



Ecological Technical Memo

Caretakers Dwelling – Monarch Glen
Greater Flagstone Priority Development Area

Prepared for Monarch Glen No 1 Pty Ltd as trustee of the Monarch Glen Trust No 1
8 July 2025

11731 E

**PLANS AND DOCUMENTS
referred to in the PDA
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1. Introduction

Saunders Havill Group (SHG) was engaged by Monarch Glen No 1 Pty Ltd as trustee of the Monarch Glen Trust No 1 to prepare an Ecological Technical Memo in response to Economic Development Queensland's (EDQ) *PDA Guideline No. 14 – Environmental values and sustainable resources* (Guideline 14) to support an operational works vegetation clearing application to EDQ. This report concerns the site of a caretaker dwelling and the vegetation required to be cleared to make the dwelling bushfire immune. The Caretaker dwelling is proposed to be located in the south of the larger Monarch Glen project site and accessed from newly constructed Flinders Lake Drive (**Figures 1 and 2**).

The proposed caretaker dwelling is located within the area approved for clearing under the approval DEV2021/1250 for Tranche 3. Monarch Glen No 1 Pty Ltd as trustee of the Monarch Glen Trust No 1 are, however, seeking a stand-alone approval to provide the caretaker dwelling prior proceeding on the Tranche 3 bulk clearing works. The proposed earthworks design and clearing extent are supplied as **Appendix A**.

The broader project site is located within the *Greater Flagstone Priority Development Area* (GFPDA) and as such is governed by EDQ. Although being entirely included within the Logan City Council (LCC) Local Government Area, EDQ have jurisdiction for the implementation and enforcement of development applications in relation to the project as a key regulator of development within *Priority Development Areas* (PDA) for the Department of State Development, Tourism and Innovation (DSDTI).

Contextually, the subject area is located approximately 16 kilometers (km) south of Springfield Central and 11 km west of Jimboomba. The north of the Monarch Glen site is in the initial stage of vegetation clearing.

Table 1: Caretaker Dwelling – Key Site Details

Address	Dairy Road, Kagaru QLD 4053
RPD	Part of Lot 3 on SP351245 and part of Lot 2 on SP351245
Local Government Area	Logan City Council (LCC)
Planning Scheme / Local Plan	Greater Flagstone UDA Development Scheme
Vegetation Management Act 1999	Category X (non-remnant) Category B (remnant) Of Concern composite RE12.9-10.2 / 12.9-10.7/12.9-10.17a



Legend

- Qld DCDB
- Caretaker Dwelling construction works footprint
- Caretaker Dwelling bushfire management vegetation clearing area

Figure 1

Site Aerial

File ref. 11731 E Figure 2 CTD Site Aerial B
Date 5/06/2025
Project Monarch Glen

0 20 40 60 80 100 m

Scale (A4): 1:3,000 [GDA 2020 MGA Z56]



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2. Desktop review

2.1. Historical and contemporary legislative review

Table 2 below provides a review of contemporary legislative provisions potentially constraining the Caretaker Dwelling site.

Table 2: State and Local governmental legislation and mapping constraints relative to the site

Legislation	Mapping	Purpose	Contemporary Site Relevance
<i>Environmental Protection & Biodiversity Conservation Act 1999</i> (EPBC Act)	N/A	The Australian Government's key piece of environmental legislation is the EPBC Act. The EPBC Act aims to protect and manage matters of environmental significance which include nationally and internationally important flora, fauna, ecological communities and heritage places.	The Protected Matters Search Tool (PMST) identified 34 protected fauna species, 18 flora species, and seven Threatened Ecological Communities (TECs) as potentially occurring within a 5 km radius of the site (refer Appendix B). In 2015, the broader project site was referred and assessed under the EPBC Act (ref: 2015/7530) as the development was determined to have a significant impact on EPBC Act listed species. The action was approved in 2020. Impacts on Koala Habitat are being offset under the conditions of the EPBC Act approval.
<i>Nature Conservation Act 1992</i> (NCA)	Protected Plants Trigger Map	The NCA classifies and protects significant areas (Protected Areas) and protects Threatened plant and animal species. The <i>Nature Conservation (Wildlife) Regulation 2006</i> (NCWR) lists plant and animal species presumed extinct, endangered, vulnerable, near threatened, least concern, international or prohibited.	The caretaker dwelling site does not contain a mapped High Risk Area for protected plants (Figure 3). A Protected Plants Flora Survey for NCA plants in accordance with the Protected Plants Guideline is therefore not required. However, the subject area was traversed to identify any existing protected plants and no protected plants were recorded within the application area. Six species listed under the NCA was identified in the Wildlife Online search as potentially occurring within a 5 km radius of the site (five fauna and one flora species, Appendix C). Of note, impacts on Koala and Grey-headed Flying-fox have been addressed at the

Legislation	Mapping	Purpose	Contemporary Site Relevance
			Federal level (refer EPBC 2015/7530) and a permit to clear <i>M. irbyana</i> across the broader urban development extent for Monarch Glen has been granted by the Department of Environment and Science (refer WA0064219). As mentioned, no protected flora or fauna were recorded within the clearing extent.
<i>Vegetation Management Act 1999 (VMA)</i>	Figure 4: Supporting Vegetation Management Map	The VMA is the key mechanism by which the Queensland Government protects the state's environmental resources pertaining to vegetation. Under the VMA, a series of maps delineate vegetation features across the landscape which are each assigned a conservation value directly related to the remaining extent of these features in the landscape. The VMA also protects 'essential habitat' vegetation where listed threatened species have been known to occur.	The caretaker dwelling clearing area is mapped as containing Category X (non-remnant) and Category B (remnant) vegetation. Category X is not regulated under the VMA. It is important to note that the provisions of the VMA do not apply in a PDA except where relevant to the Development Scheme. Further, the endorsed Natural Environment Site Strategy under does not identify any significant biodiversity values within the caretaker dwelling works extent.
Koala priority areas and koala habitat areas (administered under the <i>Planning Regulation 2017</i> (PR))	Koala priority areas and koala habitat areas map Koala habitat values and assessable development areas	The PR deals with development within mapped Koala habitat areas by regulating the clearing of mapped Koala habitat and stipulating how it must be cleared. The new mapping, implemented in February 2020 uses mapped Koala Priority Areas and Koala habitat areas to determine the response or referral pathway required for the site. Koala Habitat Areas are Matters of State Environmental Significance (MSES) and are reflected in the State Planning Policy. The LCC Planning Scheme mapping has not been updated to reflect these changes. Under Koala habitat mapping, Schedule 11, Part 2 of the PR is not applicable as the premises on which the development is carried out does not meet the criteria of Schedule 11, Part 2, Section 3(c). As	Not applicable. The site is mapped outside a Koala Priority Area and contains Koala Habitat Area. However, as the site falls within the GFPDA, the Koala Habitat triggers do not apply. Prior to the change in Koala Mapping under the PR in February 2020, the project site was mapped Medium Value Bushland, and Medium Value Rehabilitation. Impacts on Koala Habitat are being managed by an offset under the EPBC Act.

Legislation	Mapping	Purpose	Contemporary Site Relevance
		such, no response or referral is required for the site.	
Fish Habitat Areas (<i>Fisheries Act 1994</i>)	Figure 5 Fisheries WWBW Map	The <i>Fisheries Act 1994</i> deals with the use, conservation and improvement of Queensland's fisheries resources and fish habitats. The legislation deals with the impact from coastal development on marine fish habitat, including protected marine plants and declared fish habitat areas.	A low risk (Green) waterway for waterway barrier works is mapped traversing the north of the application area within the bushfire clearing zone. No earthworks are proposed to be undertaken within the waterway during vegetation clearing and bed and bank features will not be impacted. .
Coastal Hazards (<i>Coastal Protection and Management Act 1995</i>)	Coastal Protection Areas Map	The <i>Coastal Protection and Management Act 1995</i> seeks to protect the coastal resources of the coastal zone under State Code 8: Coastal development and tidal works. It establishes a framework for the protection, conservation, rehabilitation and management of the coastal zone with regard to the core objectives of the national strategy for ecologically sustainable development in the use of the Coastal Zone. It also ensures decisions about land use and development safeguard life and property from the threat of coastal hazards.	Not applicable. No areas subject to coastal hazards are mapped within the project site, and the site is not located within a Coastal Management Area.
<i>State Planning Policy 2014</i> (SPP)	Matters of State Environmental Significance (Biodiversity)	Provides interim development assessment requirements which ensures that state interests are considered by local government when assessing development applications where the local government planning scheme does not yet integrate the State interests in the SPP. MSES include Biodiversity, Coastal Environment, and Water Quality.	Not applicable. The caretaker dwelling is mapped as containing MSES – regulated vegetation (Category B) and wildlife habitat (Endangered or Vulnerable, and Koala habitat areas – core). Note, regulated vegetation and State Koala provisions do not apply in a PDA and impacts on Koala habitat are being managed by an offset under the EPBC Act.

2.2. Town Planning Instruments

The site is located within the jurisdiction of LCC but not subject to the provisions of the LCC Planning Scheme. Importantly, the site is located within the GFPDA and as such is governed by EDQ. Although being entirely included within the LCC Local Government Area, EDQ have jurisdiction for the implementation and enforcement of development applications in relation to the project as a key regulator of development within a PDA for the DSDTI.

2.2.1 Greater Flagstone Priority Development Area

The development proposal occurs within the Greater Flagstone Urban Development Area, declared under the *Urban Land Development Authority Act 2007* (ULDA Act). This legislation superseded the requirements of local government planning provisions (in this case, LCCs *Logan Planning Scheme 2015*) and selective other state legislation (e.g. *Planning Act 2016*, VMA and others).

The Greater Flagstone Urban Development Area Development Scheme was approved in October 2011 and regulates development within the PDA. Development applications referred to EDQ for assessment against the *Greater Flagstone UDA Development Scheme* will be assessed against the EDQ's Implementation Guidelines. Applicable guidelines specifically include Guideline 14 – Environment and Natural Resource Sustainability, and Guideline 17 – Remnant Vegetation and Koala Habitat Obligations in Greater Flagstone and Yarrabilba PDAs. In this case, remnant Endangered vegetation will not be impacted and Koala offsets have been approved under the Federal EPBC Act, therefore, the provisions of Guideline 17 do not apply.

The Vegetation and Fauna Management Plan (VCFMP) for the caretaker dwelling, is shown in **Appendix D**.



Legend

- Qld DCDB
- Caretaker Dwelling construction works footprint
- Caretaker Dwelling bushfire management vegetation clearing area
- High risk area - flora survey trigger

Figure 3

NCA - Protected Plants
Flora Survey Trigger

File ref. 11731 E Figure 4 CTD NCA B

Date 5/06/2025

Project Monarch Glen

0 20 40 60 80 100 m

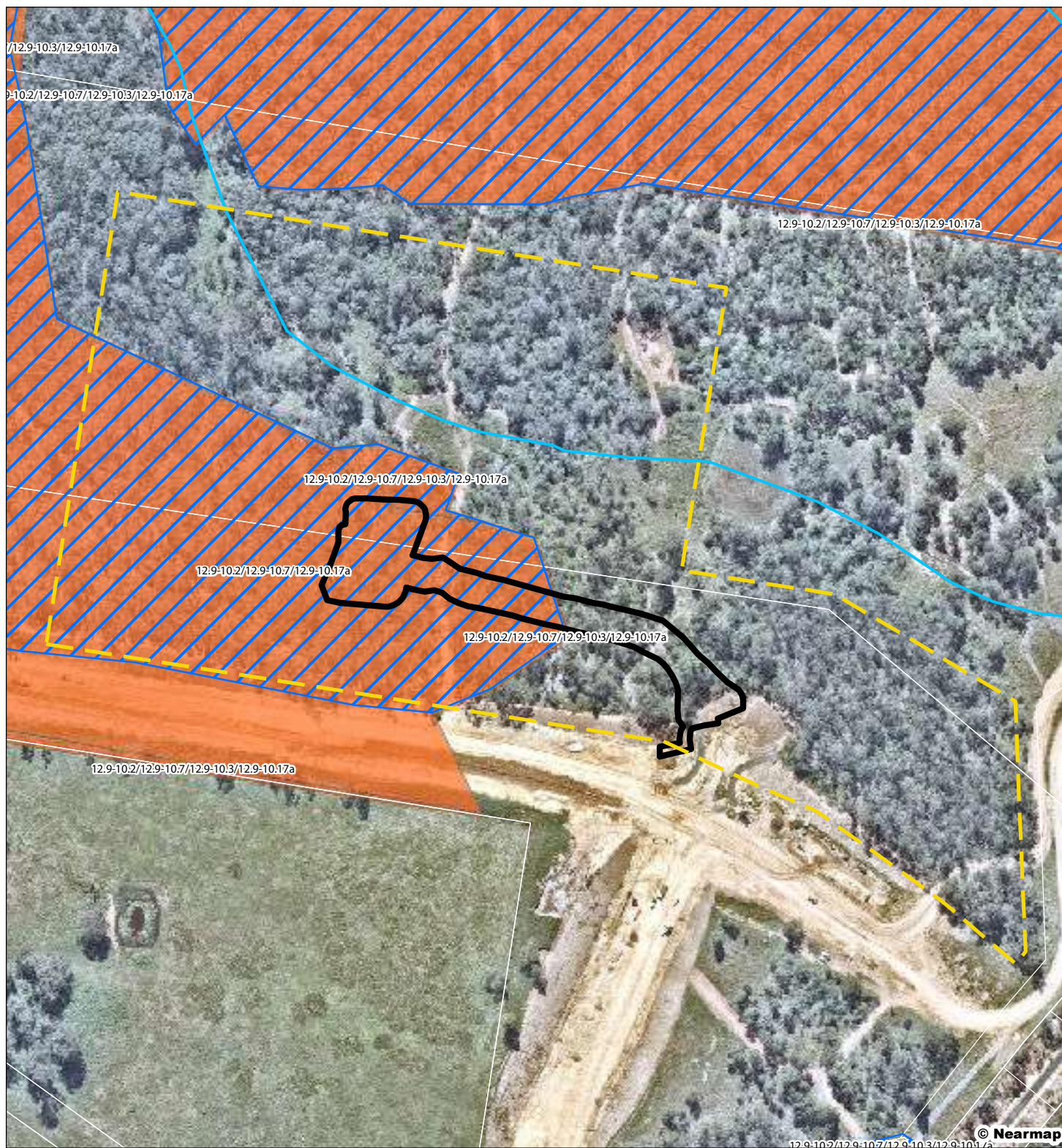
Scale (A4): 1:3,000 [GDA 2020 MGA Z56]



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Legend

- Qld DCDB
- Caretaker Dwelling construction works footprint
- Caretaker Dwelling bushfire management vegetation clearing area
- VM Watercourses
- VM Essential Habitat

Vegetation Management Regional Ecosystems Map

- Category A or B area containing of concern regional ecosystems
- Category C area containing of concern regional ecosystems

Figure 4

Vegetation Management Regional Ecosystem Map

File ref. 11731 E Figure 3 CTD VMRE B
Date 5/06/2025
Project Monarch Glen

0 20 40 60 80 100 m

Scale (A4): 1:3,000 [GDA 2020 MGA Z56]



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Legend

	Qld DCDB	Waterways
	Caretaker Dwelling construction works footprint	Risk of Impact
	Caretaker Dwelling bushfire management vegetation clearing area	 1 - Low
		 2 - Moderate
		 3 - High
		 4 - Major

Figure 5

Fisheries - Waterways for Waterway Barrier Works

File ref. 11731 E Figure 5 CTD Fisheries B
Date 5/06/2025
Project Monarch Glen

0 20 40 60 80 100 m
 Scale (A4): 1:3,000 [GDA 2020 MGA Z56]



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3. Ecological Assessment

Two Ecologists from SHG inspected the caretaker dwelling subject area on 1st May 2025 to confirm contemporary ecological values. The study area has undergone a comprehensive assessment of the terrestrial vertebrate fauna and faunal values of the subject land for inclusion within all previous overall ecological assessments for the Monarch Glen Project. The broader site assessment has been completed over a number of years.

3.1. Survey Methodology

Contemporary surveys include the following techniques:

- General Searches & Species Identification – The site was walked to ensure all vegetation communities and species were recorded and identified. Attention was paid to any threatened species or communities that were listed as possibly occurring on or within the vicinity of the application site and specific micro assemblages which may support these matters.
- Observational Survey – A detailed observational survey of the vertebrate fauna present on, or that may utilise, the study area including faunal lists and significance status of species under the EPBC Act which includes the Japan – Australia Migratory Bird Agreement and the Bonn Convention, as well as Queensland's NCA.
- Opportunistic Searches – Searches for fauna species throughout the caretaker dwelling site. This included generic fauna surveys and species-specific surveys using systematic methods in accordance with the Department of Science Information Technology Innovation and the Arts 'Terrestrial Vertebrate Fauna Survey Guidelines for Queensland'.
- Identification of habitat values within the area relevant to terrestrial vertebrate fauna, including hollow-bearing trees, nest sites, rocky outcrops, watercourses, leaf litter, denning or roosting structures and ecological corridors.
- Contemporary surveys included a DGPS tree plot of all mature trees (≥ 200 mm DBH) around the perimeter of the clearing extent and selectively through the impact area. All trees were concurrently examined for signs of fauna activity, including scats and scratches and/or habitat values.
- Particular attention was paid to any threatened species that were listed as possibly occurring on or within the vicinity of the application area and specific micro-assemblages which may support these threatened species. This included observations for vertebrate fauna present on or that may utilise the study area, including faunal lists and significance status of species under the Commonwealth's EPBC Act including the JAMBA, CAMBA, ROKAMBA and the Bonn Convention, and Queensland's NCA.

3.2. Flora Observations

The PMST identified Seven TECs as having potential to occur within 5 km of the site. In Queensland, the identified TECs are generally associated with the following Regional Ecosystems:

- Coastal Swamp Oak (*Casuarina glauca*) Forest of New South Wales and South East Queensland ecological community - RE 12.1.1 and 12.3.20.
- Lowland Rainforest of Subtropical Australia - RE 12.3.1, 12.5.13, 12.8.3, 12.8.4, 12.11.1, 12.11.10, 12.12.1 and 12.12.16.
- Poplar Box Grassy Woodland on Alluvial Plains – RE 11.3.2, 11.3.17, 11.4.7, 11.4.12 and 12.3.10.
- Swamp Tea-tree (*Melaleuca irbyana*) Forest of South-east Queensland – RE 12.9-10.11 and 12.3.3.3c.
- White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland – RE 11.8.2.a, 11.8.8, 11.9.9a, 13.3.1, 13.11.8, 13.12.9 and can also be a component of 11.3.23, 12.8.16, 13.3.4, 13.11.3 and 13.11.4.
- Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions
- Grey box-grey gum wet forest of subtropical eastern Australia

The caretaker dwelling site is a mixture of remnant and non-remnant vegetation dominated by the Regional Ecosystem 12.9-10.2. Under the VMA, the south of the site is mapped as Category B (remnant) of a composite Of Concern RE12.9-10.2 / 12.9-10.7/12.9-10.17 this vegetation has been rectified to entirely 12.9-10.2 under the endorsed PMAV 2007/007509. RE 12.9-10.2 is described as:

Corymbia citriodora subsp. *variegata* open forest or woodland usually with *Eucalyptus crebra*. Other species such as *Eucalyptus tereticornis*, *E. moluccana*, *E. acmenoides* and *E. siderophloia* may be present in scattered patches or in low densities.

Category X (non-remnant) vegetation is mapped across the north and east of the site and contains cleared areas dominated by weeds and patches of canopy regrowth.

The canopy within the Category B remnant vegetation is dominated by *Corymbia citriodora* (Spotted Gum) with *Eucalyptus crebra* (Narrow-leaved Ironbark), *Corymbia intermedia* (Pink Bloodwood), *Eucalyptus moluccana* (Gum-topped Box) and scattered *Eucalyptus tereticornis* (Forest Red Gum). This is consistent with the dominant RE 12.9-10.2. Some larger eucalypt trees have been retained but the median height of the T1 is approximately 20 m. This is consistent with vegetation that has been subject to historical clearing. The subcanopy has a median height of 12 m and contains a similar set of species to the canopy layer. The shrub layer is dominated by regrowth acacia and eucalypt species suggesting fire disturbance has resulted in mass germination of these species. *Lantana camara* (Lantana) is present across the entire site with increased density along the edge of the tracks. Where ground layer vegetation is present it is dominated by native species including *Imperata cylindrica* (Blady Grass) and *Dianella caerulea* (Blue Flax-lilly) (**Photoset 1**).



Photoset 1. Vegetation typical of mapped Category B vegetation.

Large eucalypts are scattered throughout the Category X vegetation that is generally more disturbed than the Category B vegetation. The majority of the canopy vegetation within the category X area is indicative of the Least Concern RE 12.9-10.2 RE with some element of the Of Concern RE 12.9-10.7 in the east of the site. Cleared paddocks areas are present in the east and central portions of the site that are dominated by exotic weed species such as *Sida cordifolia* (Flannel Weed), *Sporobolus pyramidalis* / *S. natalensis* (Giant Rat's Tail Grass), *Lantana camara* (Lantana), and *Ageratum houstonianum* (Blue Billygoat Weed).



Photoset 2. Regrowth vegetation (left) and cleared area (right) typical of the mapped Category X vegetation.

An historical vehicle access track passes through the site. The access track has been eroded and widened significantly through illegal 4wd and motorbike use. The vehicle access track intersects with the mapped low risk for waterway barrier works fisheries waterway. The mapped waterway is described as a drainage feature with a little to no bed or bank features. Where the access track crosses the mapped waterway a series of tire ruts are present (**Photoset 3**). Earthworks for the caretaker dwelling to the south of the mapped waterway and vegetation clearing will not impact the bed or bank of feature. Therefore, works associated with the

caretaker dwelling will not impact on a waterway. If works are required within the waterway, to restore the vehicle access for example, they will meet the ADR for low-risk waterways or, if temporary works, a notification sent to DAF.



Photoset 3. Vehicle track crossing of mapped fisheries waterway.

A total of 45 flora species were recorded on-site during field survey. This consisted of 29 native species and 16 introduced / weed species (**Table 3** and **Table 4**). Native flora recorded included *Corymbia citriodora* (Spotted Gum), *Eucalyptus tereticornis* (Forest Red Gum) and *Alphitonia excelsa* (Soap Tree). Four of the introduced / weed species are listed as restricted matters under the *Biosecurity Act 2014*. Introduced / weed species were recorded largely within the shrub and ground layers, and included *Lantana camara* (Lantana), *Baccharis halimifolia* (Groundsel) and *Sporobolus pyramidalis* / *S. natalensis* (Giant Rat's Tail Grass).

No NCA-listed flora species were observed as part of the contemporary or historical surveys within the Caretaker Dwelling works boundary, nor proximal to it. Field surveys have identified individual specimens of *M. irbyana* within the broader project site, however, they are not to be impacted by the caretaker dwelling works. Notably, *M. irbyana* specimens located across the broader site were not of sufficient structure, density or size to constitute the Swamp Tea-tree Forest of South-east Queensland TEC. Therefore, no TECs nor REs associated with TECs were observed on or in vicinity to the site.

Table 3: Native flora species recorded

Scientific name	Common name
<i>Acacia concurrens</i>	Black Wattle
<i>Acacia disparrima</i>	Hickory Wattle
<i>Acacia melanoxylon</i>	Australian Blackwood
<i>Alphitonia excelsa</i>	Soap Tree
<i>Aristida vagans</i>	Threeawn Speargrass
<i>Capillipedium parviflorum</i>	Scented-top Grass
<i>Commelina diffusa</i>	Native Wandering Jew
<i>Corymbia citriodora</i>	Spotted Gum
<i>Corymbia intermedia</i>	Pink Bloodwood
<i>Cynodon dactylon</i>	Greencouch
<i>Cyperus gracilis</i>	Slender Sedge
<i>Dianella caerulea</i>	Blue Flax-lilly
<i>Eragrostis brownii</i>	Brown's Lovegrass
<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark
<i>Eucalyptus moluccana</i>	Gum-topped Box
<i>Eucalyptus siderophloia</i>	Grey Ironbark
<i>Eucalyptus tereticornis</i>	Forest Red Gum
<i>Fimbristylis ferruginea</i>	Fringed Rush
<i>Gahnia aspera</i>	Saw Sedge
<i>Goodenia rotundifolia</i>	Star Goodenia
<i>Imperata cylindrica</i>	Blady Grass
<i>Juncus usitatus</i>	Common Rush
<i>Lobelia purpurascens</i>	White Root
<i>Lophostemon suaveolens</i>	Swamp Box
<i>Maclura cochinchinensis</i>	Cockspur Vine
<i>Panicum decompositum</i>	Native Millet
<i>Panicum effusum</i>	Hairy Panic
<i>Parsonsia straminea</i>	Monkey Rope
<i>Philydrum lanuginosum</i>	Woolly Frogmouth
<i>Themeda triandra</i>	Kangaroo Grass

Table 4: Introduced / weed flora species recorded

Scientific Name	Common Name	Weed Restriction Biosecurity Act 2014
<i>Ageratum houstonianum</i>	Blue Billygoat Weed	
<i>Ambrosia artemisiifolia</i>	Annual Ragweed	Restricted Invasive Plant Category 3
<i>Baccharis halimifolia</i>	Groundsel	Restricted Invasive Plant Category 3
<i>Chamaecrista rotundifolia</i>	Round-leaf Cassia	
<i>Chloris gayana</i>	Rhodes Grass	
<i>Cyperus polystachyos</i>	Bunchy Sedge	
<i>Gomphocarpus physocarpus</i>	Balloon Cotton Bush	
<i>Lantana camara</i>	Lantana	Restricted Invasive Plant Category 3
<i>Ludwigia longifolia</i>	Primrose Willow	
<i>Scoparia dulcis</i>	Licorice Weed	
<i>Sida cordifolia</i>	Flannel Weed	
<i>Sida rhombifolia</i>	Common Sida	
<i>Sporobolus pyramidalis</i> / <i>S. natalensis</i>	Giant Rat's Tail Grass	Restricted Invasive Plant Category 3
<i>Stachytarpheta cayennensis</i>	Snakeweed	
<i>Urochloa decumbens</i>	Signal Grass	

3.3. Fauna Observations

Key findings of the contemporary survey undertaken are as follows:

- The PMST identified 34 fauna species as possibly occurring on site (**Appendix B**). No threatened fauna species listed under the EPBC Act were recorded during the field survey.
- A Wildlife Online Search listed five protected fauna species as possibly occurring on-site, including *Phascolarctos cinereus* (Koala), *Ninox strenua* (Powerful Owl) (**Appendix C**) No threatened fauna species listed under the NCA were recorded during the field survey.
- Most fauna species observed throughout the contemporary survey were avifauna typical of highly modified environments. No fauna species listed under Commonwealth legislation or protected under the NCA were observed during the contemporary field survey (**Table 5**).

Table 5: Recorded fauna species

Scientific name	Common name
BIRDS	
<i>Coturnix ypsilophora</i>	Brown Quail
<i>Lichmera indistincta</i>	Brown Honeyeater
<i>Psophodes olivaceus</i>	Eastern Whipbird
<i>Rhipidura fuliginosa</i>	Grey Fantail
<i>Meliphaga lewinii</i>	Lewin's Honeyeater
<i>Philemon corniculatus</i>	Noisy Friarbird
<i>Geopelia striata</i>	Peaceful Dove
<i>Pardalotus striatus</i>	Striated Pardalote
<i>Gerygone olivacea</i>	White-throated Gerygone
<i>Rhipidura leucophrys</i>	Willie Wagtail

4. Natural Environment Site Strategy

4.1. Natural Environment Site Strategy criteria

Although this is a stand-alone operational works vegetation clearing application, the higher level MCU approval maintains an EDQ endorsed Natural Environment Site Strategy (NESS) that identifies significant biodiversity values across the broader project site and is worth further interrogation here. The NESS was prepared by SHG in 2017 in accordance with PDA Guidelines 14 and 17 and relied upon detailed ecological surveys and assessments.

The NESS criteria are assessed further below for the caretaker dwelling application:

- Survey, Identification, Reporting and Management – a significant biodiversity assessment is required to be developed for each development stage that potentially impacts on identified significant biodiversity values. Field surveys (contemporary and historical) have been conducted to identify the lack of Significant Biodiversity Values within the caretaker dwelling subject area.
- Confirmed Areas of Remnant Vegetation Containing Endangered Regional Ecosystems – there are no confirmed areas of remnant vegetation Containing Endangered Regional Ecosystems within the caretaker dwelling works boundary; therefore, this element would not apply.
- Other Vegetation – there will be removal of remnant vegetation not of endangered status within works extent. All clearing of native vegetation will be managed through the implementation of a Vegetation Clearing & Fauna Management Plan (VCFMP) (**Appendix D**).
- Koala – the removal of Koala habitat is being compensated through a Federal offset.
- Extinct, Endangered, Vulnerable and/or Near Threatened Species – a VCFMP will be implemented to manage fauna during the clearing phases. No EVNT species were recorded within the boundary of the caretaker dwelling site.
- Native Fauna (non-EVNT)– a VCFMP will be implemented to manage fauna during the clearing phases.
- Waterways & Drainage Features – no major drainage lines nor anything identified as a Significant Biodiversity Value are situated within the caretaker dwelling site.
- Land Degradation – an Erosion and Sediment Control Plan will be implemented to manage impacts from clearing and landscaping and potential deposition of erosion.
- Pest and Weed species – on-site rehabilitation includes the removal of weed and pest species. This element will be monitored, measured and managed throughout the course of the project.
- Monitoring, Management Plans & Reporting – A VCFMP is provided with this application.

4.2. Natural environmental features

As defined by the NESS, the caretaker dwelling contains the following natural features:

- areas of juvenile native vegetation; and
- a polygon of low order remnant vegetation.

Areas of juvenile native vegetation and low order remnant vegetation are not identified as Significant Biodiversity Values under the NESS, and are instead Other Biodiversity Values.

As this is a stand-alone operational works vegetation clearing application, for clarity the following section further addresses criteria specified in Guideline 14. As mentioned earlier, the provisions of Guideline 17 are not applicable.

5. PDA Guideline 14 response

As highlighted within the previous section, the caretaker dwelling does not include areas identified as having Significant Biodiversity Values under the NESS. For clarity, an additional response to criteria illustrated within Guideline 14 is provided in **Table 6**.

Table 6: Response to PDA Guideline 14

Values	Strategies	Comments
1. Significant terrestrial biodiversity values Areas of significant biodiversity value may include: ▪ Land mapped in the applicable PDA development scheme as having significant biodiversity values ▪ Mapped biodiversity corridors identified in the applicable PDA development scheme ▪ Other areas of significance identified in the applicable PDA development scheme ▪ Viable areas of remnant vegetation containing endangered regional ecosystems as defined in Appendix 1 ▪ Listed threatened species habitat	Identify significant terrestrial biodiversity values within and adjoining the development area by undertaking: ▪ Robust field surveys ▪ Desktop assessments using local, state and commonwealth environment databases and mapping searches Demonstrate how the development minimises impacts on significant biodiversity values by minimising vegetation clearing generally within the area and by specifically: ▪ Retaining and enhancing areas of viable remnant vegetation containing endangered regional ecosystems as defined in Appendix 1 ▪ Avoiding, minimising or off-setting the clearing of non-viable remnant vegetation containing endangered regional ecosystems as defined in Appendix 1 ▪ Minimising the clearing of remnant and regulated regrowth vegetation within the area ▪ Providing adequate buffers between development and any identified significant biodiversity value within or adjoining the development site ▪ Providing management plans to reduce and control clearing and manage other development and construction impacts in the area.	The project area and surrounding site has been subject to both desktop and on ground ecological assessments by SHG to identify existing ecological values at the site. The results of which have been summarised for the caretaker dwelling application area in this Ecological Technical Memo. Desktop reporting was undertaken to inform on ground ecological surveys which included ground truthing flora, fauna, habitat and waterway field assessments over the entire project extent. Robust ecological surveys were undertaken in accordance with Commonwealth and State survey guidelines and best practice methods. Targeted flora and fauna surveys were undertaken specifically to identify the potential presence of EVNT species and locate ecologically significant areas. The results have been used to describe various on-site habitat and vegetation characteristics. As discussed in this SBTR, there are no areas within the caretaker dwelling works extent that meet the Guideline 14 definition of a significant biodiversity value (including as identified under the NESS). Therefore, the proposal does not involve the removal of areas identified as having significant biodiversity values. The proposed clearing extent of approximately 9 ha does not contain any areas of ground-truthed viable endangered vegetation. The site, which has been subject to certified PMAVs contains Category X (non-remnant) and a portion of Least Concern vegetation. Only viable

Values	Strategies	Comments
		Endangered Remnant Vegetation is identified as significant under Guideline 14. The removal of a small patch of remnant Least Concern vegetation is to occur as a result of the Caretaker Dwelling works. The removal of vegetation has been minimised to that required to make the dwelling bushfire immune and a VCFMP to manage clearing has been developed and included with this application. There is an adequate vegetation buffer retained between significant biodiversity value areas and development as per the higher level MCU approval and associated NESS. Within the broader context, the site does not contain, nor is it located proximal to, any areas identified as Environmental Protection, Biodiversity Corridors or other areas of ecological significance under the GFPDA. The entire project site, and immediate surrounding area within the PDA is zoned as Urban Living. This zone has been strategically identified as containing areas suitable for urban development to minimise impacts on landscape scale significant biodiversity values. Field surveys have identified individual specimens of <i>M. irbyana</i> within the broader project site, however, they are not to be impacted by the caretaker dwelling works. As <i>M. irbyana</i> are present in the broader project site, a Protected Plants Clearing Permit to manage <i>M. irbyana</i> across the broader urban development extent for Monarch Glen has been granted by the Department of Environment and Science (refer WA0064219). This permit includes the establishment of a <i>M. irbyana</i> thicket secured as a Category A area as an offset.

Values	Strategies	Comments
2. Ecological connectivity	- Identify priority vegetation patches, fauna habitat features and fauna movement corridors in and beyond the application site through detailed site assessments completed in accordance with the relevant local government authority guidelines or planning scheme policies for ecological assessment - Retain vegetation connections between priority vegetation patches, fauna habitat features and fauna linkages to ensure ecological connectivity is maintained or enhanced - Minimise locating major infrastructure through identified corridor linkages - Undertake strategic rehabilitation of degraded land where required to improve or create functioning corridors.	Ecological assessments completed by SHG in accordance with Guideline 14 requirements have been conducted across the entire project extent including the large areas situated in the west of the larger project area designated for retention. The caretaker dwelling works area was not observed to contribute to a fauna movement corridor, nor identified as a suitable corridor linkage. The site is adjacent to the newly constructed Flinders Lake Drive and therefore will suffer significant edge effects from vehicle traffic. Outside of the caretaker dwelling works boundary, within the broader project extent, evidence of Koala was found in the form of scats with direct observations of individuals in earlier surveys. Across the broader project area, the proposed on-site conservation area directly adjoins the neighbouring remnant vegetation and will ensure continued connectivity through the Sandy Creek Biodiversity Corridor in the north of the project site. The application area does not contain areas of ground-truthed viable endangered vegetation and is located within areas of Category X (non-remnant) and Least Concern remnant vegetation. These are not considered to be significant biodiversity values under Guideline 14.
3. Sustainable landscaping practices	- Incorporate biodiversity friendly landscape principles and practices such as retaining habitat trees in road reserves and opens space areas - Maximise use of locally occurring native species in landscaping - Identified opportunities for revegetation and rehabilitation along waterways and biodiversity corridors	Sustainable landscape principles and practices will be incorporated within the development area under the proposal. These will include plantings from a localised native species pallet.

Values	Strategies	Comments
4. Bushfire risk management	- Ensure significant biodiversity values are protected from exempt clearing by ensuring new built infrastructure is adequately set back from identified biodiversity areas - Where a firebreak is required to protect new infrastructure ensure clearing associated with the firebreaks is located external to significant biodiversity areas.	A Bushfire Management Plan has been completed for the caretaker dwelling area. The recommendation was to create a buffer surrounding the site to make the dwelling bushfire immune.

Values	Strategies	Comments
1. Wetlands	- Identify and accurately map the extent of, and describe the values for, any identified wetlands of high ecological significance and referable wetlands - Provide adequate buffers between development and wetlands that are in and adjacent to the PDA (where feasible incorporate open space, storm water treatment or fauna corridors within wetland buffers) - Where a wetland of high ecological significance occurs, a minimum buffer of 50 metres between the development proposal and the wetland is recommended	SARA Wetland Protection Area mapping and SPP MSES mapping does not identify protected wetlands within or adjacent to the proposal area. Surveys by SHG confirmed that no natural wetland values were identified across the site.
2. Waterways	- Identify and accurately map waterways in accordance with DES' stream order hierarchy (1-5). - Determine existing and proposed waterway values of site stream orders (e.g. Intact remnant vegetation, riparian values, fauna connectivity,	The mapped waterway is described as a drainage feature with a little to no bed or bank features. Where the access track crosses the mapped waterway a series of tire ruts are present. Earthworks for the caretaker dwelling to the south of the mapped waterway and vegetation clearing will not impact the

Values	Strategies	Comments
	natural water quality function, watercourse stability) - Retain waterways in their undisturbed condition by minimising disturbance to natural drainage. Where this is not proposed provide a detailed waterway assessment report justifying encroachment or removal of waterway areas. - Provide adequate buffers between development and retained waterways to provide waterway protection including temperature, bank stability, light, aquatic habitat, terrestrial habitat. - Where waterways have been designated or identified to provide dual use (fauna corridor, open space connection, stormwater conveyance) provide additional buffer setback.	bed or bank of feature. Therefore, works associated with the caretaker dwelling will not impact on a waterway. If works are required within the waterway, to restore the vehicle access for example, they will meet the ADR for low-risk waterways or, if temporary works, a notification sent to DAF.
3. Water Quality	- Water discharge to on-site and adjacent water systems (freshwater, estuarine and marine) must meet water quality standards under current Queensland legislation. - Soil disturbance must be managed to avoid associated contaminants entering adjacent water systems. - Identify nutrient hazard areas and appropriately manage soil and groundwater disturbance to avoid or minimise nutrient mobilisation that may increase the risk of coastal algal blooms. - Avoid or minimise waste water discharge from the site in accordance with a waste water management plan prepared by a suitably qualified person.	Stormwater Management and Erosion and Sediment Control Plans will be prepared as part of this application and will manage and minimise potential impacts on mapped waterways lower in the catchment.

Values	Strategies	Comments
	▪ Avoid areas with highly permeable soils or a high water table when locating waste disposal activities or facilities. ▪ Provide adequate buffers for water quality between development and retained waterways.	

6. Conclusions

This Ecological Technical Memo was prepared on behalf of Monarch Glen No 1 Pty Ltd as trustee of the Monarch Glen Trust No 1 to determine the potential environmental impacts associated with the caretaker dwelling works extent within the masterplan development located at Monarch Glen. This report provides a contemporary review of the ecological values across the caretaker dwelling site and the wider Monarch Glen master-planned area, identified through desktop analysis and field survey, in accordance with Commonwealth, State and Local Government Legislation in support of a stand-alone operation works vegetation clearing application to EDQ.

Overall, the following conclusions can be made:

- The application area does not contain natural features that meet the Significant Biodiversity Value classification.
- This caretaker dwelling application is considered compliant with the achievement criteria of the higher level endorsed NESS.
- No protected plants were identified within the caretaker dwelling works boundary, nor were they identified within close proximity to the works extent.
- A mapped low risk waterway for waterway barrier works traverses the bushfire buffer clearing area. No works are proposed within the waterway and should any temporary works be conducted, the relevant notifications will be prepared and sent.
- No other threatened species nor communities listed under the NCA or EPBC Act were observed during the contemporary field survey.

7. Recommendations

7.1. Management and Compensatory Measures

A number of management and compensatory measures are proposed to minimise and offset impacts associated with the development. These measures are discussed in the following subsection.

7.1.1 Vegetation Clearing and Fauna Management Plan

Appendix D is a VCFMP and forms part of the broader management documents submitted.

The VCFMP covers clearing of all vegetation listed in this report and includes details on:

- trees marked for removal;
- all civil works likely to impact existing vegetation;
- temporary and permanent exclusion and protection fencing;
- roles and responsibilities for site contractors, the developer and the consultant group;
- stockpiling and site access locations;
- a clearing sequence plan showing the commencement of clearing and direction of removal to allow for the appropriate flushing of fauna towards safe havens;
- fauna species surveyed as using the site, focusing on those most likely impacted by development works;
- a list of relevant State and Commonwealth legislation constraints and controls for fauna potentially affected by development works;
- a plan showing existing habitat opportunities and locations;
- details of the threats to existing fauna species;
- management and mitigation measures – i.e. temporary use of fauna exclusion fencing;
- description of fauna spotter role, contacts and certification;
- specific fauna management procedures for potential or known habitat trees;
- links to weed management and revegetation proposals; and
- stock piling and reuse of cleared vegetation.

8. Appendices

Appendix A

Caretaker dwelling earthworks design

Appendix B

EPBC Act Protected Matters Report

Appendix C

NCA Wildlife Online Search Results

Appendix D

Vegetation Clearing and Fauna Management Plan

Appendix A

Caretaker dwelling earthworks design

PLOT - 03 Jul 2025 05:11 PM LOCATION - H:\22\22-0408 UrduUllah (Jotown), Flagstone\Acad\IROL 4\CARETAKER\24-0750-0900-(COVER PLAN).dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS			SCALE			CLIENT		PROJECT NAME		DRAWING TITLE		
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B	23.04.25	NK	TP	AMENDED BUFFER ZONE										PROJECT No.						
C	22.05.25	NK	TP	AMENDED BUILDING ENVELOPE										DRAWING No.						
D	27.05.25	NK	TP	AMENDED PLANS										REVISION						
E	02.07.25	NK	DH	REDUCED DRIVEWAY WIDTH																
F	03.07.25	NK	DH	EARTHWORKS UPDATED																
							DESIGN	APPROVED	DATE											
								DANIEL COLLINS	RPEQ 18631	3.07.25										
							FOR AND ON BEHALF OF COLLIER'S INTERNATIONAL ENGINEERING & DESIGN PTY LTD													

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. THE EXISTING SERVICES THAT ARE SHOWN ON THE DRAWINGS ARE PROVIDED FOR INFORMATION PURPOSES ONLY. NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR INFORMATION THAT HAS BEEN SUPPLIED BY OTHERS, OR ANY EXISTING SERVICES THAT MAY BE PRESENT NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
3. ALL CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
5. THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
7. THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS.
8. THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.
9. HOLD POINT: ONCE THE BASE OF MANHOLES, INSPECTION PITS, GULLIES AND FIELD INLETS FOR STORMWATER DRAINAGE AND SEWER RETICULATION HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
10. THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE MOVEMENT OF TRAFFIC AND THE PROTECTION OF PERSON AND PROPERTY THROUGH AND AROUND THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC MANAGEMENT INCLUDING THE DESIGN, CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ROADWAYS, DETOURS, SIGNS, LIGHTS AND BARRIER AS REQUIRED STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY REQUIREMENTS.

BULK EARTHWORKS NOTES

1. NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
2. THE CONTRACTOR SHALL UNDERTAKE ALL CLEARING USING INDUSTRY BEST PRACTICE INCLUDING CONSIDERATION OF FAUNA RELOCATION.
3. THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
4. THE CONTRACTOR SHALL CONSIDER LOADS GENERATED BY THE EARTHWORKS OPERATIONS SO AS TO AVOID DAMAGE TO ALL PIPES, SERVICES AND STRUCTURES.
5. THE EARTHWORKS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT'S SEDIMENT AND EROSION CONTROL PLAN, WHERE APPLICABLE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLANNING, DESIGN, CERTIFICATION, IMPLEMENTATION AND MAINTENANCE OF AN EROSION AND SEDIMENT CONTROL PLAN THAT IS COMPLIANT WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINE 'BEST PRACTICE EROSION AND SEDIMENT CONTROL' AND RELEVANT COUNCIL POLICIES.
7. ALLOTMENT FINISHED SURFACE LEVELS, SHOWN ON THE LAYOUT PLAN, INDICATE THE FINISHED SURFACE LEVEL AFTER TOPSOIL PLACEMENT.

ROADWORKS AND DRAINAGE NOTES

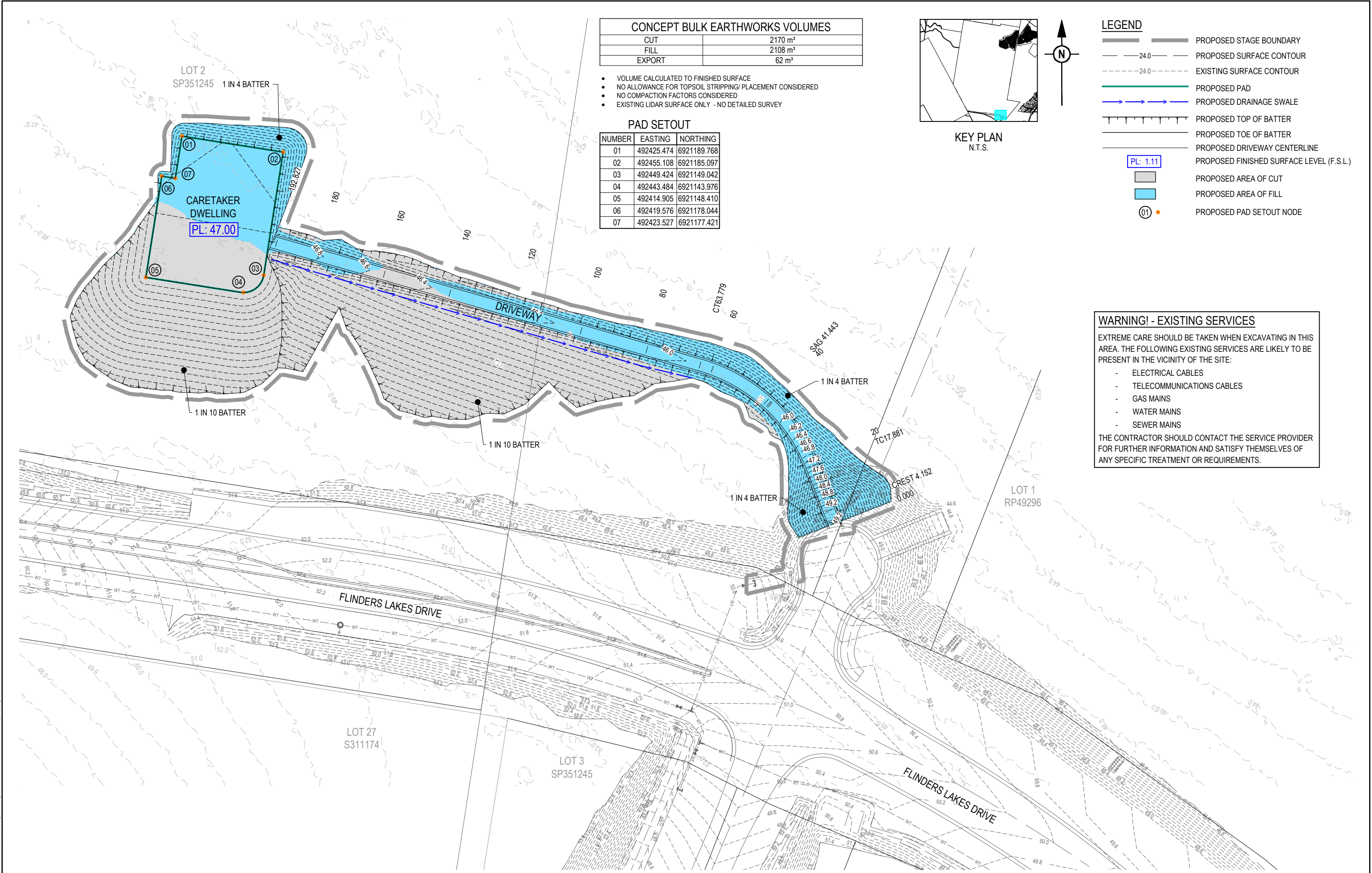
1. ALL WORKS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
2. NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
3. NEW CONSTRUCTION SHALL BE NEATLY JOINED TO EXISTING FORMATION. WHERE REQUIRED, THE EXISTING FORMATION SHALL BE SAW CUT IN ACCORDANCE WITH IPWEAQ STD DRG RS-170. LEVELS AND GRADIENTS AT CONNECTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE A SMOOTH CONNECTION.
4. THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
5. THE CONTRACTOR SHALL SUPPLY THE SUPERINTENDENT WITH THE SUBGRADE TEST RESULTS NECESSARY FOR ALL PAVEMENT DESIGN.
6. THE CONTRACTOR SHALL ENSURE A MINIMUM OF 75mm TOPSOIL TO ALL VERGE AND BATTER AREAS (AND STABILISATION AS ORDERED)
7. THE CONTRACTOR SHALL INSTALL ALL FOOTPATH AND PRAM RAMPS IN COMPLIANCE WITH THE AUTHORITY'S STANDARD DRAWINGS. PRAM RAMPS ARE TO BE LOCATED CLEAR OF DRAINAGE GULLY PITS AND FUTURE DRIVEWAY POSITIONS INDICATED ON THE LAYOUT PLANS.
8. THE CONTRACTOR SHALL INSTALL SUBSOIL DRAINS UNDER ALL KERBS AS REQUIRED BY THE LOCAL AUTHORITY'S STANDARDS.
9. THE CONTRACTOR SHALL ENSURE THAT ALL RETAINING WALL SUBSOIL DRAINS ARE TO CONNECT TO EITHER KERB ADAPTORS, STORMWATER DRAINAGE STRUCTURES OR KERB SUBSOIL DRAINS. CONTRACTOR TO DEMONSTRATE TO SUPERINTENDENT THAT SUITABLE CONNECTIONS HAVE BEEN PROVIDED FOR ALL WALLS.
10. ALL STORMWATER DRAINAGE MATERIALS, BEDDING, JOINTING AND STEP IRON REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITIES STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
11. THE STORMWATER PIPE CLASSES HAVE BEEN DESIGNED FOR SERVICE LOADS ONLY. THE CONTRACTOR SHALL ASSESS THE SUITABILITY OF MACHINERY USED ON SITE AND THE ANTICIPATED CONSTRUCTION LOADS, AND UPGRADE THE PIPE CLASSES IF NECESSARY IN ACCORDANCE WITH AS3725-2007.
12. THE TERM D_{50} DOCUMENTED ON THE DRAWINGS, IN RELATION TO ROCK ARMORING, CORRESPONDS TO THE REQUIRED MEDIAN DIAMETER OF THE PLACED ROCKS. THE ROCKS USED SHALL NOT VARY IN SIZE BY +/- 30% OF THE PROPOSED D_{50} SIZE.

ROOFWATER NOTES

1. THE GEOMETRIC CENTRE SHALL BE TAKEN AS THE SETOUT POINT FOR ALL STRUCTURES, UNLESS DETAILED OTHERWISE.
2. ROOFWATER ALIGNMENT, COVER, MATERIALS, BEDDING, JOINTING AND STEP IRON REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S STANDARD DRAWINGS, METHODS AND SPECIFICATIONS.
3. ALL PVC PIPES ARE TO BE MINIMUM CLASS SN8.
4. END CAPS SHALL BE INSTALLED ON ENDS OF ALL PIPES AND STUBS.
5. WHERE ROOFWATER PIPES ARE ALIGNED BEHIND PROPOSED RETAINING WALLS, THE CONTRACTOR IS TO REFER TO THE SPECIFIC PROJECT DESIGN DETAILS AND CONFIRM CLEARANCES WITH THE SUPERINTENDENT PRIOR TO LAYING OF THE PIPES.
6. PROPERTY CONNECTIONS SHALL BE 150Ø UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL EXTEND CONNECTIONS A MINIMUM OF 1.0m BEYOND ADJACENT SEWER LINES, WHERE APPLICABLE.
7. IN INSTANCES WHERE REAR ALLOTMENT DRAINAGE IS NOT PROVIDED, THE CONTRACTOR SHALL INSTALL A ROOFWATER CONNECTION TO EACH PROPERTY BY ONE OF THE FOLLOWING METHODS, AS SHOWN ON THE LAYOUT PLAN:
 - TWO ROOFWATER KERB ADAPTOR 500mm FROM THE DOWNSTREAM BOUNDARY (UNLESS SHOWN ON A DIFFERENT ALIGNMENT). WHERE THERE IS A CONCRETE FOOTPATH, A ROOFWATER PIPE SHALL BE INSTALLED FROM THE PROPERTY BOUNDARY CONNECTED TO THE KERB ADAPTOR AT 1.25% MINIMUM GRADE IN ACCORDANCE WITH COUNCIL'S STANDARDS.
 - ONE 150Ø ROOFWATER PIPE CONNECTED TO PROPOSED STORMWATER GULLY PIT OR MANHOLE AT MINIMUM 1.0% GRADE WITH 1.0m COVER.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS		SCALE		CLIENT	PROJECT NAME	DRAWING TITLE		
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C	27.05.25	NK	TP	AMENDED PLANS												
D	02.07.25	NK	DH	REDUCED DRIVEWAY WIDTH												
E	03.07.25	NK	DH	EARTHWORKS UPDATED												
							DESIGN	APPROVED								
								DANIEL COLLINS	RPEQ 18631	DATE	3.07.25					
								FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD						PROJECT No.	DRAWING No.	REVISION
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CONCEPT BULK EARTHWORKS VOLUMES	
CUT	2170 m³
FILL	2108 m³
EXPORT	62 m³

- VOLUME CALCULATED TO FINISHED SURFACE
- NO ALLOWANCE FOR TOPSOIL STRIPPING/ PLACEMENT CONSIDERED
- NO COMPACTION FACTORS CONSIDERED
- EXISTING LIDAR SURFACE ONLY - NO DETAILED SURVEY

PAD SETOUT		
NUMBER	EASTING	NORTHING
01	492425.474	6921189.768
02	492455.108	6921185.097
03	492449.424	6921149.042
04	492443.484	6921143.976
05	492414.905	6921148.410
06	492419.576	6921178.044
07	492423.527	6921177.421

- LEGEND**
- PROPOSED STAGE BOUNDARY
 - 24.0 PROPOSED SURFACE CONTOUR
 - 24.0 EXISTING SURFACE CONTOUR
 - PROPOSED PAD
 - PROPOSED DRAINAGE SWALE
 - PROPOSED TOP OF BATTER
 - PROPOSED TOE OF BATTER
 - PROPOSED DRIVEWAY CENTERLINE
 - PROPOSED FINISHED SURFACE LEVEL (F.S.L.)
 - PROPOSED AREA OF CUT
 - PROPOSED AREA OF FILL
 - PROPOSED PAD SETOUT NODE

WARNING! - EXISTING SERVICES

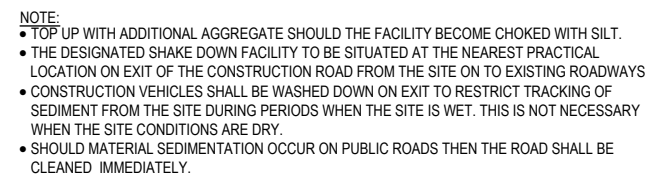
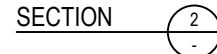
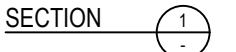
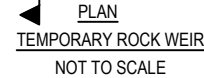
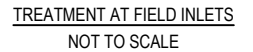
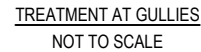
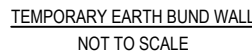
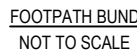
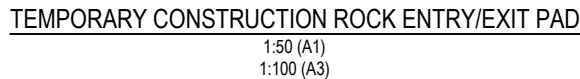
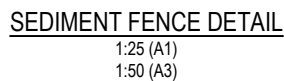
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

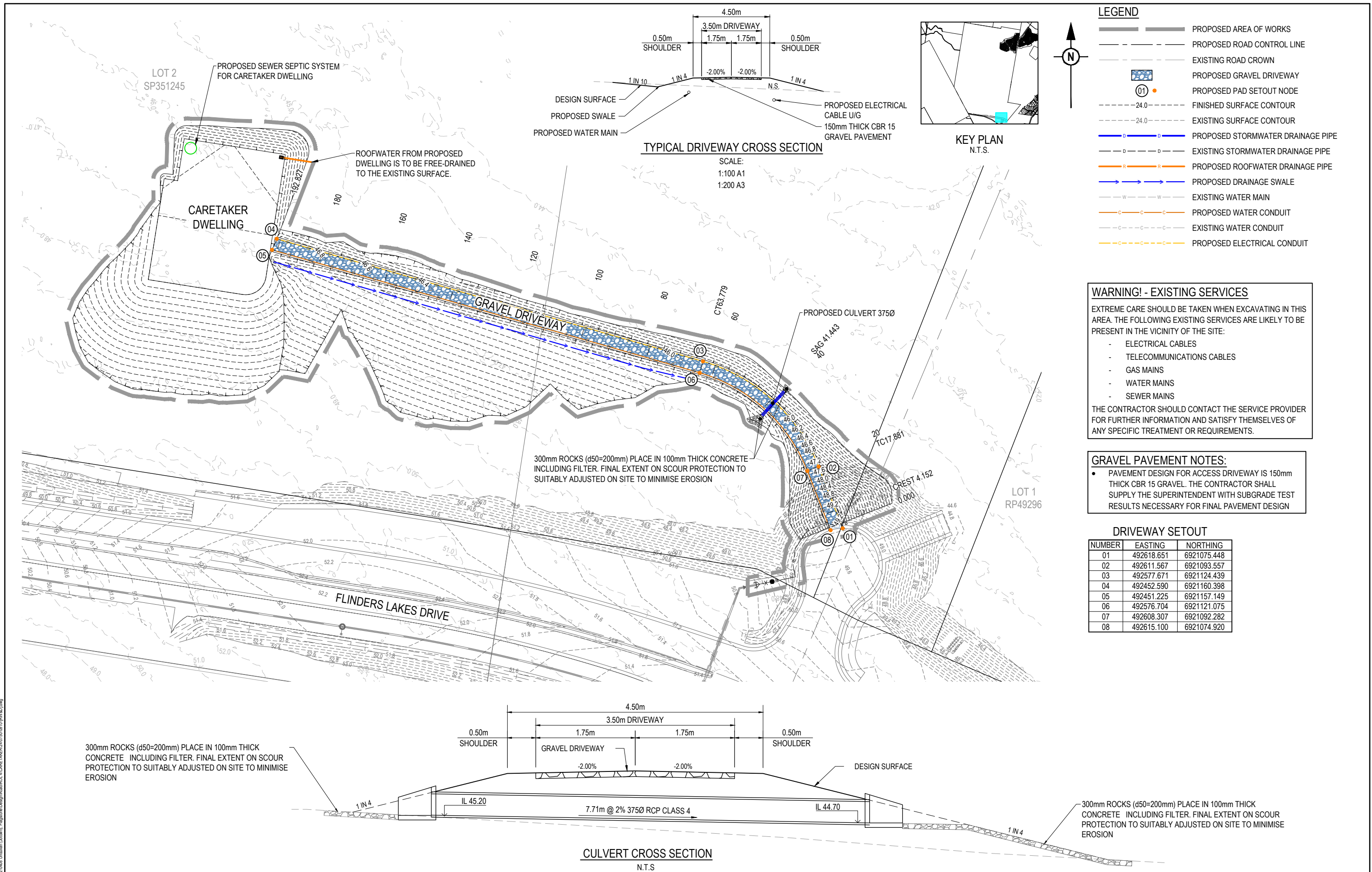
- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

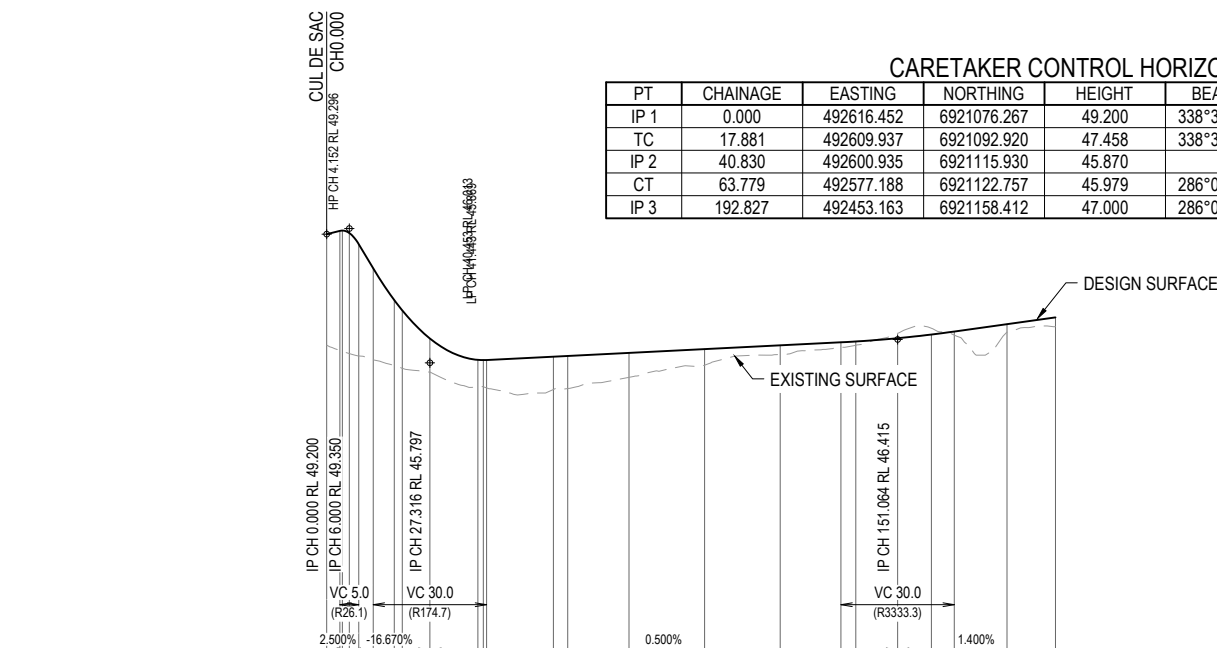
PLOT: 03 JUL 2025 05:12 PM LOCATION: H:\2222-0403 Unbuilt\John\Flinders Lakes Drive\4-Caretaker\Design\ASAP\ROL_4-CARETAKER\24-0750-0005-BEWM.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS					CLIENT	PROJECT NAME	DRAWING TITLE		
A	16.04.25	NK	TP	ORIGINAL ISSUE				NOT FOR CONSTRUCTION							BULK EARTHWORKS LAYOUT PLAN		
B	22.05.25	NK	TP	AMENDED BUILDING ENVELOPE													
C	27.05.25	NK	TP	AMENDED PLANS													
D	02.07.25	NK	DH	REDUCED DRIVEWAY WIDTH													
E	03.07.25	NK	DH	EARTHWORKS UPDATED													

[illegible]



REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS			SCALE		CUSTOMER		PROJECT NAME	DRAWING TITLE		
A	16.04.25	NK	TP	ORIGINAL ISSUE				NOT FOR CONSTRUCTION	DATE 3.07.25		A1 A3		MONARCH GLEN No. 1 PTY LTD		ROADWORKS AND DRAINAGE LAYOUT PLAN			
B	22.05.25	NK	TP	AMENDED BUILDING ENVELOPE														
C	27.05.25	NK	TP	AMENDED PLANS														
D	02.07.25	NK	DH	REDUCED DRIVEWAY WIDTH														
E	03.07.25	NK	DH	EARTHWORKS UPDATED														
							DESIGN	APPROVED DANIEL COLLINS	RPEQ 18631			ASSOCIATED CONSULTANT	FLINDERS LAKES DRIVE, MONARCH GLEN	PROJECT No. 24-0750	DRAWING No. 910	REVISION E		
							FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD											

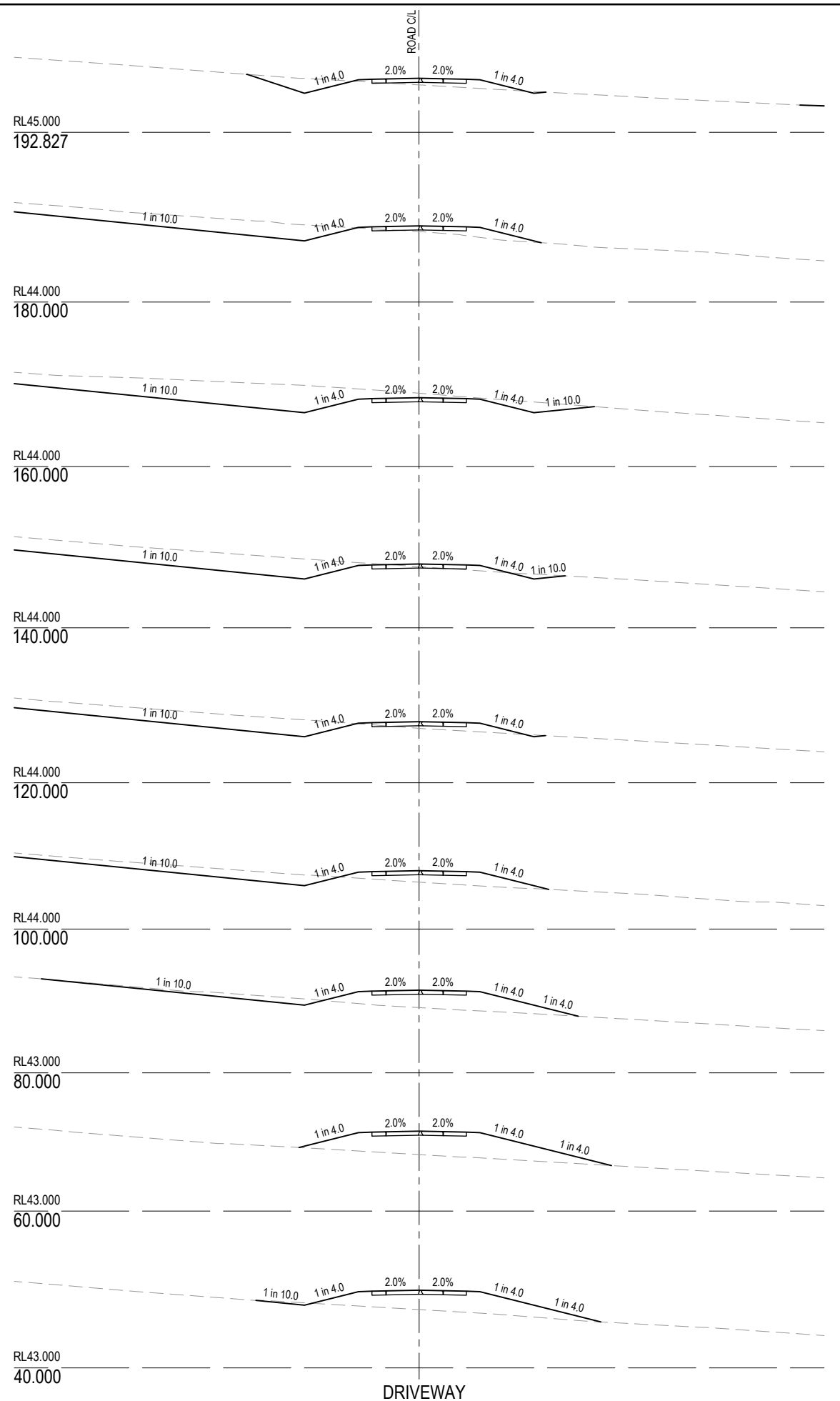


CARETAKER CONTROL HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	492616.452	6921076.267	49.200	338°38'02.27"			
TC	17.881	492609.937	6921092.920	47.458	338°38'02.27"			
IP 2	40.830	492600.935	6921115.930	45.870		R = -50.000	45.898	52°35'41.68"
CT	63.779	492577.188	6921122.757	45.979	286°02'20.59"			
IP 3	192.827	492453.163	6921158.412	47.000	286°02'20.59"			



GRAVEL PAVEMENT NOTES:

- PAVEMENT DESIGN FOR ACCESS DRIVEWAY IS 150mm THICK CBR 15 GRAVEL. THE CONTRACTOR SHALL SUPPLY THE SUPERINTENDENT WITH SUBGRADE TEST RESULTS NECESSARY FOR FINAL PAVEMENT DESIGN

[illegible]

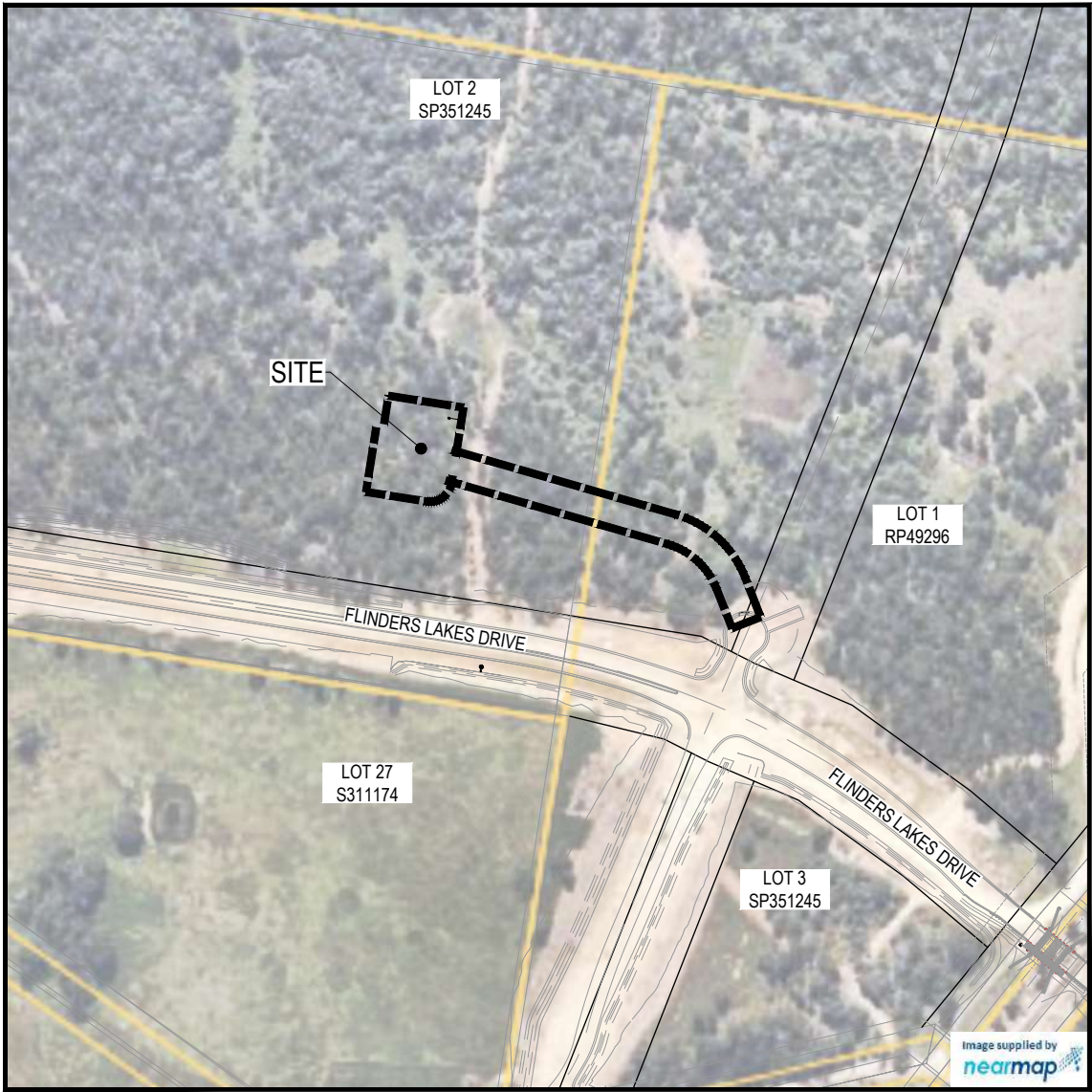
PLOT - 03 Jul 2025 05:13 PM LOCATION - H:\22\22-0408 Undullah (Jotown), Flagstone\Design\Acad\ROL 4\CARETAKER\24-0750-0910-[RW&D].dwg

PROPOSED CARETAKER DWELLING

FLINDERS LAKES DRIVE, MONARCH GLEN

DRAWING LIST

SEWERAGE AND WATER RETICULATION	
24-0750-915	SEWERAGE AND WATER RETICULATION COVER PLAN AND DRAWING INDEX
24-0750-916	SEWERAGE AND WATER RETICULATION GENERAL NOTES AND DETAILS
24-0750-917	SEWERAGE AND WATER LAYOUT PLAN



LOCALITY PLAN
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)

ESTATE/STAGE			MONARCH GLEN No. 1 PTY LTD/CARETAKER		
CLIENT			MIRVAC		
LOGAN WATER APPLICATION No.			TBC		
LOGAN WATER APPROVAL DATE			TBC		
No. OF ALLOTMENTS			1 CARETAKER DWELLING		
ASSET REGISTER - WATER RETICULATION					
MAINS	DIAMETER	MATERIAL		LENGTH	
		DESIGN	CONST	DESIGN	CONST
	DN100	PVC-M PN16	-	33m	-
SERVICES	DIAMETER	MATERIAL		LENGTH	
		DESIGN	CONST	DESIGN	CONST
	DN40	PE100 PN16	-	190m	-
METERS	DIAMETER	NUMBER			
		DESIGN	CONST	DESIGN	CONST
	20Ø	PVC-M PN16	-	1	-

PLOT: 03-Jul-2025 05:14 PM LOCATION: H:\2222-0408 Unbuilt\Unbuilt\Lot\Drawn\Flagstone\Design\Asset\ROL_4\CARETAKER\24-0750-915 SEW\WWT.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS						CLIENT	PROJECT NAME	DRAWING TITLE		
A	16.04.25	NK	TP	ORIGINAL ISSUE				NOT FOR CONSTRUCTION								SEWERAGE AND WATER RETICULATION COVER PLAN AND DRAWING INDEX		
B	22.05.25	NK	TP	AMENDED BUILDING ENVELOPE														
C	27.05.25	NK	TP	AMENDED PLANS														
D	02.07.25	NK	DH	REDUCED DRIVEWAY WIDTH														
E	03.07.25	NK	DH	EARTHWORKS UPDATED														
							DESIGN	APPROVED DANIEL COLLINS			RPEQ 18631	DATE 3.07.25						

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. EXISTING SERVICES RELEVANT TO THE PROJECT HAVE BEEN CONSIDERED THROUGHOUT DESIGN AND IS BASED ON SURVEY INFORMATION PROVIDED BY THE SURVEYOR AND THE CONTRACTOR. THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ HAVE RELIED UPON THIS INFORMATION TO INFORM THE DESIGN. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
3. ALL DESIGN AND CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
5. THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
7. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POT HOLE INFORMATION PROVIDED BY THE SURVEYOR AND/OR CONTRACTOR AT THE TIME OF DESIGN. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POT HOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
8. THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POT HOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
7. THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.
8. HOLD POINT: ONCE THE BASE OF MANHOLES HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
9. THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED DURING THE PRE-START, IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.

ENVIRONMENTAL CONDITIONS

VEGETATION PROTECTION

- A. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- C. TREE ROOTS SHALL BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
- D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

- A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- C. ACID SULPHATE SOILS EXIST IN THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS:

CREEK CROSSINGS

- A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

WATER RETICULATION NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT WSAW WATER SUPPLY CODE OF AUSTRALIA SPECIFICATIONS AND STANDARD - SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
4. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP'S ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY THE SEQ-SP.
5. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
6. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
7. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
8. A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWING FOR THE SEQ-SP.
9. HYDRANTS TO BE INSTALLED AT THE END OF ALL NEW MAINS WHERE REQUIRED FOR TESTING AND COMMISSIONING PURPOSES.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.5m UNLESS OTHERWISE STATED. FOR JUNCTION DETAILS REFER SEQ-SEW-1104-1 AND SEQ-SEW-1105-1.

ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK COMMENCING, INCLUDING CLEARING

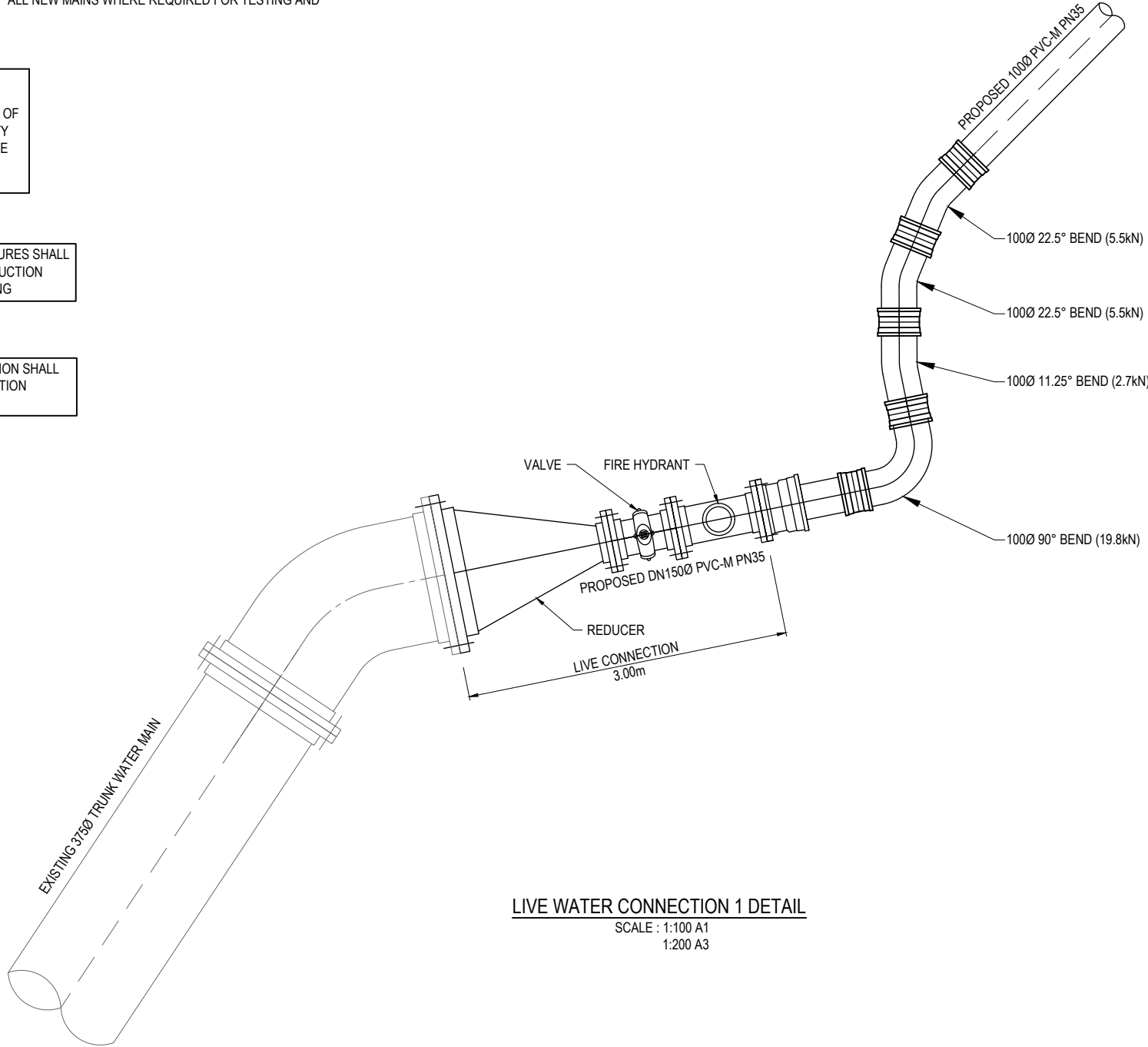
ALL WATER AND SEWERAGE CONSTRUCTION SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION

LIVE WORKS NOTES:

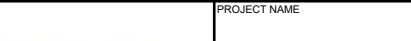
1. ALL LIVE WORKS SHALL BE UNDERTAKEN BY THE CONTRACTOR IN ACCORDANCE WITH AN APPROVED NETWORKS ACCESS PERMIT, UNDER THE SUPERVISION OF LOGAN WATER , AT THE DEVELOPERS EXPENSE.
2. LIVE WORKS CANNOT COMMENCE UNTIL ALL RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY LOGAN WATER . PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.
3.

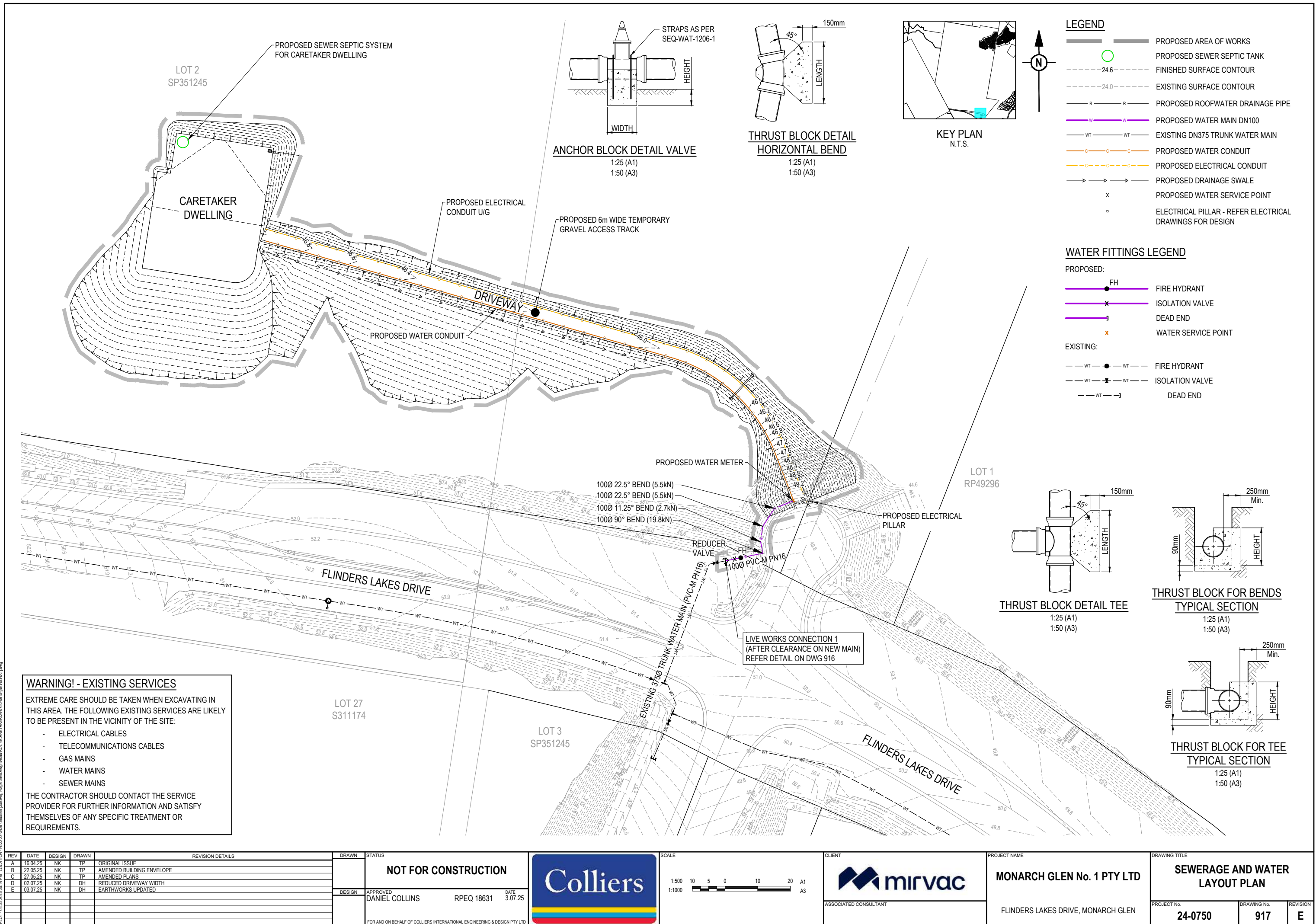
WATER RETICULATION LIVE CONNECTIONS

CONNECTION 1			
STREET	FLINDERS LAKES DRIVE		
LOCATION	FLINDERS LAKES DRIVE		
LENGTH	3.00m	TYPE OF MAIN	DN100 PVC-M PN16
DATE COMMENCED		DATE COMPLETED	
SIGNATURE			



PLOT - 03 JUL 2025 05:14 PM LOCATION - H:2222-0408 Location: Lot 1000, Flinders Lakes Drive, Monarch Glen, VIC 3090. Drawing: 24-0750-916-SEW-WAT-1.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS			DRAWN	STATUS						CLIENT	PROJECT NAME	DRAWING TITLE		
A	16.04.25	NK	TP	ORIGINAL ISSUE				NOT FOR CONSTRUCTION								SEWERAGE AND WATER RETICULATION GENERAL NOTES AND DETAILS		
B	22.05.25	NK	TP	AMENDED BUILDING ENVELOPE										MONARCH GLEN No. 1 PTY LTD	FLINDERS LAKES DRIVE, MONARCH GLEN	PROJECT No. 24-0750	DRAWING No. 916	REVISION E
C	27.05.25	NK	TP	AMENDED PLANS														
D	02.07.25	NK	DH	REDUCED DRIVEWAY WIDTH														
E	03.07.25	NK	DH	EARTHWORKS UPDATED														



Appendix B

EPBC Act Protected Matters Report



Australian Government

Department of Climate Change, Energy,
the Environment and Water

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 21-May-2025

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	7
Listed Threatened Species:	53
Listed Migratory Species:	11

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	21
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	1
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	25
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands)		[Resource Information]
Ramsar Site Name	Proximity	Buffer Status
Moreton bay	30 - 40km upstream from Ramsar site	In feature area

Listed Threatened Ecological Communities	[Resource Information]
For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps. Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.	

Community Name	Threatened Category	Presence Text	Buffer Status
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community may occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community likely to occur within area	In buffer area only
Grey box-grey gum wet forest of subtropical eastern Australia	Endangered	Community likely to occur within area	In buffer area only
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community may occur within area	In feature area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community may occur within area	In feature area
Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions	Endangered	Community likely to occur within area	In feature area
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community likely to occur within area	In feature area

Listed Threatened Species			[<u>Resource Information</u>]
Status of Conservation Dependent and Extinct are not MNES under the EPBC Act. Number is the current name ID.			
Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour may occur within area	In feature area
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat may occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat may occur within area	In feature area
Cyclopsitta diophthalma coxeni Coxen's Fig-Parrot [59714]	Critically Endangered	Species or species habitat may occur within area	In feature area
Erythrotriorchis radiatus Red Goshawk [942]	Endangered	Species or species habitat likely to occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	In feature area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat may occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area	In feature area
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FISH			
Maccullochella mariensis Mary River Cod [83806]	Endangered	Translocated population known to occur within area	In feature area
INSECT			
Argynnis hyperbius inconstans Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area	In feature area
MAMMAL			
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Dasyurus maculatus maculatus (SE mainland population)			
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area	In feature area
Macroderma gigas			
Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In feature area
Petauroides volans			
Greater Glider (southern and central) [254]	Endangered	Species or species habitat likely to occur within area	In feature area
Petaurus australis australis			
Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat known to occur within area	In feature area
Petrogale penicillata			
Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)			
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus			
Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Pseudomys novaehollandiae			
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Pteropus poliocephalus			
Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
PLANT			
Arthraxon hispidus			
Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Bosistoa transversa			
Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Coleus habrophyllus listed as Plectranthus habrophyllus [91378]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Cupaniopsis shirleyana Wedge-leaf Tuckeroo [3205]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Cupaniopsis tomentella Boonah Tuckeroo [3322]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Fontainea venosa [24040]	Vulnerable	Species or species habitat may occur within area	In feature area
Leuzea australis listed as Rhaponticum australe Austral Cornflower, Native Thistle [9363]	Vulnerable	Species or species habitat may occur within area	In feature area
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Macadamia tetraphylla Rough-shelled Bush Nut, Macadamia Nut, Rough-shelled Macadamia, Rough-leaved Queensland Nut [6581]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Notelaea lloydii Lloyd's Olive [15002]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Notelaea x ipsviciensis listed as Notelaea ipsviciensis Cooneana Olive [93460]	Critically Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Picris evae Hawkweed [10839]	Vulnerable	Species or species habitat may occur within area	In feature area
Planchonella eerwah Shiny-leaved Condoo, Black Plum, Wild Apple [17340]	Endangered	Species or species habitat likely to occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat may occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area	In feature area
Samadera bidwillii Quassia [29708]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area	In feature area
REPTILE			
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area	In feature area
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area	In feature area
Hemiaspis damelii Grey Snake [1179]	Endangered	Species or species habitat likely to occur within area	In feature area
Listed Migratory Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Migratory Terrestrial Species			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area	In feature area
Migratory Wetlands Species			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area	In feature area

Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area overfly marine area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat likely to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat likely to occur within area overfly marine area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Pterodroma cervicalis White-necked Petrel [59642]		Species or species habitat may occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat likely to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat may occur within area overfly marine area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Undullah	Nature Refuge	QLD	In buffer area only

EPBC Act Referrals					[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
DT0018 Matt Court Wastewater Conveyance	2023/09529		Completed	In buffer area only	
Kagaru Residential Development	2024/10083		Assessment	In buffer area only	
Kagaru to Acacia Ridge and Bromelton Inland Rail Project	2021/8927		Completed	In feature area	
New Beith Road Upgrade	2023/09505		Assessment	In buffer area only	

Controlled action				
Bushman Drive Residential Development, Jimboomba, Qld	2018/8376	Controlled Action	Further Information Request	In feature area
Casino Ipswich Pipeline	2007/3877	Controlled Action	Completed	In feature area
Cedar Grove Connector Pipeline	2011/6013	Controlled Action	Completed	In buffer area only
Flagstone West Urban Development Project, QLD	2014/7206	Controlled Action	Post-Approval	In buffer area only
Flinders Residential Development, Undullah Road, Undullah, Qld	2017/8109	Controlled Action	Further Information Request	In buffer area only
Greater Flagstone master planned residential development,	2015/7530	Controlled Action	Post-Approval	In feature area

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Controlled action				
Undullah, Qld				
Inland Rail Calvert to Kagaru Project	2017/7944	Controlled Action	Assessment Approach	In buffer area only
Residential Development, Lot 4 RP45728, New Beith, Qld	2019/8398	Controlled Action	Further Information Request	In buffer area only
Residential development, Lots 3, 200 and 1, approx 6.5km SW Undullah, Qld	2016/7772	Controlled Action	Further Information Request	In buffer area only
Residential development, Teviot Road, north Beaudesert, Qld	2016/7724	Controlled Action	Post-Approval	In buffer area only
Southern Regional Water Pipeline	2006/2593	Controlled Action	Post-Approval	In feature area
Tarnbrae Greater Flagstone Residential Development, New Beith, QLD	2019/8412	Controlled Action	Further Information Request	In buffer area only
Wyaralong Dam	2006/3157	Controlled Action	Post-Approval	In buffer area only
Not controlled action				
Cedar Grove Weir	2006/2731	Not Controlled Action	Completed	In buffer area only
Construction and upgrade of approximately 7km of external road corridor, Flagstone, Qld	2014/7319	Not Controlled Action	Completed	In feature area
Flagstone Central to Cedar Grove WWTP Conveyance Pipeline	2018/8190	Not Controlled Action	Completed	In feature area
Greenbank to Flagstone Central Conveyance Pipeline Project, Qld	2018/8344	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
South West Pipeline and Wyaralong Tanks Project, Qld	2018/8320	Not Controlled Action	Completed	In buffer area only
Upgraded sewerage infrastructure in the Helensvale/Coomababah catchment	2004/1427	Not Controlled Action	Completed	In buffer area only
Not controlled action (particular manner)				
Construction & Operation 275/330kV Transmission Line	2006/2820	Not Controlled Action (Particular Manner)	Post-Approval	In feature area

Bioregional Assessments			[Resource Information]
SubRegion	BioRegion	Website	Buffer Status
Clarence-Moreton	Clarence-Moreton	BA website	In feature area

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data is available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on the contents of this report.

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions when time permits.

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded breeding sites; and
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact us](#) page.

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Appendix C

NCA Wildlife Online Search Results

WN Taxon ID	Kingdom	Class	Family	Scientific name	Common name	NCA status	EPBC status	Superseded	Conservation significant	Establishment	Sensitive species	Area survey lists	Sighting records	Specimen records	Sighting summary
706	Animalia	Amphibia	Limnodynastidae	Adelotus brevis	tusked frog	V		FALSE	TRUE	QA			1	0	1
1107	Animalia	Aves	Strigidae	Ninox strenua	powerful owl	V		FALSE	TRUE	QA			2	0	2
860	Animalia	Mammalia	Phascolarctidae	Phascolarctos cinereus	koala	E	E	FALSE	TRUE	QA			18	0	18
962	Animalia	Mammalia	Pteropodidae	Pteropus poliocephalus	grey-headed flying-fox	C	V	FALSE	TRUE	QA			3	0	3
838	Animalia	Mammalia	Tachyglossidae	Tachyglossus aculeatus	short-beaked echidna	SL		FALSE	TRUE	QAI			1	0	1
26403	Plantae	Equisetopsida	Myrtaceae	Melaleuca irbyana		E		FALSE	TRUE	NTQ	FALSE		2	0	2

Appendix D

Vegetation Clearing and Fauna
Management Plan

Vegetation Clearing & Fauna Management Plan

*Economic Development
Queensland (EDQ)*

Caretaker Dwelling

Monarch Glen No 1 Pty Limited as
trustee of the Monarch Glen Trust No 1

CONTENTS

- 11731 E 01 CT VCFMP B -- Cover Page
- 11731 E 02 CT VCFMP B -- Vegetation Clearing Notes
- 11731 E 04 CT VCFMP B -- Clearing Summary
- 11731 E 05 CT VCFMP B -- Detail Sheet Context
- 11731 E 06-11 CT VCFMP B -- Detail Sheets
- 11731 E 12 CT VCFMP B -- Clearing Direction
- Appendix A** -- Tree Schedule

SHG Contact

Dr Andrew Ridley
Email: mail@saundershavill.com



Monarch Glen Project (Caretake Dwelling)

Vegetation Clearing and Fauna Management Plan - *Vegetation Clearing Notes*

Introduction

The Environmental Management Division of the **Saunders Havill Group (SHG)** was engaged by **Monarch Glen No 1 Pty Limited as trustee of the Monarch Glen Trust No 1** to prepare a Vegetation Clearing & Fauna Management Plan (VCFMP) for the caretaker's dwelling for the Monarch Glen Project site.

The purpose of this plan is to manage the vegetation removal process and the protection of fauna species for the proposed dwelling to be constructed for the Project site's caretaker. This VCFMP has been prepared for Economic Development Queensland (**EDQ**) and is a requirement of the *Natural Environment Site Strategy (NESS)* for the Monarch Glen project endorsed by **EDQ**. The plan is required to be approved prior to clearing works commencing. The clearing works will follow general principles for vegetation clearing documented on this sheet, sheet 3 and all **EDQ** specific requirements.

This VCFMP has been produced by overlaying the following site datasets to determine impacts and disturbance on existing vegetation:

1.

GPS tree data including specimen details & features (SHG, 2025)
2.

Site Inspection of Existing Vegetation (SHG, 2025)
3.

Site Layout & Bushfire Management Plans (Colliers, 2025)
4.

Arborist inspection (TBD)

Project Management

Vegetation management and processes are an integral part of the construction and operational works phases. The site supervisor is responsible for all onsite works including overseeing vegetation clearing, health and safety of fauna and adhering to EDQ's approval conditions and guidelines and Australian Standards - Protection of Trees on Development Sites AS4970-2009 and Pruning of Amenity Trees AS4373-1996.

When required, the project arborist (with minimum AQF Level 5 in Arboriculture and minimum 5 years' experience) is responsible for: undertaking all appropriate arboricultural measures prior to the commencement of any earthworks on site to ensure the survival and long-term health of existing trees to be retained. These measures may include soil decompaction, soil aeration, fertilising, mulching, watering, root or crown reduction and hazard reduction or as otherwise determined by the arborist. The site arborist is also required to direct and supervise all works within TPZs of trees to be retained and perform arboricultural care requirements where necessary.

The roles and responsibilities of the Fauna Spotter-catcher are provided on *Sheet 3*.

Site Contacts

Site and consulting contacts for queries relating to vegetation clearing include:

Client Contact: Monarch Glen No 1 Pty Limited as trustee of the Monarch Glen Trust No 1 <i>Contact TBC</i> <i>Ph</i>	Environmental Contact: Saunders Havill Group Dr Andrew Ridley Ph 1300 123 SHG
Site Contractor: <i>To be advised</i>	Site Arborist: <i>To be advised</i>
Site Fauna spotter-catcher: <i>To be advised</i>	Site Bushfire Consultant: <i>To be advised</i>

Clearing Phases and Process

PHASE 1 - Tree Protection Fencing to be installed

Fencing to be installed prior to the commencement of any clearing works on the site. Tree protection fencing to be located at or beyond 12 x diameter at breast height (DBH) (AS4970-2009 Protection of trees on development sites)—unless approved by the appointed arborist. Signs identifying the tree retention area as a 'no go zone' to be installed at regular intervals along tree protection fencing. Bunting flagging (fauna-friendly) to be placed along the edge of the bushfire management/vegetation clearing zone.

PHASE 2 - Council Pre-start Meeting (if required by **EDQ**)

Fencing shall be in place at the time of the official pre-start meeting for inspection and sign off by **EDQ** Officers or Environmental Coordinator.

PHASE 3 - Fauna Inspections and Management

Undertake necessary fauna management outlined in the *FMP* prior to clearing works and acknowledge specific **EDQ NESS** approval requirements.

PHASE 4 - Undertake Bulk Clearing

Undertake wholesale removal of vegetation once approved for removal by a qualified fauna spotter and all necessary permits are obtained. Clearing will occur in the direction outlined in *sheet 9* of this VCFMP, and will be managed by the appointed fauna spotter-catcher to allow all fauna to move unimpeded towards vegetation adjoining the clearing area.

Vegetation clearing techniques:

- i.

By utilising the most appropriate machinery and equipment during vegetation clearing, the probability of injury or death of wildlife during clearing can be significantly reduced or eliminated while still maintaining an efficient vegetation removal process.
- ii.

Suggested techniques are as follows: (a) a vertical tree grab attachment on an excavator (30 tonne) can be used to pull entire trees in size up to 30-40cm diameter at a height measured at 1.3 metres above ground level and lay them down in a steady controlled fashion, allowing inspection by a fauna spotter-catcher (b) where large trees are too large for a vertical tree grab and have been identified, an elevated work platform or where practical, cherry picker should be used in conjunction with a chainsaw operator and fauna spotter-catcher. Alternatively, careful removal of hollow section from habitat tree and gentle lowering for inspection by fauna spotter-catcher (c) the use of bulldozers to clear vegetation is limited to vegetation that has been thoroughly inspected by a fauna spotter-catcher and is found to contain no fauna or potential habitat. Bulldozers are not to be used to push over large trees that contain hollows or other habitat features.

NOTE: Dogs are not permitted onsite at any time during construction. Construction works including clearing must occur between the hours of 6.00am and 6.00pm.

Access and Stockpiling

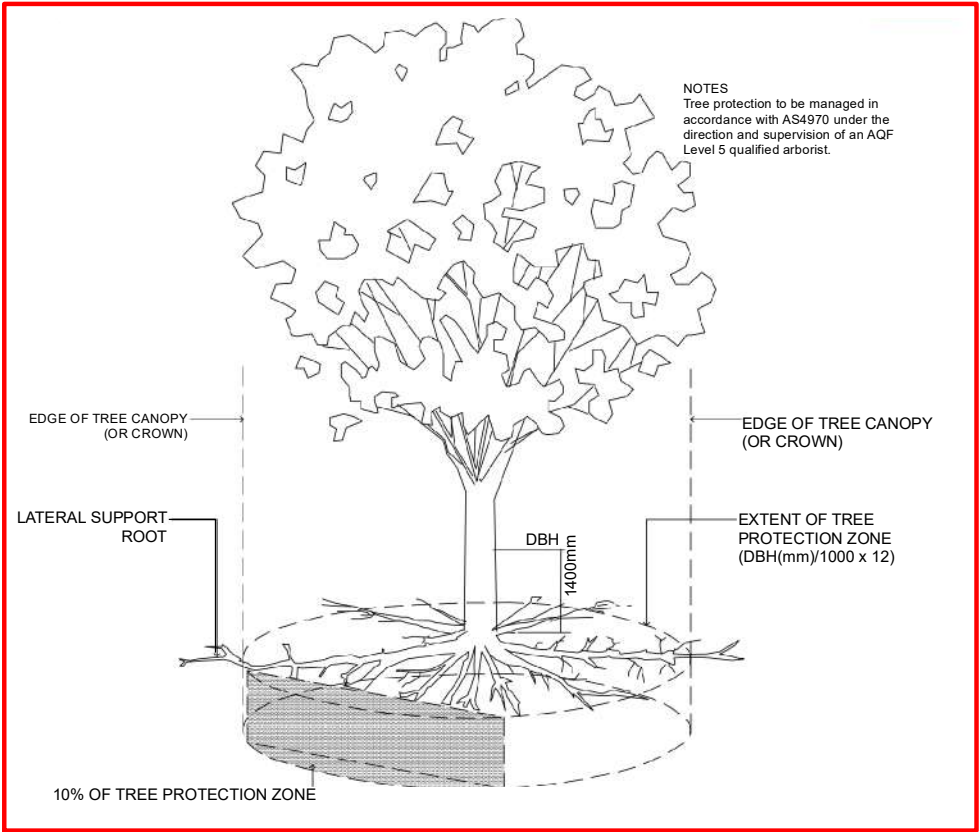
Vegetation stockpiling locations are to be designated in easily accessible areas outside of TPZs. Indicative vegetation stockpiling locations have been allocated within the clearing area, allowing for material to be easily delivered and stored. These locations are subject to minor change according to cut/fill activities and intended location for reuse.

Cleared vegetation free of weeds is to be reused on or off the project site. Recycling techniques include mulching, tub-grinding, wood chipping and salvage (e.g. custom milling). Trees with identified hollows should have the hollow section preserved and should be suitably mounted on nearby or adjacent suitable trees.

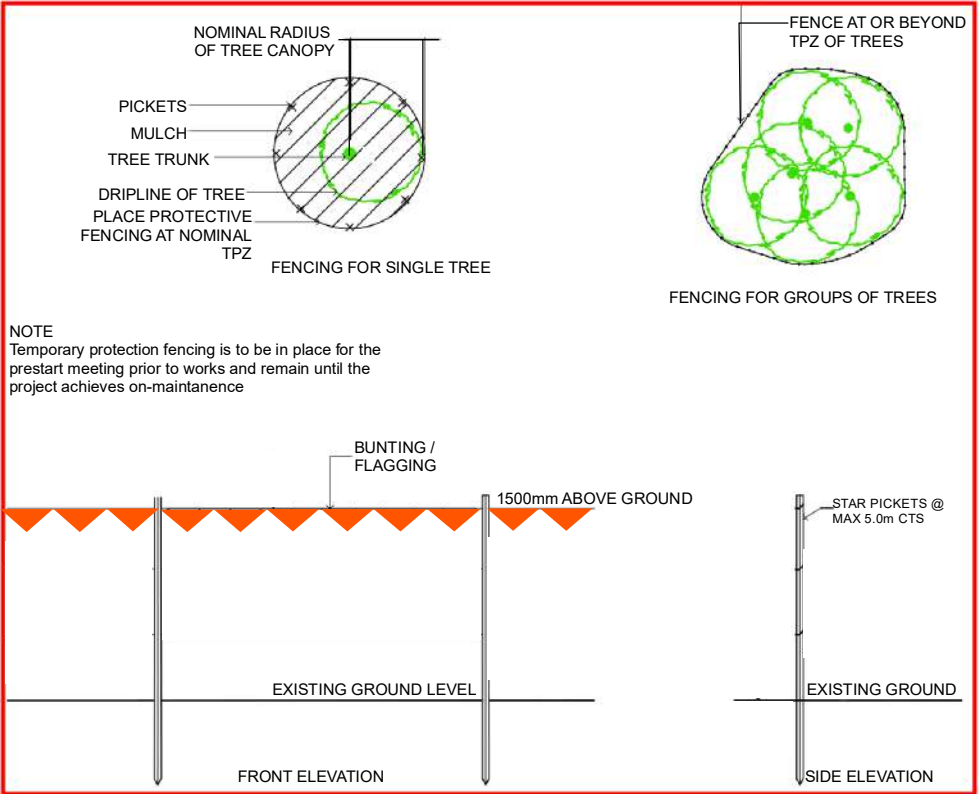
Maintenance

After tree clearing works on site, an analysis of the vegetation's health and growth should be undertaken by the project arborist to determine specific maintenance needs. Follow up maintenance works should be carried out on retained vegetation where required. If conditioned in the approval—the project arborist may be required to submit a report to **EDQ** detailing the measures undertaken during the construction period and any further work required post this period.

Tree Protection Zone - Detail (not to scale)



Tree Protection Fencing - Detail (not to scale)



SH saunders havill group	Client:	Disclaimer:	References:	Amendments:	Project:	environmental management Plan of: Vegetation Clearing & Fauna Management Plan Date: 5/06/2025 Checked: AR Client Ref: 11731 Drawn: TC Drawing No.: 11731 E 02 CT VCFMP B																	
	Monarch Glen No 1 Pty Limited as trustee of the Monarch Glen Trust No 1			AS4970-2009 Protection of trees on development sites			<table><tr><th>Issue</th><th>Date</th><th>Description</th><th>Checked</th></tr><tr><td>A</td><td>23/05/2025</td><td>Preliminary</td><td>AR</td></tr><tr><td>B</td><td>5/06/2025</td><td>Updated Clearing Extent</td><td>AR</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Issue	Date	Description	Checked	A	23/05/2025	Preliminary	AR	B	5/06/2025	Updated Clearing Extent	AR				
				Issue			Date	Description	Checked														
				A			23/05/2025	Preliminary	AR														
				B			5/06/2025	Updated Clearing Extent	AR														

Monarch Glen Project (Caretake Dwelling)

Vegetation Clearing and Fauna Management Plan - Fauna Management Notes

Introduction

The Fauna Management specification on this *VCFMP* is designed to protect native animals and control/manage impacts during the vegetation clearing works. The clearing area occurs within the Monarch Glen Project Site. Common species associated with bushland landscapes were spotted at the clearing area during the field assessment. The fauna management specifications and principles incorporated in this *VCFMP* apply generically to all native animals and focus on avoiding conflicts and incorporating measures to minimise disturbance. Compliance with this section of the *VCFMP* is compulsory and incorporates the use of expert consultants including a Fauna Spotter (holding a valid Wildlife Rehabilitation Permit issued by the Department of Environment, Science and Innovation).

Fauna Impacts

Clearing of vegetation provides an obvious source of impact to existing habitat and animal safety. More specifically the exist ing vegetation provides habitat, movement and protection opportunities for some fauna through both regrowth and canopy trees . These opportunities may be altered during and post vegetation clearing works. Potential impacts include:

Construction Impacts

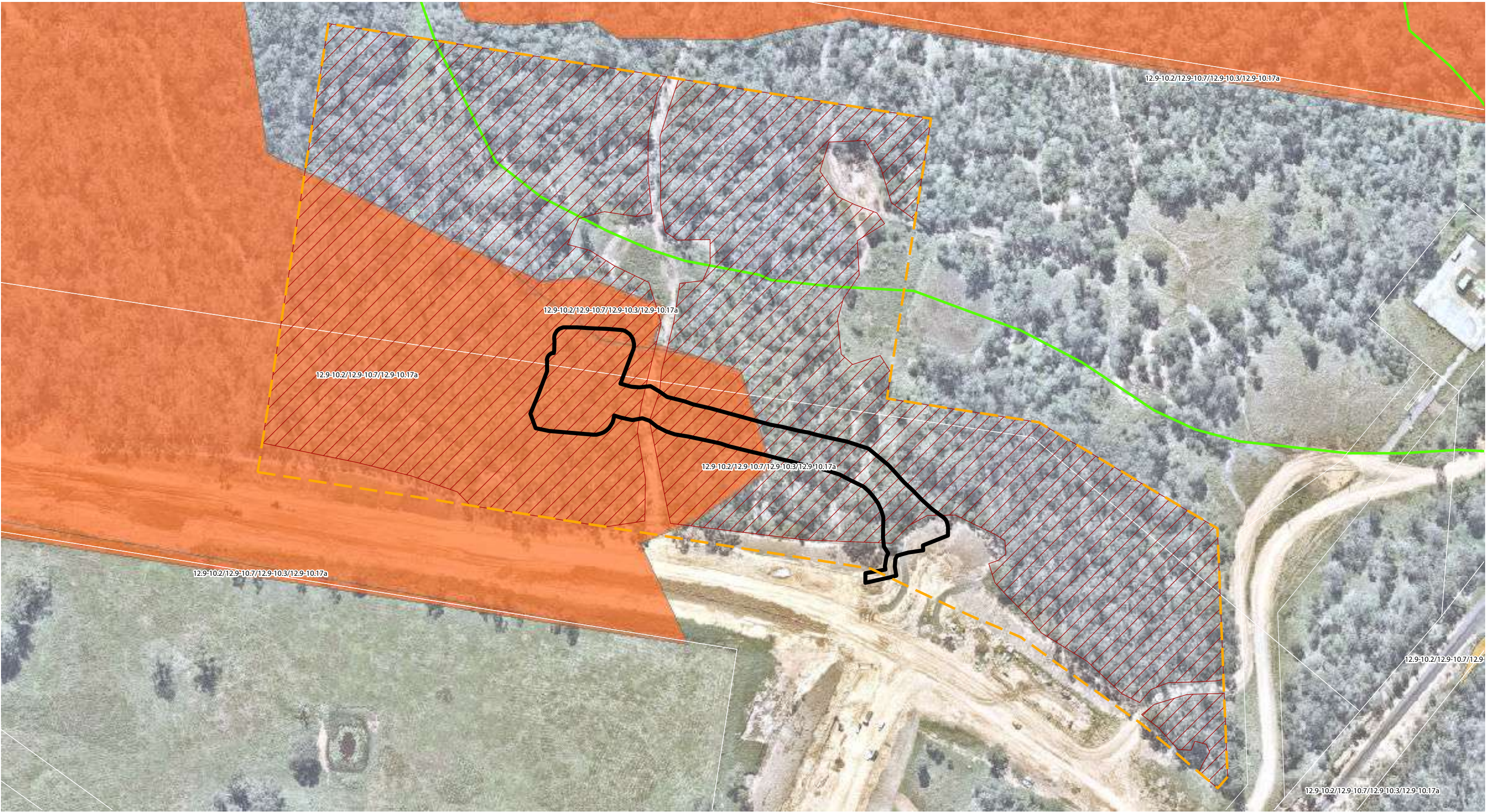
- Direct removal of site vegetation
- Loss of habitat
- Noise, vibration and dust
- Erosion and sedimentation
- Threats associated with open cuts etc. and fauna entrapment
- Loss of food sources
- Excavation/compaction/changes in ground levels
- Altering hydrological flows
- Fragmentation of habitat

Operational Impacts

- Weed introduction (garden escapees)
- Increased hydrology with increased hardstand
- Altering of run-off chemical and nutrient components (quality)
- Barriers to fauna movement
- Vehicles and pedestrian movement and trespass
- Introduction of domestic and predatory species

Fauna Management Schedule

1.0 Pre - Clearing				
Ref:	Management Item	Responsibility	Timing	Reporting
1.1	Temporary Fencing Prior to the commencement of works and to be inspected by the site Environmental Coordinator and/or Project Arborist—Delineate areas where vegetation is proposed to be retained with exclusion fencing to prevent accidental felling. Clearing is to be undertaken in accordance with AS 4970-2009 Protection of Trees on Development Sites. ▪ Fencing shall be fauna friendly ▪ No clearing, stockpiling, site access, earthworks, storage, etc. is to occur within the temporary protection fencing. ▪ Only approved weed management works to occur within the temporary protection fencing ▪ Fencing to be reinstated immediately if damaged or knocked down, any damage to retained trees to be immediately reported to Project Arborist. ▪ Fencing to remain until the completion of all site works.	Site Supervisor	Prior to the commencement of clearing	Inspected by Environmental Coordinator
1.2	Contractor Education & Awareness All site contractors and subcontractors will be made aware of their responsibilities to protect native fauna. The Fauna Management notes on this VCFMP are provided as a working document to assist on-site management and protection of native animals. This generally will form part of education and training on a broader work place health and safety but as a minimum will include: ▪ Copy of VCFMP kept on-site (Site Office). ▪ General education and awareness notification of contractors and sub-contractors involved in activities potentially impacting native animals as part of site induction – contractors must know the location of the VCFMP, key phone numbers and who to report to if they breach the VCFMP. ▪ A list of relevant contact phone numbers as listed on these drawings is kept in a visible and accessible location in the site office.	Site Supervisor / The Proponent	Prior to the commencement of clearing and as part of the site induction for new staff and sub-contractors	Site Supervisor
2.0 Vegetation Clearing				
2.1	Spotter / Relocator Immediately prior to the commencement of clearing of native vegetation a daily visual inspection of the area must be carried out by a qualified fauna spotter-catcher holding a valid Rehabilitation Permit. Furthermore, the fauna spotter-catcher is to be present on site during all clearing operations to supervise and direct clearing works, and to respond to any situations that may arise in relation to fauna. In the event of an animal being located, a suitable buffer area (as determined by the fauna spotter-catcher) should be established around the animal’s location that excludes machinery until it has relocated at its own accord (usually overnight). If an animal requires relocating this must be undertaken by a suitable qualified fauna expert recognized by the Department of Environment, Science and Innovation. For some fauna, specific permit requirements may apply. If vegetation is left stockpiled for more than 24 hours or overnight, the fauna spotter-catcher must inspect the vegetation prior to chipping or removal from site. The Fauna Spotter-catcher will manage the care of any injured or orphaned wildlife (e.g. veterinary attention or delivery to a wildlife carer). Any native fauna listed as a threatened species under the Nature Conservation (Animals) Regulation 2020 that are injured or orphaned by the development process, must be reported to the Department of Environment, Science and Innovation (1300 130 372). Any other injured or orphaned fauna must be reported through the Rehabilitation Permit return process by the Fauna Spotter-catcher. The Site Supervisor is responsible for the safe management of site fauna and implementation of these specific fauna requirements.	Site Supervisor	Prior to the commencement, and during clearing	Inspected by the Fauna Spotter-catcher
2.2	Specific Koala Management Notes A Koala/Fauna spotter-catcher is a person who holds a valid Rehabilitation Permit from the relevant State Government Agency, and has either a tertiary qualification in Biology or Zoology, or who is demonstrably experienced in the identification and location of Koalas in their natural habitat. For example, a koala keeper employed by a licensed Wildlife exhibitor (i.e. a zoo) may be capable of demonstrating competence in locating Koala’s. Prior to the commencement and during felling operations, it is the responsibility of the Koala spotter to be present at the site of felling operations identify any tree at the site within which a Koala is present, as well as any tree that has a crown which is intermeshed or overlapping with such a tree; and advise the person who is authorised to conduct the felling operation, or that persons’ representative, of the precise location of each such tree Management Item.	Site Supervisor	Prior to the commencement, and during clearing	Inspected by the Fauna Spotter-catcher
2.3	Clearing Pattern / Fauna Flushing Clearing occurs once the fauna spotter-catcher gives sign off the site is clear of all native species and all necessary permits are obtained. The intended clearing directions is north/west away from the access road to the south. Clearing direction is subject to amendment by the fauna spotter-catcher. At the completion of operational works, and prior to the sealing of survey plans for the relevant stage, the fauna spotter-catcher must provide certification to EDQ officers that all works were undertaken in accordance with these fauna management requirements and specific EDQ requirements.	Site Supervisor	Prior to the commencement, and during clearing	Inspected by the Fauna Spotter-catcher
2.4	Specific Habitat Tree Notes Where possible, clearing of habitat trees is to be avoided during late winter and spring (typically July – October) when many native birds are actively nesting/have young in nests and arboreal mammals have dependent and/or pouch young.	Site Supervisor	Prior to the commencement, and during clearing	Inspected by the Fauna Spotter-catcher



Qld DCDB

Caretaker Dwelling construction works footprint

Caretaker Dwelling bushfire management vegetation clearing area

Vegetation Clearing Area [~9 ha].
Vegetation consistent with RE 12.9-10.2

Vegetation Management Regional Ecosystems

Category A or B area containing of concern regional ecosystems

DAF Waterways - Risk of Impact

1 - Low

NOTE: Clearing is to occur as per the approved VCFMP clearing extent boundaries.

Vegetation Clearing & Fauna Management Plan - *Clearing Summary*



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group

Client:

Monarch Glen No 1 Pty Limited as trustee of the Monarch Glen Trust No 1

Disclaimer:

References:

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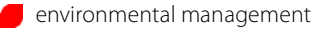
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Amendments:

Issue	Date	Description	Checked
A	23/05/2025	Preliminary	AR
B	5/06/2025	Updated Clearing Extent	AR

Project:

Caretaker Dwelling - Monarch Glen Project



environmental management

Plan of:

Vegetation Clearing & Fauna Management Plan

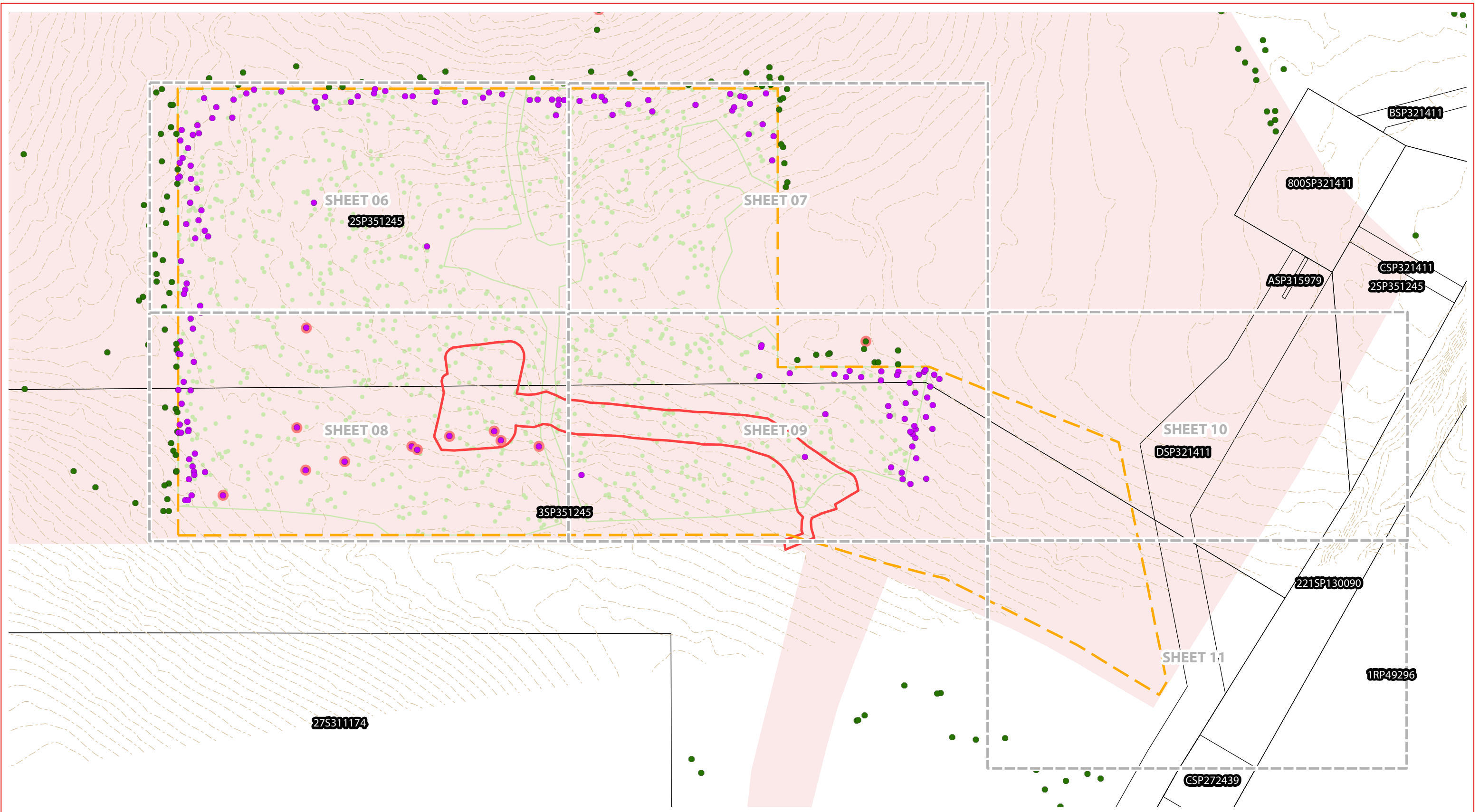
Date: 5/06/2025

Checked: AR

Client Ref: 11731

Drawn: TC

Drawing No.: 11731 E 04 CTVCFMP B



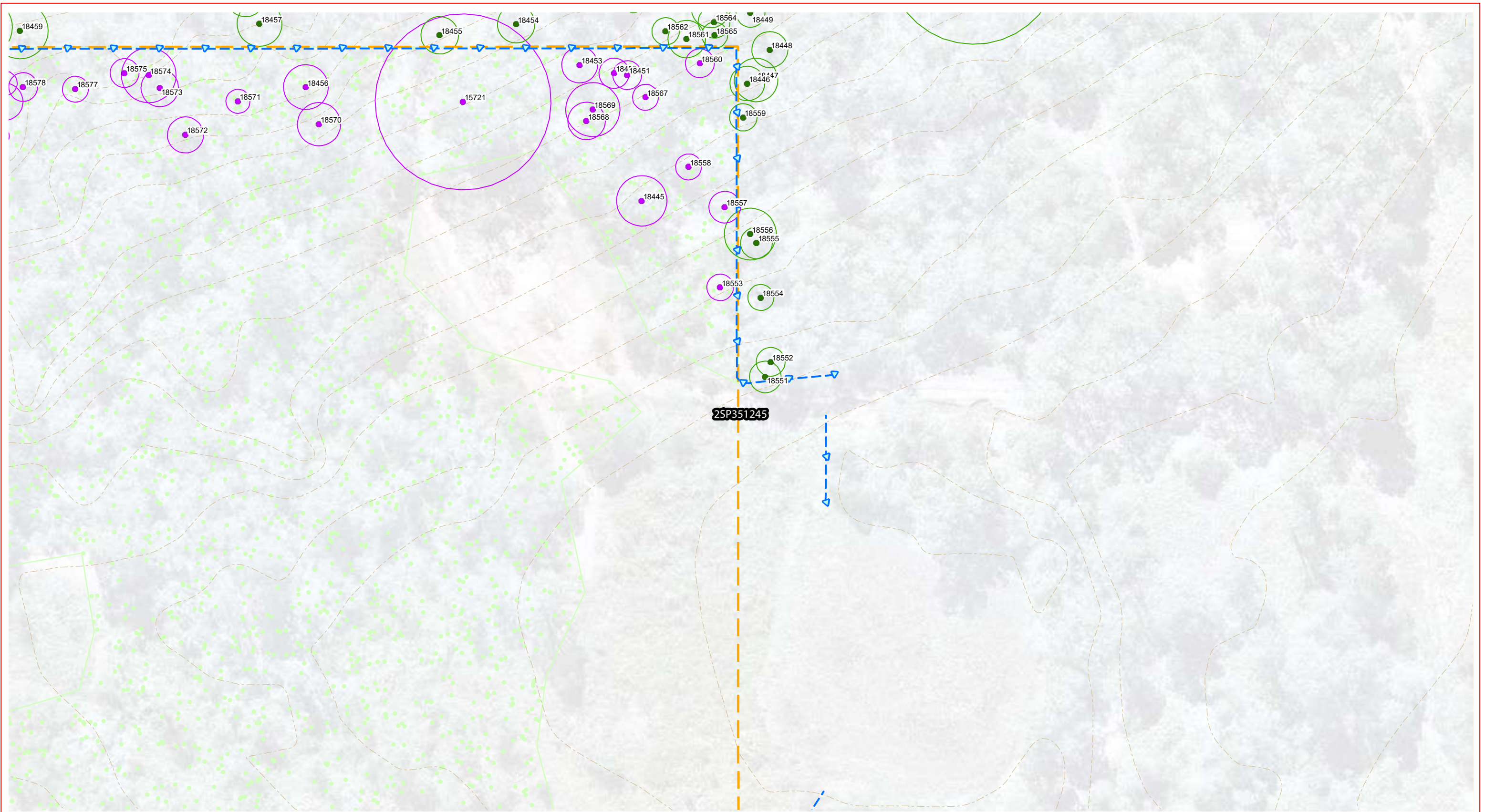
GPS Tree Plot (w/ TPZ)

- Tree to retain in the application, retention is subject to future works
- Tree with hollows to retain in the application, retention is subject to future works

- Tree to remove in this application
- Tree with hollows to remove in this application
- Vegetated areas to clear

- Qld DCDB
- EDQ approved Tranche 3 clearing area
- Caretaker Dwelling construction footprint
- Bushfire management/vegetatio clearing area

Vegetation Clearing & Fauna Management Plan - *Detail sheet context*



GPS Tree Plot (w/ TPZ)

Tree to retain in the application, retention is subject to future works

Tree with hollows to retain in the application, retention is subject to future works

Tree to remove in this application

Tree with hollows to remove in this application

Vegetated areas to clear

Qld DCDB

Caretaker Dwelling construction footprint

Bushfire management/vegetatio clearing area

Existing contours (Qld LIDAR)

Fauna friendly tree protection fencing

environmental management

Plan of:

Caretaker Dwelling - Monarch Glen Project

Date: 5/06/2025

Client Ref: 11731

Drawing No.: 11731 E 07 CTCVCFMP B

Checked: AR

Drawn: TC

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Client:

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CONFIRM ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND DO NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONS ARE IN MILLIMETRES. ANY DISCREPANCIES SHOULD BE CLARIFIED IN WRITING WITH SAUNDERS HAVILL GROUP PRIOR TO THE COMMENCEMENT OF WORK.

PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON-SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.

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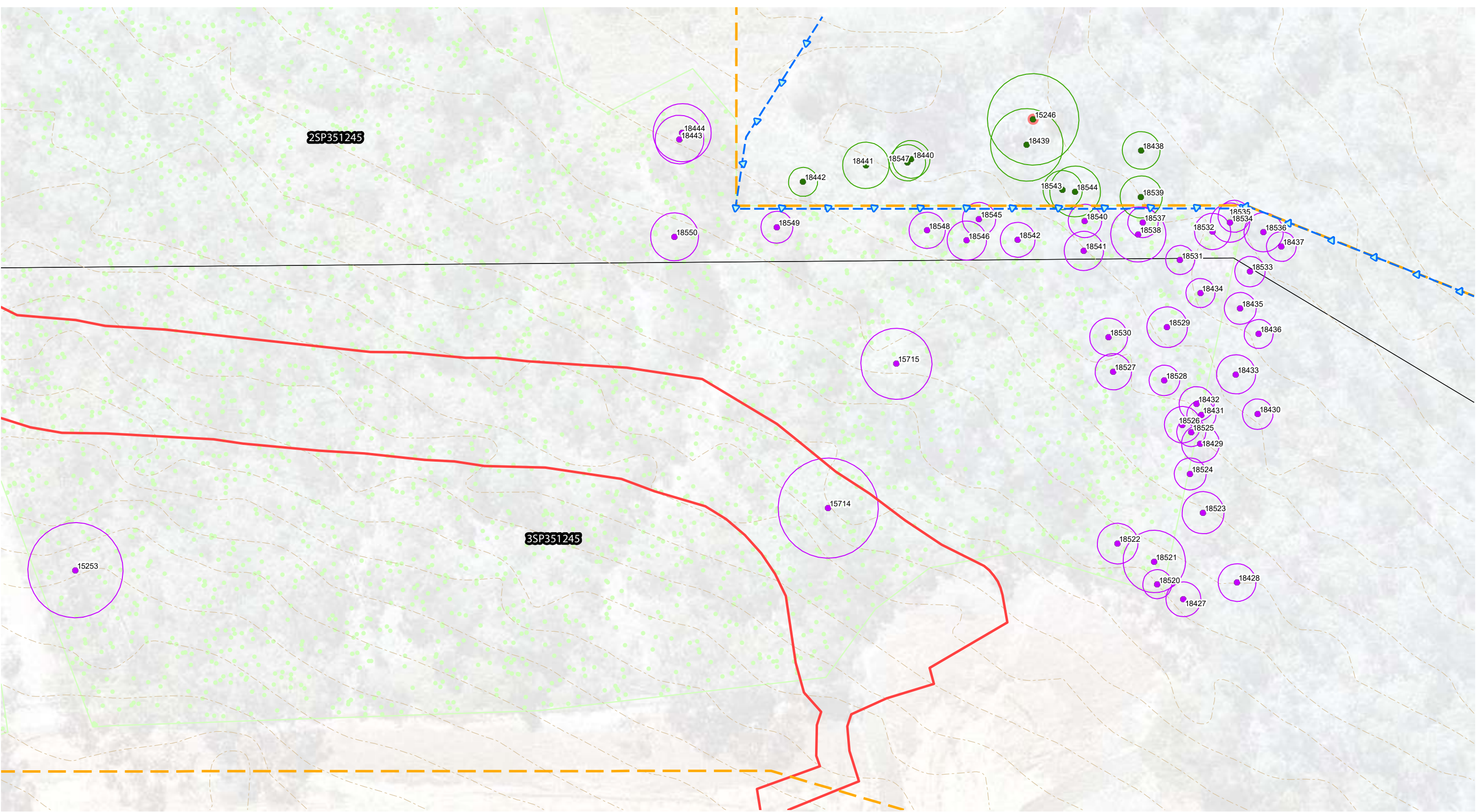
Amendments:

Issue	Date	Description	Checked
A	23/05/2025	Preliminary	AR
B	5/06/2025	Updated Clearing Extent	AR

Project:

Caretaker Dwelling - Monarch Glen Project

Vegetation Clearing & Fauna Management Plan - *Detail sheet 07*



GPS Tree Plot (w/ TPZ)

- Tree to retain in the application, retention is subject to future works

Tree with hollows to retain in the application, retention is subject to future works
- Tree to remove in this application

Tree with hollows to remove in this application
- Vegetated areas to clear
- Qld DCDB

Caretaker Dwelling construction footprint

Bushfire management/vegetatio clearing area

Existing contours (Qld LIDAR)

Fauna friendly tree protection fencing

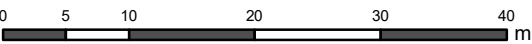
Vegetation Clearing & Fauna Management Plan - *Detail sheet 09*



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PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON-SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.

References:



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Amendments:

Issue	Date	Description	Checked
A	23/05/2025	Preliminary	AR
B	5/06/2025	Updated Clearing Extent	AR

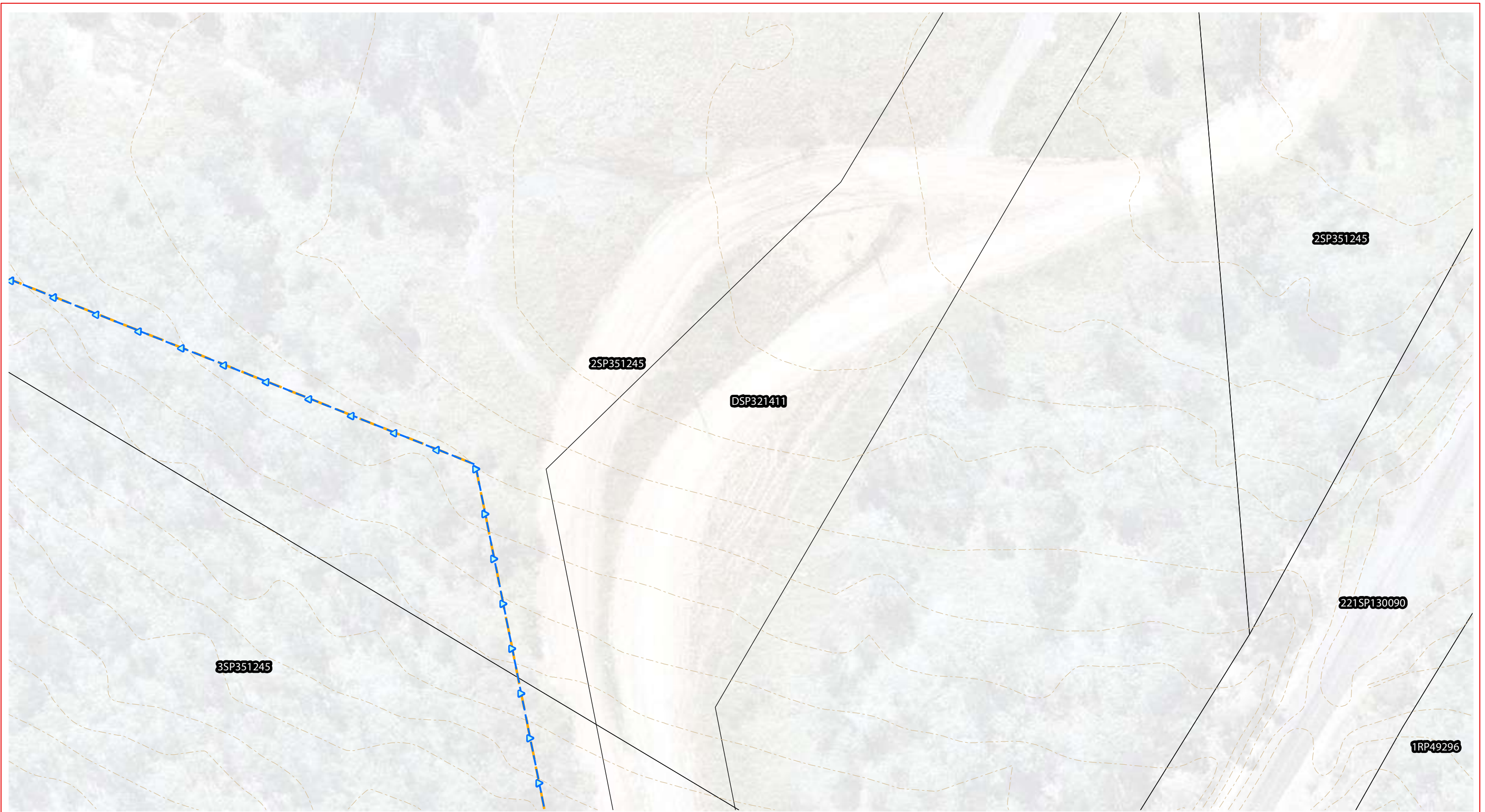
Project:

Caretaker Dwelling - Monarch Glen Project

environmental management

Plan of:
Vegetation Clearing & Fauna Management Plan

Date: 5/06/2025	Checked: AR
Client Ref: 11731	Drawn: TC
Drawing No.: 11731 E 09 CTVCFMP B	



Tree to retain in the application, retention is subject to future works

Tree with hollows to retain in the application, retention is subject to future works

Tree to remove in this application

Tree with hollows to remove in this application

Vegetated areas to clear

—

Qld DCDB

—

Caretaker Dwelling construction footprint

—

Bushfire management/vegetatio clearing area

—

Existing contours (Qld LIDAR)

—

Fauna friendly tree protection fencing

environmental management

Plan of:

Vegetation Clearing & Fauna Management Plan

Date: 5/06/2025

Checked: AR

Client Ref: 11731

Drawn: TC

Drawing No.: 11731 E 10 CT VCFMP B

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Client:

Monarch Glen No 1 Pty Limited as trustee of the Monarch Glen Trust No 1

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References:

Amendments:

Issue	Date	Description	Checked
A	23/05/2025	Preliminary	AR
B	5/06/2025	Updated Clearing Extent	AR

Project:

Caretaker Dwelling - Monarch Glen Project

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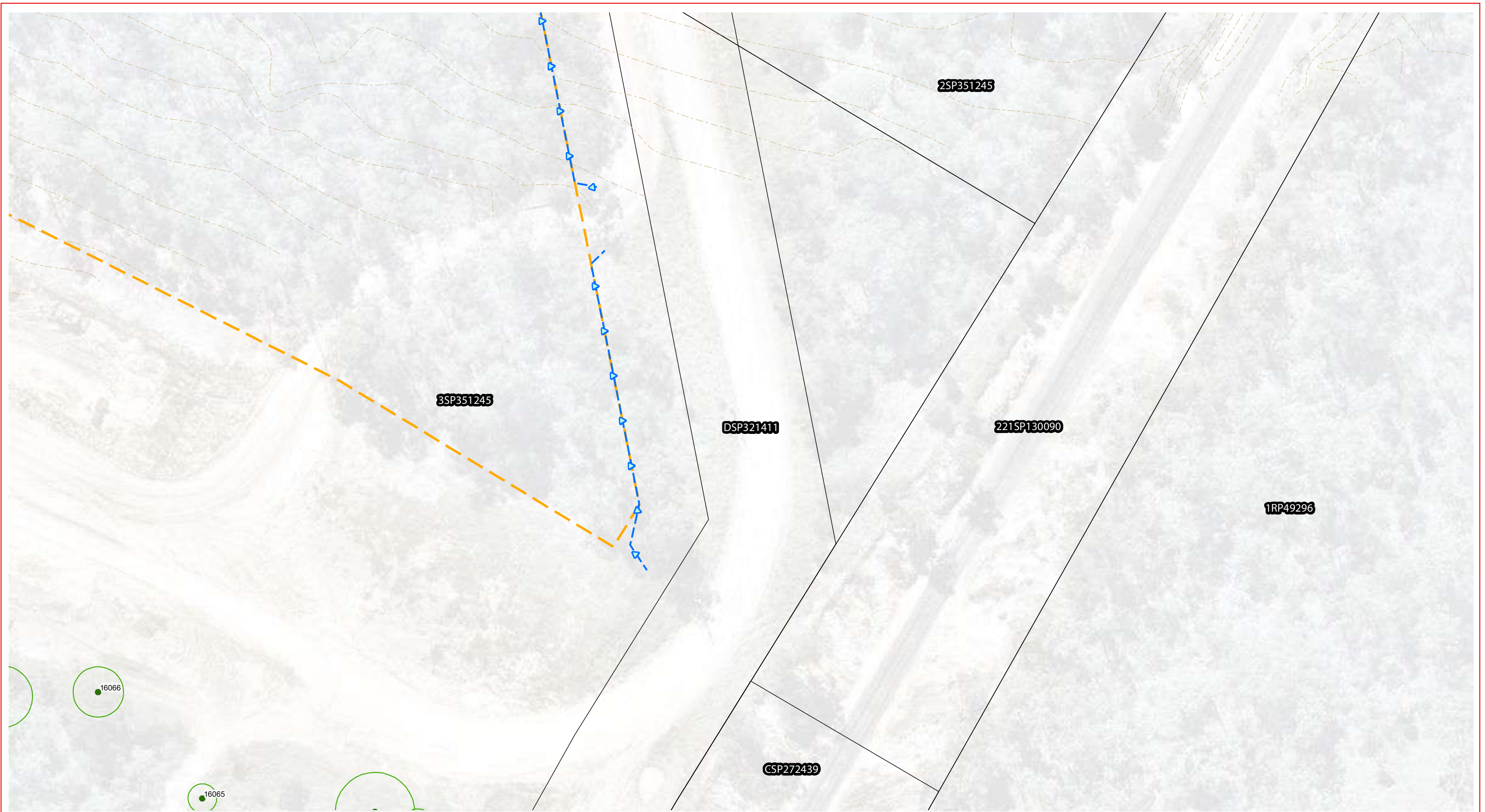
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Vegetation Clearing & Fauna Management Plan - *Detail sheet 10*



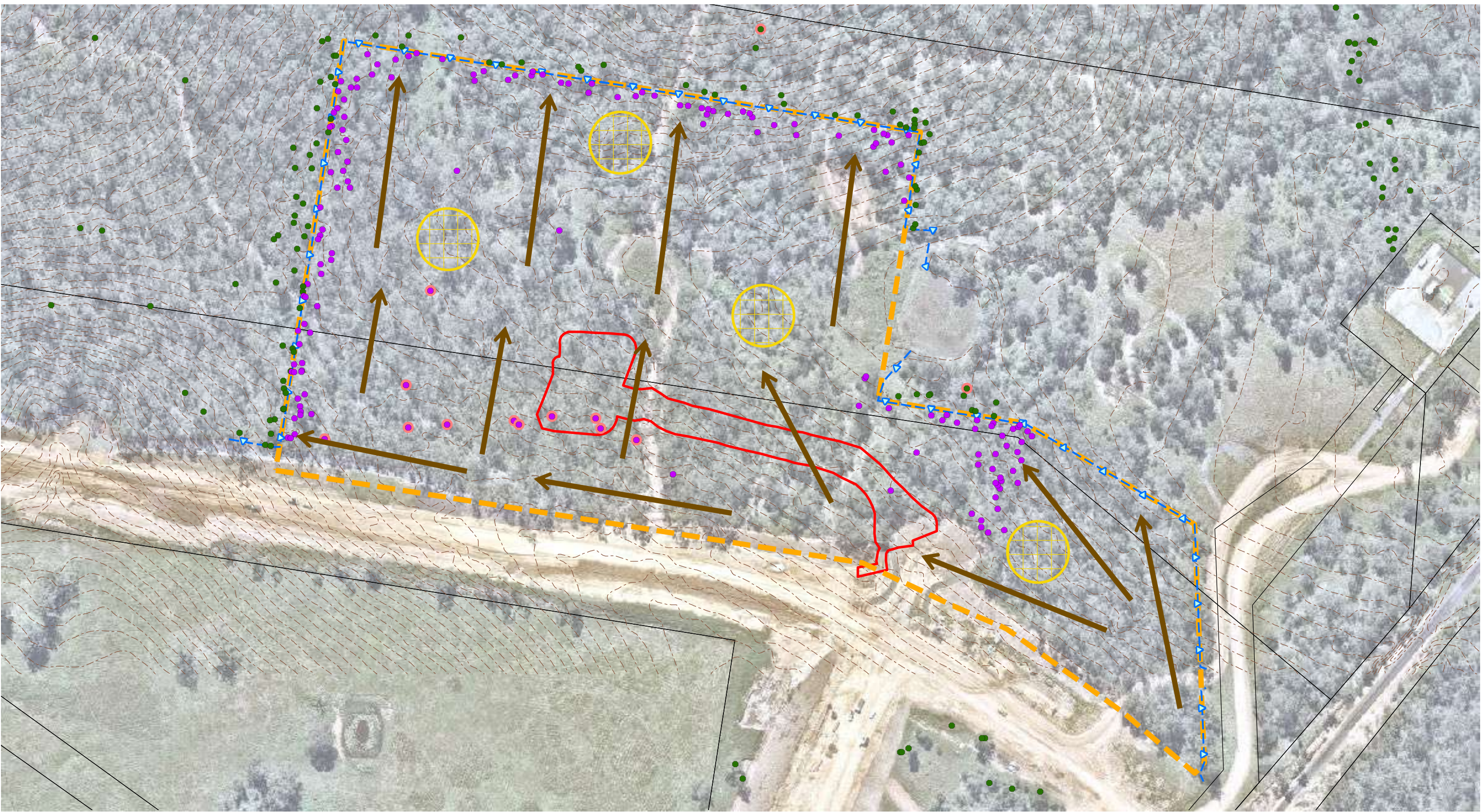
GPS Tree Plot (w/ TPZ)

- Tree to retain in the application, retention is subject to future works
- Tree with hollows to retain in the application, retention is subject to future works

- Tree to remove in this application
- Tree with hollows to remove in this application
- Vegetated areas to clear

- Qld DCDB
- Caretaker Dwelling construction footprint
- Bushfire management/vegetatio clearing area
- Existing contours (Qld LIDAR)
- Fauna friendly tree protection fencing

Vegetation Clearing & Fauna Management Plan - *Detail sheet 11*



GPS Tree Plot (w/ TPZ)

- Tree to retain in the application, retention is subject to future works
- Tree with hollows to retain in the application, retention is subject to future works

- Tree to remove in this application
- Tree with hollows to remove in this application

- Qld DCDB
- Caretaker Dwelling construction footprint
- Bushfire management/vegetatio clearing area
- Existing contours (Qld LIDAR)

- Fauna friendly tree protection fencing
- Indicative stockpiling locations
- Vegetation clearing direction

Vegetation Clearing & Fauna Management Plan - *Clearing Direction*

Caretaker Tree Schedule - 11731																														
Monarch Glen Project (Monarch Glen No 1 Pty Limited as trustee of the Monarch Glen Trust No 1)																														
Date: 2025/06/5																														
Specimen Details											Canopy Condition Details							Trunk Condition Details					Fauna Details and Habitat Value						Additional Details	
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
15246	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	630		630	198	17.0	11.0	7.6	2.7	Regular	-	-	Die-back	-	-	Typical	-	-	-	-	Typical	-	-	Small	-	-	-	Retain - future TBD	
15250	<i>Corymbia intermedia</i>	Pink Bloodwood	500		200	220	17.0	8.0	8.4	2.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
15251	<i>Eucalyptus moluccana</i>	Gum-topped Box	580		580	182	25.0	17.0	7.0	2.6	Regular	-	-	Die-back	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
15252	<i>Eucalyptus moluccana</i>	Gum-topped Box	570		570	179	18.0	15.0	6.8	2.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
15253	<i>Corymbia citriodora</i>	Spotted Gum	655		655	206	22.0	15.0	7.9	2.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
15714	<i>Eucalyptus siderophloia</i>	Northern Grey Ironbark	690		690	217	19.0	8.0	8.3	2.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
15715	<i>Eucalyptus siderophloia</i>	Northern Grey Ironbark	490		490	154	18.0	7.0	5.9	2.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
15721	<i>Eucalyptus tereticornis</i>	Forest Red Gum	950		950	383	27.0	18.0	14.6	3.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
16066	<i>Corymbia citriodora</i>	Spotted Gum	350		350	110	14.0	8.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
16299	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	1200		1200	377	18.0	10.0	14.4	3.6	Regular	-	-	Die-back	Epicormic	opped	Poor	-	-	-	-	Typical	-	-	Large	-	-	-	Retain - future TBD	
16310	<i>Corymbia citriodora</i>	Spotted Gum	550		550	173	28.0	8.0	6.6	2.6	Regular	-	-	-	-	-	Typical	-	-	Trunk Dmg.	-	Typical	-	-	-	-	-	-	Retain - future TBD	
16311	<i>Corymbia citriodora</i>	Spotted Gum	610		610	192	27.0	13.0	7.3	2.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
16318	<i>Eucalyptus moluccana</i>	Gum-topped Box	520		520	173	17.0	11.0	6.6	2.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18427	<i>Corymbia citriodora</i>	Spotted Gum	240		240	75	14.0	6.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18428	<i>Corymbia citriodora</i>	Spotted Gum	260		260	82	15.0	7.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18429	<i>Corymbia citriodora</i>	Spotted Gum	260		260	82	16.0	7.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18430	<i>Corymbia citriodora</i>	Spotted Gum	210		210	66	13.0	5.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18431	<i>Corymbia citriodora</i>	Spotted Gum	200		200	63	12.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18432	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	240		240	75	10.0	4.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18433	<i>Corymbia citriodora</i>	Spotted Gum	270		270	85	15.0	8.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18434	<i>Corymbia citriodora</i>	Spotted Gum	200		200	63	12.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18435	<i>Corymbia citriodora</i>	Spotted Gum	220		220	69	13.0	5.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18436	<i>Corymbia citriodora</i>	Spotted Gum	200		200	63	14.0	7.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18437	<i>Corymbia citriodora</i>	Spotted Gum	205		205	64	16.0	7.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18438	<i>Corymbia citriodora</i>	Spotted Gum	260		260	82	17.0	9.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18439	<i>Corymbia citriodora</i>	Spotted Gum	500		500	157	16.0	10.0	6.0	2.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18440	<i>Corymbia citriodora</i>	Spotted Gum	260		260	82	7.0	5.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18441	<i>Corymbia citriodora</i>	Spotted Gum	320		320	101	16.0	8.0	3.8	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18442	<i>Corymbia citriodora</i>	Spotted Gum	200		200	63	16.0	5.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18443	<i>Corymbia citriodora</i>	Spotted Gum	335		335	105	17.0	7.0	4.0	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18444	<i>Corymbia citriodora</i>	Spotted Gum	400		400	126	16.0	10.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18445	<i>Eucalyptus tereticornis</i>	Forest Red Gum	350		350	110	11.0	6.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18446	<i>Acacia disparrima</i>	Hickory Wattle	240		240	75	11.0	8.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18447	<i>Corymbia intermedia</i>	Pink Bloodwood	250	170	302	95	15.0	6.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18448	<i>Eucalyptus tereticornis</i>	Forest Red Gum	250		250	79	11.0	5.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18449	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	200		200	63	12.0	6.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18450	<i>Eucalyptus tereticornis</i>	Forest Red Gum	280		280	88	12.0	5.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18451	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	200		200	63	8.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	

Specimen Details											Canopy Condition Details							Trunk Condition Details					Fauna Details and Habitat Value						Additional Details	
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
18452	Eucalyptus tereticornis	Forest Red Gum	210		210	66	15.0	6.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18453	Eucalyptus tereticornis	Forest Red Gum	200	120 90	250	79	10.0	6.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18454	Acacia dispartima	Hickory Wattle	260		260	82	9.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18455	Eucalyptus tereticornis	Forest Red Gum	260		260	82	14.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18456	Eucalyptus crebra	Narrow-leaved Ironbark	310		310	97	12.0	6.0	3.7	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18457	Corymbia intermedia	Pink Bloodwood	312		312	98	16.0	7.0	3.7	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18458	Eucalyptus tereticornis	Forest Red Gum	270		270	85	11.0	4.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18459	Corymbia intermedia	Pink Bloodwood	390		390	123	15.0	9.0	4.7	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18460	Corymbia intermedia	Pink Bloodwood	180		180	57	10.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18461	Alphitonia excelsa	Soap Tree	180		180	57	8.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18462	Eucalyptus crebra	Narrow-leaved Ironbark	240		240	75	5.0	5.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18463	Corymbia intermedia	Pink Bloodwood	401		401	126	14.0	9.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18464	Corymbia intermedia	Pink Bloodwood	440		440	138	16.0	9.0	5.3	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18465	Corymbia intermedia	Pink Bloodwood	340		340	107	12.0	8.0	4.1	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18466	Eucalyptus tereticornis	Forest Red Gum	370		370	116	16.0	9.0	4.4	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18467	Corymbia tessellaris	Moreton Bay Ash	220		220	69	12.0	4.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18468	Eucalyptus crebra	Narrow-leaved Ironbark	240		240	75	12.0	5.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18469	Eucalyptus tereticornis	Forest Red Gum	210		210	66	15.0	6.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18470	Eucalyptus tereticornis	Forest Red Gum	260		260	82	12.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18471	Corymbia citriodora	Spotted Gum	280		280	88	12.0	6.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18472	Corymbia intermedia	Pink Bloodwood	160		160	50	8.0	4.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18473	Corymbia intermedia	Pink Bloodwood	200		200	63	9.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18474	Corymbia citriodora	Spotted Gum	200		200	63	10.0	5.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18475	Corymbia intermedia	Pink Bloodwood	220		220	69	15.0	9.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18476	Corymbia intermedia	Pink Bloodwood	400		400	126	16.0	9.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18477	Corymbia intermedia	Pink Bloodwood	260		260	82	12.0	5.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18478	Corymbia intermedia	Pink Bloodwood	400		400	126	16.0	9.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18479	Corymbia intermedia	Pink Bloodwood	340		340	107	17.0	9.0	4.1	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18480	Eucalyptus tereticornis	Forest Red Gum	220		220	69	13.0	6.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18481	Corymbia intermedia	Pink Bloodwood	400		400	126	16.0	6.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18482	Corymbia citriodora	Spotted Gum	230		230	72	14.0	8.0	2.8	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18483	Corymbia citriodora	Spotted Gum	390		390	123	11.0	8.0	4.7	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18484	Corymbia citriodora	Spotted Gum	330		330	104	18.0	6.0	4.0	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18485	Corymbia citriodora	Spotted Gum	180		180	57	14.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18486	Corymbia citriodora	Spotted Gum	200		200	63	14.0	5.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18487	Corymbia citriodora	Spotted Gum	190		190	60	11.0	5.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18488	Corymbia citriodora	Spotted Gum	260		260	82	17.0	9.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18489	Corymbia citriodora	Spotted Gum	300		300	94	15.0	4.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18490	Corymbia citriodora	Spotted Gum	205		205	64	15.0	4.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18491	Corymbia citriodora	Spotted Gum	308		308	97	9.0	4.0	3.7	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18492	Corymbia citriodora	Spotted Gum	240		240	75	14.0	6.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	

Specimen Details											Canopy Condition Details						Trunk Condition Details					Fauna Details and Habitat Value						Additional Details		
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
18493	Corymbia citriodora	Spotted Gum	240		240	75	15.0	6.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18494	Corymbia citriodora	Spotted Gum	190		190	60	14.0	6.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18495	Corymbia citriodora	Spotted Gum	280		280	88	11.0	5.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18496	Corymbia citriodora	Spotted Gum	250		250	79	9.0	4.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18497	Eucalyptus moluccana	Gum-topped Box	180		180	57	9.0	5.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18498	Corymbia citriodora	Spotted Gum	280		280	88	15.0	7.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18499	Corymbia citriodora	Spotted Gum	400		400	126	16.0	9.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18500	Eucalyptus crebra	Narrow-leaved Ironbark	240		240	75	13.0	9.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18501	Corymbia citriodora	Spotted Gum	210		210	66	15.0	4.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18502	Corymbia citriodora	Spotted Gum	290		290	91	17.0	8.0	3.5	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18503	Corymbia citriodora	Spotted Gum	330		330	104	16.0	7.0	4.0	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18504	Corymbia intermedia	Pink Bloodwood	200		200	63	11.0	7.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18505	Corymbia citriodora	Spotted Gum	180		180	57	11.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18506	Corymbia citriodora	Spotted Gum	160		160	50	10.0	5.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18507	Eucalyptus moluccana	Gum-topped Box	200		200	63	14.0	6.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18508	Alphitonia excelsa	Soap Tree	150		150	47	9.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18509	Acacia disparrima	Hickory Wattle	140		140	44	6.0	4.0	2.0	1.4	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18510	Corymbia citriodora	Spotted Gum	500		500	157	15.0	5.0	6.0	2.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18511	Corymbia citriodora	Spotted Gum	270		270	85	16.0	8.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18512	Eucalyptus crebra	Narrow-leaved Ironbark	340		340	107	16.0	9.0	4.1	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18513	Corymbia citriodora	Spotted Gum	250		250	79	15.0	6.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18514	Corymbia citriodora	Spotted Gum	310		310	97	17.0	9.0	3.7	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18515	Corymbia citriodora	Spotted Gum	300		300	94	16.0	7.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18516	Eucalyptus crebra	Narrow-leaved Ironbark	400		400	126	17.0	7.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18517	Corymbia citriodora	Spotted Gum	280		280	88	18.0	9.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18518	Corymbia citriodora	Spotted Gum	350		350	110	18.0	11.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18519	Corymbia citriodora	Spotted Gum	380		380	119	14.0	8.0	4.6	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	
18520	Acacia disparrima	Hickory Wattle	200		200	63	6.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18521	Corymbia citriodora	Spotted Gum	430		430	135	16.0	8.0	5.2	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18522	Corymbia citriodora	Spotted Gum	280		280	88	12.0	6.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18523	Corymbia citriodora	Spotted Gum	290		290	91	16.0	8.0	3.5	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18524	Corymbia citriodora	Spotted Gum	220		220	69	12.0	4.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18525	Corymbia citriodora	Spotted Gum	200		200	63	10.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18526	Corymbia citriodora	Spotted Gum	250		250	79	16.0	4.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18527	Corymbia citriodora	Spotted Gum	250		250	79	16.0	5.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18528	Corymbia citriodora	Spotted Gum	210		210	66	15.0	5.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18529	Corymbia citriodora	Spotted Gum	280		280	88	18.0	7.0	3.4	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18530	Corymbia citriodora	Spotted Gum	260		260	82	16.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18531	Corymbia citriodora	Spotted Gum	200		200	63	14.0	5.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18532	Corymbia citriodora	Spotted Gum	250		250	79	18.0	7.0	3.0	1.8	Regular	-	-	Die-back	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18533	Corymbia citriodora	Spotted Gum	210		210	66	16.0	5.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	

Specimen Details										Canopy Condition Details						Trunk Condition Details					Fauna Details and Habitat Value						Additional Details			
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
18534	Corymbia citriodora	Spotted Gum	270		270	85	18.0	6.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18535	Corymbia citriodora	Spotted Gum	220		220	69	7.0	3.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	Trunk Dmg.	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18536	Corymbia citriodora	Spotted Gum	270		270	85	20.0	7.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18537	Corymbia citriodora	Spotted Gum	210		210	66	18.0	6.0	2.5	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18538	Corymbia citriodora	Spotted Gum	380		380	119	18.0	6.0	4.6	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18539	Corymbia citriodora	Spotted Gum	290		290	91	18.0	6.0	3.5	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18540	Eucalyptus siderophloia	Northern Grey Ironbark	230		230	72	10.0	5.0	2.8	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18541	Corymbia citriodora	Spotted Gum	270		270	85	14.0	6.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18542	Corymbia citriodora	Spotted Gum	240		240	75	20.0	8.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18543	Corymbia citriodora	Spotted Gum	270		270	85	18.0	7.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18544	Corymbia citriodora	Spotted Gum	350		350	110	16.0	10.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18545	Corymbia citriodora	Spotted Gum	230		230	72	18.0	7.0	2.8	1.8	Regular	-	-	Die-back	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18546	Corymbia citriodora	Spotted Gum	270		270	85	14.0	6.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18547	Acacia disparrima	Hickory Wattle	250		250	79	6.0	5.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18548	Corymbia citriodora	Spotted Gum	250		250	79	12.0	6.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18549	Corymbia citriodora	Spotted Gum	220		220	69	12.0	7.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18550	Corymbia citriodora	Spotted Gum	330		330	104	16.0	8.0	4.0	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18551	Acacia disparrima	Hickory Wattle	220		220	69	6.0	3.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18552	Acacia disparrima	Hickory Wattle	200		200	63	5.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18553	Eucalyptus siderophloia	Northern Grey Ironbark	140	120	184	58	6.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18554	Acacia disparrima	Hickory Wattle	180		180	57	7.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18555	Eucalyptus siderophloia	Northern Grey Ironbark	220		220	69	7.0	3.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18556	Acacia disparrima	Hickory Wattle	360		360	113	7.0	5.0	4.3	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18557	Corymbia citriodora	Spotted Gum	190	110	220	69	14.0	6.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18558	Eucalyptus tereticornis	Forest Red Gum	180		180	57	6.0	2.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18559	Eucalyptus tereticornis	Forest Red Gum	190		190	60	12.0	5.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18560	Eucalyptus tereticornis	Forest Red Gum	200		200	63	10.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18561	Eucalyptus tereticornis	Forest Red Gum	260		260	82	10.0	5.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18562	Eucalyptus tereticornis	Forest Red Gum	190		190	60	8.0	4.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18563	Eucalyptus tereticornis	Forest Red Gum	270		270	85	12.0	6.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18564	Eucalyptus tereticornis	Forest Red Gum	220		220	69	14.0	6.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18565	Eucalyptus tereticornis	Forest Red Gum	180		180	57	12.0	5.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18566	Eucalyptus siderophloia	Northern Grey Ironbark	190		190	60	7.0	3.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Retain - future TBD	
18567	Corymbia citriodora	Spotted Gum	180		180	57	8.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18568	Corymbia tessellaris	Moreton Bay Ash	260		260	82	10.0	4.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18569	Acacia disparrima	Hickory Wattle	280	250	375	118	6.0	5.0	4.5	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18570	Eucalyptus tereticornis	Forest Red Gum	300		300	94	12.0	6.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18571	Acacia concurrens	Black Wattle	140		140	44	7.0	4.0	2.0	1.4	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18572	Eucalyptus tereticornis	Forest Red Gum	250		250	79	12.0	4.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18573	Eucalyptus tereticornis	Forest Red Gum	260		260	82	12.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	
18574	Corymbia intermedia	Pink Bloodwood	380		380	119	16.0	10.0	4.6	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-	-	-	Remove - Caretaker app.	

Specimen Details											Canopy Condition Details							Trunk Condition Details					Fauna Details and Habitat Value						Additional Details	
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
18575	<i>Eucalyptus tereticornis</i>	Forest Red Gum	200		200	63	8.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18576	<i>Acacia disparrima</i>	Hickory Wattle	100		100	31	6.0	2.0	2.0	1.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18577	<i>Corymbia tessellaris</i>	Moreton Bay Ash	180		180	57	12.0	5.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18578	<i>Corymbia intermedia</i>	Pink Bloodwood	200		200	63	12.0	5.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18579	<i>Acacia disparrima</i>	Hickory Wattle	160		160	50	6.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18580	<i>Corymbia intermedia</i>	Pink Bloodwood	260		260	82	18.0	7.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18581	<i>Eucalyptus tereticornis</i>	Forest Red Gum	260		260	82	16.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18582	<i>Eucalyptus tereticornis</i>	Forest Red Gum	150		150	47	10.0	5.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18583	<i>Acacia concurrens</i>	Black Wattle	180		180	57	6.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18584	<i>Corymbia intermedia</i>	Pink Bloodwood	380		380	119	20.0	12.0	4.6	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18585	<i>Corymbia intermedia</i>	Pink Bloodwood	300		300	94	18.0	6.0	3.6	2.0	Regular	-	-	Die-back	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18586	<i>Eucalyptus tereticornis</i>	Forest Red Gum	360		360	113	16.0	7.0	4.3	2.2	Regular	-	-	-	-	-	Typical	-	-	Trunk Dmg.	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18587	<i>Lophostemon suaveolens</i>	Swamp Box	180		180	57	6.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18588	<i>Corymbia intermedia</i>	Pink Bloodwood	100		100	31	4.0	2.0	2.0	1.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18589	<i>Corymbia intermedia</i>	Pink Bloodwood	420		420	132	20.0	12.0	5.0	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18590	<i>Eucalyptus siderophloia</i>	Northern Grey Ironbark	190		190	60	12.0	4.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18591	<i>Eucalyptus tereticornis</i>	Forest Red Gum	300		300	94	16.0	7.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18592	<i>Acacia concurrens</i>	Black Wattle	160		160	50	7.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18593	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	140		140	44	7.0	2.0	2.0	1.4	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18594	<i>Corymbia citriodora</i>	Spotted Gum	220		220	69	10.0	5.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18595	<i>Eucalyptus siderophloia</i>	Northern Grey Ironbark	170		170	53	8.0	2.0	2.0	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18596	<i>Corymbia citriodora</i>	Spotted Gum	290		290	91	18.0	8.0	3.5	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18597	<i>Corymbia citriodora</i>	Spotted Gum	150		150	47	8.0	4.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18598	<i>Corymbia citriodora</i>	Spotted Gum	220		220	69	12.0	5.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18599	<i>Corymbia intermedia</i>	Pink Bloodwood	150		150	47	8.0	5.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18600	<i>Lophostemon suaveolens</i>	Swamp Box	230		230	72	7.0	4.0	2.8	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18601	<i>Eucalyptus tereticornis</i>	Forest Red Gum	350		350	110	20.0	10.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18602	<i>Corymbia intermedia</i>	Pink Bloodwood	550		550	173	26.0	16.0	6.6	2.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18603	<i>Corymbia intermedia</i>	Pink Bloodwood	400		400	126	18.0	10.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18604	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	200		200	63	12.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18605	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	200		200	63	16.0	5.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18606	<i>Corymbia intermedia</i>	Pink Bloodwood	500		500	157	20.0	12.0	6.0	2.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18607	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	160		160	50	8.0	4.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18608	<i>Corymbia citriodora</i>	Spotted Gum	200		200	63	14.0	6.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18609	<i>Corymbia citriodora</i>	Spotted Gum	260		260	82	10.0	5.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18610	<i>Corymbia citriodora</i>	Spotted Gum	200		200	63	10.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18611	<i>Corymbia citriodora</i>	Spotted Gum	240		240	75	16.0	5.0	2.9	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18612	<i>Corymbia citriodora</i>	Spotted Gum	230		230	72	18.0	5.0	2.8	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18613	<i>Corymbia citriodora</i>	Spotted Gum	360		360	113	20.0	10.0	4.3	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18614	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	350		350	110	22.0	10.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18615	<i>Corymbia citriodora</i>	Spotted Gum	160		160	50	10.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	

Specimen Details											Canopy Condition Details						Trunk Condition Details					Fauna Details and Habitat Value						Additional Details		
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
18616	Corymbia citriodora	Spotted Gum	160		160	50	12.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18617	Corymbia citriodora	Spotted Gum	260		260	82	14.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18618	Corymbia citriodora	Spotted Gum	180		180	57	12.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18619	Corymbia citriodora	Spotted Gum	180		180	57	10.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18620	Eucalyptus moluccana	Gum-topped Box	400		400	126	20.0	10.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18621	Corymbia citriodora	Spotted Gum	200		200	63	18.0	6.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18622	Corymbia intermedia	Pink Bloodwood	200		200	63	10.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18623	Corymbia citriodora	Spotted Gum	160		160	50	8.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18624	Corymbia citriodora	Spotted Gum	200		200	63	14.0	4.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18625	Corymbia citriodora	Spotted Gum	180		180	57	12.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18626	Corymbia citriodora	Spotted Gum	170		170	53	8.0	3.0	2.0	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18627	Corymbia citriodora	Spotted Gum	300	220	372	117	20.0	7.0	4.5	2.2	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18628	Corymbia citriodora	Spotted Gum	180		180	57	10.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18629	Corymbia citriodora	Spotted Gum	200		200	63	12.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18630	Corymbia citriodora	Spotted Gum	180		180	57	10.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18631	Corymbia citriodora	Spotted Gum	230		230	72	12.0	4.0	2.8	1.8	Regular	-	-	-	Epicormic	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18632	Corymbia citriodora	Spotted Gum	190		190	60	18.0	6.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18633	Corymbia citriodora	Spotted Gum	160		160	50	10.0	4.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18634	Corymbia citriodora	Spotted Gum	190		190	60	7.0	3.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18635	Corymbia citriodora	Spotted Gum	340		340	107	22.0	10.0	4.1	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18636	Corymbia citriodora	Spotted Gum	250		250	79	20.0	7.0	3.0	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18637	Corymbia citriodora	Spotted Gum	220		220	69	16.0	7.0	2.6	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18638	Corymbia citriodora	Spotted Gum	300		300	94	22.0	12.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18639	Corymbia citriodora	Spotted Gum	290		290	91	24.0	12.0	3.5	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18640	Eucalyptus siderophloia	Northern Grey Ironbark	190		190	60	10.0	3.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18641	Eucalyptus moluccana	Gum-topped Box	200		200	63	8.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18642	Eucalyptus siderophloia	Northern Grey Ironbark	190		190	60	8.0	3.0	2.3	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18643	Eucalyptus siderophloia	Northern Grey Ironbark	170		170	53	12.0	4.0	2.0	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18644	Corymbia citriodora	Spotted Gum	230		230	72	19.0	7.0	2.8	1.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18645	Corymbia citriodora	Spotted Gum	200		200	63	12.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18646	Corymbia citriodora	Spotted Gum	180		180	57	12.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18647	Corymbia citriodora	Spotted Gum	180		180	57	12.0	4.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18648	Corymbia citriodora	Spotted Gum	300		300	94	23.0	12.0	3.6	2.0	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18649	Corymbia citriodora	Spotted Gum	230		230	72	12.0	3.0	2.8	1.8	Regular	-	-	Die-back	Epicormic	-	Poor	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18650	Corymbia citriodora	Spotted Gum	270		270	85	23.0	8.0	3.2	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18651	Corymbia citriodora	Spotted Gum	180		180	57	8.0	3.0	2.2	1.6	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18652	Corymbia citriodora	Spotted Gum	350		350	110	24.0	12.0	4.2	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18653	Corymbia citriodora	Spotted Gum	410		410	129	25.0	12.0	4.9	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18654	Corymbia intermedia	Pink Bloodwood	200		200	63	8.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18655	Corymbia citriodora	Spotted Gum	400		400	126	20.0	7.0	4.8	2.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18656	Eucalyptus siderophloia	Northern Grey Ironbark	260		260	82	12.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	

Specimen Details											Canopy Condition Details							Trunk Condition Details					Fauna Details and Habitat Value						Additional Details	
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Additional Trunks DBH (mm)	Total DBH (mm) [AS 4970-2009]	Trunk Circumference (cm) [AS 4970-2009]	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Thinning	Die-Back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Fire Damage	Trunk Health	Scats	Scratches	Hollows	Nest	Termite Nest	Habitat Value	Retention	Additional Notes
18657	Corymbia citriodora	Spotted Gum	320		320	101	14.0	6.0	3.8	2.1	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18658	Corymbia citriodora	Spotted Gum	260		260	82	16.0	6.0	3.1	1.9	Regular	-	-	-	-	-	Typical	-	-	Trunk Dmg.	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18659	Corymbia intermedia	Pink Bloodwood	200		200	63	7.0	3.0	2.4	1.7	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18660	Corymbia citriodora	Spotted Gum	100		100	31	6.0	3.0	2.0	1.3	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Retain - future TBD	
18661	Corymbia intermedia	Pink Bloodwood	110		110	35	5.0	2.0	2.0	1.3	Regular	-	-	-	Epicormic	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18662	Eucalyptus crebra	Narrow-leaved Ironbark	150		150	47	8.0	3.0	2.0	1.5	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	-	-		-	Remove - Caretaker app.	
18663	Corymbia citriodora	Spotted Gum	670		670	210	28.0	16.0	8.0	2.8	Regular	-	-	-	-	-	Typical	-	-	-	-	Typical	-	-	Yes	-		-	Remove - Caretaker app.	