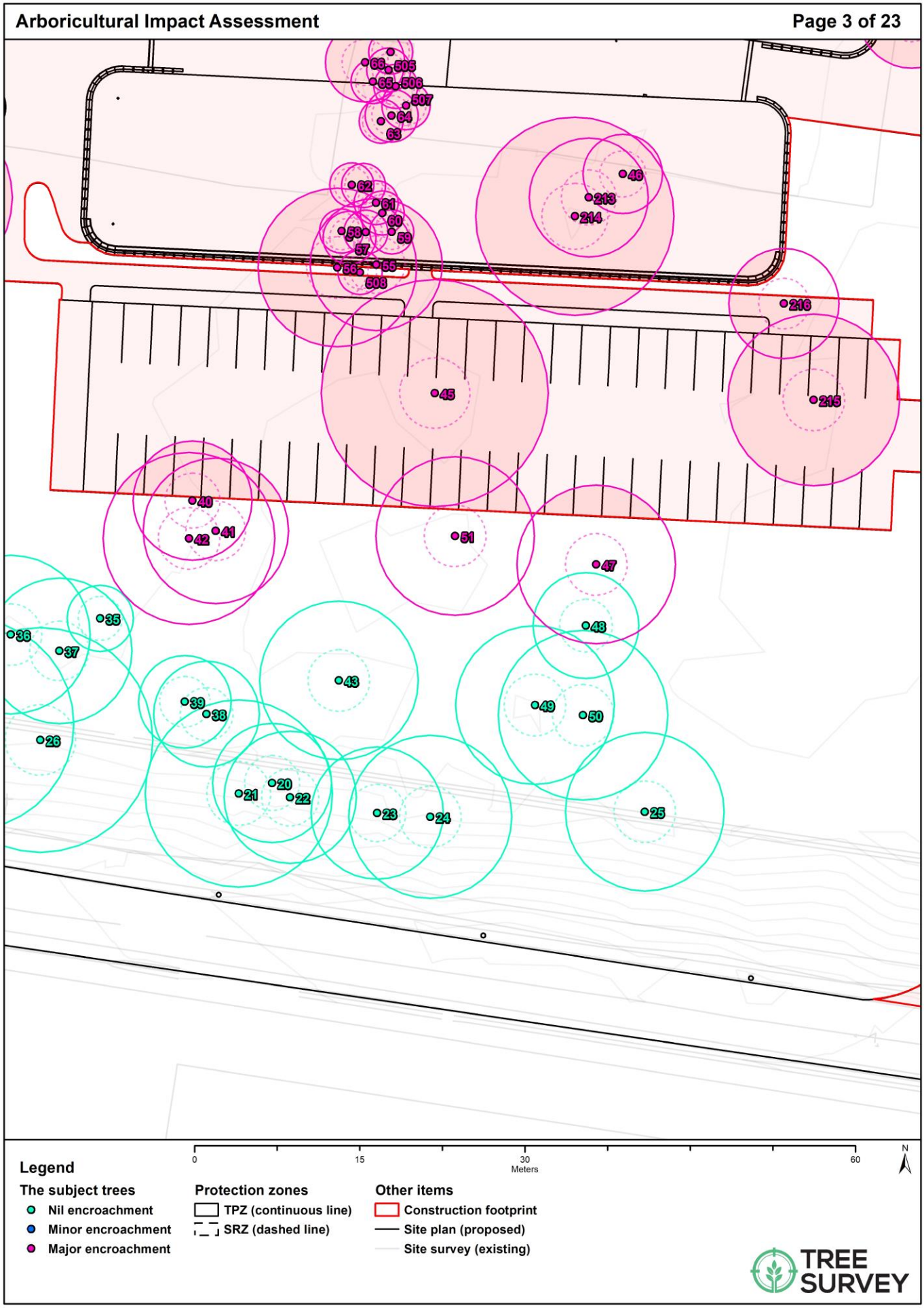
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Minor encroachment
Major encroachment
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Site survey (existing)
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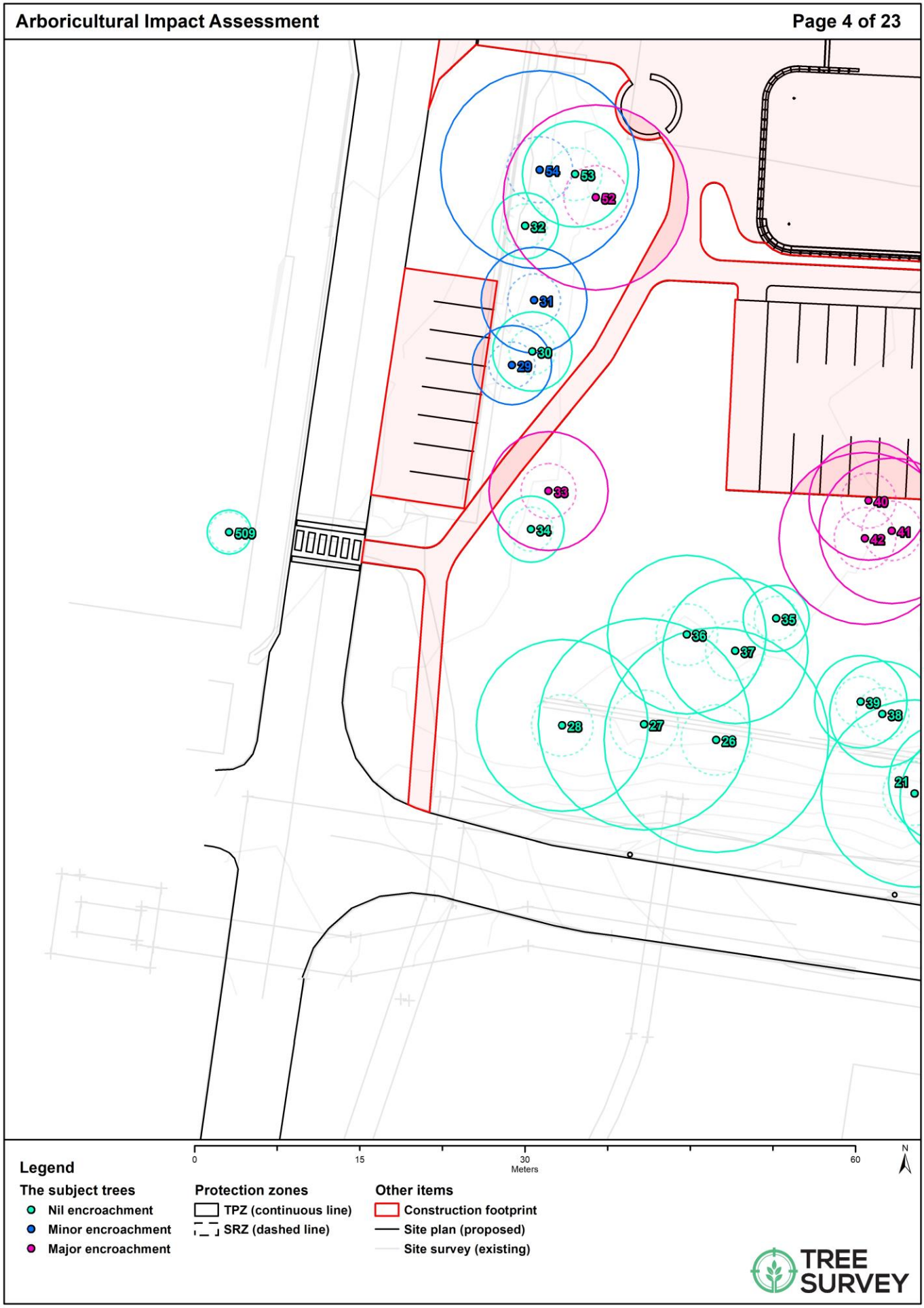
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The subject trees
Nil encroachment
Minor encroachment
Major encroachment
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Other items
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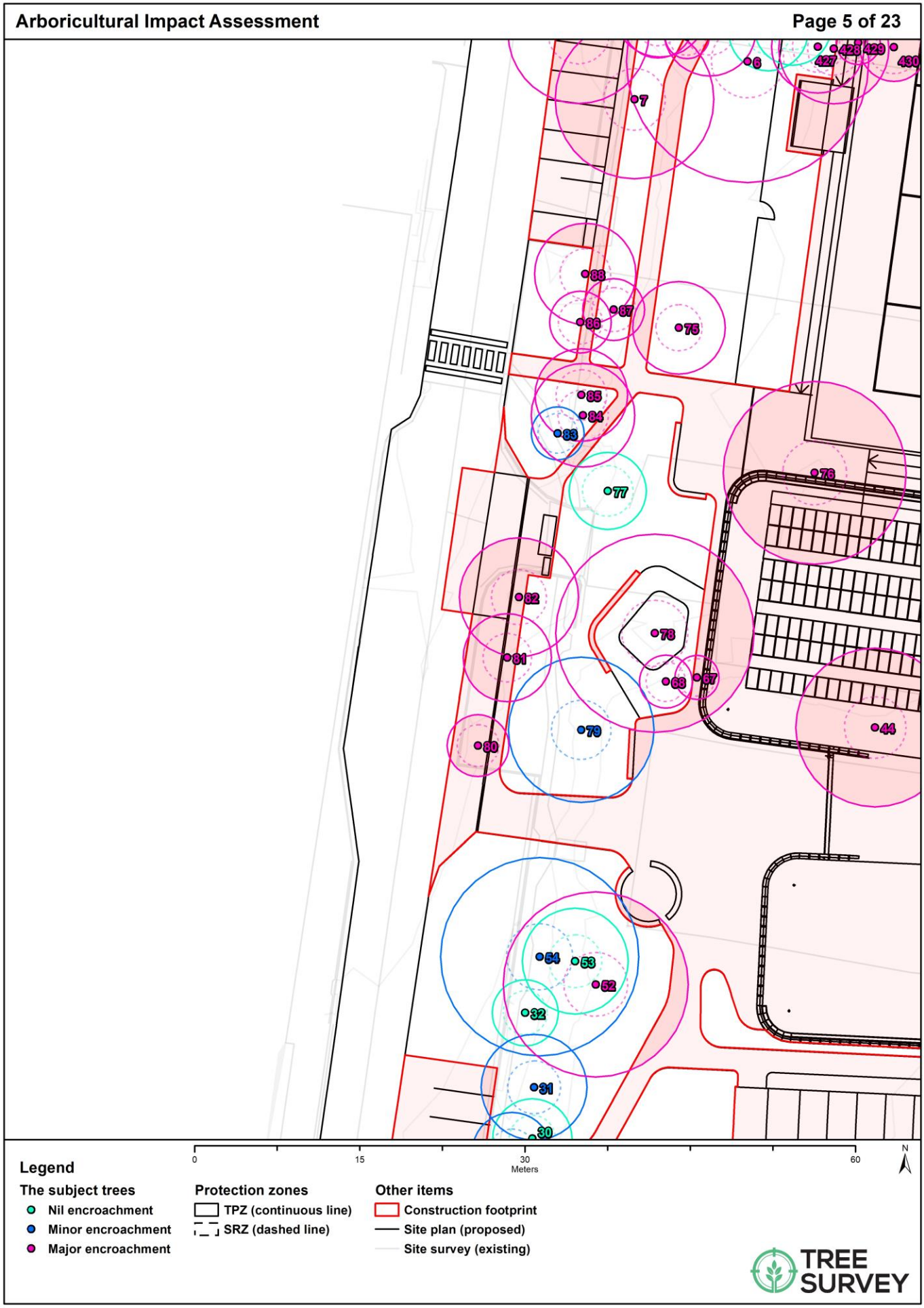
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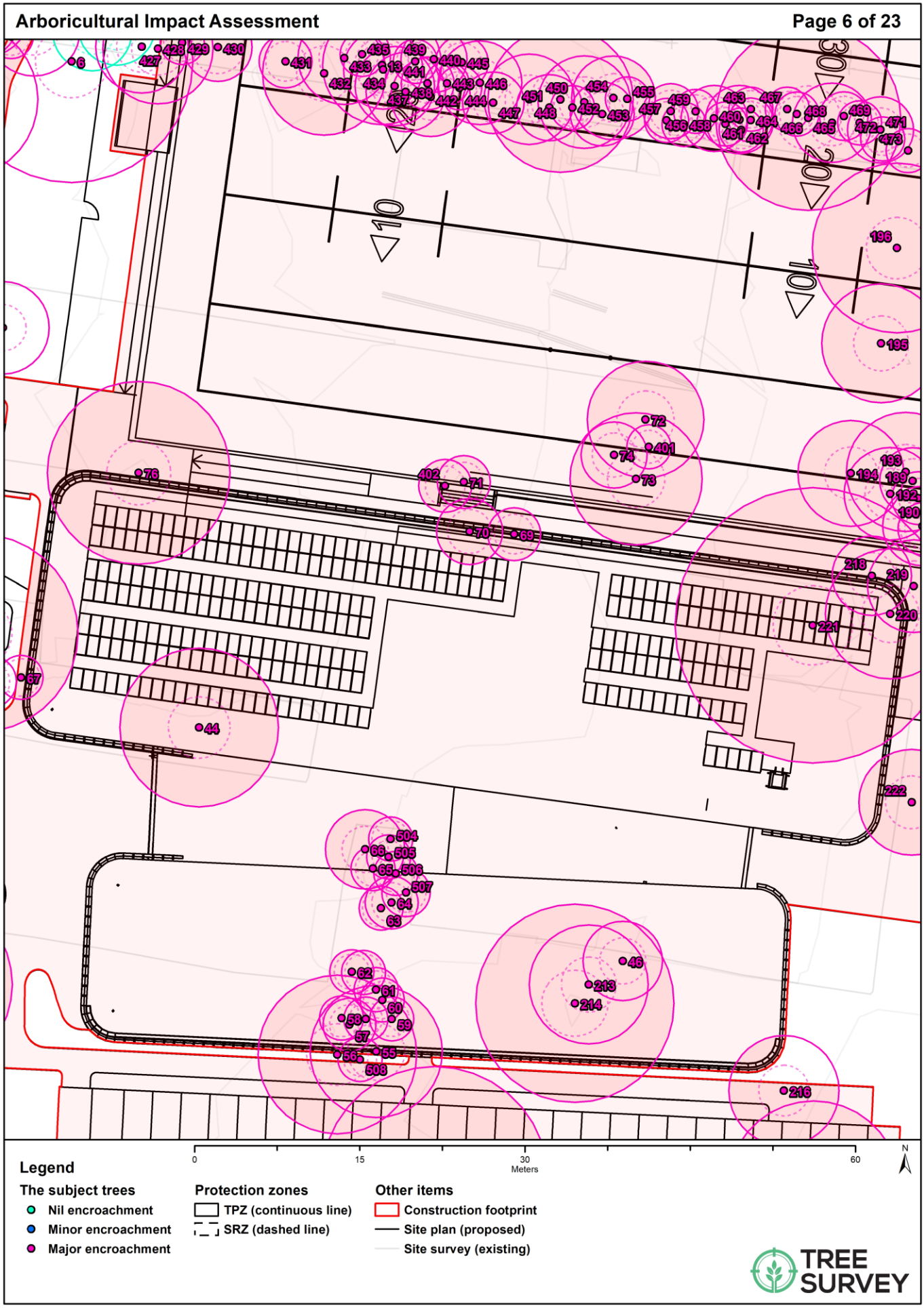
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Protection zones
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TREE SURVEY


Arboricultural Impact Assessment
Page 7 of 23
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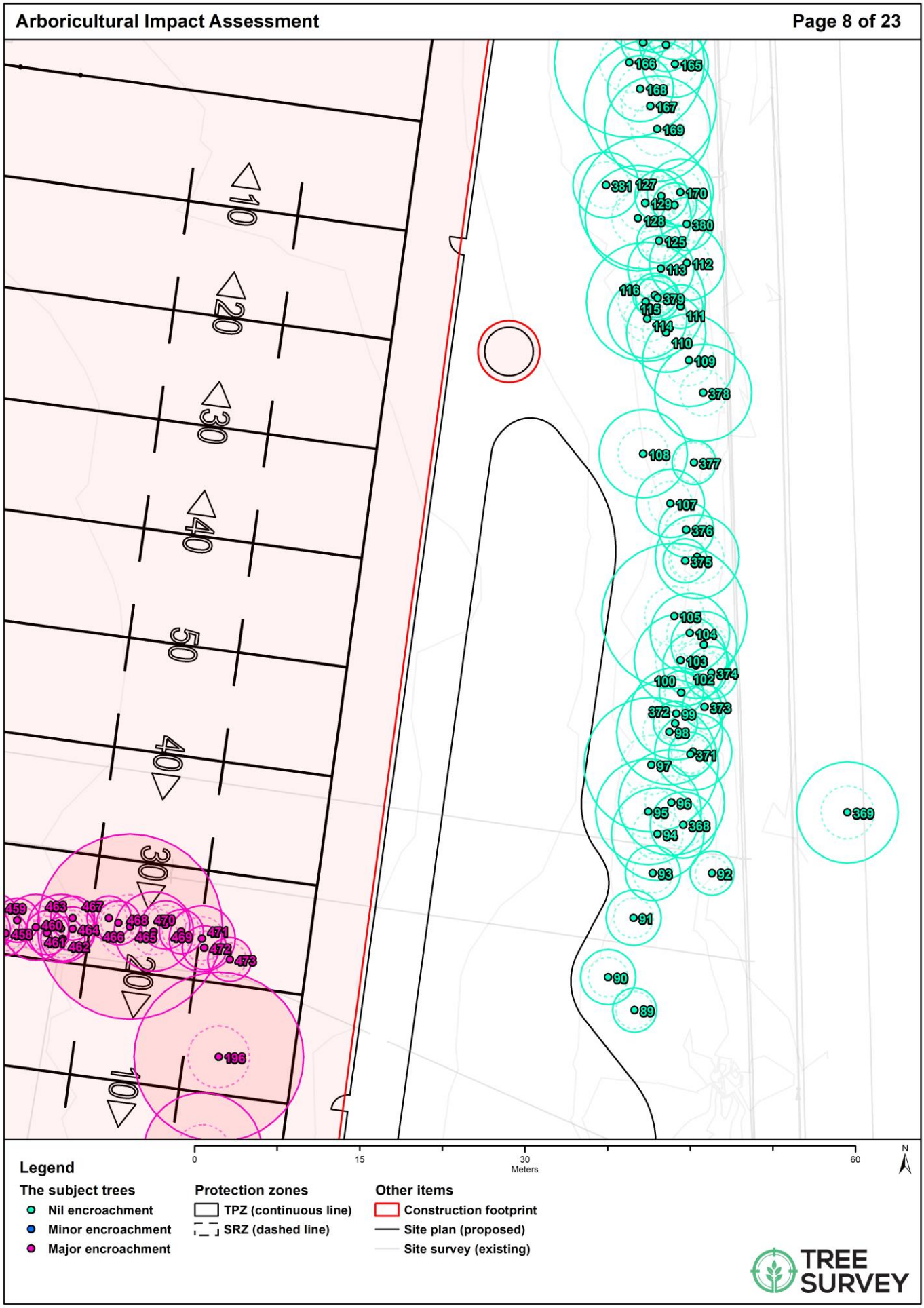
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Arboricultural Impact Assessment
Page 9 of 23
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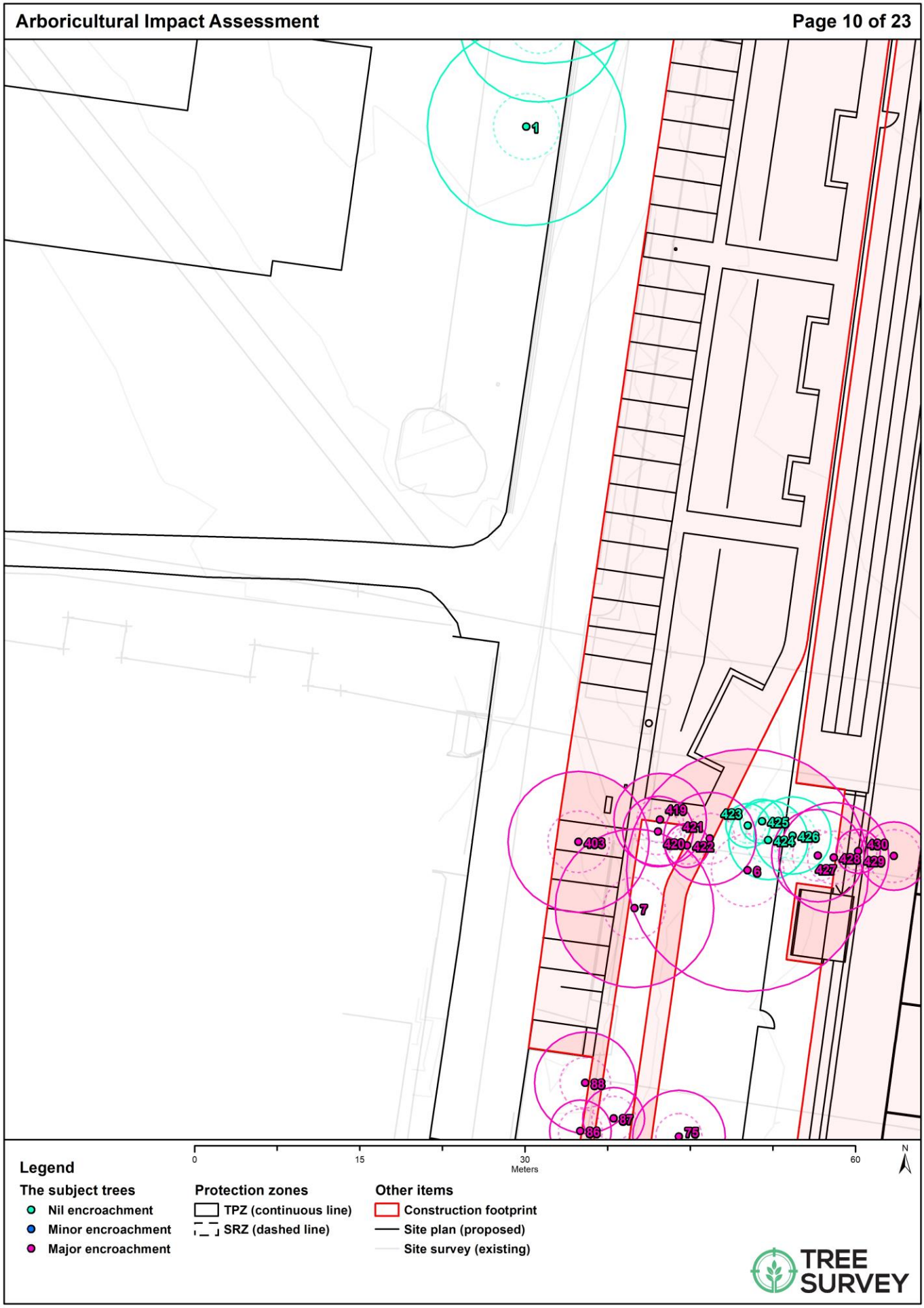
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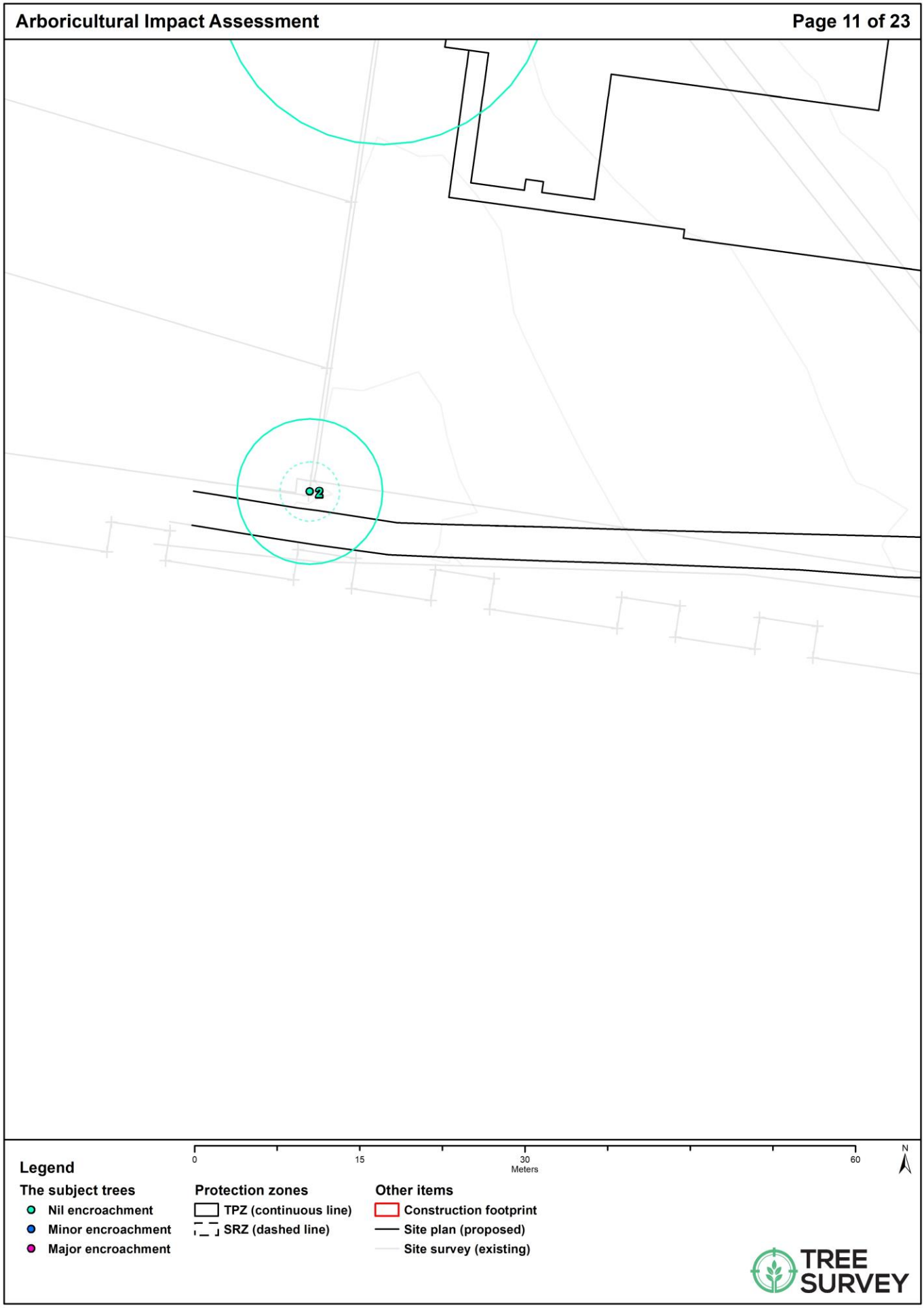
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Page 11 of 23
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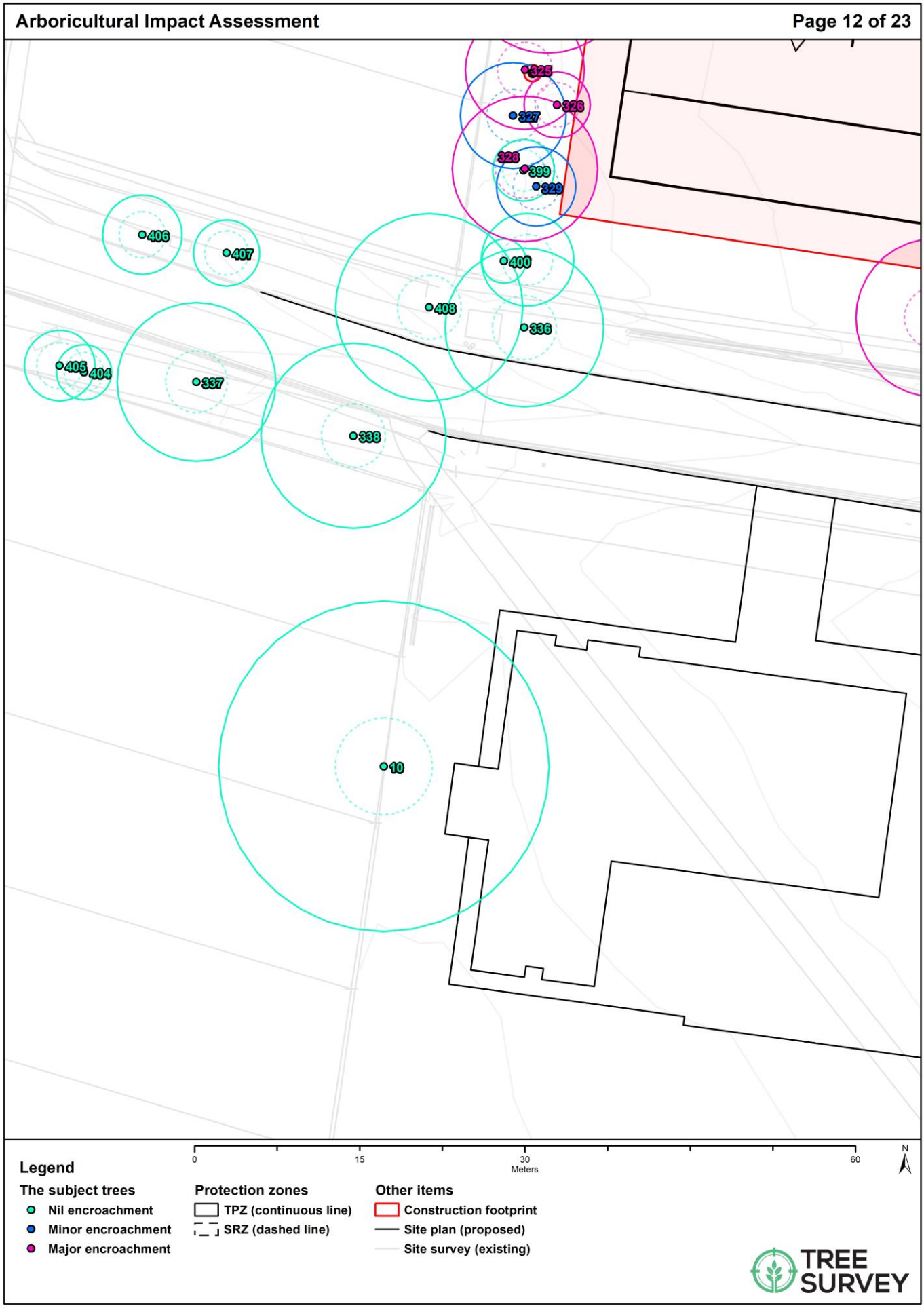
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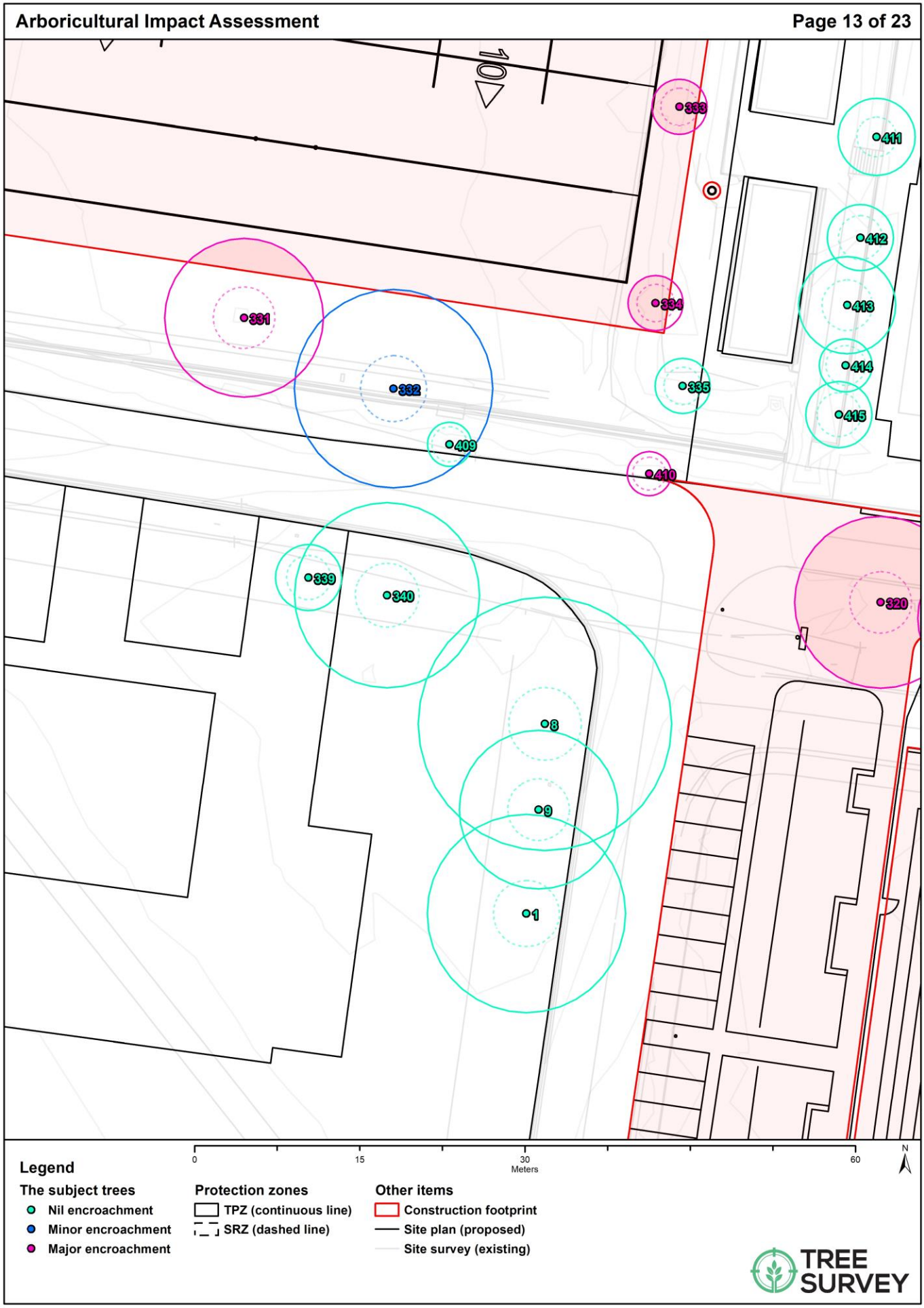
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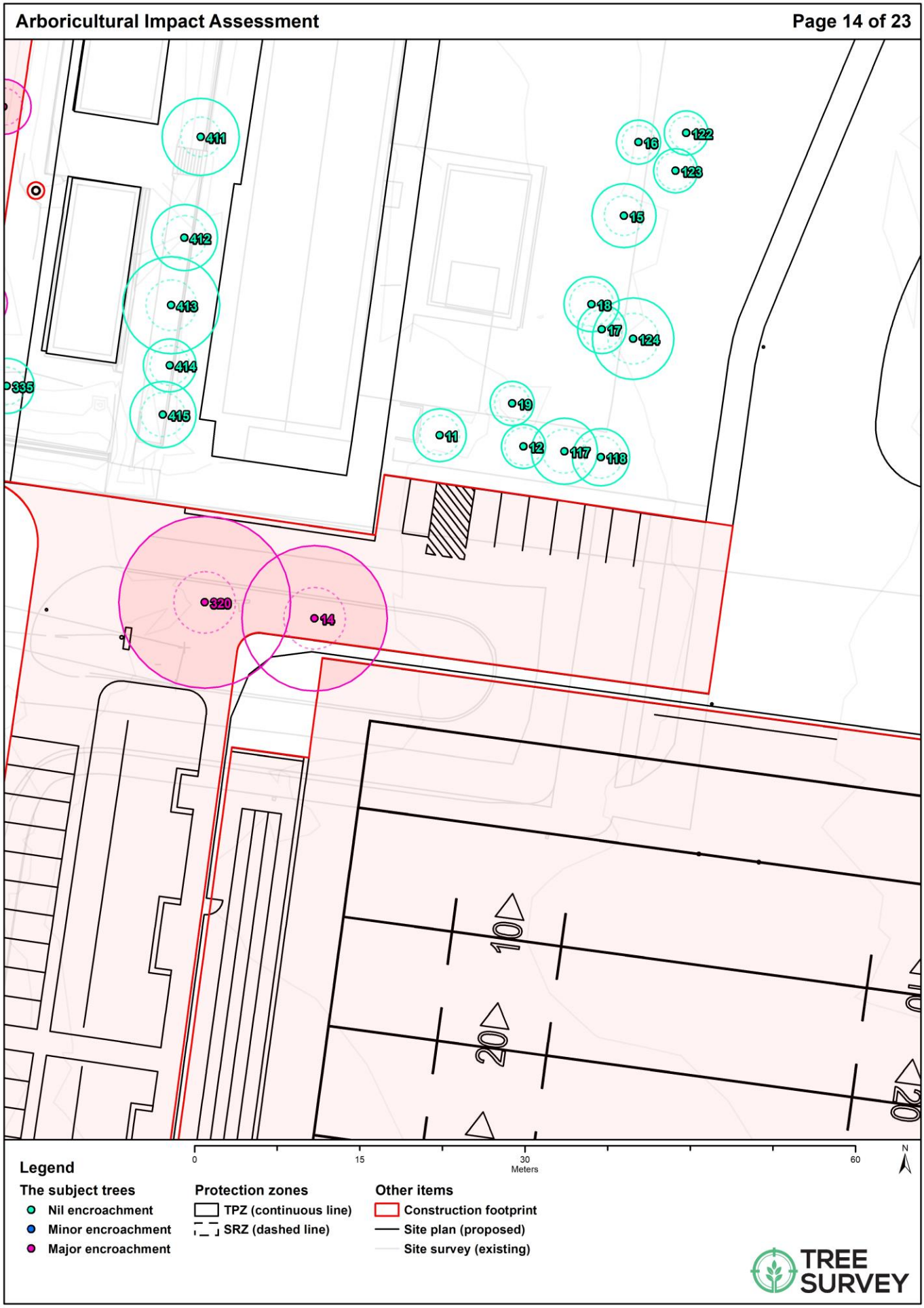
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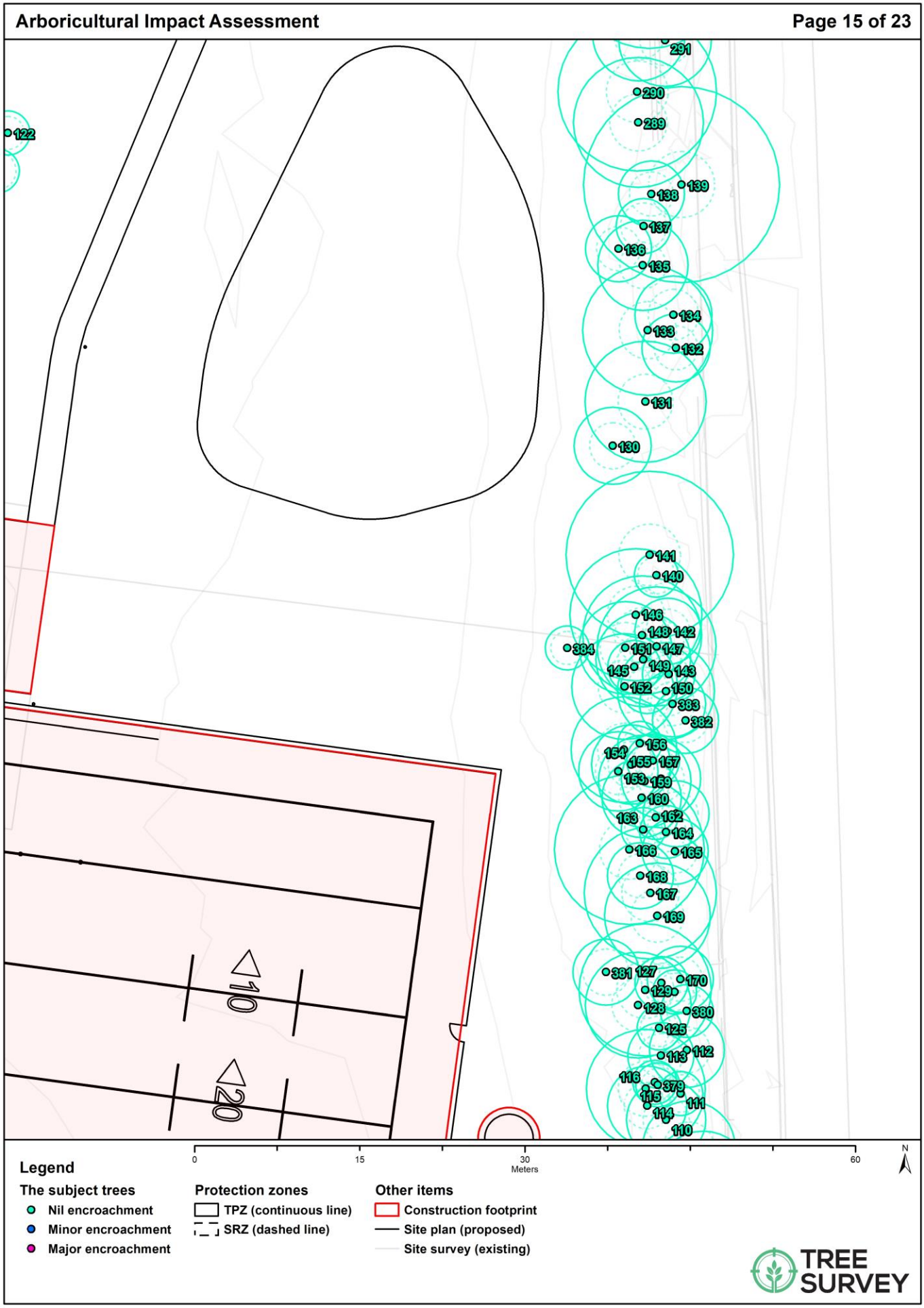
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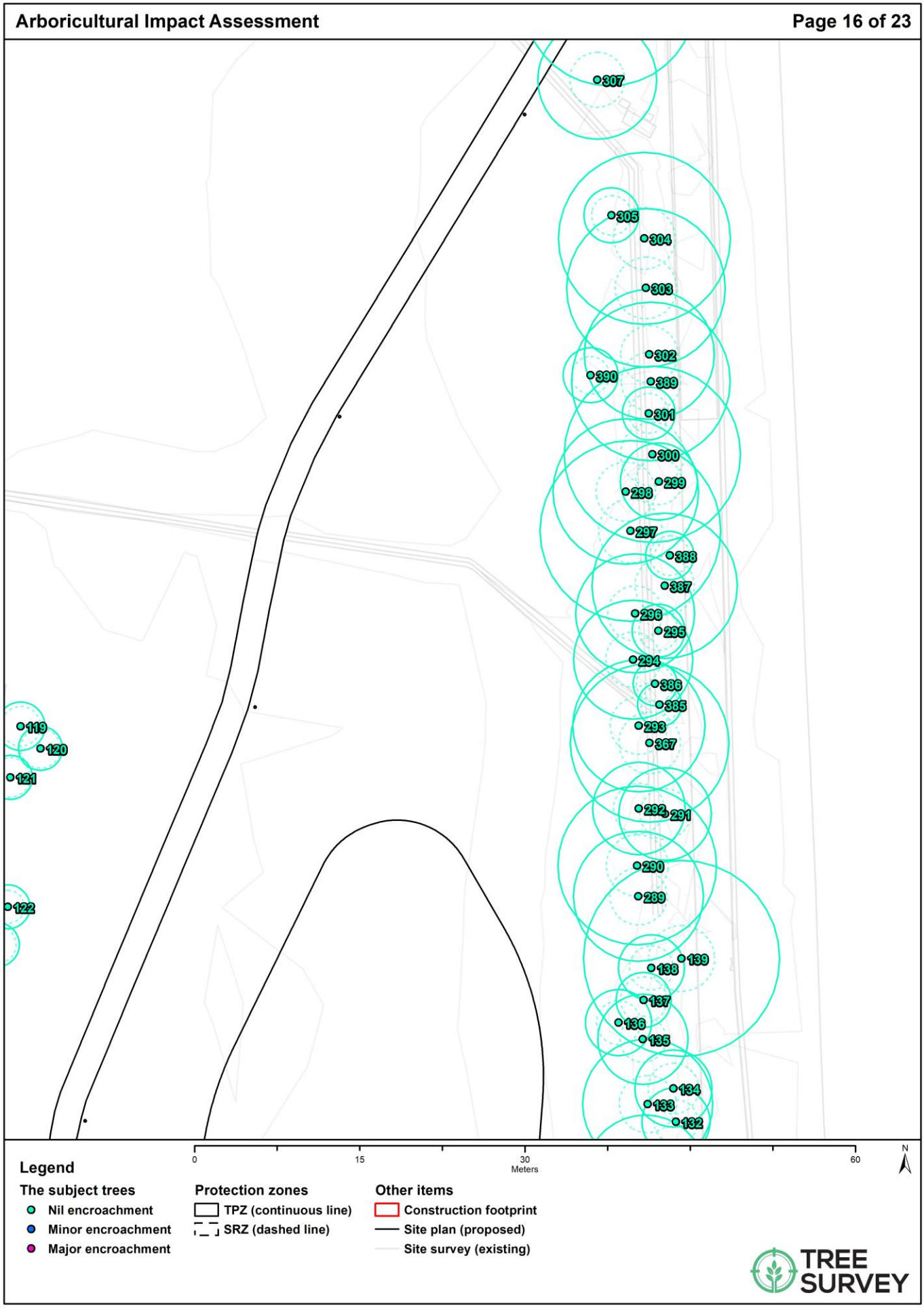
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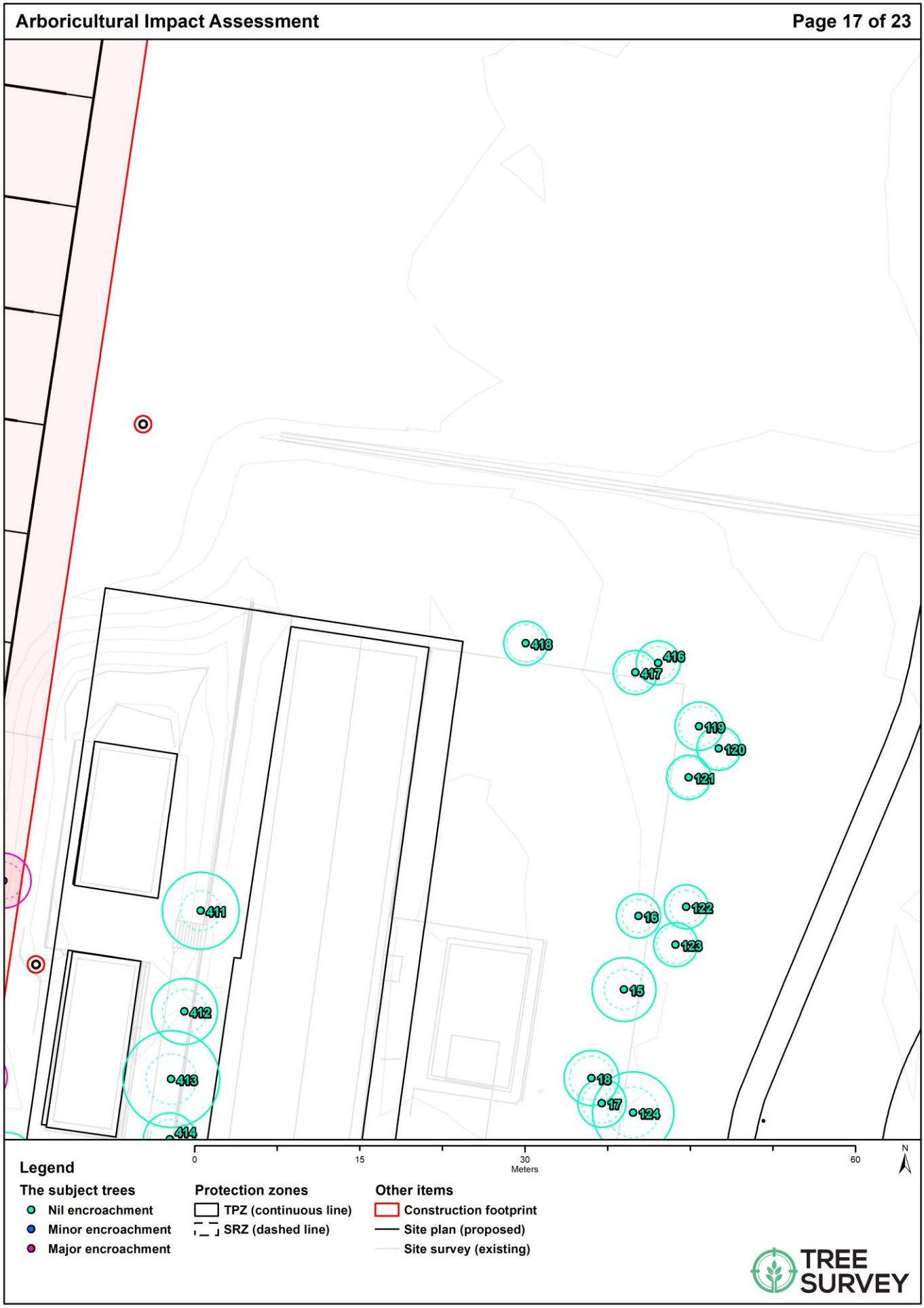
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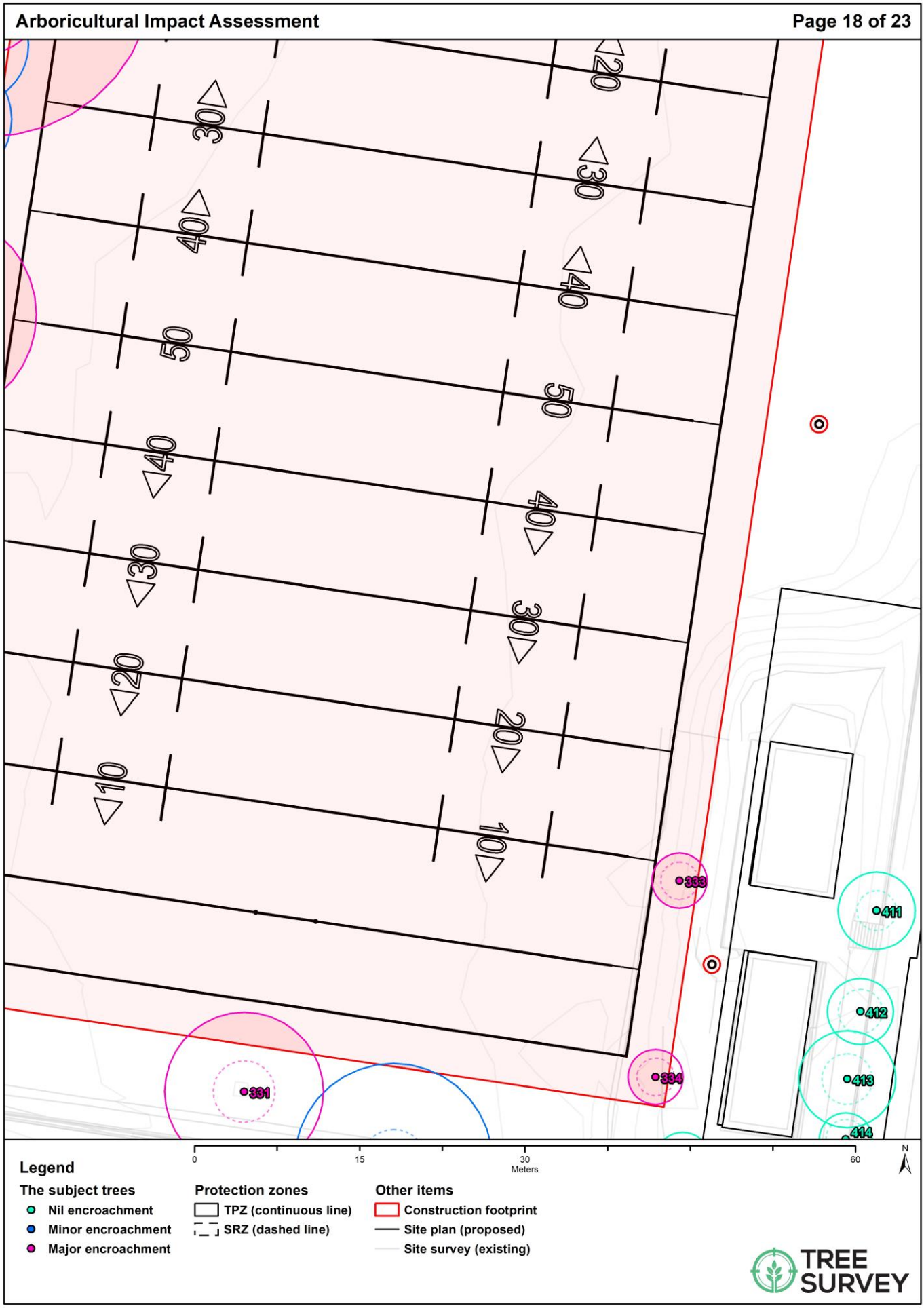
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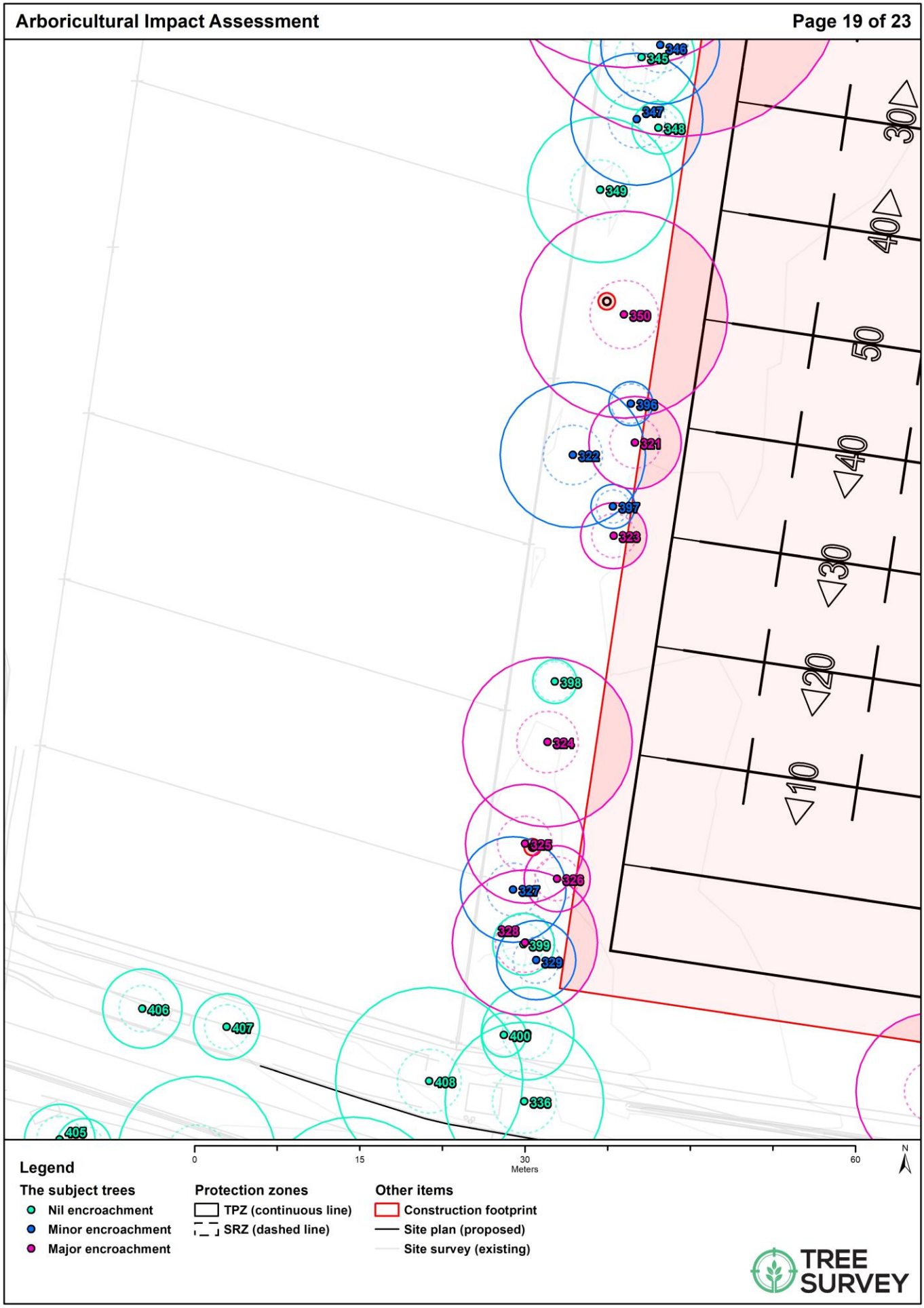
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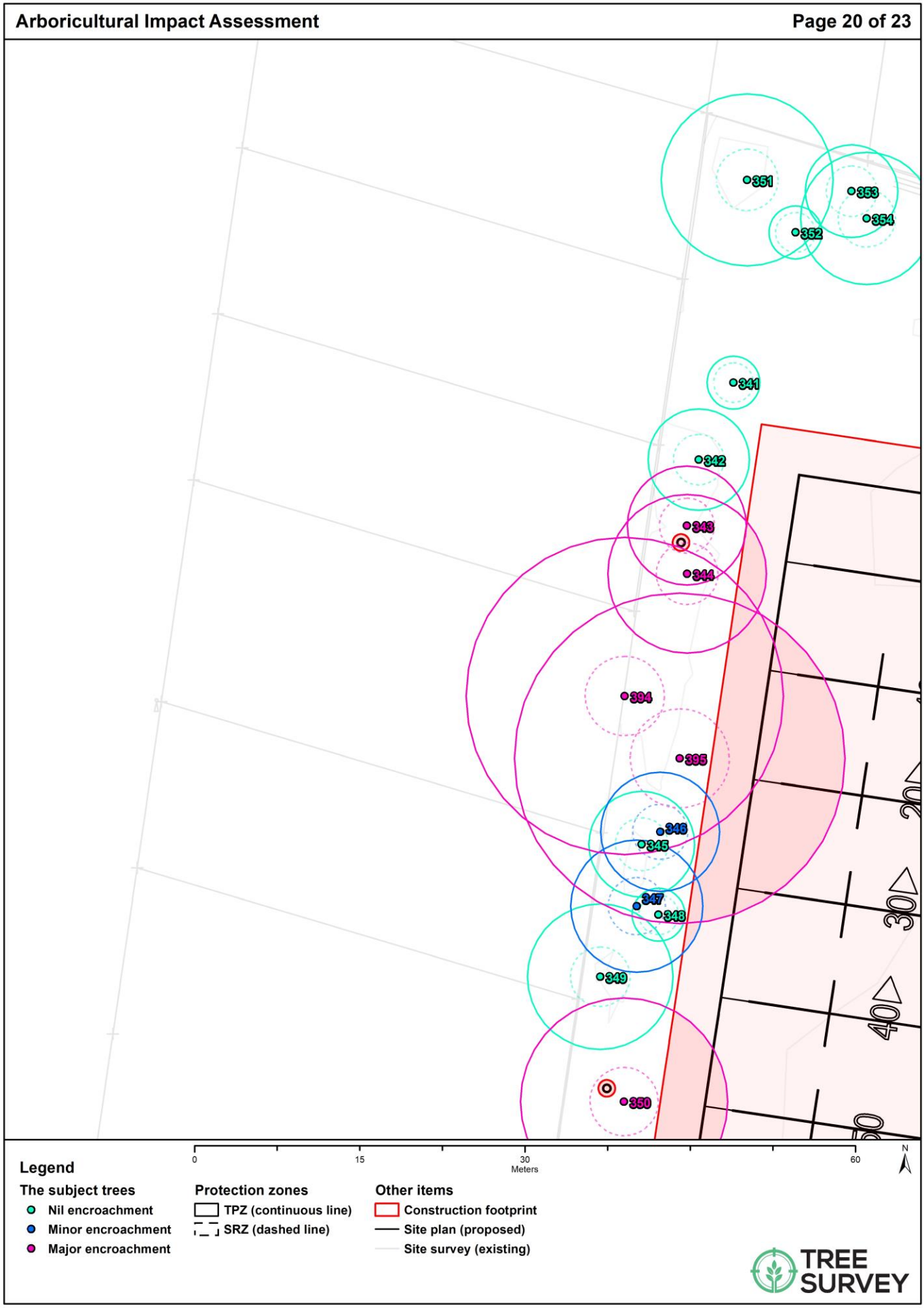
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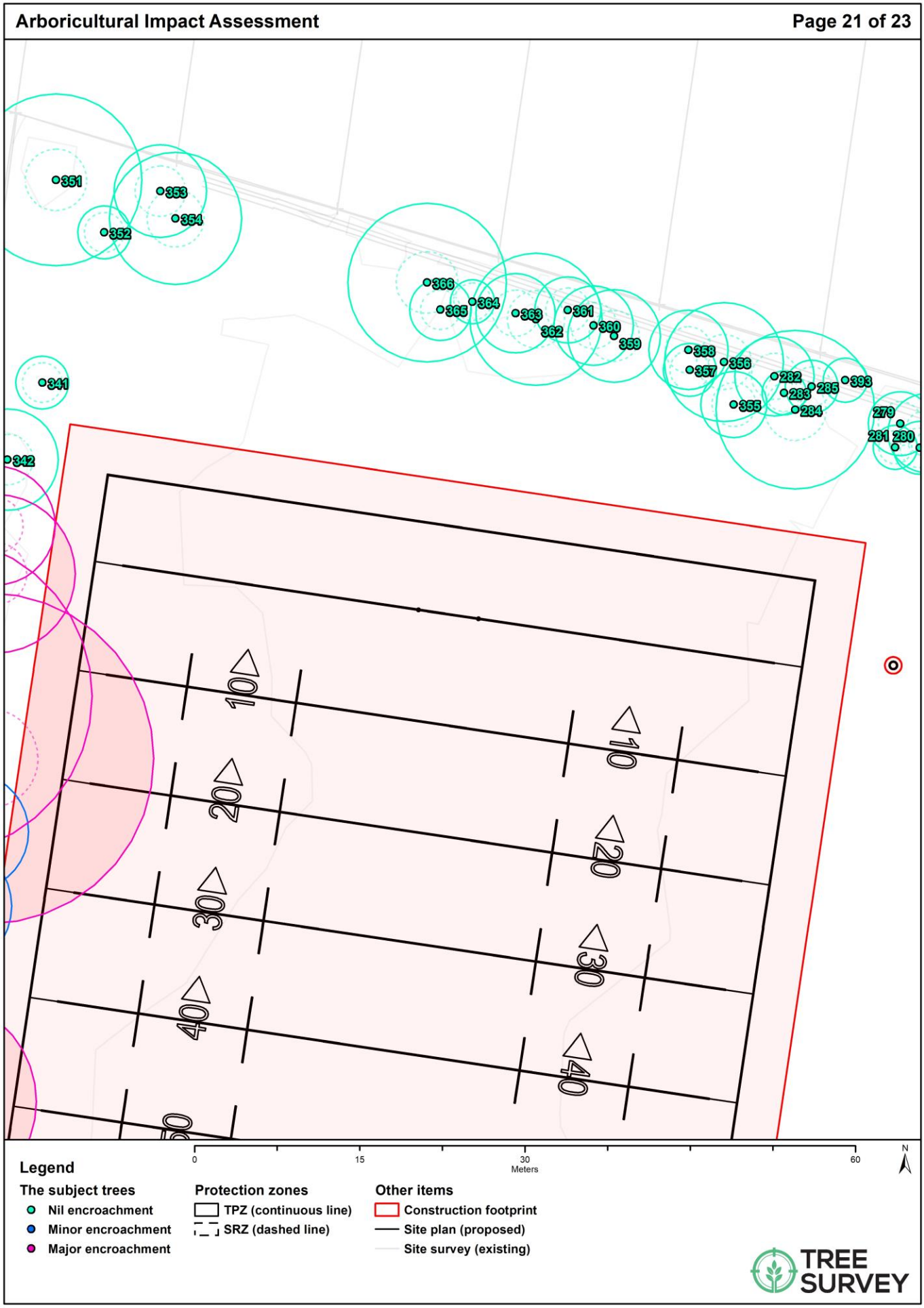
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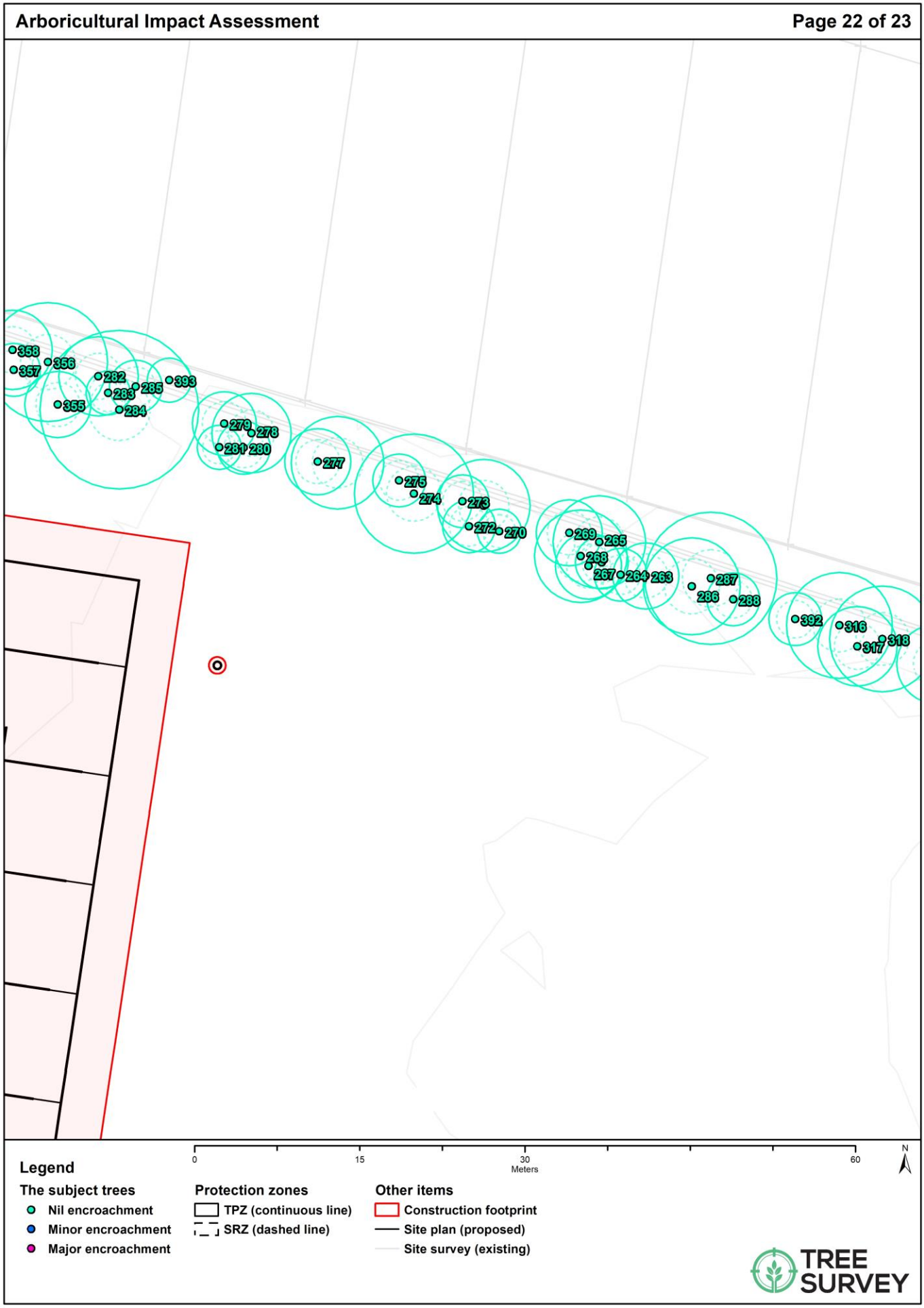
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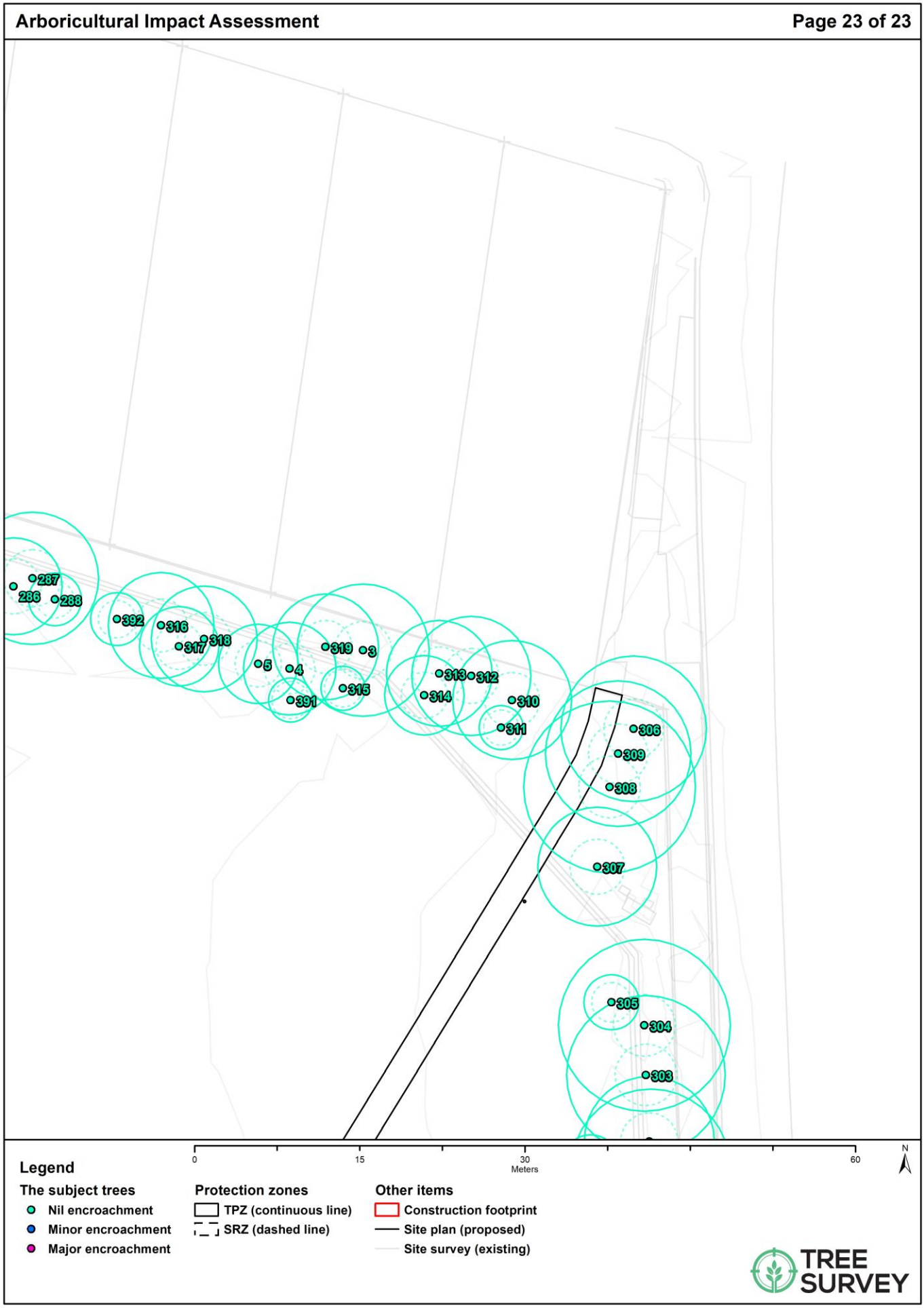
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Minor encroachment
Major encroachment
Protection zones
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Construction footprint
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Site survey (existing)
TREE SURVEY

# 5 Tree Protection Plan (TPP)

## 5.1 Tree removal and retention

A summary of the total proposed tree removals is outlined below :

- **Retain:** A total of **379** trees are proposed for retention:
  - **Low: 78** trees have been assessed as a low priority for retention.
  - **Medium: 294** trees have been assessed as a medium priority for retention.
  - **High: 7** trees have been assessed as a high priority for retention.
- **Remove:** A total of **132** trees are proposed for removal:
  - **Low: 27** trees have been assessed as a low priority for retention.
  - **Medium: 102** trees have been assessed as a medium priority for retention.
  - **High: 3** trees have been assessed as a high priority for retention.

## 5.2 Tree removal

All tree removal work is to be carried out by an arborist with a minimum AQF Level 3 qualification in Arboriculture, in accordance with Australian Standard AS4373-2007, Pruning of Amenity Trees (AS4373), the Work Health and Safety Act 2011, and Work Health and Safety Regulations 2017.

## 5.3 Tree pruning

Minor vegetation trimming may be required to accommodate construction clearances. Standard pruning specifications are outlined below:

- Pruning must not exceed 10% of the overall canopy volume.
- No limbs greater than 100mm in diameter are to be removed.
- The final pruning cut shall be at the branch collar or growth point in accordance with AS4373.
- All tree pruning work is to be carried out by an arborist with a minimum AQF Level 3 qualification in Arboriculture, in accordance with AS4373 and the NSW WorkCover Code of Practice for the Amenity Tree Industry (1998).

If the proposed vegetation trimming does not meet the specifications outlined above, the project arborist must undertake an assessment of impacts on a case-by-case basis.

## 5.4 Tree protection fencing

Tree protection fencing must be established at the locations shown in the TPP. Existing fencing, site hoarding, or structures (such as a wall or building) may be used as tree protection fencing, providing the TPZ remains isolated from the construction footprint. Tree protection fencing must be installed prior to site establishment and remain intact until the completion of works. Once erected, protective fencing must not be removed or altered without the approval of the project arborist. Specifications for the tree protection fencing are as follows:


- Temporary mesh panel fencing (minimum height of 1.8m).
- Installed prior to site establishment and remain intact until the completion of works.
- Protective fencing must not be removed or altered without the approval of the project arborist.
- Prominently signposted with 300mm x 450mm boards stating, “NO ACCESS - TREE PROTECTION ZONE.”
- Certified and inspected by the project arborist.

If tree protection fencing is not practical due to site constraints, tree protection delineation must be installed as an alternative. Specifications for tree protection barriers are as follows:

- Star pickets spaced at 2m intervals,
- Connected by a continuous high-visibility barrier/hazard mesh or flagging rope.
- Maintained at a minimum height of 1m.

Where approved works are required within the TPZ, fencing may be setback to provide construction access. Trunk, branch, and ground protection shall be installed and must comply with AS4970. Any additional construction activities within the TPZ of the subject trees must be assessed and approved by the project arborist.

## 5.5 Restricted activities within the TPZ

The TPZ is an area that is isolated from the work zone to ensure no disturbance or encroachment occurs in this zone. Activities generally excluded from the TPZ (unless otherwise approved under the development consent) include, but are not limited to:

- Machine excavation and trenching.
- Ripping or cultivation of the soil.
- Storage of building materials, waste, and waste receptacles.
- Disposal of waste materials and chemicals, including paint, solvents, cement slurry, fuel, oil, and other toxic liquids.
- Movement and storage of plant, equipment, and vehicles.
- Soil level changes, including the placement of fill material.
- Mechanical removal of vegetation.
- Affixing of signage or hoardings to trees.
- Other physical damage to the trunk or root system.
- Any other activity that is likely to cause damage to the tree.

## 5.6 Tree protection fencing

Tree protection fencing must be established at the locations shown in the TPP. Existing fencing, site hoarding, or structures (such as a wall or building) may be used as tree protection fencing, providing the TPZ remains isolated from the construction footprint. Tree protection fencing must be installed prior to site establishment and remain intact until the completion of works. Once erected, protective fencing must not be removed or altered without the approval of the project arborist. Specifications for the tree protection fencing are as follows:

- Temporary mesh panel fencing (minimum height of 1.8m).
- Installed prior to site establishment and remain intact until the completion of works.
- Protective fencing must not be removed or altered without the approval of the project arborist.
- Prominently signposted with 300mm x 450mm boards stating, “NO ACCESS - TREE PROTECTION ZONE.”
- Certified and inspected by the project arborist.


If tree protection fencing is not practical due to site constraints, tree protection delineation must be installed as an alternative. Specifications for tree protection barriers are as follows:

- Star pickets spaced at 2m intervals,
- Connected by a continuous high-visibility barrier/hazard mesh or flagging rope.
- Maintained at a minimum height of 1m.

Where approved works are required within the TPZ, fencing may be setback to provide construction access. Trunk, branch, and ground protection shall be installed and must comply with AS4970. Any additional construction activities within the TPZ of the subject trees must be assessed and approved by the project arborist.

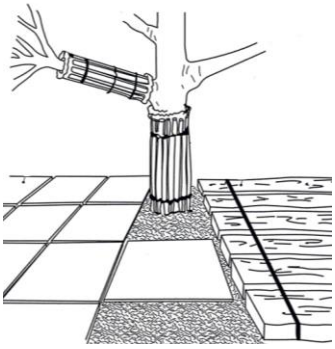
## 5.7 Restricted activities within the TPZ

The TPZ is an area that is isolated from the work zone to ensure no disturbance or encroachment occurs in this zone. Activities generally excluded from the TPZ (unless otherwise approved under the development consent) include, but are not limited to:

- Machine excavation and trenching.
- Ripping or cultivation of the soil.
- Storage of building materials, waste, and waste receptacles.
- Disposal of waste materials and chemicals, including paint, solvents, cement slurry, fuel, oil, and other toxic liquids.
- Movement and storage of plant, equipment, and vehicles.
- Soil level changes, including the placement of fill material.
- Mechanical removal of vegetation.
- Affixing of signage or hoardings to trees.
- Other physical damage to the trunk or root system.
- Any other activity that is likely to cause damage to the tree.

## 5.8 Trunk protection

Tree protection fencing must be established at the locations shown in the TPP. Where the provision of tree protection fencing is impractical or must be temporarily removed, trunk protection shall be installed to avoid accidental mechanical damage.



Specifications for trunk protection are as follows:

- A thick layer of carpet underfelt, geotextile fabric, or similar wrapped around the trunk to a minimum height of 2m.
- 1.8m lengths of softwood timbers aligned vertically and spaced evenly around the trunk (with a small gap of approximately 50mm between the timbers).
- The timbers must be secured using galvanised hoop strap (aluminium strapping).

The timbers shall be wrapped around the trunk but not fixed to the tree, as this will cause injury/damage to the tree.

## 5.9 Ground protection

If temporary access for vehicle, plant, or machinery is required within the TPZ, ground protection shall be installed. The purpose of ground protection is to prevent root damage and soil compaction within the TPZ. Where possible, areas of the existing pavement shall be used as ground protection.

Specifications for light traffic access (<3.5 tonne) are as follows:

- Permeable membrane such as geotextile fabric.
- A layer of mulch or crushed rock (at a minimum depth of 100mm)

Specifications for heavy traffic access (>3.5 tonne) are as follows:

- Permeable membrane such as geotextile fabric.
- A layer of lightly compacted road base (at a minimum depth of 200mm)
- Geotextile fabric shall extend a minimum of 300mm beyond the edge of the road base.
- Heavy vehicle track mats, road plates, access mats, or similar.

Pedestrian, vehicular, and machinery access within the TPZ shall be restricted solely to areas where ground protection has been installed.

## 5.10 Mulch

The area within the TPZ should be mulched (where practical) with good-quality composted wood chip/leaf mulch and should be maintained at a depth of 150mm-200mm. Mulching around the base of the tree will provide nutrients and organic matter to the soil as it breaks down, improving and maintaining the overall health of the trees.

## 5.11 Demolition

The demolition of all existing structures inside or directly adjacent to the TPZ of trees to be retained must be undertaken in consultation with the project arborist. Any machinery is to work from inside the footprint of the existing structures or outside the TPZ, to minimise soil disturbance and compaction. If it is not feasible to locate demolition machinery outside the TPZ of trees to be retained, ground protection will be required. The demolition should be undertaken inwards into the footprint of the existing structures, sometimes referred to as the ‘top-down, pull back’ method.

## 5.12 Excavations

The project arborist must supervise and certify that all excavations and root pruning are in accordance with AS4373 and AS4970. All excavations (including root investigations) within the TPZ must be carried out using tree-sensitive methods under the supervision of the project arborist (see **Tree Protection Plan**). These methods may include:

- **Manual excavation:** Use of hand tools such as spades, trowels, and brushes.
- **Air spade:** Use of a pressurised air device that blows the soil away and leaves roots intact.
- **Hydro-vacuum excavation:** Use of pressurised water to remove soil from around roots.

The recommended techniques for common types of excavations have been outlined below:

- **Continuous strip footings:** Manual excavation, air spade, or hydro-vacuum is utilised excavation lines within the TPZ prior to the commencement of mechanical excavation. Excavation should be a depth of 1 metre (or to unfavourable root growth conditions such as bedrock or heavy clay, if agreed by the project arborist). Any conflicting roots shall be pruned using clean, sharp secateurs or a pruning saw to ensure a clean cut, free from tears. All root pruning must be documented and carried out by the project arborist. After all root pruning is completed, machine excavation is permitted within the footprint of the structure.
- **Post or pier footings:** Manual excavation, air spade, or hydro-vacuum is utilised at the location of pier footings within the TPZ. Any conflicting roots shall be pruned using clean, sharp secateurs or a pruning saw to ensure a clean cut, free from tears. All root pruning must be documented and carried out by the project arborist. After all root pruning is completed, machine excavation is permitted within the footprint of the structure.

No over-excavation, battering, or benching shall be undertaken beyond the footprint of any structure unless approved by the project arborist.

## 5.13 Underground services

Where possible, underground services should be routed outside of the TPZ. If underground services need to be installed within the TPZ, they must be installed using tree-sensitive excavation methods under the supervision of the project arborist. Alternatively, boring methods such as horizontal directional drilling (HDD) may be used for underground service installation, providing the installation is at a minimum depth of 800mm below grade. Excavations for entry/exit pits must be located outside the TPZ.

## 5.14 Root pruning

Any conflicting roots greater than 50mm in diameter identified during the supervised excavations shall be pruned using clean, sharp secateurs or a pruning saw to ensure a clean cut, free from tears. All root pruning (>50mm) must be documented and carried out by the project arborist.

## 5.15 Site inspections

In accordance with AS4970, inspections must be conducted by the project arborist at the following key project stages:

- Prior to any work commencing on-site (including demolition, earthworks, or site clearing) and following the installation of tree protection.
- During any excavations, building works, and any other activities carried out within the TPZ of any tree to be retained & protected.
- A minimum of once per 12 weeks (every 3 months) during the construction phase for trees with a major encroachment within the TPZ.
- After all major construction has ceased, following the removal of tree protection.

It shall be the responsibility of the project manager to notify the project arborist prior to any works within the TPZ of any protected tree at a minimum of 48 hours' notice. To ensure the tree protection plan is implemented, hold points have been specified in the schedule of work (**Table 3**).

**Table 3: Schedule of work**

| Construction stage | Hold point | Description |
|---|---|---|
| Pre-construction | 1 | Tree protection (for trees that will be retained) shall be installed prior to demolition and site establishment. This may include the mulching of areas within the TPZ. The project arborist shall inspect and certify tree protection. |
| During Construction | 2 | Project arborist to supervise and document any significant works carried out within the TPZ of trees to be retained. |
| | 3 | Scheduled inspection of trees by the project arborist should be undertaken approximately every 12 weeks (3 months) during the construction period. |
| Post Construction | 4 | Final inspection of trees by project arborist. |

**Tree Protection Plan** **Page 1 of 23**


**Legend**

**The subject trees**
- Retain
- Remove

**Protection zones**
- TPZ (continuous line)
- SRZ (dashed line)

**Tree protection measures**
- Tree protection fence

TREE SURVEY


Tree Protection Plan
Page 2 of 23
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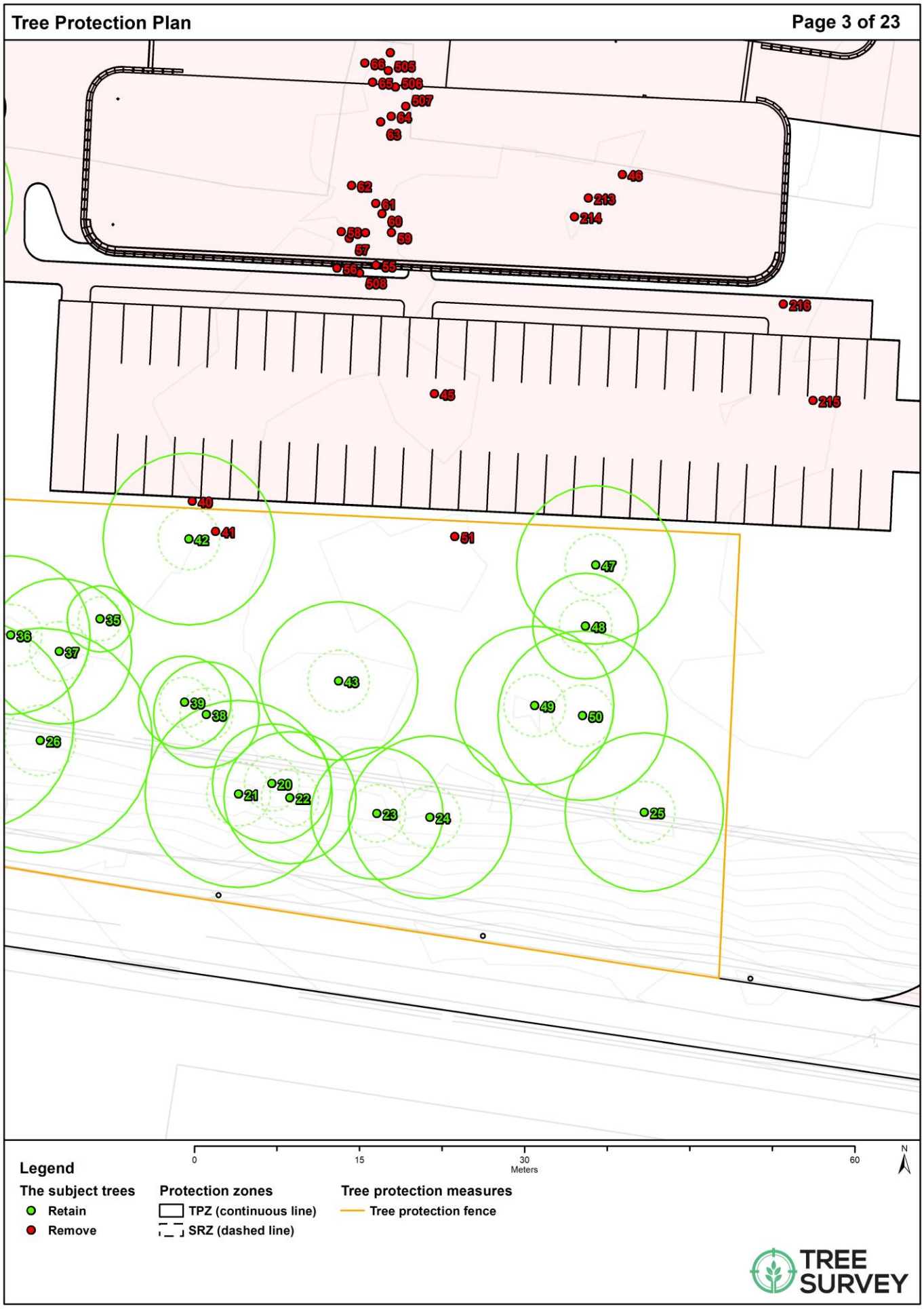
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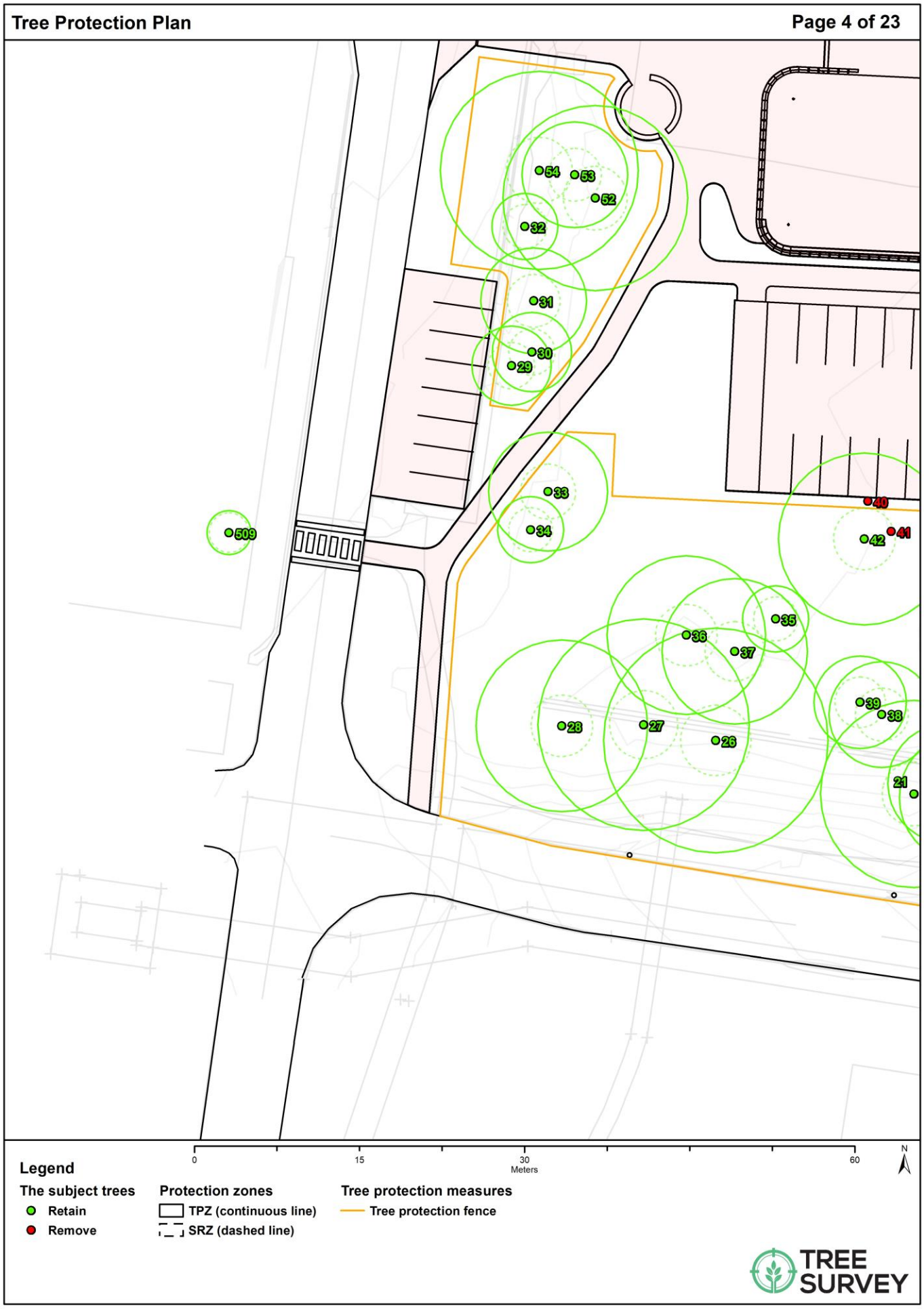
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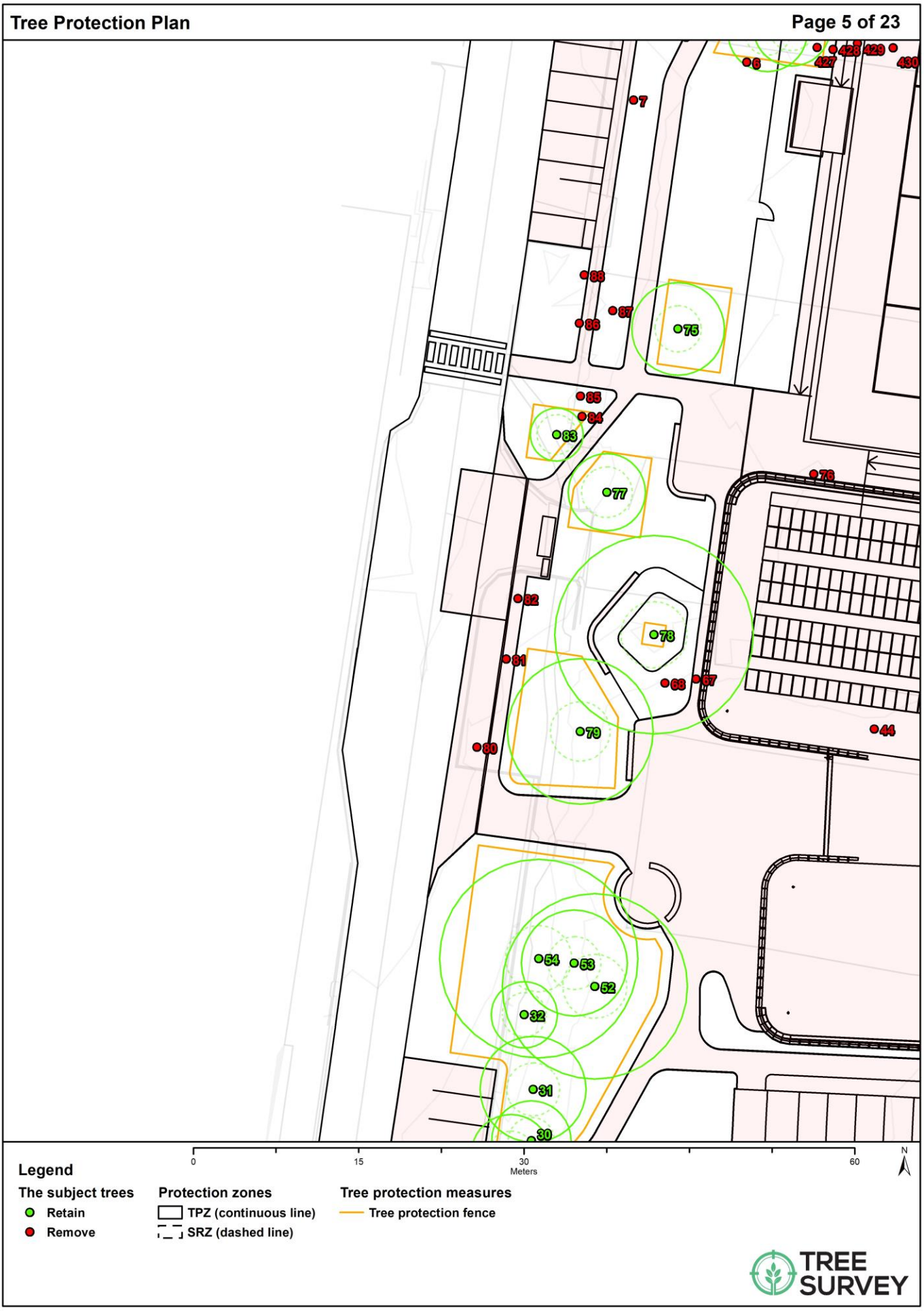
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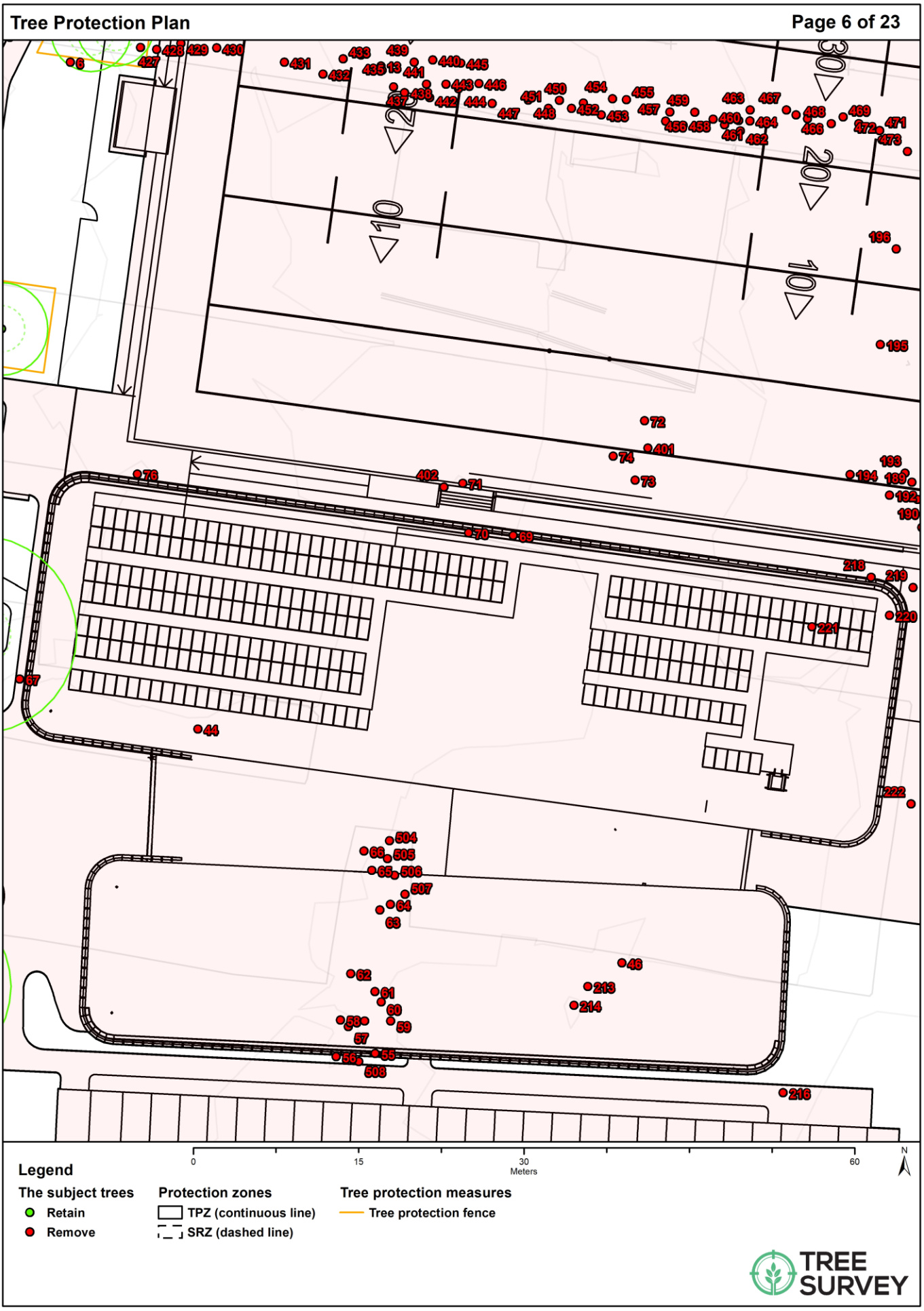
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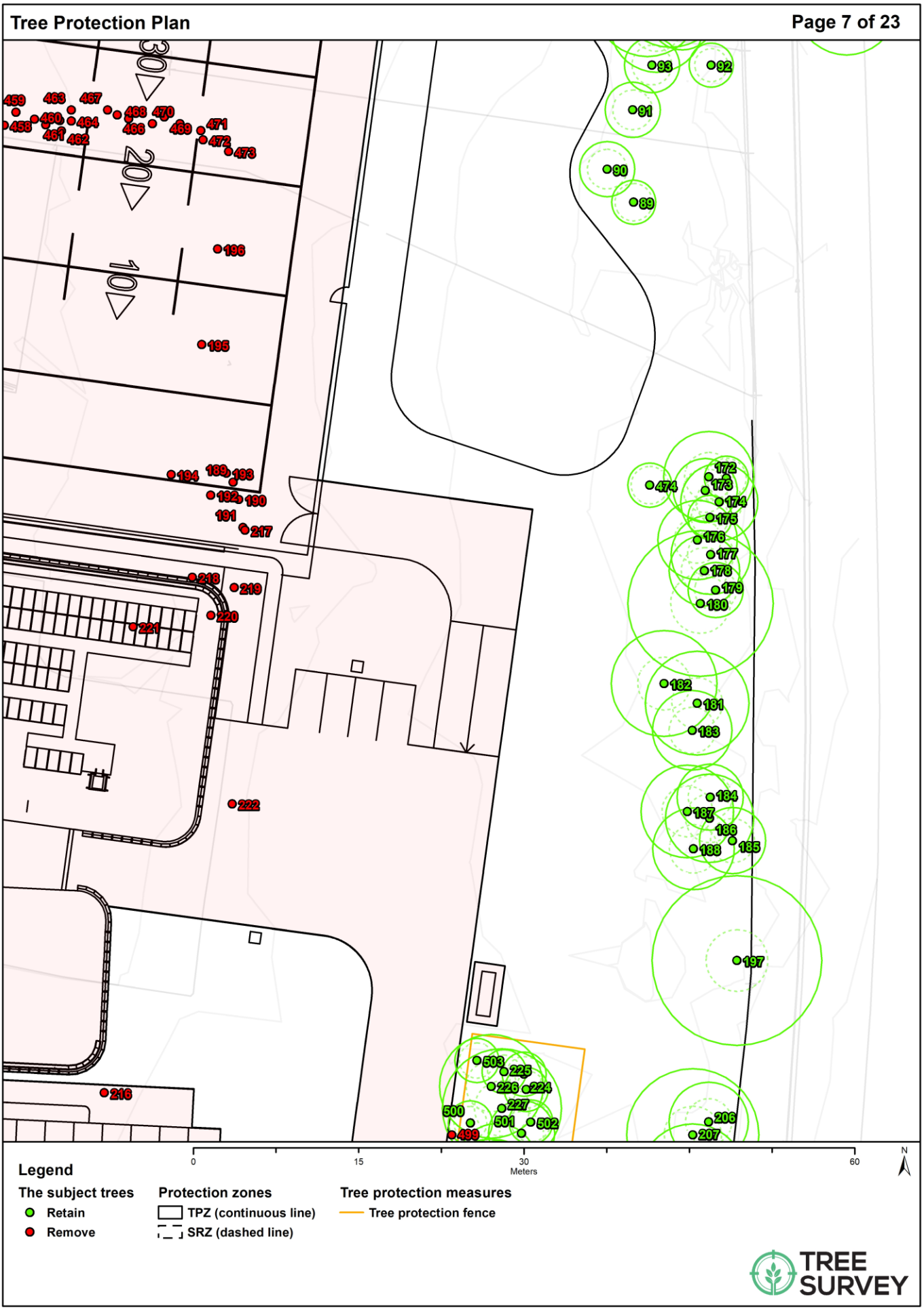
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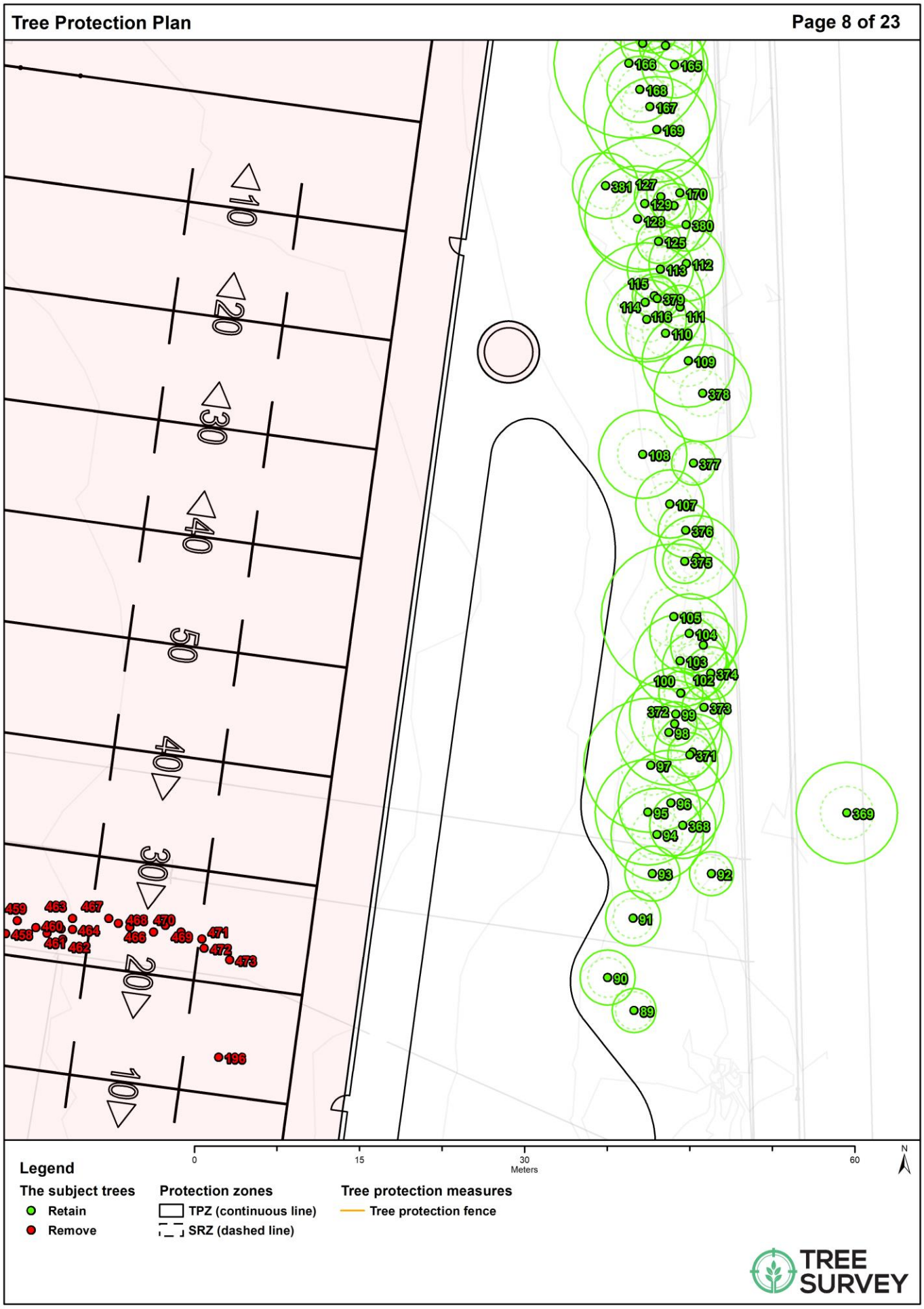
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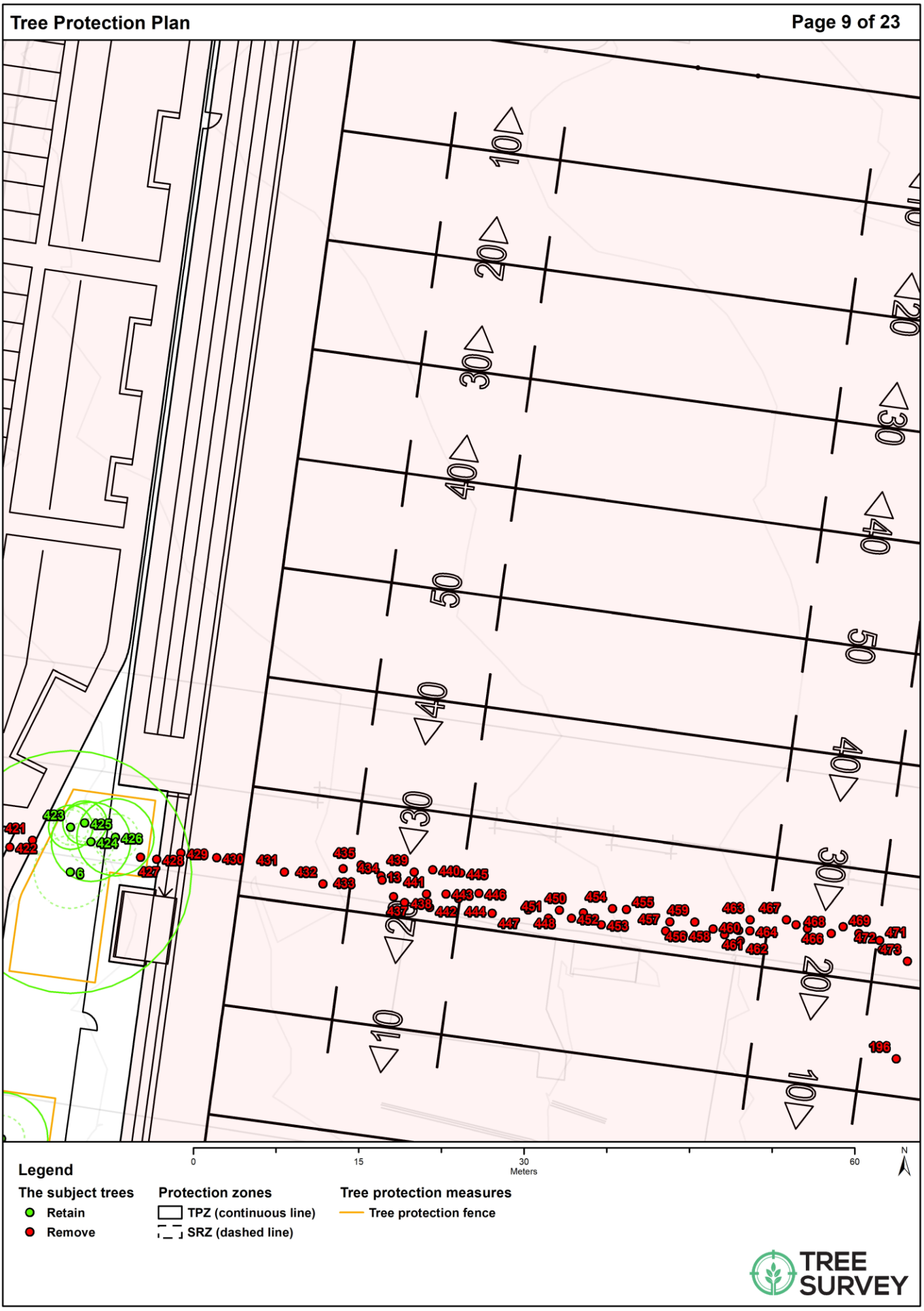
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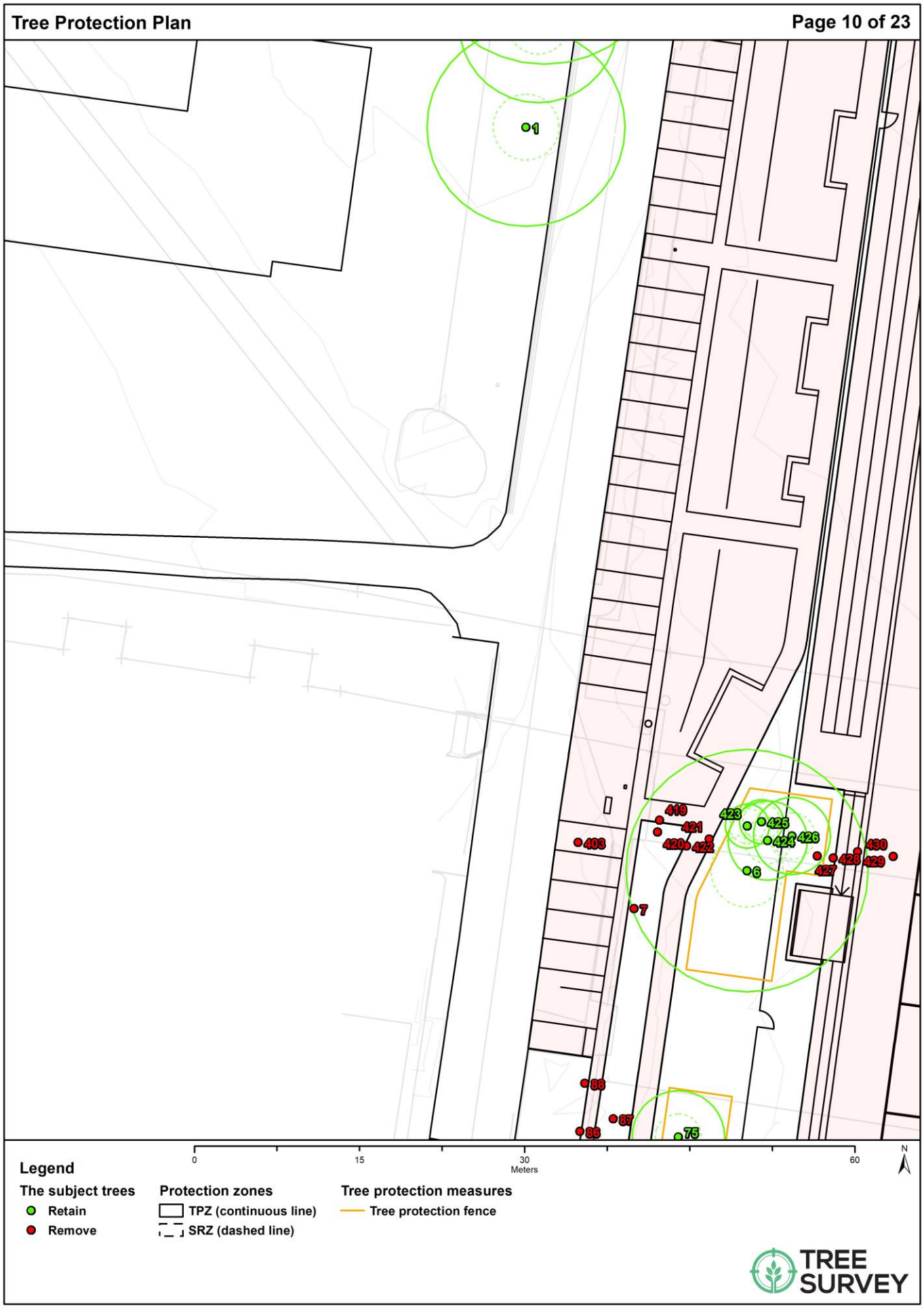
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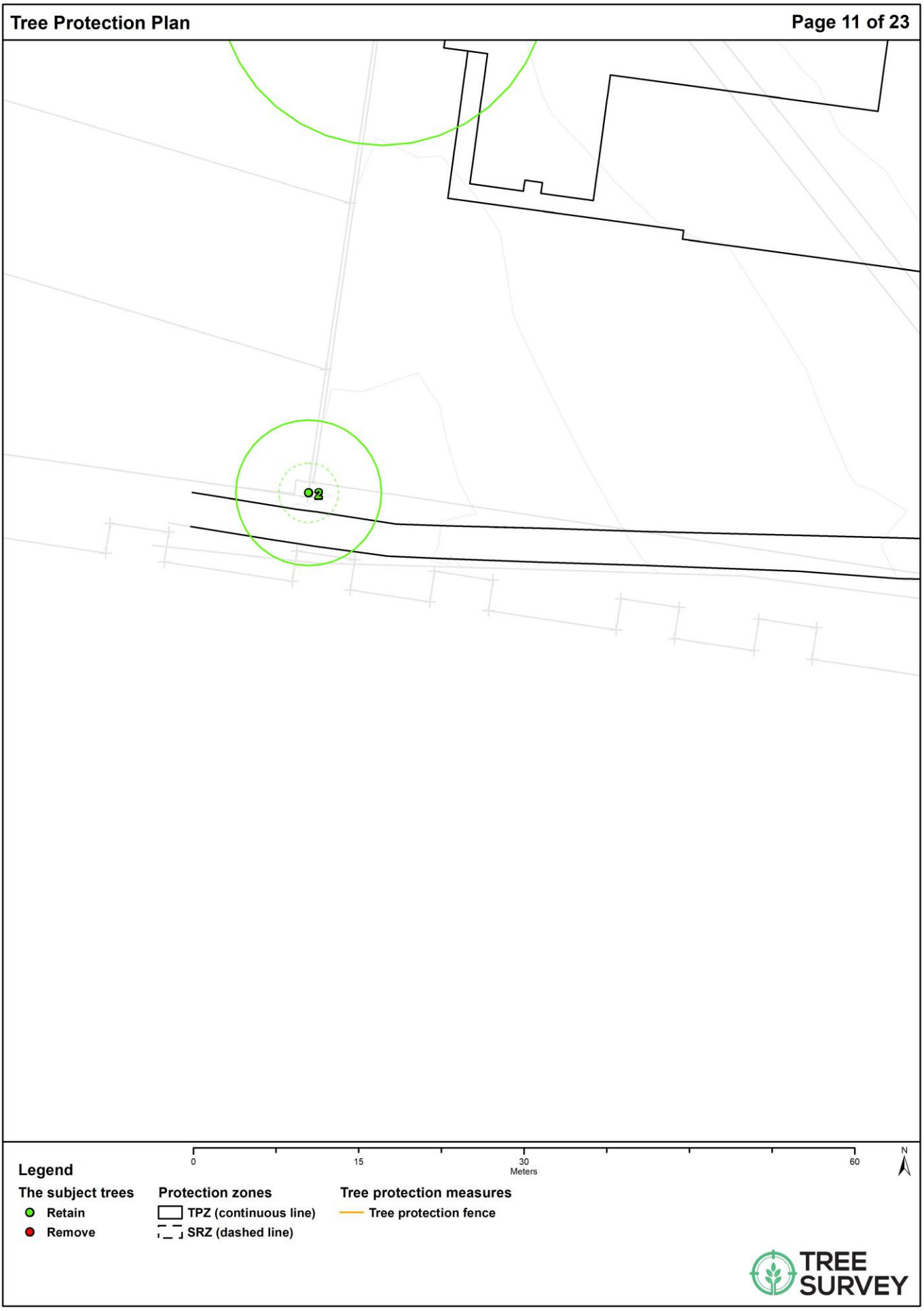
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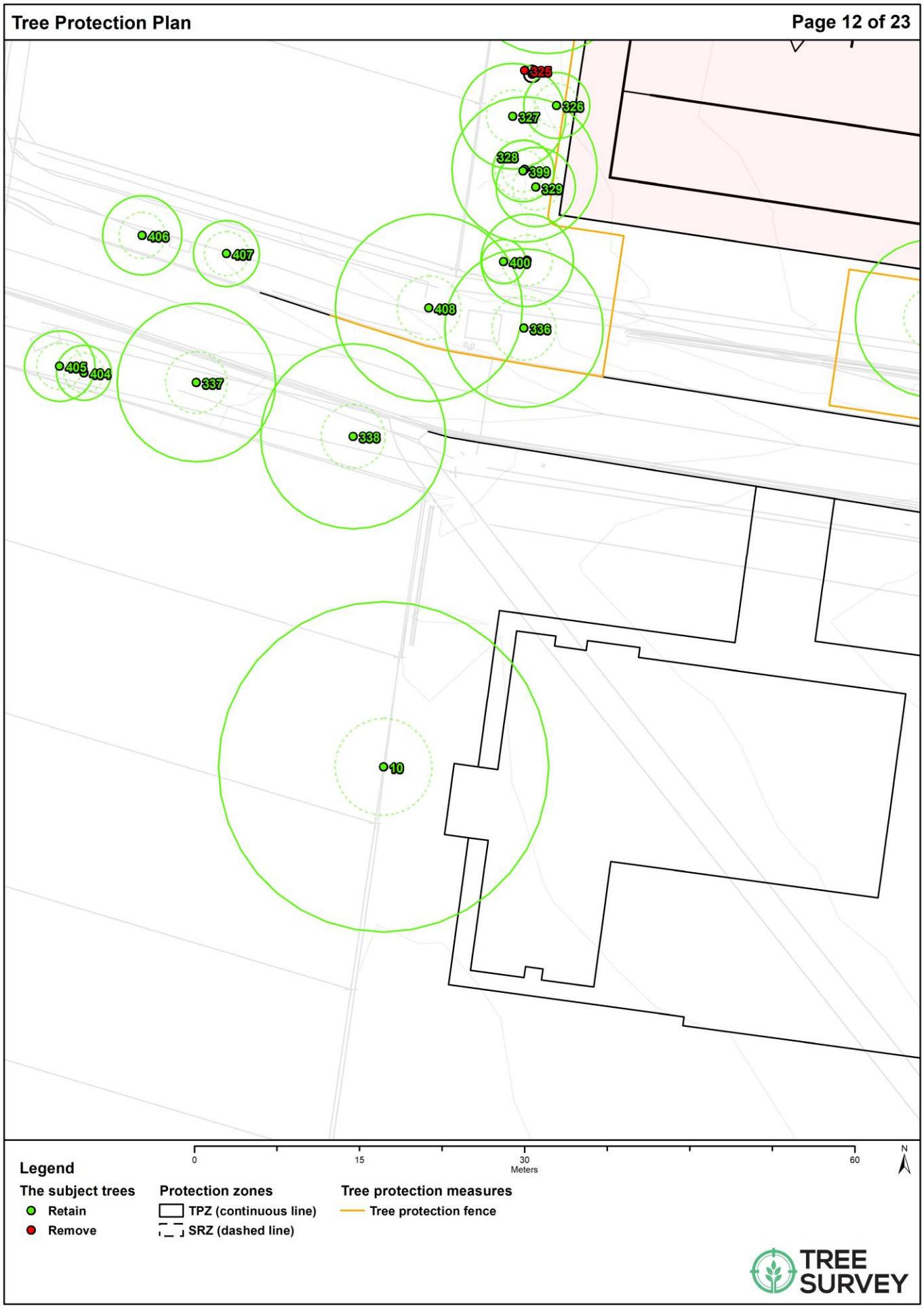
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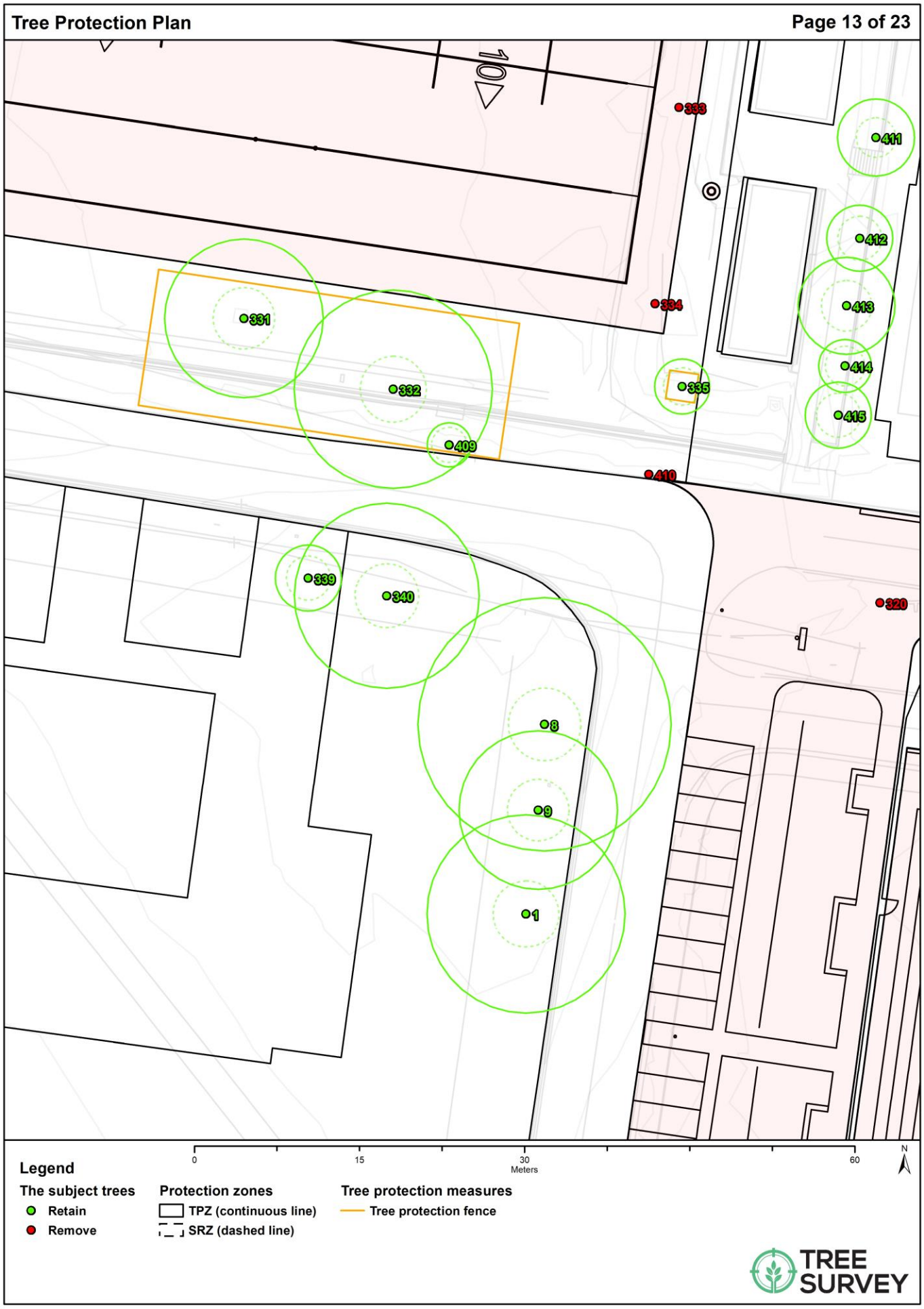
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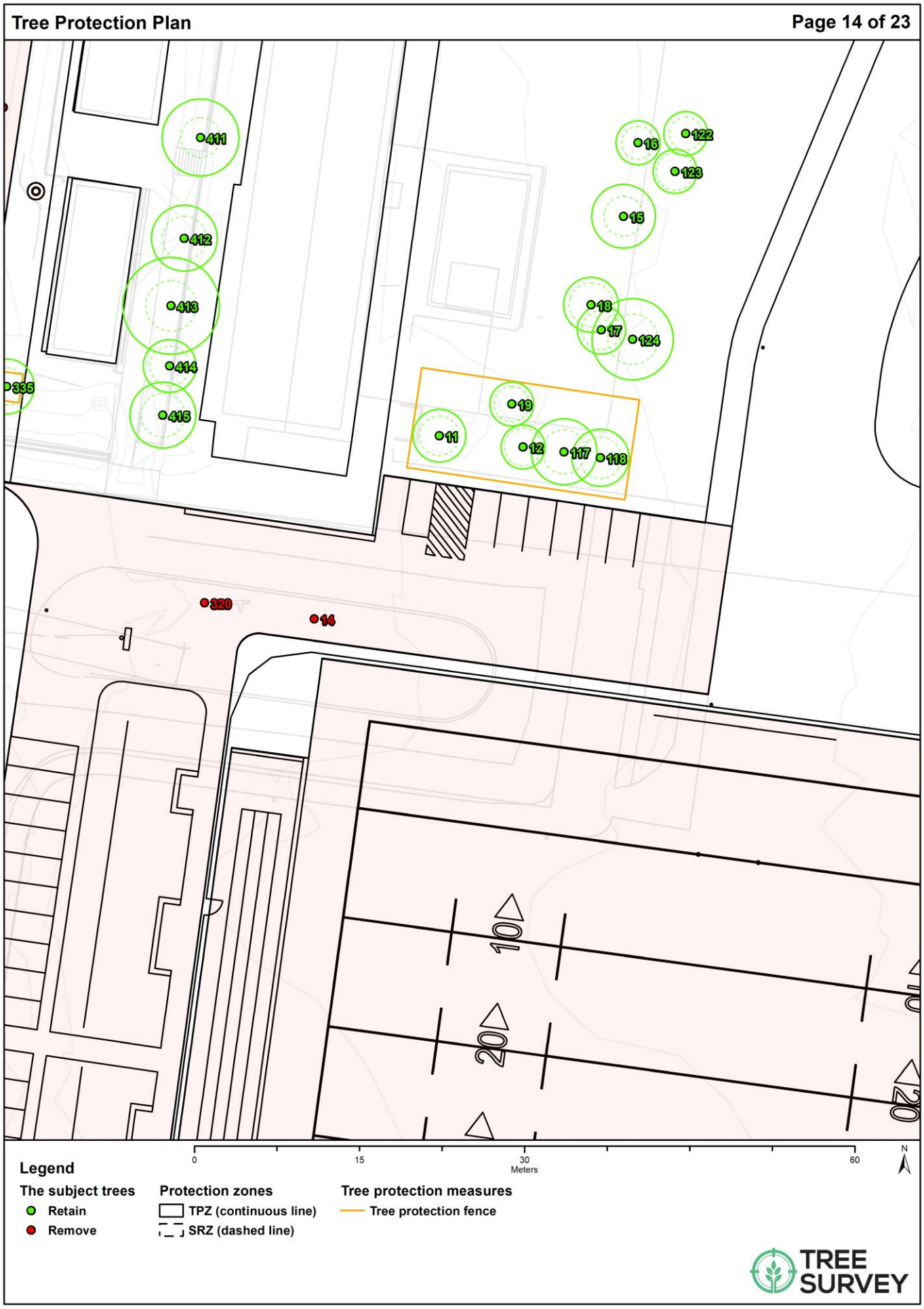
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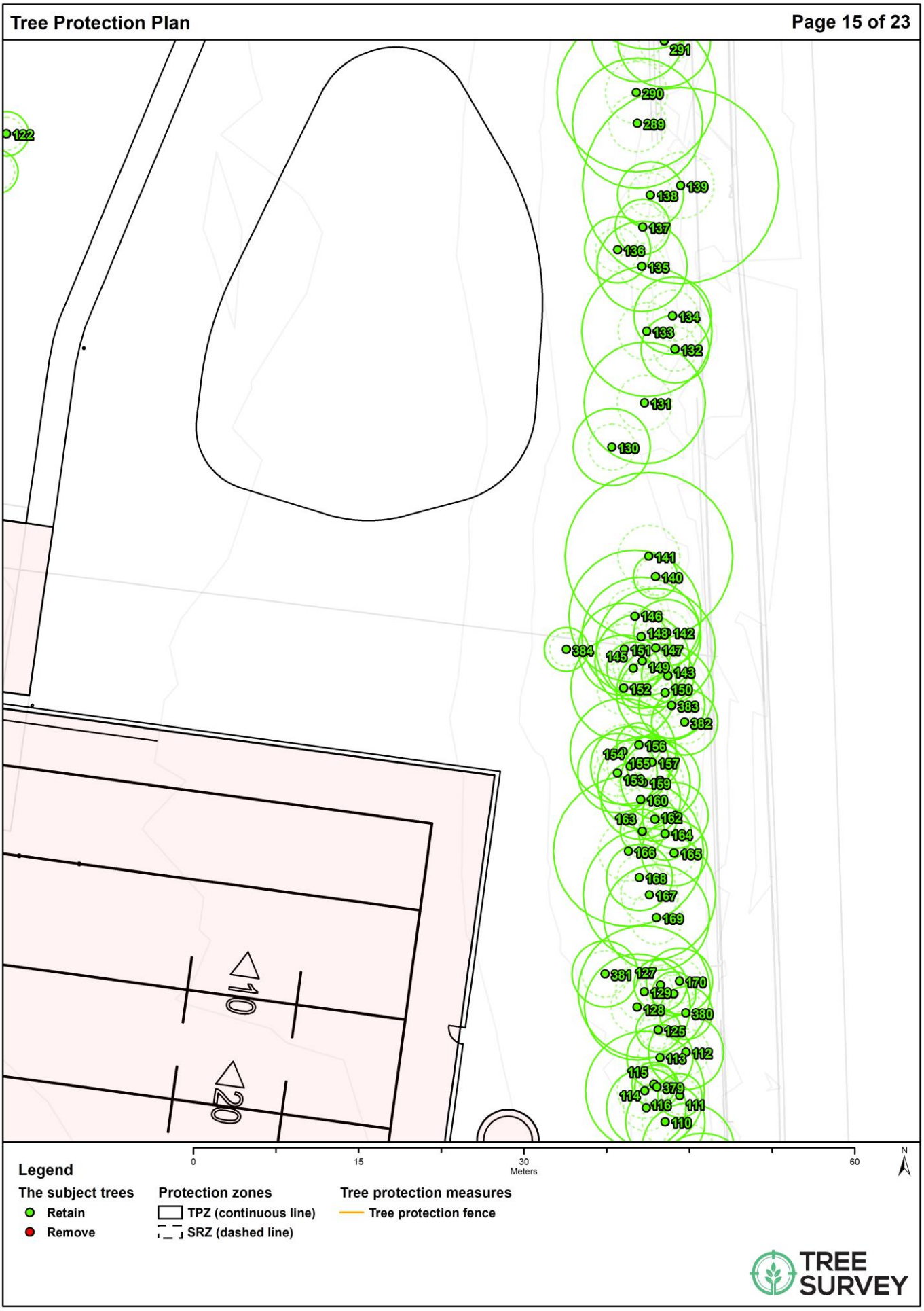
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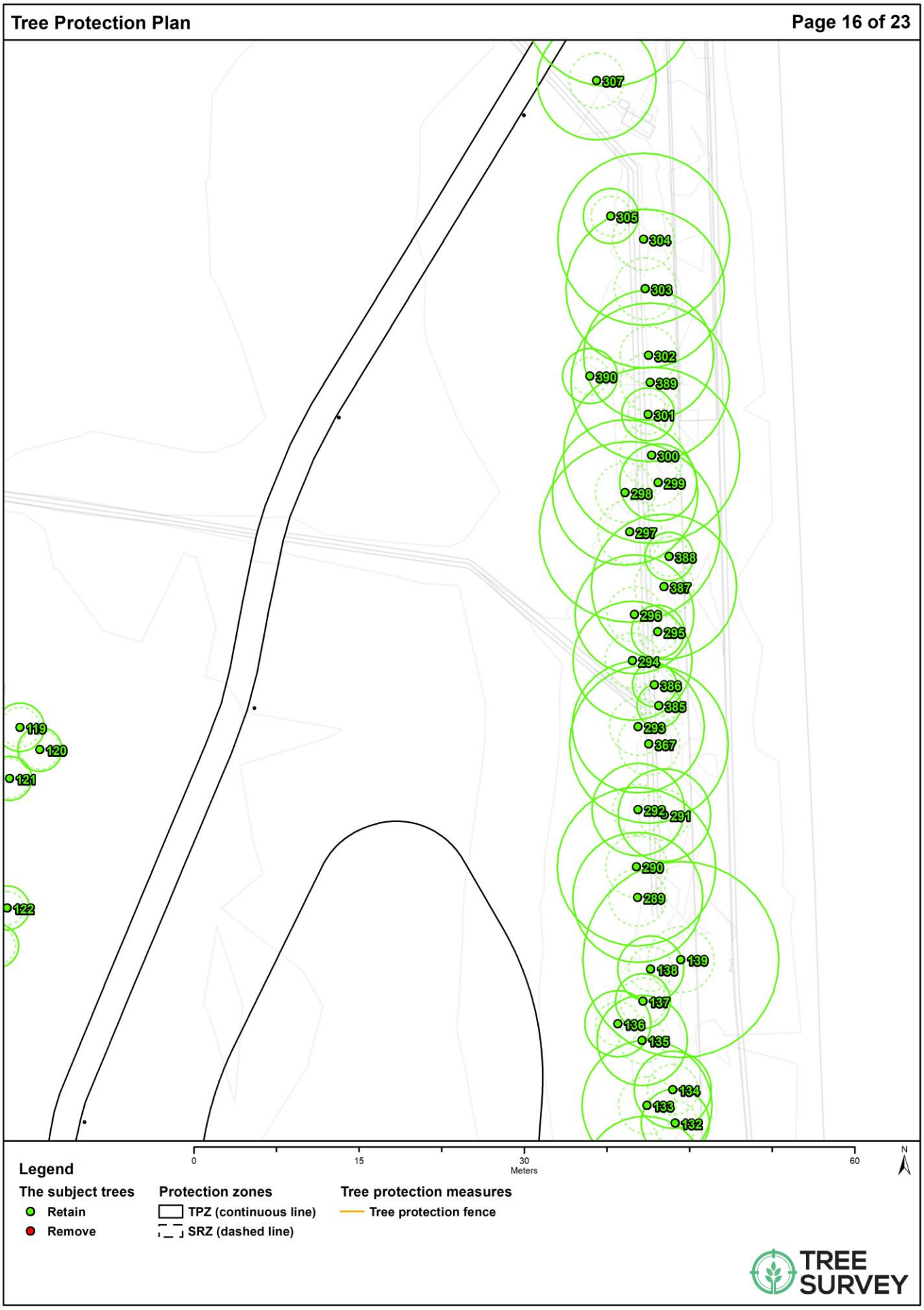
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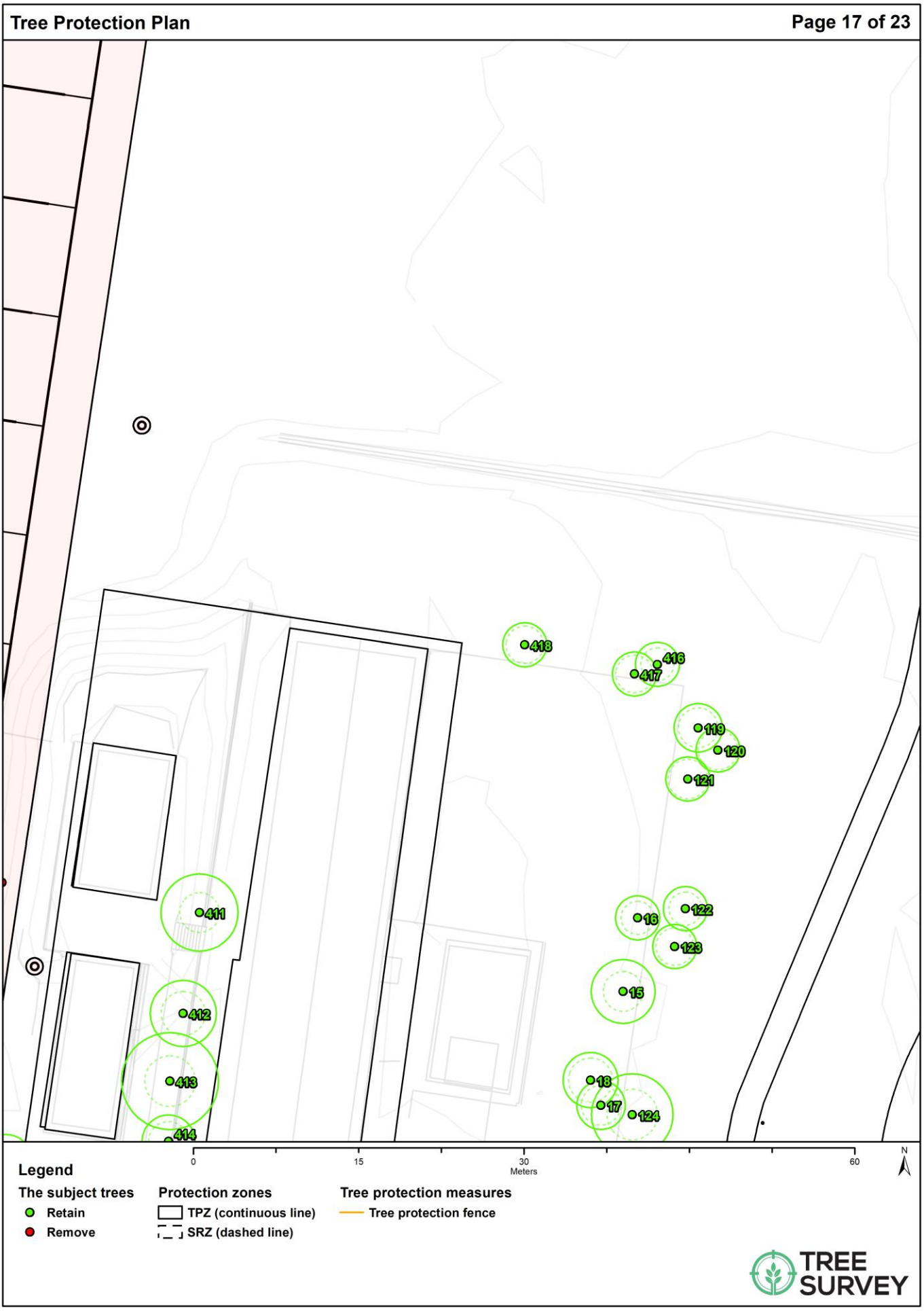
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Page 17 of 23
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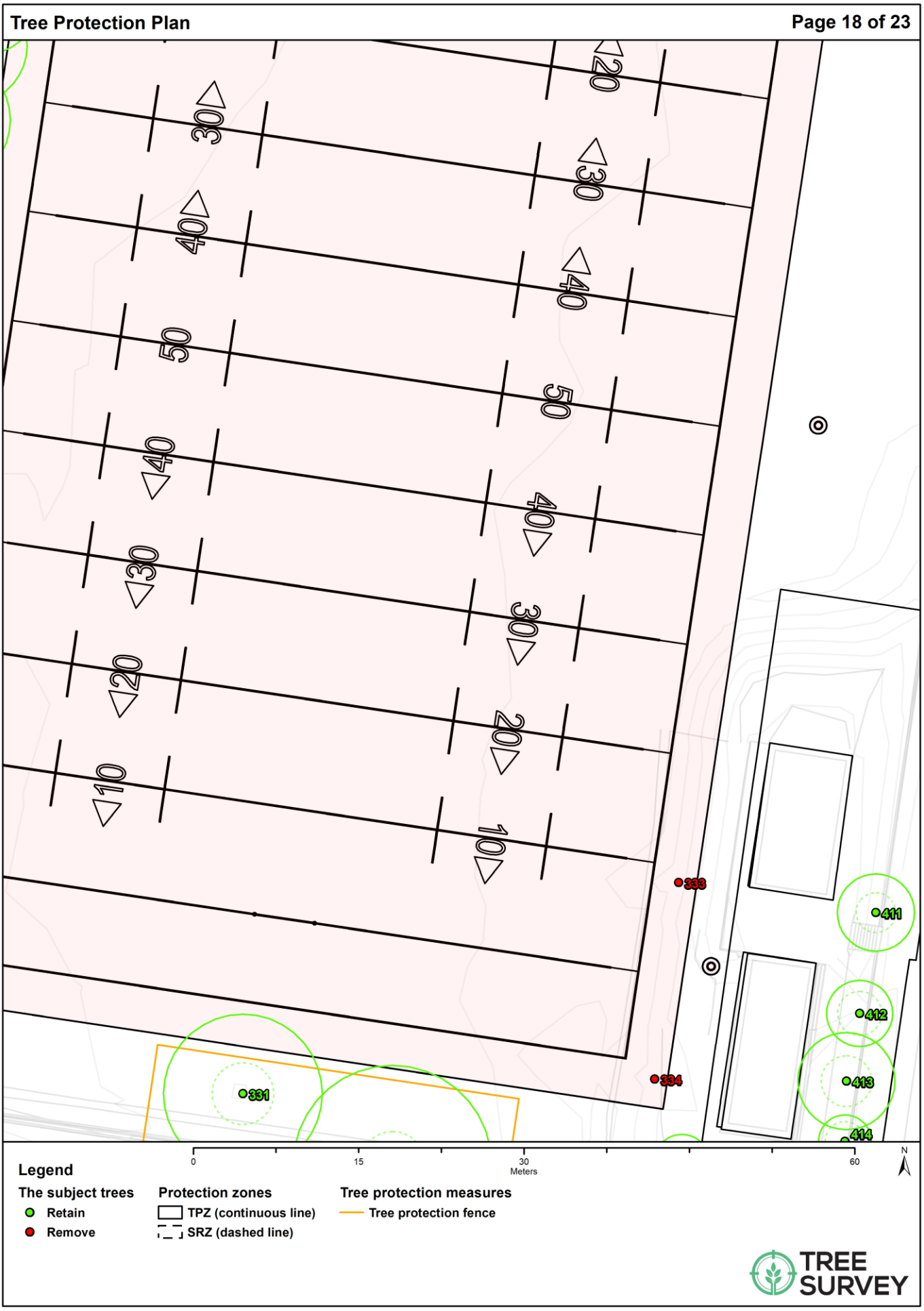
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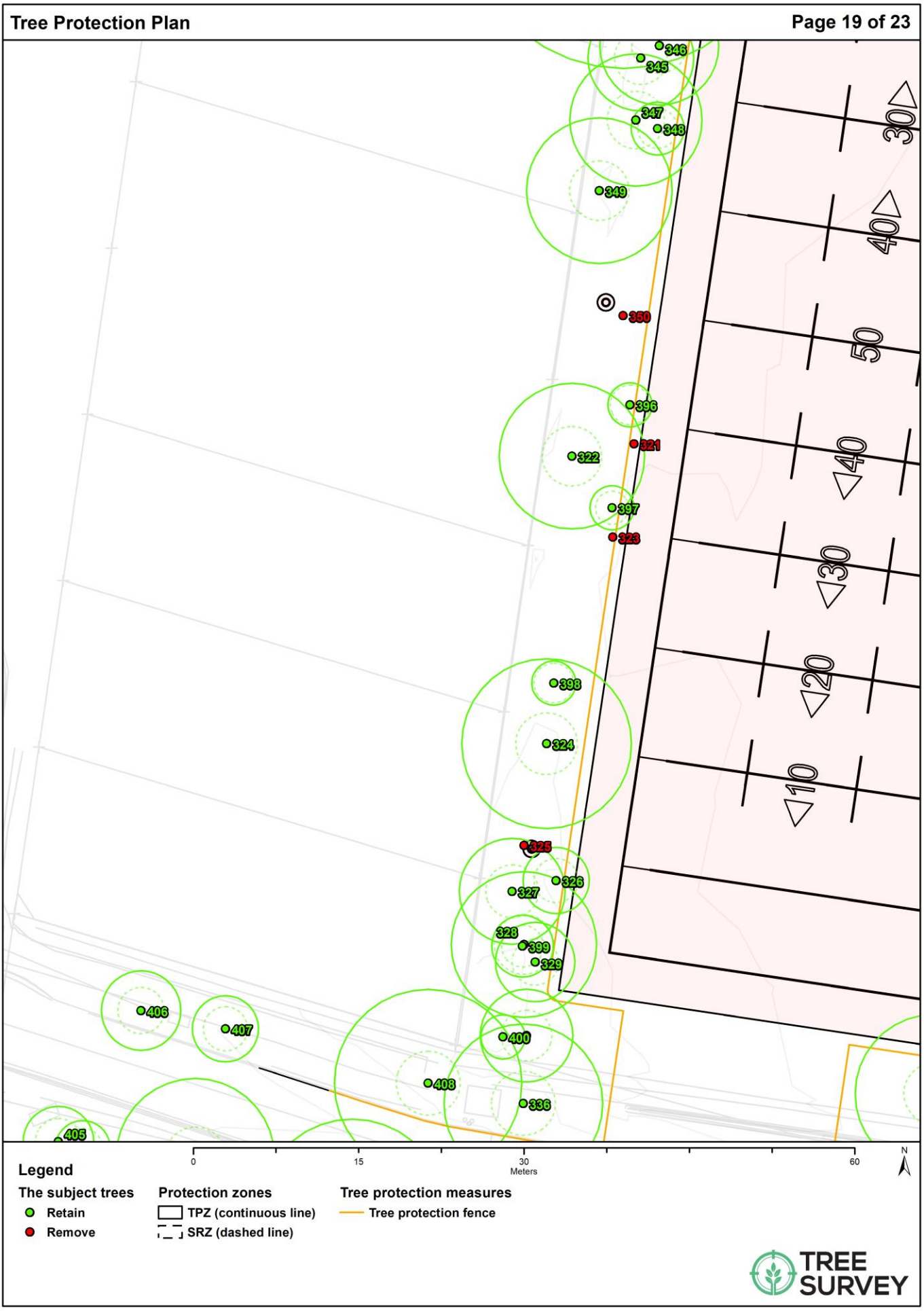
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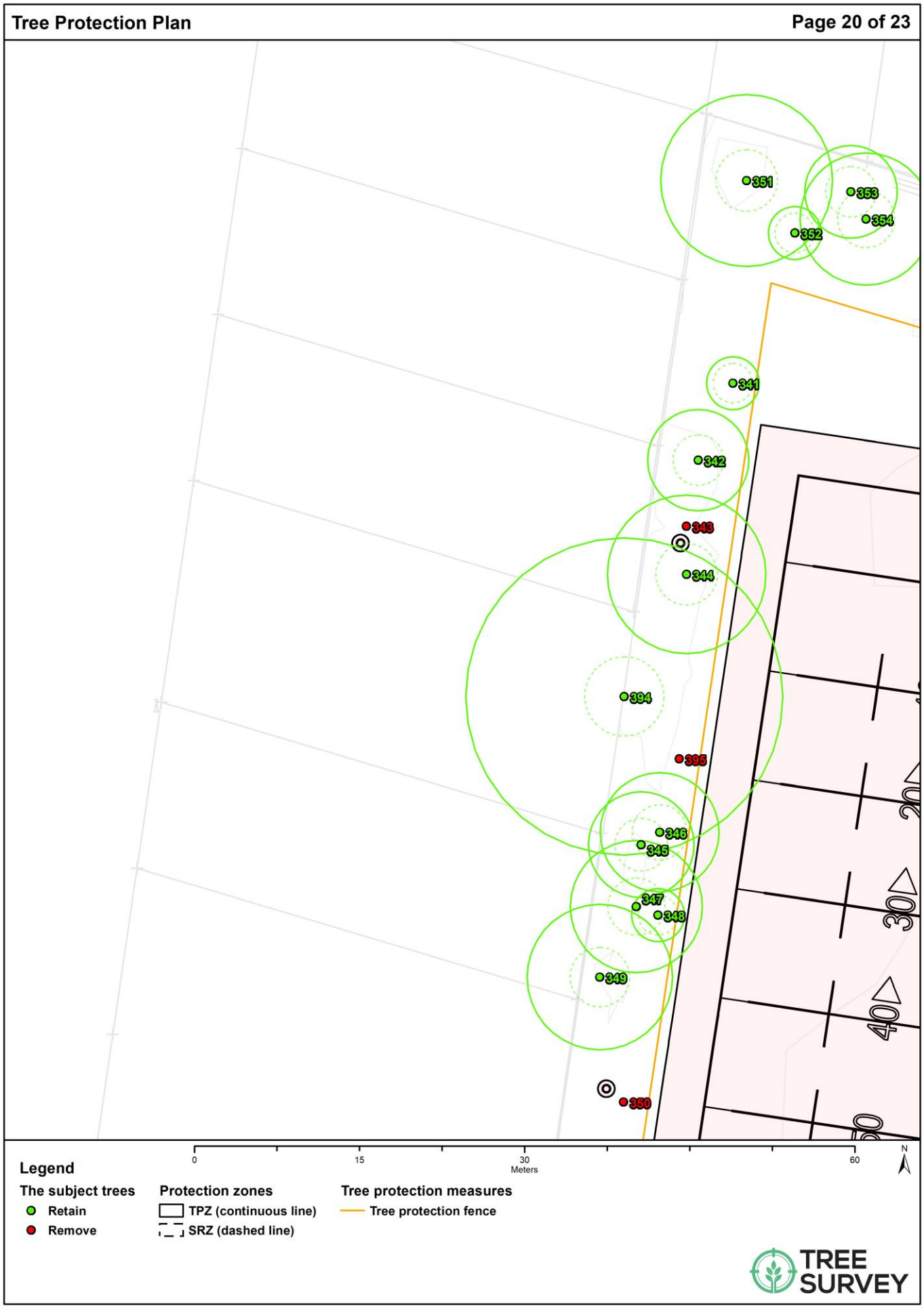
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Page 20 of 23
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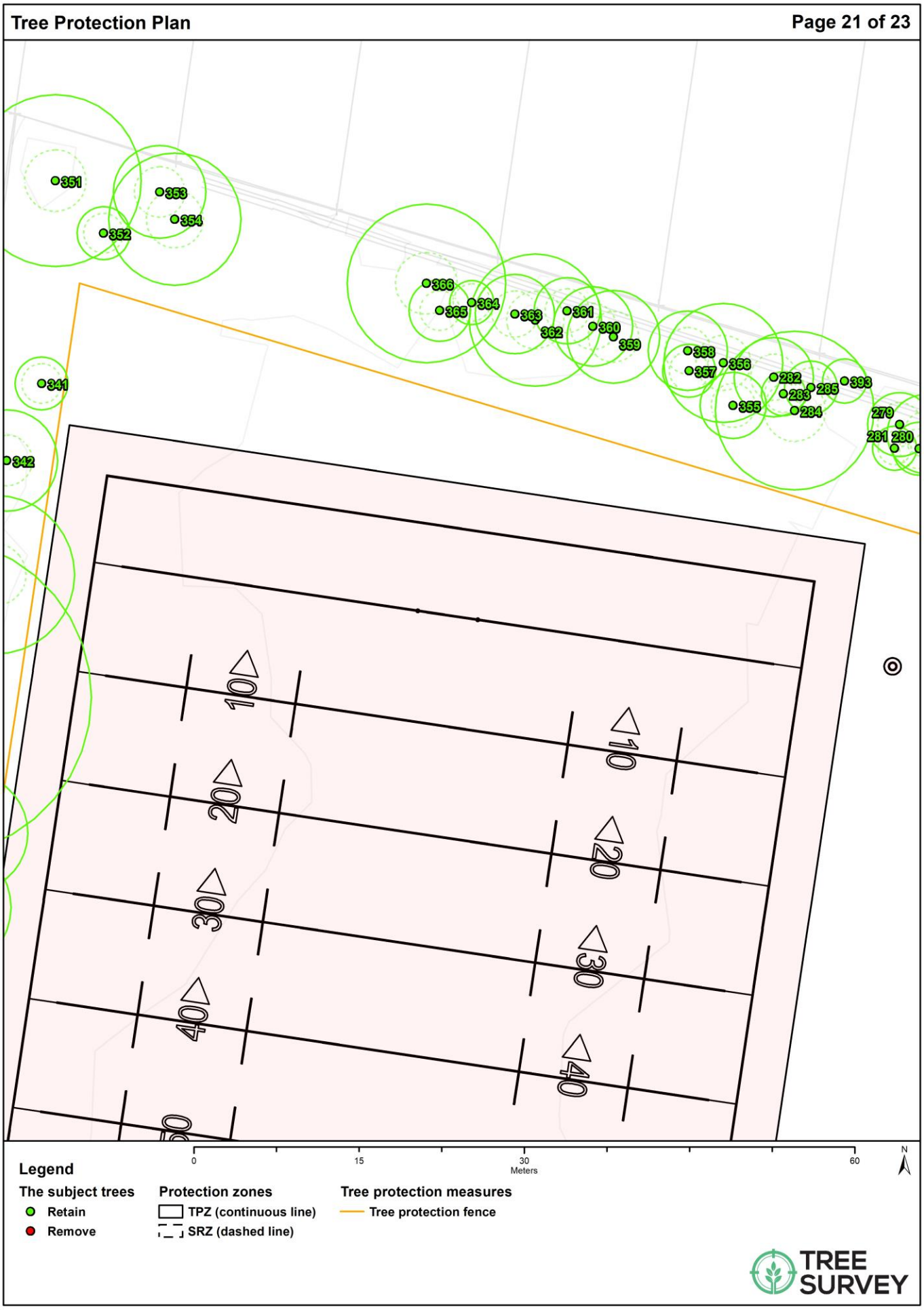
SRZ (dashed line)
Tree protection measures
Tree protection fence
TREE SURVEY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Page 21 of 23
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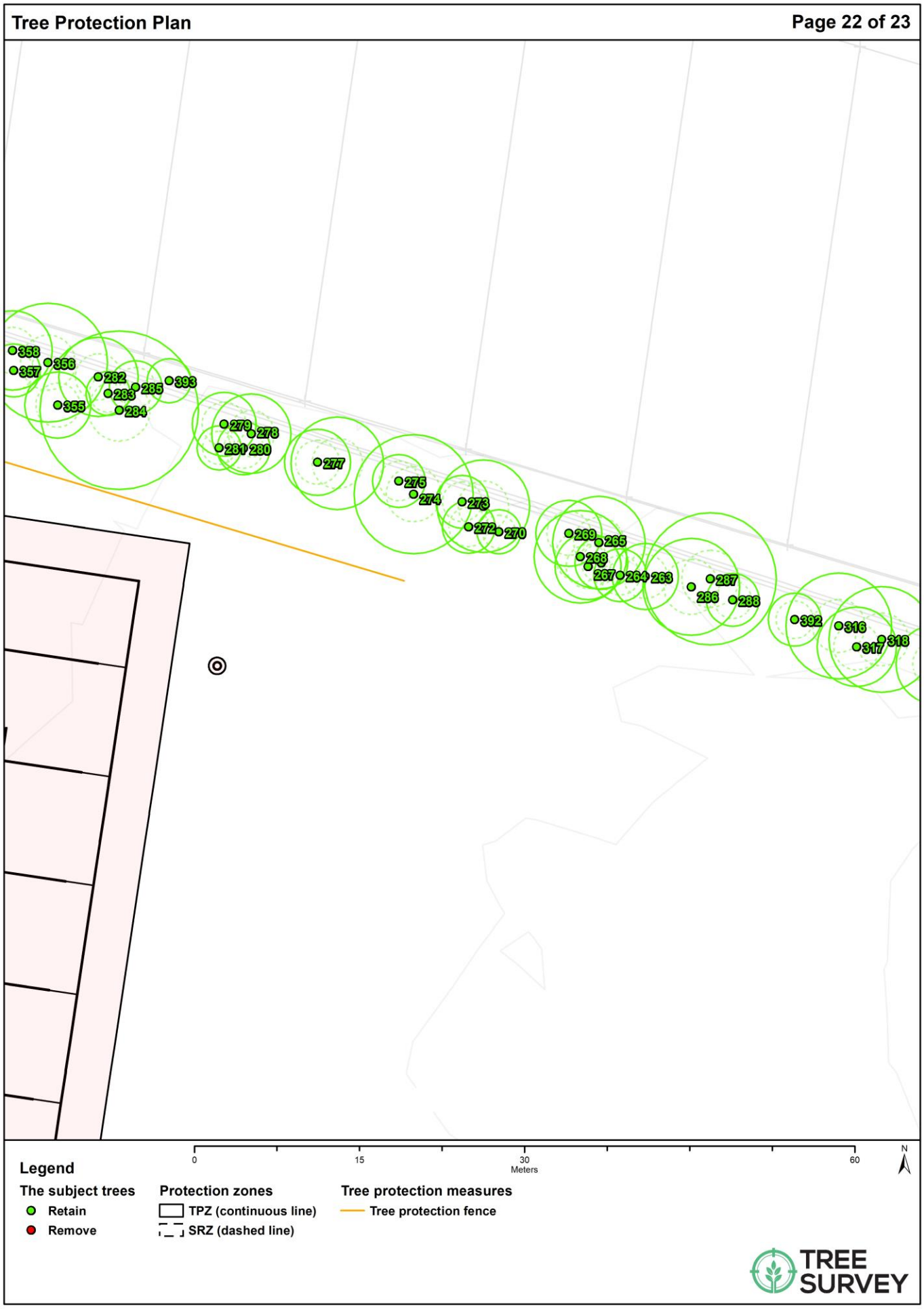
Tree Protection Plan
Page 22 of 23
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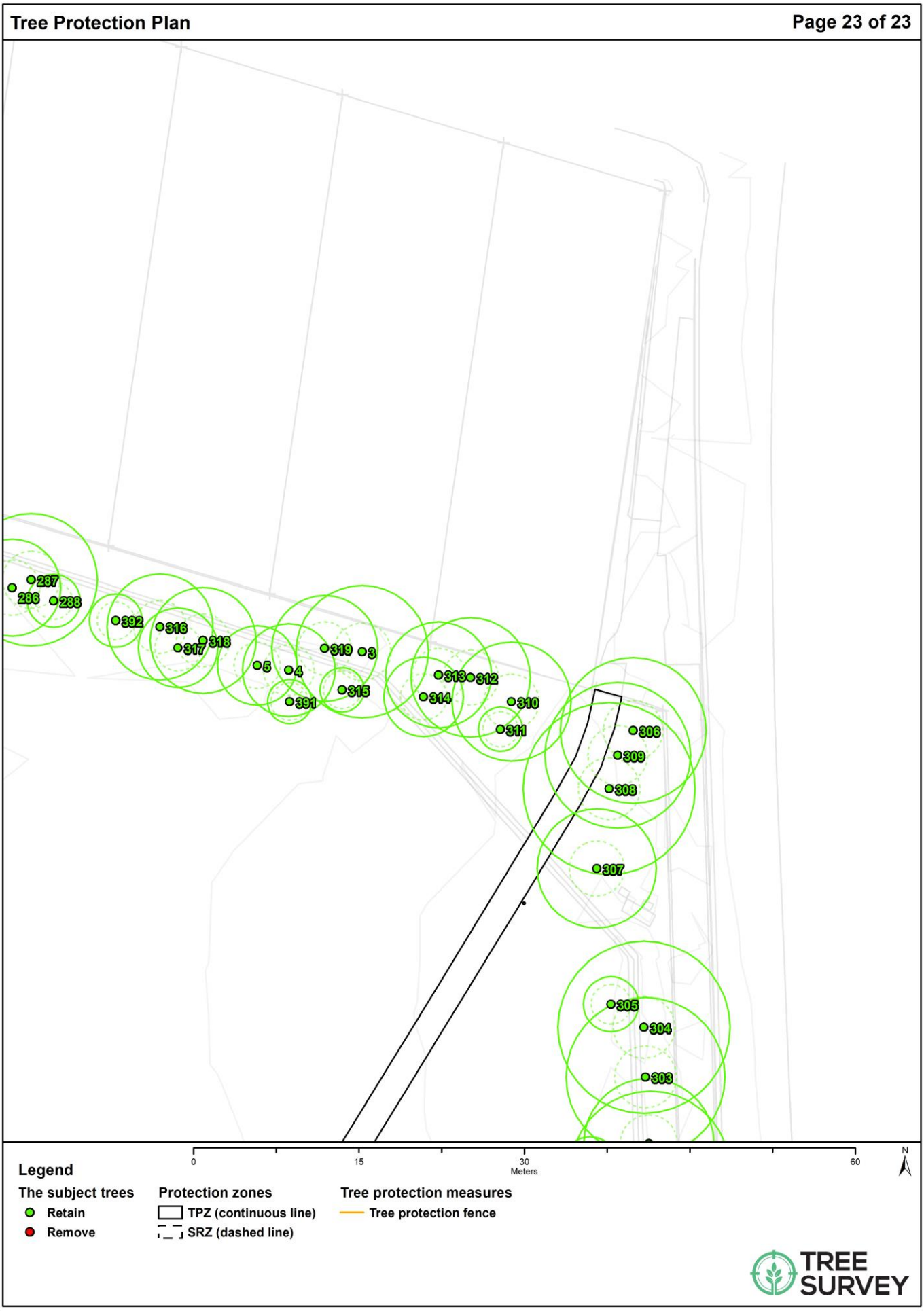
TREE SURVEY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Page 23 of 23
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The subject trees
Retain
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Protection zones
TPZ (continuous line)
SRZ (dashed line)
Tree protection measures
Tree protection fence
TREE SURVEY

# 6 References

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# Appendix I **- STARS© assessment matrix**

The retention value of a tree or group of trees is determined using a combination of environmental, cultural, physical, and social values.

- **Low:** These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.
- **Medium:** These trees are moderately important for retention. Their removal should only be considered if adversely affecting the proposed building/works, and all other alternatives have been considered and exhausted.
- **High:** These trees are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by Australian Standard, AS4970-2009 Protection of trees on development sites.

This tree retention assessment has been undertaken in accordance with the Institute of Australian Consulting Aboriculturalists (IACA) Significance of a Tree, Assessment Rating System (STARS). The system uses a scale of High, Medium, and Low significance in the landscape. Once the landscape significance of a tree has been defined, the retention value can be determined. Each tree must meet a minimum of three (3) assessment criteria to be classified within a category.

## Tree Significance - Assessment Criteria

| Low Significance | Medium Significance | High Significance |
|---|---|---|
| The tree is in fair-poor condition and good or low vigour.<br><br>The tree has form atypical of the species<br><br>The tree is not visible or is partly visible from the surrounding properties or obstructed by other vegetation or buildings<br><br>The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area<br><br>The tree is a young specimen which may or may not have reached dimensions to be protected by local Tree Preservation Orders or similar protection mechanisms and can easily be replaced with a suitable specimen<br><br>The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa in situ – tree is inappropriate to the site conditions<br><br>The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms<br><br>The tree has a wound or defect that has the potential to become structurally unsound. | The tree is in fair to good condition<br><br>The tree has form typical or atypical of the species<br><br>The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area<br><br>The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street<br><br>The tree provides a fair contribution to the visual character and amenity of the local area<br><br>The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa in situ | The tree is in good condition and good vigour<br><br>The tree has a form typical for the species<br><br>The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age.<br><br>The tree is listed as a heritage item, threatened species or part of an endangered ecological community or listed on council's significant tree register<br><br>The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity.<br><br>The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group, or has commemorative values.<br><br>The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa in situ – tree is appropriate to the site conditions. |
| **Environmental Pest / Noxious Weed** | | |
| The tree is an environmental pest species due to its invasiveness or poisonous/allergenic properties.<br><br>The tree is a declared noxious weed by legislation | | |
| **Hazardous / Irreversible Decline** | | |
| The tree is structurally unsound and/or unstable and is considered potentially dangerous.<br><br>The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term. | | |

| Useful Life Expectancy - Assessment Criteria | | | |
|---|---|---|---|
| **Remove** | **Short** | **Medium** | **Long** |
| Trees with a high level of risk that would need removing within the next 5 years.<br><br>Dead trees.<br><br>Trees that should be removed within the next 5 years.<br><br>Dying or suppressed or declining trees through disease or inhospitable conditions.<br><br>Dangerous trees through instability or recent loss of adjacent trees.<br><br>Dangerous trees through structural defects, including cavities, decay, included bark, wounds, or poor form.<br><br>Damaged trees that considered unsafe to retain.<br><br>Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.<br><br>Trees that will become dangerous after removal of other trees for the reasons. | Trees that appear to be retainable with an acceptable level of risk for 5-15 years.<br><br>Trees that may only live between 5 and 15 more years.<br><br>Trees that may live for more than 15 years but would be removed to allow the safe development of more suitable individuals.<br><br>Trees that may live for more than 15 years but would be removed during the course of normal management for safety or nuisance reasons.<br><br>Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term. | Trees that appear to be retainable with an acceptable level of risk for 15-40 years.<br><br>Trees that may only live between 15 and 40 more years.<br><br>Trees that may live for more than 40 years but would be removed to allow the safe development of more suitable individuals.<br><br>Trees that may live for more than 40 years but would be removed during the course of normal management for safety or nuisance reasons.<br><br>Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term. | Trees that appear to be retainable with an acceptable level of risk for more than 40 years.<br><br>Structurally sound trees located in positions that can accommodate future growth.<br><br>Storm damaged or defective trees that could be made suitable for retention in the long term by remedial tree surgery.<br><br>Trees of special significance for historical, commemorative, or rarity reasons that would warrant extraordinary efforts to secure their long-term retention. |

## Tree Significance

| Useful Life Expectancy | High Significance | Medium Significance | Low Significance | Environmental Pest / Noxious Weed | Hazardous / Irreversible Decline |
|---|---|---|---|---|---|
| **Long** >40 years | | | | | |
| **Medium** 15-40 years | | | | | |
| **Short** <1-15 years | | | | | |
| **Dead** | | | | | |

## Legend for Matrix Assessment

| | |
|---|---|
| | **Priority for retention (High):** These trees are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970 Protection of trees on development sites. Tree sensitive construction measures must be implemented if works are to proceed within the Tree Protection Zone. |
| | **Consider for retention (Medium):** These trees may be retained and protected. These are considered less critical; however, their retention should remain priority with the removal considered only if adversely affecting the proposed building/works, and all other alternatives have been considered and exhausted. |
| | **Consider for removal (Low):** These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention. |
| | **Priority for removal (Low):** These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention. |

### Reference

IACA, 2010, IACA Significance of a Tree, Assessment Rating System (STARS)
Institute of Australian Consulting Arboriculturists
Australia, www.iaca.org.au