

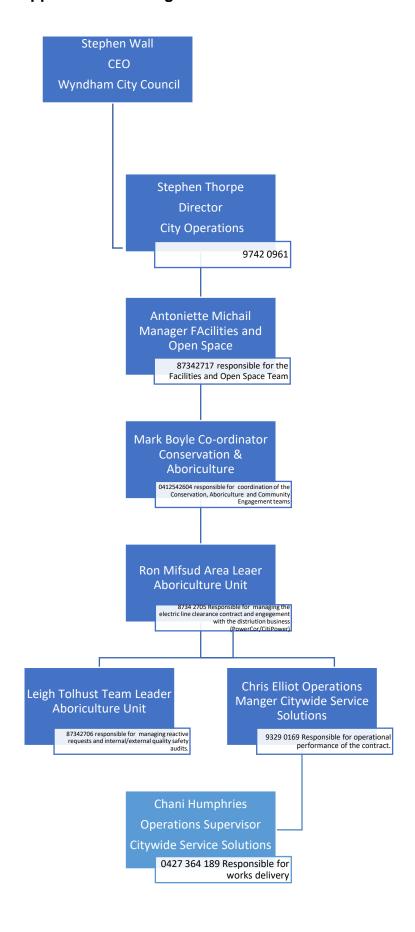
1

Electric Line Clearance Management Plan

2021-2022

APPENDICES

Appendix 1 - Management Structure



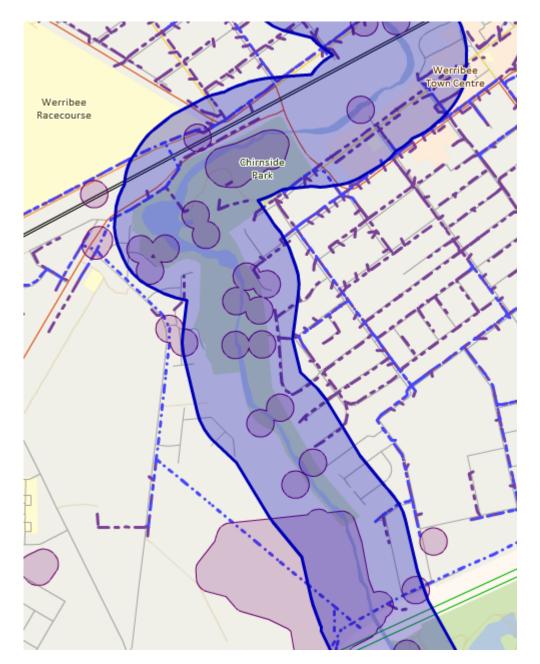
Appendix 2 – AAV Sites within declared area.

These maps show the 200 meter zone either side of the waterway as well as registered AAV sites. Also shown are overhead conductors both LV & HV.



Zone L4 – Lollypop Creek.

Appendix 2a – AAV Sites within declared area.



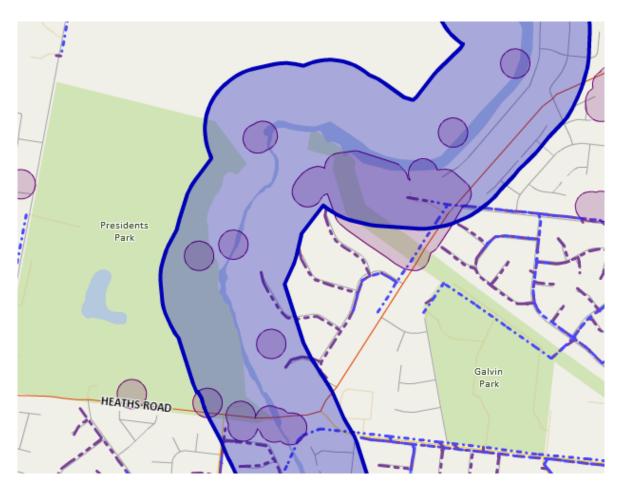
Zone L7 & CBD – Werribee River

Appendix 2b – AAV Sites within declared area.



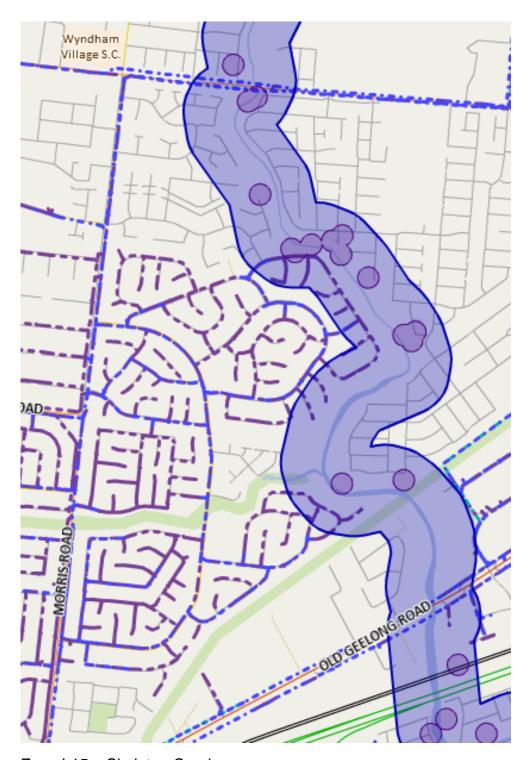
Zone L5B & L6 – Werribee River

Appendix 2c – AAV Sites within declared area.



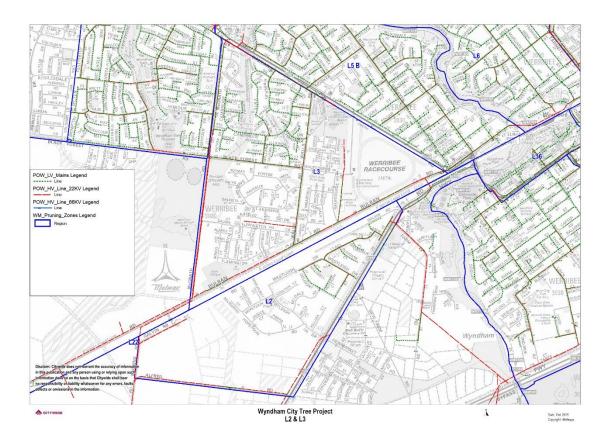
Zone L8 – Werribee River

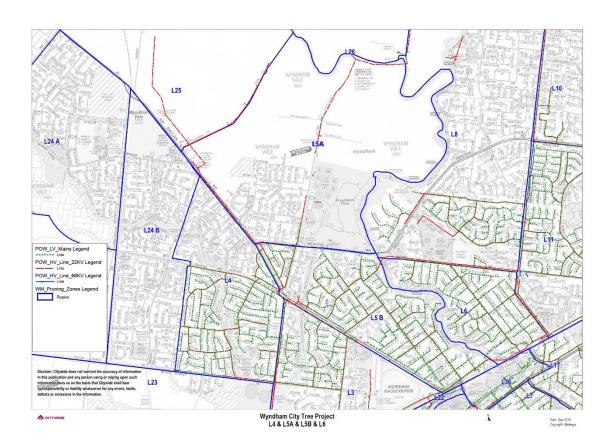
Appendix 2d – AAV Sites within declared area.

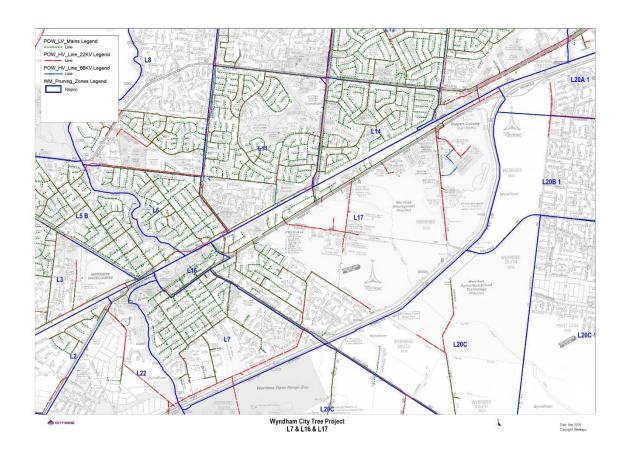


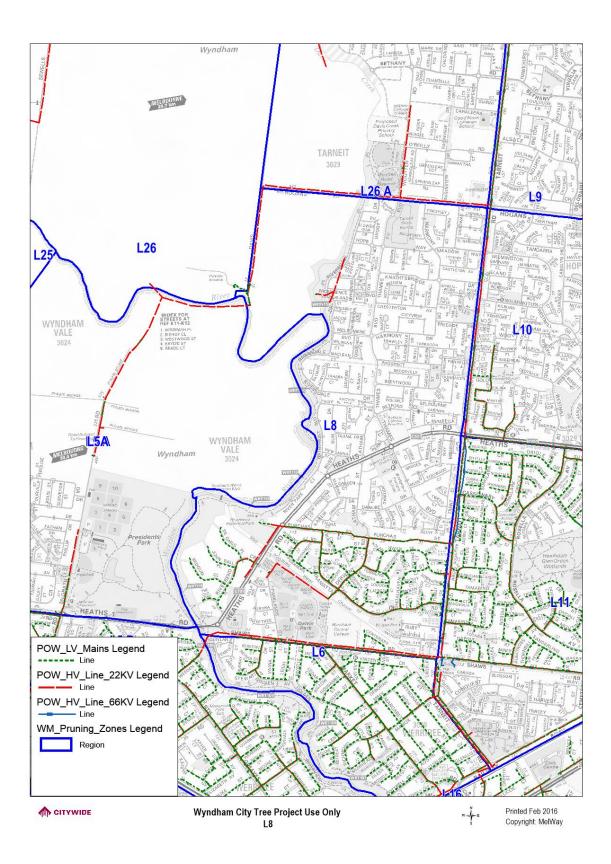
Zone L15 – Skeleton Creek.

Appendix 3 – Line Clearance Zone Maps

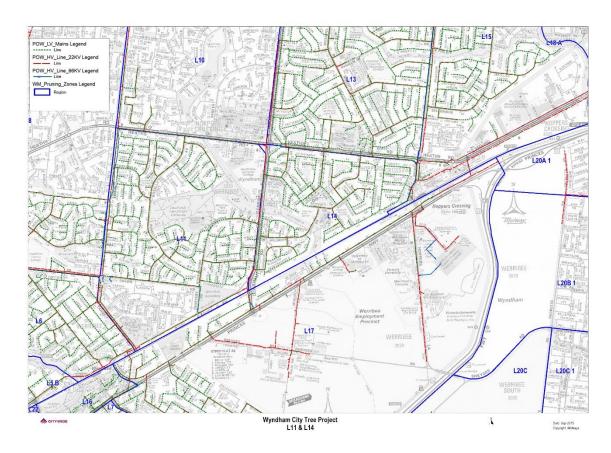


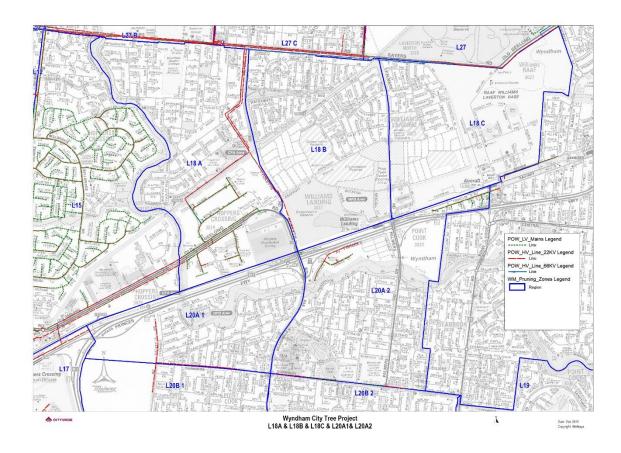


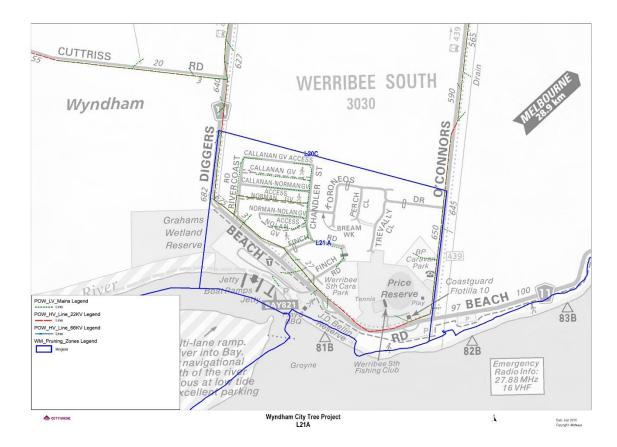


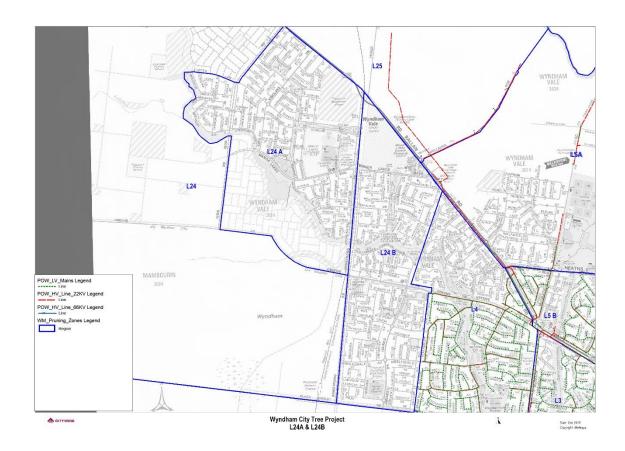




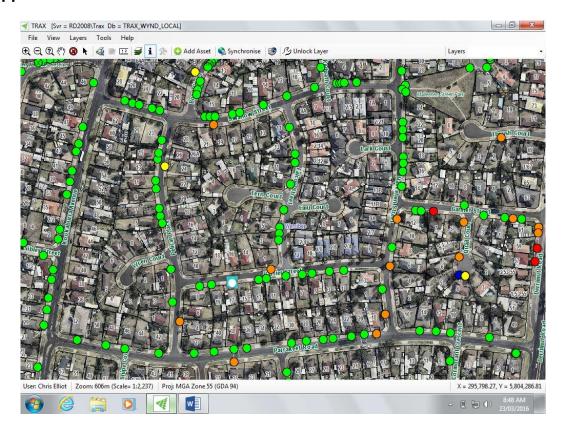


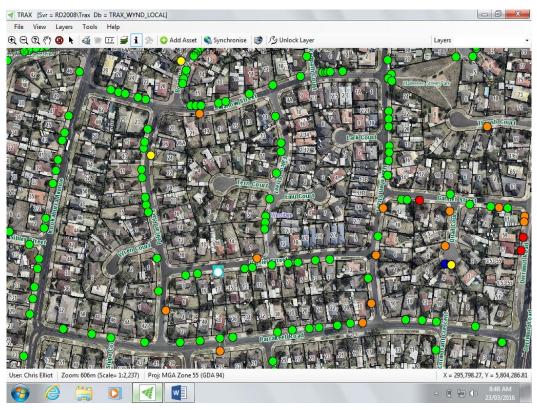


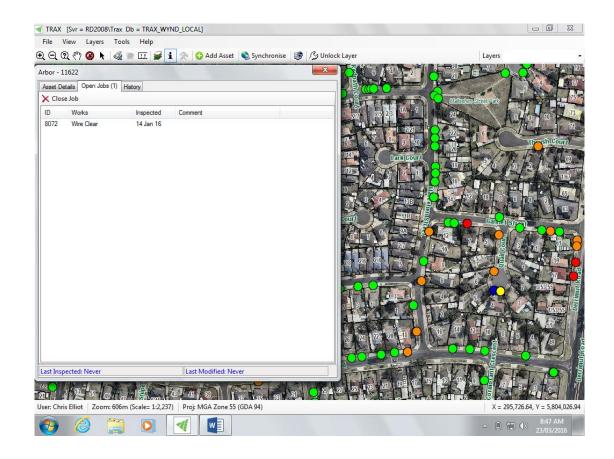




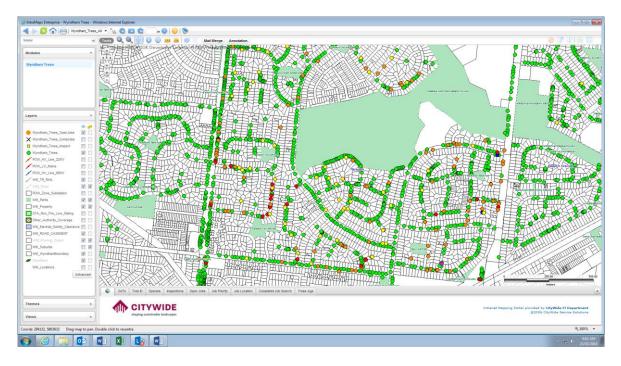
Appendix 4 – TRAX Database



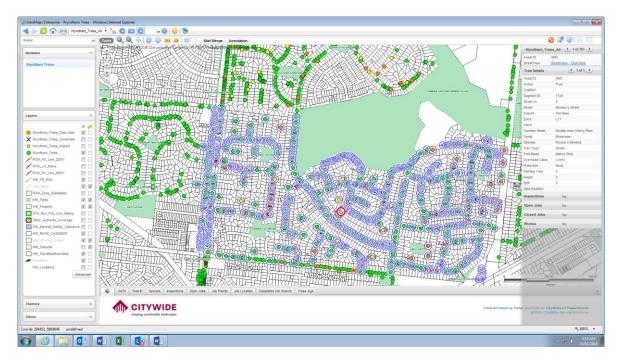




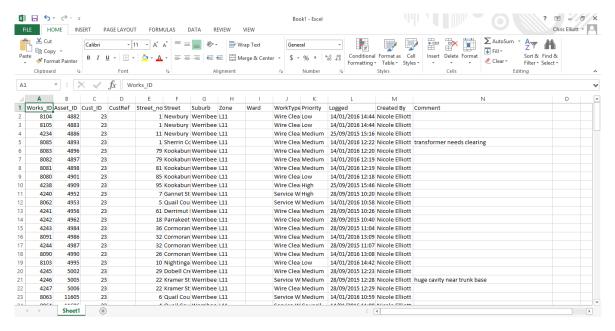
Appendix 4 – Intramaps



Open works identified by coloured dots other than green.

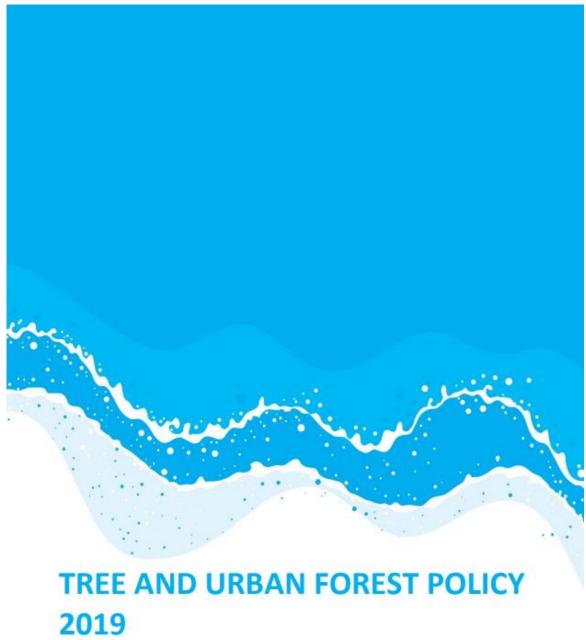


Selected assets to create Report/ Query



Open works listing exported from selected area on map.

Appendix 5 - Wyndham Tree Policy



Date of Adoption: 6/11/2019 Date of Last Review: 2019 Date of Next Review: 2023

Responsible Officer: Urban Forest Planner



VISION

Wyndham City will sustain and expand a healthy tree population that benefits the community and the environment, by valuing each tree as an integral part of an urban forest network.

PURPOSE

This policy outlines how Wyndham City will manage its urban forest in order to achieve the above vision.

This policy defines how Wyndham City will -

- o manage individual trees from planting to whole of life tree management;
- o manage and plan for growth and health of Wyndham's urban forest; and
- o protect the tree population as an interconnected urban forest.

SCOPE

This policy applies to all trees on land owned or managed by Wyndham City, including streets, parks, reserves and other open space.

The policy is also intended to influence utility and government authorities, along with community members, on how trees are managed on their land.

Wyndham City will encourage appropriate tree retention on freehold land.

BACKGROUND

Trees and urban forests provide multiple benefits to people and the environment. This includes (but is not limited to) mitigating the Urban Heat Island Effect, enhancing health and wellbeing, supporting biodiversity and creating neighbourhood character.

However, Wyndham City faces challenges in managing a healthy urban forest as a result of local environmental conditions, climate change, residential growth and development, and the loss of trees in the private realm.

A healthy population of trees and a functioning urban forest requires effective planning for the present and future. Wyndham City is committed to valuing our trees, providing trees in the urban environment, and implementing practices that manage, protect and enhance the tree coverage across the municipality.

Increasing Wyndham's tree population is critical in developing an urban forest. Mature trees represent a long-term investment and value; Wyndham City will continue to invest in their care and health. Wyndham City will collaborate with external stakeholders in greening initiatives that benefit the municipality.

Wyndham City has a diverse population with diverse and sometimes conflicting views regarding our tree population. Engagement with the community to ensure these assets are valued and supported is essential.

This policy provides a decision-making framework for achieving Wyndham City's aim for our tree and urban forest management.

RESPONSIBILITIES

Wyndham City strategically manages trees on the land it is responsible for, in accordance with the principles set out within this policy.

Wyndham City has the final decision on tree management and removals on Council owned or managed land.

Council's Environment and Water Department is responsible for the strategic planning for Wyndham City's urban forest in accordance with this policy. This includes tree protection strategies and procedures, tree planting plans, policies and action plans, and internal and external consultation as required.

Council's Facilities and Open Space Department is responsible for the management of the trees through their lifecycle. This includes the creation of strategies, plans and procedures for the management of these trees in accordance with this policy.

Wyndham City will reference this policy in planning and designing urban spaces.

KEY RELATED DOCUMENTS AND LEGISLATION

Road Management Act 2004

Victorian Electricity Safety (Electric Line Clearance) Regulations (2015)

Planning and Environment Act (1987)

Wyndham Community Amenity Local Laws (2015)

Australian Standard AS4373:2007 - Pruning of Amenity Trees

Australian Standard AS4970:2009 - Protection of Trees on Development Sites

Australian Standard AS2303:2015 - Tree Stock for Landscape Use

Greening the West Strategic Plan

Living Melbourne: Our metropolitan urban forest

Wyndham 2040 Community Plan

Wyndham City Forest and Habitat Strategy (2018)



Wyndham Climate Change Adaptation Strategy (2016-2020)
Wyndham Open Space Strategy 2045
Wyndham Road Management Plan 2017
Wyndham Landscape Development Levels of Service (under development)
Wyndham Tree Amenity Fee Guidelines (under development)
Wyndham Tree Selection Matrix 2019

POLICY

1. Wyndham City will set a canopy cover target

To meet this target, Wyndham City will:

- · Implement tree planting on Wyndham's streets, boulevards and avenues;
- · Incorporate tree planting in parks, open spaces and other public areas;
- · Protect and retain mature trees; and
- Encourage tree planting in the private realm.

2. Trees are valuable assets

- All Wyndham City owned or managed trees are Council assets and will be managed as such; and
- Wyndham City owned or managed trees have a monetary value; this value is derived using Wyndham's Tree Amenity Calculator.

3. Trees will be managed for multiple benefits, including their contribution to:

- The overall tree canopy cover;
- · Reducing the Urban Heat Island Effect;
- · The biodiversity and habitat of Wyndham;
- · Neighbourhood character and foundation of placemaking;
- · Providing canopy covered connections across the municipality; and
- Encouraging activity in open space, enhancing liveability and social interaction.

4. Tree Management and Maintenance

- · Risk management is a primary management factor in tree management;
- Mitigation of risk does not necessarily result in action to a tree;
- Pruning will be undertaken in accordance with AS4373 2007 Pruning of Amenity Trees;

- Formative pruning will be undertaken to develop appropriate tree structure and reduce future maintenance costs;
- Trees stock planted on current or future public land will meet AS2303 2015 Tree Stock for Landscape Use;
- Trees will be maintained to provide clearances as per the Roads Act (2005) and Wyndham's Road Management Plan; and
- Trees will be maintained to provide clearances as per the current Victorian Electricity Safety (Electric Line Clearance) Regulations and Wyndham's Electrical Line Clearance Management Plan.

5. Urban Forest Planning

- · Trees and urban forests require technical planning to ensure the best whole of life outcome;
- All trees planted on current or future public land in Wyndham must be selected to ensure their ability to thrive in Wyndham's soil, environment and climate conditions;
- The performance of tree species will be monitored for their resilience to current and future environment and climatic conditions;
- Wyndham City will reduce the risk of disease, pests or other factors affecting a genus or species through maintaining a diverse tree population;
- · Planting the right tree in the right location is critical;
- Tree species will be selected for each site based on available space, constraints and the functionality of the tree;
- Nature strips within new subdivisions must include a minimum of one tree per lot, or per 12 metre spacing where one tree per lot is not feasible;
- Where a location does not meet the requirements for planting, due to factors including constraints, clearance requirements or planning issues, trees will not be planted;
- Tree species selected for planting near or adjacent to designated conservation reserves will be sensitive to the vegetation class and ecological function of the conservation reserve;
- Nature strips are a Wyndham City asset; priority will be given to public tree planting;
- Objections to tree planting on Wyndham City property must be submitted to Wyndham City; an objection must outline the reason and include accompanying evidence; and
- . Wyndham City has the final decision on tree plantings on Wyndham City's property.

6. Tree removal to facilitate development

- Existing trees on public and private land must be included in all plans and drawings submitted with planning applications; this includes developments proposed by Wyndham City.
- Consideration must be given to the retention of trees at the design phase; the priorities are:
 - o the avoidance of tree removals,
 - minimisation of tree removals.

- Removal of a Wyndham City owned tree will be considered, provided it is demonstrated that the tree cannot be incorporated into the design of the development, and that the development cannot be avoided.
- A request to remove a Wyndham City owned tree must be submitted to and approved by Wyndham City prior to any removal.
- Any Wyndham City tree approved for removal will require payment of a tree amenity fee and associate administrative costs.
- The arrangements and cost of the tree removal will be borne by the proponent of the tree removal, ensuring works are undertaken by an appropriately qualified arborist.
- Unauthorised removal and/or damage of Wyndham City trees are subject to penalties.
- · Wyndham City has the right to refuse removal of its trees.

7. Tree Protection on development sites

- Wyndham City trees to be retained on or near development and other construction sites must be adequately protected both above and below ground;
- Protection of Wyndham City's trees within development and other construction sites will meet, at a minimum, AS4970 - 2009 Protection of Trees on Development Sites.
- · Failure to protect trees throughout the development process may incur penalties.

8. Tree removals - maintenance

- Wyndham City will remove a tree if it presents an immediate risk to people or property, and there are no other viable options to mitigate the risk.
- Wyndham City may remove a tree if it is diseased, unhealthy, dead or terminally damaged; although these factors will not always result in the removal of a tree.
- All tree removals over 150mm diameter at breast height must be approved by a senior Wyndham City arborist.
- All Wyndham City owned trees requiring removal will be considered for repurposing as a habitat structure.
- Community requests for a Wyndham City tree to be removed for risk or maintenance purposes will be assessed by a senior Wyndham City arborist; this may not always result in the removal of the tree.
- Trees will not be removed because of reasons including (but not limited to)
 - Personal preference;
 - o Perceived nuisance (e.g. leaf litter);
 - Limbs extending over private property;
 - A desire for parking space;
 - Allergies, unless medical advice from a medical specialist in the field of allergies is provided, demonstrating the tree significantly diminishes the quality of life and there is no other way of managing the problem; or
 - Fauna living in trees.



9. Tree Planning Controls

- Many trees in Wyndham City are subject to controls within the Wyndham Planning Scheme. Tree removal or lopping may require a planning permit.
- If the tree is indigenous, proponents must comply with relevant Victorian and Federal native vegetation requirements.
- The above requirements apply to all potential tree removals, including those proposed by Wyndham City Council.

ENDS

Appendix 6 – Approved Planting Under Powerline Species.

City of Wyndham - Street Tree Master List			Size		TYPE	TYPE		MAINTENACE			MAINTENACE		
Family	Genus	Species, Var.	Common	Width	Height	4 werlines	Evergreen Deciduous	Indigenous	Longevity	Climate change	Mundulla Yellows	Irrigation required	Notes & mainteance req.
Myrtaceae	Angophora	hispida	Dwarf apple	Medium	Small	T	E						
Ericaceae	Arbutus	canariensis	Canary Is madrone	Narrow	Small	•	E						
Myrtaceae	Callistemon	viminalis and cvs	Weeping bottlebrush	Medium	Small	•	E		Rel short				
Fabaceae	Cercis	silaquastrum	Judas tree	Medium	Small								Formative pruning important
Myrtaceae	Corymbia	citriodora "Scentuous"	Scentuous lemon scen	Medium	Small		E				*		
Myrtaceae	Corymbia		Dwarf yellow bloodwood		Small		E			1	*		
Myrtaceae	Corymbia				Small		E				*		Large fruit nuisance, may only suit park use
Rutaceae	Geijera				Small		E						3
Proteaceae	Hakea		Red Pokers		Small	*	Ē						
Rosaceae	Prunus		Purple leaf cherry plum		Small				Rel short	Unsure			Fruiting nuisance?
Rosaceae	Prunus		"Oakville Crimson Spire" cherry plum		Small				Rel short	Unsure			
Rosaceae	Prunus		Double flowering cherry plum	Medium	Small				Rel short	Unsure			

Appendix 7 – Inspection & Pruning Program

Pruning Program commencing Year 1 - (September 2020)

- The ELC program is completed on a 12 monthly cycle
- Other cyclic pruning components are completed every 3 years

Zone	ELC Annual	Year 1 Cyclic	Year 2 Cyclic	Year 3 Cyclic
	Program	Pruning 2020	Pruning 2021	Pruning 2022
L1			L1	<u> </u>
L2	L2	L2		
L3	L3	L3		
L4	L4	L4		
L5a			L5a	
L5b	L5b	L5b		
L6	L6	L6		
L7	L7	L7		
L8	L8	L8		
L9	L9		L9	
L10	L10		L10	
L11	L11	L11		
L12	L12		L12	
L13	L13	L13		
L14	L14	L14		
L15	L15	L15		
L16 CBD	L16 CBD	L16 CBD	L16 CBD	L16 CBD
L17	L18	ETO CBD	L17	LIU CBD
L17	L18a	L18a	L1/	
L18a	LISA	LISA	L18b	
L18c			L18c	
L19 Sanctuary Lakes		PRIVATELY MANAGED		
L20a1			L20a1	
L20a2			L20a2	
L20b1			L20b1	
L20b2			L20b2	
L20c1				L20c1
L20c2				L20c2
L20c				L20c
L21			L21	LZUC
L21a	L21a		L21a	-
	LZId		LZIA	
L22				
Predominately				
sewerage farm				L22 Riverwalk
L23				L22 Riverwalk
L24				L24
L24a	1245		1.245	L24a
L24b	L24b		L24b	105
L25				L25
L26				L26
L26a				L26a
L26b				L26b
L26c				L26c
L27				L27
L27a				L27a
L27b				L27b
L27c				L27c
L28				L28

Appendix 8 - Safety Audit Templates

Wyndham Safety Template

				Pa	rks Arboriculture	Unit Audi	t Checklis	t				
Auditor Na	me -						The Control of the Co					Area Leader & Team Leader- 1/team Weekly
Auditor Po	sition -											Leading Hand 2/team Audits Weekly
Date	Area (tree development, maintenance, external contractors)	Staff Name	Staff Position	Site/location	Job being performed	Inspection Checklist complete Y/N (OHS	PPE & Worksite Signage Acceptable.	JSA Sighted & Validated	First Aid Kit (8 weekly check)	Licenses Sighted (8 weekly check)	SITE CLEANUP/WORK QUALITY ACCEPTABLE	Comments
				70								
2				22				2		2 3		
,												
								13				
				5.								



Date:		Time:		Audi	ited by:			
Address:				•	·			
Name of Crew Memb	ers							
Description of Power	r line Works:	LV <	1000v.	11,0	00Kv.	22,000Kv,	66,00	0Kv
Citywide Worksite In	formation							
Division:								
Contract								
Fleet Number:								
Worksite Controller	(Mgmt):							
PROCEDURE:								
This form is to be of the control of the contr	completed by Ma be completed w orms are to be fo for appropriate of e HSE Coordinal wide Worksite Al	anagement Re rith Complian orwarded to the close out. tor will assist udits (CWA) v	epresentativ it (C), Actio ne relevant i managemei vill be uploa	ve. on Item (AI) of HSE Coordin nt with the cl ded to Share	or Not Ap nator withi	n 2 working days of co		e actions to be
1.0	TRAINING A	AND LICEN	ICES					C -AI-N/A
								O AI IVA
1.1	Do all crew me			licences app	olicable to	the task?		O-Al-IVA
***	Do all crew me			licences app	olicable to	the task?	I DATE	C -AI-N/A
1.1	Safe Approac	embers have a	appropriate				I DATE	
1.1 Name of Cutter		embers have a h Distance/W (Annually)	appropriate				I DATE	
1.1 Name of Cutter Cutter: (Required	Safe Approac Power lines -	mbers have a	appropriate				I DATE	
1.1 Name of Cutter Cutter:	Safe Approac Power lines - CPR (Annually)	mbers have a h Distance/W (Annually) Expiry)	appropriate	ar Overhead			I DATE	
1.1 Name of Cutter Cutter: (Required	Safe Approac Power lines - CPR (Annually) First Aid (3yr	h Distance/M (Annually) Expiry) ence over 11	working Nea	ar Overhead			I DATE	
1.1 Name of Cutter Cutter: (Required	Safe Approact Power lines - CPR (Annually) First Aid (3yr High Risk Lice	h Distance/M (Annually) Expiry) ence over 11	working Nea	ar Overhead				
1.1 Name of Cutter Cutter: (Required Competencies)	Safe Approact Power lines - CPR (Annually) First Aid (3yr High Risk Lice	h Distance/M (Annually) Expiry) ence over 11 ng Competen h Distance/M	Working Nea	ar Overhead	d	COMPLETION		C -AI-N/A
1.1 Name of Cutter Cutter: (Required Competencies) Name of Spotter:	Safe Approace Power lines - CPR (Annually) First Aid (3yr High Risk Lice AQF3 Climbin	h Distance/M (Annually) Expiry) ence over 11 ig Competen h Distance/M (Annually)	Working Nea	ar Overhead	d	COMPLETION		C -AI-N/A
1.1 Name of Cutter Cutter: (Required Competencies) Name of Spotter: Spotter: (Required	Safe Approace Power lines - CPR (Annually) First Aid (3yr) High Risk Lice AQF3 Climbin Safe Approace Power lines -	h Distance/M (Annually) Expiry) ence over 11 ng Competen h Distance/M (Annually)	Working Nea	ar Overhead	d	COMPLETION		C -AI-N/A
1.1 Name of Cutter Cutter: (Required Competencies) Name of Spotter:	Safe Approac Power lines - CPR (Annually) First Aid (3yr High Risk Lice AQF3 Climbin Safe Approac Power lines - CPR (Annually)	h Distance/M (Annually) Expiry) ence over 11 ng Competen h Distance/M (Annually) Expiry)	mtrs (WP)	ar Overhead (5yr Expiry)	d	COMPLETION		C -AI-N/A
1.1 Name of Cutter Cutter: (Required Competencies) Name of Spotter: Spotter: (Required	Safe Approact Power lines - CPR (Annually) First Aid (3yr) High Risk Lice AQF3 Climbin Safe Approact Power lines - CPR (Annually) First Aid (3yr)	h Distance/M (Annually) Expiry) ence over 11 ig Competen h Distance/M (Annually) Expiry) ence over 11	mtrs (WP)	ar Overhead (5yr Expiry)	d	COMPLETION		C -AI-N/A
1.1 Name of Cutter Cutter: (Required Competencies) Name of Spotter: (Required	Safe Approace Power lines - CPR (Annually) First Aid (3yr) High Risk Lice AQF3 Climbin Safe Approace Power lines - CPR (Annually) First Aid (3yr) High Risk Lice AQF3 Climbin	h Distance/M (Annually) Expiry) ence over 11 ig Competen (Annually) Expiry) ence over 11 ig Competen competen	mtrs (WP)	ar Overhead (5yr Expiry) ar Overhead (5yr Expiry)	d	COMPLETION	I DATE	C -AI-N/A

Prepared By: HSE Coordinator		Owner: Business Managers	Issue Date: 09/10/2017
Document No: TC-F659	Issue No: 2	Page No: 1 of 8	Review Date: 08/10/2020
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Competencies)	Power lines - (Annually)		
	CPR (Annually)		
	First Aid (3yr Expiry)		
	High Risk Licence over 11mtrs (WP) (5yr Expiry)		
	AQF3 Climbing Competency		
1.2	Is the Spotter aware of his sole responsibilities Powerlines?	when undertaking works around	C –AI– N/A

PRESTART/ HAZARD ASSESSMENT 2.0 C -AI-N/A 2.1 Has the Pre-start / Log Book entry been completed? (spot check two items) Are audible and visible waning devices operational? 2.2 Is the Elevated Work Platform Electrical Testing current and within date? 2.3 2.4 Is the Elevated Work Platform Weight Testing current and within date? Have the crew completed and a completed Hazard Assessment Checklist for the 2.5 works being undertaken? Has an appropriate risk assessment been undertaken determining the drop zone? 2.6 (drop zone is determined whereby a part of the tree controlled or uncontrolled can Have the work crew confirmed that the weather and environmental conditions are 2.7 suitable for the task? (works to cease when raining) Has the work crew identification of the sag and potential sway? (whereby SAD's can 2.8 C-AI-3.0 SITE SET UP including TRAFFIC & PEDESTRIAN MANAGEMENT N/A Is a Traffic /Pedestrian Management plan being used for the site? Pls complete 3.1 T/PMP Option_ 3.2 Has the Drop zone to be determined in line with Traffic Management Plan? Are Class 1 signs only in use? (High-visibility honeycomb background) 3.4 Are all traffic signs / barricades / witches hats in good condition? SAFE APPROACH DISTANCES - Elevated Work Platform/Climbers 4.0 C -AI-N/A As per the Electrical Safety Rules for Vegetation Management Work Near Overhead Powerlines by Non-Electrical Workers 4.1 Can the Cutter/Spotter confirm their Safe Approach Distances? Have greater safe approach limits been imposed then set out below by the local 4.2 council and work crews aware?

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SAFE APPROACH DISTANCES - Elevated Work Platform/Climbers C -AI-N/A Cont'd Safe Approach Distances (mm) for Vegetation Management Work by Ground Worker and Climber working near Overhead **Powerlines** __LV <1000v **Under line** Beside Line Over Line 1000 1000 **Body Clearance** No Work 1000 Uninsulated Tools & Equipment 1000 No Work 300 300 No Work Insulated Tools & Equipment Vegetation Clearances Touching Touching 3000 11,000Kv to 22,000Kv **Under line** Beside Line Over Line 1200 No Work 1200 **Body Clearance** Uninsulated Tools & Equipment 1000 1000 No Work Insulated Tools & Equipment 1000 1000 No Work Vegetation Clearances 700 700 No Work >22,000Kv to 66,000Kv **Under line** Beside Line Over Line 2000 2000 No Work **Body Clearance** Uninsulated Tools & Equipment 2000 2000 No Work Insulated Tools & Equipment 2000 2000 No Work Vegetation Clearances 900 900 No Work C-AI-N/A **PERMITS** 5.0 5.1 Has a suppression of auto reclose been granted by appropriate Electrical Utility? (where required) Following the completion of the Hazard Assessment Checklist if it is determined that Safe Approach Distance cannot maintained, this information must be recorded and forward to the Supervisor. It is then the responsibility of the Supervisor to contact the relevant energy provider and complete all paperwork associated with application for Suppression or possible Shutdown of the overhead lines. Once approved by the relevant energy provider it is the Supervisors responsibility to ensure that works are undertaken in accordance with the approved application for suppression and that all crew members are aware of the status of the overhead powerlines

6.0	PERSONAL PROTECTIVE EQUIPMENT	C-AI-N/A
6.1	Is Sunsmart Workwear being worn by all crew members? (made of natural fibres)	
6.2	Is safety footwear being worn by all crew members? (non-slip soles)	
6.3	Is hearing protection being worn? (if required)	
6.4	Is eye protection being wom?	
6.5	Are all crew members wearing Hard Hats? (confirm issue date)	
6.6	Where applicable is additional PPE being worn appropriate to the task? (i.e. gloves, respirator)	
6.7	Are all metallic objects (ie personal jewellery - neck chains, earrings, watches, rings, bracelets, other body adornments) removed or covered?	
6.8	Is Long Hair including facial hair confined close to head of the operators?	

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7.0	EMERGENCY RESPONSE	C -AI -N/A
7.1	Have crew members discussed a site specific emergency plan the work area and works being undertaken?	
7.2	Has a clear method of communication been established?	
7.3	Do crews have access to a first aid kit in the event of an emergency and its contents have been checked. Contents were last replenished?	
7.4	Do crew members have access to a phone in the event of emergency?	
7.5	In the event accidental contact electrical wires are crews aware of the hazard associated with step and touch potentials and control measures to be implemented? 1. If contact is made with an energized power line while you are in a vehicle, remain calm and do not get out unless the vehicle is on fire. If possible, call for help 2. If you must exit any equipment because of fire or other safety reasons, try to jump completely clear. 3. Make sure that you do not touch the equipment and the ground at the same time. 4. Land with both feet together and shuffle away in small steps to minimize the path of electric current and avoid electrical shock. 5. Be careful to maintain your balance 6. The spotter and any other ground staff must remain well clear min. 6mtrs and ring for emergency assistance. 7. No attempt should be made to perform a rescue of injured persons or to approach electrical	
	apparatus of electrically conductive objects.	
Auditor Signature	etor Position and Signature :	

Prepared By: HSE Coordinator		Owner: Business Managers	Issue Date: 09/10/2017
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(Action Item Sheet) ONLY TO BE COMPLETED WHERE ACTIONS ARE REQUIRED.

- WHERE SIGNIFICANT NON-COMPLIANCE HAS BEEN IDENTIFIED WORKS MUST CEASE IMMEDIATELY
- ALL above Action Items noted must be explained / clarified.

 Citywide Management Representatives are responsible for ensuring action items are closed out in a timely manner
- All Action Items are to be discussed at local Toolbox meetings

Item No	Action Item	Responsible Officer (responsible for close out actions)	Close Out Date

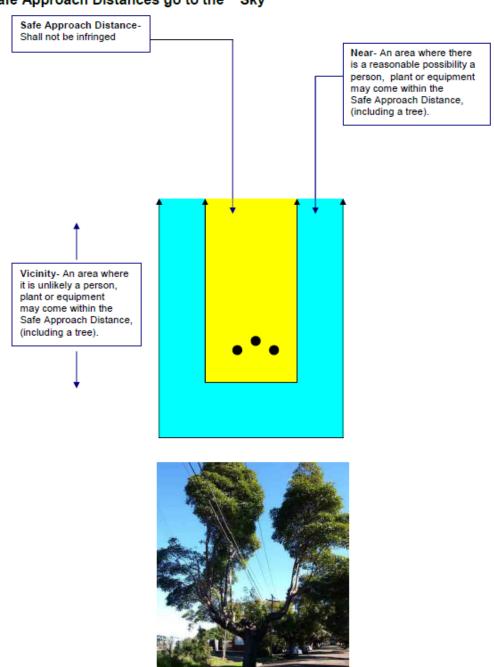
ı	Prepared By: HSE Coordinator		Owner: Business Managers	Issue Date: 09/10/2017
	Document No: TC-F659	Issue No: 2	Page No: 5 of 8	Review Date: 08/10/2020

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Mobile Worksite Audit Form Reference Information



Safe Approach Distances go to the 'Sky'



Prepared By: HSE Coordinator		Owner: Business Managers	Issue Date: 09/10/2017
Document No: TC-F659	Issue No: 2	Page No: 7 of 8	Review Date: 08/10/2020

Mobile Worksite Audit Form



Reference Information

TC-P657 - Suppression of the Auto Reclose Procedure Work Conditions that require Suppression

Work Conditions	Suppression/Shutdown
Working near low voltage bare or insulated conductors and/or equipment	Not applicable
Working near low voltage bare or insulated conductors and/or equipment when on the same structure as high voltage bare or insulated conductors and/or equipment.	Suppression is required.
If there is a possibility that the tree section being cut, or a tree section is moved by the section being cut, and that, that section can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage.	
If there is a possibility that the EWP, operator or tools can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage	Suppression is required
Working near low voltage bare or insulated conductors and/or equipment when on the same structure as, but not near to high voltage bare or insulated conductors and/or equipment.	Suppression is not required
If there is no possibility that the tree section being cut, or a tree section moved by the section being cut, can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage	
If there is no possibility that the EWP, operator or tools can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage.	Suppression is not required
Working near high voltage bare or insulated conductors and/or equipment	Suppression is required
If there is a possibility that the tree section being cut, or a tree section is moved by the section being cut, and that, that section can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage	
If there is a possibility that the EWP, operator or tools can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage.	Suppression is required
Working in the vicinity of high voltage bare or insulated conductors and/or equipment.	Suppression is not required
If there is no possibility that the tree section being cut, or a tree section moved by the section being cut, can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage	
If there is no possibility that the EWP, operator or tools can accidentally or otherwise infringe on the 'Safe Approach Distance' to the high voltage	Suppression is not required

ı	Prepared By: HSE Coordinator		Owner: Business Managers	Issue Date: 09/10/2017
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Mobile Worksite Audit Form

Reference Information



Understanding Step and Touch Potential

Written by John Boyle OSHA

What is Step and Touch Potential?

To understand step and touch potential, we first need to understand how energy dissipates across conductive objects. During broken pole or downed wire conditions, some really good conductors exist that provide path to ground including metal fences, wet soil and puddles. Other conductors exist that may not be so good, yet still allow current to travel to ground, such as trees, wood fences and utility poles. Wood is typically thought of as an insulator, but wet wood will conduct

When an energized conductor falls across a chain-link fence or directly to the ground, the object and immediate area become energized, creating a zone of high voltage in relation to the ground. The actual voltage depends on the source, resistance of the object and soil conditions, which include material and moisture.

The dissipation of voltage from a grounded conductor – or from the grounded end of an energized grounded object – is called the ground potential gradient.

Voltage drops associated with this dissipation of voltage are called ground potentials. The voltage decreases rapidly with increasing distance from the grounded end.

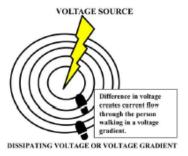


DISSIPATING VOLTAGE OR VOLTAGE GRADIENT

Another way of describing this is the example of a stone dropped in a pond. The stone creates ripples that eventually fade as they move from the centre. Voltage is highest at the source and fades as the energy moves across the ground

Step Potential: Voltage between the feet of a person

When current is flowing from an overhead conductor through a chain-link fence to the earth, a high-voltage condition is created and a voltage gradient will occur based on the resistivity of the soil, resulting in a voltage difference – also known as a potential difference – between two points on the ground. This is called a step potential as it can cause voltage difference between a person's feet



Touch Potential: Voltage between energized object and feet of a person

Touch potential is the voltage between any two points on a person's body – hand to hand, shoulder to back, elbow to hip, hand to foot and so on. For example, if an overhead conductor falls on a car, and a person touches that car, current could pass from the energized car through the person to the ground.

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	Prepared By: HSE Coordinator		Owner: Business Managers	Issue Date: 09/10/2017

Appendix 9 Quality Audits

Wyndham Quality Template

				Parks	Arboriculture	Unit Quality	Checklist				
Auditor N	ame -				Leading Hand	- Checklist					Area Leader Team Leader- 1/team Weekly
Auditor Po	osition -				Development Team	Development Team	Maintenance Crew	Maintenance Crew	Maintenance Crew	Site Cleanup	Leading Hand 2/team weekly
Date	Area (tree development, maintenance, external contractors)	Staff Name & Unit Number	Site/location	Job being performed	Watering	Mulch/Stakes/ Formative Pruning	Footpath/road clearance to specification	Pruning to AS 4373	Powerline Clearance	Clean up acceptable	Additional Comments
				8			9.				
				te .							

Internal Quality Audit Tree Pruning Activities



Quality Audit Tr	ee Services		CITYWIDE
Contract Name:	Cor	ntract No:	
Month:	Da	te:	
Auditor:			
TREE PRUNING ACTIVITIE (Assess tree pruning agai		and the supporting dia	grams overleaf).
Criteria	Location 1	Location 2	Location 3
Criteria	18	a i	
Is the tree pruned to the contract specification? (Wire/road/light clearance, removal of deadwood etc)			
2. Is tree pruning in accordance with AS 4373, Pruning of Amenity Trees? (Examples overleaf)			
3. Is there evidence of poor pruning such as bark tears, overcuts or 'banana cuts'? (Examples overleaf)			
4. Are there any hanging limbs left in the tree?			
5. Is there any parasitic or opportunistic growth evident? (Mistletoe etc)			
6. Has the worksite been left in a safe condition? (<i>Trip hazards</i> , debris, low limbs over footpath etc)			
7. Is there evidence of works or damage to surrounds?			
Compliant: Y/N			
Whorehy any item is deemed	Non Compliant places ref	for to Close Out Action Page	to outline action taken

Where a Non-Conformance exists please take a photography of the site for inclusion in close out

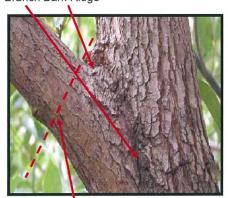
Prepared By: Operations Manager	Owner: Business Unit Mana	ager	Issue Date: 10/07/2014
Document No: TC-F654	Issue No: 4	Page No: 1 of 2	Review Date: 10/07/2017

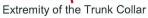
Internal Quality Audit Tree Pruning Activities



Examples of Accurate Pruning Cuts:

Live Branch Removal Branch Bark Ridge







Dead Branch Removal





Examples of Poor Pruning:

- Bark tearing below the cut
- On larger branch removals, the cut is not straight and tends to veer off leaving a concave final cut
- Pruning cut includes a portion of the trunk collar
- A stub has been left
- There has been wounding of the stem by overcutting, (usually power pruner work).
- The cut has been made flush to the trunk

Prepared By: Operations Manager	Owner: Business Unit Man	ager	Issue Date: 10/07/2014
Document No: TC-F654	Issue No: 4	Page No: 2 of 2	Review Date: 10/07/2017
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Internal Quality Audit Tree Pruning Activities



COMM	MENTS/CORRECTIVE ACTION REQUIR	RED:	
J.	\$4		
	<i>s</i>		11
			¥ .
(-)	D OFF BY EMPLOYEE/S AND/OR SUB-CO RE APPLICABLE):	NTRACTORS AUDITED AND CORRECTIVE ACTION	TAKEN
1.	NAME:	SIGNATURE:	
2.	NAME:	SIGNATURE:	
3.	NAME:	SIGNATURE:	
4.	NAME:	SIGNATURE:	
5.	NAME:	SIGNATURE:	
6.	NAME:	SIGNATURE:	
7.	NAME:	SIGNATURE:	
RMSS	No / Action ID No:		
Close	Out Action Date		
Respon	nsible Person		

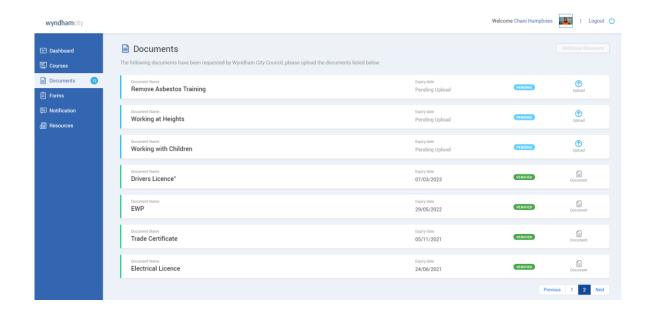
Prepared By: Operations Manager	Owner: Business Unit Mana	ager	Issue Date: 10/07/2014
Document No: TC-F654	Issue No: 4	Page No: 3 of 2	Review Date: 10/07/2017
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Appendix 10 - Compliance Audits

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Parks Arbariculture Quality Audit

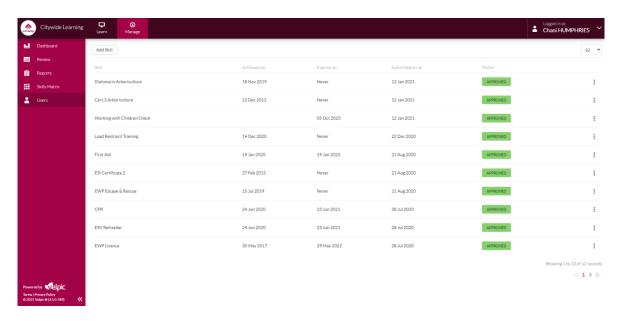
	Street/Site Location :					
	Accessor :		ĺ			
	Date :		ĺ			
	Location :					
	Total Number of trees assessed					
	% Completed reported		ļ			
	Indicators - Random Street	Rating	Max. soore / tree	Avg. Soore per Category	Max. soore / category for total trees	Actual coore / categor for total trees
1	8ite left in a tidy ctate	Yes = 5, No = 0	5	- 5	50	2
2	No pruning undertaken but required	Yes = 15, No = minus 15	15	15	150	
3	Clearance - footpath	Yes (or not applicable) = 15, insufficient = 5, No works = minus 10	15	15	.150	
4	Clearance - road	Yes (or not applicable) = 15, insufficient = 5, No works = minus 10	15	15	150	ř
5	Street signs olear	Yes (or not applicable) = 10, No = 0	10	10	100	
8	Street lights clear	Yes (or not applicable) = 10, No = 0	10	10	100	
7	Wires - pruned to ELC Plan	Yes (or not applicable) = 15, insufficient = 5, No works = minus 10	15	15	150	
8	Dead wood present	None or < 40mm = 10, > 40mm but < 100mm = 0, > 100mm = minus 5	10	10	100	
8	Hanging branch	None (or not applicable) = 10, Yes = minus 10 (<400mm)	10	10	100	
10	Final outs to A 8 4373	Yes = 15, No (Minor) = 5, No (Me(or) = minus 10	15	15	150	
11	Formative pruned	Yes (or not applicable) = 15, insufficient = 5, No = minus 5	15	15	150	
12	Early Formative Pruning (cmall trees only)	Yes (or not applicable) = 10, No works = minus 20	10	10	100	·
13	Stakes and ties removed	Yes (or not applicable) = 5, No = 0	5	5	50	
14	Hazardous tree not actioned/reported	Not Applicable = 0, Yes = minus 50	0	0	0	Ý
	accompanyon ac	TOTAL	150	150		
	Thresholds - Zone					
	90% - 60% = improvement required	Percentage for Street			1	
	< 80% = Unacceptable					
			Works Required for	Total		

Appendix 11 – Rapid Global Document Portal (Wyndham)



Appendix 12 - Training Matrix Template (Citywide)

(Completed version to be requested)



Appendix 13 - Sample SOP - SWMS

Relevant SOP - SWMS Register

Document Number	Document Name
SWMS 013	Conflict on Site
SWMS045	Pruning at Heights using an EWP
SWMS 063	Traffic Management
SWMS 073	Vehicle Operations
SWMS 147	Working in Close Proximity to Above & Below Ground
	Assets.
SOP 007	Mechanical Handheld Equipment
SOP 020	Chainsaw & Power Pruner Use
SOP 021	Chipper Operation
SOP 023	Stump Removal
SOP 025	Tree Pruning & Removal
SOP 027	Working With Palms
SOP 031	Safety Observer

Sample SWMS

GOAL ZERO	Revision Date: JUNE 2021													
MENT	Date Issued: JUNE 2018		Australian Capital Territory	Work Health and Safety Act 2011	Work Health and Safety Regulation 2011.	Dangerous Goods Act 1985	Dangerous Goods (Storage and Handling) Regulations 2012	Code of Practice for the Storage and Handling of Dangerous Goods 2013						
SAFE WORK METHOD STATEMENT	Version: 5	dards and codes of practice.	Queensland	Work Health and Safety Act 2011	Work Health and Safety Regulation 2011	Dangerous Goods Act 1985	Dangerous Goods (Storage and Handing) Regulations 2012	Code of Practice for the Storage and Handing of Dangerous Goods 2013						
AFE WORK ME	SWMS No: 013	Note applicable legislation, stan	New South Wales	Work Health and Safety Act 2011	Work Heath and Safety Regulation 2011	Dangerous Goods Act 1985	Dangerous Goods (Storage and Handling) Regulations 2012	Oude of Practice for the Storage and Handling of Dangerous Goods 2013						
15	Activity. Conflict and Abuse on Site	Legislation, Codes of Practice And Standards – Note applicable legislation, standards and codes of practice.	Victoria	Occupational Health and Safety Act 2004	Occupational Health and Safety Regulations 2007	Equipment (Public Safety) Act 1994	Equipment (Public Safety) Regulations 2007	Road Management Act 2004 (VIC)	Road Transport (Safety & Traffic Management) Act 1999	Codes of practice including Notes Notes Natural Handing Plant Elst Ad Oorfined Seace				
	Activity: Conflict a	Legislation	Applicable Legislation and	Codes:										



	SAFE WC	JRK MET	SAFE WORK METHOD STATEMENT	EMENT	GOA.	GOAL ZERO
Activity. Conflict and Abuse on Site	on Site	SWMS No: 013	Version: 5	Date Issued: JUNE 2018	Revision Date: JUNE 2021	NE 2021
PROCESS STEPS	POTENTIAL HAZARDS	INHERENT RISK	2	HAZARD CONTROL MEASURES	RESIDUAL RISK	RESPONSIBLE PERSON
List the steps required to per form the task in the sequence they are carried out.	Against each step list the potential hazards that could cause injury when the task is performed (E) = Environmental Hazard	Refer to Risk Metrix	For each hazard identified is hjury Ulifae hierardry of confi	For each hazard identified list the control measures required to eliminate or minimise the risk of injury Ustae herardry of control (elimination, substitution, separation administrative control, PPE).	of Risk rating after control measures applied.	Responsible
Verbal Abuse	Complaints	×	Remain calm Allow individual to expres their complaint Offer no response Direct them to a serior m Citywide contact number	Remain calm Allow individual to express their concems and acknowledge their complaint Offer no response Direct them to a serior member on site / relevant authority / Citywide contact number	1	All
	Threats	2	Remain calm Offer no response Leave area in the safest manner Request help from bystanders Inform Supervisor Inform police where necessary	afest manner systanders necessary	1	Operators
	Approaching 3rd Parties	W	Citywide Operators under no cathird parties in a confronting or All grievances should be direct Inform police where necessary	Citywide Operators under no circumstances are to approach third parties in a confronting or threating manner All grievances should be directed to Management to action. Inform police where necessary	٦	All
Physical Abuse	Irjury	I	Remain calm Leave area in the safest manner Offer no response Request help from bystanders Obtain First Aid or Medical assistano Inform Supervisor, or direct Manager Inform police where necessary	Remain calm Leave area in the safest manner Offer no response Request help from bystanders Obtain First Aid or Medical assistance if required Inform Supervisor, or direct Manager Inform police where necessary	2	All

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	SAFE WORK METHOD STATEMENT	RK MET	HOD STA	TEMENT	70 <u>5</u>	GOAL ZERO
Activity. Conflict and Abuse on Site		SWMS No: 013	Version: 5	Date Issued: JUNE 2018	Revision Date: JUNE 2021	UNE 2021
PROCESS STEPS	POTENTIAL HAZARDS	INHERENT	•	HAZARD CONTROL MEASURES	RESIDUAL	RESIDUAL RESPONSIBLE RISK PERSON
Hold-ups	Violence	=	Immediately give any items reque Do not anger or antagonise thief Remain calm Answer questions asked Once thief has left note description vehicle is model / colour / type of Inform Police immediately Inform Supervisor, or direct Mana Obtain First Aid or Medical assist	Immediately give any items requested to thief Do not anger or antagonise thief Remain calm Answer questions asked Once thief has left note description of individual's appearance, wehicle ie model / colour / type of transport, registration etc inform Supervisor, or direct Manager Obtain First Aid or Medical assistance if required	, a	Operators
	Stress	M	Inform Supervisor, soon as possible.	Inform Supervisor, Group OHS Manager or HR Manager as soon as possible. Access EAP to debrief.	٦	All



ZERO PATALTIES
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Owner: HSEQ Team Page: 4 of 9	1. 294 Arden Street, North Metbourne
ared By: HSE Advisors	de Service Solutions Pty. Ltd. 294 Arden Street, North N



SAFE W	SAFE WORK METHOD STATEMENT	OD STATE	MENT	GOAL ZERO
tivity. Conflict and Abuse on Site	SWMS No: 013	Version: 5	Date Issued: JUNE 2018	Revision Date: JUNE 2021

ctivity. Conflict	ctivity. Conflict and Abuse on Site	SWMS No: 013	Version: 5	Date Issued: JUNE 2018	Revision	Revision Date: JUNE 2021	2021
		ange	s to SWMS - A	mendment Sheet			
Supervis	Supervisor / Leading Hand Name	Supervisor / Leading Hand Signature	Design	Designated Reviewer Name	Designated Reviewer Signature	ewer Signatu	9_
Strep No.	Changes / Additions to the work method identified	Identified Potential Safety or Environmental Hazards	Inherent lazards Risk Score	Control Measures to be implemented to reduce or eliminate identified Hazards	lemented to reduce or ed Hazards	Residual Risk	Action by
Review the F	lisks - Do the above change	Review the Risks - Do the above changes require higher level management approval?)		No Yes If Yes Approved By:	Approved By:		
Note: Where	the risk is identified as High or	Note: Where the risk is identified as High or Extreme after controls are implemented GM, Health, Safety, Environment & Risk must approve any changes prior to the job/task	GM, Health, Safel	by, Environment & Risk must	approve any changes p	rior to the jo	b/task

	_	 	 	
6	UIS OWWAS)			
X	od changes and the nazard controls adopted for t			
CHANGE ACCEPTANCE - SIGN-ON	n enatory signing decom i nave read and understood the metrod charges and the nazard controls adopted for this symmoly			
	(LCONIUM BISEDY SIG			
ā				

Prepared By: HSE Advisors
Citywide Service Solutions Pty. Ltd. 294 Arden Street, North Melbourne
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SAFE WORK METHOD STATEMENT



Revision Date: JUNE 2021 Date Issued: JUNE 2018 SWMS No: 013

CONSULTATION AND SIGN OFF

Activity. Conflict and Abuse on Site

This SWMS has been developed in consultation and cooperation with workers and relevant persons conducting business or undertaking (PCBU). I have read the above SWMS and I understand its contents. I confirm that I have the skills and training, including the relevant cartification to conduct the task as described. I agree to comply with the safety requirements within this SWMS including safe work instructions and personal protective equipment described.

This SWMS briefing and consultation was carried out by the person indicated in the "Inducted By" column below and has formed part of my induction into this SWMS. Employees must complete the SWMS Sign Sheet after induction.

NAME (Please Print)	Company	Signature	Inducted By	Date
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10.				
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	SAF	E WORK ME	SAFE WORK METHOD STATEMENT	MENT		GOAL ZERO	2
ctivity. Conflict and Abuse on Site	Site	SWMS No: 013	SWMS No: 013 Version: 5 D	Date Issued: JUNE 2018		Revision Date: JUNE 2021	021
NAME (Please Print)	E vint)	Company	Signature		Inducted By	Date	
48.							
48.							
50.							
51.							
52							
23							
75							
\$5							
96.							
	Reviewed by Site/Proje	Reviewed by Site/Project Manager: (responsible person at that location):	arson at that location):				
Name:	ne:		Signature:		Date:		
	Client Sign off: (where applicable):	applicable):					
Name:	ne:		Signature:		Date:		

		Review Process
Authorizing Signature	I Approve the use of the older works and through chieffe	 All changes and updates must be consulted with DWG and HSR
	On Site Supervisor	 SVMAS are periodically reviewed in accordance with the SQE
		Calendar of Events, and when required as a result of an incident, accident, audit or change to legislation
	Contact Number:	Non routine tasks are assessed through Worksite Risk Assessments
GM, Health, Safety, Environment &	The nominated on site supervisor will be responsible for implementing the SWMS and inspecting	
County - Colon muliay	the workard, processe measures, pand, equipment and power rous.	

Prepared By: HSE Advisors

Owner: HSEO Team Page: 9 of 9

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			SAF	E W	SAFE WORK METHOD STATEMENT	THO	D STAT	EME	¥			GOAL ZHRO	OH:
Activity: Worki Ground Assets	ing in Close I s	Proximity to	Activity: Working in Close Proximity to Above / Below Ground Assets		SWMS No: 147		Version: 2.0	Date Iss	Date Issued: October 2018	2018	Revisio	Revision Date: October 2021	ber 2021
Business Unit:	AII					8	Competency & Qualifications:	lifications:					
Contract:	₩					Tra	Training /Skills Required: Not applicable	red: Not s	applicable	_			
I shallboard			Consequence					_		_			
Control	Insignificant	×	Moderate	Major	Catastrophic		Equipment:	Traffic	,o	Skid Seer		Tractors	
Almost Certain	E -	2	= =	-	. u	S	Cranes	Exca	Excavator	Forklifts		Eductor Trucks	cks
Possible	_	_	×	=									
Unlikely	_	7	×	Ξ	=	3 8	Contact number for electrical	##					
Rare	7	_	٦	W	Ξ	<u> </u>	supply during						
Personal Hygien	e & Personal F	Protective Equ	Personal Hygiene & Personal Protective Equipment Requirements for the Task	ements for t		X cross	(flems X cross are mandatory unless approved by HSE Coordinator	ess approved	1 by HSE Coordin	nator			
No Loose Chiming & Hair	Uniform	Safety	High Vis'	Safety	Gloves	Hard Hat	Hearing	DustMask	Respirator	Face Shield	Fall Arrest	Other	Other
& Jewellery	_	(ASNZS 2210.3)		(ASNZS 1337)	times)	1801		Type.	Tye	-	lype		
		2				B	(B)		(B)		₹		
	\boxtimes	×	\boxtimes								×		
Potential Hazards / Aspects associated with the activity / task	/ Aspects assoc	iated with the a	ctivity / task										
Potential site sp.	the Hazards associa edific Hazards shall	ated with the Activi Ibe addressed at a	ffy/Task by placing a (its and recorded within	n the Activity Pr	Benish each of the Hazards associated with the Activity flask by placing a (*) matto the polantial hazard, and ensure the hazards associated with the SWMS. Polantial site specific Hazards shall be addressed at site and recorded within the Activity Prestat record. All boxes MUST be completed ** Recition potential hazard	une the hazary w MUST be cor	dis adequately address mpleted - X = notidentit	sed within the St. led \(- identific	MMS. Idipotential hazard				
Work Environme	co ment		Enemy		Work Process		Chemi	cals		Rant / Equipment		People	
EntryExit - Access/Equess	SSelf	Gess		✓ Workin	✓ Working at Height	>	✓ Haz ardous / Dangerous Goods	us Goods	Elev. Wk. Platform	afform	√ Wor	Working at Night	_
Temo. Extremes/Weather	after	Weight (i.e. Lo	Weight (i.e. Loaded palets, storage	\exists	Falling Objects	>			Cranes		Fatone	eme	
Confined Spaces		Eastic Stored	Bastic Stored Energy (cables.	Sheet	SheetMetal Work & Welding	_	Asbestos / SMF		Excevator		Stress	88	_
Excavations	_	✓ Water		High	High Noise Levels	_	Toxic Substances		Forkiffs / Telehandlers	iehandlers	Wee	Working alone /Lone worker	riter
	-										-		

Work Environment	Enemay	Work Process	Chemicals	Plant / Equipment	Pennie
EntryExit - Access/Egress	SSP)	✓ Working at Height	✓ Hazardous / Dangerous Goods	Elev. Wk. Platform	✓ Working at Night
Temp. Extremes/Weather	Weight (i.e. Loaded pallets, storage	Faling Objects		Cranes	Fatone
Confined Spaces	Bastic Stored Energy (cables.	SheetMetal Work & Welding	Asbestos / SMF	Excevator	Stress
Excavations	V Water	High Noise Levels	Toxic Substances	Folkiffs / Telehandlers	Working alone / Lone worker
Oxygen Atmospheric Level	Bedricty HV	✓ Scaffold & Ladders	Inhaiation	Skid stear	✓ Personnel Threat
Remote Site / Difficult Rescale	Badrich LV	✓ Manual Handing	ContactWith	Plant Movement .	✓ Fitness for Work
TramRail / Train Movement	Hydraulic Pressure	Procedura Faiture	• Dust	Explosive Tools	Emergency Response Team
Sharp Materials / Objects	Kinetic	Height Access	Bacteria	Windhes	
Poor Liehtino/Visibility	Compressed Air	SuspendedLoads	Oilk	Haulim Equipment	
Sib. Trib Fals Hazards	Radiation	Switching	 Contaminated Fluids 	Lockouts /Valves	_
Vehides / Pedestrians	Steam	Commissioning	Flank	Conveyors	

Prepared By: HSE Advisors

Owner: Group HSEQ | Page: 1 of 13

Citywide Service Solutions Pty. Ltd. 294 Arden Street North Melbourne, Victoria, 3051

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-	
Enemised Plant	
_	
 Ddino Mude/Sit nm off 	
_	
Work under Permit /PTW	
_	
Oxy-Acet/Vene boffles	
_	
Broston/Flora/Fauna	

Applicable Legislation and	able Victoria New South Wales Queens land	New South Wales	Queensland	Australian Capital Territory	
Codes:	Occupational Health and Safety Act 2004	Work Health and Safety Act 2011	Work Health and Safety Act 2011	Work Health and Safety Act 2011	
	Occupational Health and Safety Regulators 2017	Work Health and Safety Regulation 2017	Work Health and Safety Regulation 2011	Work Health and Safety Regulation 2011	
	Equipment (Public Safety) Act 1994	Dangerous Goods Act 1985	Transport Operations (Road Use Management) Act 1995		
	Equipment (Public Safety) Regulations, 2017.	Road Transport Act 2013	Transport Operations (Road Use Management - Dangerous Goods) Resultation 2018		
	Road Management Act 2004 (VIC)	Road Transport (General) Regulations 2013			
	Road Transport (Safety & Traffic Management) Act 1999				
	Complance Codes & Codes of Practice, including.				
	Frst Aid Dangerous Goods Storage				
	Electricity Safety (Installations) Regulations 2009				
	Worksafe Victoria - No Go Zones for Overhead Electrical Powerlines				
	Energy Safe Victoria - Bestrical Safety Rules for Vegetation Management Work Near Overhead Powerlines by Non- Bestrical Moviese				

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SAFEW	SAFE WORK METHOD STATEMENT	OD STATE	MENT	GOAL ZERO
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-			Se .
RESPONSIBLE PERSON	Responsible	Operator	Operator
RESIDUAL	Risk rating after control measuries applied.	н	±
HAZARD CONTROL MEASURES	For each hazard dendited listite control measures required to eliminate or minimise the risk of injury. Utilise hierarchy of control (elimination, substitution, separation, administrative control, PPE)	 Before use inspect all equipment. Complete the relevant sections of the "Vehicles/Equipment/Plant Daily Checkist". Report all faulty equipment to your Supervisor 	PPC&E – Wear eye protection, hard hat, cuff to collar (natural fibre dothing), nubber sole shoes and gloves Onsite Risk Assessment to be completed by work crew
INHERENT	Refer to Plaix Matrix	E	ш
POTENTIAL HAZARDS	Against each site; let the potential hazards that could couse injury when the task is performed (E) = Environmental Hazard	Equipment failure	Bectric Shock
PROCESS STEPS	List the about required to perform the task in the adquence they are carried out.	Working in close proximity to Above Ground Electrical Assets	

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Operator Ξ Accredited Safety Spotter must be on the ground and in dear view of the platform and any hazards. This is COMPULSORY whenever working within 6.4 metres of any electrical lines or equipment up to 66kV. Towers & conductors carrying voltages in excess of 66kV have a Any works conducted between 3 meters & 6.4 meters (under or along side powerfines), a trained Spotter must be provided Deemed to Comply.

• All work members must be trained/instructed in the deemed to Minimum distances and Work Safe Framework for undertaking work near overhead and underground assets. measure limits of approach, refer to Table A below... Deemed to comply risk assessment to be completed. Permit must be obtained from the relevant Electrical Dedicated Spotter to be provided Operator must be trained and utilise Trupulse 360 to All cables are to be considered five until advised otherwise by the electricity distribution company Any works conducted within 3 meters, refer to table below. All work to be completed as per the SWMS and No works to be conducted over powerlines Any works conducted within 3 meters: 10 metre No Go Zone. Unauthorised Persons comply process No Go Zones ш required settler required cutaids 6.4m z O GO ZONE proximity to Above Ground Electrical Assets Working in close

aared By: HSE Advisors	Owner: Group HSEQ	Page: 4 of 13
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Activity: Working in Close Proximity to Above / Below SWMS No: 147 Version: 2.0 Date Issued: October 2018 Revision Date: October Ground Assets	SAFE WORK METHOD STATEMENT	RK METH	OD STATE	MENT	GOAL ZERO
	Activity: Working in Close Proximity to Above / Below SW Ground Assets	/MS No: 147	Version: 2.0	Date Issued: October 2018	Revision Date: October 2021

PROCESS STEPS	POTENTIAL HAZARDS	INHERENT RISK	HAZI	HAZARD CONTROL MEASURES	RES	RESIDUAL RISK	RESPONSIBLE PERSON
Working in close	Bechooution Becinic Shock	В	TABLE A: TYPES OF AS	TABLE A: TYPES OF ASSETS AND LIMITS OF APPROACH.	PPROACH.	I	Operator
Ground Electrical Assets			Types of overhead identities A communications seems. Nominal, witing I'll both alternating current and direct corrent	Minimum clearances for the design service of plant and appreced under these and appreced under these administratives permission is required. Permission will apple trequired, Permission will be conditione in Table B cannel be reel.	Safety Controls required (the Beened to Camply guideline provisions to have effect.		trained in Deemed to comply Process
			1. Insulated low veltage electricity conductors	500 mm	Training and safety systems		
			2. Uninsulated law voltage statisticity conductors	1000 rrvm	Training and safety systems		
			3. High voltage electricity conductors up to and including 64W	2000 mm	Training and safety systems		
			4. High voltage electricity conductors above 66kV	64.00 mm	Training and safety systems		
			5. Communications cabing - Broadband and telephory	300 mm	Training and safety systems		
			All releved Vehicle.	All relevant information is to be held in Operating Vehicle.	held in Operating		
Working in close proximity to Above Ground Electrical Assetscont.	Bectroution Bectric Shock	ш	Around Electrical Conductors Any works conducted wthin Dedicated Spoties Operator must be All mobile plant is Always maintan is greater as specificompany	Frain ed and Authorised to complete Vegetation Clearance Around Electrical Conductors • Any works conducted within 3 meters: • Dedicated Spotter to be provided • Dedicated Spotter to be provided • Operator must be trained have a Certificate II (ESI) • All mobile plant is to be suitably insulated and tested Always maintain Safe Approach Distances (SAD) or greater as specified by the electricity distribution company	ation Clearance od a Certificate II (ESI) r insulated and tested h Distances (SAD) or aricity distribution	I	Operator

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SAFE WORK METHOD STATEMENT

GOAL ZERO

Date Issued: October 2018 SWMS No: 147 Version: 2.0 Activity: Working in Close Proximity to Above / Below Ground Assets

Revision Date: October 2021

PROCESS STEPS	POTENTIAL HAZARDS	INHERENT RISK	HAZARD CONTROL MEASURES	RESIDUAL RISK	RESPONSIBLE PERSON
Working in close proximity to Above Ground Electrical Assetscont.	Person / vehicle contact with asset	ш	Moritor weather conditions - powerlines can sag in extreme heat and sway in strong winds Powerlines are difficult to see at dawn and dusk Powerlines are difficult to see at dawn and dusk Wet and humid conditions power may arc, increase dearance distances or cease work.	I	Operator
		ш	If contact is made with vehicle stay in vehicle If contact is made with vehicle stay in vehicle Create exclusion zone of 8-10 meters Contact electricity distribution company	I	Operator
Working around communications towers and antenna equipment	Exposure to electromagnetic radiation	H	Avoid approach directly from the from front, approach from side or rear only.	M	Operator
Optical fibre	Eye damage	н	If severed or ends are exposed, be aware that a utravolet light is emended that could cause eye damage. Do not expose eye to ends.	M	Operator
Working in close proximity to Below Ground Assets	Bectric Shock	ш	PPC&E —Long sleave, long pants, high vis, safety shoes and hard hat when working around mobile equipment All cables are to be considered 'live' until determined otherwise determined not. No Go Zones You may carefully prove the bcation of underground asset by hand or other suitable non-destructive method Do not work within 300 mm for individuals; and 500 mm for plant or equipment	I	Operator



Revision Date: October 2021 GOAL ZERO SWMS No: 147 Version: 2.0 Date Issued: October 2018 SAFE WORK METHOD STATEMENT Activity: Working in Close Proximity to Above / Below Ground Assets

PROCESS STEPS	POTENTIAL HAZARDS	INHERENT RISK	HAZARD CONTROL MEASURES	RESIDUAL RISK	RESPONSIBLE PERSON
	Striking services such as gas or water.	Ŧ	Review Dial Before You Dig Service locating and pot holing prior to commencing works. Obtain relevant service permits and approvals to approach assets. Abide by all permit conditions Complete risk assessments.	W	Operator

Owner: Group HSEQ Page: 7 of 13	ABN 94 066 960 085	ST. The most underdate version is located on ShareDoint
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ment Sheet
Amend
SWMS
ges to
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ntification o
lde

ure	Action by								
ewer Signati	Residual Risk								
Designated Reviewer Signature	ed to reduce or eliminate ands				pproved By:	this SWM/S)			
Designated Reviewer Name	Control Measures to be implemented to reduce or eliminate identified Hazards				No 📗 Yes 📗 If Yes Approved By:	nd the hazard controls adopted for			
Designa	Risk					changes ar			
Supervisor / Leading Hand Signature	Identified Potential Safety or Environmental Hazards				es require higher level management approval?	CHANGE ACCEPTANCE - SIGN-ON (I confirm that by signing below I have read and understood the method changes and the hazard controls adopted for this SWMIS)			
Supervisor / Leading Hand Name	Changes / Additions to the work method identified				Review the Risks - Do the above changes re	(I confirm that by s			
Superviso	Siep No.				Review the Ri	Date:			

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Activity: Working in Close Proximity to Above / Below Ground Assets	SWMS No: 147	Version: 2.0	Date Issued: October 2018	Revision Date: October 2021

CONSULTATION AND SIGN OFF

This SWMS has been developed in consultation and cooperation with workers and relevant persons conducting business or undertaking (PCBU). I have read the above SWMS and I understand its contents. I confirm that I have the safety requirements within this SWMS including safe work instructions and personal protective equipment described.

This SWMS briefing and consultation was carried out by the person indicated in the "Inducted By" column below and has formed part of my induction into this SWMS. Employees must complete the SWMS Sign Sheet after induction.

Inducted By Date											
Signature											
Company											
NAME (Please Print)	1,	2	3.	¥	35	\$ 72	8	ő	10.	11.	12

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CHAMIDE		



Safe Operating	Mechanical Hand Held Equipment	Safe Operating Procedure No:	SOP 007
Procedure		Issue Date:	July 2017
Associated Risk	Keep hands, hair and clothing free from mo	oving parts	
Training/Licence Required			

Safe Operating Instructions



PPE - Ensure that you are wearing eye and hearing protection, gloves, boots and high visibility clothing. When using a brushcutter you must also wear full face shield. Chain saw pants must also be worn when using a hedger.





Pre Start – Ensure pre start check of equipment is carried out checking the condition of any blades, cutters, guards that are in place and seals. If repairs or maintenance are required, complete a maintenance request and only use equipment that is fully functional.



Moving parts – keep hands and feet away from moving parts of equipment at all times.



Always hold the power tool firmly with both hands on the handles. Wrap fingers and thumbs firmly around the handles. Make sure you have firm and secure footing and hold the power tool so that the cutting blades are always away from your body.

Prepared By: HSE Advisor	Owner: Business Manager		Issue Date: 26/07/2017
Document No: 5OP007	Issue No: 1.3	Page No: 1	Review Date: 26/07/2020









Manual handling – ensure feet facing direction of body movement, move feet when you alter stance. Avoid awkward posture. Ensure equipment is held in the correct position for use. Ensure task rotation to alleviate repetitious movement when using hand equipment.





Environment – Be aware of members of the public, other workers and animals in the vicinity of your work. Be aware that projectiles may come from your equipment, cease operation if person enters your work zone.



Refuelling —when refuelling equipment ensure that it is turned off and that an appropriate funnel or spout is used. Refuelling is only to occur in a safe area away from Turf and unprotected drains.

Prepared By: HSE Advisor	Owner: Business Mana	Owner: Business Manager		
Document No: 50P007	Issue No: 1.3	Page No: 2	Review Date: 26/07/2020	



SOP Numb	er	SOP Name:							
Date Name		Company	Signature	Inductor	Inductor Signature				

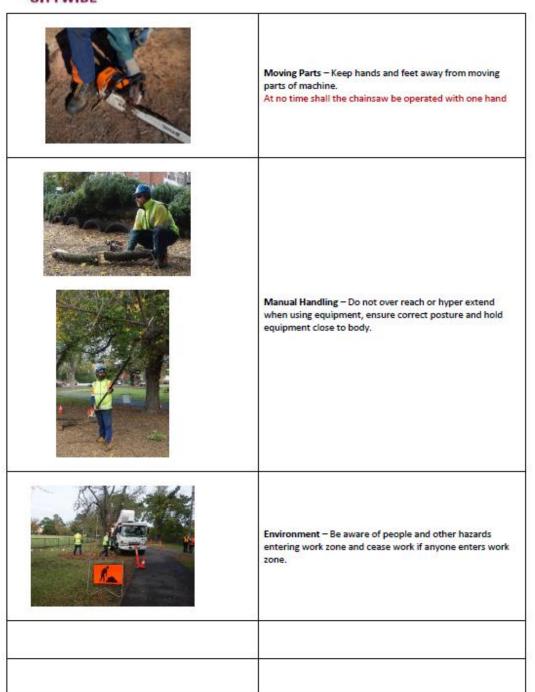
Prepared By: HSE Advisor	Owner: Business Manager		
Document No: 50P007	Issue No: 1.3	Page No: 3	Review Date: 26/07/2020



Safe Operating	Chainsaw and Power Prunii	ng	Safe Operating Procedure No:	SOP 020
Procedure	Citalisaw and Fower Frank	ь	Issue Date:	December 2017
Associated Risk	KEEP HANDS AWAY FROM M the chainsaw	OVING PARTS	6 – Always use two ha	nds when operating
Training/License Required				
1.	Safe Opera	ting Instructi	ons	
		projectiles ar	aspect worksite for hazar nd trip hazards. Check ex condition, suitable for ta completed.	quipment is in
			ow pants must be worn in	The second secon
		prior to any	igement – Identify and e works. <mark>I</mark> mplement select barriers are established	ed traffic management
			Identify and establish dr affic management. To pr orkers.	

Prepared By: HSE Advisor	Owner: Business Manager	Owner: Business Manager		
Document No: 5OP 020	Issue No: 2	Page No: 1	Review Date: 20/12/2020	





Prepared By: HSE Advisor	Owner: Business Mana	Issue Date: 20/12/2017	
Document No: SOP 020	Issue No. 5	Page No. 2	Review Date: 20/12/2020



SOP Numb	er: 020	SOP Name: Chainsaw and Power Pruning						
Date	Name	Company	Signature	Inductor	Inductor Signature			

Prepared By: HSE Advisor	Owner: Business Manager		Issue Date: 20/12/2017
Document No: SOP 020	Issue No: 2	Page No: 3	Review Date: 20/12/2020

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Appendix 14 – Wyndham Indigenous Tree List

COMMON NAME	BOTANICAL NAME
Gold-dust wattle	Acacia acinacea
Silver Wattle	Acacia dealbata
Lightwood	Acacia implexa
Black Wattle	Acacia mearnsii
Blackwood	Acacia melanoxylon
Hedge Wattle	Acacia paradoxa
Golden Wattle	Acacia pycnantha
Wirilda	Acacia retinodes
Varnish Wattle	Acacia verniciflua
Buloke	Allocasuarina luehmannii
Drooping Sheoke	Allocasuarina verticillata
Silver Banksia	Banksia marginata
Sweet Bursaria	Bursaria spinosa
River Bottlebrush	Callistemon sieberi
White Cypress Pine	Callitris glaucophylla
Rock Correa	Correa glabra
Giant Hop Bush	Dodonaea viscosa
Turkey Bush	Eremophila deserti
Blue Box	Eucalyptus baueriana
River Red Gum	Eucalyptus camaldulensis
Grey Box	Eucalyptus microcarpa
Cherry Ballart	Exocarpos cupressiformis
Shrub Violet	Hymenanthera dentata
Prickly Tea-tree	Leptospermum continentale
Woolly Tea-tree	Leptospermum lanigerum
Swamp Paper-bark	Melaleuca ericifolia
Moonah	Melaleuca lanceolata
Tangled Lignum	Muehlenbeckia florulenta
Common Boobialla	Myoporum insulare
Sticky Boobialla	Myoporum viscosum
Snowy Mint-bush	Prostanthera nivea
Mutton-wood	Rapanea howittiana
Kangaroo Apple	Solanum laciniatum

Appendix 15- Habitat Register



Comments Fauna species Tree species Habitat Register Suburb Date

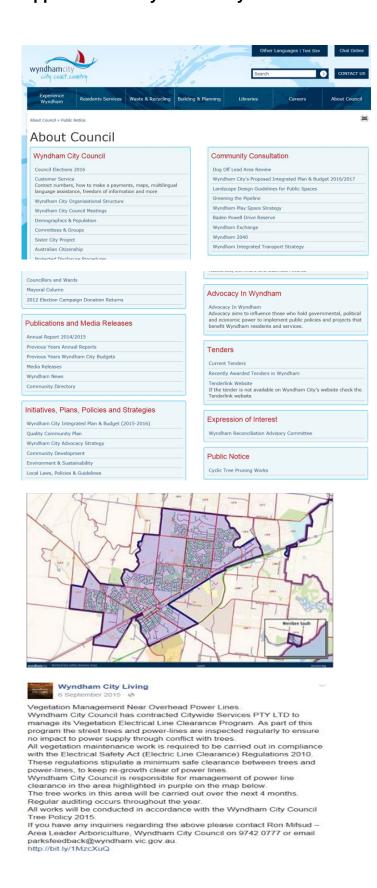
Appendix 16- Exceptions Register



ELCMP - Exceptions Register

Meets exception criteria (Y/N)						
Tree health/ structure notes						
Minimum clearance to conductor						
Size branch						
Conductor type (Insulated/ uninsulated)						
Length						
Span Pole #						
Voltage						
Tree species						
Location						
Suburb						
Date						

Appendix 17 - Wyndham City Council Public Notices & Facebook Page.



Appendix 18 – Works Notification Card.

Nature Strip Tree Inspection Parks Department	wyndhamcity city cosst.country
Wyndham City's Arboriculture Team attended to your nature strip tree today, with the following results: The nature strip tree has been removed or is scheduled for removal The condition of the tree does not necessitate removal The nature strip tree has been pruned/uplifted The nature strip tree is scheduled for pruning/uplifting The nature strip tree does not require work The tree root issue will be actioned accordingly The tree root issue requires further investigation Additional Comments: NB: the resulting stump from removed trees may take up to 4 weeks to be removed	Work is scheduled to be resolved within: 1 week 2 weeks 3 weeks 4 weeks other weeks f you have questions regarding our findings contact 9742 0777 www.wyndham.vic.gov.au

wyndhamcity

October 2021

VEGETATION MANAGEMENT NEAR OVERHEAD POWERLINES

Wyndham City Council has contracted Citywide Service Solutions Pty Ltd to manage its Vegetation Electrical Line Clearance Program.

As part of this program, the street trees and power-lines are inspected regularly to ensure no impact to power supply through conflict with trees.

All vegetation maintenance work is required to be carried out in compliance with the Electrical Safety Act (Electric Line Clearance) 2020 Regulations.

These regulations stipulate a minimum safe clearance between trees and power-lines, to keep re-growth clear of power lines.

Wyndham City Council is responsible for management of power line clearance in the area highlighted in the map below.

The tree works in this area will be carried out over the next four months. Regular auditing occurs throughout the year.

All works will be conducted in accordance with the Wyndham City Council Tree Policy 2019.

If you have any inquiries regarding the above please contact Ron Mifsud - Area Leader Arboriculture, Wyndham City Council on 9742 0777.

