Revised Arboricultural Assessment & Report

M76 Water Main Renewal

464-590 High Street Road, Mount Waverley

Reynolds Tree Care
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July 2022

Prepared for:
Melbourne Water

1 Name and address of consultants

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Macleod, VIC 3085

2 Instructions

2.1 The instructions provided to Reynolds Tree Care on 11/04/22 by KBR (c/- Melbourne Water) were to provide a revised Arboricultural assessment and report for specific trees located within and near the subject site, the subject site being 464-476 High Street Road, Mount Waverley (Melbourne Water Reservoir) and 1.2km east along High Street Road, part of Mount Waverley Reserve and a section of St Albans Road.

3 Introduction

3.1 The managers of the subject site are proposing to undertake renewal works associated with the M76 Water Main. The renewal works extend from Fleet Street to the west side of the reservoir to 590 High Street Road to the far west. This report examines the arboricultural matters associated with trees within or near the proposed water main renewal alignment.

3.2 I am instructed that the works will consist of lifting and relaying pipe by section, which involves the existing pipe being dug out of the ground, and the new pipe is put back in (all open trench). No trenchless installation is proposed. The open cut trench will be 1300-1600mm wide and 2000-2500mm in depth.

3.3 Under the guidelines of AS4970-2009 (Australian Standard – Protection of trees on development sites), the following report would be defined as an 'Arboricultural impact assessment'. The standard indicates that "*The report will identify possible impacts on trees to be retained. The report will explain design and construction methods proposed to minimize impacts on retained trees where there is encroachment into the calculated TPZ*."

4 Key Objectives

4.1 To undertake a general assessment of specific trees located on or near the subject site.

4.2 To provide an assessment of the subject trees with respect to their overall condition, structure, safety and suitability for preservation.

4.3 To provide recommendations on appropriate strategies to protect the trees during works.

5 Method

5.1 Site and tree inspections were conducted on Thursday 27th January, Tuesday 1st February, 2022 and Monday 4th July, 2022.

5.2 The tree assessment consisted of a visual inspection, which was undertaken with regard to modern arboricultural principles and practices. The assessment did not involve a detailed examination of below ground or internal tree parts. The assessment was undertaken from the

ground to determine species type and condition. Measurements were taken to establish trunk and crown dimensions. No tree samples or site soil samples were taken unless specified.

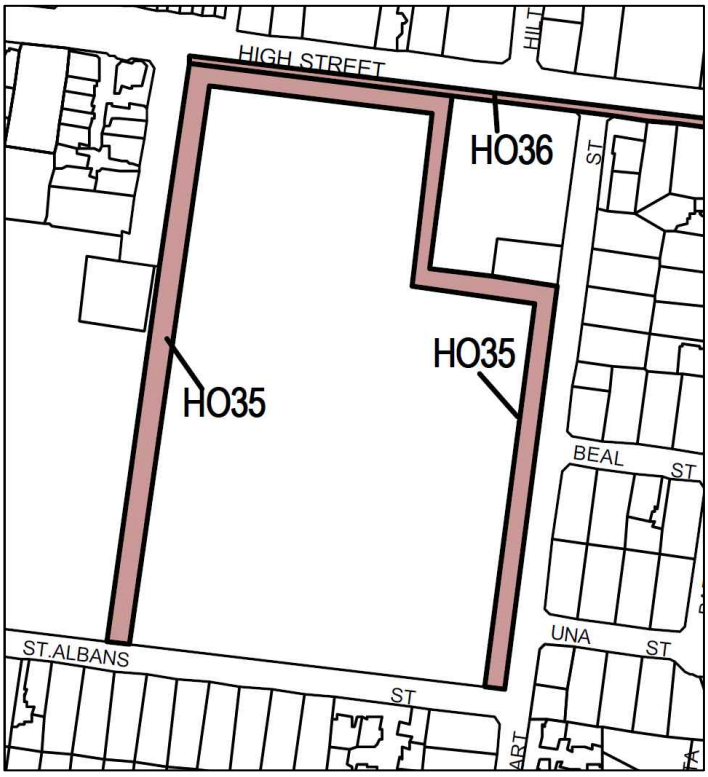
5.3 A feature survey was provided by the client to assist with tree mapping and assessment. The survey and M76 Main alignment are attached as Appendix 3 indicating tree numbers and Tree Protection Zones.

6 Observations

6.1 The study area under review included 464-476 High Street Road, Mount Waverley (Melbourne Water Reservoir) and 1.2km of road reserve east of the reservoir along High Street Road, a section of Mount Waverley Reserve and part of St Albans Street.

6.2 Four hundred and fifty-four (454) trees were assessed in detail as part of the site review. This included 335 trees within the Melbourne Water Reservoir, 19 park trees in Mount Waverley Reserve, 85 street trees located along High Street Road or St Albans Road and 15 neighbouring trees. The detail of each individual tree assessment is provided in table format at Appendix 1. Tree numbers within the assessment table correspond to those provided on the marked-up feature survey plan (Appendix 3).

6.3 Part of the land where a proportion of the assessed trees are situated is influenced by a City of Monash Heritage Overlay (HO) and the Schedule to that Overlay (HO35 & HO36). This is based on a planning property report for the site being obtained from www.planning.vic.gov.au/ on 04/07/22. Tree controls apply to cypress trees and street trees within the areas designated on the plan below.



Under the overlay, a permit is required to:

Remove, destroy or lop a tree if the schedule to this overlay specifies the heritage place as one where tree controls apply. This does not apply:

- *To any action which is necessary to keep the whole or any part of a tree clear of an electric line provided the action is carried out in accordance with a code of practice prepared under Section 86 of the Electricity Safety Act 1998.*

- *If the tree presents an immediate risk of personal injury or damage to property.*

6.4 The Heritage Overlay permit requirements would apply to Trees 1-53, 60-99, 153-236, Tree 411 and Street trees 254-265. The remaining vegetation would be exempt from the Heritage Overlay. Powerline clearance is an exempt activity.

6.5 The City of Monash Tree Conservation Policy (Clause 22.05) also applies to all land. The Tree Conservation Policy adopts the same tree size criteria as the City of Monash Vegetation Protection Overlay (VPO) and Schedule 1 to that Overlay (VPO1), which is "any tree with a trunk circumference greater than 500mm (160mm diameter), at 1200mm above the ground, and higher than 10 metres". The study area is not influenced by the Vegetation Protection Overlay (VPO) and Schedule 1 to that Overlay (VPO1). There are no permit triggers or permit requirements under the Tree Conservation Policy (Clause 22.05).

6.6 The majority of trees examined in the Melbourne Water Reservoir are distant from the proposed works associated with the M76 Water Main Renewal. These trees are included in the report to give context to the overall impact of works, since some trees protected by the Heritage Overlay (HO) and the Schedule to that Overlay (HO35) will require removal. The following trees are distant from the proposed works and no impact is predicted towards them from the renewal works.

- Trees 1-40, 41-53, 55, 60-99, 101-182, 202-241.

6.6.1 The only trees within Melbourne Water Reservoir that may be exposed to impact from the M76 Water Main Renewal are those in number series Tree 183-201, Tree 242 and Tree 362-372.

6.7 There are 19 park trees in Mount Waverley Reserve and 50 street trees located along High Street Road that may be impacted by the proposed works. The M76 Water Main Renewal alignment appears to follow the roadside edge of kerb along the southernmost carriageway of High Street Road.

7 Impact assessment

7.1 The potential impact from works has been determined by overlaying a 1500mm wide trench over the entire alignment. The alignment sits within the kerb at the corner of High Street Road and Fleet Street and progressively moves further away from the kerb as it approaches 590 High Street Road to the far west.

7.2 Based on the proposed alignment the following trees may require removal.

7.2.1 Street trees 250 & 254-272, 300 & 301 (22 trees)

7.2.2 Reservoir trees 183-201, 363, 364, 366 & 367 (23 trees)

7.2.3 Park trees 244-246, 248, 249 and Tree 308 (6 trees)

7.2.4 Neighbouring trees 302, 303, 352, 355, 356, 357 & 358 (7 trees)

7.3 A further consideration regarding the proposed works along High Street Road would be the access requirements for heavy equipment and machinery. The open trench dimensions suggest that large equipment would need to work adjacent to existing street trees. The statutory road clearance requirements for vegetation overhanging the carriageway may be inadequate for equipment and machinery required to extract and relay pipe.

7.3.1 Further street tree removals may be required unless a work method can be developed that considers street tree branches overhanging the roadway.

8 Discussion

The Australian Standard (AS4970-2009) – 'Protection of trees on development sites' puts forward a process for undertaking tree inspections and reports on property where development is being considered. It recommends a preliminary assessment be undertaken to help guide planners and property owners with regard to the preservation of existing trees; that is trees that might contribute to the completed proposal. The standard points out that the preliminary report 'information is to be used by planners, architects and designers, in conjunction with any planning controls and other legislation, to develop the design layout in such a way that trees selected for retention are provided with enough space'.

These assessments typically reveal a range of trees with varying attributes for health, structure and overall value. Some trees may be considered insignificant for their size, age, species type or condition, but they might still be considered for retention because they are situated conveniently on the site. Conversely, some trees may be exceptional for various reasons but there may be no scope for their retention because of their location or other site constraints. An objective of the tree assessment is to determine the trees that may be preferable, in terms of preservation, and to identify poor or insignificant trees that might be easily replaced or replaced with better species.

The mains renewal work will primarily be undertaken in the left citybound lane of High Street Road, extending from 590 High Street Road to the western side of 464-476 High Street Road. There is a connection on the east boundary of 464-476 High Street Road that feeds into the reservoir. A connection also extends down Fleet Street and continues through Mount Waverley Reserve down to St Albans Street.

A preliminary impact assessment indicates that 22 street trees, 23 reservoir trees, 6 park trees and 7 neighbouring trees may need to be removed, unless design modifications are made.

There would appear to be limited scope to avoid removal of the 23 reservoir trees, given the location of the connection points for the main into the reservoir.

The removal of the 6 park trees would also seem unavoidable, given any realignment would likely cause interference to other nearby trees.

There may be scope to avoid the removal of some street trees by confining all renewal works to the High Street roadway, and beyond the kerb and channel. This presumes that a work method can be developed that avoids the need to remove street tree branches overhanging the roadway.

The removal of 5 neighbouring trees located within 478-484 High Street Road would also seem somewhat unavoidable, given their proximity to the proposed works. Trees 302 & 303 are less problematic and they could be retained, provided any open trench work is confined to the nature strip.

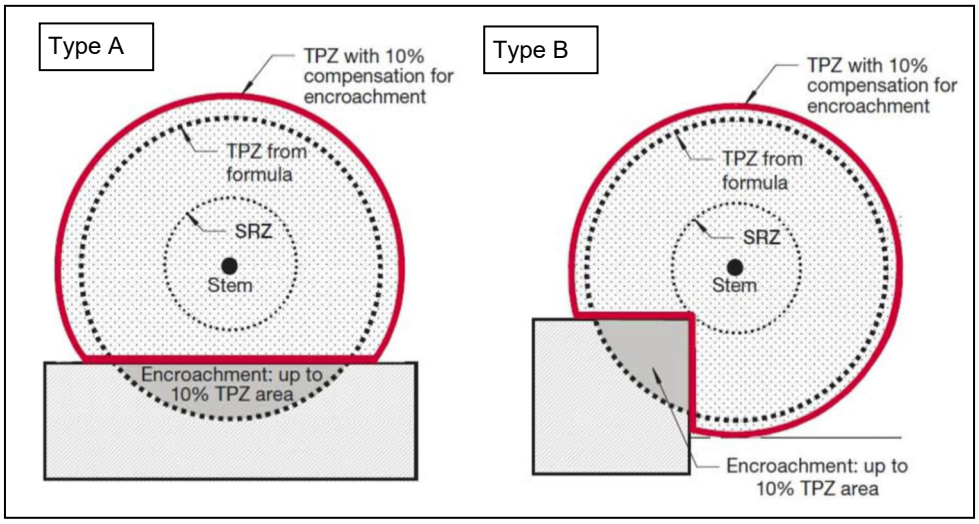
8.1 Tree protection zones on construction sites

The level of encroachment and the impact to specific trees can be estimated by comparing standard or modified tree protection clearances with those clearances provided to trees in the development design. The overall impact on any given tree will be based on the severity of encroachment into the respective tree protection zones. The degree of root activity in the tree protection zone can vary significantly, which can result in more or less severe impacts to trees. The most accurate means (although often impractical) of determining root activity in these zones is

to undertake subsurface root investigations. The alternative to undertaking root investigations is to assign appropriate tree protection zones.

This report adopts AS4970-2009, Australian Standard – Protection of trees on development sites as the preferred tree protection method. The method provides a tree protection zone and a tree protection fencing distance (radial measurement from trunk centre) by using the width of the trunk at 1.4m above ground multiplied by 12. The prescribed TPZ distances are provided for each tree in Appendix 1, and they are illustrated at Appendix 3 for all trees.

There is scope to reduce the tree protection zone by an area of 10% without further investigations. The rationale for any reduced tree protection distance is detailed in AS4970-2009 (*Australian Standard – Protection of trees on development sites*). Under encroachment Type A, it is acceptable to reduce the Tree Protection Zone (TPZ) area by 10%. This translates to a reduction in radial clearance distance of approximately 33% on one side of the tree only. This can be applied if there is contiguous space around the tree for root development to occur. The following diagram, from AS4970-2009, is provided to illustrate the approach.



9 Recommendations

9.1 The Tree Protection Zone and Structural Root Zone has been illustrated on the plans at Appendix 3 for all trees. The protection distances have also been issued back to client as layers in Autocad format for inclusion into more detailed working plans.

9.1.1 It is recommended that these protection distances be incorporated into the working plans with a view to protecting and avoiding the removal of trees.

9.2 Based on the proposed alignment the following trees may require removal.

9.2.1 Street trees 250 & 254-272, 300 & 301 (22 trees) and includes Trees 254-265, which are influenced by the Heritage Overlay permit requirements.

9.2.2 Reservoir trees 183-201, 363, 364, 366 & 367 (23 trees) of which 19 are influenced by the Heritage Overlay permit requirements. Reservoir trees 363, 364, 366 & 367 require no permit to be removed.

9.2.3 Park trees 244-246, 248, 249 and 308 (6 trees).

9.2.4 Neighbouring trees 302, 303, 352, 355, 356, 357 & 358 (7 trees).

9.3 There may be scope to avoid the removal of 19 of the 22 street trees listed above (Tree 254-272) by confining all renewal works to the roadway, and beyond the kerb and channel edge. This

presumes that a work method can be developed that avoids the need to remove street tree branches overhanging the roadway.

9.4 There would appear to be limited scope to avoid removal of the 23 reservoir trees, given the location of the connection points for the water main into the reservoir.

9.5 The removal of the 6 park trees would seem unavoidable, given any realignment of the water main would likely cause interference to other nearby trees.

9.6 The removal of 5 neighbouring trees located within 478-484 High Street would seem somewhat unavoidable, given their proximity to the proposed alignment.

9.7 Tree protection strategies will be required for those trees located immediately outside the works area. This will include the installation of Tree Protection fencing to restrict access and storage of equipment in the Tree Protection Zone of retained trees.

9.8 There would appear to be a further 2 street trees and 2 private trees in Fleet Street that could be impacted by the proposed works, which have not been examined by this report. There is also a row of shrubs and small trees on the west side of 474-482 High Street Road that have not been examined by this report and they will be impacted by the proposed mains connection into the reservoir.

Dean Simonsen (BAppSc *Melb*.)
Consultant Arborist

10 References

Australian Standard – AS 4373 – 2007, *Pruning of Amenity Trees*. Standards Australia

Australian Standard AS 4970 - 2009. *Protection of trees on development sites*. Standards Australia

Tree Assessment Detail - M76 Water Main Renewal
464-590 High Street Road, Mount Waverley

July 2022

Appendix 1

No	SPECIES	COMMON NAME	DBH (cm)	TPZ AS4970 (m)	SRZ AS4970 (m)	HxW (m)	AGE	HEALTH	STRUCTURE	FORM	ULE	COMMENT	TREE TYPE	RETENTION VALUE	RECOMMEND
1	*Cupressus macrocarpa*	Monterey Cypress	71	8.52	2.98	15x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
2	*Cupressus macrocarpa*	Monterey Cypress	92	11.04	3.32	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
3	*Cupressus macrocarpa*	Monterey Cypress	89	10.68	3.28	16x12	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
4	*Cupressus macrocarpa*	Monterey Cypress	40	4.80	2.34	15x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
5	*Cupressus macrocarpa*	Monterey Cypress	72	8.64	3.00	15x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
6	*Cupressus macrocarpa*	Monterey Cypress	77	9.24	3.08	15x11	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
7	*Cupressus macrocarpa*	Monterey Cypress	77	9.24	3.08	15x11	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
8	*Cupressus macrocarpa*	Monterey Cypress	99	11.88	3.43	16x11	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
9	*Cupressus macrocarpa*	Monterey Cypress	48	5.76	2.53	16x11	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
10	*Cupressus macrocarpa*	Monterey Cypress	88	10.56	3.26	17x11	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
11	*Cupressus macrocarpa*	Monterey Cypress	91	10.92	3.31	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
12	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
13	*Cupressus macrocarpa*	Monterey Cypress	129	15.00	3.83	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
14	*Cupressus macrocarpa*	Monterey Cypress	102	12.24	3.47	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
15	*Cupressus macrocarpa*	Monterey Cypress	100	12.00	3.44	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
16	*Cupressus macrocarpa*	Monterey Cypress	75	9.00	3.05	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
17	*Cupressus macrocarpa*	Monterey Cypress	75	9.00	3.05	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
18	*Cupressus macrocarpa*	Monterey Cypress	64	7.68	2.85	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
19	*Cupressus macrocarpa*	Monterey Cypress	69	8.28	2.94	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
20	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
21	*Cupressus macrocarpa*	Monterey Cypress	78	9.36	3.10	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
22	*Cupressus macrocarpa*	Monterey Cypress	112	13.44	3.61	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
23	*Cupressus macrocarpa*	Monterey Cypress	46	5.52	2.48	17x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
24	*Cupressus macrocarpa*	Monterey Cypress	112	13.44	3.61	17x13	Maturing	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
25	*Cupressus macrocarpa*	Monterey Cypress	91	10.92	3.31	17x13	Maturing	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
26	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	17x11	Maturing	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
27	*Cupressus macrocarpa*	Monterey Cypress	109	13.08	3.57	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
28	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
29	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
30	*Cupressus macrocarpa*	Monterey Cypress	89	10.68	3.28	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
31	*Cupressus macrocarpa*	Monterey Cypress	86	10.32	3.23	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
32	*Cupressus macrocarpa*	Monterey Cypress	84	10.08	3.20	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
33	*Cupressus macrocarpa*	Monterey Cypress	97	11.64	3.40	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
34	*Cupressus macrocarpa*	Monterey Cypress	101	12.12	3.45	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
35	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	17x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
36	*Cupressus macrocarpa*	Monterey Cypress	114	13.68	3.63	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Broken hanging branches	Exotic conifer	Low	Consider removal
37	*Cupressus macrocarpa*	Monterey Cypress	112	13.44	3.61	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
38	*Cupressus macrocarpa*	Monterey Cypress	112	13.44	3.61	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
39	*Cupressus macrocarpa*	Monterey Cypress	108	12.96	3.55	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
40	*Cupressus macrocarpa*	Monterey Cypress	173	15.00	4.33	18x16	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
41	*Cupressus macrocarpa*	Monterey Cypress	165	15.00	4.25	18x16	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Limbfall evidence	Exotic conifer	Low	Consider removal
42	*Cupressus macrocarpa*	Monterey Cypress	113	13.56	3.62	19x15	Maturing	Fair	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
43	*Cupressus macrocarpa*	Monterey Cypress	112	13.44	3.61	19x11	Maturing	Fair	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
44	*Cupressus macrocarpa*	Monterey Cypress	81	9.72	3.15	19x15	Maturing	Fair	Fair to Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
45	*Cupressus macrocarpa*	Monterey Cypress	83	9.96	3.18	18x11	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
46	*Cupressus macrocarpa*	Monterey Cypress	106	12.72	3.52	19x11	Maturing	Fair	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
47	*Cupressus macrocarpa*	Monterey Cypress	86	10.32	3.23	19x11	Maturing	Fair	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
48	*Cupressus macrocarpa*	Monterey Cypress	88	10.56	3.26	19x11	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
49	*Cupressus macrocarpa*	Monterey Cypress	102	12.24	3.47	19x11	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
50	*Cupressus macrocarpa*	Monterey Cypress	91	10.92	3.31	19x11	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
51	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	19x10	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
52	*Cupressus macrocarpa*	Monterey Cypress	143	15.00	4.00	19x10	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Crownlifted	Exotic conifer	Low	Consider removal
53	*Cupressus macrocarpa*	Monterey Cypress	130	15.00	3.84	19x10	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Adjacent HV wires, Crownlifted	Exotic conifer	Low	Consider removal
55	*Cupressus macrocarpa*	Monterey Cypress	36	4.32	2.24	11x7	Semi-mature	Fair	Fair	Symmetric	15 to 30 years	Tree 55	Exotic conifer	Low	Consider removal
56	*Cupressus macrocarpa*	Monterey Cypress	NA	NA	NA	NA	NA	NA	NA	NA	NA	Tree 56 removed	Exotic conifer	None	Tree removed
60	*Cupressus macrocarpa*	Monterey Cypress	110	13.20	3.58	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
61	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
62	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
63	*Cupressus macrocarpa*	Monterey Cypress	65	7.80	2.87	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
64	*Cupressus macrocarpa*	Monterey Cypress	85	10.20	3.21	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
65	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
66	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
67	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
68	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
69	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
70	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
71	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
72	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
73	*Cupressus macrocarpa*	Monterey Cypress	85	10.20	3.21	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
74	*Cupressus macrocarpa*	Monterey Cypress	75	9.00	3.05	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
75	*Cupressus macrocarpa*	Monterey Cypress	80	9.60	3.13	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
76	*Cupressus macrocarpa*	Monterey Cypress	80	9.60	3.13	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
77	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
78	*Cupressus macrocarpa*	Monterey Cypress	80	9.60	3.13	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
79	*Cupressus macrocarpa*	Monterey Cypress	75	9.00	3.05	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
80	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
81	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
82	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
83	*Cupressus macrocarpa*	Monterey Cypress	80	9.60	3.13	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
84	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
85	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x8	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
86	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x7	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
87	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x7	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal

Tree Assessment Detail - M76 Water Main Renewal
464-590 High Street Road, Mount Waverley

July 2022

Appendix 1

No	SPECIES	COMMON NAME	DBH (cm)	TPZ AS4970 (m)	SRZ AS4970 (m)	HxW (m)	AGE	HEALTH	STRUCTURE	FORM	ULE	COMMENT	TREE TYPE	RETENTION VALUE	RECOMMEND
88	*Cupressus macrocarpa*	Monterey Cypress	60	7.20	2.77	14x7	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
89	*Cupressus macrocarpa*	Monterey Cypress	70	8.40	2.96	14x7	Maturing	Fair	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
90	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Crownlifted, Powerline pruned, Adjacent H	Exotic conifer	Low	Consider removal
91	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Crownlifted, Powerline pruned, Adjacent H	Exotic conifer	Low	Consider removal
92	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Crownlifted, Powerline pruned, Adjacent H	Exotic conifer	Low	Consider removal
93	*Cupressus macrocarpa*	Monterey Cypress	113	13.56	3.62	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
94	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
95	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
96	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	16x9	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Consider removal
97	*Cupressus macrocarpa*	Monterey Cypress	29	3.48	2.04	10x15	Semi-mature	Poor	Poor	Manipulated	1 to 5 years	Powerline pruned, Adjacent HV wires	Exotic conifer	Low	Remove
98	*Cupressus macrocarpa*	Monterey Cypress	25	3.00	1.92	7x4	Semi-mature	Very Poor	Very poor	Manipulated	1 to 5 years	Near dead	Exotic conifer	Low	Remove
99	*Cupressus macrocarpa*	Monterey Cypress	29	3.48	2.04	11x4	Semi-mature	Poor	Poor	Manipulated	1 to 5 years		Exotic conifer	Low	Remove
101	*Cupressus macrocarpa*	Monterey Cypress	84	10.08	3.20	18x12	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
102	*Cupressus macrocarpa*	Monterey Cypress	92	11.04	3.32	18x12	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
103	*Cupressus macrocarpa*	Monterey Cypress	93	11.16	3.34	18x12	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
104	*Cupressus macrocarpa*	Monterey Cypress	96	11.52	3.38	17x12	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
105	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
106	*Cupressus macrocarpa*	Monterey Cypress	98	11.76	3.41	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
107	*Cupressus macrocarpa*	Monterey Cypress	106	12.72	3.52	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
108	*Cupressus macrocarpa*	Monterey Cypress	111	13.32	3.59	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
109	*Cupressus macrocarpa*	Monterey Cypress	125	15.00	3.78	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
110	*Cupressus macrocarpa*	Monterey Cypress	135	15.00	3.90	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
111	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
112	*Cupressus macrocarpa*	Monterey Cypress	110	13.20	3.58	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
113	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
114	*Cupressus macrocarpa*	Monterey Cypress	110	13.20	3.58	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
115	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
116	*Cupressus macrocarpa*	Monterey Cypress	110	13.20	3.58	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
117	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
118	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
119	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
120	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
121	*Cupressus macrocarpa*	Monterey Cypress	120	14.40	3.71	18x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
122	*Cupressus macrocarpa*	Monterey Cypress	47	5.64	2.50	14x9	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years	122	Exotic conifer	Low	Could be retained
123	*Cupressus macrocarpa*	Monterey Cypress	130	15.00	3.84	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
124	*Cupressus macrocarpa*	Monterey Cypress	95	11.40	3.37	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
125	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
126	*Cupressus macrocarpa*	Monterey Cypress	93	11.16	3.34	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
127	*Cupressus macrocarpa*	Monterey Cypress	99	11.88	3.43	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
128	*Cupressus macrocarpa*	Monterey Cypress	121	14.52	3.73	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
129	*Cupressus macrocarpa*	Monterey Cypress	150	15.00	4.08	16x13	Maturing	Fair to Poor	Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
130	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	14x9	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years	130	Exotic conifer	Low	Could be retained
133	*Cupressus macrocarpa*	Monterey Cypress	15	2.00	1.55	6x3	Semi-mature	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
134	*Cupressus macrocarpa*	Monterey Cypress	80	9.60	3.13	15x9	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Exotic conifer	Low	Consider removal
135	*Cupressus macrocarpa*	Monterey Cypress	75	9.00	3.05	15x9	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Exotic conifer	Low	Consider removal
136	*Cupressus macrocarpa*	Monterey Cypress	90	10.80	3.29	15x9	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Exotic conifer	Low	Consider removal
138	*Cupressus macrocarpa* 'Saligna Aurea'	Weeping Golden Monterey Cypress	74	8.88	3.03	13x9	Semi-mature	Poor	Failed	Asymmetric	0 years	Half of tree has failed	Exotic conifer	None	Remove
139	*Cupressus macrocarpa* 'Saligna Aurea'	Weeping Golden Monterey Cypress	82	9.84	3.16	13x10	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
140	*Cupressus macrocarpa*	Monterey Cypress	60	7.20	2.77	12x6	Semi-mature	Fair to Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
141	*Cupressus macrocarpa*	Monterey Cypress	52	6.24	2.61	12x6	Semi-mature	Fair to Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
142	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	12x6	Semi-mature	Poor	Poor	Symmetric	1 to 5 years	Top is dead	Exotic conifer	Low	Consider removal
143	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	12x6	Semi-mature	Fair to Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
144	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	12x6	Semi-mature	Fair to Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
145	*Cupressus macrocarpa*	Monterey Cypress	55	6.60	2.67	12x6	Semi-mature	Fair to Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
146	*Cupressus glabra*	Smooth Arizona Cypress	40	4.80	2.34	9x3	Semi-mature	Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
150	*Cupressus glabra*	Smooth Arizona Cypress	25	3.00	1.92	6x3	Semi-mature	Fair to Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
151	*Cupressus glabra*	Smooth Arizona Cypress	60	7.20	2.77	13x6	Semi-mature	Poor	Poor	Symmetric	5 to 15 years	Top is dead	Exotic conifer	Low	Consider removal
152	*Cupressus glabra*	Smooth Arizona Cypress	70	8.40	2.96	14x10	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Exotic conifer	Low	Consider removal
153	*XCupressocyparis leylandii*	Leyland Cypress	30,25,20 (43.9)	5.27	2.43	10x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
154	*XCupressocyparis leylandii*	Leyland Cypress	22,20 (29.7)	3.56	2.06	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
155	*XCupressocyparis leylandii*	Leyland Cypress	35	4.20	2.21	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
156	*Cupressus macrocarpa*	Monterey Cypress	26	3.12	1.95	9x5	Semi-mature	Fair	Fair	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
157	*XCupressocyparis leylandii*	Leyland Cypress	40	4.80	2.34	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
158	*Cupressus macrocarpa*	Monterey Cypress	25	3.00	1.92	9x5	Semi-mature	Fair	Fair	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
159	*XCupressocyparis leylandii*	Leyland Cypress	35,25 (43)	5.16	2.41	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
160	*XCupressocyparis leylandii*	Leyland Cypress	35,25 (43)	5.16	2.41	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
161	*XCupressocyparis leylandii*	Leyland Cypress	25,25 (35.4)	4.25	2.22	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
162	*XCupressocyparis leylandii*	Leyland Cypress	30,25 (39.1)	4.69	2.32	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
163	*XCupressocyparis leylandii*	Leyland Cypress	40	4.80	2.34	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
164	*XCupressocyparis leylandii*	Leyland Cypress	30,20,20 (41.2)	4.94	2.37	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
165	*XCupressocyparis leylandii*	Leyland Cypress	25,25,20 (40.6)	4.87	2.35	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
166	*XCupressocyparis leylandii*	Leyland Cypress	35	4.20	2.21	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
167	*XCupressocyparis leylandii*	Leyland Cypress	35	4.20	2.21	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
168	*XCupressocyparis leylandii*	Leyland Cypress	35,15 (38.1)	4.57	2.29	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
169	*XCupressocyparis leylandii*	Leyland Cypress	26,15 (30)	3.60	2.07	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
170	*XCupressocyparis leylandii*	Leyland Cypress	30	3.60	2.07	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
171	*XCupressocyparis leylandii*	Leyland Cypress	25,20,20 (37.7)	4.52	2.28	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
172	*XCupressocyparis leylandii*	Leyland Cypress	20,20,20,5 (35)	4.20	2.21	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
173	*Cupressus macrocarpa*	Monterey Cypress	35	4.20	2.21	9x5	Semi-mature	Fair	Fair	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
174	*XCupressocyparis leylandii*	Leyland Cypress	30,25,20 (43.9)	5.27	2.43	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
175	*XCupressocyparis leylandii*	Leyland Cypress	25,25,20 (40.6)	4.87	2.35	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
176	*XCupressocyparis leylandii*	Leyland Cypress	30,22,22 (43.2)	5.18	2.42	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
177	*XCupressocyparis leylandii*	Leyland Cypress	25,25,13 (37.7)	4.52	2.28	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal

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Appendix 1

No	SPECIES	COMMON NAME	DBH (cm)	TPZ AS4970 (m)	SRZ AS4970 (m)	HxW (m)	AGE	HEALTH	STRUCTURE	FORM	ULE	COMMENT	TREE TYPE	RETENTION VALUE	RECOMMEND
178	*XCupressocyparis leylandii*	Leyland Cypress	30,20,15 (39.1)	4.69	2.32	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
179	*XCupressocyparis leylandii*	Leyland Cypress	30,25,15,15 (44.4)	5.33	2.44	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
180	*XCupressocyparis leylandii*	Leyland Cypress	25,22 (33.3)	4.00	2.17	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
181	*Cupressus macrocarpa*	Monterey Cypress	42	5.04	2.39	11x9	Semi-mature	Fair	Fair	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
182	*XCupressocyparis leylandii*	Leyland Cypress	25,15,15 (32.8)	3.94	2.15	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
183	*XCupressocyparis leylandii*	Leyland Cypress	30,30,20 (46.9)	5.63	2.50	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
184	*XCupressocyparis leylandii*	Leyland Cypress	20,20,20,15 (37.7)	4.52	2.28	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
185	*XCupressocyparis leylandii*	Leyland Cypress	30,25,20 (43.9)	5.27	2.43	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
186	*XCupressocyparis leylandii*	Leyland Cypress	30,25,20 (43.9)	5.27	2.43	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
187	*XCupressocyparis leylandii*	Leyland Cypress	25,25,25 (43.3)	5.20	2.42	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
188	*XCupressocyparis leylandii*	Leyland Cypress	30,35 (46.1)	5.53	2.48	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
189	*XCupressocyparis leylandii*	Leyland Cypress	30,25,25,1 (46.4)	5.57	2.49	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
190	*XCupressocyparis leylandii*	Leyland Cypress	30,25,25,1 (46.4)	5.57	2.49	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
191	*XCupressocyparis leylandii*	Leyland Cypress	30,25,25,1 (46.4)	5.57	2.49	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
192	*XCupressocyparis leylandii*	Leyland Cypress	30,25,20,14 (46.1)	5.53	2.48	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
193	*XCupressocyparis leylandii*	Leyland Cypress	28,25,25,20 (49.3)	5.92	2.55	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
194	*XCupressocyparis leylandii*	Leyland Cypress	40,23,23 (51.6)	6.19	2.60	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
195	*XCupressocyparis leylandii*	Leyland Cypress	35,20.2,15 (43.1)	5.17	2.41	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
196	*XCupressocyparis leylandii*	Leyland Cypress	25,25,25,12 (44.9)	5.39	2.46	9x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
197	*XCupressocyparis leylandii*	Leyland Cypress	-3,22,22 (31.3)	3.76	2.11	9x5	Semi-mature	Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
198	*XCupressocyparis leylandii*	Leyland Cypress	27,26,20,16 (45.4)	5.45	2.47	9x5	Semi-mature	Poor	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
199	*XCupressocyparis leylandii*	Leyland Cypress	25,25,20 (40.6)	4.87	2.35	10x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
200	*XCupressocyparis leylandii*	Leyland Cypress	25,23,23,23,20 (51.1)	6.13	2.59	10x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
201	*XCupressocyparis leylandii*	Leyland Cypress	50,25 (55.9)	6.71	2.69	11x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
202	*XCupressocyparis leylandii*	Leyland Cypress	29,29,24 (47.5)	5.70	2.51	11x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
203	*Cupressus macrocarpa*	Monterey Cypress	25	3.00	1.92	9x6	Semi-mature	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
204	*XCupressocyparis leylandii*	Leyland Cypress	30,25,20 (43.9)	5.27	2.43	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
205	*XCupressocyparis leylandii*	Leyland Cypress	33,25 (41.4)	4.97	2.37	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
206	*XCupressocyparis leylandii*	Leyland Cypress	36,29,20 (50.4)	6.05	2.58	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
207	*XCupressocyparis leylandii*	Leyland Cypress	40,35 (53.2)	6.38	2.64	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
208	*XCupressocyparis leylandii*	Leyland Cypress	35,30 (46.1)	5.53	2.48	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
209	*XCupressocyparis leylandii*	Leyland Cypress	40,30 (50)	6.00	2.57	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
210	*XCupressocyparis leylandii*	Leyland Cypress	35,25,20 (47.4)	5.69	2.51	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
211	*XCupressocyparis leylandii*	Leyland Cypress	40,30,25 (55.9)	6.71	2.69	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
212	*XCupressocyparis leylandii*	Leyland Cypress	50,45 (67.3)	8.08	2.91	13x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
213	*XCupressocyparis leylandii*	Leyland Cypress	50,30,25,25 (68.2)	8.18	2.93	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
214	*XCupressocyparis leylandii*	Leyland Cypress	50,45,45 (80.9)	9.71	3.15	12x6	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic conifer	Low	Consider removal
215	*Chamaecyparis lawsoniana*	Lawson's Cypress	24	2.88	1.89	9x4	Semi-mature	Fair	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
216	*Chamaecyparis lawsoniana*	Lawson's Cypress	39	4.68	2.31	12x5	Semi-mature	Fair	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
217	*Chamaecyparis lawsoniana*	Lawson's Cypress	41	4.92	2.36	11x5	Semi-mature	Fair	Fair to Poor	Asymmetric	5 to 15 years		Exotic conifer	Low	Consider removal
218	*Chamaecyparis lawsoniana*	Lawson's Cypress	12,13 (17.7)	2.12	1.66	6x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
219	*Chamaecyparis lawsoniana*	Lawson's Cypress	20	2.40	1.75	8x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
220	*Chamaecyparis lawsoniana*	Lawson's Cypress	14	2.00	1.50	8x3	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
221	*Chamaecyparis lawsoniana*	Lawson's Cypress	18	2.16	1.67	9x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
222	*Chamaecyparis lawsoniana*	Lawson's Cypress	14	2.00	1.50	6x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
223	*Chamaecyparis lawsoniana*	Lawson's Cypress	13	2.00	1.50	5x3	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
224	*Chamaecyparis lawsoniana*	Lawson's Cypress	31	3.72	2.10	12x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
225	*Chamaecyparis lawsoniana*	Lawson's Cypress	15	2.00	1.55	8x3	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
226	*Chamaecyparis lawsoniana*	Lawson's Cypress	17	2.04	1.63	6x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
227	*Chamaecyparis lawsoniana*	Lawson's Cypress	15	2.00	1.55	6x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
228	*Chamaecyparis lawsoniana*	Lawson's Cypress	9	2.00	1.50	5x3	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
229	*Chamaecyparis lawsoniana*	Lawson's Cypress	12	2.00	1.50	6x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
230	*Chamaecyparis lawsoniana*	Lawson's Cypress	13	2.00	1.50	6x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
231	*Chamaecyparis lawsoniana*	Lawson's Cypress	45	5.40	2.46	14x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
232	*Chamaecyparis lawsoniana*	Lawson's Cypress	30	3.60	2.07	11x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
233	*Chamaecyparis lawsoniana*	Lawson's Cypress	36	4.32	2.24	12x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
234	*Chamaecyparis lawsoniana*	Lawson's Cypress	34	4.08	2.18	13x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
235	*Chamaecyparis lawsoniana*	Lawson's Cypress	22	2.64	1.82	9x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
236	*Chamaecyparis lawsoniana*	Lawson's Cypress	44	5.28	2.43	14x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
237	*Chamaecyparis lawsoniana*	Lawson's Cypress	50	6.00	2.57	14x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
238	*Chamaecyparis lawsoniana*	Lawson's Cypress	23	2.76	1.85	11x4	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
239	*Chamaecyparis lawsoniana*	Lawson's Cypress	29	3.48	2.04	11x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
240	*Chamaecyparis lawsoniana*	Lawson's Cypress	30	3.60	2.07	12x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
241	*Chamaecyparis lawsoniana*	Lawson's Cypress	38	4.56	2.29	13x5	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Suppressed	Exotic conifer	Low	Consider removal
242	*Acacia floribunda*	Gossamer Wattle	28	3.36	2.01	10x11	Maturing	Fair to Poor	Very poor	Asymmetric	0 years		Victorian native	None	Remove
243	*Callistemon citrinus*	Crimson Bottlebrush	12,11,6 (17.3)	2.08	1.64	3x4	Semi-mature	Fair	Poor	Symmetric	15 to 30 years		Victorian native	Low	Park tree
244	*Corymbia citriodora*	Lemon-scented Gum	63	7.56	2.83	18x16	Semi-mature	Fair	Fair	Minor asymmetry	30 to 50 years		Australian native	Moderate	Park tree
245	*Corymbia citriodora*	Lemon-scented Gum	67	8.04	2.91	20x16	Semi-mature	Fair	Fair	Minor asymmetry	30 to 50 years		Australian native	Moderate	Park tree
246	*Eucalyptus nicholii*	Narrow-leaved Peppermint	57	6.84	2.72	11x9	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years	Trunk decay-cavity	Australian native	Low	Park tree
247	*Eucalyptus cephalocarpa*	Mealy Stringybark	57	6.84	2.72	13x9	Semi-mature	Poor	Poor	Minor asymmetry	1 to 5 years	In severe decline, Decay on back side of le	Victorian native	Low	Park tree
248	*Eucalyptus macrorhyncha*	Red Stringybark	49,48 (68.6)	8.23	2.94	14x9	Semi-mature	Fair	Poor	Asymmetric	15 to 30 years	Bifurcation of main stem with included bar	Victorian native	Low	Park tree
249	*Eucalyptus leucoxylon*	Yellow Gum	70	8.40	2.96	15x11	Semi-mature	Fair	Fair	Asymmetric	30 to 50 years		Victorian native	Moderate	Park tree
250	*Callistemon viminalis*	Weeping Bottlebrush	25	3.00	1.92	4x5	Semi-mature	Fair	Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Street tree
251	*Callistemon viminalis*	Weeping Bottlebrush	9	2.00	1.50	4x3	Semi-mature	Fair	Fair	Asymmetric	15 to 30 years		Australian native	Low	Street tree
252	*Callistemon viminalis*	Weeping Bottlebrush	14,8,8 (18)	2.16	1.67	5x5	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years		Australian native	Low	Street tree
253	*Callistemon viminalis*	Weeping Bottlebrush	7,7,7 (12.1)	2.00	1.50	4x5	Semi-mature	Fair	Poor	Asymmetric	15 to 30 years		Australian native	Low	Street tree
254	*Quercus suber*	Cork Oak	35	4.20	2.21	5x6	Semi-mature	Poor	Poor	Minor asymmetry	5 to 15 years		Exotic evergreen	Low	Street tree
255	*Quercus canariensis*	Algerian Oak	36	4.32	2.24	9x10	Semi-mature	Poor	Fair to Poor	Asymmetric	15 to 30 years		Exotic deciduous	Low	Street tree
256	*Quercus canariensis*	Algerian Oak	45	5.40	2.46	7x11	Semi-mature	Poor	Fair to Poor	Asymmetric	15 to 30 years		Exotic deciduous	Low	Street tree
257	*Quercus canariensis*	Algerian Oak	45	5.40	2.46	9x9	Semi-mature	Poor	Poor	Asymmetric	15 to 30 years		Exotic deciduous	Low	Street tree
258	*Quercus canariensis*	Algerian Oak	37	4.44	2.26	9x9	Semi-mature	Poor	Fair to Poor	Asymmetric	15 to 30 years		Exotic deciduous	Low	Street tree
259	*Quercus canariensis*	Algerian Oak	42	5.04	2.39	10x12	Semi-mature	Poor	Fair to Poor	Asymmetric	15 to 30 years		Exotic deciduous	Low	Street tree
260	*Quercus canariensis*	Algerian Oak	55	6.60	2.67	8x10	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Exotic deciduous	Low	Street tree

Tree Assessment Detail - M76 Water Main Renewal
464-590 High Street Road, Mount Waverley

July 2022

Appendix 1

No	SPECIES	COMMON NAME	DBH (cm)	TPZ AS4970 (m)	SRZ AS4970 (m)	HxW (m)	AGE	HEALTH	STRUCTURE	FORM	ULE	COMMENT	TREE TYPE	RETENTION VALUE	RECOMMEND
261	*Quercus canariensis*	Algerian Oak	66	7.92	2.89	9x12	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Exotic deciduous	Low	Street tree
262	*Lophostemon confertus*	Brush Box	20	2.40	1.75	5x4	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
263	*Lophostemon confertus*	Brush Box	48	5.76	2.53	8x10	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
264	*Quercus canariensis*	Algerian Oak	67	8.04	2.91	12x12	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Exotic deciduous	Low	Street tree
265	*Quercus canariensis*	Algerian Oak	85	10.20	3.21	9x12	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Exotic deciduous	Low	Street tree
266	*Melaleuca styphelioides*	Prickly-leaved Paperbark	42	5.04	2.39	9x11	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
267	*Lophostemon confertus*	Brush Box	35	4.20	2.21	7x7	Semi-mature	Fair	Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
268	*Lophostemon confertus*	Brush Box	43	5.16	2.41	8x8	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
269	*Lophostemon confertus*	Brush Box	45	5.40	2.46	8x8	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
270	*Lophostemon confertus*	Brush Box	19	2.28	1.71	6x6	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
271	*Lophostemon confertus*	Brush Box	21	2.52	1.78	5x5	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
272	*Lophostemon confertus*	Brush Box	24	2.88	1.89	5x6	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
273	*Lophostemon confertus*	Brush Box	43	5.16	2.41	9x10	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
274	*Lophostemon confertus*	Brush Box	52	6.24	2.61	9x11	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
275	*Lophostemon confertus*	Brush Box	20	2.40	1.75	6x6	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
276	*Lophostemon confertus*	Brush Box	21	2.52	1.78	7x5	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
277	*Lophostemon confertus*	Brush Box	48	5.76	2.53	9x10	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
278	*Lophostemon confertus*	Brush Box	26	3.12	1.95	6x7	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
279	*Lophostemon confertus*	Brush Box	20	2.40	1.75	6x5	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
280	*Lophostemon confertus*	Brush Box	49	5.88	2.55	8x9	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
281	*Lophostemon confertus*	Brush Box	60	7.20	2.77	9x9	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
282	*Lophostemon confertus*	Brush Box	27	3.24	1.98	8x8	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
283	*Lophostemon confertus*	Brush Box	16	2.00	1.59	5x4	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
284	*Lophostemon confertus*	Brush Box	13,9,9 (18.2)	2.18	1.68	5x4	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
285	*Lophostemon confertus*	Brush Box	19	2.28	1.71	5x5	Semi-mature	Fair	Fair to Poor	Manipulated	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
286	*Eucalyptus botryoides*	Southern Mahogany	50,32,15 (61.2)	7.34	2.80	17x12	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years	Acute primary branch attachment, HV adja	Victorian native	Low	Street tree
287	*Eucalyptus scoparia*	Wallangarra White Gum	35	4.20	2.21	8x9	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Street tree
288	*Corymbia maculata*	Spotted Gum	30	3.60	2.07	9x8	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years	Powerline pruned	Victorian native	Low	Street tree
289	*Corymbia citriodora*	Lemon-scented Gum	47	5.64	2.50	15x15	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years	Powerline pruned	Australian native	Low	Street tree
290	*Corymbia citriodora*	Lemon-scented Gum	60	7.20	2.77	20x18	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years	Adjacent HV wires, Powerline pruned	Australian native	Low	Street tree
291	*Eucalyptus scoparia*	Wallangarra White Gum	60	7.20	2.77	13x14	Semi-mature	Fair to Poor	Poor	Asymmetric	5 to 15 years	Fungal bracket lower trunk, Powerline prur	Australian native	Low	Street tree
292	*Corymbia citriodora*	Lemon-scented Gum	47	5.64	2.50	15x15	Semi-mature	Fair	Fair	Minor asymmetry	15 to 30 years		Australian native	Moderate	Street tree
293	*Melaleuca styphelioides*	Prickly-leaved Paperbark	62	7.44	2.81	10x6	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years	Muliple bifurcations with included bark	Australian native	Low	Street tree
294	*Corymbia citriodora*	Lemon-scented Gum	35	4.20	2.21	15x10	Semi-mature	Fair	Fair	Minor asymmetry	30 to 50 years		Australian native	Moderate	Street tree
295	*Corymbia citriodora*	Lemon-scented Gum	66	7.92	2.89	19x14	Semi-mature	Fair	Fair	Minor asymmetry	30 to 50 years		Australian native	Moderate	Street tree
296	*Corymbia citriodora*	Lemon-scented Gum	52	6.24	2.61	16x14	Semi-mature	Fair	Fair	Asymmetric	30 to 50 years		Australian native	Moderate	Street tree
297	*Corymbia citriodora*	Lemon-scented Gum	36	4.32	2.24	13x11	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Street tree
298	*Corymbia citriodora*	Lemon-scented Gum	52	6.24	2.61	14x12	Semi-mature	Fair	Fair	Minor asymmetry	30 to 50 years		Australian native	Moderate	Street tree
299	*Lophostemon confertus*	Brush Box	38	4.56	2.29	11x7	Semi-mature	Fair	Fair	Minor asymmetry	15 to 30 years		Australian native	Low	Street tree
300	*Malus sp.*	Apple	10	2.00	1.50	2x2	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
301	*Malus sp.*	Apple	10	2.00	1.50	2x2	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
302	*Melaleuca linariifolia*	Snow in Summer	90	10.80	3.29	8x10	Maturing	Fair	Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Neighbour's tree
303	*Pittosporum undulatum*	Sweet Pittosporum	55	6.60	2.67	8x12	Maturing	Fair	Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Neighbour's tree
304	*Diospyros kaki*	Persimmon	15	2.00	1.55	3x4	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Neighbour's tree
305	*Citrus sp.*	Citrus Tree	10	2.00	1.50	2x2	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Exotic evergreen	Low	Neighbour's tree
306	*Malus Xdomestica*	Apple	20	2.40	1.75	6x5	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Neighbour's tree
307	*Callistemon citrinus*	Crimson Bottlebrush	20,19,10 (29.3)	3.52	2.05	4x5	Semi-mature	Fair	Poor	Symmetric	15 to 30 years		Victorian native	Low	Park Tree
308	*Eucalyptus cephalocarpa*	Mealy Stringybark	16,11,10,10 (24)	2.88	1.89	7x7	Semi-mature	Fair	Poor	Stump re-sprout	5 to 15 years		Victorian native	Low	Park Tree
309	*Eucalyptus leucoxylon*	Yellow Gum	76	9.12	3.06	18x17	Maturing	Fair	Fair to Poor	Asymmetric	15 to 30 years	Trunk decay	Victorian native	Low	Park Tree
310	*Corymbia citriodora*	Lemon-scented Gum	54	6.48	2.65	19x18	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years	Limbfall evidence	Australian native	Low	Park Tree
311	*Eucalyptus leucoxylon*	Yellow Gum	85	10.20	3.21	16x17	Maturing	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years	Sparse crown	Victorian native	Low	Park Tree
312	*Eucalyptus leucoxylon*	Yellow Gum	52	6.24	2.61	15x17	Maturing	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years	Sparse crown	Victorian native	Low	Park Tree
313	*Corymbia citriodora*	Lemon-scented Gum	46,32 (56)	6.72	2.70	16x14	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years	Bifurcation at base with included bark	Australian native	Low	Park Tree
314	*Eucalyptus sp.*	Gum Tree	18	2.16	1.67	10x5	Semi-mature	Fair	Fair to Poor	Symmetric	15 to 30 years		Australian native	Low	Park Tree
315	*Eucalyptus leucoxylon*	Yellow Gum	40	4.80	2.34	12x14	Semi-mature	Fair to Poor	Fair	Minor asymmetry	15 to 30 years		Victorian native	Low	Park Tree
316	*Eucalyptus leucoxylon*	Yellow Gum	71	8.52	2.98	12x14	Maturing	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Victorian native	Low	Park Tree
317	*Corymbia maculata*	Spotted Gum	33	3.96	2.16	15x7	Semi-mature	Fair	Fair	Symmetric	30 to 50 years		Victorian native	Moderate	Park Tree
318	*Corymbia maculata*	Spotted Gum	30	3.60	2.07	15x6	Semi-mature	Fair	Fair	Symmetric	30 to 50 years		Victorian native	Moderate	Park Tree
319	*Malus sp.*	Apple	5	2.00	1.50	3x2	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Exotic deciduous	Low	Street tree
320	*Malus sp.*	Apple	5	2.00	1.50	2x2	Semi-mature	Fair	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
321	*Malus sp.*	Apple	2	2.00	1.50	2x1	Semi-mature	Fair to Poor	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
322	*Prunus sp.*	Almond, Cherry, Peach, Plum	3	2.00	1.50	2x1	Semi-mature	Fair to Poor	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
323	*Malus sp.*	Apple	3	2.00	1.50	2x1	Semi-mature	Fair to Poor	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
324	*Malus sp.*	Apple	4	2.00	1.50	2x2	Semi-mature	Fair	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
325	*Malus sp.*	Apple	4	2.00	1.50	4x4	Semi-mature	Fair	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
326	*Prunus serrula*	Smooth-barked Cherry	10	2.00	1.50	3x4	Semi-mature	Fair	Fair to Poor	Minor asymmetry	5 to 15 years		Exotic deciduous	Low	Street tree
327	*Malus sp.*	Apple	7	2.00	1.50	4x3	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
328	*Malus sp.*	Apple	5	2.00	1.50	3x3	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
329	*Malus sp.*	Apple	3	2.00	1.50	2x2	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
330	*Malus sp.*	Apple	3	2.00	1.50	2x1	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
331	*Malus sp.*	Apple	5	2.00	1.50	2x2	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
332	*Malus sp.*	Apple	1	2.00	1.50	1x1	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
333	*Malus sp.*	Apple	7	2.00	1.50	3x3	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
334	*Melaleuca linariifolia*	Snow in Summer	35	4.20	2.21	6x5	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Australian native	Low	Street tree
335	*Prunus cerasifera*	Cherry-plum	7	2.00	1.50	4x3	Semi-mature	Fair	Poor	Asymmetric	0 years	Woody weed	Exotic deciduous	None	Street tree
336	*Quercus sp.*	Oak	2	2.00	1.50	2x1	Young	Fair	Fair	Symmetric	15 to 30 years		Exotic deciduous	Low	Street tree
337	*Malus sp.*	Apple	10	2.00	1.50	3x3	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
338	*Callistemon 'Kings Park Special'*	King's Park Special Bottlebrush	19,14 (23.6)	2.83	1.87	5x6	Semi-mature	Fair	Fair to Poor	Major asymmetry	5 to 15 years		Australian native	Low	Street tree
339	*Malus sp.*	Apple	10	2.00	1.50	3x3	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
340	*Prunus cerasifera*	Cherry-plum	8,8 (11.3)	2.00	1.50	4x3	Semi-mature	Poor	Poor	Asymmetric	0 years	Woody weed	Exotic deciduous	None	Street tree
341	*Malus sp.*	Apple	12	2.00	1.50	4x4	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
342	*Malus sp.*	Apple	9	2.00	1.50	3x2	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
343	*Melaleuca linariifolia*	Snow in Summer	35	4.20	2.21	5x5	Semi-mature	Fair	Poor	Manipulated	5 to 15 years	Powerline pruned	Australian native	Low	Street tree

Tree Assessment Detail - M76 Water Main Renewal
464-590 High Street Road, Mount Waverley

July 2022

Appendix 1

No	SPECIES	COMMON NAME	DBH (cm)	TPZ AS4970 (m)	SRZ AS4970 (m)	HxW (m)	AGE	HEALTH	STRUCTURE	FORM	ULE	COMMENT	TREE TYPE	RETENTION VALUE	RECOMMEND
344	*Prunus cerasifera*	Cherry-plum	9	2.00	1.50	4x4	Semi-mature	Poor	Poor	Asymmetric	0 years	Woody weed	Exotic deciduous	None	Street tree
345	*Malus sp.*	Apple	3	2.00	1.50	2x2	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
346	*Malus sp.*	Apple	10	2.00	1.50	4x4	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
347	*Prunus cerasifera*	Cherry-plum	12	2.00	1.50	4x4	Semi-mature	Fair	Poor	Minor asymmetry	0 years	Woody weed	Exotic deciduous	None	Street tree
348	*Malus sp.*	Apple	15	2.00	1.55	3x4	Semi-mature	Fair	Fair to Poor	Symmetric	5 to 15 years		Exotic deciduous	Low	Street tree
349	*Corymbia citriodora*	Lemon-scented Gum	45	5.40	2.46	19x14	Semi-mature	Fair	Fair	Minor asymmetry	15 to 30 years		Australian native	Low	Street tree
350	*Corymbia citriodora*	Lemon-scented Gum	44	5.28	2.43	19x12	Semi-mature	Fair	Fair	Asymmetric	15 to 30 years		Australian native	Low	Street tree
351	*Corymbia citriodora*	Lemon-scented Gum	47	5.64	2.50	20x18	Semi-mature	Fair	Fair	Minor asymmetry	15 to 30 years		Australian native	Low	Street tree
352	*Cupressus macrocarpa*	Monterey Cypress	47,30 (55.8)	6.70	2.69	14x15	Semi-mature	Poor	Poor	Minor asymmetry	1 to 5 years	Top is dead	Exotic conifer	Low	Neighbour's tree
353	*Cupressus macrocarpa*	Monterey Cypress	22,20 (29.7)	3.56	2.06	9x7	Semi-mature	Fair	Poor	Asymmetric	1 to 5 years		Exotic conifer	Low	Neighbour's tree
354	*Hakea laurina*	Pincushion Hakea	10	2.00	1.50	5x4	Semi-mature	Fair	Poor	Minor asymmetry	1 to 5 years		Australian native	Low	Neighbour's tree
355	*Pittosporum tenuifolium*	Kohuhu	10	2.00	1.50	4x3	Semi-mature	Poor	Poor	Minor asymmetry	1 to 5 years		Exotic evergreen	Low	Neighbour's tree
356	*Callistemon 'Kings Park Special'*	King's Park Special Bottlebrush	15	2.00	1.55	4x4	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Neighbour's tree
357	*Callistemon 'Kings Park Special'*	King's Park Special Bottlebrush	10	2.00	1.50	3x3	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years		Australian native	Low	Neighbour's tree
358	*Hakea salicifolia*	Willow-leaved Hakea	14,12 (18.4)	2.21	1.69	7x5	Semi-mature	Fair	Poor	Asymmetric	0 years	Woody weed	Australian native	None	Neighbour's tree
359	*Callistemon citrinus*	Crimson Bottlebrush	10	2.00	1.50	3x2	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Victorian native	Low	Neighbour's tree
360	*Eucalyptus sp.*	Gum Tree	46	5.52	2.48	7x8	Semi-mature	Poor	Poor	Asymmetric	1 to 5 years		Australian native	Low	Neighbour's tree
361	*Acacia sp.*	Wattle Tree	15	2.00	1.55	5x5	Semi-mature	Fair	Poor	Asymmetric	1 to 5 years		Australian native	Low	Neighbour's tree
362	*Cotoneaster pannosus*	Silverleaf Cotoneaster	30	3.60	2.07	6x7	Maturing	Fair	Poor	Symmetric	0 years	Woody weed	Exotic evergreen	None	Remove
363	*Cotoneaster pannosus*	Silverleaf Cotoneaster	20	2.40	1.75	5x5	Maturing	Fair	Poor	Symmetric	0 years	Woody weed	Exotic evergreen	None	Remove
364	*Cotoneaster pannosus*	Silverleaf Cotoneaster	20	2.40	1.75	5x5	Maturing	Fair	Poor	Symmetric	0 years	Woody weed	Exotic evergreen	None	Remove
365	*Pittosporum undulatum*	Sweet Pittosporum	10	2.00	1.50	5x3	Semi-mature	Fair	Fair	Symmetric	0 years	Woody weed	Victorian native	None	Remove
366	*Acacia floribunda*	Gossamer Wattle	32	3.84	2.13	8x6	Maturing	Fair	Poor	Symmetric	0 years	Woody weed	Victorian native	None	Remove
367	*Acacia floribunda*	Gossamer Wattle	25	3.00	1.92	9x7	Maturing	Poor	Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
368	*Pittosporum undulatum*	Sweet Pittosporum	10	2.00	1.50	5x3	Semi-mature	Fair	Fair	Symmetric	0 years	Woody weed	Victorian native	None	Remove
369	*Pittosporum undulatum*	Sweet Pittosporum	6	2.00	1.50	4x3	Semi-mature	Fair	Poor	Asymmetric	0 years	Woody weed	Victorian native	None	Remove
370	*Cotoneaster pannosus*	Silverleaf Cotoneaster	20	2.40	1.75	6x6	Maturing	Fair	Poor	Symmetric	0 years	Woody weed	Exotic evergreen	None	Remove
371	*Cotoneaster glaucophyllus*	Grey-leafed Cotoneaster	20	2.40	1.75	5x6	Maturing	Fair	Poor	Asymmetric	0 years	Woody weed	Exotic evergreen	None	Remove
372	*Syzygium paniculatum*	Magenta Cherry	32,21,16 (41.5)	4.98	2.38	9x8	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years	Bifurcation of main stem with included bark	Australian native	Low	Remove
373	*Eucalyptus cephalocarpa*	Mealy Stringybark	69	8.28	2.94	17x17	Maturing	Poor	Fair to Poor	Minor asymmetry	5 to 15 years	In severe decline	Victorian native	Low	Could be retained
374	*Cupressus macrocarpa*	Monterey Cypress	10	2.00	1.50	5x2	Semi-mature	Fair	Fair	Symmetric	30 to 50 years		Exotic conifer	Low	Could be retained
375	*Melaleuca lanceolata*	Moonah	43,31,15 (55.1)	6.61	2.68	9x10	Maturing	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years		Victorian native	Low	Could be retained
376	*Melaleuca lanceolata*	Moonah	24,22 (32.6)	3.91	2.15	8x8	Maturing	Fair to Poor	Poor	Major asymmetry	5 to 15 years		Victorian native	Low	Could be retained
377	*Melaleuca lanceolata*	Moonah	43,24 (49.2)	5.90	2.55	9x10	Maturing	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years		Victorian native	Low	Could be retained
378	*Melaleuca lanceolata*	Moonah	45	5.40	2.46	6x8	Maturing	Fair to Poor	Fair to Poor	Major asymmetry	5 to 15 years		Victorian native	Low	Could be retained
379	*Melaleuca lanceolata*	Moonah	30	3.60	2.07	7x10	Maturing	Fair to Poor	Fair to Poor	Major asymmetry	5 to 15 years		Victorian native	Low	Could be retained
380	*Melaleuca styphelioides*	Prickly-leaved Paperbark	45	5.40	2.46	12x8	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years	Major limbfall evidence	Australian native	Low	Could be retained
381	*Melaleuca styphelioides*	Prickly-leaved Paperbark	50,50 (70.7)	8.48	2.97	12x10	Maturing	Fair	Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Could be retained
382	*Eucalyptus spathulata*	Swamp Mallet	40	4.80	2.34	10x10	Maturing	Fair	Fair to Poor	Asymmetric	15 to 30 years	Trunk cankers	Australian native	Low	Could be retained
383	*Eucalyptus spathulata*	Swamp Mallet	20	2.40	1.75	8x5	Semi-mature	Poor	Fair to Poor	Asymmetric	5 to 15 years		Australian native	Low	Remove
384	*Callitris glaucophylla*	White Cypress Pine	10	2.00	1.50	5x2	Semi-mature	Fair to Poor	Fair	Symmetric	5 to 15 years		Native conifer	Low	Could be retained
385	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	10x3	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Native conifer	Low	Could be retained
386	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	9x4	Semi-mature	Fair	Poor	Symmetric	5 to 15 years	Muliple bifurcations with included bark	Native conifer	Low	Remove
387	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	9x4	Semi-mature	Fair	Poor	Symmetric	5 to 15 years		Native conifer	Low	Remove
388	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	7x5	Semi-mature	Fair	Poor	Manipulated	5 to 15 years	Powerline pruned	Native conifer	Low	Remove
389	*Eucalyptus spathulata*	Swamp Mallet	31	3.72	2.10	12x7	Maturing	Fair	Poor	Asymmetric	1 to 5 years	Trunk cankers	Australian native	Low	Remove
390	*Callitris glaucophylla*	White Cypress Pine	10	2.00	1.50	5x3	Semi-mature	Fair	Poor	Asymmetric	5 to 15 years		Native conifer	Low	Could be retained
391	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	10x4	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
392	*Callitris glaucophylla*	White Cypress Pine	17	2.04	1.63	10x2	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
393	*Callitris glaucophylla*	White Cypress Pine	20	2.40	1.75	8x2	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
394	*Eucalyptus spathulata*	Swamp Mallet	28	3.36	2.01	12x7	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years	Trunk cankers	Australian native	Low	Could be retained
395	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	10x3	Semi-mature	Fair to Poor	Poor	Manipulated	5 to 15 years	Powerline pruned	Native conifer	Low	Remove
396	*Callitris glaucophylla*	White Cypress Pine	20	2.40	1.75	9x5	Semi-mature	Fair to Poor	Poor	Asymmetric	5 to 15 years		Native conifer	Low	Remove
397	*Callitris glaucophylla*	White Cypress Pine	20	2.40	1.75	8x5	Semi-mature	Fair to Poor	Poor	Manipulated	5 to 15 years	Powerline pruned	Native conifer	Low	Remove
398	*Callitris glaucophylla*	White Cypress Pine	20	2.40	1.75	6x3	Semi-mature	Fair to Poor	Poor	Asymmetric	5 to 15 years		Native conifer	Low	Remove
399	*Callitris glaucophylla*	White Cypress Pine	14	2.00	1.50	8x3	Semi-mature	Fair to Poor	Poor	Asymmetric	5 to 15 years		Native conifer	Low	Remove
400	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	9x5	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
401	*Eucalyptus spathulata*	Swamp Mallet	44	5.28	2.43	14x12	Maturing	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years	Trunk cankers	Australian native	Low	Could be retained
402	*Eucalyptus sideroxylon*	Red Ironbark	46	5.52	2.48	18x15	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years	Limbfall evidence	Victorian native	Low	Could be retained
403	*Eucalyptus sideroxylon*	Red Ironbark	22	2.64	1.82	10x7	Semi-mature	Fair to Poor	Fair to Poor	Major asymmetry	5 to 15 years		Victorian native	Low	Could be retained
404	*Eucalyptus sideroxylon*	Red Ironbark	62,19 (64.8)	7.78	2.87	18x13	Semi-mature	Fair to Poor	Fair to Poor	Minor asymmetry	5 to 15 years	Limbfall evidence	Victorian native	Low	Remove
405	*Eucalyptus spathulata*	Swamp Mallet	26	3.12	1.95	11x9	Semi-mature	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Could be retained
406	*Eucalyptus spathulata*	Swamp Mallet	35	4.20	2.21	13x11	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
407	*Eucalyptus sideroxylon*	Red Ironbark	40	4.80	2.34	15x11	Semi-mature	Fair	Fair	Asymmetric	15 to 30 years		Victorian native	Low	Could be retained
408	*Callitris glaucophylla*	White Cypress Pine	30	3.60	2.07	9x7	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
409	*Eucalyptus spathulata*	Swamp Mallet	10	2.00	1.50	6x5	Semi-mature	Fair	Fair	Asymmetric	15 to 30 years		Australian native	Low	Could be retained
410	*Eucalyptus spathulata*	Swamp Mallet	37	4.44	2.26	16x14	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Could be retained
411	*Cupressus macrocarpa*	Monterey Cypress	115	13.80	3.65	20x15	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Exotic conifer	Low	Remove
412	*Eucalyptus spathulata*	Swamp Mallet	24	2.88	1.89	10x7	Semi-mature	Fair	Fair to Poor	Asymmetric	15 to 30 years		Australian native	Low	Could be retained
413	*Callitris glaucophylla*	White Cypress Pine	35	4.20	2.21	9x7	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
414	*Melaleuca styphelioides*	Prickly-leaved Paperbark	20	2.40	1.75	10x5	Semi-mature	Fair to Poor	Poor	Asymmetric	5 to 15 years		Australian native	Low	Could be retained
415	*Melaleuca styphelioides*	Prickly-leaved Paperbark	40	4.80	2.34	12x8	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
416	*Callitris glaucophylla*	White Cypress Pine	20	2.40	1.75	7x4	Semi-mature	Fair	Fair to Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
417	*Callitris glaucophylla*	White Cypress Pine	26	3.12	1.95	9x5	Semi-mature	Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
418	*Callitris glaucophylla*	White Cypress Pine	25	3.00	1.92	11x5	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Native conifer	Low	Remove
419	*Melaleuca styphelioides*	Prickly-leaved Paperbark	70	8.40	2.96	13x8	Maturing	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
420	*Eucalyptus botryoides*	Southern Mahogany	55,35 (65.2)	7.82	2.87	18x12	Maturing	Fair	Fair to Poor	Asymmetric	5 to 15 years	Woody weed	Victorian native	None	Remove
421	*Melaleuca styphelioides*	Prickly-leaved Paperbark	60	7.20	2.77	12x8	Maturing	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
422	*Melaleuca styphelioides*	Prickly-leaved Paperbark	20,15 (25)	3.00	1.92	7x6	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
423	*Melaleuca styphelioides*	Prickly-leaved Paperbark	70	8.40	2.96	12x8	Maturing	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
424	*Melaleuca styphelioides*	Prickly-leaved Paperbark	70	8.40	2.96	12x8	Maturing	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
425	*Melaleuca styphelioides*	Prickly-leaved Paperbark	40	4.80	2.34	11x8	Maturing	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained

Tree Assessment Detail - M76 Water Main Renewal
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Appendix 1

No	SPECIES	COMMON NAME	DBH (cm)	TPZ AS4970 (m)	SRZ AS4970 (m)	HxW (m)	AGE	HEALTH	STRUCTURE	FORM	ULE	COMMENT	TREE TYPE	RETENTION VALUE	RECOMMEND
426	*Melaleuca styphelioides*	Prickly-leaved Paperbark	70	8.40	2.96	14x8	Maturing	Fair to Poor	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
427	*Melaleuca styphelioides*	Prickly-leaved Paperbark	45	5.40	2.46	11x8	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
428	*Melaleuca styphelioides*	Prickly-leaved Paperbark	50	6.00	2.57	11x8	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years	Multi-stemmed from base	Australian native	Low	Could be retained
429	*Eucalyptus botryoides*	Southern Mahogany	75	9.00	3.05	20x20	Maturing	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
430	*Eucalyptus botryoides*	Southern Mahogany	18	2.16	1.67	12x10	Maturing	Fair	Poor	Major asymmetry	0 years	Woody weed	Victorian native	None	Remove
431	*Melaleuca styphelioides*	Prickly-leaved Paperbark	50	6.00	2.57	11x8	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
432	*Melaleuca styphelioides*	Prickly-leaved Paperbark	50	6.00	2.57	14x10	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
433	*Melaleuca styphelioides*	Prickly-leaved Paperbark	60	7.20	2.77	10x10	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
434	*Eucalyptus sideroxylon*	Red Ironbark	30	3.60	2.07	15x8	Semi-mature	Fair to Poor	Fair to Poor	Minor asymmetry	15 to 30 years		Victorian native	Low	Could be retained
435	*Eucalyptus spathulata*	Swamp Mallet	47	5.64	2.50	19x17	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Could be retained
436	*Eucalyptus spathulata*	Swamp Mallet	44,31 (53.8)	6.46	2.65	17x14	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Australian native	Low	Could be retained
437	*Eucalyptus spathulata*	Swamp Mallet	25	3.00	1.92	12x7	Semi-mature	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years		Australian native	Low	Could be retained
438	*Eucalyptus spathulata*	Swamp Mallet	33	3.96	2.16	17x15	Semi-mature	Fair to Poor	Fair to Poor	Asymmetric	5 to 15 years		Australian native	Low	Could be retained
439	*Eucalyptus sideroxylon*	Red Ironbark	35	4.20	2.21	17x9	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Victorian native	Low	Could be retained
440	*Eucalyptus sideroxylon*	Red Ironbark	30	3.60	2.07	17x9	Semi-mature	Fair	Fair to Poor	Minor asymmetry	15 to 30 years		Victorian native	Low	Could be retained
441	*Melaleuca styphelioides*	Prickly-leaved Paperbark	60	7.20	2.77	9x9	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
442	*Acacia elata*	Cedar Wattle	50,50,50,40 (95.4)	11.45	3.37	18x14	Maturing	Fair	Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
443	*Acacia elata*	Cedar Wattle	60	7.20	2.77	14x11	Semi-mature	Fair	Poor	Major asymmetry	0 years	Woody weed	Australian native	None	Remove
444	*Callistemon salignus*	Willow Bottlebrush	20	2.40	1.75	8x3	Semi-mature	Poor	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
445	*Eucalyptus botryoides*	Southern Mahogany	75,60,50,40 (115.4)	13.85	3.65	20x20	Maturing	Fair	Poor	Minor asymmetry	0 years	Muliple bifurcations with included bark at base, Woody weed	Victorian native	None	Remove
446	*Eucalyptus saligna*	Sydney Blue Gum	45	5.40	2.46	20x15	Semi-mature	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
447	*Eucalyptus saligna*	Sydney Blue Gum	45	5.40	2.46	19x15	Semi-mature	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
448	*Pinus radiata*	Monterey Pine	30	3.60	2.07	17x6	Semi-mature	Fair	Fair	Symmetric	0 years	Woody weed	Exotic conifer	None	Remove
449	*Eucalyptus botryoides*	Southern Mahogany	55	6.60	2.67	20x16	Maturing	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
450	*Eucalyptus botryoides*	Southern Mahogany	60	7.20	2.77	20x14	Maturing	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
451	*Callistemon salignus*	Willow Bottlebrush	25	3.00	1.92	8x3	Semi-mature	Fair to Poor	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
452	*Hakea salicifolia*	Willow-leaved Hakea	25	3.00	1.92	8x7	Semi-mature	Very Poor	Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
453	*Hakea salicifolia*	Willow-leaved Hakea	25	3.00	1.92	8x7	Semi-mature	Fair	Poor	Asymmetric	0 years	Woody weed	Australian native	None	Remove
454	*Hakea salicifolia*	Willow-leaved Hakea	30	3.60	2.07	8x7	Semi-mature	Poor	Poor	Asymmetric	0 years	Woody weed	Australian native	None	Remove
455	*Melaleuca styphelioides*	Prickly-leaved Paperbark	25	3.00	1.92	11x6	Semi-mature	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
456	*Melaleuca styphelioides*	Prickly-leaved Paperbark	50,30 (58.3)	7.00	2.74	13x10	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
457	*Melaleuca styphelioides*	Prickly-leaved Paperbark	60	7.20	2.77	10x10	Maturing	Fair	Poor	Minor asymmetry	5 to 15 years		Australian native	Low	Could be retained
458	*Pittosporum undulatum*	Sweet Pittosporum	35	4.20	2.21	8x7	Maturing	Fair	Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
459	*Pittosporum undulatum*	Sweet Pittosporum	25	3.00	1.92	8x7	Maturing	Fair	Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
460	*Pittosporum undulatum*	Sweet Pittosporum	25,20 (32)	3.84	2.13	8x7	Maturing	Fair	Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove
461	*Acacia prominens*	Golden Rain Wattle	45	5.40	2.46	14x12	Maturing	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
462	*Acacia prominens*	Golden Rain Wattle	30	3.60	2.07	14x8	Semi-mature	Fair	Fair to Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
463	*Acacia prominens*	Golden Rain Wattle	50	6.00	2.57	14x13	Semi-mature	Fair to Poor	Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
464	*Acacia prominens*	Golden Rain Wattle	30	3.60	2.07	14x7	Semi-mature	Fair to Poor	Poor	Minor asymmetry	0 years	Woody weed	Australian native	None	Remove
465	*Pittosporum undulatum*	Sweet Pittosporum	25	3.00	1.92	8x7	Maturing	Fair	Poor	Minor asymmetry	0 years	Woody weed	Victorian native	None	Remove

Appendix 2
Descriptors (Version C - 2013)

Field name	Description
No.	Tree identification number. Unique numbers are assigned to each assessed individual tree or tree group.
Species	Identifies the tree using the international taxonomic classification system of binomial (or trinomial) nomenclature (genus, species, variety and cultivar).
Common Name	Provides the common name as occurs in current Australian horticultural literature. More than one common name can exist for a single tree species, or several species can share the same common name.
DBH (Diameter at breast height)	Indicates the trunk diameter (expressed in centimetres) of an individual tree usually measured at 1.4m above the existing ground level. Multiple stemmed trees are calculated using a formula to combine the stems into a single stem for tree protection zone calculations.
TPZ (Tree protection zone)	Tree protection zone expressed as a radial distance in metres, measured from trunk centre. Based on AS 4970
SRZ (Structural root zone)	The area around the base of a tree required for the tree's stability in the ground. The woody root growth and soil cohesion in this area are necessary to hold the tree upright.
HxW (Height x Width)	Indicates height and width of single tree and measurement generally expressed in whole metres

Age	Description
Young	Sapling tree and/or recently planted
Semi-mature	Tree rapidly increasing in size and yet to achieve expected size in situation
Maturing	Specimen approaching expected size in situation, with reduced incremental growth
Over-mature	Tree is senescent and in decline

Health	Term assigned that provides a broad description of the health and vigour of the tree.					
Ratings	*Good*	*Fair*	*Fair to Poor*	*Poor*	*Very poor*	*Dead*

Structure	Term assigned that provides a broad description of the structure and stability of the tree.					
Ratings	*Good*	*Fair*	*Fair to Poor*	*Poor*	*Very poor*	*Failed*

Form	Description
Symmetric	Evenly balanced crown
Asymmetric	Crown biased in one direction; can be minor or major
Stump re-sprout	Adventitious shoots originating from stump or trunk
Manipulated	Hedge, pollard, topiary, windrow; managed for specific landscape use or aesthetic outcome

Comment	Additional comments that provide specific detail on the condition of the tree or management requirements

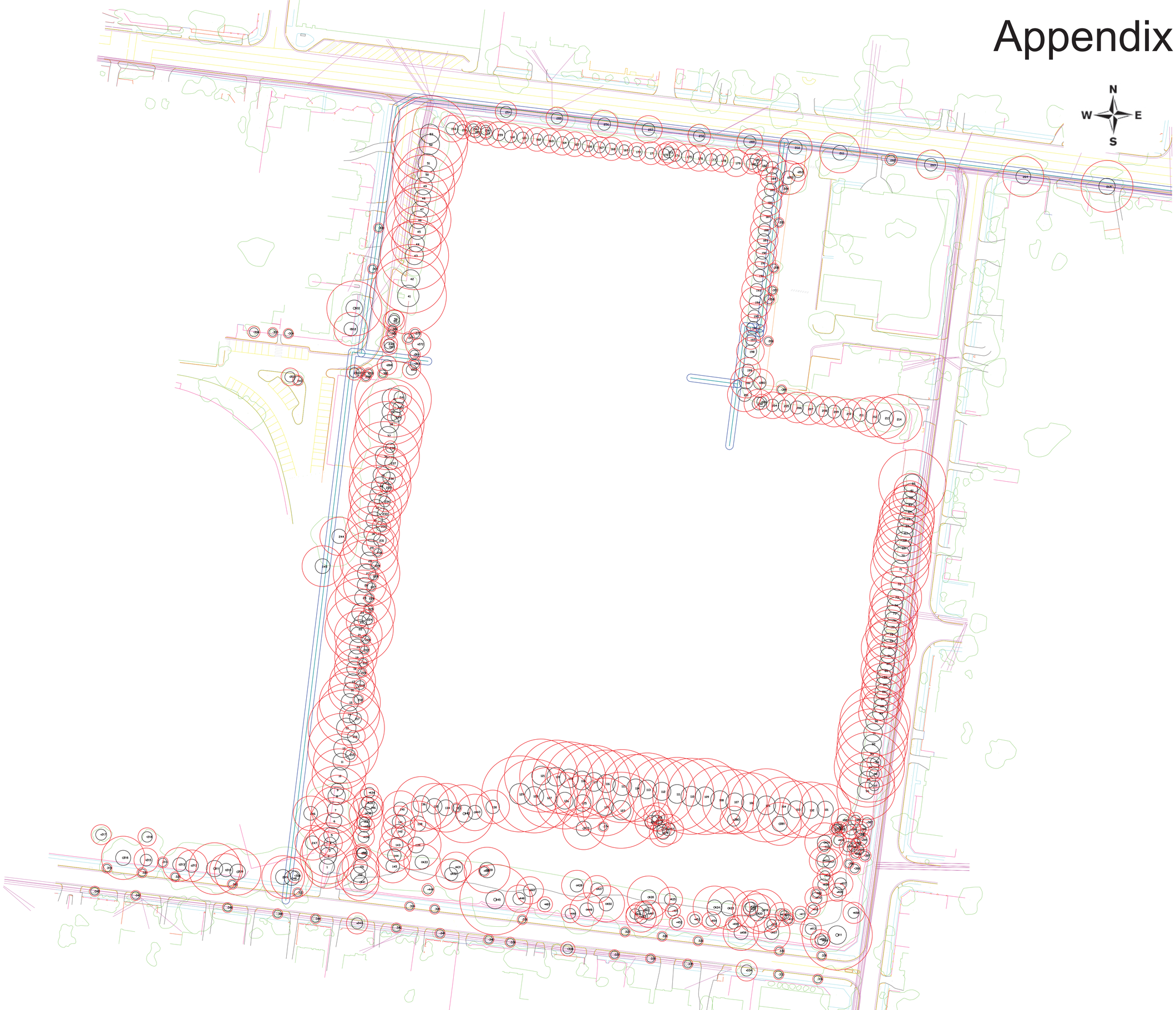
Tree type	Description
Indigenous	Occurs naturally in the area or region of the subject site
Victorian native	Occurs naturally within some part of Victoria (not exclusively) but is not indigenous
Australian native	Occurs naturally within Australia but is not a Victorian native or indigenous
Exotic deciduous	Occurs outside of Australia and typically sheds its leaves during winter
Exotic evergreen	Occurs outside of Australia and typically holds its leaves all year round
Exotic conifer	Occurs outside of Australia and is classified as a gymnosperm
Native conifer	Occurs naturally within Australia and is classified as a gymnosperm
Palm	Woody monocotyledon
Other	Other descriptions as indicated

Retention value	Qualitative rating provided on tree based on assessment factors. Provided as a guide for management decisions.			
Ratings	*High*	*Moderate*	*Low*	*None*

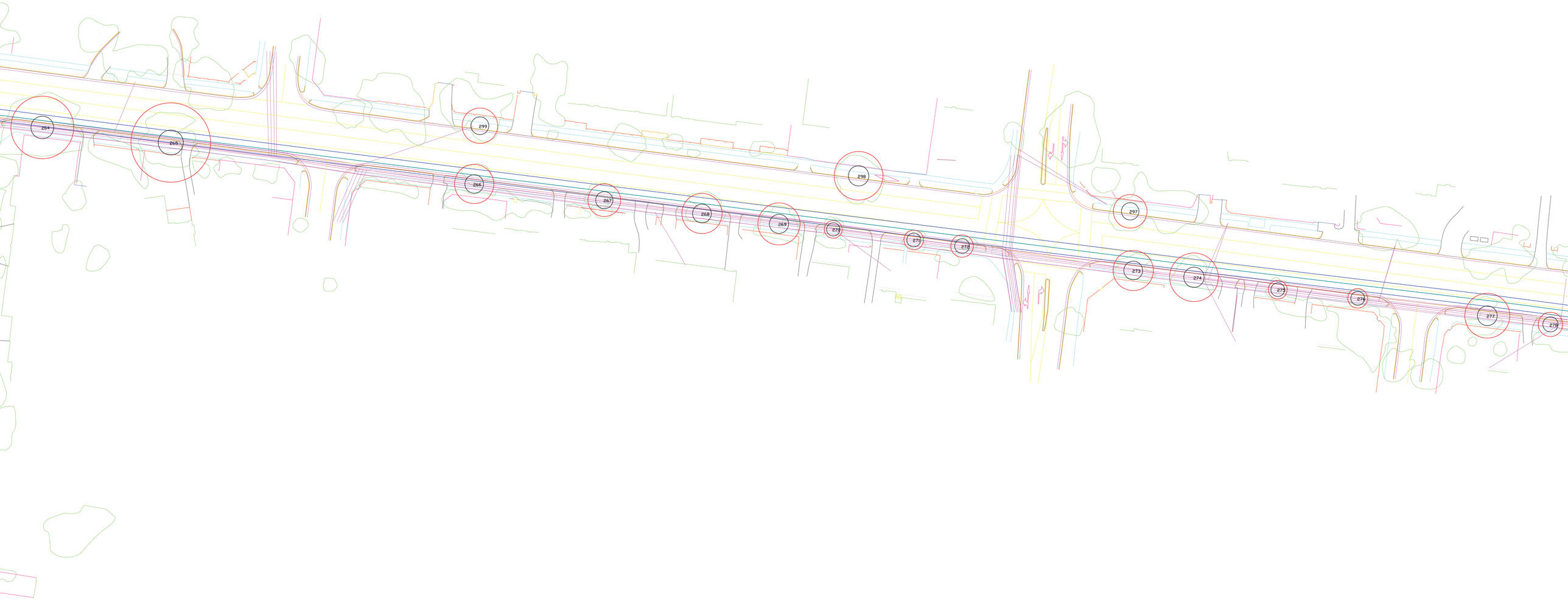
Recommend	Recommended action based on condition of the tree with reference to proposed site changes							
Responses	*Retain*	*Could be retained*	*Consider removal*	*Remove*	*Street tree*	*Neighbour's Tree*	*Already removed*	*Transplant*

Descriptors reviewed annually and subject to change

Appendix 3a



Appendix 3b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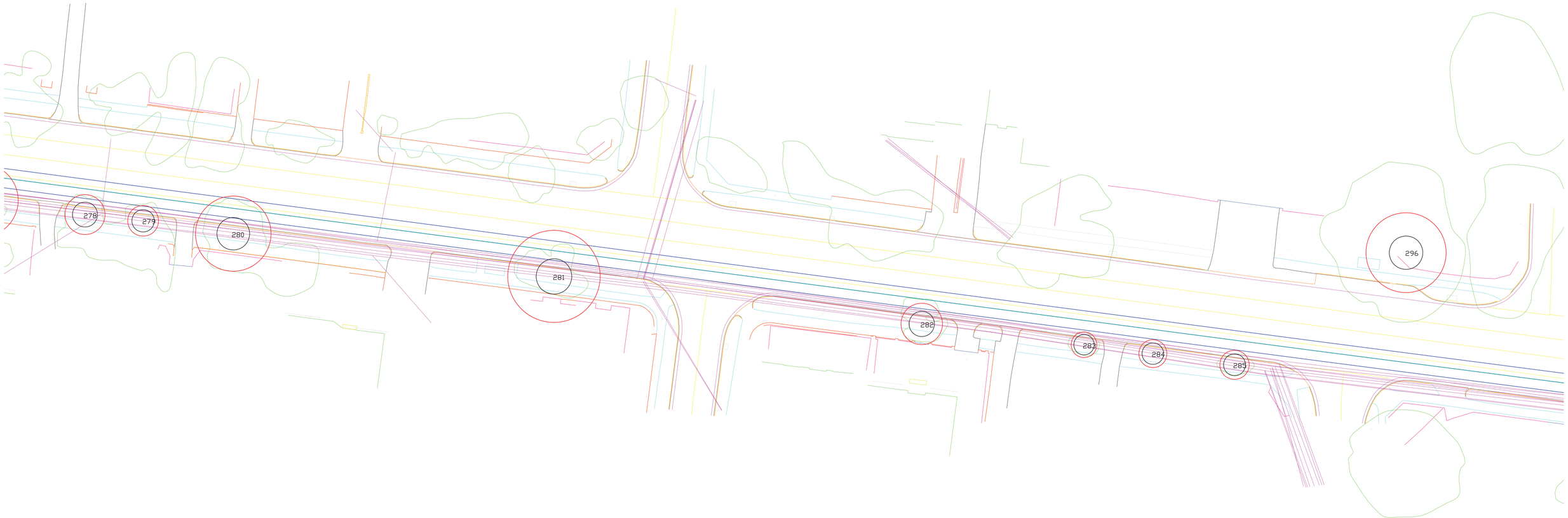
Appendix 3c



Appendix 3d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Assumptions and limiting conditions of arboricultural consultancy report

1. Any legal description provided to Reynolds Tree Care is assumed to be correct. Any titles and ownerships to any property are assumed to be correct. No responsibility is assumed for matters outside the consultant's control.

2. Reynolds Tree Care assumes that any property or project is not in violation of any applicable codes, ordinances, statutes or other local, state or federal government regulations.

3. Reynolds Tree Care has taken care to obtain all information from reliable sources. All data has been verified insofar as possible; however Reynolds Tree Care can neither guarantee nor be responsible for the accuracy of the information provided by others not directly under Reynolds Tree Care control.

4. No Reynolds Tree Care employee shall be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services.

5. Loss of this report or alteration of any part of this report not undertaken by Reynolds Tree Care invalidates the entire report.

6. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by anyone but the client or their directed representatives, without the prior consent of the Reynolds Tree Care.

7. This report and any values expressed herein represent the opinion of the Reynolds Tree Care consultant and the Reynolds Tree Care fee is in no way conditional upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.

8. Sketches, diagrams, graphs and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural drawings, reports or surveys.

9. Unless expressed otherwise: 1) Information contained in this report covers only those items that were covered in the project brief or that were examined during the assessment and reflect the condition of those items at the time of inspection; and 2) The inspection is limited to visual examination of accessible components without dissection, excavation or probing unless otherwise stipulated.

10. There is no warranty or guarantee, expressed or implied by Reynolds Tree Care, that the problems or deficiencies of the plants or site in question may not arise in the future.

11. All instructions (verbal or written) that define the scope of the report have been included in the report and all documents and other materials that the Reynolds Tree Care consultant has been instructed to consider or to take into account in preparing this report have been included or listed within the report.

12. To the writer's knowledge all facts, matter and all assumptions upon which the report proceeds have been stated within the body of the report and all opinion contained within the report have been fully researched and referenced and any such opinion not duly researched is based upon the writers experience and observations.