

CIVICA



29 September 2022

Ruma McCracken
Development Manager
Penrith City Council
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Penrith NSW 2751

Arboricultural Impact Assessment (AIA) Report regarding seven hundred and twenty-six (726) trees located within the vicinity of the proposed Emu Plains Industrial Development at 158-164 Old Bathurst Road, Emu Plains NSW

Dear Ruma,

We are pleased to provide the following Arboricultural Impact Assessment Report for seven hundred and twenty-six (726) trees within the grounds of Emu Plains Industrial Development.

Complete use of this report is authorised under the conditions limiting its use as stated in Appendix A Item 7 of "*Arboricultural Reporting Assumptions and Limiting Conditions*".

Should you have any queries relating to this report, its recommendations, or the options considered please do not hesitate to contact us on 1300 272 671.

Regards,



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1 Executive Summary

- 1.1.1 The following is an Arboricultural Impact Assessment (Report) regarding seven hundred twenty-six (726) trees located within the grounds of Emu Plains Industrial Development. The subject site was identified by Penrith City Council (the Client) as possessing trees that may be impacted upon by a proposed redevelopment of the site into subdivided industrial lots within defined street locations.
- 1.1.2 In part, the project scope was to nominate subject trees that can be retained, or require removal to facilitate the initial subdivision (road upgrade and initial landscaping works), as well as to identify and reduce potential conflicts between trees considered viable for retention and the proposed works. Accurate information on the area required for tree retention and methods/techniques suitable for tree protection during construction have been provided.
- 1.1.3 The majority of tree removals were due to the initial leveling works required across the site and/or the proposed civil infrastructure (roads/kerbs etc). Although a large number of trees would require removal to facilitate this development, the extensive design and planning work has successfully restricted this number to as low as possible while still creating a usable development platform. For further details on the nature of development impacts on a specific tree level refer to the attached tree assessment data sheet (Appendix E).
- 1.1.4 Tree retention values have been determined based upon the STARS© Tree Retention Value Matrix (IACA, 2010), with the trees being prescribed one of the following four (4) categories, High, Medium, Low and Remove categories. Refer to Appendix C for further detail. Generally, relevant consent authorities will consider:
 - **High** retention value trees are considered important for retention and should be retained and protected. Design modification or re-location of buildings should be considered to accommodate the setbacks as prescribed by the Australian Standards AS 4970–2009: *Protection of Trees on Development Sites*. Tree sensitive construction measures must be implemented (e.g. pier and beam, etc) if works are to proceed within the Tree Protection Zone (TPZ).
 - **Medium** retention value trees may be retained and protected. These are considered less critical; however, their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other proportional alternatives have been considered and exhausted.
 - **Low** retention value trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.
 - **Remove** retention value trees are considered hazardous, in irreversible decline, or weeds and should be removed irrespective of development.

1.1.5 Trees impacted by the proposed development:

Category	Description	Total	Removal		Retain	
			Located within development footprint	In context of proposed development	With specific protection	With generic protection
High	Priority for Retention	80	11, 14, 15, 21, 22, 23, 27, 236, 241, 242, 251, 252, 257, 268, 308, 415, 418, 475, 503, 506, 507, 510, 511, 512, 513, 514, 578, 674, 699, 701, 703, 704		45, 130, 131, 132, 133, 139, 142, 143, 144, 186, 187, 309, 547, 567, 569	46, 70, 73, 74, 75, 76, 77, 100, 101, 114, 123, 124, 125, 126, 127, 137, 195, 221, 228, 233, 234, 238, 431, 433, 554, 557, 559, 560, 562, 563, 564, 566, 568
Medium	Consider for Retention	332	1, 3, 9, 10, 12, 13, 16, 24, 26, 29, 34, 39, 40, 57, 58, 59, 60, 61, 62, 63, 64, 237, 243, 244, 245, 246, 248, 253, 256, 267, 271, 274, 277, 279, 280, 283, 284, 285, 286, 288, 289, 290, 291, 292, 294, 295, 296, 298, 299, 301, 302, 303, 304, 305, 310, 313, 315, 330, 334, 337, 340, 350, 352, 353, 354, 357, 358, 362, 363, 364, 365, 366, 367, 368, 369, 371, 372, 373, 374, 376, 377, 379, 380, 381, 382, 385, 387, 388, 389, 390, 391, 393, 394, 395, 396, 397, 398, 400, 402, 403, 404, 405, 406, 407, 408, 409, 411, 417, 427, 469, 472, 473, 476, 477, 478, 479, 480, 481, 482, 485, 486, 504, 505, 508, 515, 519, 571, 572, 573, 577, 583, 584, 585, 586, 587, 590, 593, 594, 595, 596, 623, 624, 625, 626, 627, 628, 632, 672, 676, 697, 698, 700, 702		109, 147, 149, 155, 156, 162, 164, 168, 169, 170, 171, 172, 174, 175, 176, 177, 179, 188, 200, 214, 215, 318, 328, 428, 429, 430, 468, 470, 561	51, 54, 56, 66, 67, 68, 78, 79, 80, 83, 86, 88, 89, 90, 91, 92, 95, 96, 97, 98, 103, 107, 111, 113, 115, 121, 128, 129, 134, 136, 138, 140, 141, 150, 153, 154, 158, 159, 160, 163, 165, 166, 167, 173, 178, 180, 185, 189, 190, 191, 192, 194, 197, 198, 201, 203, 204, 205, 206, 207, 208, 209, 211, 212, 213, 217, 218, 222, 223, 224, 225, 226, 229, 232, 240, 259, 261, 262, 263, 264, 311, 312, 316, 321, 322, 323, 324, 326, 335, 338, 339, 342, 343, 344, 345, 347, 348, 421, 422, 423, 424, 425, 426, 432, 434, 435, 436, 437, 438, 439, 440, 441, 443, 444, 445, 446, 447, 448, 449, 450, 452, 455, 456, 457, 458, 459, 461, 462, 464, 465, 467, 490, 491, 496, 497, 498, 500, 502, 525, 546, 548, 550, 552, 553, 555, 556, 558, 565, 682, 714
Low	Consider for Removal	261	2, 4, 5, 7, 8, 17, 18, 20, 25, 28, 30, 31, 32, 33, 35, 36, 37, 38, 41, 42, 43, 44, 239, 247, 249, 250, 254, 255, 258, 266, 269, 270, 272, 273, 275, 276, 278, 281, 282, 287, 293, 297, 300, 314, 325, 356, 359, 360, 361, 370, 375, 378, 383, 384, 386, 392, 399, 401, 410, 412, 413, 414, 416, 471, 474, 483, 484, 509, 516, 517, 518, 520, 523, 524, 535, 538, 574, 576, 579, 580, 582, 589, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 629, 630, 631, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 662, 663, 664, 665, 666, 667, 668, 669, 670, 673, 675, 677, 678, 679, 690, 691, 692, 693, 694, 695, 696, 705, 707, 708, 722, 723, 724	52, 93, 341, 349, 466, 488, 495, 522, 531, 726		47, 50, 53, 55, 65, 69, 71, 72, 82, 84, 85, 87, 94, 99, 110, 116, 117, 119, 120, 135, 145, 146, 148, 151, 152, 157, 161, 181, 182, 193, 196, 199, 202, 216, 227, 230, 306, 307, 317, 319, 320, 327, 331, 332, 333, 346, 351, 420, 442, 453, 460, 487, 489, 492, 493, 494, 499, 501, 521, 526, 527, 528, 530, 532, 533, 534, 536, 537, 539, 540, 541, 542, 543, 544, 545, 549, 570, 680, 681, 683, 684, 685, 686, 687, 688, 689, 710, 711, 713, 715, 716, 717, 718, 719, 720, 725
Remove	Priority for Removal	53		6, 19, 48, 49, 81, 102, 104, 105, 106, 108, 112, 118, 122, 183, 184, 210, 219, 220, 231, 235, 260, 265, 329, 336, 355, 419, 463, 529, 551, 575, 581, 588, 591, 592, 607, 608, 622, 661, 671, 706, 709, 721		451, 454, 712

2 Introduction

- 2.1.1 ArborSafe Australia Pty Ltd was engaged by Ruma McCracken on behalf of the Client to complete an Arboricultural Impact Assessment Report on seven hundred twenty-six (726) trees located within or adjacent to the Emu Plains Industrial Development at 158-164 Old Bathurst Road, Emu Plains.
- 2.1.2 The site consisted of a former concrete pipe manufacturing and storage facility. This report has been requested as part of a Development Application (DA) that involves clearance of the existing site followed by subsequent subdivision works (including upgraded access roads and landscaping).
- 2.1.3 The report was intended to provide information on site trees and how they may be impacted upon by the proposed development. Report findings and recommendations provided are based upon guidance provided within Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*.
- 2.1.4 Observations and recommendations provided within this report are based upon information provided by the Client and an arborist site visit.

3 Scope

- 3.1.1 Carry out a visual examination of the nominated trees located within the vicinity of the proposed redevelopment.
- 3.1.2 Provide an objective appraisal of the subject trees in relation to their species, estimated age, health, structural condition, useful life expectancy (ULE) and viability within the landscape.
- 3.1.3 Based on the findings of this investigation, provide independent recommendations on the retention value of the trees.
- 3.1.4 Nominate subject trees that can be retained or require removal to facilitate the development.
- 3.1.5 Identify and reduce potential conflicts between subject trees and site development by providing accurate information on the area required for tree retention and methods/techniques suitable for tree protection during construction.
- 3.1.6 Provide information on restricted activities within the area nominated for tree protection, as well as suitable construction methods to be adopted during demolition and/or construction.

4 Methodology

4.1 Data Collection

- 4.1.1 Jamie Oates and Marc Fisher of ArborSafe Australia Pty Ltd carried out a site inspection of the subject trees between 8 and 16 December 2021.
- 4.1.2 Trees that are the subject of this report (Figure 3) were identified during discussions with the Client, reviewing relevant supplied development documentation and reviewing the description of protected and exempt vegetation as identified within the Penrith City Council – *Tree and Vegetation Removal – Protected and Exempt Vegetation Fact Sheet* (Penrith City Council, n.d.).
- 4.1.3 The subject site was deemed to be mapped IN1 (*General Industrial*) as per the Penrith Local Environment Plan 2010 (NSW Government Legislation, 2021).
- 4.1.4 Pursuant with Penrith City Council tree management policy, as pertains to business and industrial areas, any tree or other vegetation having a height of 3m or more or a trunk diameter exceeding 100mm diameter at breast height is classed as prescribed (protected) vegetation. Small trees/shrubs within the site have been omitted from the report based on their species, current size and/or potential future size and contribution to local amenity.
- 4.1.5 The subject trees were inspected from the ground using the initial component of Visual Tree Assessment (VTA) (Matthek, 1994). No foliage or soil samples were taken and no aerial, underground or internal investigations were undertaken.
- 4.1.6 Tree height and crown width were estimated and have been provided to the nearest whole metre. Trunk diameter at breast height (DBH) and trunk diameter at the root crown (DRB) were measured with a diameter tape and provided to the nearest centimetre.
- 4.1.7 A review of CAD based drawings/files was used to understand areas of proposed protection zone encroachment.
- 4.1.8 Environmental and Heritage information was sourced from SEED (NSW Government, n.d.). The source of all information has been referenced accordingly.
- 4.1.9 Data collected on site was analysed by Nick Arnold, collated into report format, and relevant recommendations were formulated.
- 4.1.10 Tree protection zones (TPZ) and structural root zones (SRZ) were calculated in accordance with the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites* (refer to Section 7.6).
- 4.1.11 Retention values have been determined based upon the IACA Significance of a Tree, Assessment Rating System (STARS®) which applies a scale of High, Medium, Low (significance) to landscape trees (refer to Appendix C).
- 4.1.12 All photographs were taken at the time of site inspection(s) and have not been altered for brightness or contrast, nor have they been cropped.
- 4.1.13 Plans of the existing site and of the proposed development were provided to ArborSafe in stages from January to April 2022.
- 4.1.14 No proposed underground service locations have been reviewed in the preparation of this report.

5 Observations

5.1 Location

- 5.1.1 The site was located within the grounds of Emu Plains Industrial Development (Figure 1), which is a large scale, open air, industrial area mainly associated with manufacturing concrete products. The site is relatively level with some wetlands/retention ponds situated in the southwestern corner and a ring of perimeter trees.
- 5.1.2 The site was located within the Penrith City Council Local Government Area (LGA).
- 5.1.3 Site soils were likely to be altered from their natural state given the site's urban/industrial location and former land use.



Figure 1. Whole site image (location). Red lines delineate the site and area containing the subject trees potentially impacted by the proposed development. (Six Maps, December 2021).

5.3 Tree Retention Values

5.3.1 Retention values/landscape significance was determined based upon the IACA Significance of a Tree, Assessment Rating System (STARS®) which applies a scale of *High*, *Medium*, *Low* (significance) to landscape trees. A breakdown of attributes required for each category can be obtained from Appendix C – STARS® Tree Retention Value Matrix.

Category	Tree numbers
High	11, 14, 15, 21, 22, 23, 27, 45, 46, 70, 73, 74, 75, 76, 77, 100, 101, 114, 123, 124, 125, 126, 127, 130, 131, 132, 133, 137, 139, 142, 143, 144, 186, 187, 195, 221, 228, 233, 234, 236, 238, 241, 242, 251, 252, 257, 268, 308, 309, 415, 418, 431, 433, 475, 503, 506, 507, 510, 511, 512, 513, 514, 547, 554, 557, 559, 560, 562, 563, 564, 566, 567, 568, 569, 578, 674, 699, 701, 703, 704
Medium	1, 3, 9, 10, 12, 13, 16, 24, 26, 29, 34, 39, 40, 51, 54, 56, 57, 58, 59, 60, 61, 62, 63, 64, 66, 67, 68, 78, 79, 80, 83, 86, 88, 89, 90, 91, 92, 95, 96, 97, 98, 103, 107, 109, 111, 113, 115, 121, 128, 129, 134, 136, 138, 140, 141, 147, 149, 150, 153, 154, 155, 156, 158, 159, 160, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 185, 188, 189, 190, 191, 192, 194, 197, 198, 200, 201, 203, 204, 205, 206, 207, 208, 209, 211, 212, 213, 214, 215, 217, 218, 222, 223, 224, 225, 226, 229, 232, 237, 240, 243, 244, 245, 246, 248, 253, 256, 259, 261, 262, 263, 264, 267, 271, 274, 277, 279, 280, 283, 284, 285, 286, 288, 289, 290, 291, 292, 294, 295, 296, 298, 299, 301, 302, 303, 304, 305, 310, 311, 312, 313, 315, 316, 318, 321, 322, 323, 324, 326, 328, 330, 334, 335, 337, 338, 339, 340, 342, 343, 344, 345, 347, 348, 350, 352, 353, 354, 357, 358, 362, 363, 364, 365, 366, 367, 368, 369, 371, 372, 373, 374, 376, 377, 379, 380, 381, 382, 385, 387, 388, 389, 390, 391, 393, 394, 395, 396, 397, 398, 400, 402, 403, 404, 405, 406, 407, 408, 409, 411, 417, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 432, 434, 435, 436, 437, 438, 439, 440, 441, 443, 444, 445, 446, 447, 448, 449, 450, 452, 455, 456, 457, 458, 459, 461, 462, 464, 465, 467, 468, 469, 470, 472, 473, 476, 477, 478, 479, 480, 481, 482, 485, 486, 490, 491, 496, 497, 498, 500, 502, 504, 505, 508, 515, 519, 525, 546, 548, 550, 552, 553, 555, 556, 558, 561, 565, 571, 572, 573, 577, 583, 584, 585, 586, 587, 590, 593, 594, 595, 596, 623, 624, 625, 626, 627, 628, 632, 672, 676, 682, 697, 698, 700, 702, 714
Low	2, 4, 5, 7, 8, 17, 18, 20, 25, 28, 30, 31, 32, 33, 35, 36, 37, 38, 41, 42, 43, 44, 47, 50, 53, 55, 65, 69, 71, 72, 82, 84, 85, 87, 94, 99, 110, 116, 117, 119, 120, 135, 145, 146, 148, 151, 152, 157, 161, 181, 182, 193, 196, 199, 202, 216, 227, 230, 239, 247, 249, 250, 254, 255, 258, 266, 269, 270, 272, 273, 275, 276, 278, 281, 282, 287, 293, 297, 300, 306, 307, 314, 317, 319, 320, 325, 327, 331, 332, 333, 346, 351, 356, 359, 360, 361, 370, 375, 378, 383, 384, 386, 392, 399, 401, 410, 412, 413, 414, 416, 420, 442, 451, 453, 454, 460, 471, 474, 483, 484, 487, 489, 492, 493, 494, 499, 501, 509, 516, 517, 518, 520, 521, 523, 524, 526, 527, 528, 530, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 549, 570, 574, 576, 579, 580, 582, 589, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 629, 630, 631, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 662, 663, 664, 665, 666, 667, 668, 669, 670, 673, 675, 677, 678, 679, 680, 681, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 705, 707, 708, 710, 711, 713, 715, 716, 717, 718, 719, 720, 722, 723, 724, 725
Remove	6, 19, 48, 49, 52, 81, 93, 102, 104, 105, 106, 108, 112, 118, 122, 183, 184, 210, 219, 220, 231, 235, 260, 265, 329, 336, 341, 349, 355, 419, 463, 466, 488, 495, 522, 529, 531, 551, 575, 581, 588, 591, 592, 607, 608, 622, 661, 671, 706, 709, 712, 721, 726

5.4 Proposed Development

5.4.1 A review of the proposed design has been undertaken in the context of tree retention and removal across the site. The proposal includes the demolition of existing structures, with a subsequent subdivision of the property to include associated access/roadways and landscaping (verge creation). The impacts of future individual commercial unit construction have not been assessed as part of this report.



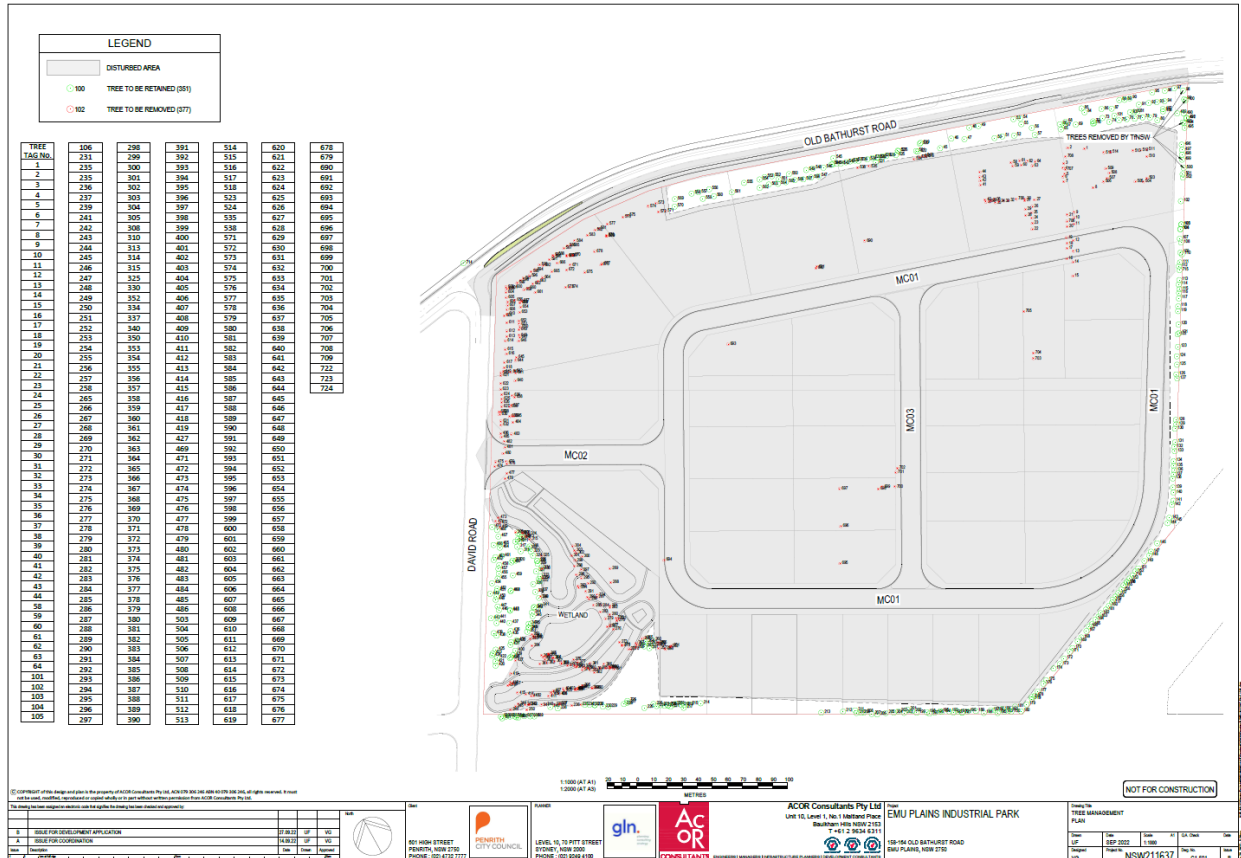


Figure 5. Excerpt of Tree Management Plan (Dwg, No. C1.501, Issue B). (ACOR Consultants, 27 September 2022).

5.5 Heritage / Environment Status

5.5.1 Heritage Status

5.5.2 The proposed development site had no trees identified as being of national, state or local heritage significance. (NSW Government, n.d.).

5.6 Botanical and Environmental Status

5.6.1 The majority of site trees showed characteristics consistent with landscape plantings as opposed to remnant growth.

5.6.2 Twenty-seven (27) of the trees were found to be dead, with the vast majority being semi-mature in age with minimal obvious habitat value (hollows/cavities). These trees were prioritised for removal in the context of future site use.

5.6.3 Whilst SEED mapping returned no results for CEECs (Critically Endangered Ecological Communities), the subject site did fall within the Blaxland ARK (Area of Regional Koala Significance).

5.6.4 Several Bionet species sightings were also referenced for the site, none of which were listed as threatened (NSW Government, n.d.).

6 Discussion

6.1.1 **Major encroachment.** As per the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*, a major encroachment into the TPZ of any tree is considered to occur when it is beyond 10% of the total TPZ area. Trees with major encroachment may require removal or, in certain instances, be retained with specific protection requirements throughout the construction stage.

6.1.3 No encroachment. Trees with no encroachment may be retained with generic or no protection requirements throughout the construction stage.

- Requiring removal due to a level of encroachment into their TPZ that would likely result in a detrimental impact upon their future health and/or stability
- Retainable and requiring specific protection requirements throughout construction (i.e. generic requirements plus arborist supervision and careful construction methods within their TPZ)
- Retainable and requiring generic tree protection measures only (i.e. protective fencing and restriction of activities within the TPZ).

6.2.1 Trees affected by direct conflict with the proposed roading or wetland footprint would require removal under the current design. To retain any of these trees a redesign of the layout would be required. Refer to Appendix E for full details of trees.

- 6.2.2 The other main development impact which affects trees, but not necessarily to the point of requiring immediate removal, is through significant root damage due to major TPZ encroachment. These can largely be placed into three (3) categories – soil compaction, level changes or direct root severance.
- 6.2.3 Negative tree impacts can manifest as either a reduction in health and/or vigour due to root loss (absorption and/or transport roots) resulting in a reduction in water and nutrient absorption capability or on tree stability if larger roots are impacted. Ultimately, the outcome for the trees depends on a number of variable factors including species, age, current health, TPZ encroachment percentage, soil type, topography, previous site use and the proposed design and construction methodology.
- 6.2.4 Compacted soils, especially artificially compacted soils such as those found under building platforms or driveways, have a higher bulk density down to a deeper level of subsoil. Bulk density is the term used for describing the weight of soil per unit volume. The broad engineering thinking is that the higher the density the more stable the building surface due to less soil movement in expansion, contraction, or compression. A higher bulk density is produced by compacting the soil to reduce available pore space between the soil particles.
- 6.2.5 The effect of compacted soils on plants is somewhat influenced by the soil type but generally a reduction in available pore space reduces the available area for oxygen and water within the soil. A reduction in available soil water and oxygen inhibits root activity within the soil, as they are essential for root elongation and growth, and the lack of these properties is considered a major limiting factor (Urban, 2008).
- 6.2.6 A similar reduction in root activity, due to a reduction in pore space, can occur following significant soil level changes across the TPZ. The impacts of raised soil level changes do depend on the added soil composition (sand vs clay-based vs silt material), installation methodology (compacted vs uncompacted) and depth deposited. The impacts on trees, due to a raised level, generally occur over a longer time frame as roots are still present and attached to the tree but may now be in a situation unfavourable to future root activity. Negative impacts can be mitigated by limiting the depth of the raised soil level and/or by ensuring the added soil is uncompacted and/or of a coarse sandy grade material which allows ease of water and oxygen penetration down to the original soil level. Over time additional soil can be beneficial as it increases usable soil volume for roots to utilise (especially in areas of high-water table) or by adding better quality material to the existing soil.
- 6.2.7 Root severance, such as during excavation to enable a lowering in soil levels, has a definite negative impact on trees as it immediately causes a reduction in root function and capability where it is harder for the tree to adjust. The impact on trees due to the severance of larger roots, especially within the SRZ, is compounded as they not only function as highways and storage areas for nutrients and water but in anchoring the tree in the ground.
- 6.2.8 The majority of trees proposed for removal from the interior of the site, and some around the perimeter, as part of the proposed development (apart those with direct footprint conflict or the dead, dying, dangerous and/or weed trees recommended for removal in the context of the development) will be negatively impacted by the proposed level changes, in places up to 2m, occurring across the site (refer Figure 3 and 4).
- 6.2.9 The presumption of allowable encroachment and minimal long-term health or structural impacts to trees relies upon a combination of the following being used - root sensitive construction methods being adhered to within the TPZ, minimal excavation within the TPZ to limit root severance (i.e. construction placed outside the TPZ where possible), fill rather than excavation utilised to affect level changes where possible (i.e. to minimise root severance and allow the trees root system time to adjust), no construction occurring within the SRZ, compensatory area being available around the unimpacted aspects of the trees and the enhancement of the existing TPZ area (i.e. mulched, soil conditioning and irrigation when required).

6.3 Selected Site Images



Figure 6. Image of the eastern boundary line. (M. Fisher, December 2021).



Figure 7. Image of the northern boundary line. (M. Fisher, December 2021).



Figure 8. Row of *Populus nigra* 'Italica' (Poplar) along northern boundary line. (M. Fisher, December 2021).



Figure 9. Group of She-oaks (*Casuarina* sp.) - western boundary line. (M. Fisher, December 2021).



Figure 10. Swamp/pond area in south western corner of site. (M. Fisher, December 2021).



Figure 11. Image of the south eastern boundary line. (M. Fisher, December 2021).



Figure 12. Middle of site looking east. (M. Fisher, December 2021).



Figure 13. Middle of site looking west. (M. Fisher, December 2021).



Figure 14. Tree 21. (M. Fisher, December 2021).



Figure 15. Tree 27. (M. Fisher, December 2021).



Figure 16. Tree 124. (M. Fisher, December 2021).



Figure 17. Tree 547. (M. Fisher, December 2021).

7 Tree Protection and Management Recommendations

7.1 Tree Removal

7.1.1 Four hundred (400) trees have been recommended for removal based on the supplied design proposal.

7.1.2 This includes three hundred and forty-eight (348) tags (incorporating six hundred and thirty-five (635) trees) with major encroachment or located directly within the development footprint.

7.1.3 A further fifty-two (52) tags (incorporating eighty-one (81) trees) are recommended for removal in the context of the proposed development due to their being considered hazardous, in irreversible decline, or weed species.

Recommendation	High retention value		Medium retention value		Low Retention value		Removal retention value	
	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers
Remove for development	32	11, 14, 15, 21, 22, 23, 27, 236, 241, 242, 251, 252, 257, 268, 308, 415, 418, 475, 503, 506, 507, 510, 511, 512, 513, 514, 578, 674, 699, 701, 703, 704	153	1, 3, 9, 10, 12, 13, 16, 24, 26, 29, 34, 39, 40, 57, 58, 59, 60, 61, 62, 63, 64, 237, 243, 244, 245, 246, 248, 253, 256, 267, 271, 274, 277, 279, 280, 283, 284, 285, 286, 288, 289, 290, 291, 292, 294, 295, 296, 298, 299, 301, 302, 303, 304, 305, 310, 313, 315, 330, 334, 337, 340, 350, 352, 353, 354, 357, 358, 362, 363, 364, 365, 366, 367, 368, 369, 371, 372, 373, 374, 376, 377, 379, 380, 381, 382, 385, 387, 388, 389, 390, 391, 393, 394, 395, 396, 397, 398, 400, 402, 403, 404, 405, 406, 407, 408, 409, 411, 417, 427, 469, 472, 473, 476, 477, 478, 479, 480, 481, 482, 485, 486, 504, 505, 508, 515, 519, 571, 572, 573, 577, 583, 584, 585, 586, 587, 590, 593, 594, 595, 596, 623, 624, 625, 626, 627, 628, 632, 672, 676, 697, 698, 700, 702	163	2, 4, 5, 7, 8, 17, 18, 20, 25, 28, 30, 31, 32, 33, 35, 36, 37, 38, 41, 42, 43, 44, 239, 247, 249, 250, 254, 255, 258, 266, 269, 270, 272, 273, 275, 276, 278, 281, 282, 287, 293, 297, 300, 314, 325, 356, 359, 360, 361, 370, 375, 378, 383, 384, 386, 392, 399, 401, 410, 412, 413, 414, 416, 471, 474, 483, 484, 509, 516, 517, 518, 520, 523, 524, 535, 538, 574, 576, 579, 580, 582, 589, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 629, 630, 631, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 662, 663, 664, 665, 666, 667, 668, 669, 670, 673, 675, 677, 678, 679, 690, 691, 692, 693, 694, 695, 696, 705, 707, 708, 722, 723, 724	0	
Remove in the context of development	0		0		0		52	6, 19, 48, 49, 52, 81, 93, 102, 104, 105, 106, 108, 112, 118, 122, 183, 184, 210, 219, 220, 231, 235, 260, 265, 329, 336, 341, 349, 355, 419, 463, 466, 488, 495, 522, 529, 531, 551, 575, 581, 588, 591, 592, 607, 608, 622, 661, 671, 706, 709, 721, 726

7.1.4 Trees recommended for removal were typically located within the proposed roading corridor and/or showed proposed SRZ encroachment associated with demolition works.

7.2 Tree Retention

7.2.1 Three hundred and twenty-six (326) trees were recommended for retention and require specific and/or generic protection measures during construction to ensure that they remain viable following the completion of works.

Recommendation	High retention value		Medium retention value		Low Retention value		Removal retention value	
	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers
Retain with specific protection requirements	15	45, 130, 131, 132, 133, 139, 142, 143, 144, 186, 187, 309, 547, 567, 569	29	109, 147, 149, 155, 156, 162, 164, 168, 169, 170, 171, 172, 174, 175, 176, 177, 179, 188, 200, 214, 215, 318, 328, 428, 429, 430, 468, 470, 561	0		0	
Retain with generic protection requirements	33	46, 70, 73, 74, 75, 76, 77, 100, 101, 114, 123, 124, 125, 126, 127, 137, 195, 221, 228, 233, 234, 238, 431, 433, 554, 557, 559, 560, 562, 563, 564, 566, 568	150	51, 54, 56, 66, 67, 68, 78, 79, 80, 83, 86, 88, 89, 90, 91, 92, 95, 96, 97, 98, 103, 107, 111, 113, 115, 121, 128, 129, 134, 136, 138, 140, 141, 150, 153, 154, 158, 159, 160, 163, 165, 166, 167, 173, 178, 180, 185, 189, 190, 191, 192, 194, 197, 198, 201, 203, 204, 205, 206, 207, 208, 209, 211, 212, 213, 217, 218, 222, 223, 224, 225, 226, 229, 232, 240, 259, 261, 262, 263, 264, 311, 312, 316, 321, 322, 323, 324, 326, 335, 338, 339, 342, 343, 344, 345, 347, 348, 421, 422, 423, 424, 425, 426, 432, 434, 435, 436, 437, 438, 439, 440, 441, 443, 444, 445, 446, 447, 448, 449, 450, 452, 455, 456, 457, 458, 459, 461, 462, 464, 465, 467, 490, 491, 496, 497, 498, 500, 502, 525, 546, 548, 550, 552, 553, 555, 556, 558, 565, 682, 714	96	47, 50, 53, 55, 65, 69, 71, 72, 82, 84, 85, 87, 94, 99, 110, 116, 117, 119, 120, 135, 145, 146, 148, 151, 152, 157, 161, 181, 182, 193, 196, 199, 202, 216, 227, 230, 306, 307, 317, 319, 320, 327, 331, 332, 333, 346, 351, 420, 442, 453, 460, 487, 489, 492, 493, 494, 499, 501, 521, 526, 527, 528, 530, 532, 533, 534, 536, 537, 539, 540, 541, 542, 543, 544, 545, 549, 570, 680, 681, 683, 684, 685, 686, 687, 688, 689, 710, 711, 713, 715, 716, 717, 718, 719, 720, 725	3	451, 454, 712

7.3 Specific Protection Measures

- 7.3.1 Forty-four (44) trees have proposed works within their respective TPZ's of greater than 10%, largely relating to level changes across the site however could also include roading upgrade works, verge creation/landscaping and demolition of existing structures. These trees require a combination of specific and generic controls to ensure their viability post project completion.
- 7.3.2 Excavation(s) within the TPZs of trees to be retained is to be carried out under arborist supervision (or with the express permission of the project arborist). No excavation should occur within the SRZs of these trees. Any proposed excavation should commence at the outer extent of the TPZ and move inwards to minimise root damage to these trees.
- 7.3.3 Works should be undertaken using techniques that are sensitive to tree roots to avoid unnecessary damage. Such techniques include:
- Excavation using a high-pressure water jet and vacuum truck
 - Excavation using an Air Spade with vacuum truck
 - Excavation with smaller machines using an additional dedicated spotter,
 - Excavation by hand.
- 7.3.4 Roots discovered are to be treated with care and minor roots (<40mm diameter) pruned with a sharp, sterile handsaw or secateurs. All significant roots (>40mm diameter) are to be recorded, photographed and reported to the project arborist.
- 7.3.5 Where additional (from the date of assessment) hard surfacing is proposed within the TPZs of trees to be retained, it is to be installed above the existing grade and be of a permeable nature to allow the passage of air and moisture. If the surfacing is to be load bearing, then it is suggested that a geogrid/web or similar is incorporated to ensure the rooting area below does not become compacted.
- 7.3.6 Where High and Medium retention value trees are located adjacent to areas of proposed/existing hard stand/roadway, the removal of asphalt/seal should be undertaken in a root sensitive manner and to a minimum depth (only) required for reinstatement. Machine scraping/milling may be acceptable where a methodology can be provided to and approved by the project arborist.
- 7.3.7 Design should provide for permeable areas (e.g. mulched garden beds) within the TPZs of trees to be retained wherever practicable.
- 7.3.8 Landscape works associated with road verges/berms should employ root sensitive excavation techniques within the TPZ's of trees to be retained.

7.4 Addition of Fill (Soil)

- 7.4.1 Where practicable, site soil textural (field) analysis is recommended in order to help guide the composition of fill.
- 7.4.2 Unless otherwise specified, select fill should be composed of non-cohesive granular material which is free draining.
- 7.4.3 As a guide (and in the absence of onsite soil analysis) fill should consist of suitably sourced and clean (i.e. free of weeds/contaminants and providing a beneficial environment for the promotion of plant growth) material consistent with a sandy loam. Indicative organic matter content should be no higher than 2–5% with a clay content of between 10–20% by mass.
- 7.4.4 Backfill is to be consolidated/compacted as per construction standards/specifications.

7.5 Demolition

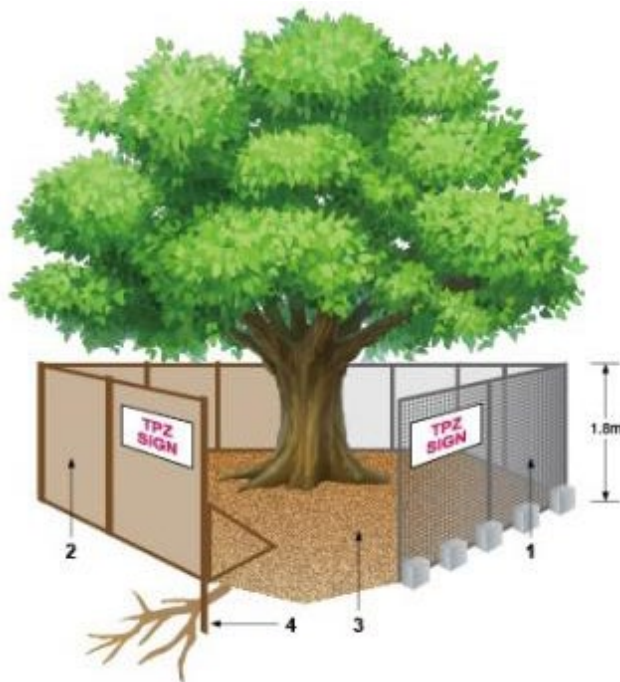
- 7.5.1 Machine demolition should be undertaken from existing areas of hard stand, preferably outside of the TPZs for trees to be retained. Where areas of hard stand do not exist and works are proposed within the TPZs of trees to be retained, additional ground/trunk protection may be recommended by the project arborist.
- 7.5.2 Any tree pruning required in order to facilitate demolition works should be undertaken as per the specifications in Section 7.13 (Pruning/Tree Removal) of this report.

7.6 Generic Protection and Reporting Measures

- 7.6.1 All retained trees require generic protection measure. Refer to Section 7.6–7.9 for further detail.
- 7.6.2 All trees to be retained require protection during the construction stage. Tree protection measures include a range of:
- Activities restricted within the TPZ
 - Protective fencing
 - Trunk and ground protection
 - Tree protection signage
 - Involvement from the project arborist
 - Project milestones
 - Compliance reporting
- 7.6.3 Activities Prohibited within the TPZ
- Machine excavation including trenching (unless specifically authorised by the project arborist)
 - Storage
 - Preparation of chemicals, including cement products
 - Parking of vehicles and plant
 - Refuelling
 - Dumping of waste
 - Wash down and cleaning of equipment
 - Placement of fill
 - Lighting of fires
 - Soil level changes
 - Temporary or permanent installation of utilities and signs
 - Physical damage to the tree

7.7 Protective Fencing Specification

- 7.7.1 Protective fencing (Figure 18) is to be installed as far as practicable from the trunk of any retained trees. Fencing should be erected as per the image below before any machinery or materials are brought to site and before commencement of works (including demolition).
- 7.7.2 In some areas of the site (i.e. protection of trees on neighbouring properties) existing boundary fencing may be used as an alternative to protective fencing.
- 7.7.3 Once erected, protective fencing must not be removed or altered without approval from the project arborist. The TPZ fencing should be secured to restrict access.
- 7.7.4 TPZ fencing is to be a minimum of 1.8m high and mesh or wire between posts must be highly visible. Fence posts and supports should have a diameter greater than 20mm and should ideally be freestanding, otherwise be located clear of the roots. See image below.
- 7.7.5 Tree protection fencing must remain intact throughout all proposed construction works and must only be dismantled after their conclusion. The temporary dismantling of tree protection fencing must only be done with the authorisation of a consulting arborist and/or the responsible authority.
- 7.7.6 The subject trees themselves must also not to be used as a billboard to support advertising material. Affixing nails or screws into the trunks of trees to display signs of any type is not a recommended practice in the successful retention of trees.



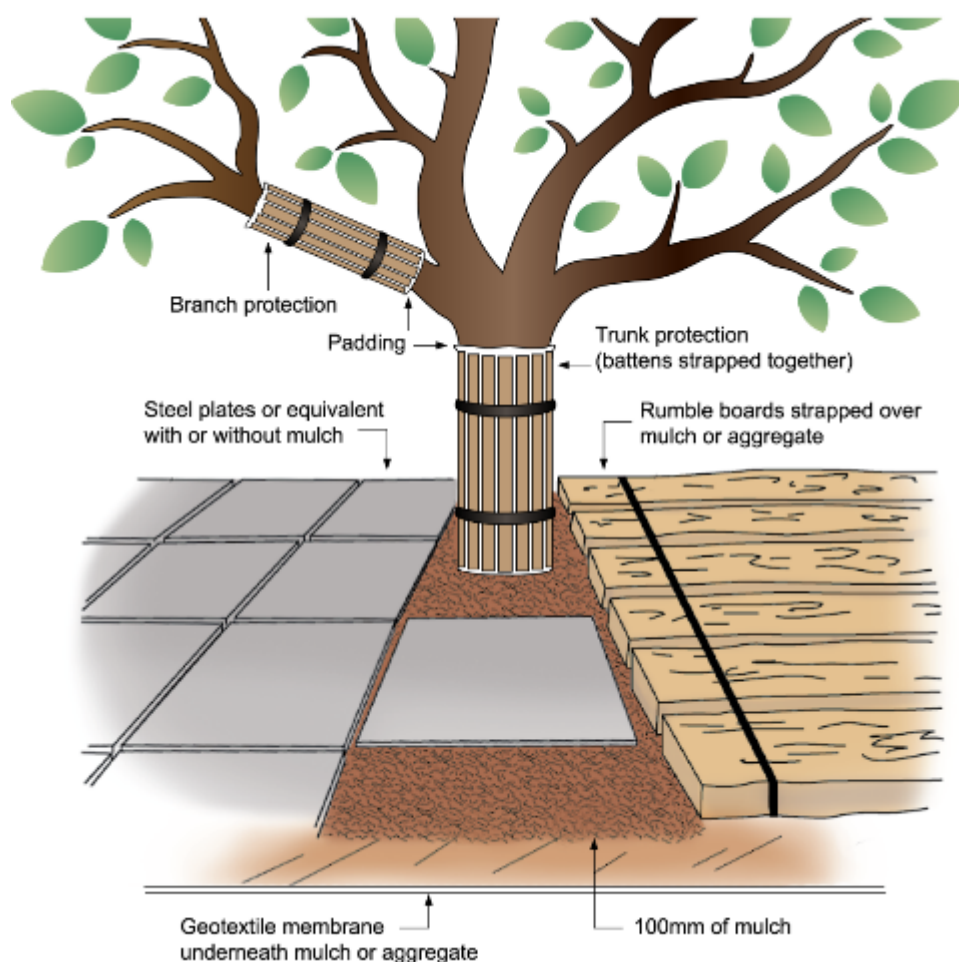
Legend:

1. Chain wire mesh panels with shade cloth attached (if required), held in place with concrete feet
2. Alternative plywood or wooden paling fence panels. This fencing material also prevents building materials or soil entering the TPZ
3. Mulch installation across surface of TPZ (at discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage materials of any kind are permitted within the TPZ
4. Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

Figure 18. Depicts standard fencing techniques. (AS 4970–2009).

7.8 Trunk and Ground Protection

- 7.8.1 Given that proposed works are often within the TPZs of retained trees, standard protective fencing may not always be a viable method of protection. In these areas trunk protection and ground protection should be installed prior to the commencement of works and remain in place until after construction works have been completed.
- 7.8.2 Where construction access into the TPZ of retained trees cannot be avoided, the root zone of each tree must be protected using either steel plates or rumble board strapped over mulch/aggregate until such a time as permanent above ground surfacing (cellular confinement system or similar) is to be installed.
- 7.8.3 Trunk and ground protection (Figure 19) should be undertaken in line with the Australian Standard AS 4790–2009: *Protection of Trees on Development Sites* as per the image below:



Notes:

1. For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
2. Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

Figure 19. Depicts trunk and ground protection techniques. (AS 4790–2009).

7.9 Tree Protection Signs

- 7.9.1 Signs identifying the TPZ (Figure 20) should be placed at 10m intervals around the edge of the TPZ and should be visible from within the development site.

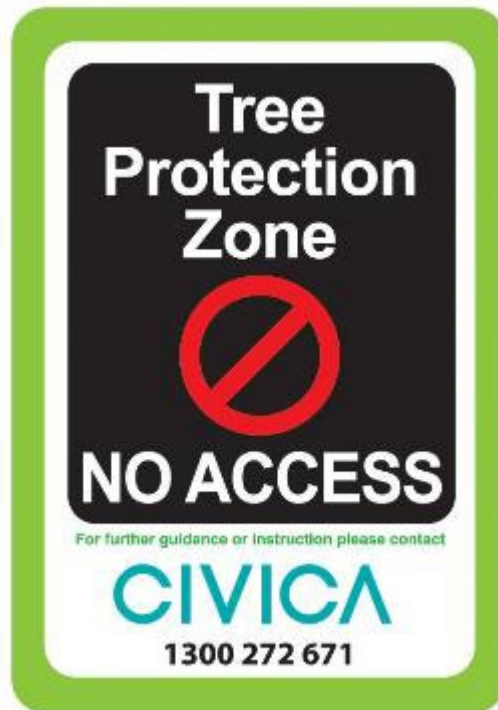


Figure 20. Depicts standard fencing techniques. (AS 4970–2009).

7.10 Project Arborist

- 7.10.1 An official “Project Arborist” must be commissioned to oversee the tree protection, any works within the TPZ’s and complete regular monitoring compliance certification.
- 7.10.2 The project arborist must have minimum five (5) years industry experience in the field of arboriculture, horticulture with relevant demonstrated experience in tree management on construction sites, and Diploma level qualifications in arboriculture – AQF Level 5.
- 7.10.3 Inspections are to be conducted by the project arborist at several key points during the construction in order to ensure that protection measures are being adhered to during construction stages and decline in tree health or additional remediation measures can be identified.

7.11 Project Milestones

7.11.1 The following visits and milestones were recommended as to when on-site tree inspection by the project arborist is required:

Item	Purpose of Visit	Timing of Visit(s)	Prerequisites
1	Pre-start induction	Following sign off from Item 1. Contractor to provide a minimum of five days advance notice for this visit.	Prior to commencement of works. All parties involved in the project to attend.
2	Supervision of works in TPZ's including all regrading and excavations	Whenever there is work planned to be performed within the TPZ's. Contractor to provide a minimum of five days advance notice for such visits.	
3	Regular site inspections	Minimum frequency monthly for the duration of the project.	The checklist must be completed by the Project Arborist at each site inspection and signed by both parties.
4	Final sign off	Following completion of works.	Practical completion of works and prior to tree protection removal.

7.12 Compliance Reporting

- 7.12.1 Following each inspection, the project arborist shall prepare a report detailing the condition of the trees. These reports should certify whether or not the works have been completed in compliance with the consent relating to tree protection.
- 7.12.2 These reports should contain photographic evidence where required to demonstrate that the work has been carried out as specified.
- 7.12.3 Matters to be monitored and included in these reports should include tree condition, tree protection measures and impact of site works which may arise from changes to the approved plans.
- 7.12.4 The reports and Compliance Statements shall be submitted to the Project Manager (as well as the Clients' nominated representative) following each inspection.
- 7.12.5 The reports and any Non-Compliance Statements shall be submitted to the Project Manager (as well as the Clients' nominated representative) if tree protection conditions have been breached. Reports should contain clear remedial action specifications to minimise any adverse impact on any subject tree.

7.13 Pruning/Tree Removal

- 7.13.1 All pruning/tree removal is to be completed in accordance with the Australian Standard AS 4373–2007: *Pruning of Amenity Trees* (Standards Australia, 2007) and should be undertaken by suitably qualified arborists (minimum AQF 3 arborist).
- 7.13.2 Reduction pruning should focus on the removal of smaller diameter branches where feasible and remove no greater than 10% of the total crown. Branches no greater than 50mm diameter are to be removed unless specifically approved by the project arborist.

7.14 Offset Tree Planting

- 7.14.1 Offset planting should reflect the number of trees removed and the initial loss of amenity and biomass. New trees should be of long-term potential and sourced from a reputable supplier.
- 7.14.2 Replacement tree species must suit their location on the site in terms of their potential physical size and their tolerance(s) to the surrounding environmental conditions. To avoid unethical or unprofessional tree selection and/or their placement within the landscape, replacement tree species must be selected in consultation with a consulting arborist, who can also assist in implementing successful tree establishment techniques.
- 7.14.3 Replacement tree species should have the genetic potential to reach a mature size potential of those trees removed to facilitate the development. As a guide, potential height will be a minimum of 10m (or more) and produce a spreading canopy so as they may provide amenity value to the property and contribute to the tree canopy of the surrounding area in the future.
- 7.14.4 Proposed verge areas may serve as suitable areas for the planting of offset trees.
- 7.14.5 The site's landscape plan should document the number, species and location of proposed replacement plantings. Defect/aftercare periods (to include a watering schedule) should be included as part of these plans.

7.15 Additional Excavation/Trenching within TPZs

- 7.15.1 In the event additional excavation is required within the TPZs of retained trees identified within this report, or any other site trees, arborist involvement (in advance of works) will be required to ensure works are undertaken in accordance with the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*.

7.16 Plant Health Care

- 7.16.1 When managing a tree affected by development incursions within its TPZ, plant tonic and growth stimulant drenching may be recommended by the project arborist. Plant tonic and growth stimulant drenching is the process of adding diluted products directly to the root area of a tree to promote and assist trees to cope with loss of roots during the development process. They also assist trees to provide better resistance to sap sucking insects and fungal attack/disease and improve the establishment of beneficial microbial populations and nutrient uptake. See Appendix D – Plant Health Care and Mulching

7.17 Irrigation

- 7.17.1 Regular checks are required to ensure retained trees are receiving the correct amount of water. The majority of a tree's fine water absorbing roots are located in the top 10–30cm of soil. To undertake a basic soil moisture test, dig a small hole to a depth of 40cm at the dripline of the tree. If the soil is moist at this depth, water is not needed. Slow irrigation that provides an even coverage and targets the absorbing roots is the key to successful irrigation and encourages a deeper tree root system. Irrigation near the trunk is unnecessary as for most trees there are generally fewer water absorbing roots in this area. Irrigating the soil from half-way between the trunk and the dripline as well as beyond the dripline will provide water where it will most effectively be used. Preferably, water your trees during the cooler evening and early morning period when temperatures are lower, humidity is higher, and the air is calmer thereby reducing water evaporation from the soil surface. Irrigation in the middle of the day is not harmful to most trees however it is less efficient.

7.18 Mulching

- 7.18.1 Mulching regulates soil moisture and temperature levels, suppresses weeds, minimises soil compaction and reduces run off during periods of heavy rain. Acquiring wood chip mulch from programmed tree works (and by purchasing it from local tree contractors) would be a proactive way to improve the growing conditions around retained trees that ultimately will result in improved tree health and vitality.
- 7.18.2 Mulch should aim to cover an area at least as large as a tree's crown projection (and preferably larger) for it to be effective. It should also be laid at a uniform thickness of 75–100mm. Mulch should also be placed over damp to wet soil and never over dry soil. Application during the cooler months of the year is ideal. In areas where grass exists where you wish to mulch, spray the grass first with a non-selective herbicide and allow it to wilt and die before placement. This practice will negate grass growing up through the mulch over time.
- 7.18.3 Mulching within the canopy areas of trees not only improves long term tree health but also acts to reduce tree risk by reducing targets that pass and/or congregate under their canopies. This in turn will minimise the likelihood of injury in the event of a branch failure.

8 References

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- NSW Government Legislation, 2021. *Penrith Local Environmental Plan 2010*. [Online] Available at: <https://legislation.nsw.gov.au/view/html/inforce/current/epi-2010-0540> [Accessed February 2022].
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- Standards Australia, 2007. *AS 4373–2007 Pruning of Amenity Trees*, GPO Box 476 Sydney NSW 2001: Standards Australia.
- Standards Australia, 2009. *AS4970–2009: Protection of Trees on Development Sites*, Sydney: Standards Australia.
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Plans of the existing site and of the proposed development were provided to ArborSafe between December 2021 and August 2022 and include:

- Preliminary Site Layout, Project No. NSW211637, Dwg. No. C1.401, Issue E, ACOR Consultants, October 2021
- Tree Retention Plan, Project No. NSW211637, Dwg. No. C3.401, Issue A, ACOR Consultants, February 2022
- Civil Engineering Services – Development Application (set), Project No. NSW211637, Issue A, ACOR Consultants, 5 April 2022

Appendix A. Arboricultural Reporting Assumptions and Limiting Conditions

1. Any legal description provided to the consultant is assumed to be correct. Any titles and ownership of any property are assumed to be good. No responsibility is assumed for matters legal in character.
2. It is assumed that any property/project is not in violation of any applicable codes, ordinances, statutes or other government regulations.
3. Care has been taken to obtain all information from reliable sources. All data has been verified in so far as possible, however, the consultant can neither guarantee nor be responsible for the accuracy of the information provided by others.
4. The consultant shall not 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 or alteration of any part of this report 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 person to whom it is addressed, without the prior written consent of the consultant.
7. Neither all nor any part of the contents of this report, nor any copy thereof, shall be used for any purpose by anyone but the person to whom it is addressed, without the written consent of the consultant. Nor shall it be conveyed by anyone, including the Client, to the public through advertising, public relations, news, sales or other media, without the written consent of the consultant.
8. This report and any values expressed herein represent the opinion of the consultant and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
9. 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 reports or surveys unless expressed otherwise.
10. Information contained in this report covers only those items that were examined and reflect the condition of those items at the time of inspection.
11. Inspection is limited to visual examination of accessible components without dissection, excavation or probing. There is no warranty or guarantee expressed or implied that the problems or deficiencies of the plants or property in question may not arise in the future.

Appendix B. Explanation of Tree Assessment Terms

Tree number: Refers to the individual identification number assigned within the ArborSafe software to each assessed tree on the site and the number which appears of the tree's tag.

Tree location: Refers to the easting and northing coordinates assigned to the location of the tree as obtained from the geo-referenced aerial image within the ArborSafe software.

Tree species: Provides the botanic name (genus, species, sub-species, variety and cultivar where applicable) in accordance with the International Code of Botanical Nomenclature (ICBN), and the accepted common name.

Trees in group: The number of trees encompassing a collective assessment of more than one tree. Typically grouped trees have similar attributes that can be encompassed within one data record.

Height: The estimated range in metres attributed to the tree from its base to the highest point of the canopy. Where required height will be estimated to the nearest metre.

Diameter at Breast Height (DBH): Refers to the tree's estimated trunk diameter measured 1.4m from ground level for a single trunked tree. These estimates increase in 50mm increments. Where required DBH will be measured to give an accurate measurement for single trunked trees, trees with multiple trunks, significant root buttressing, bifurcating close to ground level or trunk defects and will be measured as per the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*.

Tree Protection Zone (TPZ): A specified area above and below ground and at a given distance measured radially away from the centre of the tree's trunk and which is set aside for the protection of its roots and crown. It is the area required to provide for the viability and stability of a tree to be retained where it is potentially subject to damage by development. The radius of the TPZ is calculated by multiplying its DBH by 12. $TPZ\ radius = DBH \times 12$. (Note "Breast Height" is nominally measured as 1.4m from ground level). TPZ is a theoretical calculation and can be influenced by existing physical constraints such as buildings, drainage channels, retaining walls, etc. (Standards Australia, 2009).

Structural Root Zone (SRZ): The area close to the base of a tree required for the tree's anchorage and stability in the ground. The woody root growth and soil cohesion in this area are necessary to hold the tree upright. The SRZ is nominally circular with the trunk at its centre and is expressed by its radius in metres. $SRZ\ radius = (D \times 50)^{0.42 \times 0.64}$ (Standards Australia, 2009).

Canopy spread: The estimated range in metres attributed to the spread of the tree's canopy on its widest axis. Where required crown spread will be estimated to the nearest metre.

Origin: Refers to the origin of the species and its type.

Category	Description
Indigenous	Occurs naturally in the local area and is native to a given region or ecosystem.
State Native	Occurs naturally within State but is not indigenous.
Australian Native	Occurs naturally within Australia and its territories but is not a State native or indigenous.
Exotic Evergreen	Occurs naturally outside of Australia and its territories and typically retains its leaves throughout the year.
Exotic Deciduous	Occurs naturally outside of Australia and its territories and typically loses its leaves at least once a year.

Health: Refers to the health and vigour of the tree.

Category	Description
Excellent	Canopy full with even foliage density throughout, leaves are entire and are of an excellent size and colour for the species with no visible pathogen damage. Excellent growth indicators, e.g. seasonal extension growth. Exceptional specimen.
Good	Canopy full with minor variations in foliage density throughout, leaves are entire and are of good size and colour for the species with minimal or no visible pathogen damage. Good growth indicators, none or minimal deadwood.
Fair	Canopy with moderate variations in foliage density throughout, leaves not entire with reduced size and/or atypical in colour, moderate pathogen damage. Reduced growth indicators, visible amounts of deadwood, may contain epicormic growth.
Poor	Canopy density significantly reduced throughout, leaves are not entire, are significantly reduced in size and/or are discoloured, significant pathogen damage. Significant amounts of deadwood and/or epicormic growth, noticeable dieback of branch tips, possibly extensive.
Dead	No live plant material observed throughout the canopy, bark may be visibly delaminating from the trunk and/or branches.

Age: Refers to the life cycle of the tree.

Category	Description
Young	Newly planted small tree not fully established may be capable of being transplanted or easily replaced.
Juvenile	Tree is small in terms of its potential physical size and has not reached its full reproductive ability.
Semi-mature	Tree in active growth phase of life cycle and has not yet attained an expected maximum physical size for its species and/or its location.
Mature	Tree has reached an expected maximum physical size for the species and/or location and is showing a reduction in the rate of seasonal extension growth.
Senescent	Tree is approaching the end of its life cycle and is exhibiting a reduction in vigour often evidenced by natural deterioration in health and structure.

Structure: Refers to the structure of the tree from roots to crown.

Category	Description
Good	Sound branch attachments with no visible structural defects, e.g. included bark or acute angled unions. No visible wounds to the trunk and/or root plate. No fungal pathogens present.
Fair	Minor structural defects present, e.g. apical leaders sharing common union(s). Minor damage to structural roots. Small wounds present where decay could begin. No fungal pathogens present.
Poor	Moderate structural defects present, including bifurcations with included bark with union failure likely within 0–5 years. Wounding evident with cavities and/or decay present. Damage to structural roots.
Hazardous	Significant structural defects with failure imminent (3–6 months). Defects may include active splits and/or partial branch or root plate failures. Tree requires immediate arboricultural works to alleviate the associated risk.

Useful Life Expectancy (ULE): Useful life expectancy refers to an expected period of time the tree can be retained within the landscape before its amenity value declines to a point where it may detract from the appearance of the landscape and/or presents a greater risk and/or more hazards to people and/or property. ULE values consider tree species, current age, health, structure and location. ULE values are based on the tree at the time of assessment and do not consider future changes within the tree's location and environment which may influence the ULE value.

Category
0 Years
<5 Years
5–10 Years
10–15 Years
15–25 Years
25–50 Years
>50 Years

Defects: Visual observations made of the presenting defects of the tree and its growing environment that are, or have the capacity to impact upon, the health, structural condition and/or the useful life expectancy of the tree. Defects may include adverse physical traits or conditions, signs of structural weaknesses, plant disease and/or pest damage, tree impacts to assets or soil related issues.

Tree Significance: Includes environmental, social or historical reasons why the tree is significant to the site. The tree may also be rare under cultivation or have a rare or localised natural distribution.

Arborist Actions: A list of arboricultural and/or plant health care works that are aimed at maintaining or improving the tree's health, structural condition or form. Actions may also directly or indirectly reduce the risk potential of the tree such as via the removal of a particular branch or the moving of infrastructure from under its canopy.

Appendix C. STARS® Tree Retention Value Matrix

IACA Significance of a Tree, Assessment Rating System (STARS) (IACA 2010)®

In the development of this assessment rating system, the Institute of Australian Consulting Arboriculturists (IACA) acknowledges the contribution and original concept of the Footprint Green Tree Significance & Retention Value Matrix, developed by Footprint Green Pty Ltd in June 2001. The landscape significance of a tree is an essential criterion to establish the importance that a particular tree may have on a site. However, rating the significance of a tree becomes subjective and difficult to ascertain in a consistent and repetitive fashion due to assessor bias. It is therefore necessary to have a rating system utilising structured qualitative criteria to assist in determining the retention value for a tree. To assist this process, all definitions for terms used in the Tree Significance - Assessment Criteria and Tree Retention Value - Priority Matrix, are taken from the IACA Dictionary for Managing Trees in Urban Environments 2009.

This rating system will assist in the planning processes for proposed works, above and below ground where trees are to be retained on or adjacent a development site. The system uses a scale of High, Medium and Low significance in the landscape. Once the landscape significance of an individual tree has been defined, the retention value can be determined.

Tree Significance - Assessment Criteria

1. High Significance in landscape	2. Medium Significance in landscape	3. Low Significance in landscape
<p>The tree is in good condition and good vigour,</p> <p>The tree has a form typical for the species,</p> <p>The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age,</p> <p>The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register,</p> <p>The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity,</p> <p>The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values,</p> <p>The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa in situ - tree is appropriate to the site conditions.</p>	<p>The tree is in fair-good condition and good or low vigour,</p> <p>The tree has form typical or atypical of the species,</p> <p>The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area,</p> <p>The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street,</p> <p>The tree provides a fair contribution to the visual character and amenity of the local area,</p> <p>The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa in situ.</p>	<p>The tree is in fair-poor condition and good or low vigour,</p> <p>The tree has form atypical of the species,</p> <p>The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings,</p> <p>The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area,</p> <p>The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen,</p> <p>The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa in situ - tree is inappropriate to the site conditions,</p> <p>The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms,</p> <p>The tree has a wound or defect that has potential to become structurally unsound.</p>

		Environmental Pest / Noxious Weed Species
		The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties, The tree is a declared noxious weed by legislation.
		Hazardous/Irreversible Decline
		The tree is structurally unsound and/or unstable and is considered potentially dangerous, The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

The tree is to have a minimum of three (3) criteria in a category to be classified in that group.

Note: The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety

Tree Retention Value - Priority Matrix STARS (IACA 2010)®

		Landscape Significance Rating				
		High	Medium	Low		
		Significance in Landscape	Significance in Landscape	Significance in Landscape	Environmental Pest / Noxious Species	Hazardous / Irreversible Decline
Estimated Life Expectancy (Years)	Long >40 Years					
	Medium 15-40 Years					
	Short <1-15 Years					
	Dead					

Legend for Matrix Assessment STARS (IACA 2010)®

	Priority for Retention (High) - These trees are considered important for retention and should be retained and protected. Design modification or re-location of buildings should be considered to accommodate the setbacks as prescribed by the Australian Standards AS4970 <i>Protection of trees on development sites</i> . Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone (TPZ).
	Consider for Retention (Medium) – These trees may be retained and protected. These are considered less critical; however, their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.
	Consider for Removal (Low) – These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.
	Priority for Removal – These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

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

Appendix D. Plant Health Care and Mulching

Guide to plant health tonics and root growth stimulants

Considering the varying sizes of trees in common urban landscapes, it is suggested that an application volume of combined water and product solution of 80–150L for small to medium sized trees (5-10m height), 150–250L for medium to large sized trees (10-20m height) and 250–400L for large to very large sized trees (+20m height). Note: a lesser volume of total mixed product could be used if a more concentrated mix is drenched and water irrigation used to further drench the area and therefore dilute the stronger mix application.

The following product recommendations have been based on previous successful works undertaken by ArborSafe. The information provided is to be used as a general guide only, depending on your tree species, health or location. We recommend you always refer to the manufacturers label before applying any product. You may need to further consult with ArborSafe or your Project Arborist to develop a more specific program for your tree needs.

- **Soil Conditioner** concentrate such as Kelpro, Seasol or similar 600–800mL/100L of water. A concentration of beneficial nutrients stimulating plant growth and root establishment, ideal for trees under stress.
- **Nitrogen Boost** concentrate such as Nitrosol liquid plant food or similar 300mL/100L of water. A general-purpose fertilizer that contains a nitrogen boost (the most abundantly used element for tree growth). NB: Care must be taken when applying general fertilizer, particularly where plants can be affected Phosphorus toxicity.
- **Root Biostimulant** concentrate such as Auxinone or similar 400mL/100L of water. A scientific blend of hormone root growth stimulants and vitamins assisting in the regeneration of roots.
- **Microbial Formulation** concentrate such as Nocate Liquid or similar 500mL/100L of water. Generally containing strains of beneficial soil microorganisms, humic acid, kelp, essential amino acids, vitamins, biotin, folic acid and natural sugars designed to enhance the establishment of beneficial microbial populations.
- **Carbohydrate Energy Source** such as Molasses 500-800mL/100L of water. Molasses is the by-product of sugar refining. It contains all the nutrients from the raw sugarcane plant and is a carbohydrate energy source that feeds soil microorganisms and increases microbial activity.
- **Surfactant/Wetting Agent** (optional) such as Dispatch (Liquid) 200–300ml/100L of water. Improves the infiltration and penetration of applied water and irrigation.

We recommend you always refer to the manufacturers label before applying any product using the above as a guide only.

Guide to mulching and maintenance for established trees

Whether a tree is a newly planted young tree, or a well-established mature tree, the area around its base is a key factor in its long-term retention and viability. Maintaining a soil environment that is conducive to tree root development is vital for trees of all ages. This guide provides information on appropriate maintenance practices around the base of trees including mulching and the restriction of activities that may cause harm to tree roots or trunks.

1. Why mulch?

Mulching is a plant health care action which can be undertaken to improve plant and soil health (Figure 21), as well as overall landscape aesthetics. Placing an organic (or sometimes inorganic) material on the soil surface reduces the level of direct sunlight contact. Mulching should not be confused with composting which involves incorporating organic matter such as composts or manures into the soil profile. All plants in their natural ecologies (except for some arid and coastal ecologies) are naturally mulched by the falling of leaves, bark, flowers and other organic material.

This action is of great importance in successful cultivation of plants as it:

- assists in the regulation of soil moisture and temperature levels
- helps to suppress weeds
- minimises soil compaction
- reduces run-off during periods of heavy rain
- adds organic matter to the soil, and
- improves overall structure, nutrition and water holding composition.

Mulch is best comprised of organic materials such as wood chips, leaf litter, straw or hay as these will degrade over time. Long-term mulching improves soil health and structure as it encourages the activities of earthworms, microflora and beneficial fungi. Inorganic materials such as stones and gravel can be moderately effective as mulch but will not provide the ongoing improvements to soil health.



Figure 21. An excellent example of how to mulch a young tree. (Lachlan Andrews, September 2015).

2. How to mulch

- Apply mulch to damp soil, as placing over dry soil makes it difficult to rehydrate. Applying during the cooler months of the year is an ideal time.
- If mulching on top of a pre-existing grass area, grass or weeds must first be hand weeded and/or sprayed with a non-selective herbicide and left to wilt and die before applying mulch.
- Mulch should be applied at a uniform thickness of 75–100mm and re-applied approximately every 12 months. Do not place mulch up against the trunk of a tree as the damp mulch can cause bark to decay.
- Apply over a wide area, at least as large as a tree's crown projection (preferably larger), within and outside the current root mass to encourage lateral root development and expansion.
- Wood chip mulch (such as that generated from wood chippers) is considered an ideal mulch for landscape use as it contains a wide variety of materials that are of different sizes (such as bark, foliage and timber), is relatively cheap to purchase, and can be obtained in large quantities. Stockpiling of mulch after tree contractors have conducted works at a site is a way of generating 'free' mulch and ensuring that plant material from tree pruning and/or removals is recycled on site, not imported from external suppliers, saving costs and making the site more self-sustaining.
- The use of mulch made from pine bark or red gum chips are discouraged as they seldom degrade and therefore do not add nutrition to the soil profile. The uniform particle size and resin content can provide an impervious layer to water as well as retarding gaseous exchange.
- Mulching within the canopy areas of larger trees (Figure 22) can not only improve long-term tree health but can also act to reduce tree risk by decreasing the number of targets that pass and/or congregate under their canopies. This in turn will minimise the likelihood of injury in the event of a branch failure.
- When using wood chip mulch, ensure that if it has been made from live plant material that is stored and allowed to compost for between 3 and 6 months prior to use. Never apply fresh, 'green' mulch around trees as this can induce what is called the nitrogen drawdown, which can result in the removal of nitrogen from the soil resulting in plants with nutrient deficiencies.

For further information refer to the Australian Standard AS 4454–2012: *Composts, Soil Conditioners and Mulches*.

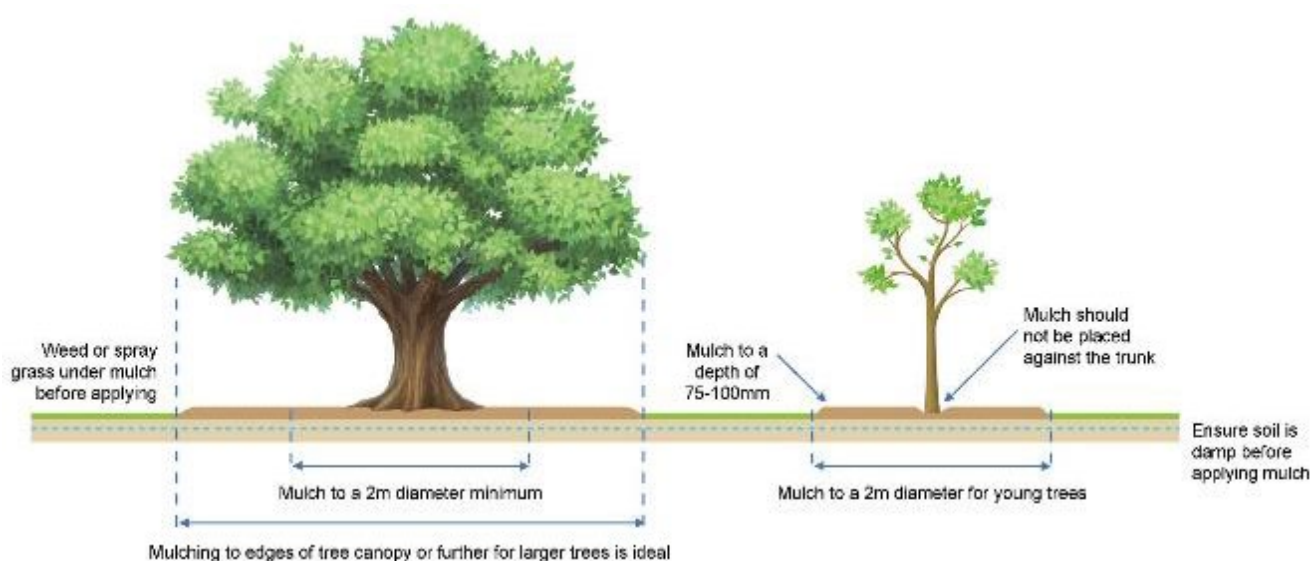


Figure 22. Mulching established and young trees (ArborSafe Australia, 2020).

3. Root and trunk damage

The function of tree roots is primarily to provide water and nutrient uptake for the tree, provide stability through structural roots that anchor it to the ground and as a means of food and nutrient storage. Damage to tree roots can lead to a reduction to any or all of these functions.

Damage to tree roots (Figure 23 and Figure 24) and the lower portion of a tree's trunk is a common and often unnecessary occurrence that can lead to the entry of decay fungi into a tree's structural framework. Once present, decay may develop in larger structural roots and/or the base of the trunk, which can result in a reduction in tree health and in severe cases even compromise stability.

Works such as trenching and excavation are often the cause of root damage to trees. Refer to ArborSafe's Guide – Tree protection during construction or the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites* for things to consider when performing construction activities near trees.

Everyday activities such as grass cutting via mowing or brush cutters can result in serious root damage or wounding to the lower trunk. Young trees with their trunks damaged by machinery often need replacing, while damage to the trunks and/or surface roots of established trees is not only detrimental to tree health but can also result in costly repairs to machinery.

Another advantage to mulching around the trunk and root crown is that it limits damage to both parts from mowing equipment. This in turn reduces mechanical damage and compaction.



Figure 23. An example of damage to tree roots caused via mowing. (Luke Dawson, June 2017).



Figure 24. Image showing wound caused to upper portion of surface root by mower. (Luke Dawson, June 2017).

4. How to avoid root and trunk damage

The following points serve to highlight ways to avoid damage to tree roots and trunks caused via grass cutting activities:

- Mulching around young and established trees negates the need for brush cutter and/or lawn mower use around the base of a tree. Mulching therefore not only creates a barrier between tree roots and trunk that are susceptible to damage, it improves soil condition, minimises soil compaction and decreases the total area required for mowing.
- Where mulching is not feasible, raising the cutting height of mowers and maintaining grass at a greater height can avoid unnecessary 'scalping' of roots and damage to mowers/blades.
- Where surface roots are located away from the trunk and in a location where neither the application of mulch nor the raising of mower height is inappropriate, it may be possible to raise the soil grade directly around the root/s to minimise damage. It is important that the application of new material does not result in significant changes to the soil profile that may inadvertently damage roots. Material applied should be permeable and allow the development of turf which will protect the roots. Coarse sand or a planting mix with a high sand to organic matter ratio (e.g. 80/20 mix) spread at a depth of 75–100mm could suitably protect the surface root from damage, while allowing turf to redevelop within the area.
- ArborSafe is able to answer any questions regarding the material, depth and method of application to be used to ensure the tree/s remain viable for the long-term.

Appendix E. Tree Assessment Data

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
1	42	<i>Sapium sebiferum</i>	Chinese Tallow Tree	283952.594	6263768.616	1	40	44	4.8	72.25	2.3	5-10	5-10	Good	Good	Mature	Medium (15-40)	Damaging infrastructure, Epicormic growth, Wound(s)	Amenity value/shade	Council exemption applies to trees of this species 8m in height. Other controls may apply.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
2	43	<i>Platanus x hybrida</i>	London Plane	283944.108	6263775.6	1	50	55	6.0	113.10	2.6	10-15	5-10	Poor	Good	Semi-Mature	Short (<1-15)	Co-dominant stems, Damaging infrastructure, Deadwood/stubs > 60mm, Dieback, Disease	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
3	61	<i>Corymbia citriodora</i>	Lemon-scented Gum	283935.818	6263768.871	1	52	56	6.2	122.33	2.6	10-15	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Damaging infrastructure, Deadwood/stubs > 60mm, Dieback, Disease	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
4	63	<i>Melealeuca bracteata</i>	Black Tea Tree	283933.778	6263766.585	1	26	57	3.1	30.85	2.6	5-10	<5	Good	Poor	Semi-Mature	Short (<1-15)	Crossing/rubbing branches, Deadwood/stubs > 60mm, Dieback, Epicormic growth, Gall(s), Hanger(s), Resin exudation/kino			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
5	64	<i>Melealeuca bracteata</i>	Black Tea Tree	283932.09	6263762.781	1	28	43	3.4	36.28	2.3	5-10	<5	Fair	Fair	Semi-Mature	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
6	65	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283930.234	6263762.026	1	47	49	5.6	99.93	2.5	10-15	10-15	Poor	Fair	Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 100mm, Dieback, Epicormic growth, Excessive thinning, Previous failure(s), Wound(s)		Severe decline, remove irrespective of development.	Remove	Remove tree irrespective of future development.
7	66	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283928.819	6263759.135	1	58	64	7.0	152.18	2.7	10-15	10-15	Poor	Fair	Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 60mm, Dieback, Epicormic growth, Wound(s)			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
8	9716	<i>Melealeuca armillaris</i>	Bracelet Honey Myrtle	283941.945	6263744.349	1	41	52	4.9	76.05	2.5	5-10	<5	Good	Fair	Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs < 30mm, Included bark, Previous failure(s), Suppressed, Wound(s)	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
9	10175	<i>Lophostemon confertus</i>	Queensland Box	283922.04	6263738.732	1	20	24	2.4	18.10	1.8	5-10	<5	Good	Fair	Juvenile	Long (>40)	Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
10	10174	<i>Lophostemon confertus</i>	Queensland Box	283919.901	6263736.003	1	19	23	2.3	16.33	1.8	5-10	<5	Good	Fair	Juvenile	Long (>40)	Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
11	10173	<i>Lophostemon confertus</i>	Queensland Box	283917.378	6263732.553	1	26	28	3.1	30.58	1.9	5-10	<5	Good	Good	Juvenile	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
12	10172	<i>Lophostemon confertus</i>	Queensland Box	283910.774	6263723.899	1	12	15	2.0	12.57	1.5	<5	<5	Good	Good	Juvenile	Long (>40)	Suppressed			Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
13	10170	<i>Lophostemon confertus</i>	Queensland Box	283906.459	6263718.17	1	15	16	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Long (>40)	Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
14	10169	<i>Lophostemon confertus</i>	Queensland Box	283901.939	6263712.579	1	22	27	2.6	21.90	1.9	5-10	<5	Good	Good	Juvenile	Long (>40)	Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
15	10168	<i>Lophostemon confertus</i>	Queensland Box	283896.402	6263705.154	1	29	36	3.5	38.05	2.2	5-10	5-10	Good	Good	Juvenile	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
16	72	<i>Eucalyptus sideroxylon</i>	Red Ironbark	283899.987	6263716.857	1	90	119	10.8	366.44	3.6	15-20	15-20	Fair	Fair	Mature	Medium (15-40)	Borers/termites, Deadwood/stubs > 100mm, Dieback, Epicormic growth, Wound(s)	Amenity value/shade, Significant due to age/size	Good response along margins of lower main trunk wound forming on Eastern aspect between 1-4 m. Large diameter Deadwood in Southern canopy.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
17	10171	<i>Callistemon salignus</i>	Willow Bottlebrush	283904.105	6263722.26	1	16	18	2.0	12.57	1.6	5-10	<5	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
18	71	<i>Callistemon salignus</i>	Willow Bottlebrush	283906.207	6263724.815	1	14	21	2.0	12.57	1.7	5-10	<5	Good	Good	Juvenile	Medium (15-40)		Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
19	70	<i>Eucalyptus cladocalyx</i>	Sugar Gum	283908.254	6263728.16	1	53	71	6.4	127.08	2.9	10-15	10-15	Poor	Poor	Mature	Short (<1-15)	Deadwood/stubs > 100mm, Decay, Dieback, Epicormic growth, Fungal fruiting body(s), Previous failure(s), Resin exudation/kino, Wound(s)		Limited TLE based on health and condition, removal of tree recommended irrespective of development. Stick nest in canopy	Remove	Remove tree irrespective of future development.
20	69	<i>Callistemon salignus</i>	Willow Bottlebrush	283912.855	6263733.878	1	14	20	2.0	12.57	1.7	<5	<5	Fair	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
21	67	<i>Corymbia maculata</i>	Spotted Gum	283917.446	6263740.077	1	70	82	8.4	221.67	3.0	15-20	15-20	Good	Good	Mature	Long (>40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
22	73	<i>Lophostemon confertus</i>	Queensland Box	283893.166	6263746.309	1	26	31	3.1	30.58	2.0	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
23	74	<i>Lophostemon confertus</i>	Queensland Box	283895.487	6263749.325	1	44	47	5.3	87.58	2.4	5-10	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
24	75	<i>Lophostemon confertus</i>	Queensland Box	283897.496	6263752.26	1	22	24	2.6	21.90	1.8	5-10	5-10	Good	Good	Juvenile	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
25	76	<i>Lophostemon confertus</i>	Queensland Box	283899.505	6263755.3	1	13	15	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
26	77	<i>Lophostemon confertus</i>	Queensland Box	283902.123	6263758.452	1	30	32	3.6	40.72	2.1	5-10	5-10	Good	Good	Juvenile	Long (>40)	Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
27	78	<i>Corymbia maculata</i>	Spotted Gum	283905.946	6263760.89	1	67	81	8.0	203.08	3.0	15-20	10-15	Good	Good	Mature	Long (>40)	Co-dominant stems, Damaging infrastructure, Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
28	87	<i>Lophostemon confertus</i>	Queensland Box	283895.174	6263756.164	1	28	33	3.4	35.47	2.1	5-10	<5	Fair	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Dieback	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
29	79	<i>Eucalyptus sp.</i>	Eucalypt	283897.361	6263759.578	1	39	41	4.7	68.81	2.3	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Borers/termites, Co-dominant stems, Deadwood/stubs > 30mm, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
30	80	<i>Melia ezedarach</i>	White Cedar	283901.164	6263765.094	1	18	22	2.2	14.66	1.8	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
31	82	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283900.282	6263764.407	1	27	40	3.2	31.98	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
32	84	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283891.697	6263770.891	1	34	39	4.1	51.06	2.2	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
33	85	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	283888.939	6263772.604	1	16	21	2.0	12.57	1.7	<5	<5	Fair	Fair	Juvenile	Short (<1-15)	Suppressed, Uncharacteristic form			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
34	86	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283886.401	6263774.301	1	47	59	5.6	99.93	2.7	10-15	5-10	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Dieback, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
35	9711	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283883.763	6263774.954	1	24	30	2.8	25.06	2.0	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
36	9705	<i>Callistemon salignus</i>	Willow Bottlebrush	283880.967	6263777.809	1	24	39	2.9	26.51	2.2	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
37	9706	<i>Lophostemon confertus</i>	Queensland Box	283879.18	6263778.969	1	19	23	2.3	16.33	1.8	5-10	<5	Good	Good	Juvenile	Medium (15-40)	Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
38	9710	<i>Callistemon salignus</i>	Willow Bottlebrush	283884.814	6263777.026	1	26	31	3.2	31.71	2.0	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Poor pruning	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
39	9708	<i>Eucalyptus sp.</i>	Eucalypt	283882.495	6263777.901	1	41	55	4.9	76.05	2.6	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Poor pruning, Resin exudation/kino, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
40	9707	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283879.474	6263780.453	1	58	65	7.0	152.14	2.8	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
41	101	<i>Fraxinus griffithii</i>	Evergreen Ash	283882.849	6263790.332	1	23	29	2.8	24.84	2.0	<5	<5	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
42	100	<i>Fraxinus griffithii</i>	Evergreen Ash	283884.429	6263792.607	1	21	29	2.6	20.63	2.0	<5	<5	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
43	99	<i>Fraxinus griffithii</i>	Evergreen Ash	283885.822	6263794.681	1	24	34	2.9	26.10	2.1	<5	<5	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Exposed root(s)	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
44	98	<i>Fraxinus griffithii</i>	Evergreen Ash	283887.824	6263797.314	1	31	32	3.8	44.42	2.1	<5	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Damaging infrastructure, Deadwood/stubs < 30mm	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
45	60	<i>Corymbia citridora</i>	Lemon-scented Gum	283875.944	6263825.756	1	95	105	11.4	408.28	3.4	20-30	15-20	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs > 60mm, Hanger(s)	Amenity value/shade, Dominant landscape feature, Significant due to age/size	30% TPZ covered by fill	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
46	9699	<i>Corymbia citridora</i>	Lemon-scented Gum	283885.706	6263826.486	1	38	43	4.6	65.33	2.3	15-20	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Suppressed	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
47	48	<i>Cupressus sp.</i>	Cypress	283892.462	6263821	1	40	40	4.8	72.38	2.3	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)	Poor pruning		Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
48	47	<i>Melaleuca armillaris</i>	Bracelet Honey Myrtle	283899.591	6263825.287	1	32	49	3.9	46.73	2.5	<5	5-10	Poor	Poor	Mature	Short (<1-15)	Deadwood/stubs > 60mm, Dieback, Previous failure(s), Wound(s)		Previous failure at base, limited TLE.	Remove	Remove tree irrespective of future development.
49	46	<i>Melaleuca armillaris</i>	Bracelet Honey Myrtle	283905.129	6263822.551	1	36	51	4.3	57.05	2.5	<5	5-10	Fair	Poor	Mature	Short (<1-15)	Crack(s)/split(s), Damaging infrastructure, Deadwood/stubs > 60mm, Dieback, Previous failure(s)		Previous failure at base, limited TLE. Tree resting on boundary fence.	Remove	Remove tree irrespective of future development.
50	49	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283908.995	6263809.747	1	27	31	3.3	33.48	2.0	5-10	5-10	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade		Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
51	50	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283913.73	6263807.52	1	41	52	5.0	77.54	2.5	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
52	51	<i>Ligustrum lucidum</i>	Chinese Privet	283920.36	6263803.319	1	43	65	5.1	82.65	2.8	5-10	5-10	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Epicormic growth, Poor pruning		Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
53	9700	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283926.531	6263812.41	1	35	41	4.2	55.55	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Damaging infrastructure, Heaved root plate	Amenity value/shade		Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
54	9701	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283930.567	6263810.084	1	46	52	5.5	93.78	2.5	5-10	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
55	9702	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283928.772	6263806.619	1	18	20	2.2	14.70	1.7	<5	<5	Good	Fair	Juvenile	Short (<1-15)	Uncharacteristic form, Wound(s)			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
56	59	<i>Cupressus sp.</i>	Cypress	283932.874	6263800.416	1	45	49	5.4	91.61	2.5	10-15	<5	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark		DBH estimated.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
57	58	<i>Cinnamomum camphora</i>	Camphor Laurel	283931.708	6263795.607	1	61	61	7.3	168.65	2.7	5-10	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade	Council exemption applies to trees of this species 8m in height. Other controls may apply. 40% TPZ covered by fill/weed species	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
58	57	<i>Syagrus romanzoffiana</i>	Cocos Palm	283908.169	6263790.087	1	24	37	2.9	26.06	2.2	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
59	81	<i>Syagrus romanzoffiana</i>	Cocos Palm	283907.797	6263787.675	1	31	39	3.7	43.47	2.2	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
60	54	<i>Syagrus romanzoffiana</i>	Cocos Palm	283912.452	6263784.877	1	34	41	4.1	52.30	2.3	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
61	56	<i>Syagrus romanzoffiana</i>	Cocos Palm	283913.353	6263787.879	1	23	27	2.8	23.93	1.9	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
62	55	<i>Syagrus romanzoffiana</i>	Cocos Palm	283917.12	6263784.587	1	30	44	3.6	40.72	2.3	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
63	52	<i>Syagrus romanzoffiana</i>	Cocos Palm	283918.156	6263780.137	1	26	34	3.1	30.58	2.1	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
64	53	<i>Syagrus romanzoffiana</i>	Cocos Palm	283921.345	6263781.316	1	29	44	3.5	38.05	2.3	5-10	<5	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm		Tree removal exempt under Penrith Council DCP	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
65	9684	<i>Cupressus sp.</i>	Cypress	283947.959	6263788.204	1	35	35	4.2	55.42	2.1	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Included bark		Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
66	45	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283949.418	6263791.317	1	34	43	4.1	52.21	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Hanger(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
67	44	<i>Corymbia citridora</i>	Lemon-scented Gum	283951.032	6263789.04	1	62	69	7.4	173.90	2.8	15-20	15-20	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Previous failure(s)	Amenity value/shade	Evidence of multiple branch failures throughout canopy reducing significance category.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
68	9683	<i>Eucalyptus nicholi</i>	Narrow-leaved Black Peppermint	283953.194	6263790.433	1	86	84	10.3	334.59	3.1	10-15	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth, Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
69	NA	<i>Acer negundo</i>	Box Elder Maple	283957.667	6263784.887	1	40	45	4.8	72.38	2.4	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
70	7	<i>Cinnamomum camphora</i>	Camphor Laurel	283968.077	6263778.445	1	61	87	7.4	169.78	3.1	10-15	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth			High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
71	6	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283967.346	6263778.562	1	29	34	3.5	38.05	2.1	5-10	5-10	Good	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
72	8	<i>Corymbia ficifolia</i>	West. Aust. Red Flowering Gum	283968.202	6263779.762	1	19	23	2.3	16.33	1.8	<5	<5	Poor	Fair	Mature	Short (<1-15)	Cavity(s), Deadwood/stubs < 30mm, Dieback, Suppressed, Uncharacteristic form, Wound(s)			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
73	9	<i>Cinnamomum camphora</i>	Camphor Laurel	283974.52	6263777.899	1	73	102	8.8	244.29	3.3	10-15	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
74	10	<i>Lophostemon confertus</i>	Queensland Box	283976.65	6263773.098	1	35	40	4.2	55.42	2.3	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs < 30mm	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
75	17	<i>Lophostemon confertus</i>	Queensland Box	283982.486	6263770.126	1	35	40	4.2	55.42	2.3	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Mechanical damage	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
76	19	<i>Lophostemon confertus</i>	Queensland Box	283987.017	6263767.708	1	39	42	4.7	68.81	2.3	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
77	22	<i>Lophostemon confertus</i>	Queensland Box	283991.5	6263764.783	1	48	53	5.8	104.23	2.5	10-15	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Previous failure(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
78	23	<i>Lophostemon confertus</i>	Queensland Box	283996.155	6263762.431	1	34	40	4.1	52.30	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
79	24	<i>Lophostemon confertus</i>	Queensland Box	284000.085	6263759.381	1	28	42	3.3	34.43	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Included bark	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
80	10178	<i>Lophostemon confertus</i>	Queensland Box	284003.073	6263755.025	1	35	41	4.2	55.42	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
81	21	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283995.5	6263767.26	1	47	53	5.6	99.93	2.5	5-10	5-10	Good	Poor	Mature	Short (<1-15)	Crack(s)/split(s), Deadwood/stubs < 30mm, Previous failure(s), Weak union(s)	Amenity value/shade	Main Union at 3 m has failed. Remove irrespective of development.	Remove	Remove tree irrespective of future development.
82	20	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283993.85	6263768.647	1	40	41	4.8	72.38	2.3	5-10	5-10	Good	Fair	Mature	Short (<1-15)	Abnormal lean, Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
83	18	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283991.481	6263769.995	1	53	54	6.4	128.25	2.6	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Hanger(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
84	10188	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283967.22	6263787.954	1	25	38	3.0	28.00	2.2	5-10	5-10	Good	Fair	Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
85	10189	<i>Acer negundo</i>	Box Elder Maple	283967.148	6263791.208	3	25	30	3.0	28.27	2.0	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
86	13	<i>Melaleuca bracteata</i>	Black Tea Tree	283977.568	6263783.105	1	47	50	5.6	99.34	2.5	10-15	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Damaging infrastructure, Included bark, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
87	12	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283983.172	6263779.201	1	33	41	4.0	49.27	2.3	5-10	5-10	Good	Fair	Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
88	14	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283990.641	6263780.797	1	27	40	3.2	32.98	2.3	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
89	15	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283993.485	6263778.933	1	46	61	5.5	96.31	2.7	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs > 100mm, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
90	16	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283996.877	6263777.624	1	47	73	5.6	99.66	2.9	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Hanger(s), Mechanical damage to root(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
91	10181	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283999.256	6263770.621	1	37	47	4.4	61.16	2.4	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Parasitic plant/mistletoe, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
92	25	<i>Melaleuca bracteata</i>	Black Tea Tree	284005.208	6263767.57	1	54	62	6.5	132.37	2.7	10-15	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
93	26	<i>Ligustrum lucidum</i>	Chinese Privet	284009.85	6263764.949	1	33	42	3.9	48.45	2.3	10-15	5-10	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
94	407	<i>Callistemon viminalis</i>	Weeping Bottlebrush	284014.33	6263762.356	1	27	35	3.2	31.94	2.1	5-10	5-10	Good	Fair	Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
95	406	<i>Callistemon viminalis</i>	Weeping Bottlebrush	284011.291	6263771.878	1	64	89	7.7	187.97	3.2	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs > 30mm, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
96	405	<i>Callistemon viminalis</i>	Weeping Bottlebrush	284018.573	6263767.777	1	36	70	4.3	57.27	2.8	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
97	404	<i>Callistemon viminalis</i>	Weeping Bottlebrush	284024.596	6263765.5	1	69	76	8.2	213.03	2.9	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs > 30mm, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
98	402	<i>Callistemon viminalis</i>	Weeping Bottlebrush	284028.407	6263760.768	1	52	69	6.3	124.09	2.8	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs > 30mm, Epicormic growth, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
99	399	<i>Melaleuca bracteata</i>	Black Tea Tree	284025.617	6263755.625	1	32	33	3.9	46.91	2.1	5-10	<5	Good	Fair	Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
100	400	<i>Eucalyptus sideroxylon</i>	Red Ironbark	284026.18	6263754.574	1	87	108	10.5	345.31	3.4	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark, Soil grade changes	Amenity value/shade, Significant due to age/size		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
101	11	<i>Cinnamomum camphora</i>	Camphor Laurel	283981.795	6263774.418	1	55	76	6.6	137.71	2.9	15-20	10-15	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Poor pruning	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
102	102	Dead Tree	Dead Tree	283983.685	6263702.498	2	50	55	6.0	113.10	2.6	10-15	5-10	Dead	Poor	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
103	NA	<i>Eucalyptus microcorys</i>	Tallowwood	283974.712	6263689.907	1	51	60	6.2	119.52	2.7	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth, Included bark, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
104	NA	Dead Tree	Dead Tree	283972.237	6263687.767	1	49	61	5.9	108.62	2.7	10-15	5-10	Dead	Fair	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
105	103	Dead Tree	Dead Tree	283974.712	6263689.907	1	64	72	7.7	185.30	2.9	10-15	5-10	Dead	Fair	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
106	104	Dead Tree	Dead Tree	283972.237	6263687.767	1	41	65	4.9	76.05	2.8	10-15	5-10	Dead	Fair	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
107	105	<i>Eucalyptus microcorys</i>	Tallowwood	283968.243	6263682.874	1	46	55	5.5	95.73	2.6	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
108	106	<i>Eucalyptus microcorys</i>	Tallowwood	283967.395	6263680.294	1	45	52	5.4	91.61	2.5	10-15	5-10	Poor	Poor	Semi-Mature	Short (<1-15)	Deadwood/stubs > 100mm, Dieback, Epicormic growth		Less than 5% live foliage.	Remove	Remove tree irrespective of future development.
109	107	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283963.067	6263675.203	1	72	85	8.6	234.52	3.1	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 100mm, Decay, Epicormic growth, Fungal fruiting body(s), Previous failure(s), Wound(s)	Amenity value/shade	Fungal fruiting body at 2m on NE aspect, good response growth present. 30% TPZ covered by fill.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
110	NA	<i>Eucalyptus microcorys</i>	Tallowwood	283963.2161	6263673.684	1	33	45	3.9	48.41	2.4	10-15	<5	Fair	Poor	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
111	108	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283959.047	6263670.083	1	54	73	6.5	131.92	2.9	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 60mm, Dieback, Epicormic growth, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
112	109	Dead Tree	Dead Tree	283956.872	6263668.509	1	27	33	3.2	32.98	2.1	5-10	<5	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
113	111	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283951.688	6263661.029	1	67	90	8.0	203.08	3.2	20-30	15-20	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 100mm, Dieback, Epicormic growth, Previous failure(s), Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
114	112	<i>Eucalyptus microcorys</i>	Tallowwood	283949.6	6263658.765	1	59	68	7.1	157.48	2.8	15-20	5-10	Good	Fair	Semi-Mature	Long (>40)	Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
115	113	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283948.13	6263656.01	1	43	57	5.2	83.65	2.6	20-30	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
116	114	<i>Eucalyptus microcorys</i>	Tallowwood	283946.511	6263654.156	1	42	52	5.0	79.80	2.5	10-15	5-10	Fair	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
117	115	<i>Eucalyptus microcorys</i>	Tallowwood	283944.181	6263651.288	1	64	75	7.7	184.67	2.9	10-15	5-10	Poor	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
118	116	<i>Eucalyptus microcorys</i>	Tallowwood	283940.707	6263647.325	1	51	66	6.1	117.67	2.8	5-10	<5	Poor	Poor	Semi-Mature	Short (<1-15)			Advanced decline, subject to past failure.	Remove	Remove tree irrespective of future development.
119	117	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283938.803	6263644.873	1	48	64	5.8	104.23	2.7	15-20	5-10	Fair	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
120	118	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283933.676	6263637.588	1	40	54	4.8	72.38	2.6	10-15	5-10	Fair	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
121	119	<i>Corymbia maculata</i>	Spotted Gum	283930.732	6263632.654	1	54	64	6.5	131.92	2.7	20-30	5-10	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Parasitic plant/mistletoe, Resin exudation/kino, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
122	120	Dead Tree	Dead Tree	283929.427	6263632.698	1	62	71	7.4	173.90	2.9	15-20	5-10	Dead	Poor	Mature	Dead				Remove	Remove tree irrespective of future development.
123	121	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283924.627	6263625.862	1	37	60	4.4	61.93	2.7	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs < 30mm	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
124	122	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283920.244	6263621.193	1	58	64	7.0	152.18	2.7	20-30	10-15	Good	Good	Mature	Long (>40)	Borers/termites, Crossing/rubbing branches, Deadwood/stubs > 60mm, Hanger(s), Wound(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
125	123	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283917.027	6263616.621	1	42	53	5.0	79.80	2.5	15-20	10-15	Good	Good	Semi-Mature	Long (>40)		Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
126	124	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283912.926	6263611.736	1	48	64	5.8	104.23	2.7	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Crossing/rubbing branches, Deadwood/stubs > 60mm, Epicormic growth, Hanger(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
127	125	<i>Eucalyptus tereticornis</i>	Forest Red Gum	283911.795	6263609.151	1	51	63	6.1	117.67	2.7	20-30	10-15	Fair	Good	Semi-Mature	Long (>40)	Dieback, Epicormic growth, Wound(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
128	126	<i>Corymbia citriodora</i>	Lemon-scented Gum	283894.646	6263587.552	1	37	55	4.4	61.93	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Crossing/rubbing branches, Deadwood/stubs < 30mm, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
129	127	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283893.085	6263585.121	1	51	61	6.1	117.67	2.7	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
130	128	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283890.633	6263583.239	1	66	78	7.9	197.06	3.0	20-30	10-15	Good	Good	Mature	Long (>40)	Deadwood/stubs > 60mm, Hanger(s), Previous failure(s)	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
131	129	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283885.429	6263575.957	1	57	65	6.8	146.98	2.8	20-30	10-15	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade	15% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
132	130	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283883.073	6263573.825	1	60	70	7.2	162.86	2.8	20-30	10-15	Good	Fair	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Previous failure(s)	Amenity value/shade	15% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
133	131	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283881.728	6263571.277	1	74	90	8.9	247.73	3.2	20-30	15-20	Good	Good	Mature	Long (>40)	Deadwood/stubs > 60mm, Hanger(s), Previous failure(s)	Amenity value/shade	23% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
134	132	<i>Corymbia citriodora</i>	Lemon-scented Gum	283877.051	6263566.448	1	45	54	5.4	91.61	2.6	10-15	5-10	Good	Poor	Semi-Mature	Medium (15-40)	Deadwood/stubs > 100mm, Decay, Suppressed, Wound(s)			Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
135	134	<i>Angophora bakeri</i>	Narrow-leaved Apple	283875.453	6263563.849	1	57	80	6.8	146.76	3.0	10-15	5-10	Good	Poor	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
136	135	<i>Corymbia citriodora</i>	Lemon-scented Gum	283873.873	6263561.347	1	44	52	5.3	87.58	2.5	10-15	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Excessive end weight, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
137	136	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283871.835	6263559.207	1	51	65	6.1	117.67	2.8	15-20	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 60mm, Previous failure(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
138	137	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283869.939	6263557.483	1	51	64	6.1	117.67	2.7	10-15	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
139	138	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283866.502	6263552.517	1	49	64	5.9	108.62	2.7	20-30	5-10	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 60mm, Dieback, Epicormic growth, Soil grade changes	Amenity value/shade	15% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
140	139	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283864.722	6263549.702	1	48	53	5.8	104.23	2.5	15-20	5-10	Fair	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Previous failure(s), Soil grade changes	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
141	140	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283861.409	6263545.412	1	23	34	2.8	23.93	2.1	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
142	141	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283859.074	6263543.793	1	52	73	6.2	122.33	2.9	20-30	10-15	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm, Previous failure(s)	Amenity value/shade	15% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
143	144	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283852.539	6263537.924	1	71	94	8.5	228.05	3.2	20-30	15-20	Good	Fair	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 100mm, Epicormic growth, Previous failure(s)	Amenity value/shade	24% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
144	145	<i>Corymbia citriodora</i>	Lemon-scented Gum	283849.5	6263535.698	1	62	79	7.5	176.12	3.0	20-30	10-15	Good	Fair	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark, Suppressed	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
145	142	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	283853.397	6263534.737	1	21	28	2.5	19.95	1.9	5-10	<5	Poor	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
146	146	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	283836.017	6263529.13	1	35	57	4.2	55.42	2.6	5-10	5-10	Fair	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
147	147	<i>Eucalyptus robusta</i>	Swamp Mahogany	283829.354	6263526.978	1	72	77	8.6	231.49	3.0	10-15	15-20	Fair	Fair	Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Poor pruning, Suppressed	Amenity value/shade	26% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
148	148	<i>Eucalyptus robusta</i>	Swamp Mahogany	283826.979	6263525.63	1	39	49	4.7	68.81	2.5	10-15	<5	Fair	Poor	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
149	NA	<i>Eucalyptus robusta</i>	Swamp Mahogany	283822.1839	6263524.568	1	44	57	5.3	87.58	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Epicormic growth, Suppressed	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
150	149	<i>Eucalyptus robusta</i>	Swamp Mahogany	283804.256	6263519.809	1	57	73	6.9	149.20	2.9	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth	Amenity value/shade, Significant habitat - nests/hollows	Stick nest at 1m with eggs.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
151	150	<i>Eucalyptus robusta</i>	Swamp Mahogany	283815.988	6263523.168	1	29	35	3.5	38.05	2.1	5-10	5-10	Good	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
152	151	<i>Eucalyptus robusta</i>	Swamp Mahogany	283813.208	6263522.695	1	45	54	5.4	91.61	2.6	10-15	5-10	Fair	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
153	153	<i>Eucalyptus robusta</i>	Swamp Mahogany	283807.359	6263521.131	1	50	61	6.0	113.10	2.7	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Dieback, Epicormic growth, Poor pruning	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
154	154	<i>Eucalyptus robusta</i>	Swamp Mahogany	283804.506	6263520.435	1	35	44	4.2	55.42	2.3	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Poor pruning, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
155	155	<i>Eucalyptus robusta</i>	Swamp Mahogany	283801.462	6263519.843	1	49	62	5.9	108.62	2.7	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
156	156	<i>Eucalyptus robusta</i>	Swamp Mahogany	283798.659	6263518.434	1	37	48	4.4	61.93	2.4	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)		Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
157	157	<i>Eucalyptus robusta</i>	Swamp Mahogany	283795.609	6263517.735	1	48	62	5.8	104.23	2.7	10-15	5-10	Good	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
158	158	<i>Eucalyptus robusta</i>	Swamp Mahogany	283792.779	6263516.952	1	39	44	4.7	68.81	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
159	159	<i>Eucalyptus robusta</i>	Swamp Mahogany	283790.122	6263516.53	1	40	48	4.8	72.38	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
160	161	<i>Casuarina cunninghamiana</i>	River She-oak	283785.54	6263514.66	1	41	48	4.9	76.05	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth, Poor pruning	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
161	162	<i>Casuarina cunninghamiana</i>	River She-oak	283782.449	6263513.846	1	53	55	6.4	127.08	2.6	10-15	5-10	Good	Poor	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
162	163	<i>Eucalyptus robusta</i>	Swamp Mahogany	283778.139	6263514.051	1	45	53	5.4	91.61	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Poor pruning	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
163	164	<i>Eucalyptus robusta</i>	Swamp Mahogany	283775.791	6263512.992	1	34	40	4.1	52.30	2.3	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
164	165	<i>Eucalyptus robusta</i>	Swamp Mahogany	283772.811	6263512.686	1	46	50	5.5	95.73	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
165	166	<i>Eucalyptus robusta</i>	Swamp Mahogany	283769.075	6263511.556	1	40	47	4.8	72.38	2.4	15-20	<5	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Poor pruning	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
166	167	<i>Eucalyptus robusta</i>	Swamp Mahogany	283766.85	6263511.572	1	42	49	5.0	79.80	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
167	168	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283763.618	6263510.043	1	42	47	5.0	79.80	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
168	169	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283758.344	6263508.665	1	54	66	6.5	131.92	2.8	20-30	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Epicormic growth, Wound(s)	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
169	170	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283754.833	6263507.94	1	45	57	5.4	91.61	2.6	20-30	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Hanger(s), Previous failure(s)	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
170	171	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283749.514	6263506.491	1	46	56	5.5	95.73	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
171	172	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283746.714	6263505.538	1	45	54	5.4	91.61	2.6	20-30	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
172	173	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283740.68	6263504.151	1	69	82	8.3	215.38	3.0	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Deadwood/stubs > 30mm, Epicormic growth, Wound(s)	Amenity value/shade	25% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
173	10166	<i>Cinnamomum camphora</i>	Camphor Laurel	283736.342	6263502.842	1	50	55	6.0	113.10	2.6	5-10	5-10	Good	Fair	Semi-Mature	Long (>40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
174	174	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283731.254	6263503.015	1	52	57	6.2	122.33	2.6	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Crossing/rubbing branches, Epicormic growth, Wound(s)	Amenity value/shade	22% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
175	175	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283722.586	6263499.691	1	44	46	5.3	87.58	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 100mm, Epicormic growth, Previous failure(s), Wound(s)	Amenity value/shade	23% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
176	176	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283719.743	6263498.953	1	47	64	5.6	99.93	2.7	20-30	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Epicormic growth, Wound(s)	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
177	177	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283713.758	6263496.9	1	46	69	5.5	95.73	2.8	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth, Hanger(s)	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
178	NA	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283710.4263	6263495.783	1	31	37	3.7	43.47	2.2	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Epicormic growth, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
179	178	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283702.667	6263494.407	1	52	53	6.3	123.05	2.5	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Suppressed	Amenity value/shade	24% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
180	10163	<i>Cinnamomum camphora</i>	Camphor Laurel	283697.001	6263493.042	3	45	60	5.4	91.61	2.7	5-10	<5	Fair	Fair	Semi-Mature	Long (>40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
181	179	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283695.642	6263497.927	1	44	45	5.3	87.58	2.4	10-15	5-10	Poor	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
182	180	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283690.924	6263498.147	1	53	52	6.4	127.08	2.5	10-15	5-10	Poor	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
183	10161	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283687.809	6263499.478	1	30	30	3.6	40.72	2.0	5-10	5-10	Dead	Fair	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
184	181	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283687.647	6263501.71	1	63	51	7.6	179.55	2.5	10-15	5-10	Dead	Fair	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
185	10160	<i>Cinnamomum camphora</i>	Camphor Laurel	283683.796	6263501.337	3	60	70	7.2	162.86	2.8	5-10	5-10	Fair	Fair	Semi-Mature	Long (>40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
186	182	<i>Eucalyptus robusta</i>	Swamp Mahogany	283683.538	6263503.803	1	48	57	5.8	104.23	2.6	10-15	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade	22% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
187	183	<i>Eucalyptus robusta</i>	Swamp Mahogany	283681.194	6263505.457	1	49	60	5.9	108.62	2.7	10-15	5-10	Good	Fair	Semi-Mature	Long (>40)	Deadwood/stubs < 30mm, Dieback, Epicormic growth	Amenity value/shade	22% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
188	10159	<i>Eucalyptus robusta</i>	Swamp Mahogany	283676.36	6263506.859	1	65	72	7.8	191.13	2.9	10-15	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Dieback, Epicormic growth, Poor pruning	Amenity value/shade	29% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
189	184	<i>Eucalyptus robusta</i>	Swamp Mahogany	283672.913	6263510.984	1	36	47	4.3	58.63	2.4	5-10	5-10	Fair	Fair	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
190	185	<i>Eucalyptus robusta</i>	Swamp Mahogany	283668.235	6263514.128	1	48	59	5.8	104.23	2.7	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
191	186	<i>Eucalyptus robusta</i>	Swamp Mahogany	283663.104	6263517.656	1	37	42	4.4	61.93	2.3	5-10	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
192	187	<i>Eucalyptus robusta</i>	Swamp Mahogany	283660.397	6263519.045	1	50	24	6.0	113.10	1.8	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Hanger(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
193	188	<i>Eucalyptus robusta</i>	Swamp Mahogany	283658.533	6263521.244	1	45	62	5.4	91.61	2.7	10-15	5-10	Poor	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
194	10157	<i>Eucalyptus robusta</i>	Swamp Mahogany	283654.463	6263523.967	1	27	36	3.2	32.98	2.2	10-15	<5	Fair	Fair	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
195	189	<i>Eucalyptus robusta</i>	Swamp Mahogany	283653.713	6263524.882	1	46	63	5.5	95.73	2.7	10-15	10-15	Good	Fair	Semi-Mature	Long (>40)	Deadwood/stubs < 30mm, Epicormic growth, Hanger(s), Previous failure(s), Wound(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
196	190	<i>Eucalyptus robusta</i>	Swamp Mahogany	283650.444	6263526.333	1	36	40	4.3	58.63	2.3	5-10	<5	Good	Poor	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
197	10156	<i>Cinnamomum camphora</i>	Camphor Laurel	283647.235	6263527.874	2	45	60	5.4	91.61	2.7	5-10	5-10	Fair	Fair	Semi-Mature	Long (>40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
198	191	<i>Eucalyptus robusta</i>	Swamp Mahogany	283646.248	6263529.735	1	55	74	6.6	136.85	2.9	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Included bark, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
199	192	<i>Eucalyptus robusta</i>	Swamp Mahogany	283640.683	6263533.399	1	63	81	7.6	179.55	3.0	15-20	10-15	Fair	Poor	Semi-Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 60mm, Decay, Dieback, Epicormic growth, Fungal fruiting body(s), Wound(s)	Amenity value/shade		Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
200	193	<i>Eucalyptus robusta</i>	Swamp Mahogany	283639.151	6263536.022	1	62	69	7.4	173.90	2.8	10-15	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Mechanical damage, Previous failure(s), Wound(s)	Amenity value/shade	25% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
201	10155	<i>Eucalyptus robusta</i>	Swamp Mahogany	283636.939	6263538.621	1	40	50	4.8	72.38	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth, Poor pruning	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
202	NA	<i>Eucalyptus robusta</i>	Swamp Mahogany	283633.8362	6263538.326	1	49	59	5.9	108.62	2.7	10-15	5-10	Fair	Poor	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
203	194	<i>Eucalyptus robusta</i>	Swamp Mahogany	283631.288	6263541.396	1	49	69	5.9	108.62	2.8	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Poor pruning, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
204	195	<i>Eucalyptus robusta</i>	Swamp Mahogany	283628.404	6263542.453	1	60	72	7.2	162.86	2.9	10-15	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Hanger(s), Previous failure(s), Suppressed, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
205	10154	<i>Casuarina glauca</i>	Swamp She-oak	283623.993	6263545.442	1	56	85	6.7	139.70	3.1	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth, Included bark, Previous failure(s), Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
206	454	<i>Casuarina glauca</i>	Swamp She-oak	283618.951	6263548.076	1	37	51	4.4	61.93	2.5	10-15	<5	Good	Fair	Semi-Mature	Medium (15-40)	Mechanical damage, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
207	453	<i>Casuarina glauca</i>	Swamp She-oak	283616.152	6263550.435	1	62	77	7.4	173.90	3.0	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Epicormic growth, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
208	239	<i>Casuarina glauca</i>	Swamp She-oak	283612.809	6263554.269	1	55	73	6.6	136.85	2.9	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Epicormic growth, Suckers, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
209	452	<i>Casuarina glauca</i>	Swamp She-oak	283610.966	6263555.257	1	48	57	5.8	104.23	2.6	10-15	5-10	Good	Fair	Mature	Medium (15-40)	Epicormic growth, Previous failure(s), Suckers	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
210	451	<i>Casuarina glauca</i>	Swamp She-oak	283608.39	6263557.033	1	41	54	4.9	76.05	2.6	10-15	<5	Dead	Poor	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
211	240	<i>Casuarina cunninghamiana</i>	River She-oak	283608.702	6263559.008	1	53	72	6.4	127.08	2.9	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
212	241	<i>Casuarina cunninghamiana</i>	River She-oak	283601.783	6263563.068	1	63	83	7.6	179.55	3.1	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Borers/termites, Crossing/rubbing branches, Deadwood/stubs > 30mm, Hanger(s), Previous failure(s), Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
213	242	<i>Casuarina glauca</i>	Swamp She-oak	283589.662	6263571.042	1	51	65	6.1	117.67	2.8	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Suckers, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
214	243	<i>Eucalyptus camaldulensis</i>	River Red Gum	283528.934	6263623.672	1	72	88	8.6	234.52	3.1	10-15	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 60mm, Epicormic growth, Excessive end weight, Poor pruning, Suppressed	Amenity value/shade	16% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
215	10092	<i>Eucalyptus camaldulensis</i>	River Red Gum	283522.404	6263627.744	1	70	80	8.4	221.67	3.0	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Hanger(s), Suppressed, Wound(s)	Amenity value/shade	17% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
216	10090	<i>Eucalyptus camaldulensis</i>	River Red Gum	283519.678	6263629.317	1	72	71	8.6	234.52	2.9	10-15	5-10	Fair	Poor	Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
217	10089	<i>Schinus areira</i>	Peppercorn	283518.197	6263627.922	1	32	34	3.8	46.32	2.1	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Parasitic plant/mistletoe, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
218	244	<i>Eucalyptus camaldulensis</i>	River Red Gum	283517.917	6263630.651	1	50	60	6.0	113.10	2.7	15-20	5-10	Fair	Poor	Mature	Medium (15-40)	Borers/termites, Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s), Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
219	10093	<i>Eucalyptus camaldulensis</i>	River Red Gum	283515.242	6263633.258	1	35	41	4.2	55.42	2.3	10-15	<5	Dead	Poor	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
220	10194	<i>Eucalyptus camaldulensis</i>	River Red Gum	283514.112	6263633.676	1	63	56	7.6	179.55	2.6	15-20	10-15	Dead	Poor	Mature	Dead				Remove	Remove tree irrespective of future development.
221	245	<i>Eucalyptus camaldulensis</i>	River Red Gum	283511.581	6263633.758	1	71	83	8.5	228.05	3.1	20-30	10-15	Fair	Good	Mature	Long (>40)	Deadwood/stubs > 30mm, Dieback, Previous failure(s), Resin exudation/kino	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
222	10193	<i>Eucalyptus camaldulensis</i>	River Red Gum	283508.675	6263636.636	1	41	38	4.9	76.05	2.2	5-10	<5	Fair	Fair	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
223	10192	<i>Eucalyptus camaldulensis</i>	River Red Gum	283506.801	6263638.538	1	36	39	4.3	58.63	2.2	10-15	5-10	Poor	Fair	Semi-Mature	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
224	246	<i>Eucalyptus camaldulensis</i>	River Red Gum	283504.388	6263639.595	1	68	68	8.2	209.18	2.8	15-20	15-20	Fair	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
225	247	<i>Eucalyptus camaldulensis</i>	River Red Gum	283503.505	6263641.888	1	54	67	6.4	129.97	2.8	10-15	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
226	NA	<i>Eucalyptus camaldulensis</i>	River Red Gum	283497.095	6263643.36	1	87	94	10.4	342.41	3.2	15-20	15-20	Fair	Fair	Mature	Medium (15-40)	Borers/termites, Co-dominant stems, Deadwood/stubs > 60mm, Dieback, Epicormic growth, Poor pruning, Wound(s)	Amenity value/shade	Reduce terminal length of wounded southern main stem by 4m.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
227	378	<i>Eucalyptus camaldulensis</i>	River Red Gum	283489.99	6263652.958	1	44	41	5.3	87.99	2.3	10-15	10-15	Fair	Poor	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
228	377	<i>Eucalyptus camaldulensis</i>	River Red Gum	283487.673	6263653.557	1	84	82	10.0	316.17	3.0	15-20	15-20	Good	Fair	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth, Previous failure(s), Wound(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
229	376	<i>Eucalyptus camaldulensis</i>	River Red Gum	283478.181	6263658.236	1	66	78	7.9	197.06	3.0	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 100mm, Dieback, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
230	NA	<i>Eucalyptus camaldulensis</i>	River Red Gum	283475.4531	6263660.56	1	20	24	2.4	18.10	1.8	5-10	<5	Fair	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
231	10195	<i>Eucalyptus camaldulensis</i>	River Red Gum	283471.699	6263664.484	1	43	40	5.2	85.28	2.3	5-10	5-10	Fair	Poor	Semi-Mature	Short (<1-15)				Remove	Remove tree irrespective of future development.
232	10197	<i>Eucalyptus camaldulensis</i>	River Red Gum	283471.699	6263664.484	1	60	69	7.2	162.86	2.8	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Suppressed, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
233	375	<i>Eucalyptus camaldulensis</i>	River Red Gum	283469.038	6263666.727	1	61	79	7.3	168.33	3.0	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm, Dieback	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
234	10196	<i>Eucalyptus camaldulensis</i>	River Red Gum	283466.508	6263668.519	1	44	50	5.3	87.58	2.5	15-20	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 80mm, Dieback, Epicormic growth	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
235	10198	<i>Eucalyptus camaldulensis</i>	River Red Gum	283464.06	6263670.371	1	48	56	5.8	104.23	2.6	10-15	5-10	Fair	Poor	Semi-Mature	Short (<1-15)				Remove	Remove tree irrespective of future development.
236	373	<i>Eucalyptus camaldulensis</i>	River Red Gum	283459.105	6263673.388	1	53	67	6.4	127.08	2.8	15-20	10-15	Good	Good	Mature	Long (>40)				High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
237	NA	<i>Eucalyptus camaldulensis</i>	River Red Gum	283453.394	6263679.012	1	37	37	4.4	61.93	2.2	5-10	5-10	Fair	Fair	Juvenile	Medium (15-40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
238	374	<i>Eucalyptus camaldulensis</i>	River Red Gum	283450.634	6263677.323	1	39	44	4.7	68.81	2.3	15-20	5-10	Fair	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 60mm, Epicormic growth	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
239	265	<i>Eucalyptus camaldulensis</i>	River Red Gum	283450.211	6263680.801	1	77	87	9.2	268.22	3.1	20-30	15-20	Good	Poor	Mature	Short (<1-15)	Deadwood/stubs > 30mm, Decay, Fungal fruiting body(s), Included bark, Wound(s)			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
240	10199	<i>Eucalyptus camaldulensis</i>	River Red Gum	283447.264	6263681.053	1	29	33	3.5	38.05	2.1	10-15	10-15	Fair	Fair	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
241	441	<i>Eucalyptus camaldulensis</i>	River Red Gum	283443.118	6263685.659	1	43	47	5.2	83.65	2.4	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth, Suppressed	Amenity value/shade	80% TPZ covered fill	High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
242	252	<i>Eucalyptus camaldulensis</i>	River Red Gum	283436.873	6263690.556	1	73	78	8.8	241.08	3.0	20-30	15-20	Good	Fair	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth, Previous failure(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
243	442	<i>Casuarina cunninghamiana</i>	River She-oak	283434.551	6263692.327	1	45	55	5.4	91.61	2.6	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Hanger(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
244	10206	<i>Casuarina cunninghamiana</i>	River She-oak	283431.265	6263695.355	1	44	60	5.3	87.58	2.7	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
245	10205	<i>Casuarina cunninghamiana</i>	River She-oak	283428.816	6263695.262	1	51	61	6.1	117.67	2.7	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Included bark, Suckers	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
246	10204	<i>Casuarina glauca</i>	Swamp She-oak	283424.858	6263695.096	18	17	26	2.0	13.07	1.9	5-10	<5	Good	Good	Juvenile	Long (>40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
247	NA	<i>Schinus areira</i>	Peppercorn	283452.7413	6263678.92	1	18	23	2.2	14.66	1.8	<5	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
248	10200	<i>Eucalyptus camaldulensis</i>	River Red Gum	283445.568	6263684.428	1	19	26	2.3	16.33	1.9	5-10	<5	Fair	Fair	Juvenile	Medium (15-40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
249	10203	<i>Melia azedarach</i>	White Cedar	283436.692	6263690.855	1	20	26	2.4	18.10	1.9	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
250	10201	<i>Melia azedarach</i>	White Cedar	283433.541	6263688.83	1	17	21	2.0	13.07	1.7	5-10	<5	Good	Good	Juvenile	Medium (15-40)			Possibly misallocated with tree 51 on plans?	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
251	397	<i>Casuarina glauca</i>	Swamp She-oak	283536	6263665.791	1	55	64	6.6	136.85	2.7	15-20	5-10	Good	Fair	Mature	Long (>40)		Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
252	NA	<i>Casuarina glauca</i>	Swamp She-oak	283535.1237	6263665.977	1	53	60	6.4	127.08	2.7	15-20	5-10	Good	Fair	Mature	Long (>40)	Co-dominant stems, Previous failure(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
253	NA	<i>Casuarina glauca</i>	Swamp She-oak	283531.44	6263666.366	1	30	40	3.6	40.72	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Epicormic growth, Poor pruning	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
254	10137	<i>Casuarina glauca</i>	Swamp She-oak	283529.211	6263671.618	1	29	36	3.5	38.05	2.2	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
255	10138	<i>Cinnamomum camphora</i>	Camphor Laurel	283530.559	6263672.643	1	21	31	2.5	19.95	2.0	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
256	396	<i>Casuarina glauca</i>	Swamp She-oak	283531.393	6263667.2	1	46	51	5.5	95.73	2.5	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
257	395	<i>Casuarina glauca</i>	Swamp She-oak	283528.204	6263669.527	1	38	52	4.6	65.33	2.5	15-20	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
258	394	<i>Casuarina glauca</i>	Swamp She-oak	283529.885	6263673.114	1	17	21	2.0	13.07	1.7	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
259	393	<i>Casuarina glauca</i>	Swamp She-oak	283526.525	6263673.195	1	29	40	3.5	38.05	2.3	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
260	391	<i>Casuarina glauca</i>	Swamp She-oak	283527.934	6263676.203	1	45	58	5.4	91.61	2.6	15-20	5-10	Poor	Fair	Mature	Short (<1-15)			Limited TLE, advanced decline.	Remove	Remove tree irrespective of future development.
261	392	<i>Casuarina glauca</i>	Swamp She-oak	283523.318	6263673.408	1	45	59	5.4	91.61	2.7	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
262	390	<i>Casuarina glauca</i>	Swamp She-oak	283524.504	6263676.186	1	34	45	4.1	52.30	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
263	388	<i>Casuarina glauca</i>	Swamp She-oak	283521.263	6263676.366	1	33	39	4.0	49.27	2.2	10-15	<5	Good	Fair	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
264	389	<i>Casuarina glauca</i>	Swamp She-oak	283523.598	6263678.433	1	42	54	5.0	79.80	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
265	NA	<i>Casuarina glauca</i>	Swamp She-oak	283524.969	6263680.53	1	19	24	2.3	16.33	1.8	5-10	<5	Dead	Fair	Juvenile	Dead			Dead tree.	Remove	Remove tree irrespective of future development.
266	NA	<i>Cinnamomum camphora</i>	Camphor Laurel	283523.366	6263681.328	1	15	21	2.0	12.57	1.7	5-10	<5	Poor	Fair	Juvenile	Short (<1-15)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
267	NA	<i>Casuarina glauca</i>	Swamp She-oak	283518.251	6263681.175	1	40	41	4.8	72.38	2.3	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
268	387	<i>Casuarina glauca</i>	Swamp She-oak	283516.543	6263679.318	1	45	51	5.4	91.61	2.5	15-20	5-10	Good	Fair	Semi-Mature	Long (>40)		Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
269	NA	<i>Cinnamomum camphora</i>	Camphor Laurel	283518.048	6263679.905	1	27	29	3.2	33.02	2.0	5-10	<5	Good	Fair	Juvenile	Medium (15-40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
270	386	<i>Casuarina glauca</i>	Swamp She-oak	283513.25	6263680.247	1	20	30	2.4	18.10	2.0	10-15	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
271	385	<i>Casuarina glauca</i>	Swamp She-oak	283511.901	6263681.186	1	28	37	3.4	35.47	2.2	15-20	<5	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
272	384	<i>Cinnamomum camphora</i>	Camphor Laurel	283509.867	6263685.437	1	15	19	2.0	12.57	1.6	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
273	371	<i>Cinnamomum camphora</i>	Camphor Laurel	283509.634	6263688.362	1	22	28	2.6	21.90	1.9	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
274	10234	<i>Casuarina glauca</i>	Swamp She-oak	283510	6263685.883	1	51	59	6.1	117.67	2.7	15-20	5-10	Fair	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
275	369	<i>Syagrus romanzoffiana</i>	Cocos Palm	283516.819	6263700.909	3	30	35	3.6	40.72	2.1	5-10	<5	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
276	10233	<i>Cinnamomum camphora</i>	Camphor Laurel	283511.545	6263697.752	1	19	35	2.3	16.51	2.1	5-10	<5	Good	Fair	Juvenile	Medium (15-40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
277	370	<i>Casuarina cunninghamiana</i>	River She-oak	283511.435	6263700.914	1	41	50	4.9	76.05	2.5	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
278	10232	<i>Celtis sinensis</i>	Chinese Hackberry	283509.195	6263701.426	1	21	24	2.5	19.95	1.8	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
279	366	<i>Casuarina cunninghamiana</i>	River She-oak	283511.426	6263706.536	1	42	45	5.0	79.80	2.4	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
280	365	<i>Casuarina cunninghamiana</i>	River She-oak	283515.403	6263706.724	1	40	53	4.8	72.38	2.5	15-20	5-10	Fair	Good	Semi-Mature	Medium (15-40)	Dieback	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
281	NA	<i>Syagrus romanzoffiana</i>	Cocos Palm	283518.916	6263711.658	1	35	40	4.2	55.42	2.3	5-10	<5	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
282	NA	Casuarina cunninghamiana	River She-oak	283518.309	6263710.906	1	15	20	2.0	12.57	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
283	364	Casuarina cunninghamiana	River She-oak	283511.204	6263712.124	1	50	55	6.0	113.10	2.6	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
284	363	Casuarina cunninghamiana	River She-oak	283514.326	6263715.374	1	41	52	4.9	76.05	2.5	15-20	5-10	Fair	Good	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
285	362	Casuarina cunninghamiana	River She-oak	283510.449	6263718.225	1	38	45	4.6	65.33	2.4	10-15	<5	Fair	Good	Semi-Mature	Medium (15-40)	Dieback	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
286	359	Casuarina cunninghamiana	River She-oak	283510.73	6263723.417	1	55	62	6.6	136.85	2.7	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
287	361	Syagrus romanzoffiana	Cocos Palm	283515.256	6263721.428	2	34	45	4.1	52.30	2.4	5-10	<5	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
288	NA	Salix babylonica	Weeping Willow	283528.6254	6263723.636	1	55	65	6.6	136.85	2.8	10-15	15-20	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Hanger(s), Previous failure(s)	Amenity value/shade	Tree locates on island.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
289	NA	Salix babylonica	Weeping Willow	283533.8037	6263731.409	1	55	65	6.6	136.85	2.8	10-15	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade	Tree locates on island.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
290	358	Casuarina glauca	Swamp She-oak	283510.192	6263725.097	1	46	57	5.5	95.73	2.6	15-20	5-10	Good	Good	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Suckers	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
291	357	Casuarina glauca	Swamp She-oak	283511.649	6263728.702	1	31	41	3.7	43.47	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
292	356	Casuarina glauca	Swamp She-oak	283515.972	6263732.178	1	28	34	3.4	35.47	2.1	10-15	<5	Good	Fair	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
293	351	Casuarina glauca	Swamp She-oak	283509.679	6263734.611	3	32	39	3.8	46.32	2.2	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
294	352	Casuarina glauca	Swamp She-oak	283509.655	6263733.425	1	57	82	6.8	144.86	3.0	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
295	353	Casuarina glauca	Swamp She-oak	283514.84	6263737.709	1	41	56	4.9	76.05	2.6	15-20	<5	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
296	10231	Casuarina glauca	Swamp She-oak	283513.388	6263741.322	1	47	60	5.6	99.93	2.7	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Dieback	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
297	10230	Casuarina glauca	Swamp She-oak	283517.752	6263742.138	1	42	52	5.0	79.80	2.5	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
298	348	Casuarina glauca	Swamp She-oak	283515.76	6263746.725	1	46	60	5.5	95.73	2.7	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
299	10229	Casuarina glauca	Swamp She-oak	283518.131	6263749.632	1	45	50	5.4	91.61	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Previous failure(s), Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
300	350	Syagrus romanzoffiana	Cocos Palm	283523.311	6263748.871	4	27	35	3.2	32.98	2.1	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
301	345	Casuarina glauca	Swamp She-oak	283518.157	6263753.489	1	36	44	4.3	58.63	2.3	15-20	<5	Good	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
302	10227	Casuarina glauca	Swamp She-oak	283521.904	6263753.196	1	35	47	4.2	55.42	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
303	10228	Casuarina glauca	Swamp She-oak	283521.777	6263755.036	3	14	17	2.0	12.57	1.6	10-15	<5	Good	Fair	Juvenile	Long (>40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
304	349	Casuarina glauca	Swamp She-oak	283522.864	6263758.123	1	48	59	5.8	104.23	2.7	10-15	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
305	306	Casuarina glauca	Swamp She-oak	283497.603	6263788.227	1	46	55	5.5	95.73	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade	70% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
306	290	Casuarina glauca	Swamp She-oak	283498.454	6263786.518	1	30	35	3.6	40.72	2.1	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
307	291	Casuarina glauca	Swamp She-oak	283499.126	6263785.417	2	17	25	2.0	13.12	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
308	286	Eucalyptus tereticornis	Forest Red Gum	283500.933	6263785.041	1	51	53	6.1	117.67	2.5	20-30	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
309	285	Casuarina glauca	Swamp She-oak	283498.811	6263782.814	1	39	46	4.7	68.81	2.4	15-20	5-10	Good	Good	Semi-Mature	Long (>40)	Previous failure(s)	Amenity value/shade	20% TPZ excavated for levels, compensatory area available	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
310	10223	Casuarina glauca	Swamp She-oak	283499.592	6263782.631	1	30	44	3.6	40.72	2.3	15-20	<5	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade	70% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
311	287	Casuarina glauca	Swamp She-oak	283495.999	6263781.84	1	40	50	4.8	72.38	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Included bark	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
312	289	Eucalyptus robusta	Swamp Mahogany	283495.934	6263783.343	1	45	55	5.4	91.61	2.6	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s), Wound(s)	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
313	10224	Casuarina glauca	Swamp She-oak	283501.487	6263781.654	1	36	48	4.3	58.63	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
314	10226	Casuarina glauca	Swamp She-oak	283503.826	6263781.84	3	18	23	2.2	14.66	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
315	10225	Eucalyptus robusta	Swamp Mahogany	283502.338	6263778.659	1	34	34	4.1	52.30	2.1	5-10	10-15	Good	Poor	Semi-Mature	Medium (15-40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
316	288	Casuarina glauca	Swamp She-oak	283493.807	6263783.171	1	35	40	4.2	55.42	2.3	15-20	<5	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
317	303	Casuarina glauca	Swamp She-oak	283492.722	6263779.771	1	25	30	3.0	28.27	2.0	10-15	<5	Good	Fair	Juvenile	Medium (15-40)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
318	10129	Casuarina glauca	Swamp She-oak	283499.403	6263774.911	1	46	61	5.5	95.73	2.7	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade	20% TPZ excavated for levels, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
319	294	Eucalyptus tereticornis	Forest Red Gum	283492.896	6263775.845	1	30	35	3.6	40.72	2.1	15-20	5-10	Poor	Fair	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
320	295	Casuarina glauca	Swamp She-oak	283486.554	6263772.857	8	20	25	2.4	18.10	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
321	297	Eucalyptus robusta	Swamp Mahogany	283484.746	6263774.129	1	45	50	5.4	91.61	2.5	15-20	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s)	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
322	292	Casuarina glauca	Swamp She-oak	283497.877	6263774.414	1	30	40	3.6	40.72	2.3	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
323	293	Casuarina glauca	Swamp She-oak	283498.071	6263771.622	1	35	41	4.2	55.42	2.3	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
324	10130	Eucalyptus robusta	Swamp Mahogany	283497.651	6263768.554	1	31	39	3.7	43.47	2.2	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
325	344	Cinnamomum camphora	Camphor Laurel	283502.278	6263765.603	1	68	90	8.2	209.18	3.2	15-20	10-15	Good	Fair	Mature	Medium (15-40)			60% TPZ excavated for levels	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
326	10131	Casuarina glauca	Swamp She-oak	283498.077	6263764.338	1	36	54	4.3	58.63	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
327	341	Casuarina glauca	Swamp She-oak	283493.134	6263759.141	2	20	33	2.4	17.73	2.1	10-15	5-10	Good	Fair	Juvenile	Medium (15-40)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
328	10132	Casuarina glauca	Swamp She-oak	283497.568	6263764.221	1	47	60	5.6	99.93	2.7	20-30	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Previous failure(s)	Amenity value/shade	20% TPZ excavated for levels, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
329	10133	Casuarina glauca	Swamp She-oak	283496.913	6263762.525	1	30	44	3.6	40.72	2.3	10-15	5-10	Fair	Hazardous	Semi-Mature	Short (<1-15)	Crack(s)/split(s)		30% TPZ excavated for levels	Remove	Remove tree irrespective of future development.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
330	343	Casuarina glauca	Swamp She-oak	283497.542	6263758.196	1	51	66	6.1	117.67	2.8	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade	60% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
331	342	Casuarina glauca	Swamp She-oak	283497.039	6263758.656	2	25	30	3.0	28.27	2.0	10-15	5-10	Good	Good	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
332	340	Casuarina glauca	Swamp She-oak	283491.004	6263752.473	30	15	20	2.0	12.57	1.7	5-10	<5	Good	Good	Juvenile	Medium (15-40)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
333	10134	Casuarina glauca	Swamp She-oak	283493.36	6263754.775	1	16	39	2.0	12.57	2.2	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
334	10135	Eucalyptus robusta	Swamp Mahogany	283493.694	6263753.234	1	36	39	4.3	58.63	2.2	15-20	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Pests/insects	Amenity value/shade	60% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
335	10136	Casuarina glauca	Swamp She-oak	283491.615	6263753.907	1	47	50	5.6	98.89	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
336	NA	Dead Tree	Dead Tree	283486.5535	6263753.402	1	25	30	3.0	28.27	2.0	10-15	5-10	Dead	Poor	Juvenile	Dead			Not tagged.	Remove	Remove tree irrespective of future development.
337	339	Eucalyptus robusta	Swamp Mahogany	283487.755	6263747.525	1	27	32	3.2	32.98	2.1	15-20	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth, Suppressed	Amenity value/shade	50% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
338	NA	Casuarina glauca	Swamp She-oak	283484.547	6263748.447	1	67	77	8.0	200.23	3.0	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
339	337	Casuarina glauca	Swamp She-oak	283484.255	6263743.756	1	32	46	3.8	46.32	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
340	338	Casuarina glauca	Swamp She-oak	283485.522	6263743.82	1	33	41	3.9	48.54	2.3	10-15	<5	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade	40% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
341	336	Celtis sinensis	Chinese Hackberry	283481.617	6263739.106	1	16	24	2.0	12.57	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
342	335	Eucalyptus robusta	Swamp Mahogany	283478.023	6263740.764	1	32	45	3.8	46.32	2.4	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
343	282	Casuarina cunninghamiana	River She-oak	283477.53	6263740.577	1	51	65	6.1	117.67	2.8	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
344	281	Casuarina glauca	Swamp She-oak	283474.651	6263738.696	1	33	46	4.0	49.27	2.4	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
345	334	Casuarina glauca	Swamp She-oak	283469.974	6263733.118	1	46	57	5.5	95.73	2.6	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
346	280	Casuarina glauca	Swamp She-oak	283473.544	6263736.462	3	19	23	2.3	16.33	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
347	275	Casuarina glauca	Swamp She-oak	283468.463	6263733.947	1	53	63	6.4	127.08	2.7	20-30	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
348	276	Casuarina cunninghamiana	River She-oak	283466.789	6263731.94	1	41	53	4.9	76.05	2.5	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
349	333	Celtis sinensis	Chinese Hackberry	283467.026	6263731.798	4	19	26	2.3	16.33	1.9	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
350	279	Casuarina cunninghamiana	River She-oak	283465.727	6263727.008	1	28	36	3.4	35.47	2.2	15-20	<5	Fair	Fair	Semi-Mature	Medium (15-40)	Dieback	Amenity value/shade	50% TPZ covered fill	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
351	278	Eucalyptus tereticornis	Forest Red Gum	283464.536	6263730.38	1	26	27	3.1	30.58	1.9	10-15	5-10	Fair	Fair	Juvenile	Short (<1-15)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
352	260	Eucalyptus robusta	Swamp Mahogany	283466.453	6263725.249	1	65	70	7.8	191.13	2.8	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Dieback, Epicormic growth, Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
353	332	Casuarina cunninghamiana	River She-oak	283463.471	6263725.47	1	45	66	5.4	91.61	2.8	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Previous failure(s)	Amenity value/shade	50% TPZ covered fill	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
354	262	Casuarina cunninghamiana	River She-oak	283461.489	6263720.961	1	35	49	4.2	55.42	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
355	331	Dead Tree	Dead Tree	283466.398	6263724.101	1	35	42	4.2	55.42	2.3	10-15	<5	Dead	Poor	Juvenile	Dead			Dead tree, remove.	Remove	Remove tree irrespective of future development.
356	277	Eucalyptus tereticornis	Forest Red Gum	283466.027	6263725.035	1	17	20	2.0	13.07	1.7	5-10	<5	Poor	Poor	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
357	326	Casuarina glauca	Swamp She-oak	283464.369	6263710.097	1	76	83	9.1	261.30	3.1	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark, Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
358	324	Casuarina glauca	Swamp She-oak	283466.863	6263709.718	1	40	46	4.8	72.38	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
359	328	Eucalyptus tereticornis	Forest Red Gum	283462.746	6263712.015	1	22	28	2.6	21.90	1.9	10-15	5-10	Fair	Fair	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
360	327	Casuarina glauca	Swamp She-oak	283462.948	6263710.363	1	18	23	2.1	14.34	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
361	264	Casuarina glauca	Swamp She-oak	283458.662	6263708.204	10	15	18	2.0	12.57	1.6	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
362	321	Casuarina glauca	Swamp She-oak	283462.895	6263705.886	1	30	40	3.6	40.72	2.3	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Hanger(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
363	323	Casuarina glauca	Swamp She-oak	283462.771	6263708.342	1	40	52	4.8	72.38	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
364	320	Casuarina glauca	Swamp She-oak	283468.026	6263706.424	1	42	46	5.0	79.80	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
365	325	Casuarina cunninghamiana	River She-oak	283467.39	6263710.162	1	34	50	4.1	52.30	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
366	NA	Casuarina cunninghamiana	River She-oak	283468.047	6263706.031	1	41	48	4.9	76.05	2.4	20-30	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
367	319	Casuarina cunninghamiana	River She-oak	283467.577	6263703.813	1	28	31	3.4	35.47	2.0	15-20	<5	Good	Fair							

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
380	311	Casuarina glauca	Swamp She-oak	283482.584	6263686.663	1	39	45	4.7	68.81	2.4	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
381	310	Salix babylonica	Weeping Willow	283485.785	6263688.497	1	44	45	5.3	87.58	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
382	380	Eucalyptus camaldulensis	River Red Gum	283484.352	6263682.223	1	36	40	4.3	58.63	2.3	15-20	5-10	Fair	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
383	NA	Casuarina glauca	Swamp She-oak	283483.019	6263684.853	1	15	18	2.0	12.57	1.6	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
384	NA	Casuarina glauca	Swamp She-oak	283486.3912	6263683.776	1	20	22	2.4	18.10	1.8	5-10	<5	Fair	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
385	309	Casuarina glauca	Swamp She-oak	283489.174	6263682.334	1	52	58	6.2	122.33	2.6	20-30	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
386	308	Melia azedarach	White Cedar	283492.72	6263682.68	1	24	30	2.9	26.06	2.0	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
387	381	Casuarina glauca	Swamp She-oak	283492.111	6263679.896	1	39	48	4.7	68.81	2.4	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Hanger(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
388	307	Cinnamomum camphora	Camphor Laurel	283494.145	6263679.438	1	25	28	3.0	27.60	1.9	10-15	<5	Good	Fair	Juvenile	Long (>40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
389	382	Casuarina glauca	Swamp She-oak	283494.109	6263678.382	1	50	58	6.0	113.10	2.6	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
390	NA	Cinnamomum camphora	Camphor Laurel	283495.203	6263678.358	1	23	31	2.8	23.93	2.0	10-15	5-10	Good	Fair	Juvenile	Long (>40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
391	383	Eucalyptus robusta	Swamp Mahogany	283496.161	6263676.33	1	70	81	8.4	223.53	3.0	10-15	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s), Suppressed, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
392	10095	Casuarina glauca	Swamp She-oak	283478.798	6263673.662	1	38	40	4.6	65.33	2.3	15-20	5-10	Fair	Fair	Semi-Mature	Short (<1-15)	Deadwood/stubs > 30mm, Dieback, Suppressed	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
393	NA	Cinnamomum camphora	Camphor Laurel	283477.336	6263674.521	2	14	16	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Long (>40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
394	NA	Eucalyptus robusta	Swamp Mahogany	283476.583	6263674.805	1	43	52	5.2	83.65	2.5	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
395	10096	Casuarina glauca	Swamp She-oak	283472.633	6263679.68	1	51	60	6.1	117.67	2.7	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
396	10094	Casuarina glauca	Swamp She-oak	283471.411	6263679.285	1	59	77	7.1	159.60	3.0	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
397	10097	Eucalyptus robusta	Swamp Mahogany	283469.097	6263680.013	2	25	38	3.0	28.27	2.2	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
398	10098	Eucalyptus robusta	Swamp Mahogany	283467.261	6263680.396	1	39	48	4.7	68.81	2.4	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
399	10103	Casuarina glauca	Swamp She-oak	283470.556	6263680.274	4	12	19	2.0	12.57	1.6	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
400	10101	Casuarina glauca	Swamp She-oak	283467.722	6263680.508	1	36	56	4.3	58.63	2.6	20-30	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
401	10102	Eucalyptus tereticornis	Forest Red Gum	283468.424	6263680.572	2	15	20	2.0	12.57	1.7	5-10	<5	Fair	Fair	Juvenile	Short (<1-15)			Not tagged.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
402	10099	Casuarina glauca	Swamp She-oak	283467.722	6263680.508	1	42	56	5.0	79.80	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Previous failure(s), Suppressed, Uncharacteristic flum	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
403	443	Casuarina glauca	Swamp She-oak	283463.494	6263684.173	1	44	58	5.3	87.58	2.6	20-30	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
404	250	Eucalyptus robusta	Swamp Mahogany	283461.308	6263685.749	1	40	48	4.8	72.38	2.4	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
405	10105	Casuarina glauca	Swamp She-oak	283460.956	6263684.374	1	31	43	3.7	43.47	2.3	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
406	10106	Casuarina glauca	Swamp She-oak	283457.177	6263684.665	1	65	63	7.8	190.23	2.7	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Hanger(s), Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
407	251	Casuarina glauca	Swamp She-oak	283455.07	6263688.439	1	55	60	6.6	136.85	2.7	20-30	5-10	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Previous failure(s)	Amenity value/shade	Not tagged.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
408	10109	Casuarina glauca	Swamp She-oak	283457.177	6263684.665	2	15	20	2.0	12.57	1.7	5-10	<5	Good	Good	Juvenile	Long (>40)			Not tagged.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
409	10108	Casuarina glauca	Swamp She-oak	283453.067	6263687.387	2	17	22	2.0	13.07	1.8	10-15	<5	Good	Good	Juvenile	Long (>40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
410	10111	Casuarina glauca	Swamp She-oak	283453.095	6263688.665	1	26	48	3.1	31.17	2.4	10-15	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
411	10110	Casuarina glauca	Swamp She-oak	283450.489	6263687.396	1	21	27	2.5	19.95	1.9	15-20	<5	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
412	10112	Casuarina glauca	Swamp She-oak	283442.522	6263693.708	3	15	19	2.0	12.57	1.6	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
413	10114	Casuarina glauca	Swamp She-oak	283441.558	6263694.638	6	20	25	2.4	18.10	1.8	10-15	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
414	10117	Casuarina cunninghamiana	River She-oak	283439.014	6263697.494	1	15	20	2.0	12.57	1.7	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
415	253	Eucalyptus robusta	Swamp Mahogany	283435.222	6263701.534	1	48	60	5.8	104.68	2.7	15-20	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
416	255	Casuarina glauca	Swamp She-oak	283434.168	6263708.957	20	15	20	2.0	12.57	1.7	5-10	<5	Fair	Good	Juvenile	Medium (15-40)			Not tagged.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
417	254	Eucalyptus robusta	Swamp Mahogany	283436.319	6263708.32	1	55	60	6.6	136.85	2.7	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)	Epicormic growth	Amenity value/shade	Not tagged.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
418	256	Eucalyptus tereticornis	Forest Red Gum	283435.522	6263709.875	1	25	30	3.0	28.27	2.0	10-15	5-10	Good	Good	Juvenile	Long (>40)		Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
419	257	Salix babylonica	Weeping Willow	283439.194	6263714.394	1	58	70	7.0	153.81	2.8	10-15	10-15	Poor	Fair	Mature	Short (<1-15)	Deadwood/stubs > 100mm, Dieback, Epicormic growth, Excessive thinning, Hanger(s), Previous failure(s)		Not tagged.	Remove	Remove tree irrespective of future development.
420	10211	Casuarina glauca	Swamp She-oak	283434.319	6263724.676	5	15	30	2.0	12.57	2.0	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
421	10210	Casuarina glauca	Swamp She-oak	283435.739	6263726.988	1	52	58	6.2	122.33	2.6	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
422	10209	Casuarina glauca	Swamp She-oak	283438.249	6263728.236	1	36	42	4.3	58.63	2.3	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
423	10207	Casuarina glauca	Swamp She-oak	283437.52	6263732.306	1	27	39	3.2	32.98	2.2	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
424	10208	Casuarina glauca	Swamp She-oak	283436.403	6263731.666	8	23	34	2.8	23.93	2.1	10-15	<5	Good	Good	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
425	10212	Casuarina glauca	Swamp She-oak	283440.648	6263733.202	1	41	53	4.9	76.05	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Included bark	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
426	10119	Casuarina glauca	Swamp She-oak	283444.863	6263723.078	1	43	60	5.2	83.65	2.7	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Hanger(s), Included bark	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
427	NA	Casuarina glauca	Swamp She-oak	283447.0326	6263719.874	1	35	40	4.2	56.55	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade	Not tagged. 60% TPZ covered fill	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
428	10118	<i>Eucalyptus robusta</i>	Swamp Mahogany	283445.683	6263723.293	1	40	50	4.8	72.38	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade	30% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
429	10120	<i>Casuarina glauca</i>	Swamp She-oak	283447.689	6263723.371	1	45	50	5.4	91.61	2.5	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade	Not tagged. 35% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
430	10121	<i>Casuarina glauca</i>	Swamp She-oak	283450.811	6263724.928	1	45	50	5.4	91.61	2.5	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade	Not tagged. 35% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
431	273	<i>Eucalyptus robusta</i>	Swamp Mahogany	283450.388	6263729.947	1	20	25	2.4	18.10	1.8	10-15	5-10	Good	Good	Juvenile	Long (>40)		Amenity value/shade	Not tagged.	High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
432	274	<i>Casuarina glauca</i>	Swamp She-oak	283455.096	6263729.286	1	45	50	5.4	91.61	2.5	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
433	272	<i>Eucalyptus robusta</i>	Swamp Mahogany	283451.874	6263731.144	1	32	42	3.8	46.32	2.3	15-20	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Epicormic growth	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
434	NA	<i>Casuarina glauca</i>	Swamp She-oak	283455.534	6263730.07	1	38	47	4.6	65.33	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
435	271	<i>Eucalyptus robusta</i>	Swamp Mahogany	283454.072	6263735.882	1	36	47	4.3	58.63	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
436	270	<i>Casuarina glauca</i>	Swamp She-oak	283455.981	6263737.27	1	45	50	5.4	91.61	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs > 30mm	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
437	267	<i>Casuarina glauca</i>	Swamp She-oak	283458.519	6263742.102	1	45	50	5.4	91.61	2.5	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Hanger(s)	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
438	10213	<i>Casuarina glauca</i>	Swamp She-oak	283446.627	6263740.317	1	35	47	4.2	55.42	2.4	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
439	10214	<i>Casuarina glauca</i>	Swamp She-oak	283446.058	6263742.757	8	12	15	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Long (>40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
440	10215	<i>Eucalyptus robusta</i>	Swamp Mahogany	283451.563	6263747.081	1	50	70	6.0	113.10	2.8	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
441	10216	<i>Eucalyptus robusta</i>	Swamp Mahogany	283454.141	6263749.947	1	48	60	5.8	104.23	2.7	15-20	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Dieback, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
442	440	<i>Melia azedarach</i>	White Cedar	283450.442	6263751.813	2	17	25	2.0	13.07	1.8	5-10	5-10	Good	Good	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
443	283	<i>Eucalyptus robusta</i>	Swamp Mahogany	283463.909	6263748.797	1	45	60	5.4	91.61	2.7	15-20	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Dieback, Epicormic growth	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
444	284	<i>Eucalyptus robusta</i>	Swamp Mahogany	283471.674	6263758.633	1	40	50	4.8	72.38	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
445	10122	<i>Casuarina glauca</i>	Swamp She-oak	283463.646	6263748.348	5	15	20	2.0	12.57	1.7	5-10	<5	Good	Good	Juvenile	Long (>40)			Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
446	NA	<i>Eucalyptus robusta</i>	Swamp Mahogany	283457.932	6263753.079	1	41	49	4.9	76.05	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
447	10123	<i>Eucalyptus robusta</i>	Swamp Mahogany	283458.713	6263755.562	1	60	61	7.2	162.86	2.7	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
448	10124	<i>Eucalyptus robusta</i>	Swamp Mahogany	283460.332	6263759.793	1	35	46	4.2	55.42	2.4	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
449	439	<i>Casuarina cunninghamiana</i>	River She-oak	283459.593	6263765.233	1	58	78	7.0	152.18	3.0	15-20	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Poor pruning, Uncharacteristic form	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
450	10125	<i>Eucalyptus robusta</i>	Swamp Mahogany	283462.012	6263761.141	1	22	32	2.6	21.90	2.1	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Dieback, Epicormic growth, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
451	10126	<i>Eucalyptus robusta</i>	Swamp Mahogany	283464.336	6263763.986	1	17	17	2.0	13.07	1.6	5-10	<5	Poor	Poor	Juvenile	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 60mm, Dieback, Excessive thinning, Suppressed			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
452	10127	<i>Eucalyptus robusta</i>	Swamp Mahogany	283465.397	6263765.1	1	47	63	5.6	99.93	2.7	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
453	10128	<i>Melia azedarach</i>	White Cedar	283472.055	6263758.725	1	21	2	2.5	19.95	1.5	<5	5-10	Good	Fair	Juvenile	Short (<1-15)	Abnormal lean, Suppressed, Uncharacteristic form			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
454	438	<i>Eucalyptus robusta</i>	Swamp Mahogany	283464.84	6263770.112	1	16	16	2.0	12.57	1.5	<5	<5	Poor	Poor	Juvenile	Short (<1-15)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Excessive thinning, Suppressed			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
455	300	<i>Eucalyptus robusta</i>	Swamp Mahogany	283469.734	6263770.387	1	42	57	5.0	79.80	2.6	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
456	298	<i>Eucalyptus robusta</i>	Swamp Mahogany	283472.172	6263772.584	1	56	73	6.7	141.87	2.9	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
457	299	<i>Eucalyptus robusta</i>	Swamp Mahogany	283473.95	6263775.323	1	38	50	4.6	65.33	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
458	NA	<i>Eucalyptus robusta</i>	Swamp Mahogany	283475.929	6263777.047	1	23	31	2.8	23.93	2.0	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
459	296	<i>Eucalyptus robusta</i>	Swamp Mahogany	283479.186	6263766.165	1	38	60	4.6	65.60	2.7	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade	Not tagged.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
460	301	<i>Casuarina glauca</i>	Swamp She-oak	283483.513	6263773.656	1	20	25	2.4	18.10	1.8	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)			Not tagged.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
461	302	<i>Eucalyptus robusta</i>	Swamp Mahogany	283480.801	6263780.843	1	28	31	3.4	35.47	2.0	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
462	437	<i>Eucalyptus robusta</i>	Swamp Mahogany	283475.001	6263781.894	1	56	71	6.7	141.87	2.9	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Hanger(s), Poor pruning, Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
463	436	<i>Eucalyptus robusta</i>	Swamp Mahogany	283477.051	6263782.667	1	32	39	3.8	46.32	2.2	10-15	<5	Dead	Poor	Semi-Mature	Dead	Co-dominant stems, Deadwood/stubs > 100mm, Previous failure(s)			Remove	Remove tree irrespective of future development.
464	304	<i>Eucalyptus robusta</i>	Swamp Mahogany	283483.102	6263786.033	1	47	59	5.6	99.93	2.7	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Dieback, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
465	305	<i>Eucalyptus robusta</i>	Swamp Mahogany	283484.54	6263787.89	1	34	42	4.1	52.30	2.3	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
466	435	<i>Celtis sinensis</i>	Chinese Hackberry	283480.759	6263789.965	1	16	23	2.0	12.57	1.8	5-10	<5	Good	Good	Juvenile	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
467	10217	<i>Eucalyptus robusta</i>	Swamp Mahogany	283486.709	6263792.521	1	50	68	6.0	113.10	2.8	15-20	10-15	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Poor pruning	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
468	10218	<i>Eucalyptus robusta</i>	Swamp Mahogany	283488.541	6263796.595	1	40	51	4.8	72.38	2.5	15-20	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Epicormic growth, Previous failure(s)	Amenity value/shade	30% TPZ excavated for levels, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
469	10219	<i>Eucalyptus robusta</i>	Swamp Mahogany	283491.157	6263797.053	1	30	44	3.6	40.72	2.3	15-20	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Suppressed	Amenity value/shade	50% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
470	434	<i>Casuarina cunninghamiana</i>	River She-oak	283487.106	6263800.145	1	49	62	5.9	108.62	2.7	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Poor pruning	Amenity value/shade	20% TPZ excavated for levels	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
471	NA	<i>Schinus areira</i>	Peppercorn	283491.215	6263801.721	1	23	25	2.8	23.93	1.8	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)			Not tagged.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
472	10222	<i>Eucalyptus tereticornis</i>	Forest Red Gum	283492.84	6263799.604	1	33	38	4.0	49.27	2.2	15-20	5-10	Fair	Good	Semi-Mature	Medium (15-40)	Epicormic growth	Amenity value/shade	100% TPZ excavated for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
473	433	<i>Eucalyptus robusta</i>	Swamp Mahogany	283494.171	6263802.608	1	61	74	7.3	168.33	2.9	10-15	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
474	431	<i>Eucalyptus sideroxylon</i>	Red Ironbark	283512.528	6263831.448	1	59	61	7.1	157.48	2.7	15-20	10-15	Fair	Fair	Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth, Poor pruning, Soil grade changes			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
475	430	<i>Eucalyptus melliodora</i>	Yellow Box	283514.719	6263833.657	1	47	56	5.6	99.93	2.6	15-20	10-15	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth	Amenity value/shade	Species to be confirmed, assumed Eucalyptus melliodora.	High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
476	432	<i>Casuarina glauca</i>	Swamp She-oak	283513.064	6263820.824	1	41	53	4.9	76.05	2.5	10-15	5-10	Fair	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
477	NA	<i>Casuarina glauca</i>	Swamp She-oak	283516.091	6263823.057	1	42	51	5.0	79.80	2.5	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)	Previous failure(s), Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
478	NA	<i>Casuarina glauca</i>	Swamp She-oak	283520.035	6263827.989	1	35	45	4.2	55.42	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Suckers, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
479	10007	<i>Casuarina glauca</i>	Swamp She-oak	283520.525	6263829.459	1	32	37	3.8	46.32	2.2	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
480	429	<i>Casuarina glauca</i>	Swamp She-oak	283521.947	6263835.143	1	29	32	3.5	38.05	2.1	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
481	428	<i>Casuarina glauca</i>	Swamp She-oak	283525.188	6263837.496	1	33	46	4.0	49.27	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
482	427	<i>Casuarina glauca</i>	Swamp She-oak	283527.095	6263841.035	1	34	46	4.1	52.30	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Wound(s)	Amenity value/shade	Remove fallen tree contacting main stem.	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
483	10002	<i>Melia azedarach</i>	White Cedar	283534.171	6263842.097	1	48	60	5.7	103.42	2.7	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Suckers			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
484	10001	<i>Melia azedarach</i>	White Cedar	283539.521	6263847.77	9	25	30	3.0	28.27	2.0	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
485	426	<i>Casuarina glauca</i>	Swamp She-oak	283527.568	6263844.688	1	32	43	3.8	46.32	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
486	NA	<i>Casuarina cunninghamiana</i>	River She-oak	283528.549	6263846.746	1	44	70	5.3	87.58	2.8	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
487	10180	<i>Morus alba</i>	White Mulberry	284010.324	6263758.846	1	31	49	3.7	43.88	2.5	5-10	5-10	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
488	10179	<i>Ligustrum lucidum</i>	Chinese Privet	284009.534	6263757.539	6	17	23	2.0	13.07	1.8	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
489	10182	<i>Morus alba</i>	White Mulberry	284016.398	6263750.871	2	27	34	3.2	32.98	2.1	10-15	5-10	Good	Good	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
490	398	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	284019.775	6263748.221	1	38	43	4.6	65.33	2.3	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
491	409	<i>Eucalyptus sideroxylon</i>	Red Ironbark	284019.467	6263744.917	1	39	44	4.7	68.81	2.3	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Mechanical damage to root(s), Soil grade changes	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
492	10184	<i>Cinnamomum camphora</i>	Camphor Laurel	284019.44	6263744.681	1	22	35	2.6	21.90	2.1	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
493	10185	<i>Morus alba</i>	White Mulberry	284015.753	6263743.789	1	39	64	4.6	67.81	2.7	5-10	5-10	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
494	10186	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	284016.421	6263742.628	1	48	56	5.8	104.23	2.6	5-10	10-15	Fair	Poor	Semi-Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 30mm, Excessive end weight, Mechanical damage to root(s), Previous failure(s), Soil grade changes, Suppressed			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
495	10187	<i>Ligustrum lucidum</i>	Chinese Privet	284014.569	6263740.247	2	33	38	4.0	49.27	2.2	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.
496	27	<i>Jacaranda mimosifolia</i>	Jacaranda	284006.427	6263732.387	1	33	40	3.9	47.95	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Suppressed, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
497	28	<i>Jacaranda mimosifolia</i>	Jacaranda	284004.554	6263729.397	1	38	45	4.5	64.51	2.4	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth, Suppressed, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
498	29	<i>Jacaranda mimosifolia</i>	Jacaranda	284002.579	6263726.888	1	28	31	3.4	35.47	2.0	5-10	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
499	30	<i>Eucalyptus sideroxylon</i>	Red Ironbark	284000.626	6263724.244	1	5	51	2.0	12.57	2.5	10-15	5-10	Fair	Fair	Semi-Mature	Short (<1-15)	Crossing/rubbing branches, Deadwood/stubs > 30mm, Decay, Dieback, Epicormic growth, Previous failure(s), Wound(s)		Tree with limited TLE.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
500	31	<i>Eucalyptus sideroxylon</i>	Red Ironbark	283998.238	6263719.053	1	57	67	6.8	146.98	2.8	10-15	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
501	9673	<i>Eucalyptus microcorys</i>	Tallowood	283995.203	6263716.214	1	27	31	3.2	32.98	2.0	10-15	<5	Fair	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
502	32	<i>Eucalyptus microcorys</i>	Tallowood	283994.088	6263714.197	1	73	86	8.8	241.08	3.1	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Epicormic growth, Included bark, Previous failure(s), Soil grade changes, Wound(s)	Amenity value/shade	Previous failure wound at location of main stem, no indication of fungal fruiting bodies. Estimated 15% TPZ encroachment by fill & new pedestrian path.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
503	9669	<i>Lophostemon confertus</i>	Queensland Box	283974.58	6263728.145	1	31	39	3.7	43.47	2.2	5-10	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
504	9670	<i>Lophostemon confertus</i>	Queensland Box	283971.218	6263727.659	1	37	42	4.4	61.93	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
505	9671	<i>Lophostemon confertus</i>	Queensland Box	283967.026	6263731.127	1	39	48	4.7	68.81	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Included bark, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
506	40	<i>Corymbia maculata</i>	Spotted Gum	283949.805	6263743.403	1	71	85	8.5	228.05	3.1	15-20	15-20	Good	Fair	Mature	Long (>40)	Deadwood/stubs > 30mm, Excessive end weight	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
507	41	<i>Corymbia citriodora</i>	Lemon-scented Gum	283953.437	6263743.841	1	52	68	6.2	122.33	2.8	15-20	10-15	Good	Fair	Mature	Long (>40)	Deadwood/stubs > 30mm, Excessive end weight, Previous failure(s), Suppressed	Amenity value/shade	Remove lowest eastern first order branch.	High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
508	9672	<i>Ulmus parvifolia</i>	Chinese Elm	283956.457	6263745.915	1	27	44	3.2	32.98	2.3	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Epicormic growth, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
509	39	<i>Platanus x hybrida</i>	London Plane	283956.373	6263749.593	1	38	47	4.6	65.33	2.4	10-15	5-10	Fair	Fair	Semi-Mature	Short (<1-15)	Deadwood/stubs < 30mm, Dieback, Disease pathogens, Epicormic growth, Wound(s)	Amenity value/shade	Wounding on scaffold branches appears consistent with disease pathogen.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
510	35	<i>Lophostemon confertus</i>	Queensland Box	283983.158	6263739.744	1	35	41	4.2	55.42	2.3	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
511	33	<i>Lophostemon confertus</i>	Queensland Box	283985.839	6263743.524	1	34	35	4.1	52.30	2.1	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
512	34	<i>Lophostemon confertus</i>	Queensland Box	283982.132	6263745.843	1	31	38	3.7	43.47	2.2	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
513	36	<i>Lophostemon confertus</i>	Queensland Box	283977.818	6263748.4	1	34	41	4.1	52.30	2.3	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
514	37	<i>Lophostemon confertus</i>	Queensland Box	283965.278	6263756.443	1	33	41	4.0	49.27	2.3	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Hanger(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
515	38	<i>Lophostemon confertus</i>	Queensland Box	283961.619	6263758.882	1	28	33	3.4	35.47	2.1	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Mechanical damage, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
516	10062	<i>Eucalyptus sp.</i>	Eucalypt	283965.212	6263826.863	1	11	15	2.0	12.57	1.5	<5	5-10	Good	Fair	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
517	NA	<i>Eucalyptus sp.</i>	Eucalypt	283864.871	6263827.63	1	12	16	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
518	10063	<i>Eucalyptus sp.</i>	Eucalypt	283863.439	6263828.27	1	25	28	3.0	27.73	1.9	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
519	10065	<i>Corymbia citriodora</i>	Lemon-scented Gum	283867.59	6263836.363	1	22	24	2.6	21.90	1.8	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
520	10066	<i>Callistemon salignus</i>	Willow Bottlebrush	283866.838	6263836.19	1	28	35	3.4	35.47	2.1	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)	Hung up fallen tree.			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
521	NA	<i>Callistemon salignus</i>	Willow Bottlebrush	283862.009	6263833.774	3	14	13	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
522	10068	<i>Ligustrum lucidum</i>	Chinese Privet	283862.612	6263832.834	20	10	15	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed	Remove	Remove tree irrespective of future development.
523	10064	<i>Melia azedarach</i>	White Cedar	283861.312	6263829.195	1	11	18	2.0	12.57	1.6	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
524	10067	Populus nigra 'Italica'	Lonbardy Poplar	283857.739	6263830.284	1	14	19	2.0	12.57	1.6	5-10	5-10	Fair	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
525	NA	Corymbia citridora	Lemon-scented Gum	283849.602	6263839.577	1	27	35	3.2	32.98	2.1	10-15	5-10	Good	Good	Juvenile	Long (>40)				Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
526	10069	Populus nigra 'Italica'	Lonbardy Poplar	283852.583	6263840.643	1	25	33	3.0	28.27	2.1	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
527	10071	Populus nigra 'Italica'	Lonbardy Poplar	283852.303	6263841.156	1	17	20	2.0	13.07	1.7	5-10	<5	Fair	Good	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
528	196	Populus nigra 'Italica'	Lonbardy Poplar	283844.053	6263842.86	1	24	34	2.9	26.06	2.1	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
529	197	Populus nigra 'Italica'	Lonbardy Poplar	283841.695	6263844.151	1	34	40	4.0	50.89	2.3	10-15	<5	Dead	Fair	Semi-Mature	Dead				Barrow	Remove tree irrespective of future development.
530	NA	Populus nigra 'Italica'	Lonbardy Poplar	283838.579	6263845.489	1	24	31	2.9	26.06	2.0	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
531	10074	Ligustrum lucidum	Chinese Privet	283835.937	6263843.53	1	12	13	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Barrow	Remove tree irrespective of future development.
532	10075	Populus nigra 'Italica'	Lonbardy Poplar	283838.579	6263845.489	1	24	38	2.9	26.06	2.2	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
533	198	Populus nigra 'Italica'	Lonbardy Poplar	283835.826	6263847.294	1	23	29	2.8	23.93	2.0	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
534	199	Populus nigra 'Italica'	Lonbardy Poplar	283832.696	6263848.573	1	34	41	4.1	52.30	2.3	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
535	10077	Eucalyptus sp.	Eucalypt	283830.874	6263844.086	1	29	34	3.5	38.05	2.1	5-10	5-10	Fair	Fair	Semi-Mature	Medium (15-40)			70% TPZ covered by fill	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
536	200	Populus nigra 'Italica'	Lonbardy Poplar	283827.365	6263851.304	1	27	36	3.2	32.98	2.2	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
537	201	Populus nigra 'Italica'	Lonbardy Poplar	283825.552	6263852.812	1	22	28	2.6	21.90	1.9	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
538	10078	Eucalyptus sp.	Eucalypt	283824.174	6263847.745	1	16	35	2.0	12.57	2.1	5-10	<5	Fair	Fair	Juvenile	Short (<1-15)			60% TPZ covered by fill	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
539	202	Populus nigra 'Italica'	Lonbardy Poplar	283822.702	6263854.226	1	30	36	3.6	40.72	2.2	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
540	203	Populus nigra 'Italica'	Lonbardy Poplar	283820.086	6263855.477	1	32	51	3.8	46.32	2.5	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
541	10080	Populus nigra 'Italica'	Lonbardy Poplar	283814.559	6263858.35	1	37	44	4.4	61.93	2.3	10-15	<5	Fair	Poor	Semi-Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
542	204	Populus nigra 'Italica'	Lonbardy Poplar	283816.759	6263856.768	1	30	35	3.6	40.72	2.1	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
543	10081	Populus nigra 'Italica'	Lonbardy Poplar	283812.139	6263859.529	1	16	19	2.0	12.57	1.6	5-10	<5	Fair	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
544	10082	Populus nigra 'Italica'	Lonbardy Poplar	283811.455	6263860.012	1	26	30	3.1	30.58	2.0	10-15	<5	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
545	10079	Eucalyptus robusta	Swamp Mahogany	283814.873	6263862.625	1	31	22	3.8	44.74	1.8	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
546	10083	Agonis flexuosa	Willow Myrtle/Peppermint	283805.867	6263861.392	1	60	108	7.1	160.46	3.4	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crack(s)/split(s), Deadwood/stubs > 30mm, Included bark, Suppressed, Weak union(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
547	205	Corymbia maculata	Spotted Gum	283799.894	6263858.788	1	59	73	7.1	157.48	2.9	20-30	10-15	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Mechanical damage, Wound(s)	Amenity value/shade	24% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
548	207	Agonis flexuosa	Willow Myrtle/Peppermint	283799.838	6263865.206	1	44	48	5.3	87.58	2.4	5-10	5-10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood/stubs < 30mm, Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
549	209	Agonis flexuosa	Willow Myrtle/Peppermint	283795.763	6263867.003	1	38	40	4.6	66.28	2.3	5-10	5-10	Good	Poor	Mature	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
550	212	Casuarina cunninghamiana	River She-oak	283784.891	6263871.534	1	61	75	7.3	168.33	2.9	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Dieback, Epicormic growth, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
551	214	Casuarina cunninghamiana	River She-oak	283777.348	6263872.904	1	36	49	4.3	58.63	2.5	15-20	5-10	Poor	Fair	Mature	Short (<1-15)	Deadwood/stubs > 60mm, Dieback, Excessive thinning			Barrow	Remove tree irrespective of future development.
552	215	Casuarina cunninghamiana	River She-oak	283775.03	6263877.136	1	26	37	3.1	30.58	2.2	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)	Hanger(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
553	217	Casuarina cunninghamiana	River She-oak	283770.65	6263879.593	1	51	59	6.1	117.67	2.7	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Hanger(s), Previous failure(s), Suppressed	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
554	219	Casuarina cunninghamiana	River She-oak	283767.123	6263880.288	1	83	110	10.0	311.65	3.4	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Included bark, Previous failure(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
555	220	Casuarina cunninghamiana	River She-oak	283757.447	6263884.585	1	71	83	8.5	228.05	3.1	15-20	10-15	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Dieback, Epicormic growth	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
556	223	Casuarina cunninghamiana	River She-oak	283736.312	6263894.955	1	62	79	7.4	173.81	3.0	15-20	10-15	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
557	10190	Casuarina cunninghamiana	River She-oak	283729.472	6263897.617	1	93	98	11.2	391.27	3.3	15-20	15-20	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
558	10191	Eucalyptus saligna	Sydney Blue Gum	283725.271	6263899.571	1	69	77	8.3	217.19	3.0	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Decay, Fungal fruiting body(s), Wound(s)	Amenity value/shade	Bracket fungus at base with some internal decay evident, landscape significance reduced.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
559	224	Corymbia maculata	Spotted Gum	283729.21	6263892.389	1	47	60	5.6	99.93	2.7	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Previous failure(s)	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
560	222	Corymbia maculata	Spotted Gum	283736.095	6263889.359	1	47	51	5.6	99.93	2.5	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Deadwood/stubs > 30mm	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
561	221	Corymbia maculata	Spotted Gum	283747.191	6263884.386	1	64	76	7.7	185.30	2.9	15-20	15-20	Good	Poor	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Hanger(s), Previous failure(s), Wound(s)	Amenity value/shade	Large failed stem in crown. Reduce remaining portion of stem with weakened structure by 50%. 20% TPZ covered fill, battered back, Compensatory area available.	Medium	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
562	218	Corymbia maculata	Spotted Gum	283763.891	6263875.771	1	52	66	6.2	122.33	2.8	15-20	10-15	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
563	216	Corymbia maculata	Spotted Gum	283770.052	6263874.003	1	61	73	7.3	168.33	2.9	15-20	10-15	Good	Good	Mature	Long (>40)	Co-dominant stems	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
564	213	Corymbia maculata	Spotted Gum	283775.214	6263870.751	1	33	48	4.0	50.12	2.4	10-15	5-10	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs > 30mm, Suppressed	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
565	211	Corymbia maculata	Spotted Gum	283780.154	6263868.498	1	33	40	4.0	49.27	2.3	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
566	210	Corymbia maculata	Spotted Gum	283785.64	6263866.042	1	39	48	4.7	68.81	2.4	15-20	10-15	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
567	208	Corymbia maculata	Spotted Gum	283790.51	6263863.063	1	70	82	8.4	221.67	3.0	20-30	15-20	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm	Amenity value/shade	20% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
568	206	Corymbia maculata	Spotted Gum	283795.321	6263861.057	1	53	61	6.4	127.08	2.7	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Suppressed	Amenity value/shade		High	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
569	225	Corymbia maculata	Spotted Gum	283714.136	6263903.22	1	71	84	8.5	228.05	3.1	15-20	10-15	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth	Amenity value/shade	15% TPZ covered fill, battered back, Compensatory area available.	High	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
570	226	Corymbia maculata	Spotted Gum	283710.974	6263899.297	1	18	27	2.2	14.66	1.9	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
571	NA	Corymbia maculata	Spotted Gum	283704.427	6263900.387	1	59	72	7.1	157.48	2.9	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Suppressed	Amenity value/shade	70% TPZ excavated/filled for levels	Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
572	229	Corymbia maculata	Spotted Gum	283700.192	6263902.951	1	65	81	7.8	191.13	3.0	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Hanger(s), Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
573	227	Corymbia maculata	Spotted Gum	283702.533	6263908.409	1	69	77	8.3	215.38	3.0	20-30	10-15	Fair	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Dieback, Parasitic plant/mistletoe	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
574	230	Eucalyptus saligna	Sydney Blue Gum	283696.98	6263910	1	54	69	6.5	131.92	2.8	20-30	10-15	Fair	Poor	Semi-Mature	Short (<1-15)	Deadwood/stubs > 30mm, Decay, Fungal fruiting body(s), Previous failure(s), Soil grade changes, Wound(s)			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
575	411	Dead Tree	Dead Tree	283682.329	6263913.127	1	74	88	8.9	247.73	3.1	10-15	<5	Dead	Poor	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
576	9951	Eucalyptus saligna	Sydney Blue Gum	283679.296	6263914.075	1	65	99	7.9	193.62	3.3	10-15	5-10	Good	Poor	Semi-Mature	Short (<1-15)	Borers/termites, Co-dominant stems, Deadwood/stubs > 100mm, Decay, Wound(s)	Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
577	232	Eucalyptus saligna	Sydney Blue Gum	283668.159	6263916.483	1	72	80	8.6	231.99	3.0	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Borers/termites, Deadwood/stubs > 30mm, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
578	412	Corymbia maculata	Spotted Gum	283663.081	6263910.83	1	66	79	7.9	197.06	3.0	15-20	10-15	Good	Good	Mature	Long (>40)	Deadwood/stubs > 30mm, Parasitic plant/mistletoe, Previous failure(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
579	NA	Morus alba	White Mulberry	283663.178	6263910.354	1	18	22	2.2	15.29	1.8	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
580	234	Schinus areira	Peppercorn	283662.932	6263910.377	1	31	35	3.7	43.47	2.1	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
581	233	Dead Tree	Dead Tree	283661.766	6263917.603	1	22	33	2.6	21.90	2.1	10-15	<5	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
582	413	Eucalyptus saligna	Sydney Blue Gum	283659.192	6263918.29	1	48	68	5.8	105.54	2.8	15-20	5-10	Fair	Poor	Semi-Mature	Short (<1-15)	Borers/termites, Co-dominant stems, Deadwood/stubs < 30mm, Decay, Epicormic growth, Wound(s)			Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
583	414	Eucalyptus saligna	Sydney Blue Gum	283653.006	6263918.534	1	66	75	7.9	195.66	2.9	20-30	15-20	Good	Fair	Semi-Mature	Medium (15-40)	Borers/termites, Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Wound(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
584	416	Eucalyptus microcorys	Tallowood	283644.2	6263920.428	1	35	42	4.2	55.42	2.3	15-20	5-10	Good	Good	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
585	NA	Eucalyptus microcorys	Tallowood	283640.61	6263919.486	1	50	51	6.0	113.10	2.5	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Included bark, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
586	417	Eucalyptus microcorys	Tallowood	283638.293	6263920.599	1	50	64	6.0	113.10	2.7	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
587	418	Eucalyptus microcorys	Tallowood	283635.415	6263920.867	1	34	42	4.1	52.30	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
588	419	Eucalyptus microcorys	Tallowood	283629.236	6263920.607	1	30	30	3.6	40.72	2.0	10-15	5-10	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
589	NA	Melaleuca stypheloides	Prickly-leaved Paperbark	283626.705	6263921.278	1	17	23	2.0	13.07	1.8	<5	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
590	420	Eucalyptus microcorys	Tallowood	283626.567	6263920.628	1	55	75	6.6	136.85	2.9	20-30	15-20	Good	Fair	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth, Excessive end weight, Hanger(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
591	9955	Dead Tree	Dead Tree	283623.304	6263920.425	1	17	20	2.0	13.07	1.7	5-10	<5	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
592	9956	Dead Tree	Dead Tree	283617.503	6263919.99	1	17	20	2.0	13.07	1.7	5-10	<5	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
593	421	Eucalyptus microcorys	Tallowood	283615.812	6263921.585	1	56	66	6.7	141.87	2.8	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm, Included bark, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
594	422	Eucalyptus microcorys	Tallowood	283611.708	6263920.63	1	57	63	6.8	144.99	2.7	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
595	423	Eucalyptus microcorys	Tallowood	283608.643	6263921.169	1	49	60	5.9	108.62	2.7	15-20	10-15	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
596	NA	Eucalyptus microcorys	Tallowood	283606.2639	6263919.649	1	38	40	4.6	65.33	2.3	10-15	5-10	Good	Fair	Juvenile	Medium (15-40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
597	NA	Casuarina glauca	Swamp She-oak	283601.857	6263920.782	1	27	29	3.2	32.98	2.0	10-15	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
598	9957	Casuarina glauca	Swamp She-oak	283599.726	6263920.666	20	13	18	2.0	12.57	1.6	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
599	9959	Casuarina glauca	Swamp She-oak	283596.724	6263920.804	1	20	30	2.4	18.10	2.0	10-15	<5	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
600	10046	Casuarina glauca	Swamp She-oak	283593.362	6263919.469	1	27	33	3.2	32.98	2.1	10-15	<5	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
601	10045	Casuarina glauca	Swamp She-oak	283590.648	6263920.91	1	20	25	2.4	18.10	1.8	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
602	10044	Casuarina glauca	Swamp She-oak	283589.218	6263923.004	5	12	17	2.0	12.57	1.6	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
603	10042	Casuarina glauca	Swamp She-oak	283588.818	6263921.727	1	24	35	2.9	25.74	2.1	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
604	10040	Casuarina glauca	Swamp She-oak	283587.213	6263920.133	1	30	38	3.6	40.72	2.2	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
605	10038	Casuarina glauca	Swamp She-oak	283585.275	6263917.172	1	34	42	4.1	53.56	2.3	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
606	10039	Casuarina glauca	Swamp She-oak	283584.172	6263914.358	1	19	21	2.3	16.33	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
607	10035	Casuarina glauca	Swamp She-oak	283582.871	6263912.68	1	27	31	3.2	32.98	2.0	5-10	<5	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
608	10034	Casuarina glauca	Swamp She-oak	283581.027	6263910.416	1	25	29	3.0	28.27	2.0	5-10	<5	Dead	Poor	Juvenile	Dead				Remove	Remove tree irrespective of future development.
609	10033	Casuarina glauca	Swamp She-oak	283576.887	6263908.253	50	10	10	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
610	10032	Casuarina glauca	Swamp She-oak	283579.087	6263908.017	1	25	31	3.0	28.27	2.0	5-10	<5	Fair	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
611	10031	Casuarina glauca	Swamp She-oak	283575.458	6263903.428	1	31	40	3.7	43.47	2.3	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
612	10030	Casuarina glauca	Swamp She-oak	283572.273	6263898.984	1	31	42	3.7	43.47	2.3	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
613	10028	Casuarina glauca	Swamp She-oak	283570.136	6263896.089	1	25	34	3.0	28.27	2.1	10-15	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
614	10027	Casuarina glauca	Swamp She-oak	283567.751	6263894.409	1	25	32	3.0	28.27	2.1	10-15	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
615	10024	Casuarina glauca	Swamp She-oak	283564.231	6263889.861	50	11	14	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
616	10023	Casuarina glauca	Swamp She-oak	283563.028	6263886.901	1	36	43	4.3	58.63	2.3	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
617	10022	Casuarina glauca	Swamp She-oak	283558.636	6263883.266	1	27	35	3.2	32.98	2.1	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
618	10021	Casuarina glauca	Swamp She-oak	283556.304	6263880.516	1	22	33	2.6	21.90	2.1	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
619	10020	Casuarina cunninghamiana	River She-oak	283554.465	6263878.78	1	29	36	3.5	38.05	2.2	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
620	10018	Melaleuca linarifolia	Snow in Summer	283552.802	6263878.968	1	18	24	2.2	14.66	1.8	<5	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
621	10019	Callistemon viminalis	Weeping Bottlebrush	283551.601	6263877.506	1	10	12	2.0	12.57	1.5	<5	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
622	NA	Casuarina glauca	Swamp She-oak	283548.284	6263873.306	1	15	18	2.0	12.57	1.6	5-10	<5	Dead	Fair	Juvenile	Dead				Remove	Remove tree irrespective of future development.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
623	10017	Casuarina glauca	Swamp She-oak	283545.937	6263870.377	1	37	45	4.4	61.93	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)		Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
624	10016	Casuarina glauca	Swamp She-oak	283544.496	6263867.111	1	35	47	4.2	55.42	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
625	10015	Casuarina glauca	Swamp She-oak	283542.902	6263864.689	1	43	48	5.2	83.65	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
626	10014	Casuarina glauca	Swamp She-oak	283541.41	6263863.065	1	47	54	5.6	99.93	2.6	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Previous failure(s)	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
627	10013	Casuarina glauca	Swamp She-oak	283539.833	6263860.794	1	40	48	4.8	73.51	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Included bark	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
628	10009	Casuarina glauca	Swamp She-oak	283537.207	6263858.127	1	32	43	3.8	46.32	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
629	10010	Melaleuca knarifolia	Snow in Summer	283536.143	6263858.982	1	23	25	2.7	23.25	1.8	<5	<5	Fair	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
630	10008	Casuarina cunninghamiana	River She-oak	283535.446	6263857.293	1	15	21	2.0	12.57	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
631	10011	Casuarina glauca	Swamp She-oak	283533.623	6263853.253	1	34	55	4.1	53.29	2.6	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
632	10012	Casuarina cunninghamiana	River She-oak	283532.089	6263851.077	1	48	56	5.8	104.23	2.6	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
633	9998	Melia azedarach	White Cedar	283540.094	6263852.257	1	20	24	2.4	18.55	1.8	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
634	9995	Melia azedarach	White Cedar	283541.396	6263851.659	1	24	35	2.9	26.06	2.1	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
635	9996	Melia azedarach	White Cedar	283542.441	6263851.014	3	18	21	2.1	14.34	1.7	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
636	9993	Melia azedarach	White Cedar	283544.002	6263857.432	1	18	22	2.2	14.66	1.8	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
637	9992	Melia azedarach	White Cedar	283545.299	6263857.558	1	12	12	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
638	9990	Melia azedarach	White Cedar	283550.277	6263860.659	1	33	43	4.0	49.27	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
639	9989	Melia azedarach	White Cedar	283549.701	6263862.31	3	12	15	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
640	9988	Melia azedarach	White Cedar	283557.163	6263869.282	2	21	28	2.5	19.95	1.9	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
641	9986	Melia azedarach	White Cedar	283560.47	6263873.167	1	13	16	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
642	9984	Melia azedarach	White Cedar	283560.73	6263874.808	1	31	37	3.8	44.29	2.2	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
643	9985	Melia azedarach	White Cedar	283558.175	6263875.601	1	13	20	2.0	12.57	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
644	9983	Melia azedarach	White Cedar	283565.285	6263879.988	1	14	17	2.0	12.57	1.6	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
645	9980	Melia azedarach	White Cedar	283566.933	6263881.107	3	30	45	3.6	39.90	2.4	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
646	9979	Melia azedarach	White Cedar	283574.669	6263889.131	1	33	45	4.0	49.27	2.4	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
647	9978	Melia azedarach	White Cedar	283576.734	6263890.756	1	19	25	2.3	16.33	1.8	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
648	9977	Melia azedarach	White Cedar	283577.173	6263891.947	1	19	31	2.3	16.51	2.0	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
649	9976	Melia azedarach	White Cedar	283579.309	6263894.957	1	25	33	3.0	28.27	2.1	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
650	NA	Melia azedarach	White Cedar	283581.004	6263895.94	1	14	22	2.0	12.57	1.8	5-10	<5	Good	Fair	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
651	9975	Melia azedarach	White Cedar	283581.748	6263897.864	1	45	60	5.4	91.61	2.7	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
652	9974	Melia azedarach	White Cedar	283582.574	6263899.743	1	39	53	4.7	68.81	2.5	10-15	10-15	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
653	9973	Melia azedarach	White Cedar	283586.387	6263903.977	1	31	42	3.7	42.16	2.3	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
654	9972	Melia azedarach	White Cedar	283589.011	6263906.467	1	17	19	2.0	12.57	1.6	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
655	9971	Melia azedarach	White Cedar	283590.593	6263909.157	1	18	22	2.2	14.66	1.8	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
656	10036	Melia azedarach	White Cedar	283588.686	6263912.214	1	14	20	2.0	12.57	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
657	10037	Melia azedarach	White Cedar	283592.063	6263909.361	1	14	20	2.0	12.57	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
658	9970	Ulmus parvifolia	Chinese Elm	283590.593	6263909.157	1	19	32	2.3	15.97	2.1	<5	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
659	9969	Melia azedarach	White Cedar	283597.765	6263914.503	2	18	24	2.2	14.66	1.8	10-15	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
660	9966	Melia azedarach	White Cedar	283600.553	6263913.644	7	11	16	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
661	9967	Dead Tree	Dead Tree	283602.563	6263908.427	1	27	39	3.2	33.02	2.2	5-10	5-10	Dead	Poor	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.
662	9965	Melia azedarach	White Cedar	283604.651	6263913.975	1	12	15	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
663	9960	Melia azedarach	White Cedar	283608.589	6263913.408	2	10	10	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
664	9962	Melia azedarach	White Cedar	283612.45	6263913.581	5	10	12	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
665	NA	Melia azedarach	White Cedar	283619.766	6263913.218	5	12	16	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
666	9954	Melia azedarach	White Cedar	283626.148	6263915.356	1	17	18	2.0	12.57	1.6	5-10	5-10	Fair	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
667	NA	Melia azedarach	White Cedar	283635.567	6263914.212	1	17	21	2.0	13.07	1.7	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
668	9953	Melia azedarach	White Cedar	283633.926	6263915.554	1	19	21	2.3	16.51	1.7	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
669	NA	Melia azedarach	White Cedar	283634.068	6263915.682	1	10	11	2.0	12.57	1.5	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
670	NA	Melia azedarach	White Cedar	283637.397	6263913.648	1	16	27	2.0	12.57	1.9	5-10	5-10	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
671	NA	Dead Tree	Dead Tree	283632.175	6263909.268	1	25	37	3.0	28.27	2.2	5-10	<5	Dead	Poor	Semi-Mature	Dead				Remove	Remove tree irrespective of future development.

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
672	NA	<i>Schinus areira</i>	Peppercorn	283628.217	6263908.034	1	40	51	4.8	71.75	2.5	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 60mm, Parasitic plant/mistletoe	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
673	237	<i>Melia azedarach</i>	White Cedar	283620.84	6263899.165	1	42	82	5.0	79.08	3.0	10-15	5-10	Good	Fair	Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
674	236	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283623.315	6263897.632	1	52	83	6.2	121.10	3.1	15-20	10-15	Good	Fair	Semi-Mature	Long (>40)	Co-dominant stems, Epicormic growth, Exposed root(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
675	NA	<i>Melia azedarach</i>	White Cedar	283637.035	6263899.768	1	42	54	5.0	78.26	2.6	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
676	NA	<i>Washingtonia robusta</i>	Washington Palm	283648.709	6263897.316	5	40	50	4.8	72.38	2.5	5-10	<5	Good	Good	Semi-Mature	Long (>40)				Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
677	NA	<i>Melia azedarach</i>	White Cedar	283649.816	6263897.505	1	19	28	2.3	16.33	1.9	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
678	NA	<i>Melia azedarach</i>	White Cedar	283650.661	6263906.957	1	20	27	2.4	18.10	1.9	5-10	5-10	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
679	NA	<i>Casuarina glauca</i>	Swamp She-oak	283432.979	6263709.239	1	35	55	4.2	55.78	2.6	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
680	444	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283417.007	6263695.326	1	17	23	2.0	13.07	1.8	<5	<5	Good	Fair	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
681	NA	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283417.007	6263694	1	18	25	2.2	14.88	1.8	<5	<5	Good	Fair	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
682	445	<i>Casuarina cunninghamiana</i>	River She-oak	283419.652	6263693.38	1	30	38	3.6	40.72	2.2	10-15	<5	Good	Good	Semi-Mature	Medium (15-40)		Amenity value/shade	Neighbouring tree, tag on fence.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
683	446	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283421.922	6263691.811	1	19	25	2.3	17.06	1.8	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
684	447	<i>Callistemon citrinus</i>	Crimson Bottlebrush	283424.534	6263689.933	1	12	16	2.0	12.57	1.5	<5	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
685	NA	<i>Callistemon citrinus</i>	Crimson Bottlebrush	283425	6263689	1	8	10	2.0	12.57	1.5	<5	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
686	NA	<i>Callistemon citrinus</i>	Crimson Bottlebrush	283426	6263688	1	9	11	2.0	12.57	1.5	<5	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
687	448	<i>Callistemon citrinus</i>	Crimson Bottlebrush	283429.579	6263686.441	1	11	18	2.0	12.57	1.6	<5	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
688	449	<i>Callistemon viminalis</i>	Weeping Bottlebrush	283432.815	6263683.955	1	14	30	2.0	12.57	2.0	5-10	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
689	450	<i>Callistemon citrinus</i>	Crimson Bottlebrush	283434.949	6263682.307	1	14	18	2.0	12.57	1.6	<5	<5	Good	Good	Semi-Mature	Medium (15-40)			Neighbouring tree, tag on fence.	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
690	10085	<i>Casuarina glauca</i>	Swamp She-oak	283798.965	6263806.059	1	21	30	2.5	19.41	2.0	5-10	<5	Good	Poor	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
691	10088	<i>Casuarina glauca</i>	Swamp She-oak	283763.209	6263811.132	1	16	30	2.0	12.57	2.0	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
692	10087	<i>Casuarina glauca</i>	Swamp She-oak	283762.17	6263810.635	1	13	28	2.0	12.57	1.9	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
693	89	<i>Casuarina cunninghamiana</i>	River She-oak	283685.336	6263804.733	1	20	31	2.4	18.10	2.0	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
694	NA	<i>Casuarina glauca</i>	Swamp She-oak	283565.849	6263714.543	60	23	28	2.8	23.93	1.9	5-10	<5	Good	Good	Juvenile	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
695	NA	<i>Casuarina glauca</i>	Swamp She-oak	283658.529	6263643.465	1	8	10	2.0	12.57	1.5	5-10	<5	Good	Good	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
696	249	<i>Lophostemon confertus</i>	Queensland Box	283673.556	6263662.883	1	33	50	4.0	50.40	2.5	5-10	5-10	Good	Fair	Juvenile	Short (<1-15)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
697	95	<i>Lophostemon confertus</i>	Queensland Box	283687.952	6263683.494	1	59	70	7.1	157.48	2.8	10-15	5-10	Fair	Fair	Semi-Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
698	93	<i>Lophostemon confertus</i>	Queensland Box	283708.323	6263668.074	1	37	44	4.4	61.93	2.3	10-15	5-10	Good	Good	Semi-Mature	Medium (15-40)	Co-dominant stems	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
699	94	<i>Lophostemon confertus</i>	Queensland Box	283711.338	6263667.732	1	39	48	4.7	68.81	2.4	10-15	5-10	Good	Good	Semi-Mature	Long (>40)	Co-dominant stems	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
700	92	<i>Lophostemon confertus</i>	Queensland Box	283718.25	6263662.733	1	42	48	5.0	79.80	2.4	10-15	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs < 30mm, Epicormic growth, Poor pruning	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
701	91	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283724.459	6263670.036	1	75	95	9.0	254.47	3.2	20-30	10-15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs > 30mm, Epicormic growth, Previous failure(s)	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
702	90	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283726.776	6263671.644	1	53	64	6.4	127.08	2.7	15-20	5-10	Good	Fair	Semi-Mature	Medium (15-40)	Deadwood/stubs > 60mm, Epicormic growth, Suppressed	Amenity value/shade		Medium	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
703	96	<i>Eucalyptus microcorys</i>	Tallowood	283842.606	6263676.676	1	69	88	8.3	215.38	3.1	15-20	10-15	Good	Good	Mature	Medium (15-40)	Deadwood/stubs > 30mm, Epicormic growth	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
704	97	<i>Eucalyptus microcorys</i>	Tallowood	283844.834	6263679.518	1	73	89	8.8	241.08	3.2	15-20	10-15	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood/stubs < 30mm, Epicormic growth, Previous failure(s), Suppressed	Amenity value/shade		High	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
705	10177	<i>Syzygium sp.</i>	Lilly Pilly	283856.168	6263705.577	1	19	36	2.3	16.38	2.2	5-10	<5	Good	Fair	Semi-Mature	Medium (15-40)				Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
706	68	<i>Callistemon salignus</i>	Willow Bottlebrush	283914.805	6263736.801	1	8	12	2.0	12.57	1.5	<5	<5	Poor	Poor	Juvenile	Short (<1-15)				Remove	Remove tree irrespective of future development.
707	62	<i>Melaleuca bracteata</i>	Black Tea Tree	283934.543	6263765.259	1	17	30	2.0	13.16	2.0	5-10	<5	Good	Fair	Semi-Mature	Short (<1-15)		Amenity value/shade		Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
708	NA	<i>Sapium sebiferum</i>	Chinese Tallow Tree	283939.544	6263771.728	1	11	16	2.0	12.57	1.5	<5	<5	Fair	Good	Juvenile	Short (<1-15)			Council exemption applies to trees of this species 8m in height. Other controls may apply.	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
709	83	Stump	Stump	283896.484	6263768.543	1	18	38	2.1	14.48	2.2	<5	<5	Dead	Fair	Mature	Dead				Remove	Remove tree irrespective of future development.
710	5	<i>Cinnamomum camphora</i>	Camphor Laurel	284133.568	6263721.263	1	87	98	10.4	342.41	3.3	10-15	5-10	Poor	Fair	Semi-Mature	Short (<1-15)	Cavity(s), Co-dominant stems, Deadwood/stubs > 60mm, Dieback, Epicormic growth, Poor pruning, Wound(s)	Amenity value/shade		Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
711	4	<i>Callistemon salignus</i>	Willow Bottlebrush	284095.975	6263748.155	1	58	62	7.0	152.18	2.7	5-10	<5	Fair	Poor	Mature	Short (<1-15)	Co-dominant stems, Deadwood/stubs > 100mm, Epicormic growth, Fungal fruiting body(s), Included bark, Poor pruning, Weak union(s)			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
712	2	<i>Cinnamomum camphora</i>	Camphor Laurel	284076.971	6263757.017	1	39	42	4.7	68.81	2.3	<5	<5	Poor	Fair	Semi-Mature	Short (<1-15)	Epicormic growth, Poor pruning, Wound(s)		Council exemption applies to trees of this species 8m in height. Other controls may apply.	Remove	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
713	3	<i>Morus alba</i>	White Mulberry	284074.336	6263762.421	1	75	72	9.0	254.47	2.9	5-10	5-10	Fair	Poor	Mature	Short (<1-15)	Cavity(s), Co-dominant stems, Deadwood/stubs < 30mm, Decay, Epicormic growth, Poor pruning, Wound(s)		Tree removal exempt under Penrith Council DCP	Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
714	1	<i>Schinus areira</i>	Peppercorn	283575.845	6263952.429	1	120	130	14.4	651.44	3.7	5-10	5-10	Fair	Poor	Mature	Medium (15-40)	Cavity(s), Epicormic growth, Poor pruning		Tree typical for age and size. Poor pruning associates with power line clearance.	Medium	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
715	110	<i>Eucalyptus microcorys</i>	Tallowood	283955.711	6263666.194	1	10	25	2.0	12.57	1.8	<5	<5	Good	Fair	Juvenile	Short (<1-15)	Suckers			Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
716	152	<i>Eucalyptus robusta</i>	Swamp Mahogany	283810.339	6263521.555	1	20	27	2.4	18.10	1.9	<5	<5	Poor	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
717	160	<i>Casuarina cunninghamiana</i>	River She-oak	283788.536	6263515.156	1	15	18	2.0	12.57	1.6	<5	<5	Fair	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
718	10164	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283708.366	6263496.439	1	15	23	2.0	12.57	1.8	5-10	<5	Poor	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
719	10165	<i>Eucalyptus saligna</i>	Sydney Blue Gum	283707.613	6263495.245	1	15	18	2.0	12.57	1.6	5-10	<5	Fair	Fair	Juvenile	Short (<1-15)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
720	10162	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	283691.649	6263496.648	1	23	29	2.8	23.93	2.0	5-10	<5	Good	Fair	Juvenile	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	Surveyor Tree #	Botanical Name	Common Name	Easting (x)	Northing (y)	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Arborist comments	STARS Retention Value	Recommendation
721	10158	<i>Eucalyptus robusta</i>	Swamp Mahogany	283665.022	6263515.562	1	12	20	2.0	12.57	1.7	<5	<5	Poor	Fair	Juvenile	Short (<1-15)				Remove	Remove tree irrespective of future development.
722	368	<i>Syagrus romanzoffiana</i>	Cocos Palm	283518.275	6263701.419	1	28	35	3.4	35.47	2.1	5-10	<5	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
723	367	<i>Syagrus romanzoffiana</i>	Cocos Palm	283517.152	6263702.6	1	20	31	2.4	18.10	2.0	5-10	<5	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
724	360	<i>Syagrus romanzoffiana</i>	Cocos Palm	283516.471	6263722.32	1	28	39	3.4	35.47	2.2	5-10	<5	Good	Fair	Mature	Medium (15-40)			Tree removal exempt under Penrith Council DCP	Low	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
725	NA	<i>Melia azedarach</i>	White Cedar	283490.7914	6263653.921	1	27	34	3.2	32.12	2.1	5-10	5-10	Good	Fair	Semi-Mature	Medium (15-40)				Low	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
726	NA	<i>Celtis sinensis</i>	Chinese Hackberry	283510.6681	6263635.507	1	17	20	2.0	13.07	1.7	5-10	<5	Good	Good	Juvenile	Medium (15-40)			Tree removal exempt under Penrith Council DCP - Weed species	Remove	Remove tree irrespective of future development.



For further information
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