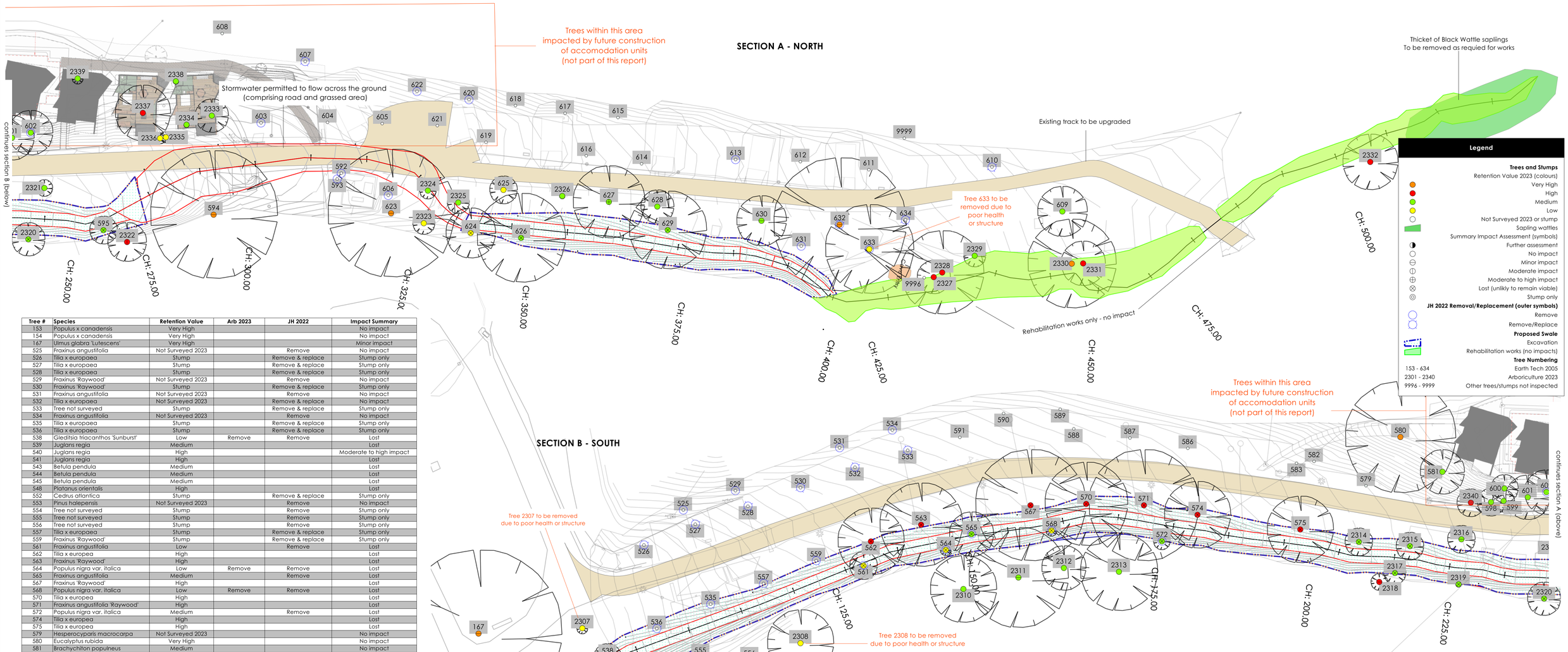

Tree #	Species	Retention Value	Arb 2023	JH 2022	Impact Summary
153	Populus x canadensis	Very High			No impact
154	Populus x canadensis	Very High			No impact
167	Ulmus glabra 'Lutescens'	Very High			Minor impact
525	Fraxinus angustifolia	Not Surveyed 2023		Remove	No impact
526	Tilia x europaea	Stump		Remove & replace	Stump only
527	Tilia x europaea	Stump		Remove & replace	Stump only
528	Tilia x europaea	Stump		Remove & replace	Stump only
529	Fraxinus 'Raywood'	Not Surveyed 2023		Remove	No impact
530	Fraxinus 'Raywood'	Stump		Remove & replace	Stump only
531	Fraxinus angustifolia	Not Surveyed 2023		Remove	No impact
532	Tilia x europaea	Not Surveyed 2023		Remove & replace	No impact
533	Tree not surveyed	Stump		Remove & replace	Stump only
534	Fraxinus angustifolia	Not Surveyed 2023		Remove	No impact
535	Tilia x europaea	Stump		Remove & replace	Stump only
536	Tilia x europaea	Stump		Remove & replace	Stump only
538	Gleditsia triacanthos 'Sunburst'	Low	Remove	Remove	Lost
539	Juglans regia	Medium			Lost
540	Juglans regia	High			Moderate to high impact
541	Juglans regia	High			Lost
543	Betula pendula	Medium			Lost
544	Betula pendula	Medium			Lost
545	Betula pendula	Medium			Lost
548	Platanus orientalis	High			Lost
552	Cedrus atlantica	Stump		Remove & replace	Stump only
553	Pinus halepensis	Not Surveyed 2023		Remove	No impact
554	Tree not surveyed	Stump		Remove	Stump only
555	Tree not surveyed	Stump		Remove	Stump only
556	Tree not surveyed	Stump		Remove	Stump only
557	Tilia x europaea	Stump		Remove & replace	Stump only
559	Fraxinus 'Raywood'	Stump		Remove & replace	Stump only
561	Fraxinus angustifolia	Low		Remove	Lost
562	Tilia x europea	High			Lost
563	Fraxinus 'Raywood'	High			Lost
564	Populus nigra var. italica	Low	Remove	Remove	Lost
565	Fraxinus angustifolia	Medium		Remove	Lost
567	Fraxinus 'Raywood'	High			Lost
568	Populus nigra var. italica	Low	Remove	Remove	Lost
570	Tilia x europea	High			Lost
571	Fraxinus angustifolia 'Raywood'	High			Lost
572	Populus nigra var. italica	Medium		Remove	Lost
574	Tilia x europea	High			Lost
575	Tilia x europea	High			Lost
579	Hesperocyparis macrocarpa	Not Surveyed 2023			No impact
580	Eucalyptus rubida	Very High			No impact
581	Brachychiton populneus	Medium			No impact
582	Eucalyptus melliodora	Not Surveyed 2023			No impact
583	Eucalyptus melliodora	Not Surveyed 2023			No impact

Tree #	Species	Retention Value	Arb 2023	JH 2022	Impact Summary
586	Tilia x europaea	Not Surveyed 2023			No impact
587	Fraxinus 'Raywood'	Not Surveyed 2023			No impact
588	Tilia x europaea	Not Surveyed 2023			No impact
589	Fraxinus 'Raywood'	Not Surveyed 2023			No impact
590	Fraxinus angustifolia	Not Surveyed 2023			No impact
591	Brachychiton populneus	Not Surveyed 2023			No impact
592	Tree not surveyed	Stump		Remove	Stump only
593	Tree not surveyed	Stump		Remove	Stump only
594	Eucalyptus viminalis	Very High			Minor impact
595	Quercus rubra	Medium			Lost
598	Eucalyptus melliodora	Medium			No impact
599	Eucalyptus melliodora	Medium			No impact
600	Eucalyptus melliodora	Medium			No impact
601	Allocasuarina littoralis	Medium			No impact
602	Brachychiton populneus	Medium		Remove	No impact
603	Fraxinus 'Raywood'	Stump		Remove	Stump only
604	Tilia x europaea	Stump			Stump only
605	Fraxinus 'Raywood'	Stump			Stump only
606	Fraxinus 'Raywood'	Stump		Remove	Stump only
607	Bursaria spinosa	Not Surveyed 2023		Remove & replace	No impact
608	Eucalyptus viminalis	Not Surveyed 2023			No impact
609	Tilia x europea	Medium			No impact
610	Eucalyptus rubida	Stump		Remove & replace	Stump only
611	Tree not surveyed	Stump			Stump only
612	Fraxinus angustifolia	Not Surveyed 2023			No impact
613	Tilia x europaea	Stump		Remove	Stump only
614	Tilia cordata	Not Surveyed 2023			No impact
615	Fraxinus angustifolia	Not Surveyed 2023			No impact
616	Fraxinus angustifolia	Not Surveyed 2023			No impact
617	Fraxinus angustifolia	Not Surveyed 2023			No impact
618	Fraxinus angustifolia	Not Surveyed 2023			No impact
619	Tree not surveyed	Stump			Stump only
620	Tree not surveyed	Stump		Remove	Stump only
621	Tilia x europaea	Stump			Stump only
622	Tree not surveyed	Stump		Remove	Stump only
623	Eucalyptus viminalis	Very High			Minor impact
624	Fraxinus angustifolia	Low			Lost
625	Fraxinus excelsior 'Aurea'	Low			No impact
626	Fraxinus angustifolia	Medium			Lost
627	Fraxinus angustifolia	Medium			Moderate to high impact
628	Tilia cordata	Medium			No impact
629	Fraxinus angustifolia	Medium			Lost
630	Tilia cordata	Medium			Minor impact
631	Fraxinus angustifolia	Stump		Remove	Stump only
632	Eucalyptus elata	Very High		Remove & replace	Minor impact

Tree #	Species	Retention Value	Arb 2023	JH 2022	Impact Summary
633	Fraxinus angustifolia	Low	Remove	Remove	No impact
634	Eucalyptus rubida	Stump		Remove & replace	Stump only
2301	Chamaecyparis lawsoniana	Medium			No impact
2302	Juglans regia	Low			Lost
2303	Fraxinus excelsior 'Aurea'	Medium			No impact
2304	Quercus sp.	Medium			No impact
2305	Juglans regia	Medium			Lost
2306	Juglans regia	Medium			No impact
2307	Fraxinus excelsior 'Aurea'	Low	Remove		No impact
2308	Pinus halepensis	Low	Remove		No impact
2309	Pinus halepensis	Low	Remove		No impact
2310	Pinus halepensis	Medium			No impact
2311	Pinus halepensis	Medium			Minor impact
2312	Pinus halepensis	Medium			No impact
2313	Pinus halepensis	Medium			No impact
2314	Liquidambar styraciflua	Medium			Lost
2315	Fraxinus excelsior 'Aurea'	Medium			Lost
2316	Acer sp. cv	Medium			Minor impact
2317	Eucalyptus melliodora	Medium			Lost
2318	Melicytus dentatus	High			Minor impact
2319	Hakea laurina	Medium			Lost
2320	Eucalyptus melliodora	Medium			Lost
2321	Acer rubrum	Medium			No impact
2322	Eucalyptus melliodora	High			Moderate impact
2323	Corymbia maculata	Low			No impact
2324	Callitris glaucophylla	Medium			No impact
2325	Chamaecyparis lawsoniana	Medium			No impact
2326	Fraxinus sp.	Medium			No impact
2327	Eucalyptus sp.	High			No impact
2328	Eucalyptus viminalis	High			No impact
2329	Eucalyptus sp.	Medium			No impact
2330	Eucalyptus melliodora	Very High			No impact
2331	Eucalyptus melliodora	High			No impact
2332	Eucalyptus sp.	High			No impact
2333	Pinus sp.	Medium			No impact
2334	Picea sitchensis	Medium			No impact
2335	Eucalyptus melliodora	Low			No impact
2336	Eucalyptus melliodora	Low			No impact
2337	Fraxinus 'Raywood	High			No impact
2338	Abies sp.	Medium			No impact
2339	Brachychiton populneus	Medium			No impact
2340	Acacia caerulescens	High			No impact
9996	Eucalyptus sp.	Stump			Stump only
9999	Unknown (not surveyed)	Not Surveyed 2023			No impact

Notes to Tables

'JH 2022' column refers to tree and stump removal and replacement recommendations in report of John Hawker Horticulturist (Buchan Caves Tree Removal and Replanting Plan, August 2022). Three errors in the tables in the JH 2022 report were found:
Trees 531, 532 and 632 reported as stumps are existing trees.
Trees 531 and 532 should be reassessed. Tree 632 is in good condition and is considered Very High retention value.

Arb 2023 column refers to tree removal recommendations made by Arboriculture P/L in the current report. These recommendations are based solely on tree health, structure and not considering impacts of the proposed swale.

'Impact Summary' column contains estimates of the impacts on the health and stability of the proposed swale on existing trees surveyed during an inspection in July 2023. See Tree Encroachment Analysis Plan, Buchan Caves Reserve, North Arm Drainage Redevelopment Plan for likely TPZ encroachments of the proposed swale.

Where trees were not inspected in 2023 their existence was verified using aerial images and LiDAR information supplied by Parks Victoria (current as of August 2022). Species names for trees and stumps not inspected have been taken from the report of John Hawker

A	25/08/2023	Draft for client approval	SF
B	19/03/2024	Updated to new Crossco plan of 16/3/2024	SF
C	8/04/2024	Added note regarding future proposed accomodation units	SF

Notes

Tree Protection Zones (TPZ) and Structural Root Zones (SRZ) calculated as per AS4970-2009, Protection of Trees on Development Sites.
Tree locations plotted using DGNSS and Feature Surveys provided by the client

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WARNING

Any services shown or not shown on this map are part of the base plan supplied. The exact location of services should be proven on site. This plan is not intended to identify services and should not be used as such.

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DESIGNED	S. FITZ	MELWAYS	N/A
DRAFT	S. FITZ	CONSULTANT REF	10678.92023
CHECKED		SURVEY REF	Supplied Feature Survey
DWG NO.	ARB-01 B	CAD FILE REF	GIS only

Tree Retention, Removal & Replacement Plan
Buchan Caves Reserve
North Arm Drainage Redevelopment Plan

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