



Preliminary Site Investigation
313 Magpie Lane, Galambine NSW 2850

Prepared for: CAM Engineering and Constructions Pty Ltd
EP3386.001 V2 26 February 2024



QMS Certification Services



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Preliminary Site Investigation

313 Magpie Lane, Galambine NSW 2850

CAM Engineering and Constructions Pty Ltd
383 Freemans Drive,
Cooranbong NSW 2265

26 February 2024

Our Ref: EP3386.001 V2

LIMITATIONS

This Preliminary Site Investigation was conducted on the behalf of CAM Engineering and Constructions Pty Ltd for the purpose/s stated in **Section 1**.

EP Risk has prepared this document in good faith but is unable to provide certification outside of areas over which EP Risk had some control or were reasonably able to check. The report also relies upon information provided by third parties. EP Risk has undertaken all practical steps to confirm the reliability of the information provided by third parties and do not accept any liability for false or misleading information provided by these parties.

It is not possible in a Preliminary Site Investigation to present all data, which could be of interest to all readers of this report. Readers are referred to any referenced investigation reports for further data.

Users of this document should satisfy themselves concerning its application to, and where necessary seek expert advice in respect to, their situation.

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QUALITY CONTROL

Version	Author	Date	Reviewer	Date	Quality Review	Date
V1	L. Kerry	9.10.2023	K. Guenther	12.10.2023	K. Guenther	12.10.2023
V2	L. Kerry	26.02.2024	K. Guenther	26.02.2024	K. Guenther	26.02.2024

DOCUMENT CONTROL

Version	Date	Reference	Submitted to
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Executive Summary

Introduction

EP Risk Management Pty Ltd (EP Risk) was engaged by CAM Engineering and Construction Pty Ltd (CAM) to undertake a Preliminary Site Investigation for a property located at 313 Magpie Lane, Galambine, New South Wales (NSW) (the Site). The site is located within lot 1 DP174385 and is approximately 72.41 ha in area. It is understood the Site is proposed to be redeveloped into two zones consisting of short-term accommodation in the north-western portion of the Site and long-term accommodation for the rest of the Site. The PSI is required to support the Development Application for the proposed development.

Objective

The PSI was required to assess whether any contaminating activities are likely to have occurred at the Site which may present a human health or ecological risk under the proposed land use.

Summary of Findings

The Site comprises of a triangular shaped portion of land and fronts the Magpie Lane to the north, Guntawang Road to the west and farmland and vineyard to the east. At the time of the investigation the site was largely vacant apart from a shed and shipping container located on the eastern boundary, a partial constructed internal road and concrete annulus for a previous proposed roundabout. The land appears to be used for primary production purposes - grazing.

The site topography slopes gently from east towards west with elevations of approximately 450m Australian Height Datum (AHD) along the eastern boundary and approximately 420-430 m AHD along the western boundary on Guntawang Road. The site vegetation consists of short grass with scattered mature trees across the site. Several small dams associated with the primary production activities have been noted on site.

General site features observed consisted of a Shed and shipping container along the eastern boundary of the Site, a partially constructed internal road in the central northern portion of the Site, a concrete annulus for a previously proposed roundabout, approximately six (6) main onsite dams and multiple areas of recontouring of the Site.

Based on the review of the historical information, the Site was formerly used as cleared farmland. The Site operated as grazing land prior to 1971. From 1971 to 1999 when it was owned by an accountant and station manager the Site was mainly utilised for rural living. The surrounding land use comprised rural / agricultural and viticultural land use.

Conclusion and Recommendations

Overall, based on this assessment and the conceptual site model for the proposed development there are potentially complete source-receptor pathways. Therefore, further soil sampling is recommended in order to assess the potentially complete pathways. Currently the Site is considered to pose a low risk of contamination to the proposed future land users.

While contamination at a level warranting management or remediation was not identified from the initial inspections of the Site, the following is recommended to meet industry best practice during development activities:

- Additional soil sampling should be conducted to assess the potentially complete source-receptor pathways in the conceptual Site model.

- High potential salinity soils were identified onsite as part of the desktop review. Salinity management should be included as part of the construction environmental management plan for the Site.
- Anthropogenic material from the demolition of the existing shed in the central eastern portion of the Site should be removed from the Site prior to any vegetation clearance or earthworks activities.
- An unexpected finds protocol should be implemented during redevelopment to address any unidentified contamination that may be encountered during the proposed redevelopment works.

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1 Introduction

EP Risk Management Pty Ltd (EP Risk) was engaged by CAM Engineering and Construction Pty Ltd (CAM) to undertake a Preliminary Site Investigation for a property located at 313 Magpie Lane, Galambine, New South Wales (NSW) (the Site).

The site is located within lot 1 DP174385 and is approximately 72.41 ha in area. It is understood the Site is proposed to be redeveloped in to two zones consisting of residential short-term accommodation in the north-western portion of the Site and residential long-term accommodation for the rest of the Site. The PSI is required to support the Development Application for the proposed development.

1.1 Site Identification

The Site identification details are presented in **Table 1**.

Table 1 – Site Identification	
Item	Description
Address	313 Magpie Lane, Galambine, NSW (Figure 1)
Legal description	The Site is legally described as Lot 1 in deposited plan (DP) 174385.
Approximate Area	Approximately 72.41 hectares (ha).
Municipality	Mid Western Regional (Council)
Zoning	The Mid Western Regional Local Environment Plan (LEP) 2012 identifies the Site as RU4 - Primary Production Small Lots.

1.2 Proposed Development

The Proposed Development comprises of:

- 240 long term accommodation small lots.
- 147 short term accommodation small lots.
- Two (2) Community centres.
- Carparks.
- Two (2) Office and activities area.
- Three (3) amenities blocks.
- Water storage tanks.
- Wastewater pump station.
- Two catchment dams.

The concept plans are provided as **Appendix A**.

1.3 Objective

The PSI was required to assess whether any contaminating activities are likely to have occurred at the Site which may present a human health or ecological risk under the proposed land use.

1.4 Scope of Work

The scope of work completed to achieve the objective was:

- Undertake a desktop study for a Site history review, based upon:
 - Council and regulatory records;
 - Historical and current land title records;
 - Historical aerial photographs;
 - Regulatory searches, including NSW Environmental Protection Authority (EPA) Notified, Contaminated and Investigation Sites; and
 - Geological and hydrological information.
- Undertake a Site visit to observe onsite and offsite conditions.
- Identify potentially contaminating activities that have occurred at the Site and develop a preliminary site conceptual model (CSM).
- Preparation of a report in accordance with the NSW Environment Protection Authority (NSW EPA) (2020) *Guideline for Consultants Reporting on Contaminated Land* and the National Environment Protection (Assessment of Site Contamination) Measure 1999 (ASC NEPM 2013).

1.5 Technical Framework

The PSI was conducted in general accordance with:

- ASC NEPM (2013).
- NSW EPA (2017) Guidelines for the NSW Auditor Scheme (3rd Edition) (NSW Auditor Guidelines).
- NSW EPA (2020) Contaminated Land Guidelines – Consultants Reporting on Contaminated Sites.
- Protection of the Environment Operations (POEO) Act 1997.
- The Mid Western Regional LEP (2012).
- State Environmental Planning Policy (Resilience and Hazards) 2021 (Resilience and Hazards SEPP)
- Department of Urban Affairs and Planning and Environment Protection Authority (EPA) (1998) *Managing Land Contamination, Planning Guidelines, SEPP 55 – Remediation of Land*.
- Department of Environment and Conservation NSW (DEC) (2007) *Guidelines for the Assessment and Management of Groundwater Contamination*.
- NSW EPA (2022) *Contaminated Land Guidelines: Sampling Design part 1 – application*.
- United State Environment Protection Agency (USEPA) (2006) Guidance on Systematic Planning Using the Data Quality Objectives Process, ref: EPA QA/G-4.
- Western Australian (WA) Department of Health (DOH) (2020) Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia (DOH 2020).
- NSW EPA (2021) Position Statement – WA Guidelines for asbestos contaminated sites.

2 Site Condition and Surrounding Environment

The majority of information provided in the following sections was obtained from Lotsearch Environmental Risk and Planning Report (Lotsearch, 2023) which was obtained for the Site. A copy of the Lotsearch (2023) report is attached as **Appendix B**.

2.1 Land Use and Layout

The Site comprises of a triangular shaped portion of land and fronts the Magpie Lane to the north, Guntawang Road to the west and farmland and vineyard to the east. At the time of the investigation the site was largely vacant apart from a shed and shipping container located on the eastern boundary, a partial constructed internal road and concrete annulus for a previous proposed roundabout. The land appears to be used for primary production purposes - grazing.

The site vegetation consists of short grass with scattered mature trees across the site. Several small dams associated with the primary production activities have been noted on site.

Recontouring of the hill slopes to reduce the scoring have been observed in the northern section of the site. Two ephemeral water courses run across the site following the contour lines from east to west.

A Geotechnical Engineer from EP Risk attended the Site on 10th to the 12th July 2023 to undertake a site walkover and visual inspection. General site features observed are summarised below:

- Shed and shipping container along the eastern boundary of the Site.
- Potential Septic Tank
- Partially constructed internal road.
- Concrete annulus for a previously proposed roundabout.
- Approximately six (6) main onsite dams.
- Majority of the Site consists of short grass vegetation with scattered mature trees.
- Multiple areas of the Site have undergone recontouring, with the contour lines/channels clearly visible on the historical aerials.

Photographs of the Site are attached as **Appendix B** and the general Site features are shown in **Figure 2**.

2.2 Surrounding Land Use

As of 5th October 2023, surrounding land uses comprised:

- North: Large cleared sites utilised for vineyards beyond zoned as RU4 - Primary Production Small Lots.
- South: Large cleared Sites utilised for general agricultural purposes beyond zoned as RU1 - Primary Production.
- East: Large cleared sites utilised for vineyards beyond zoned as RU4 - Primary Production Small Lots.
- West: Large cleared Sites utilised for general agricultural purposes beyond zoned as RU1 - Primary Production and RU4 – Primary Production Small Lots.

2.3 Environmental Setting

A summary of the information accessible through publicly available records is summarised in **Table 2** below.

Table 2 – Environmental Setting

Record	Findings
Topography and Hydrology	<p>The site topography slopes gently from east towards west with elevations of approximately 450m Australian Height Datum (AHD) along the eastern boundary and approximately 420-430 m AHD along the western boundary on Guntawang Road. The Site drainage is considered to consist of surface runoff migrating across the Site following surface contours as overland flow towards the western portion of the Site.</p> <p>The Pig and Whistle Creek is located approximately 32 m west of the Site. The Cudgegong River is located approximately 1.4 km to the West of the Site.</p> <p>A plan showing the topographical contours of the Site is provided within the Lotsearch (2023) Report in Appendix C</p>
Geology	<p>Based on the geological data sourced from the NSW Department of Industry, Resources and Energy (Lotsearch, 2023) the Site is underlain by Quaternary aged sediments (Qavt) comprising of fluvially deposited clay, silt, sand, and gravel. Permian aged sedimentary rock of Watermark Formation (Pmlw) comprising of siltstone, laystone, silty sandstone, thinly bedded siltstone, and sandstone. Ludlow aged sedimentary rock of Biraganbil Formation (Schb) comprising of quartz lithic, feldspar-lithic and quartz sandstone, siltstone, shale, and slate.</p>
Soil Landscapes	<p>Based on the soil landscapes data sourced from the NSW OEH (Lotsearch, 2023) the Site is located within the Sudosol soil order.</p> <p>Onsite soil landscapes have been identified to comprise of Mullion Creek (SI5504mu). The landscape is described as low undulating hills from 560 to 980m above sea level with slopes generally between 3-6% and sometimes up to 12%. Drainage channels are generally spaced from 200-500m, with some up to 150m apart. Some limitations of SI5504mu include low fertility, seasonal waterlogging, sodic subsoils on lower slopes, high erosion hazard, acidic surface soils, low permeability.</p>
Hydrogeology	<p>A search of the NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation undertaken by Lotsearch (2023) indicated there were no registered groundwater bores located on-site. However, eight (8) registered groundwater bores were located within 2 km of the Site. The authorised purpose of the bores was for water supply, irrigation and monitoring. The two water supply wells were all still functioning located 1.87km to the north east and 1.6km south east of the Site. The standing water levels in these functioning water supply wells ranged between 18.29 m below ground level (m BGL) to 24.00 m BGL, with salinity levels in the wells being at a good level. The other wells utilised for irrigation and monitoring were either removed, abandoned or in an unknown condition.</p> <p>Review of the Hydrogeology Map of Australia, Lotsearch (2023) identified Fractured or fissured, extensive aquifers of low to moderate productivity. Regional groundwater flow direction of the upper aquifer is expected to be to the west towards the Cudgegong River.</p>
Natural Occurring Asbestos Potential	<p>No reported naturally occurring asbestos potential has been identified within 1 km of the Site.</p>
Acid Sulfate Soils	<p>Based upon a review of the Mid-western Regional LEP (2012), the Site is not located within an area mapped as an acid sulfate soil risk area. A search of the Atlas of Australian ASS database completed by Lotsearch (2023) identifies the Site to be within a Class B category for acid sulfate soils. The Class B category is considered to have a extremely low probability of ASS occurrence (6-70% chance) of occurrence.</p>

Table 2 – Environmental Setting

Record	Findings
Dryland Salinity	With reference to the Dryland Salinity Data sourced from Lotsearch (2023), the Site is located within a high hazard or risk of dryland salinity potential.
Bushfire Prone Area	The site was not listed as bushfire prone land.
Ecology	<p>According to NSW OEH, the following ecological constraints can be noted:</p> <ul style="list-style-type: none"> Native vegetation is present at the Site consisting of Western Slopes Grassy Woodlands classed vegetation. No RAMSAR wetland existed on-site or within 1km of the Site. High, moderate, and low potential groundwater dependant ecosystems (vegetation) were identified on the Site. A moderate potential groundwater dependant ecosystem is located 32 m south west of the Site. Three (3) vulnerable and one (1) endangered species (federal conservation status) are located within 10 km of the Site.
Waste Management Facilities	No waste management facility was identified within 1 km of the Site.
National Liquid Fuel Facilities	No National Liquid Fuel Facilities were identified within 1 km of the Site.
Mining Subsidence	The Site is not located within a mining subsidence district.
Mining and Exploration Titles	<p>One (1) current Mining and Exploration Title exists within the boundary of the Site, identified for Group 1 minerals.</p> <p>A total of thirteen (13) Historical Mining and Exploration Titles exist within the boundaries of the Site, identified for petroleum, minerals and coal resources. The most recent end date for the titles was 21/05/2014 for NEO Resources Limited for mining of gold, arsenic and Antimony. The remaining end dates are noted between 1972 and 2013 on-site.</p> <p>A total of 10 Historical Mining and Exploration Titles offsite within the 2km of the Site, identified for minerals. The majority of the historical titles are to the east of the Site.</p>
Cattle Dips	No records of cattle dips were recorded at or within 1 km of the Site according to a search of the Department of Primary Industries Data Base and visual observations of the Site.
Former Gasworks	No former gasworks have been identified at or within 1 km of the Site.

2.4 Regulatory Searches

A summary of the regulatory searches performed by Lotsearch (2023) are summarised in **Table 3**.

Table 3 – Regulatory Searches

Search	Results
Contaminated Land	<p>The Site was not listed as contaminated under the Contaminated Land Management Act (CLM Act) 1997.</p> <p>As of 05.10.23 the Site was not listed on the NSW Environment Protection Authority (NSW EPA) Record for Contaminated Sites notified to the NSW EPA in accordance with the CLM Act 1997.</p> <p>No sites notified to the NSW EPA were located within 1 km of the Site.</p>
Licensed Activities under the Under the Protection of the Environment Operations Act 1997	No Licensed activities under the POEO Act at or within 1 km of the Site.
Former Licensed Activities under the POEO Act 1997, now revoked or surrendered	<p>Former licensed activities under the POEO Act, now surrendered identified at or within 1 km of the Site are:</p> <p>There were three (3) records of Former Licensed Activities under the POEO Act 1997, now revoked or surrendered, located within the Site boundary: Luhrmann Environment Management Pty Ltd, for Waterways Throughout NSW, surrendered for the application of Herbicides, Surrendered 06/09/2000; Robert Orchard for Various Waterways throughout New South Wales – Sydney NSW 2000, Surrendered 07/09/2000 for Other Activities / Non Scheduled Activity - Application of Herbicides; Sydney Weed and Pest Management Pty Ltd for Waterways throughout NSW – Prospect NSW 2148. Surrendered 09/11/2000 for Other Activities / Non Scheduled Activity - Application of Herbicides. Acciona Infrastructure Projects Australia Pty Ltd for M5 and M2 Motorways.</p> <p>For further information regarding Former Licensed Activities under the POEO Act 1997 within a 1km radius of the site refer to Lot Search (2023).</p> <p>The former licensed activities are considered to present a low risk of contamination based upon the nature of the activities.</p>
Delicensed Activities Still Regulated by the NSW EPA	No delicensed activities still regulated by the NSW EPA were identified at or within 1 km of the Site.
Coastal Protection Act 1979	The land was not subject to the operation of State Environmental Planning Policy (SEPP) 14 or SEPP 71 of the Coastal Protection Act 1979.
NSW EPA per- and poly-fluoroalkyl substances (PFAS) Investigation and Management Programs	No sites under the NSW PFAS Investigation Program, Defence PFAS Investigation Program, Defence PFAS Management Program or Airservices Australian National PFAS Management Program were identified at or within 1 km of the Site.
Defence 3 Year Regional Contamination Investigation Program	No sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program were identified within 1 km of the Site.
Heritage	No Environmental Planning Instrument ('EPI') heritage items were identified within the boundaries of the Site. Four (4) EPI heritage items were identified within 1km of the site which were not considered to pose a risk to the site or impacted by potential contamination at the site.

3 Site History

The Site history sources utilised during the review included:

- Historical aerial photography.
- Historical business directories.
- Historical title search information.

3.1 Review of Historical Aerial Photos

Aerial photographs from 1955, 1964, 1970, 1980, 1988, 2009, 2015, 2020 and 2023 were reviewed to identify past land uses of the Site and surroundings. **Table 4** provides a summary of the review.

Table 4 – Historical Aerial Photograph Review	
Year	Description
1955	<p>Site: The Site is predominantly cleared of vegetation with a few mature trees scattered across the Site. The western boundary of the Site has a dirt road that runs parallel to the boundary. Some patches of soil disturbance can be seen in various spots across the Site, with one significant disturbance area in the southern portion of the Site connecting to an onsite dam.</p> <p>Surroundings: The Site is surrounded by mostly cleared agricultural and rural residential land consisting of grasses and scattered mature trees. A creek line runs parallel to the western Site boundary. A dirt road runs parallel to the northern boundary of the Site.</p>
1964	<p>Site: recontouring of the land is visible in multiple areas of the Site, particularly in the southern and northern portions of the Site. There appears to be a sealed road that runs along the western boundary of the Site.</p> <p>Surroundings: A sealed road runs parallel to the northern boundary of the Site.</p>
1970	<p>Site: No significant changes have occurred.</p> <p>Surroundings: No significant changes have occurred.</p>
1980	<p>Site: Significant recontouring of the Site has occurred and the construction of multiple dams across the Site. A structure has been constructed in the central eastern portion of the Site adjacent to the eastern Site boundary.</p> <p>Surroundings: Significant clearing and reforming of the land has occurred to the north, east and south west of the Site.</p>
1988	<p>Site: No significant changes have occurred.</p> <p>Surroundings: No significant changes have occurred.</p>
2009	<p>Site: No significant changes have occurred.</p> <p>Surroundings: construction of multiple vineyards has occurred to the north, east and west of the Site.</p>
2015	<p>Site: Some earthworks and construction of a concrete structure has occurred in the north western portion of the Site.</p> <p>Surroundings: No significant changes have occurred.</p>
2020	<p>Site: No significant changes have occurred.</p> <p>Surroundings: No significant changes have occurred.</p>
2023	<p>Site: No significant changes have occurred.</p> <p>Surroundings: No significant changes have occurred.</p>

The aerial photographs reviewed are provided in the Lotsearch (2023) report provided as **Appendix C**.

3.2 Business Directory Search

No business activities were recorded at or within 1km of the Site. No records of garages or dry cleaners were recorded onsite or matched to the area or roads.

3.3 Historical Title Search

The historical title search completed by Lotsearch (2023) indicated that the land titles were created in 1923. Notable owners include farmers, graziers, solicitor, station manager, accountants and the current owners G H Mudgee Pty Limited. The historical title search completed by Lotsearch (2023) is attached as **Appendix D**.

3.4 Summary of Site History

Based on the review of the historical information, the Site was formerly used as cleared farmland. The Site operated as grazing land prior to 1971. From 1971 to 1999 when it was owned by an accountant and station manager the Site was mainly utilised for rural living. The surrounding land use comprised rural / agricultural and viticultural land use.

4 Conceptual Site Model

A refined conceptual site model (CSM) has been developed based upon the information provided in previous sections of this report.

Contaminating activities based on the Site inspection and review of historical records, the following activities have occurred at the Site which may have resulted in the potential for contamination. These activities are summarised as follows:

- Clearing of land with potential use of herbicides and pesticides.
- Rural agricultural land use – uncontrolled fill.
- Potential operation of the Septic Tank and Transpiration Area.

4.1 Affected Media

The potential affected media at the Site are considered to be soil.

4.2 Human and Ecological Receptors

Sensitive receptors identified at and near the Site were considered to be:

- Future residential users at the Site (ASC NEPM 2013 HIL A and HSL A).
- Future construction and sub-surface maintenance workers at the Site (ASC NEPM 2013 HIL D and HSL D – commercial/industrial; CRC CARE 2011 Direct contact and intrusive maintenance workers HSLs and Vapour Intrusion HSLs for Intrusive Maintenance Workers (Shallow Trench)).
- Terrestrial fauna and flora at the Site and on adjoining land (ASC NEPM EIL and ESLs).
- Ecosystems dependant on the downgradient Creeks and Rivers.

4.3 Potential and Complete Exposure Pathways

An analysis of the potential exposure pathways between the COPC and the identified human and ecological receptors are presented in **Table 5**.

Overall, based on this assessment and the preliminary conceptual site model there are some potentially complete exposure pathways.

Table 5 – Source-Pathway-Receptor Linkages							
Sources				Pathways	Receptors	Linkages	Summary of Findings and Comments
Primary	Secondary	Contaminants	Affected Media	Exposure Pathways			
Clearing of land and agricultural Use	Potential use of herbicides and pesticides	OCP, OPP and glyphosate.	Soil	<u>Human Health</u> <ul style="list-style-type: none"> • Dermal contact • Incidental ingestion 	<ul style="list-style-type: none"> • Future construction and sub-surface maintenance workers. • Future residential/recreational users. 	Potentially complete.	Analytical testing of the soil at the Site is required to assess if this pathway is complete.
				<u>Ecological</u> <ul style="list-style-type: none"> • Uptake by flora and fauna 	<ul style="list-style-type: none"> • Terrestrial fauna and flora at the Site and on adjoining land. • Ecosystems dependant on the downgradient Creeks and Rivers 		
Rural agricultural land use	Use of machinery and storage of equipment and uncontrolled filling	TRH, BTEX, PAH, heavy metals and asbestos.	Soil	<u>Human Health</u> <ul style="list-style-type: none"> • Dermal contact • Incidental ingestion 	<ul style="list-style-type: none"> • Future construction and sub-surface maintenance workers. • Future residential/recreational users. 	Potentially complete.	Analytical testing of the soil at the Site is required to assess if this pathway is complete.
				<u>Ecological:</u> <ul style="list-style-type: none"> • Uptake by flora and fauna 	<ul style="list-style-type: none"> • Terrestrial fauna and flora at the Site and on adjoining land. • Ecosystems dependant on the downgradient Creeks and Rivers 		
Potential presence of Septic Tanks and Transpiration Area	Leaching into soil, sediment, surface water and groundwater	Faecal coliforms and E. Coli	Soil	<u>Human Health</u> <ul style="list-style-type: none"> • Dermal contact • Incidental ingestion 	<ul style="list-style-type: none"> • Future construction and sub-surface maintenance workers. • Future residential/recreational users. 	Potentially complete.	Inspection of the existing structure to confirm the presence of a septic tank is required. If a tank is present, analytical testing of the soil at the Site is required to assess if this pathway is complete.

5 Conclusion and Recommendations

EP Risk Management Pty Ltd (EP Risk) was engaged by CAM Engineering and Construction Pty Ltd (CAM) to undertake a Preliminary Site Investigation for a property located at 313 Magpie Lane, Galambine, New South Wales (NSW) (the Site). It is understood the Site is proposed to be redeveloped in to two zones consisting of short-term accommodation in the north-western portion of the Site and long-term accommodation for the rest of the Site. The PSI is required to support the Development Application for the proposed development.

The PSI was required to assess whether any contaminating activities are likely to have occurred at the Site which may present a human health or ecological risk under the proposed land use.

Potentially contaminating activities identified to have been undertaken at the Site include clearing of land with potential use of herbicides and pesticides, rural agricultural land use, uncontrolled filling and potential presence of a septic tank onsite.

During the Site walkover the main features identified at the Site consisted of:

- Shed and shipping container along the eastern boundary of the Site.
- Partially constructed internal road.
- Concrete annulus for a previously proposed roundabout.
- Approximately six (6) main onsite dams.
- Majority of the Site consists of short grass vegetation with scattered mature trees.
- Multiple areas of the Site have undergone recontouring, with the contour lines/channels clearly visible on the historical aerials.

Based on the review of the historical information, the Site was formerly used as cleared farmland. The Site operated as grazing land prior to 1971. From 1971 to 1999 when it was owned by an accountant and station manager the Site was mainly utilised for rural living. The surrounding land use comprised rural / agricultural and viticultural land use.

Overall, based on this assessment and the conceptual site model for the proposed development there are potentially complete source-receptor pathways. Therefore, further soil sampling is recommended in order to assess the potentially complete pathways. Currently the Site is considered to pose a low risk of contamination to the proposed future land users.

While contamination at a level warranting management or remediation was not identified from the initial inspections of the Site, the following is recommended to meet industry best practice during development activities:

- Additional soil sampling should be conducted to assess the potentially complete source-receptor pathways in the conceptual Site model.
- High potential salinity soils were identified onsite as part of the desktop review. Salinity management should be included as part of the construction environmental management plan for the Site.
- Anthropogenic material from the demolition of the existing shed in the central eastern portion of the Site should be removed from the Site prior to any vegetation clearance or earthworks activities.
- An unexpected finds protocol should be implemented during redevelopment to address any unidentified contamination that may be encountered during the proposed redevelopment works.

Figures



Preliminary Site Investigation
313 Magpie Lane, Galambine, NSW 2850

Job No: EP3386
Date: 15/8/23
Drawing Ref: Fig 1
Version No: v1

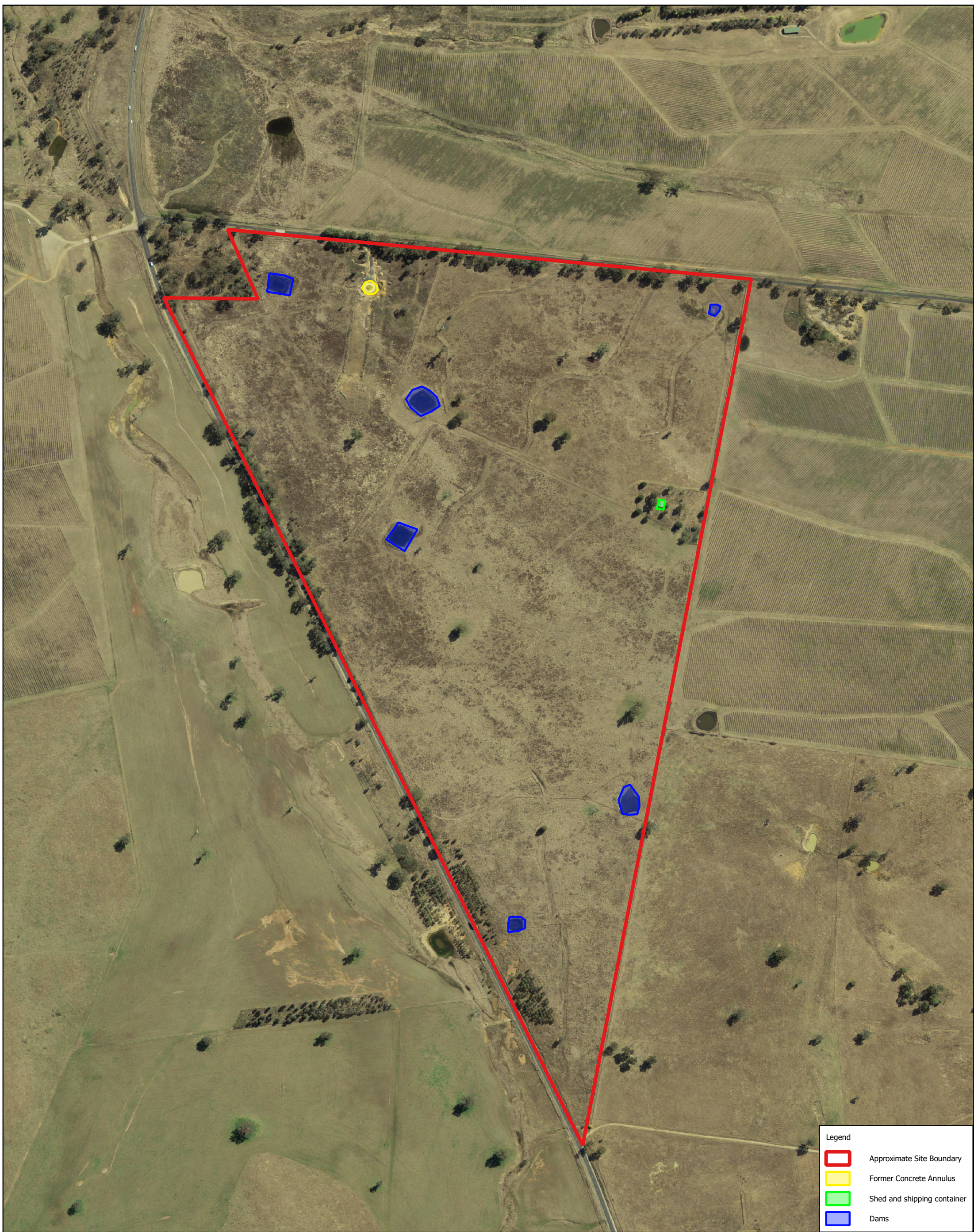


0 90 180 270 m
Approximate Scale Only

Coordinate System: WGS 84
Drawn by: LK Checked by: NM
Scale of regional map not shown
Source: Near Map / Six Maps

Figure 1 - Site Location





Legend

- Approximate Site Boundary
- Former Concrete Annulus
- Shed and shipping container
- Dams

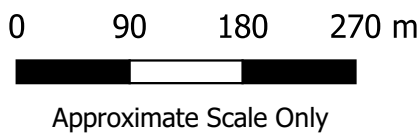


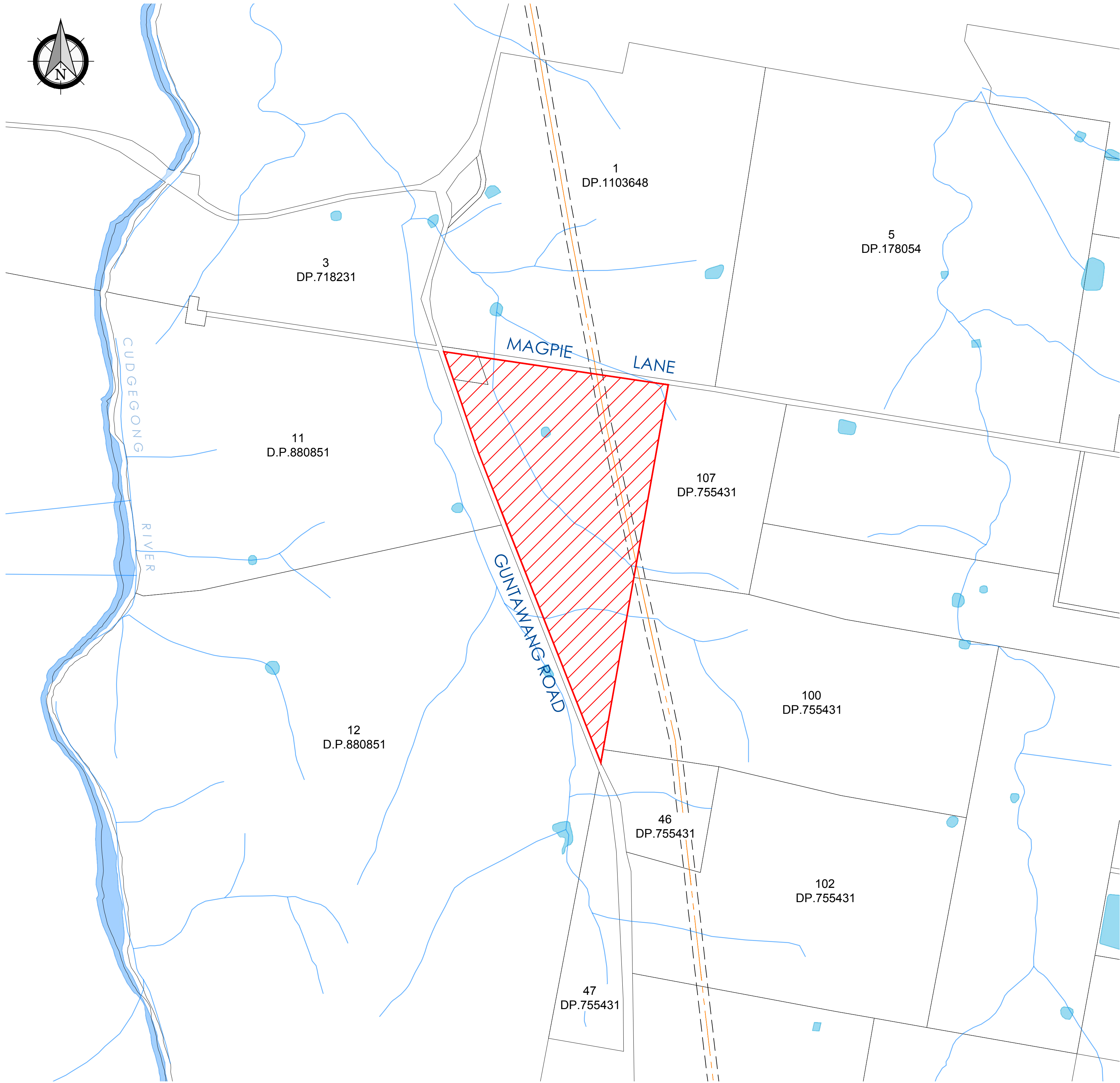
Figure 2 - Site Features

Appendix A

PROPOSED DEVELOPMENT CONCEPT PLANS

PROPOSED DEVELOPMENT OF LOT 1 D.P.174385 & LOT 1 D.P.1003242

313 MAGPIE LANE, GALAMBINE



INDEX OF DRAWINGS

SHEET No.	TITLE NAME
1	COVER SHEET, LOCATION DIAGRAM & DRAWING INDEX
2	OVERALL DEVELOPMENT PLAN
3	OVERALL CONSTRAINTS PLAN
4	DETAIL PLAN OF SHORT TERM SITES
5	DETAIL PLAN OF LONG TERM SITES - SHEET 1
6	DETAIL PLAN OF LONG TERM SITES - SHEET 2
7	DETAIL PLAN OF LONG TERM SITES - SHEET 3
8	DETAIL PLAN OF LONG TERM SITES - SHEET 4
9	SITE PLAN
10	WATERCOURSE PLAN
11	ZONE PLAN
12	NATURAL TOPOLOGY PLAN
13	SLOPE ANALYSIS PLAN
14	BUSHFIRE ASSET PROTECTION PLAN
15	SEWER RISING MAIN CONNECTION
16	SEWER DEVELOPMENT DETAIL PLAN
17	WATER DEVELOPMENT DETAIL PLAN

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDINGS	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 250 500m SCALE: 1:10,000 (FULL)	SHEET 1 OF 17

working beyond expectations

drawing title:
LOCATION DIAGRAM
OF LOT 1 D.P.174385 &
LOT 1 D.P.1003242

location: 313 Magpie Lane,
Galambine

council: Mid Western Regional

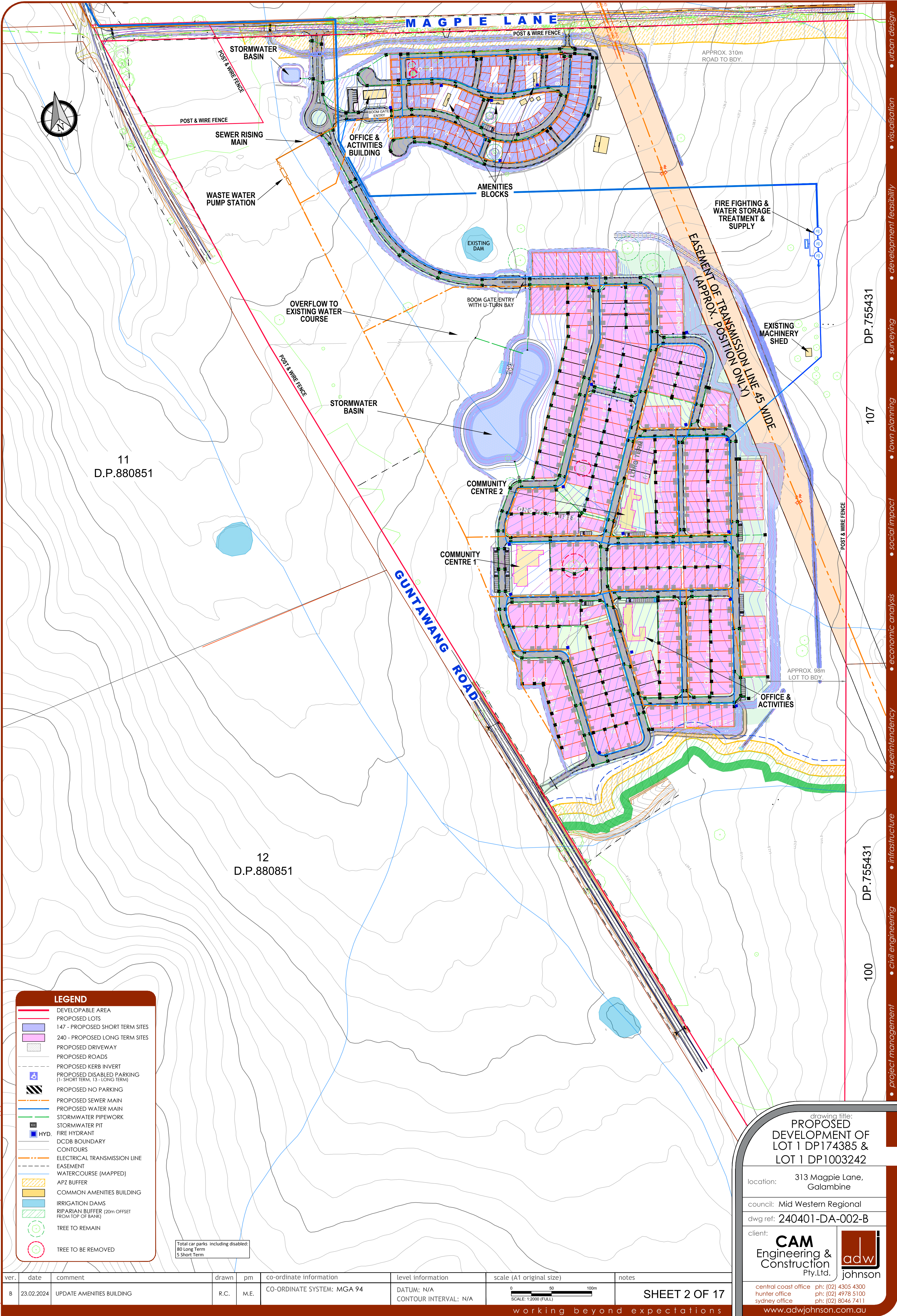
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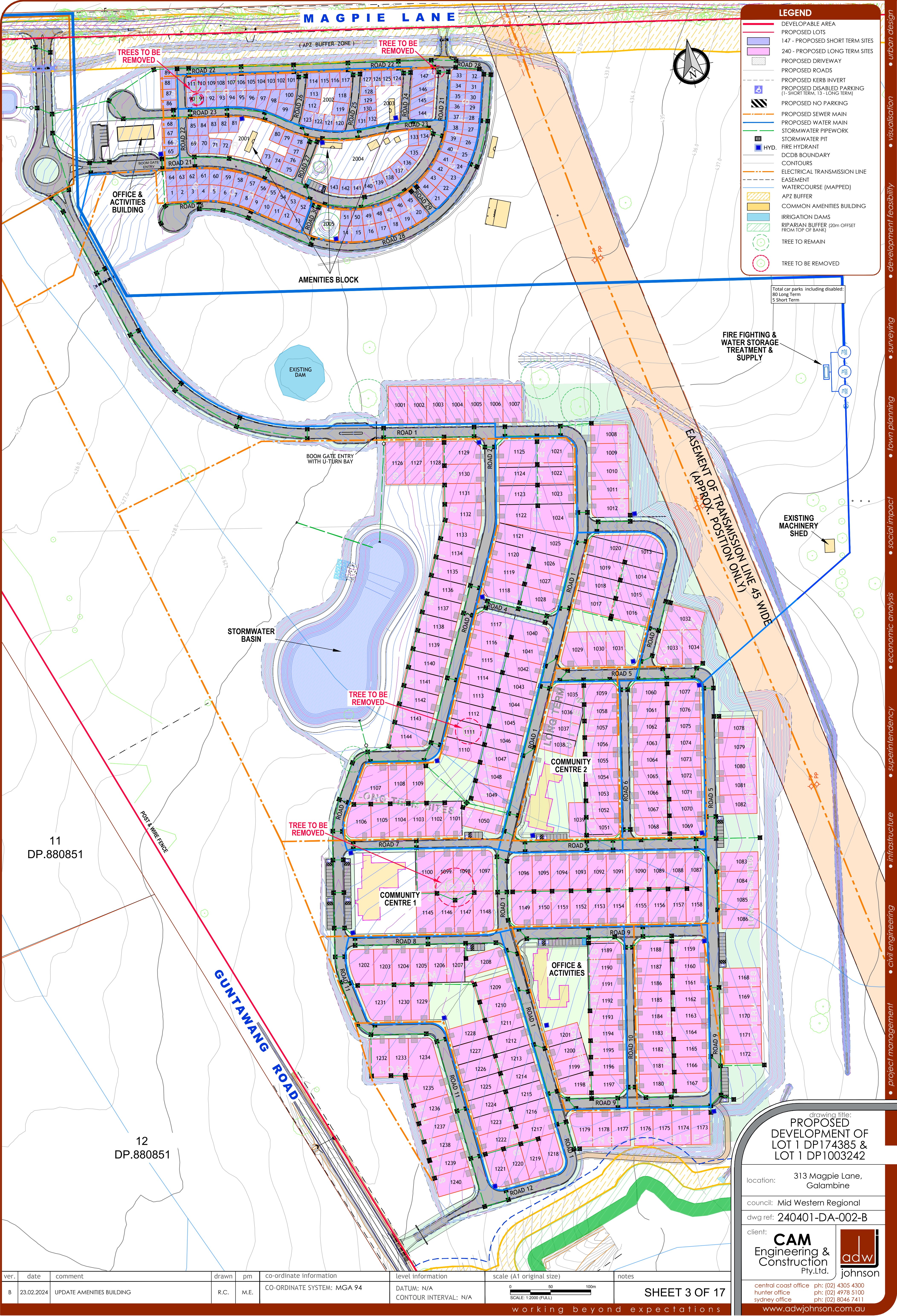
client:
CAM
Engineering &
Construction
Pty.Ltd.



central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100
sydney office ph: (02) 8046 7411

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LEGEND

- DEVELOPABLE AREA
- PROPOSED LOTS
- 147 - PROPOSED SHORT TERM SITES
- 240 - PROPOSED LONG TERM SITES
- PROPOSED DRIVEWAY
- PROPOSED ROADS
- PROPOSED KERB INVERT
- PROPOSED DISABLED PARKING (1 - SHORT TERM, 13 - LONG TERM)
- PROPOSED NO PARKING
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN
- STORMWATER PIPEWORK
- STORMWATER PIT
- HYD. FIRE HYDRANT
- DCDB BOUNDARY
- CONTOURS
- ELECTRICAL TRANSMISSION LINE
- EASEMENT
- WATERCOURSE (MAPPED)
- APZ BUFFER
- COMMON AMENITIES BUILDING
- IRRIGATION DAMS
- RIPARIAN BUFFER (20m OFFSET FROM TOP OF BANK)
- TREE TO REMAIN
- TREE TO BE REMOVED

Total car parks including disabled:
80 Long Term
5 Short Term

FIRE FIGHTING & WATER STORAGE TREATMENT & SUPPLY

EXISTING MACHINERY SHED

EASEMENT OF TRANSMISSION LINE 45' WIDE (APPROX. POSITION ONLY)

AMENITIES BLOCK

OFFICE & ACTIVITIES BUILDING

STORMWATER BASIN

COMMUNITY CENTRE 1

COMMUNITY CENTRE 2

OFFICE & ACTIVITIES

11
DP.880851

12
DP.880851

drawing title:
PROPOSED DEVELOPMENT OF LOT 1 DP174385 & LOT 1 DP1003242

location: 313 Magpie Lane, Galambine

council: Mid Western Regional

dwg ref: 240401-DA-002-B

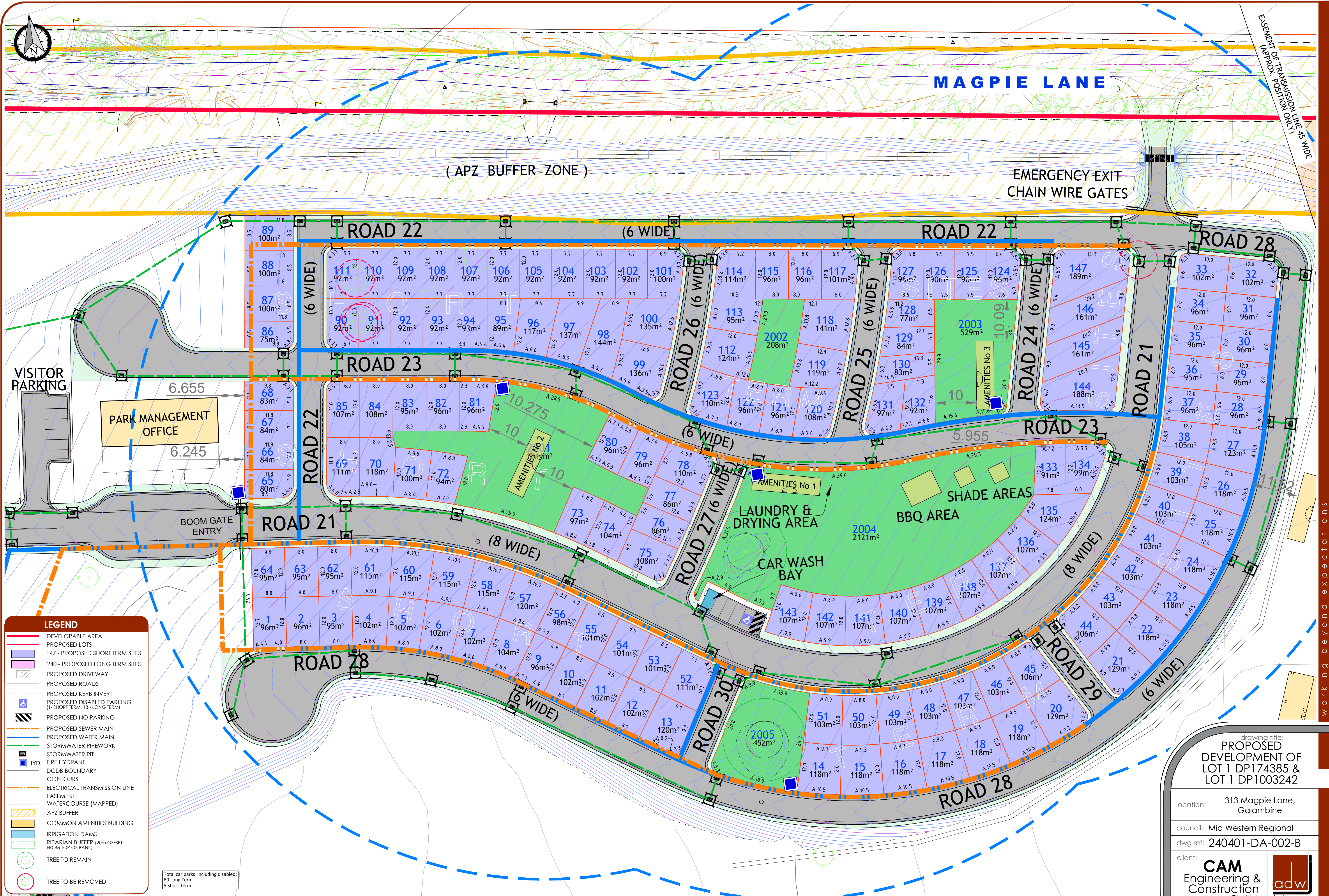
client: **CAM Engineering & Construction Pty.Ltd.**

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ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100m SCALE: 1:2000 (FULL)	SHEET 3 OF 17



drawing title:
**PROPOSED
DEVELOPMENT OF
LOT 1 DP174385 &
LOT 1 DP1003242**

location: 313 Magpie Lane,
Galambine

council: Mid Western Regional

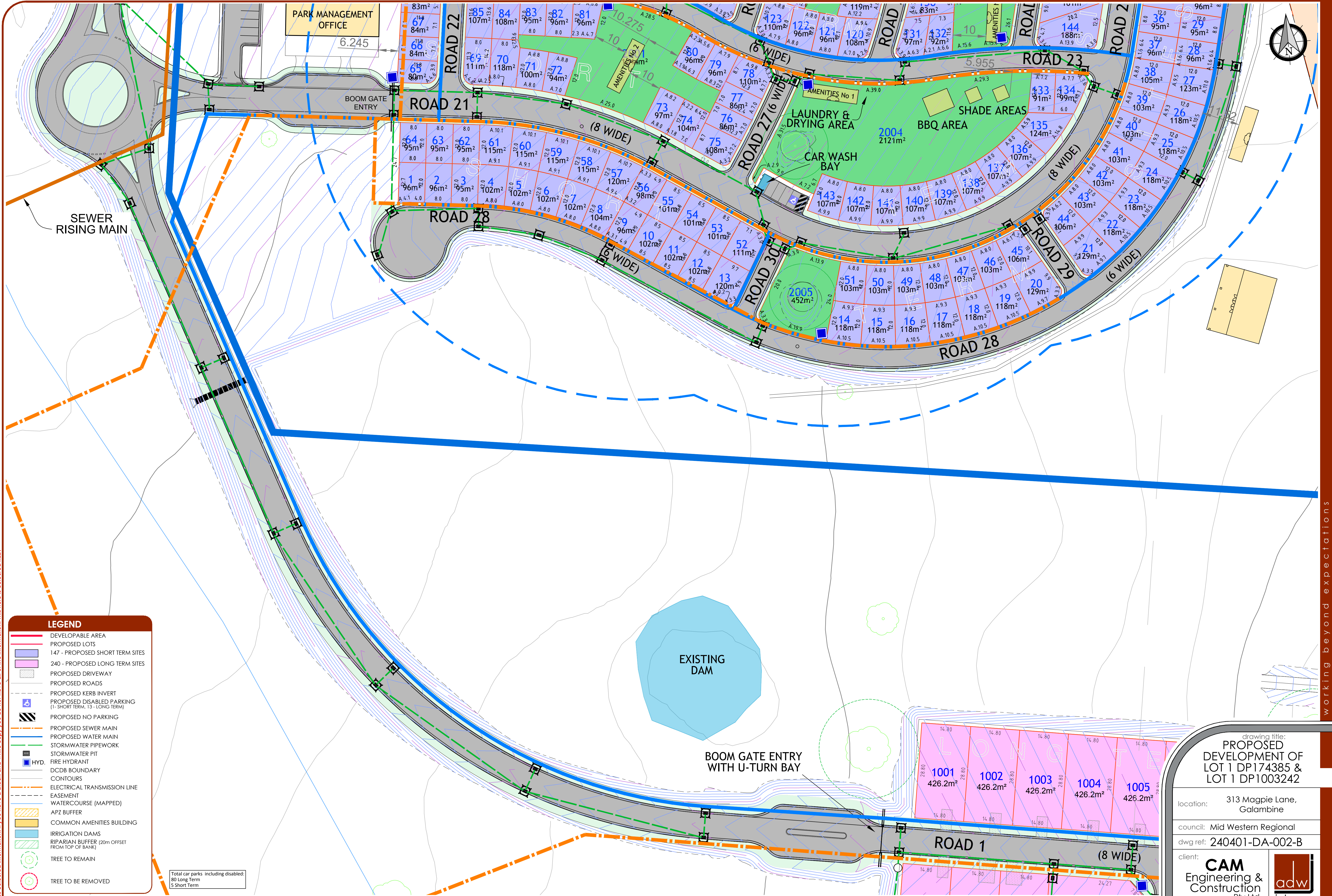
dwg ref: 240401-DA-002-B

client:
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ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDINGS	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 12.5 25.0m SCALE: 1:500 (FULL)	

drawing title:
PROPOSED DEVELOPMENT OF LOT 1 DP174385 & LOT 1 DP1003242

location: 313 Magpie Lane, Galambine

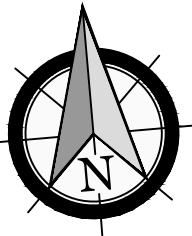
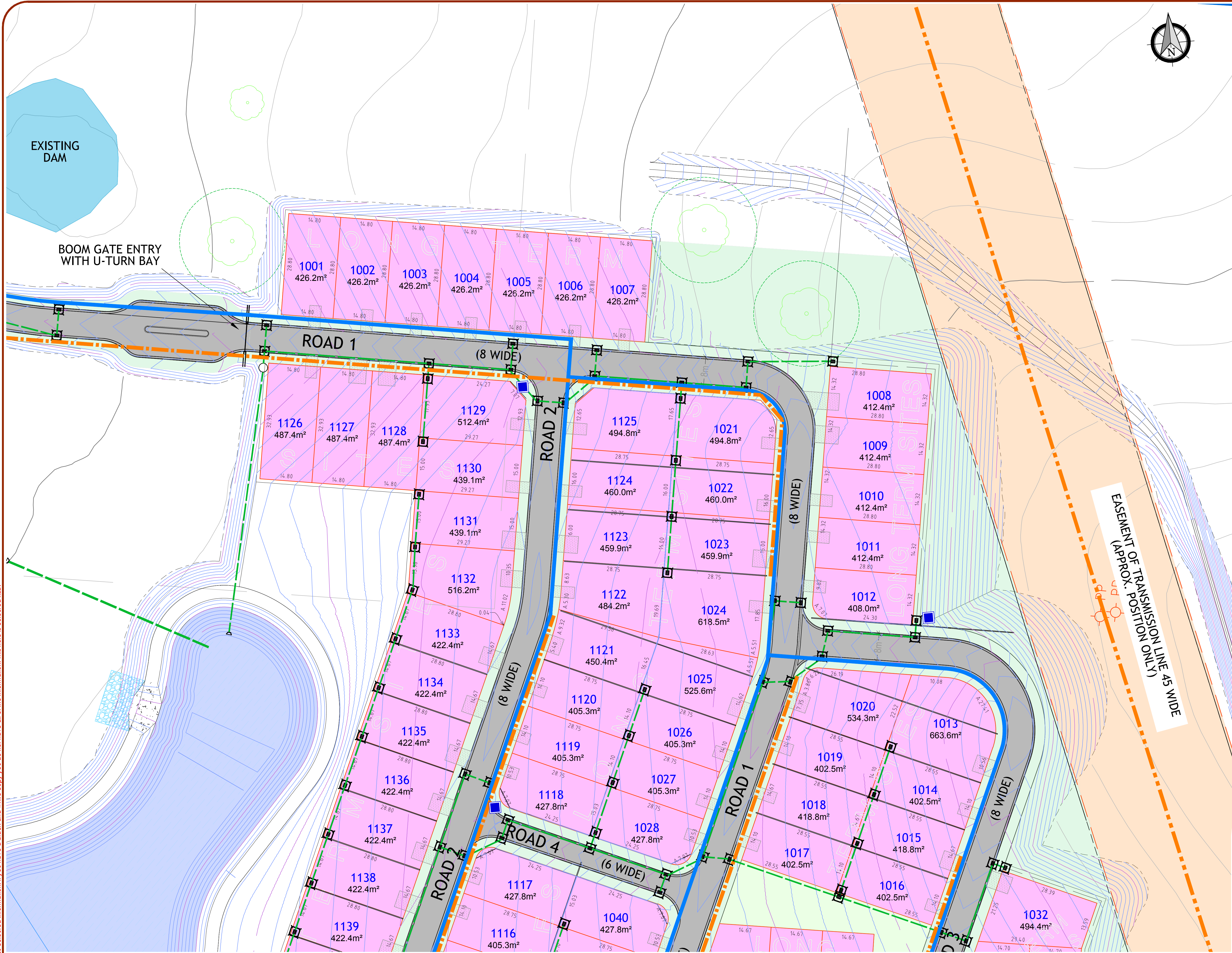
council: Mid Western Regional

dwg ref: 240401-DA-002-B

client: **CAM Engineering & Construction Pty.Ltd.**

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LEGEND

DEVELOPABLE AREA

PROPOSED LOTS

147 - PROPOSED SHORT TERM SITES

240 - PROPOSED LONG TERM SITES

PROPOSED DRIVEWAY

PROPOSED ROADS

PROPOSED KERB INVERT

PROPOSED DISABLED PARKING
(1- SHORT TERM, 13 - LONG TERM)

PROPOSED NO PARKING

PROPOSED SEWER MAIN

PROPOSED WATER MAIN

STORMWATER PIPEWORK

STORMWATER PIT

FIRE HYDRANT

DCDB BOUNDARY

CONTOURS

ELECTRICAL TRANSMISSION LINE

EASEMENT

WATERCOURSE (MAPPED)

APZ BUFFER

COMMON AMENITIES BUILDING

IRRIGATION DAMS

RIPARIAN BUFFER (20m OFFSET
FROM TOP OF BANK)

TREE TO REMAIN

TREE TO BE REMOVED

Total car parks including disabled:
80 Long Term
5 Short Term

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDINGS	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 12.5 25.0m SCALE: 1:500 (FULL)	

• project management

• civil engineering

• infrastructure

• superintendency

• economic analysis

• social impact

• town planning

• surveying

• development feasibility

• visualisation

• urban design

drawing title:
PROPOSED
DEVELOPMENT OF
LOT 1 DP174385 &
LOT 1 DP1003242

location: 313 Magpie Lane,
Galambine

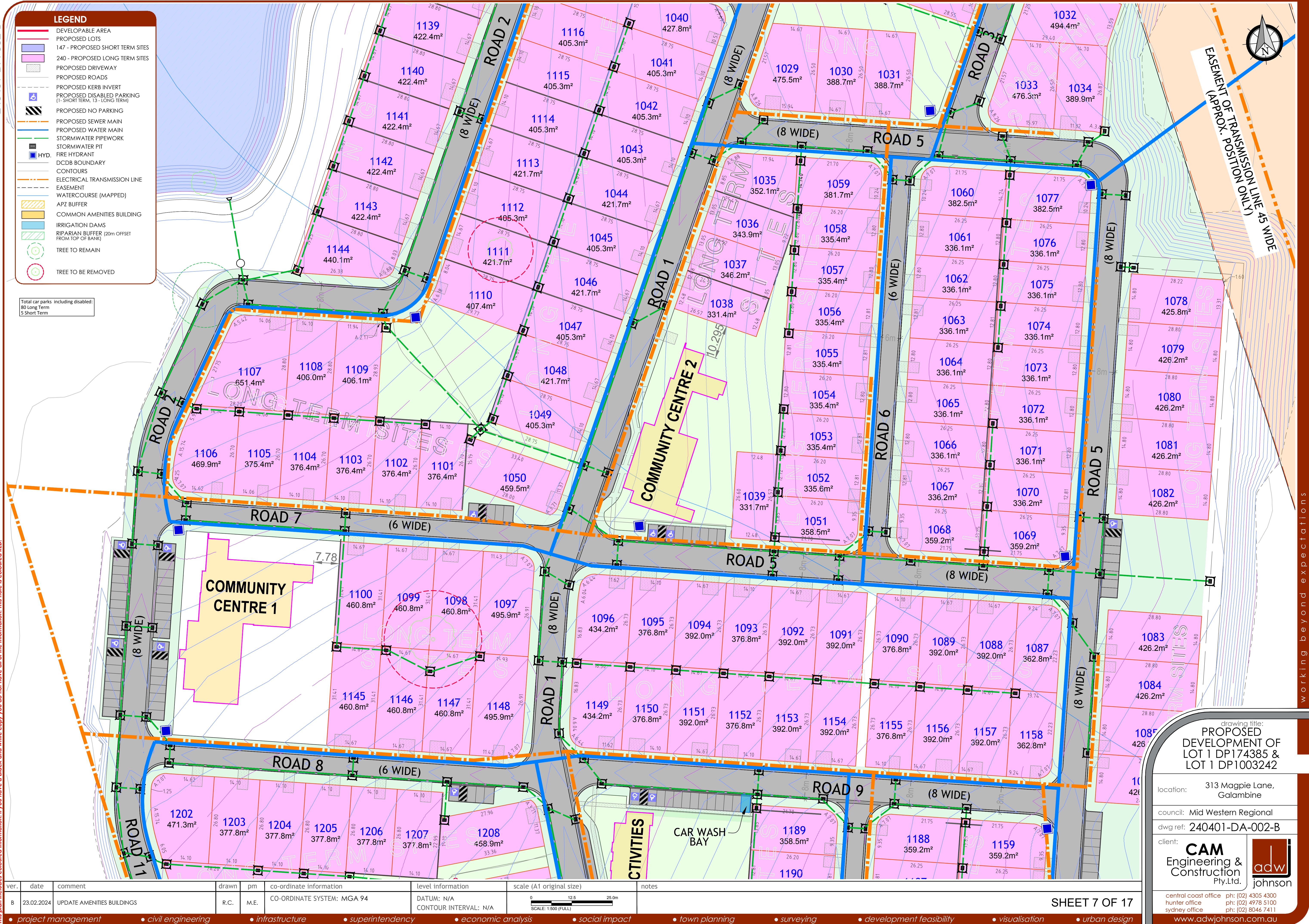
council: Mid Western Regional

dwg ref: 240401-DA-002-B

client:
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Engineering &
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Pty.Ltd.

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sydney office ph: (02) 8046 7411
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EXISTING
MACHINERY
SHED



ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDINGS	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 12.5 25.0m SCALE: 1:500 (FULL)	

• project management • civil engineering • infrastructure • superintendency • economic analysis • social impact • town planning • surveying • development feasibility • visualisation • urban design

drawing title:
**PROPOSED
DEVELOPMENT OF
LOT 1 DP174385 &
LOT 1 DP1003242**

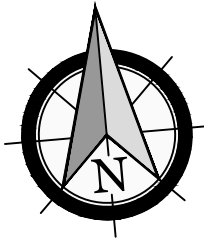
location: 313 Magpie Lane,
Galambine

council: Mid Western Regional

dwg ref: 240401-DA-002-B

client:
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LEGEND

DEVELOPABLE AREA

PROPOSED LOTS

147 - PROPOSED SHORT TERM SITES

240 - PROPOSED LONG TERM SITES

PROPOSED DRIVEWAY

PROPOSED ROADS

PROPOSED KERB INVERT

PROPOSED DISABLED PARKING
(1- SHORT TERM, 13- LONG TERM)

PROPOSED NO PARKING

PROPOSED SEWER MAIN

PROPOSED WATER MAIN

STORMWATER PIPEWORK

STORMWATER PIT

FIRE HYDRANT

DCDB BOUNDARY

CONTOURS

ELECTRICAL TRANSMISSION LINE

EASEMENT

WATERCOURSE (MAPPED)

APZ BUFFER

COMMON AMENITIES BUILDING

IRRIGATION DAMS

RIPARIAN BUFFER (20m OFFSET
FROM TOP OF BANK)

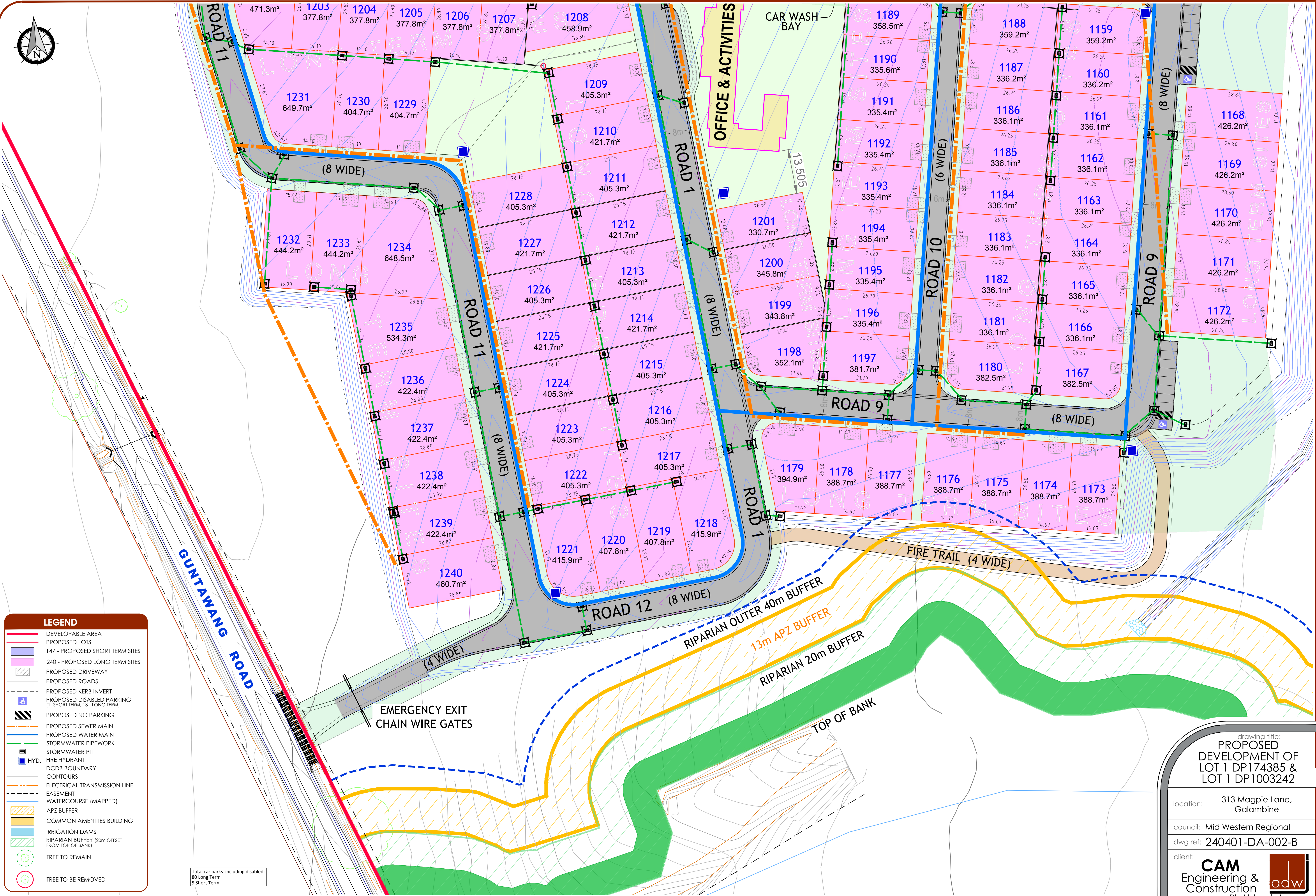
TREE TO REMAIN

TREE TO BE REMOVED

Total car parks including disabled:
80 Long Term
5 Short Term

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDINGS	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 12.5 25.0m SCALE: 1:500 (FULL)	

- project management
- civil engineering
- infrastructure
- superintendency
- economic analysis
- social impact
- town planning
- surveying
- development feasibility
- visualisation
- urban design



drawing title:
PROPOSED
DEVELOPMENT OF
LOT 1 DP174385 &
LOT 1 DP1003242

location:

313 Magpie Lane,
Galambine

council:

Mid Western Regional

dwg ref:

240401-DA-002-B

client:

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hunter office

ph: (02) 4978 5100

sydney office

ph: (02) 8046 7411

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LEGEND

DEVELOPABLE AREA

PROPOSED LOTS

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100 125m SCALE: 1:2500 (FULL)	SHEET 9 OF 17

drawing title:

SITE PLAN OF
LOT 1 DP174385 &
LOT 1 DP1003242

location:

313 Magpie Lane,
Galambine

council:

Mid Western Regional

dwg ref:

240401-DA-009-B

client:

CAM

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johnson

central coast office

ph: (02) 4305 4300

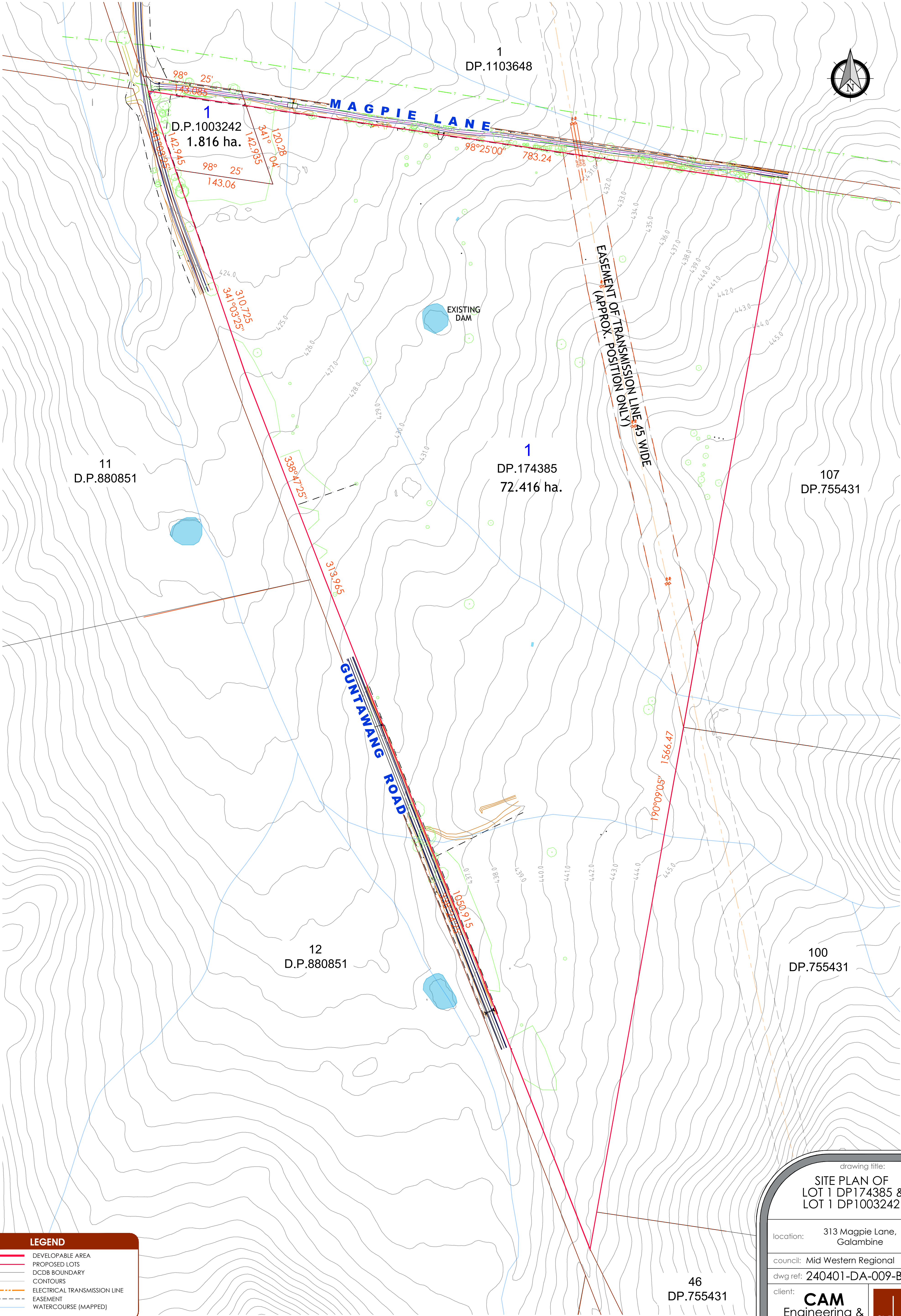
hunter office

ph: (02) 4978 5100

sydney office

ph: (02) 8046 7411

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LEGEND

1

DEVELOPABLE AREA

PROPOSED LOTS

DCDB BOUNDARY

CONTOURS

ELECTRICAL TRANSMISSION LINE

EASEMENT

WATERCOURSE (GIS MAPPED)

STRAHLER STREAM ORDER

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.EL	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100 125m SCALE: 1:2500 (FULL)	SHEET 10 OF 17

working beyond expectations

drawing title:

WATERCOURSE PLAN
OF LOT 1 DP174385 &
LOT 1 DP1003242

location:

313 Magpie Lane,
Galambine

council:

Mid Western Regional

dwg ref:

240401-DA-010-B

client:

CAM

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Construction
Pty.Ltd.

adw

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central coast office

ph: (02) 4305 4300

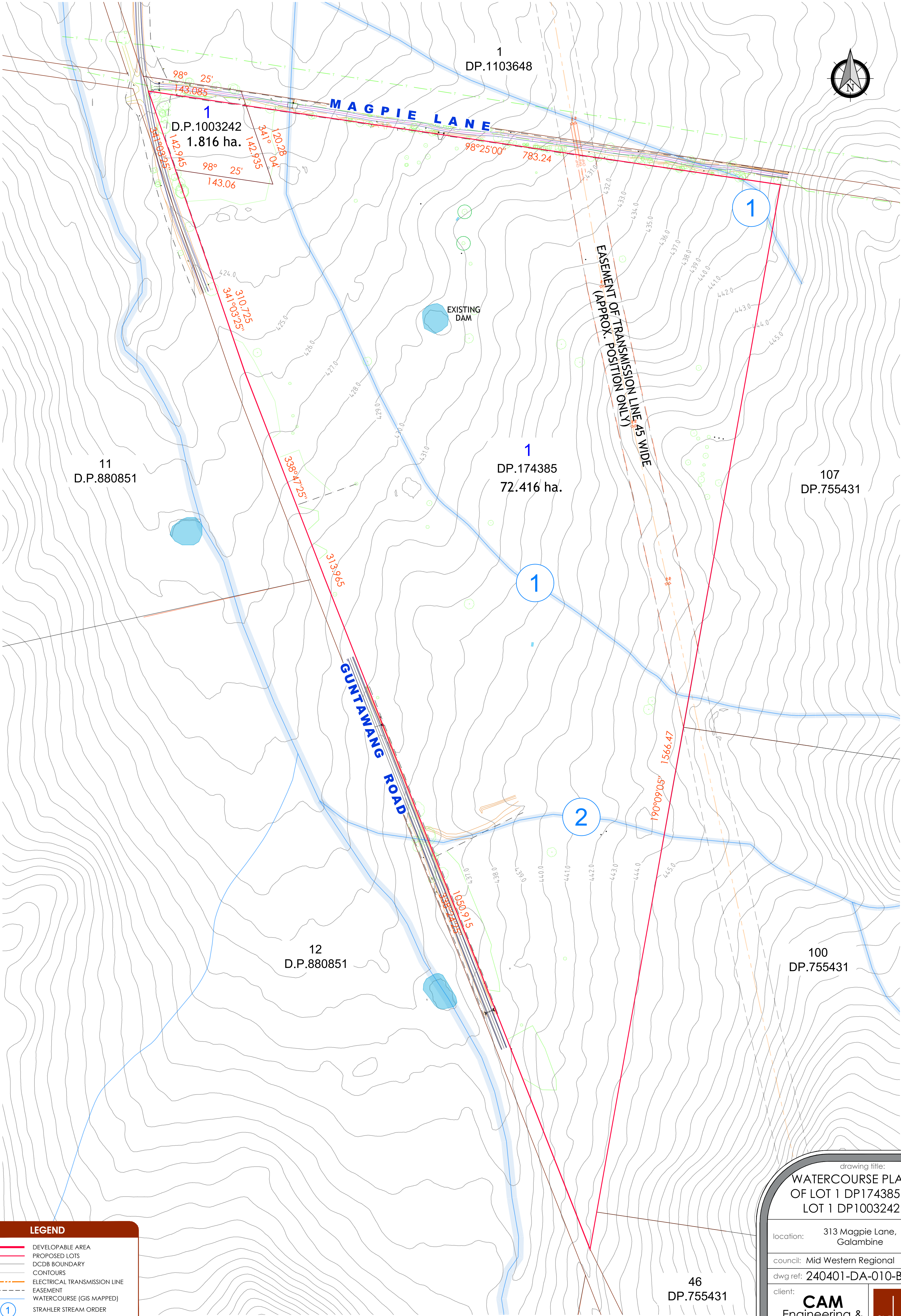
hunter office

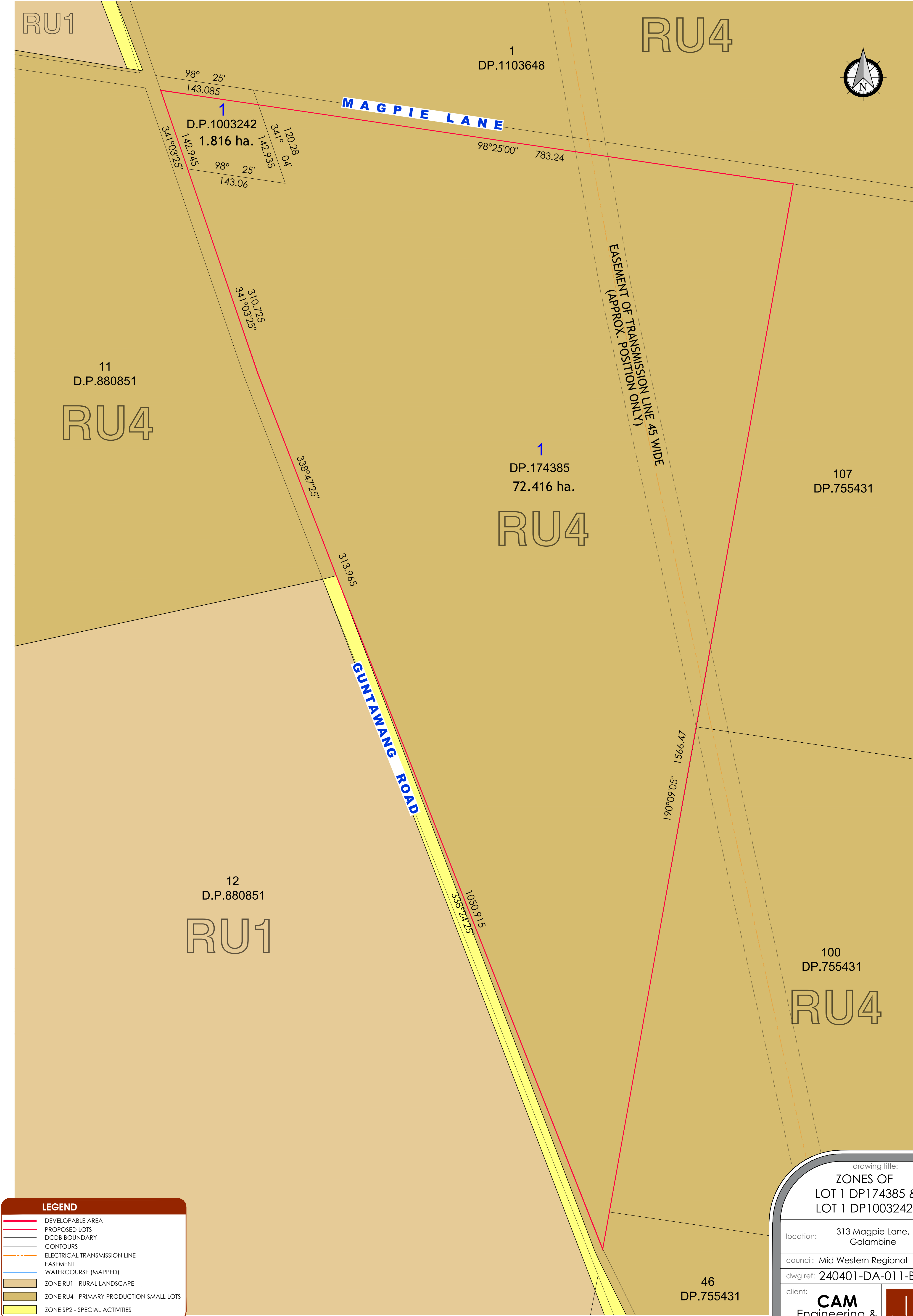
ph: (02) 4978 5100

sydney office

ph: (02) 8046 7411

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LEGEND

DEVELOPABLE AREA

PROPOSED LOTS

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100 125m SCALE: 1:2500 (FULL)	SHEET 11 OF 17

drawing title:
ZONES OF
LOT 1 DP174385 &
LOT 1 DP1003242

location: 313 Magpie Lane,
Galambine

council: Mid Western Regional

dwg ref: 240401-DA-011-B

client:

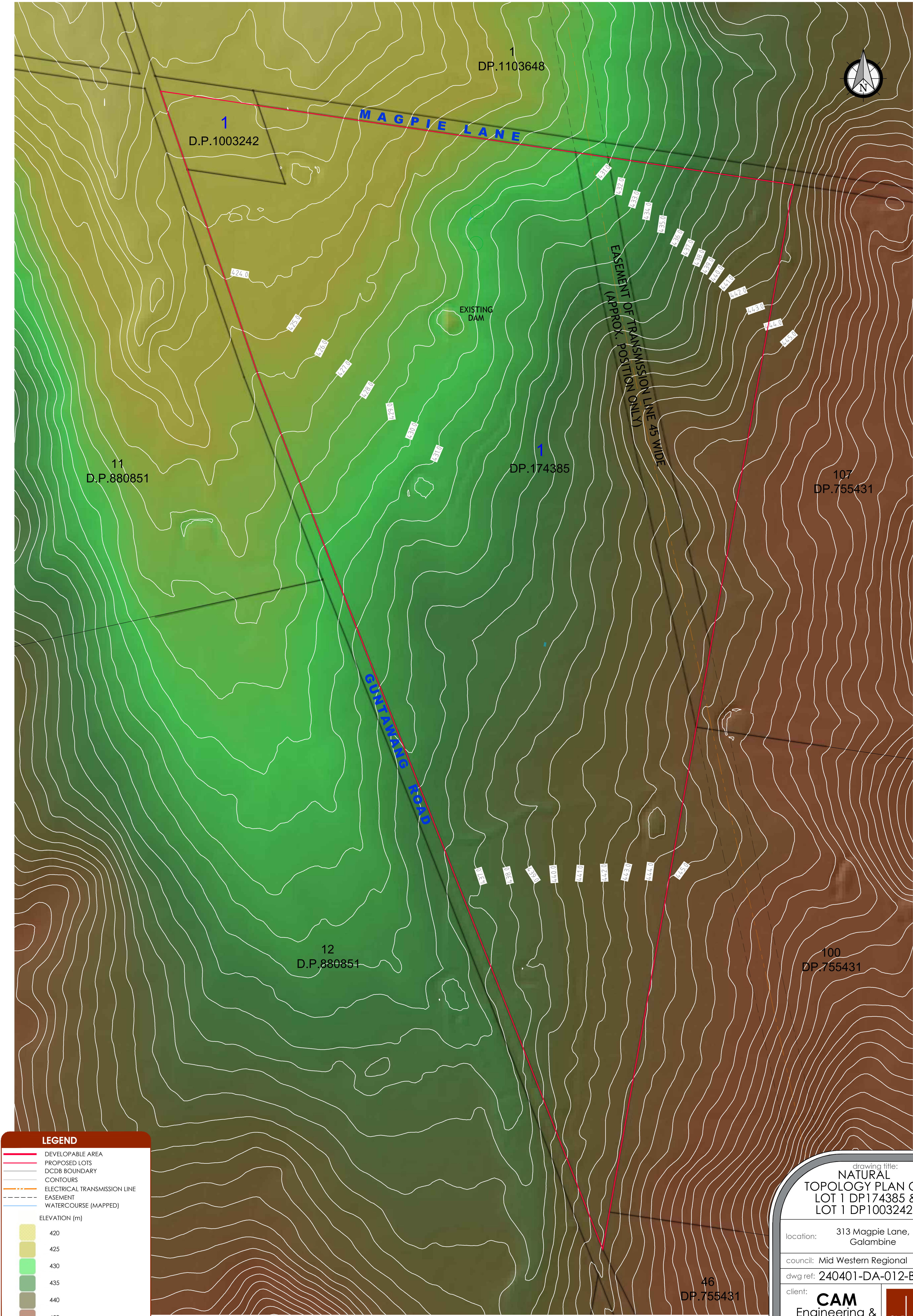
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hunter office ph: (02) 4978 5100
sydney office ph: (02) 8046 7411

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drawing title:
**NATURAL
TOPOLOGY PLAN OF
LOT 1 DP174385 &
LOT 1 DP1003242**

location: 313 Magpie Lane,
Galambine

council: Mid Western Regional

dwg ref: 240401-DA-012-B

client:
CAM
Engineering &
Construction
Pty.Ltd.

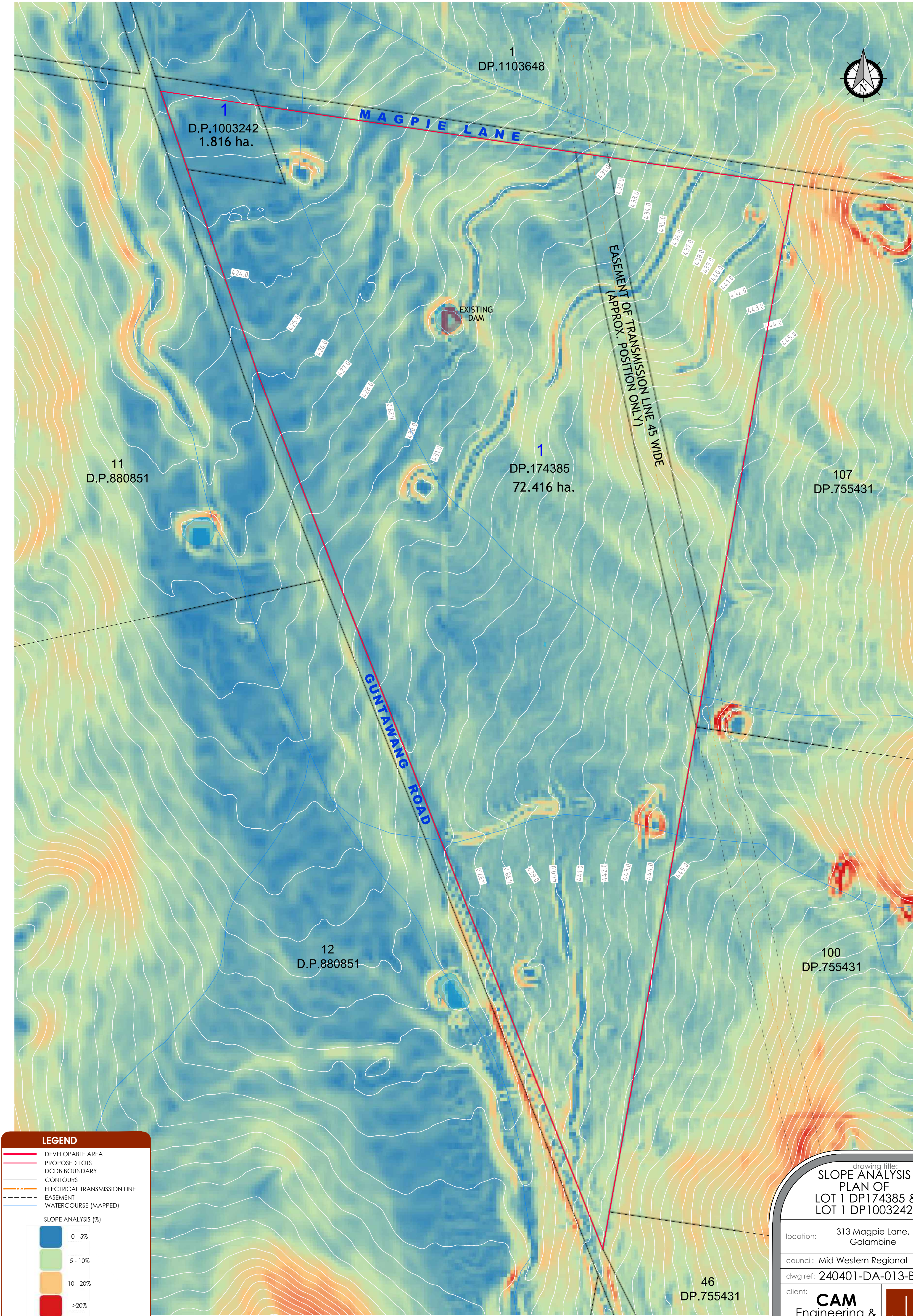


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ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100m SCALE: 1:2000 (FULL)	SHEET 12 OF 17

working beyond expectations



drawing title:
**SLOPE ANALYSIS
PLAN OF
LOT 1 DP174385 &
LOT 1 DP1003242**

location: 313 Magpie Lane,
Galambine
council: Mid Western Regional
dwg ref: 240401-DA-013-B

client:
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sydney office ph: (02) 8046 7411
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ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100 125m SCALE: 1:2500 (FULL)	SHEET 13 OF 17

working beyond expectations

LEGEND

DEVELOPABLE AREA

PROPOSED LOTS

DCDB BOUNDARY

CONTOURS

ELECTRICAL TRANSMISSION LINE

EASEMENT

WATERCOURSE (MAPPED)

BUSHFIRE ASSET PROTECTION ZONE

FIRE HYDRANT & REACH

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	R.C.	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100 125m SCALE: 1:2500 (FULL)	SHEET 14 OF 17

working beyond expectations

drawing title:
BUSHFIRE ASSET
PROTECTION PLAN OF
LOT 1 DP174385 &
LOT 1 DP1003242

location: 313 Magpie Lane,
Galambine

council: Mid Western Regional

dwg ref: 240401-DA-014-B

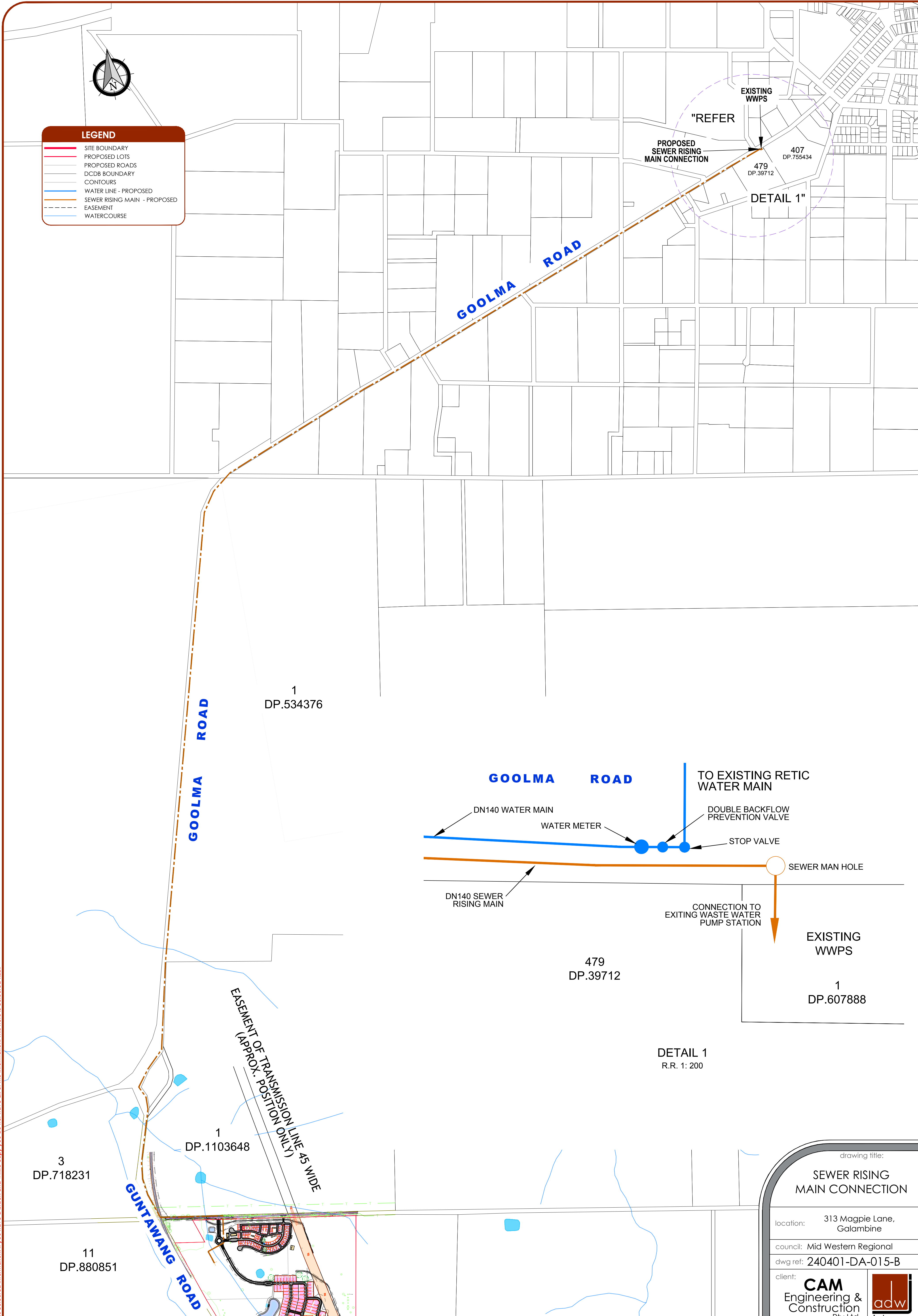
client:


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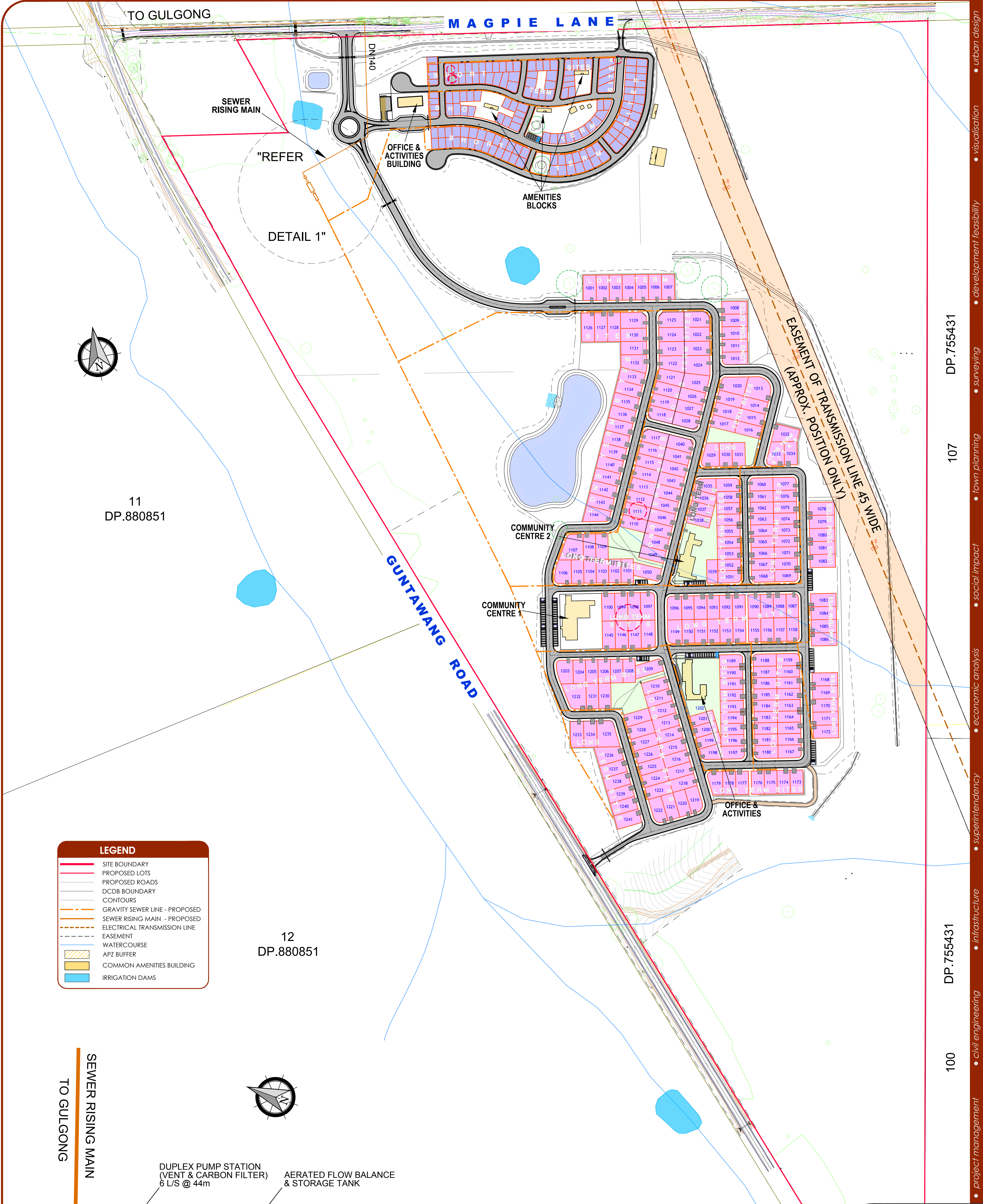


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ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	RC	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A		SHEET 15 OF 17



LEGEND

SITE BOUNDARY

PROPOSED LOTS

PROPOSED ROADS

DCDB BOUNDARY

CONTOURS

GRAVITY SEWER LINE - PROPOSED

SEWER RISING MAIN - PROPOSED

ELECTRICAL TRANSMISSION LINE

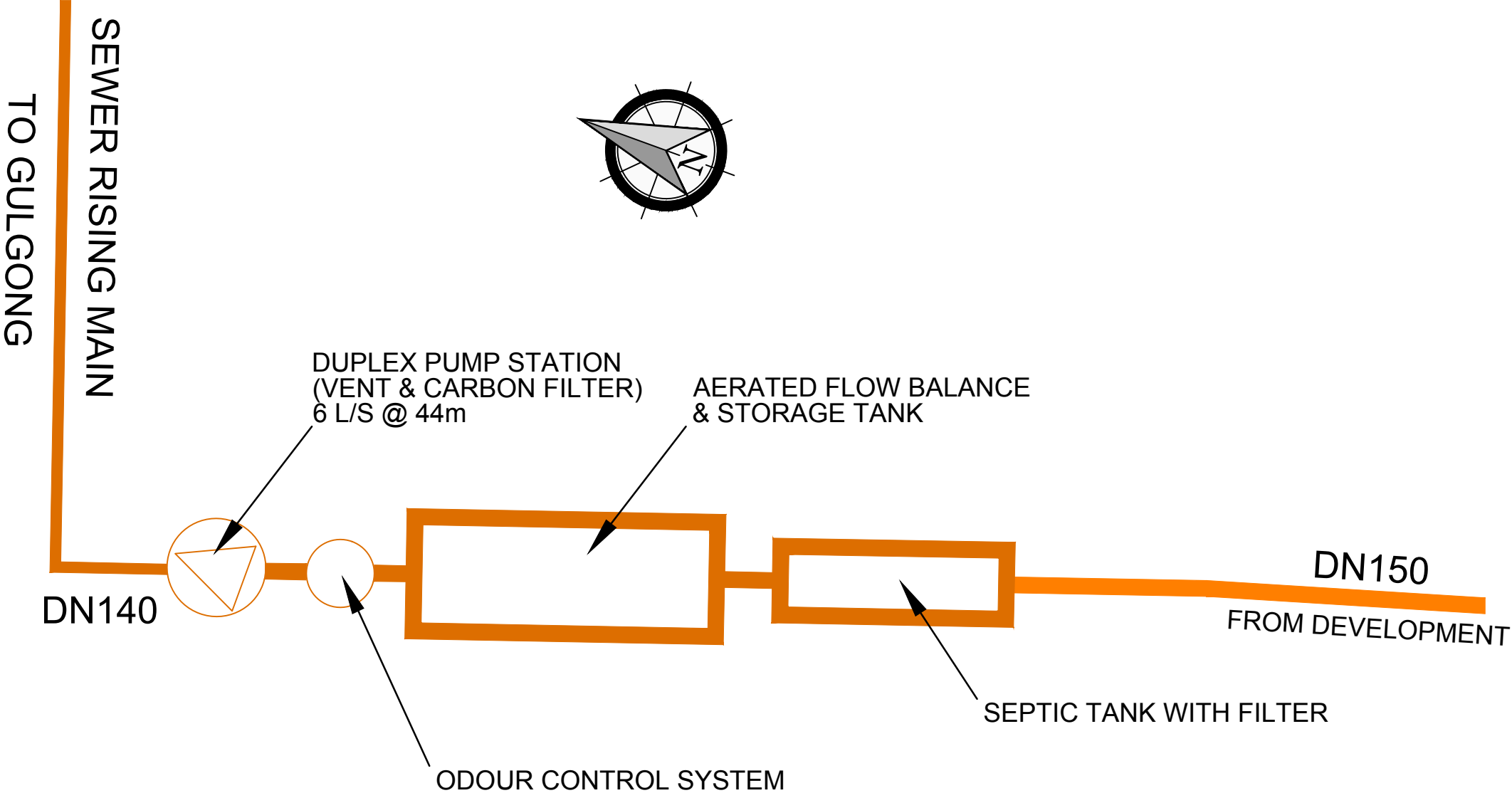
EASEMENT

WATERCOURSE

APZ BUFFER

COMMON AMENITIES BUILDING

IRRIGATION DAMS



DETAIL 1 - SEWER STORAGE
TREATMENT & DISCHARGE SYSTEM
R.R. 1: 200

ver.	date	comment	drawn	pm	co-ordinate information	level information	scale (A1 original size)	notes
B	23.02.2024	UPDATE AMENITIES BUILDING	RC	M.E.	CO-ORDINATE SYSTEM: MGA 94	DATUM: N/A CONTOUR INTERVAL: N/A	0 50 100m SCALE: 1:2000 (FULL)	SHEET 16 OF 17

drawing title:

SEWER
DEVELOPMENT
DETAIL PLAN

location:

313 Magpie Lane,
Galambine

council:

Mid Western Regional

dwg ref:

240401-DA-015-B

client:

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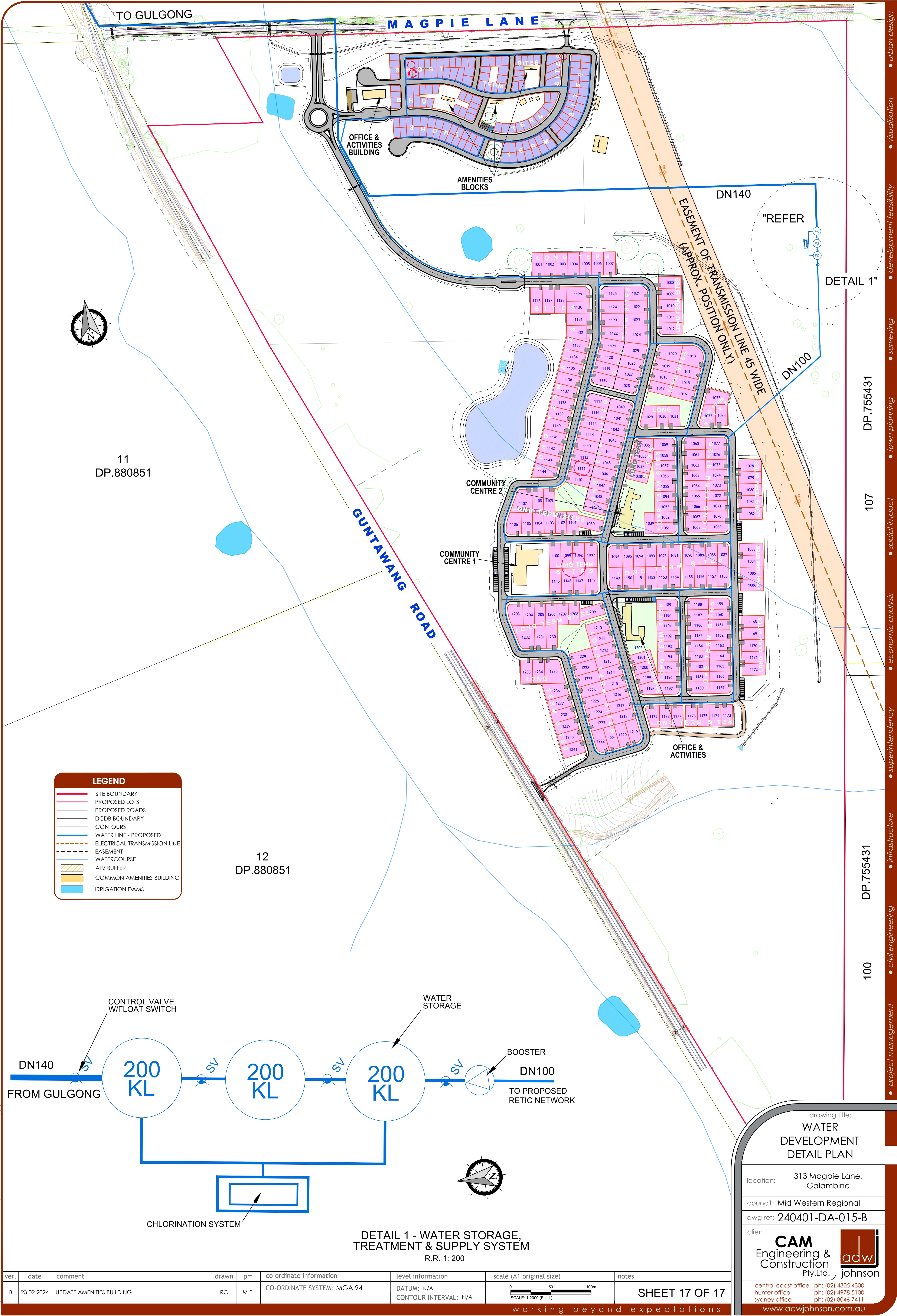
hunter office

ph: (02) 4978 5100

sydney office



ph: (02) 8046 7411



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Appendix B

SITE PHOTOGRAPHS

	<p>Plate 1</p> <p>Description: looking north towards Magpie Lane</p> <p>Date:10/07/2023</p>
	<p>Plate 2</p> <p>Description: Northern section of the site</p> <p>Date:10/07/2023</p>

	<p>Plate 3</p> <p>Description: looking east from the northern section of the site</p> <p>Date: 10/07/2023</p>
	<p>Plate 4</p> <p>Description: looking north- west from the northern section of the site</p> <p>Date: 10/07/2023</p>

 A photograph showing a close-up view of the ground in a natural setting. The soil is reddish-brown and appears dry. It is covered with sparse green grass and numerous small, light-colored rock fragments and pebbles of various sizes. In the upper right background, the base of a tree with thick, gnarled roots is visible.	<p>Plate 5</p> <p>Description: Rock fragments in the northern section of the site</p> <p>Date: 10/07/2023</p>
 A wide-angle landscape photograph of a rural site. The foreground is a large, flat field with dry, yellowish-brown grass interspersed with patches of green. In the middle distance, there is a line of trees and a few small buildings. The background features rolling hills under a bright blue sky with scattered white clouds.	<p>Plate 6</p> <p>Description: General view of the site</p> <p>Date:10/07/2023</p>

 A wide-angle landscape photograph showing a vast, flat field of dry, yellowish-brown grass under a bright blue sky with scattered white clouds. In the distance, a line of trees marks the horizon, with rolling hills visible beyond them.	<p>Plate 7</p> <p>Description: Tree line along Guntawang Road</p> <p>Date: 10/07/2023</p>
 A landscape photograph taken from a slightly elevated position, looking across a field of dry grass. Several dark-colored horses are grazing in the middle ground. A few trees and a utility pole are visible in the distance under a clear, solid blue sky.	<p>Plate 8</p> <p>Description: Looking south-east</p> <p>Date:10/07/2023</p>

	<p>Plate 9</p> <p>Description: Looking south</p> <p>Date: 10/07/2023</p>
	<p>Plate 10</p> <p>Description: Northern part of the site</p> <p>Date: 12/07/2023</p>



Plate 11

Description:
Roundabout
view northern
section

Date: 12/07/2023



Plate 12

Description:
monitoring well
on site

Date: 12/07/2023

 A wide-angle photograph of a grassy field at dusk or dawn. The field is covered in dry, yellowish-brown grass with patches of green. In the background, there are rolling hills and a line of trees under a soft, orange-hued sky.	<p>Plate 13</p> <p>Description: General view of the site</p> <p>Date: 12/07/2023</p>
 A photograph of a small, circular dam or pond in a dry, open landscape. The water is still, reflecting the clear blue sky and the surrounding dry grass. A large, leafy tree stands prominently on the left bank of the dam. The ground around the dam is dry and brown.	<p>Plate 14</p> <p>Description: Site dam in the northern section</p> <p>Date: 12/07/2023</p>



Plate 15

Description:
looking north
towards
intersection
Guntawang
Road and
Magpie Lane

Date: 12/07/2023



Plate 16

Description:
Dam in the
central area of
the site

Date: 12/07/2023



Plate 17

Description: Hill recontouring in the northern section of the site

Date: 12/07/2023



Plate 18

Description: Shed and container on site

Date: 12/07/2023



Plate 19

Description:
Shed/structure
identified in the
central eastern
boundary of
the Site.

Date: 12/07/2023



Plate 20

Description:
Shed/structure
identified in the
central eastern
boundary of
the Site.
Potential Septic
tank visible.

Date: 12/07/2023

Appendix C

LOT SEARCH ENVIRONMENTAL REPORT (2023)



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 05 Oct 2023 12:50:04

Reference: LS048750 EP

Address: 313 Magpie Lane, Galambine, NSW 2850

Disclaimer:

The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.

You should obtain independent advice before you make any decision based on the information within the report.

The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

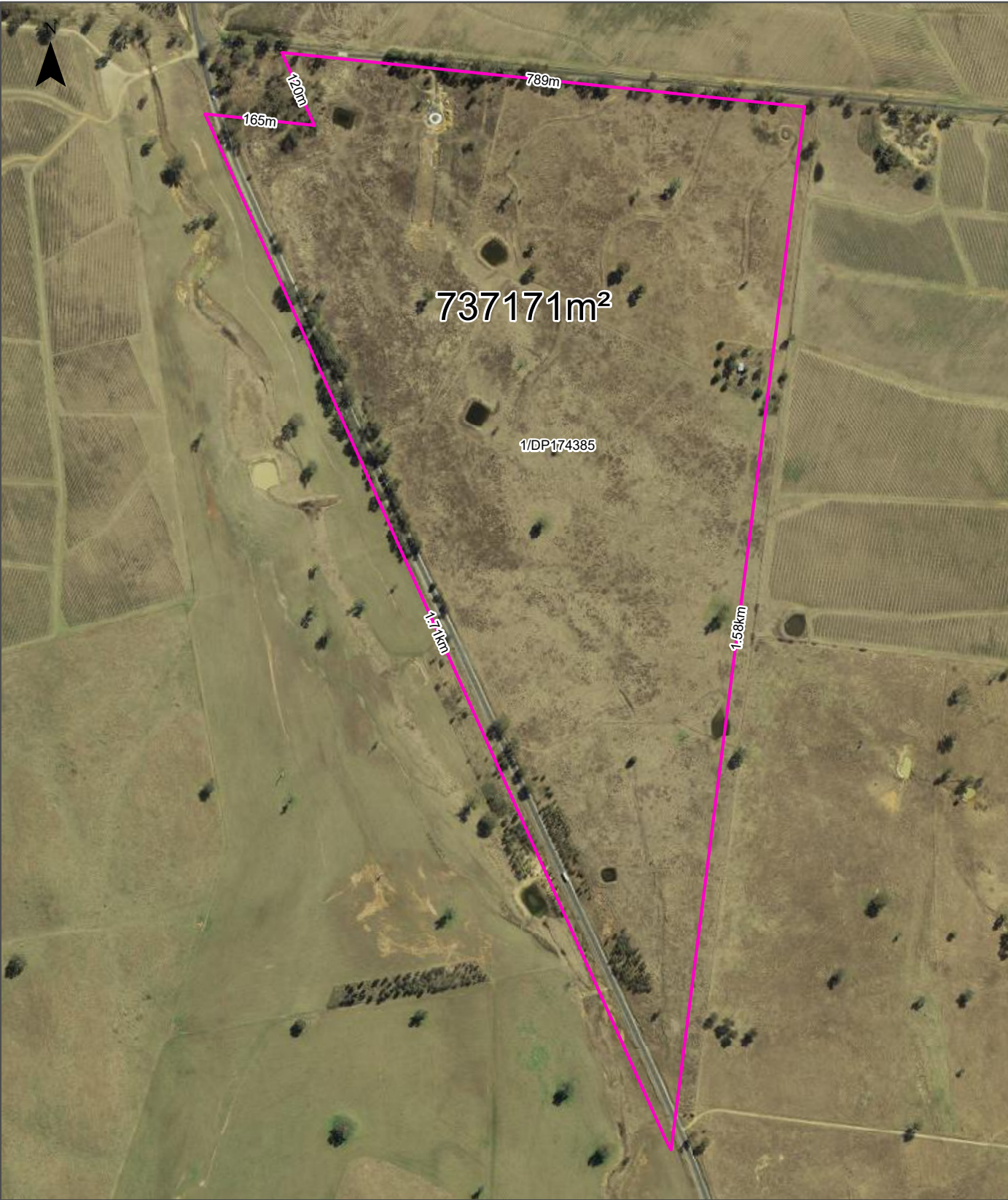
Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	14/09/2023	14/09/2023	Quarterly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	22/08/2022	22/08/2022	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	11/09/2023	08/09/2023	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority	28/06/2023	28/06/2023	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority	10/05/2023	14/07/2021	Quarterly	1000m	0	0	0
Notices under the POEO Act 1997	Environment Protection Authority	26/07/2023	26/07/2023	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	26/05/2022	07/03/2017	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	20/09/2023	07/09/2020	Annually	1000m	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	22/09/2023	23/09/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	16/08/2023	16/08/2023	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	16/08/2023	16/08/2023	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	18/08/2023	18/08/2023	Monthly	2000m	0	0	0
Defence Controlled Areas	Department of Defence	08/06/2023	08/06/2023	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	16/06/2023	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Department of Defence	08/06/2023	08/06/2023	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	16/02/2022	13/12/2018	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	20/09/2023	20/09/2023	Monthly	1000m	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	20/09/2023	20/09/2023	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	20/09/2023	20/09/2023	Monthly	1000m	3	3	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	0	0
Points of Interest	NSW Department of Customer Service - Spatial Services	19/10/2022	19/10/2022	Quarterly	1000m	0	0	0
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/10/2022	19/10/2022	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/10/2022	19/10/2022	Quarterly	1000m	0	0	1
Major Easements	NSW Department of Customer Service - Spatial Services	23/05/2023	23/05/2023	Quarterly	1000m	0	0	0
State Forest	Forestry Corporation of NSW	16/08/2022	14/08/2022	Annually	1000m	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	16/02/2023	31/12/2022	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	29/08/2022	19/08/2019	As required	1000m	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	09/05/2023	23/02/2018	Annually	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	18/04/2023	13/07/2022	Annually	2000m	0	0	8
NSW Seamless Geology Single Layer: Rock Units	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	3	3	4
NSW Seamless Geology – Single Layer: Trendlines	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
NSW Seamless Geology – Single Layer: Geological Boundaries and Faults	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	2	3	6
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000m	1	2	3
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	18/08/2022	27/07/2020	Annually	1000m	2	2	4
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	31/08/2023	30/06/2023	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	2	2
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000m	2	2	2
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	15/05/2023	15/05/2023	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Industry	25/08/2023	25/08/2023	Monthly	1000m	1	1	2
Mining Title Applications	NSW Department of Industry	25/08/2023	25/08/2023	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	25/08/2023	25/08/2023	Monthly	1000m	13	14	23
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	31/08/2023		Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	31/08/2023	25/08/2023	Monthly	1000m	1	3	7
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	06/09/2023	03/03/2023	Quarterly	1000m	0	0	0
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	31/08/2023	25/08/2023	Monthly	1000m	0	1	4
Bush Fire Prone Land	NSW Rural Fire Service	28/09/2023	15/08/2023	Monthly	1000m	0	0	0
NSW Native Vegetation Type Map	NSW Department of Planning and Environment	26/05/2023	12/12/2022	Quarterly	1000m	12	15	33
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	09/05/2023	01/11/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	3	4	4
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	4	5	6
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	13/09/2023	13/09/2023	Weekly	10000m	-	-	-

Site Diagram

313 Magpie Lane, Galambine, NSW 2850



Legend <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	Total Area: 737171m²		Scale: 0 25 50 100 150 200 250 Meters	
	Total Perimeter: 4.36km		Data Sources: Aerial Imagery: © Department of Customer Service 2020	
	Disclaimers: Measurements are approximate only and may have been simplified or smaller lengths removed for readability. Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.		Coordinate System: GDA 1994 MGA Zone 56	Date: 05 October 2023

Contaminated Land

313 Magpie Lane, Galambine, NSW 2850

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
N/A	No records in buffer								

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Contaminated Land

313 Magpie Lane, Galambine, NSW 2850

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
N/A	No records in buffer							

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit
<http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm>

Former Gasworks

Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Contaminated Land

313 Magpie Lane, Galambine, NSW 2850

EPA Notices

Penalty Notices, s.91 & s.92 Clean up Notices and s.96 Prevention Notices within the dataset buffer:

Number	Type	Name	Address	Status	Issued Date	Act	Offence	Offence Date	Loc Conf	Dist	Dir
N/A	No records in buffer										

NSW EPA Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

313 Magpie Lane, Galambine, NSW 2850

National Waste Management Site Database

Sites on the National Waste Management Site Database within the dataset buffer:

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Geoscience Australia
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
N/A	No records in buffer										

National Liquid Fuel Facilities Data Source: Geoscience Australia
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

PFAS Investigation & Management Programs

313 Magpie Lane, Galambine, NSW 2850

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Map ID	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites and Unexploded Ordnance

313 Magpie Lane, Galambine, NSW 2850

Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

Site ID	Location Name	Loc Conf	Dist	Dir
N/A	No records in buffer			

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

Defence 3 Year Regional Contamination Investigation Program (RCIP)

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

Site ID	Location Name	Category	Area Description	Additional Information	Commonwealth	Loc Conf	Dist	Dir
N/A	No records in buffer							

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

313 Magpie Lane, Galambine, NSW 2850

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

EPA Activities

313 Magpie Lane, Galambine, NSW 2850

Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

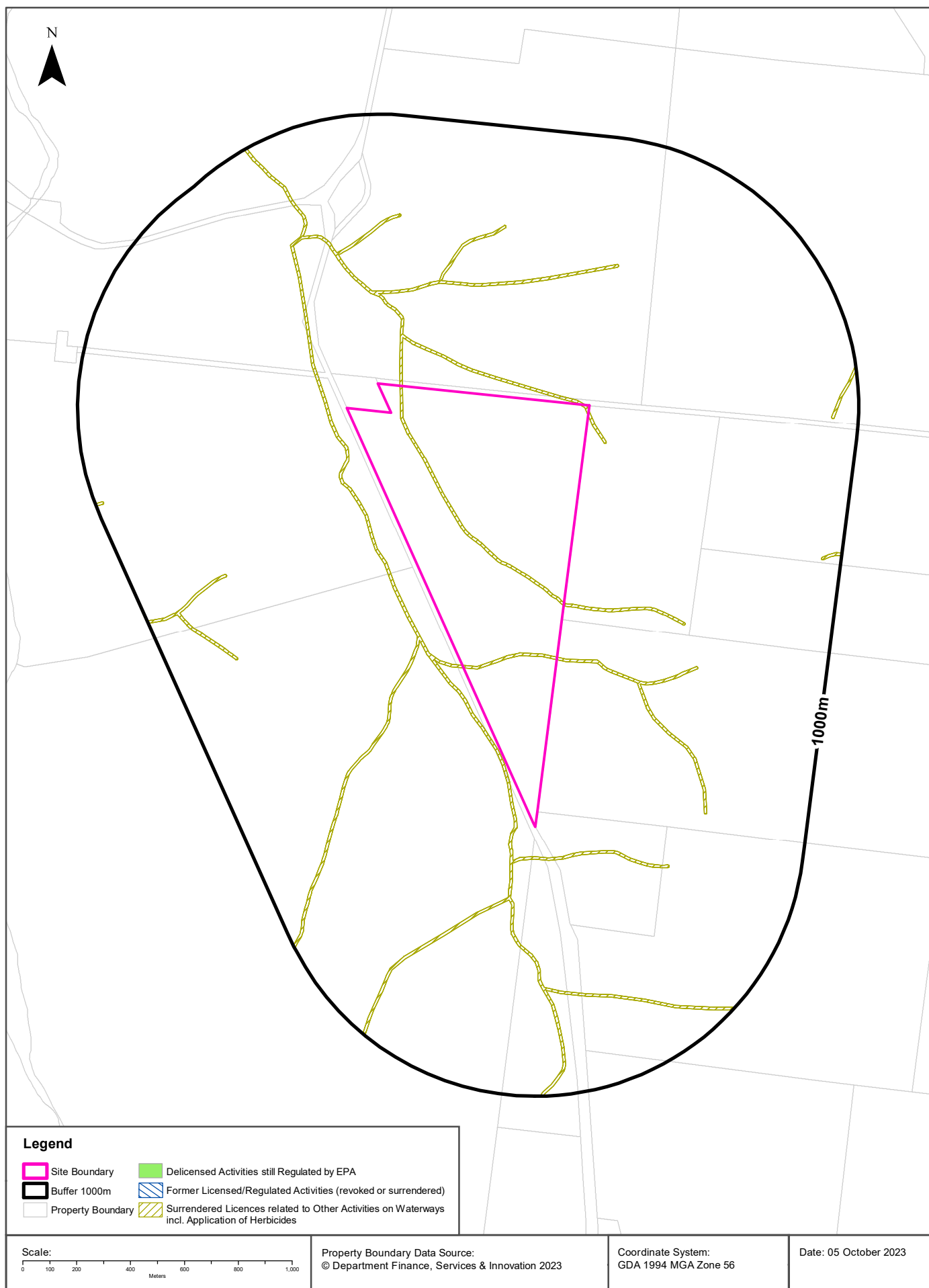
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

313 Magpie Lane, Galambine, NSW 2850



EPA Activities

313 Magpie Lane, Galambine, NSW 2850

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

Delicensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site

Former Licensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Historical Business Directories

313 Magpie Lane, Galambine, NSW 2850

Business Directory Records 1950-1991 Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Business Directory Records 1950-1991 Road or Area Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Historical Business Directories

313 Magpie Lane, Galambine, NSW 2850

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018





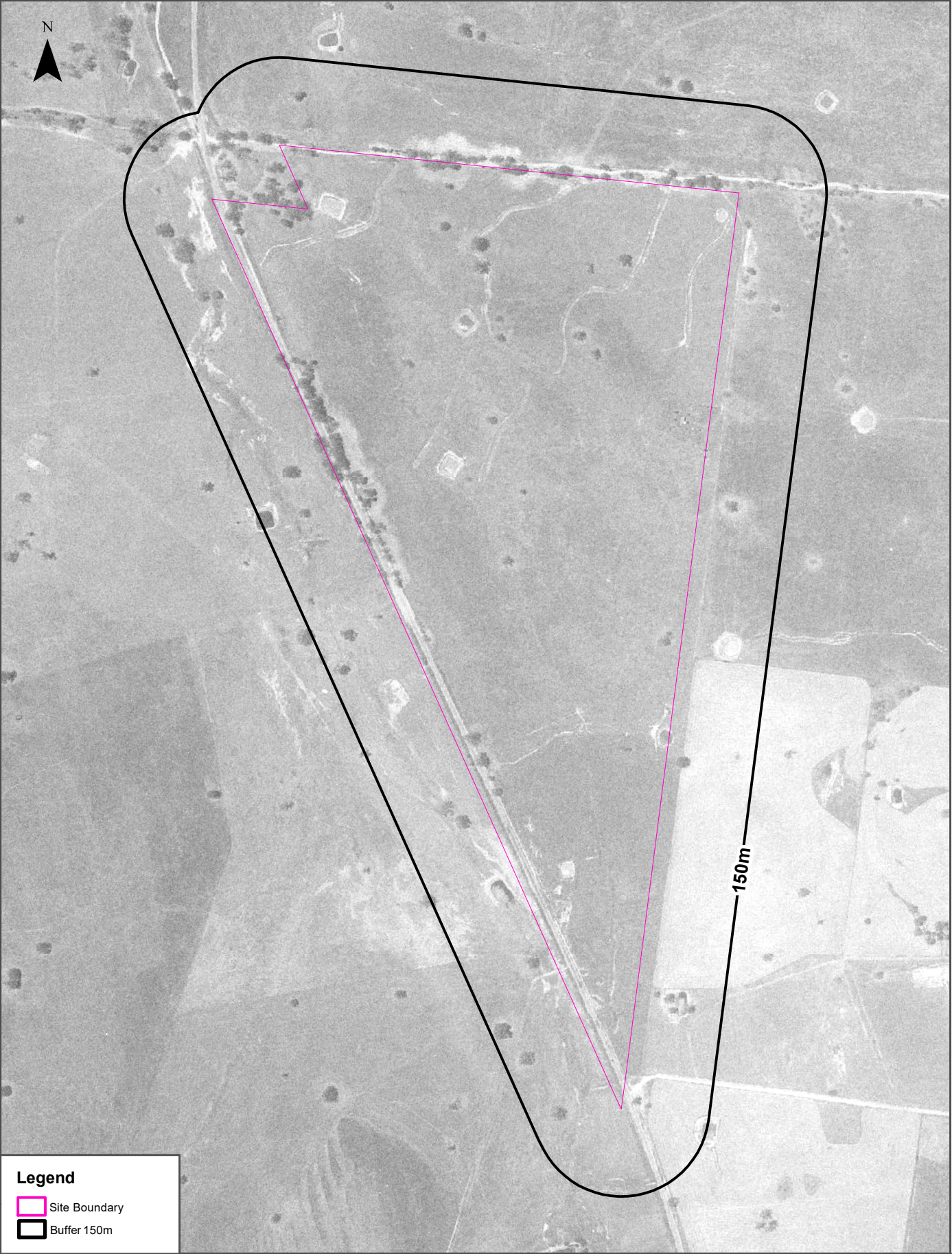
Scale: 0 100 200 300 400 Meters	Data Source Aerial Imagery: © 2023 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 October 2023
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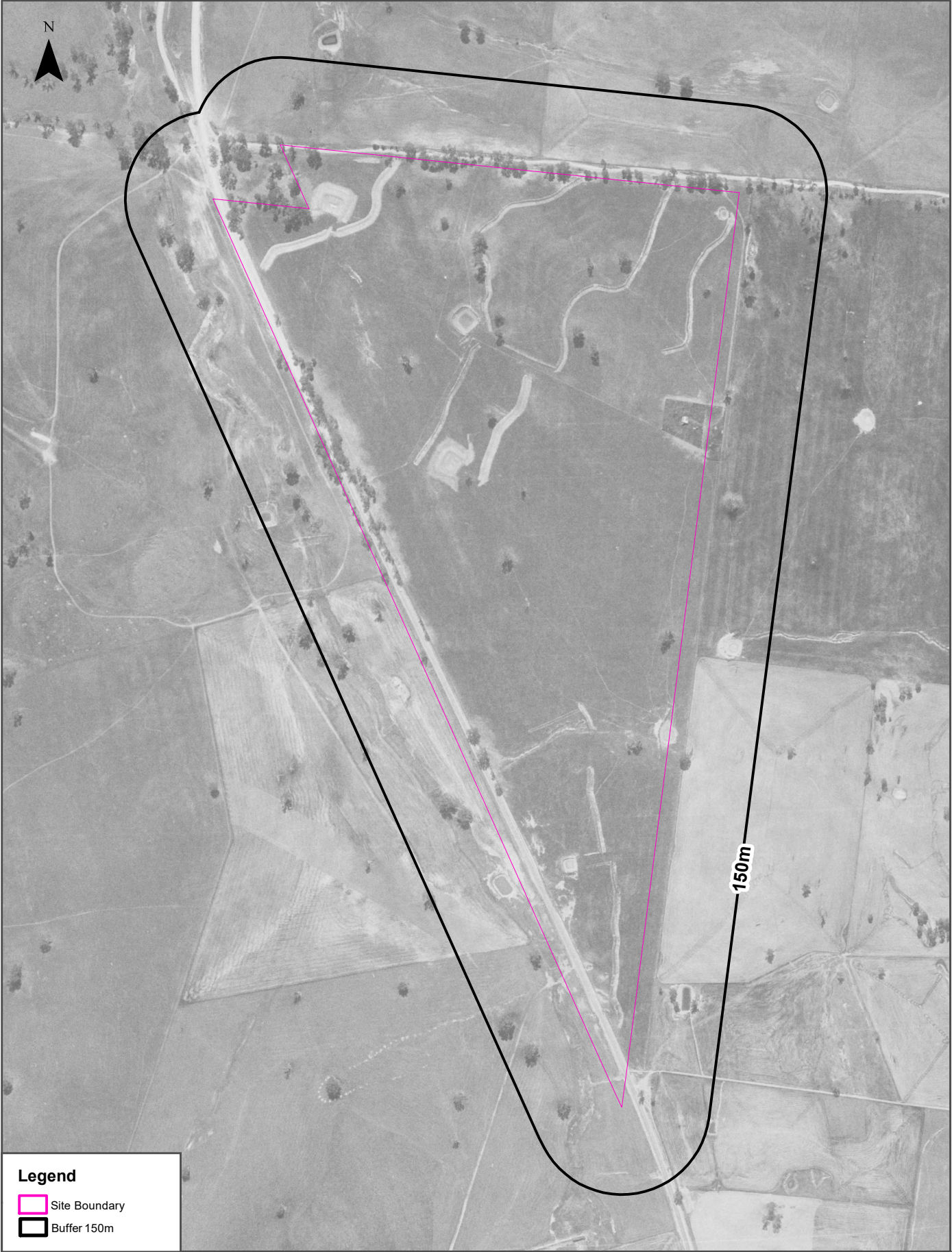
<p>Scale:</p> <p>0 100 200 300 400</p> <p>Meters</p>	<p>Data Source Aerial Imagery: © 2023 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.</p>	<p>Coordinate System: GDA 1994 MGA Zone 56</p>	<p>Date: 03 October 2023</p>
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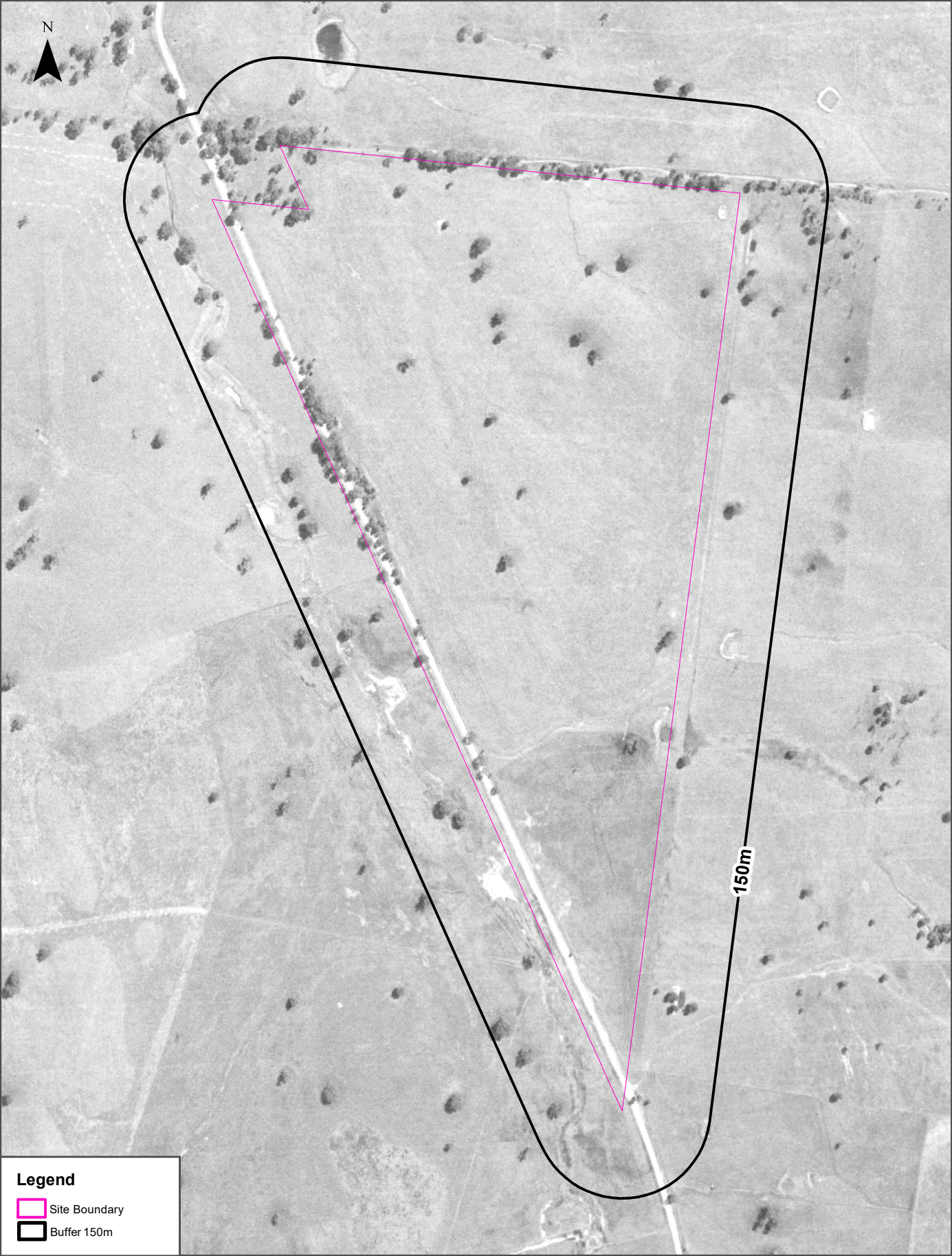


Scale: 0 100 200 300 400 Meters	Data Source Aerial Imagery: © 2023 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 October 2023
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Scale: 0 100 200 300 400 Meters	Data Source Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 October 2023
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Scale: 0 100 200 300 400 Meters	Data Source Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 October 2023
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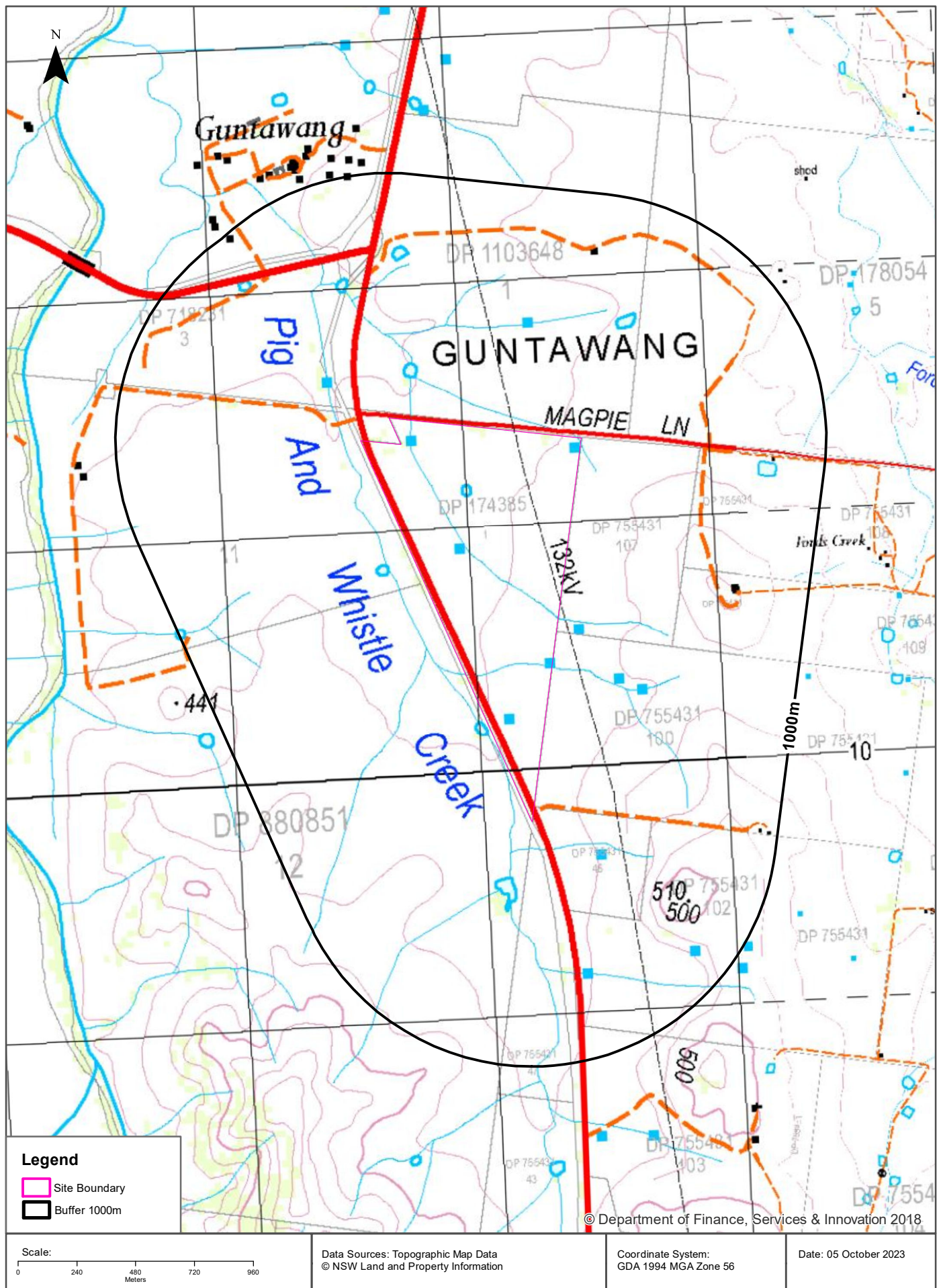




Scale: 0 100 200 300 400 Meters	Data Source Aerial Imagery: © 2023 Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 56	Date: 04 October 2023
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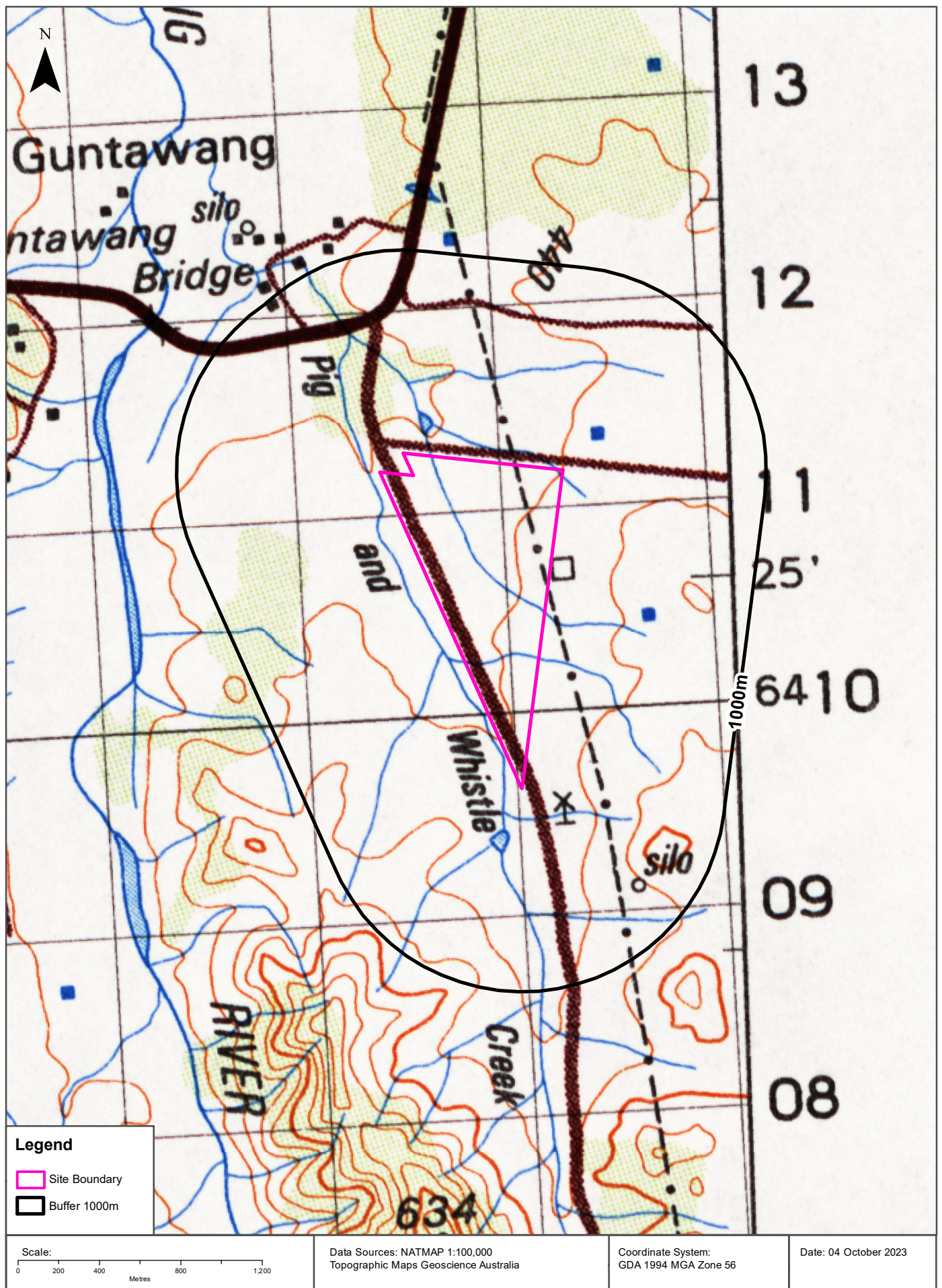
Topographic Map 2015

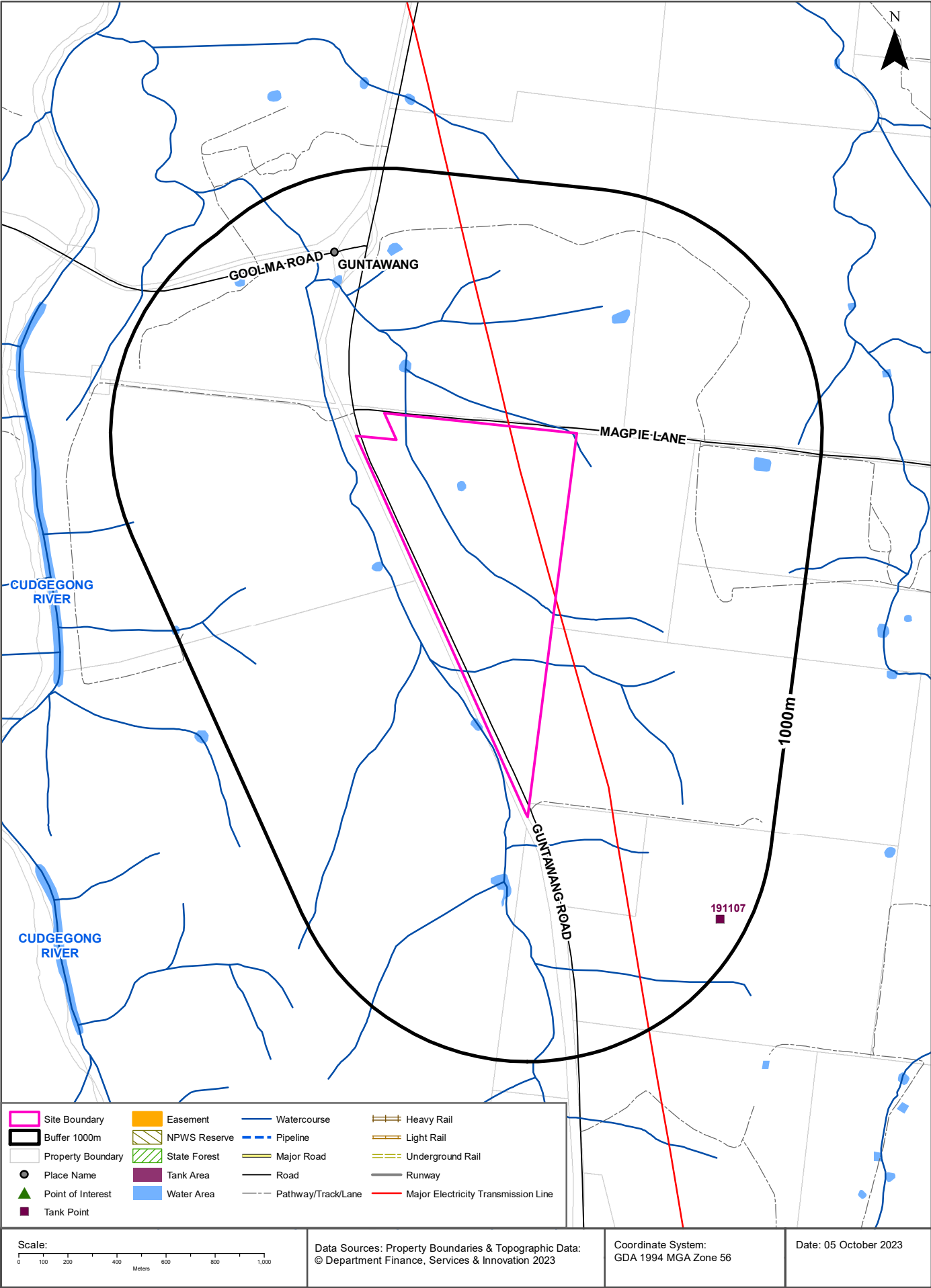
313 Magpie Lane, Galambine, NSW 2850



Historical Map 1975

313 Magpie Lane, Galambine, NSW 2850





Topographic Features

313 Magpie Lane, Galambine, NSW 2850

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
N/A	No records in buffer			

Topographic Data Source: © Land and Property Information (2015)

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Topographic Features

313 Magpie Lane, Galambine, NSW 2850

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
191107	Water	Operational		02/10/2012	889m	South East

Tanks Data Source: © Land and Property Information (2015)

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Major Easements

What Major Easements exist within the dataset buffer?

Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
N/A	No records in buffer				

Easements Data Source: © Land and Property Information (2015)

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Topographic Features

313 Magpie Lane, Galambine, NSW 2850

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)

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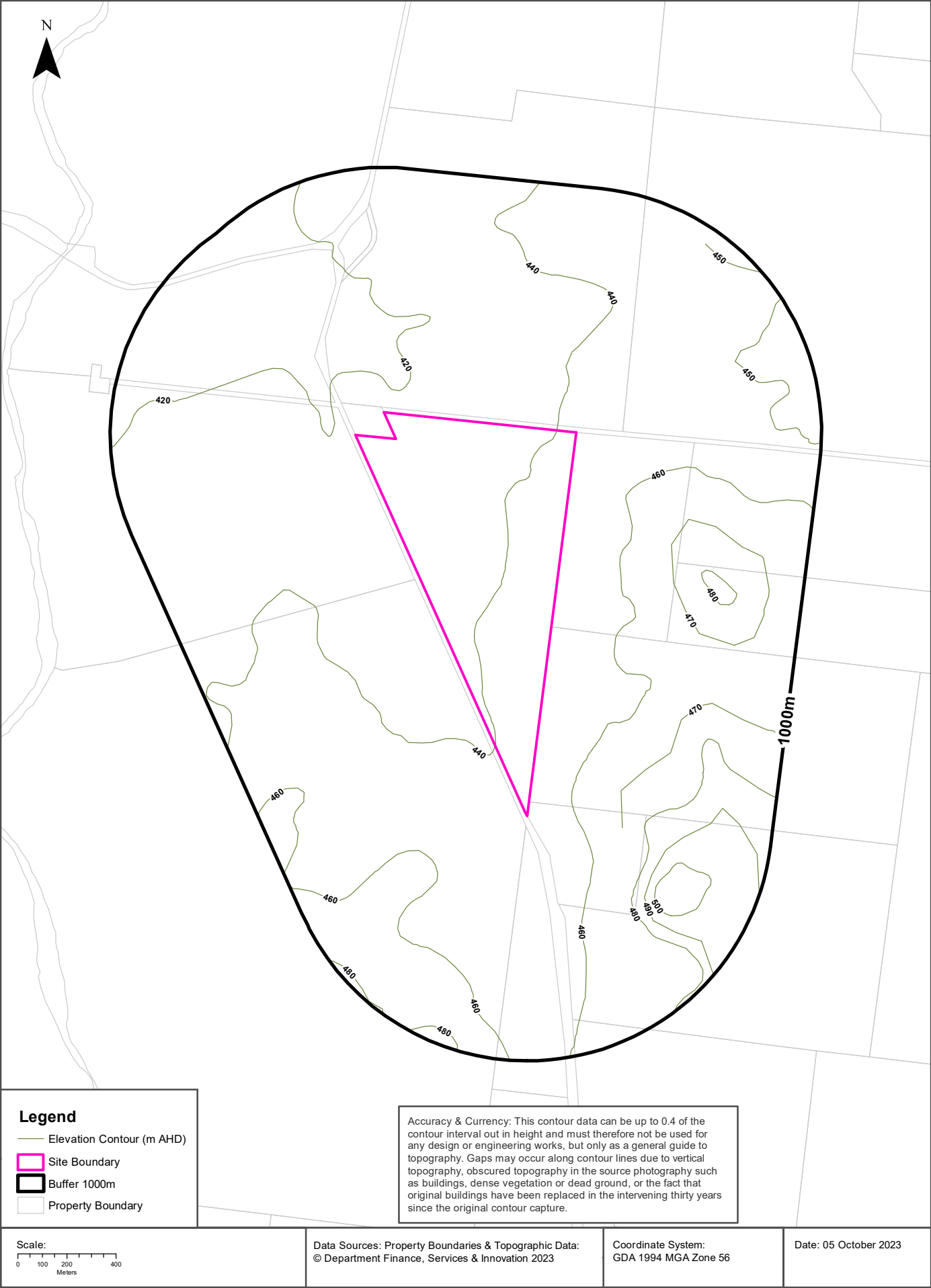
National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © NSW Department of Finance, Services & Innovation (2018)

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Hydrogeology & Groundwater

313 Magpie Lane, Galambine, NSW 2850

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Fractured or fissured, extensive aquifers of low to moderate productivity	0m	On-site

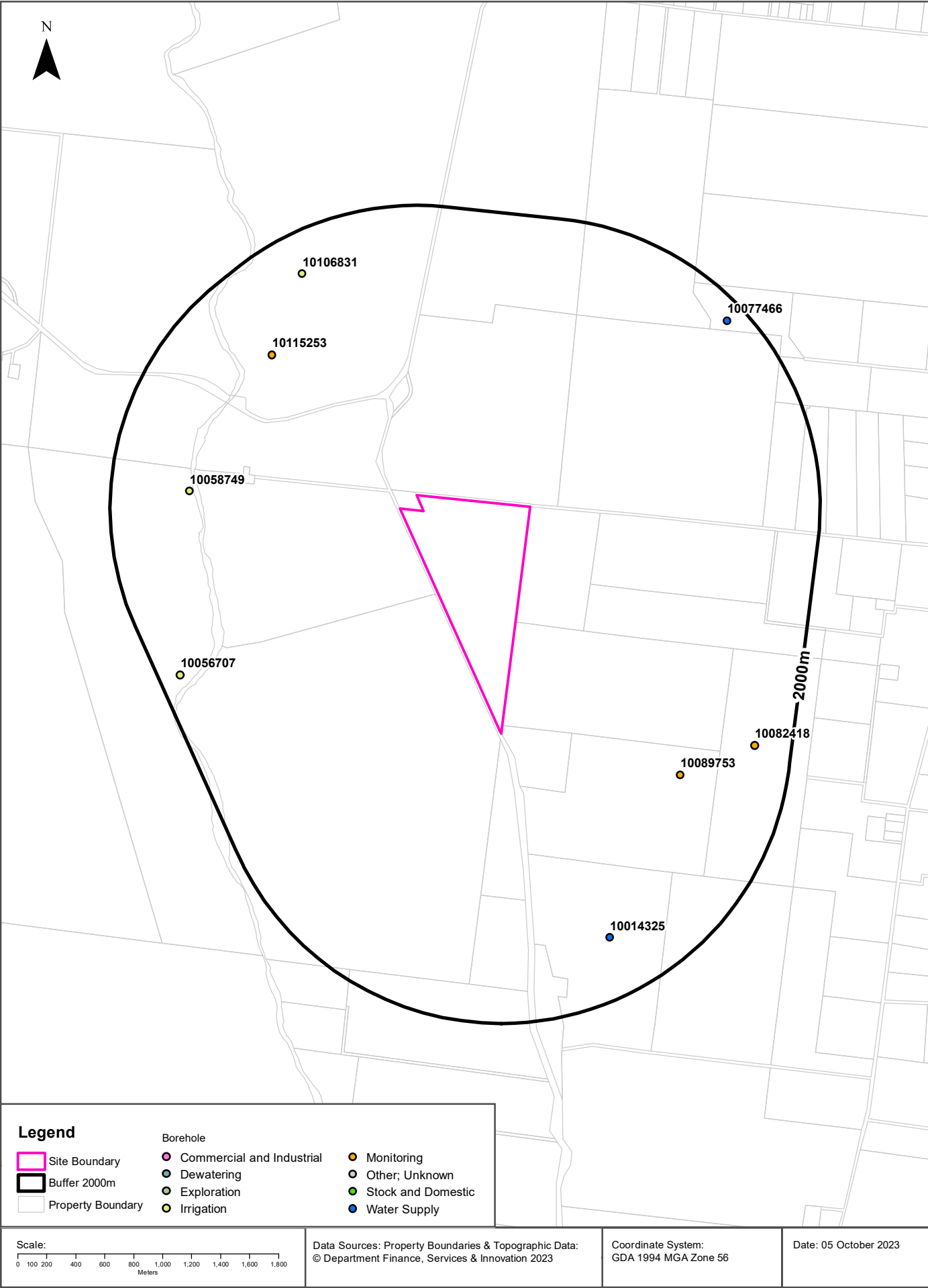
Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018 Data Source : NSW Department of Primary Industries



Hydrogeology & Groundwater

313 Magpie Lane, Galambine, NSW 2850

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10089753	GW800644	Monitoring	Removed	14/05/1998	106.70		AHD				1270m	South East
10115253	GW029444	Monitoring	Abandoned	01/04/1966	9.10		AHD				1376m	North West
10058749	GW014906	Irrigation	Abandoned	01/06/1963	14.30		AHD	0-500 ppm			1455m	West
10014325	GW066648	Water Supply	Functioning	30/05/1991	60.97	492.50	AHD	Good	1.250	18.29	1597m	South
10106831	GW029442	Irrigation	Unknown	01/09/1965	6.40		AHD				1717m	North West
10082418	GW800643	Monitoring	Removed	14/05/1998	121.90		AHD				1748m	South East
10056707	GW028222	Irrigation	Unknown	01/06/1966	106.60		AHD				1852m	West
10077466	GW803111	Water Supply	Functioning	21/08/2006	150.00		AHD	Good	1.890	24.00	1871m	North East

Borehole Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Hydrogeology & Groundwater

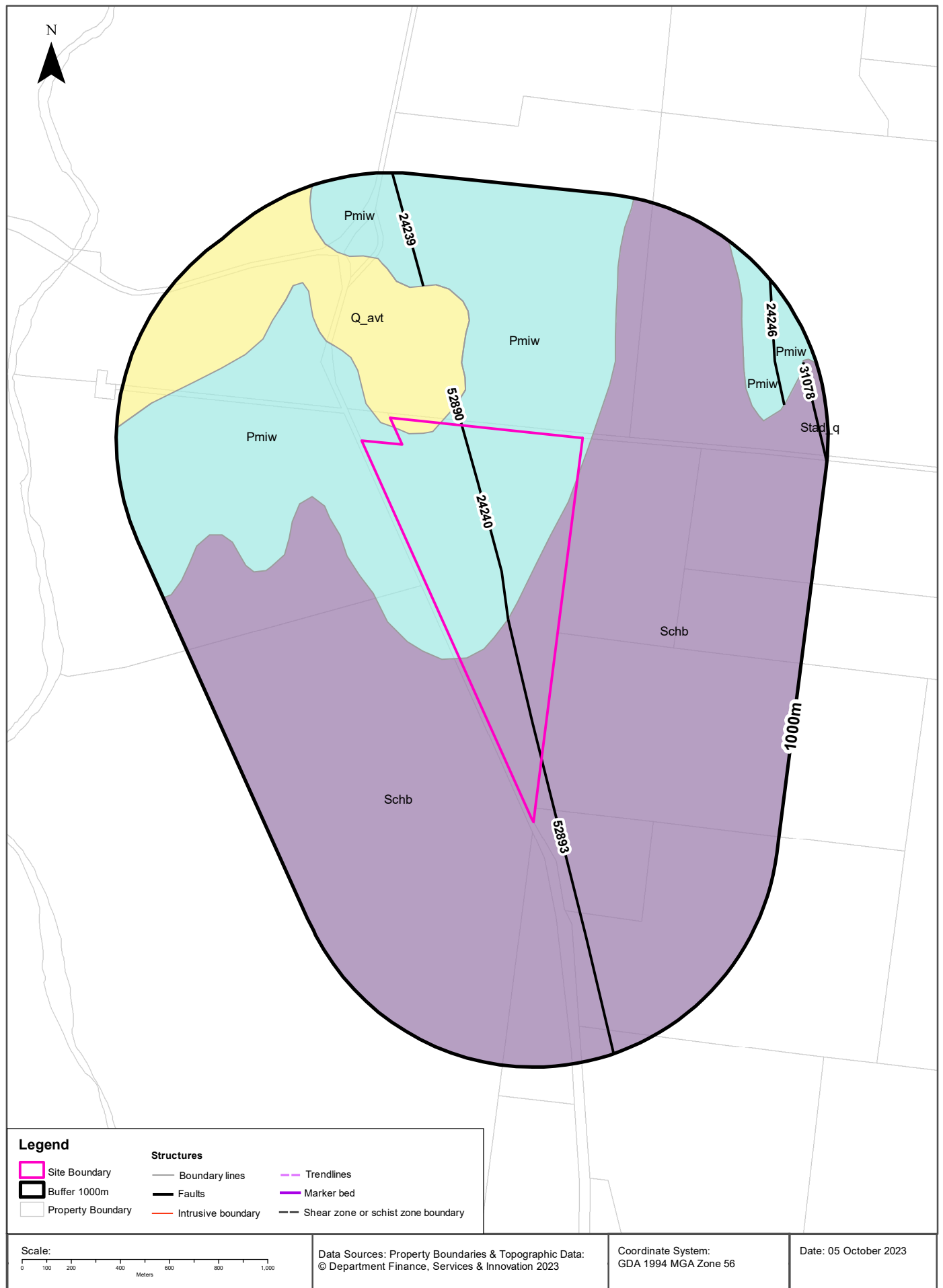
313 Magpie Lane, Galambine, NSW 2850

Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

NGIS Bore ID	Drillers Log	Distance	Direction
10115253	0.00m-4.57m Soil Loamy Alluvium 4.57m-9.14m Gravel Dry River	1376m	North West
10058749	0.00m-3.05m Clay 3.05m-5.18m Clay Gravel Water Supply 5.18m-8.23m Clay Sandy 8.23m-11.58m Sandstone Hard 11.58m-14.33m Shale Black	1455m	West
10014325	0.00m-0.60m Topsoil 0.60m-6.09m Clay 6.09m-60.97m Shale and Basalt	1597m	South
10106831	0.00m-3.35m Loam Red 3.35m-6.40m Clay Gravel Water Supply 3.35m-6.40m Sand Water Supply	1717m	North West
10056707	0.00m-1.83m Topsoil 1.83m-11.58m Sand River Gravel 11.58m-73.15m Shale Grey 73.15m-76.81m Sandstone 76.81m-79.55m Sandstone Hard 79.55m-89.92m Shale Grey 89.92m-100.58m Sandstone Water Supply 100.58m-106.68m Shale Grey	1852m	West
10077466	0.00m-2.00m Clay 2.00m-12.00m Basalt, blue 12.00m-20.00m Clay, with Basalt band 20.00m-30.00m Basalt, red 30.00m-70.00m Basalt, grey 70.00m-100.00m Basalt, red 100.00m-150.00m Basalt, grey	1871m	North East

Drill Log Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



Geology

313 Magpie Lane, Galambine, NSW 2850

Geological Units

What are the Geological Units within the dataset buffer?

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
Pmiw	Watermark Formation	Siltstone, claystone, silty sandstone, thinly bedded siltstone and sandstone.	/Millie Group//Watermark Formation//	Permian (base) to Lopingian (top)	Siltstone	0m
Schb	Biraganbil Formation	Quartz-lithic, feldspar-lithic and quartz sandstone, siltstone, shale, slate.	/Chesleigh Group//Biraganbil Formation//	Gorstian (base) to Ludfordian (top)	Sandstone	0m
Q_avt	Alluvial valley deposits - terraced	Fluvially-deposited clay, silt, sand, gravel.	/Alluvium//Alluvial valley deposits//Alluvial valley deposits - terraced/	Quaternary (base) to Now (top)	Clastic sediment	0m
Stad_q	Dungeree Volcanics - sandstone	Quartz and felsic volcanic-rich sandstone, minor shale.	/Tannabutta Group//Dungeree Volcanics//Dungeree Volcanics - sandstone/	Pridoli (base) to Pridoli (top)	Sandstone	945m

Linear Geological Structures

What are the Dyke, Sill, Fracture, Lineament and Vein trendlines within the dataset buffer?

Map ID	Feature Description	Map Sheet Name	Distance
No Features			

What are the Faults, Shear zones or Schist zones, Intrusive boundaries & Marker beds within the dataset buffer?

Map ID	Boundary Type	Description	Map Sheet Name	Distance
24240	Faulted boundary	Fault, position approximate	Brigalow Belt South Bioregion – digital geology dataset	0m
52893	Faulted boundary	Fault, position approximate	Cobbora 1:100,000 Geological Sheet	0m
52890	Faulted boundary	Fault, position approximate	Cobbora 1:100,000 Geological Sheet	83m
24239	Faulted boundary	Fault, position approximate	Brigalow Belt South Bioregion – digital geology dataset	548m
24246	Faulted boundary	Fault, position approximate	Brigalow Belt South Bioregion – digital geology dataset	832m
31078	Faulted boundary	Reverse fault, approximate	Gulgong 1:100,000 Geological Sheet	945m

Geological Data Source: Statewide Seamless Geology v2.1, Department of Regional NSW

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Naturally Occurring Asbestos Potential

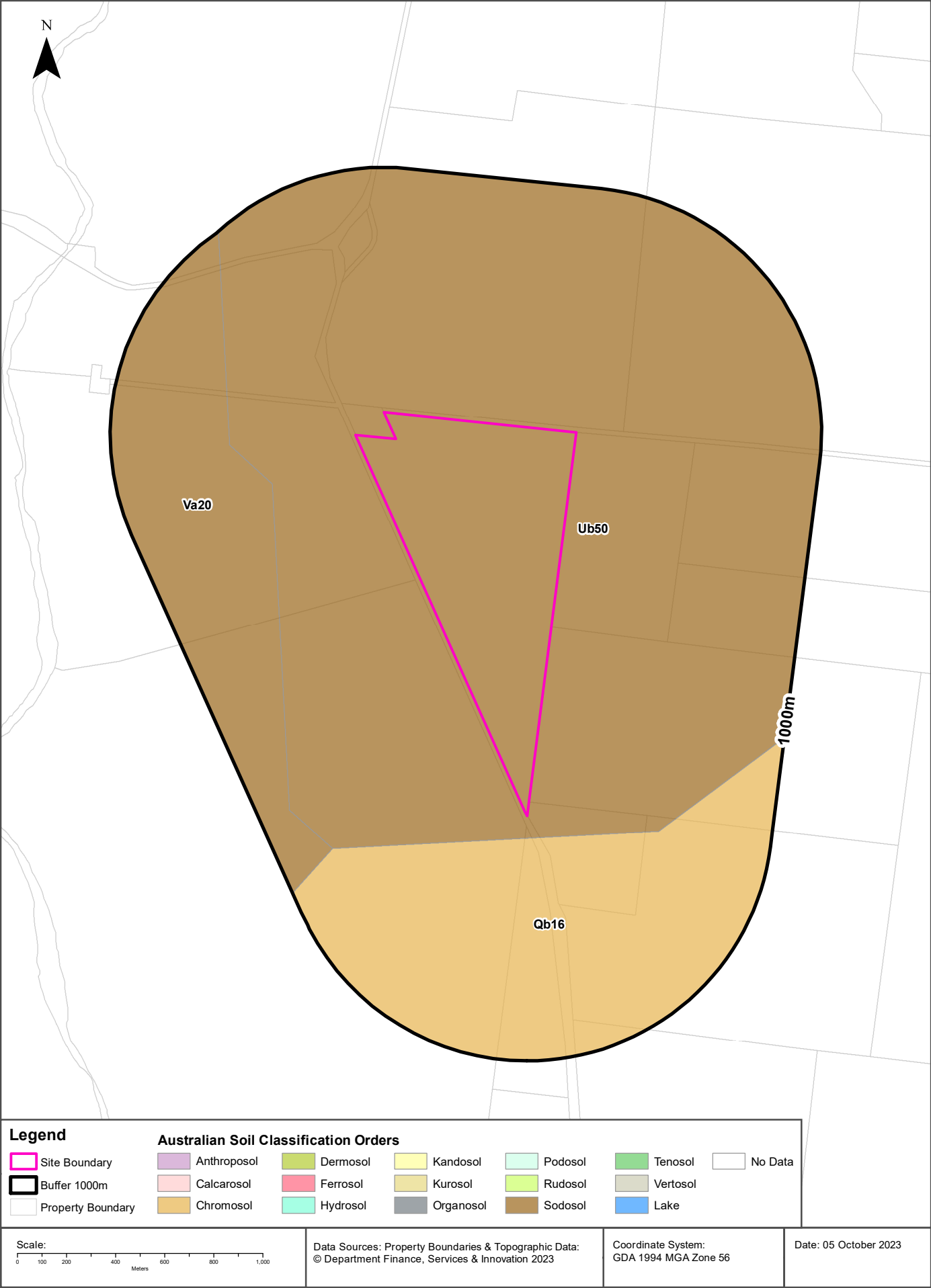
313 Magpie Lane, Galambine, NSW 2850

Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Naturally Occurring Asbestos Potential Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy



Soils

313 Magpie Lane, Galambine, NSW 2850

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

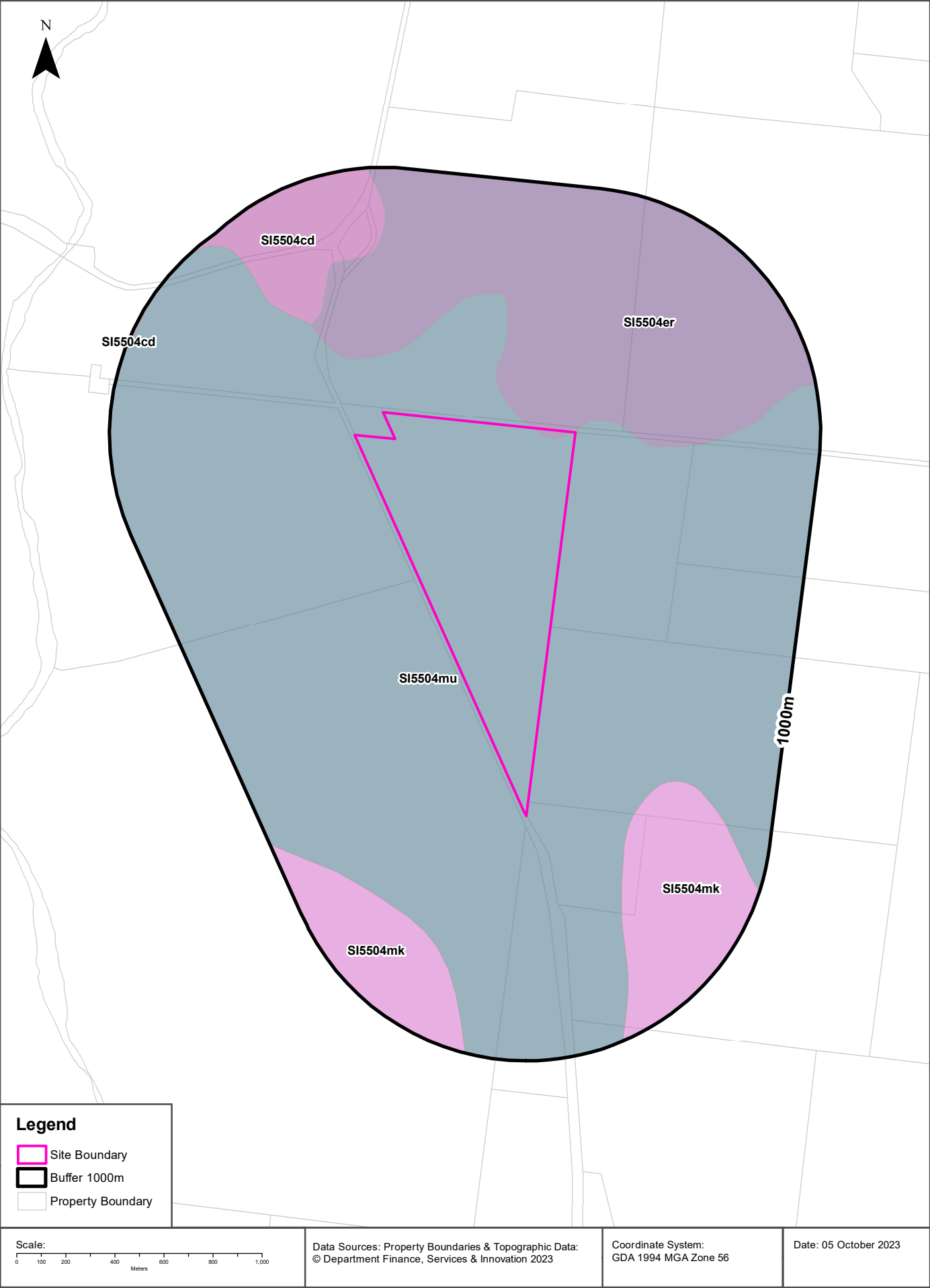
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Ub50	Sodosol	Gently undulating to hilly country of hard neutral yellow mottled soils (Dy3.42) with hard neutral red soils (Dr2.42 and Dr2.22). Associated are red earths (Gn2.15) and possibly other (Gn2) soils; and small areas of other soils, including (Ug5.1) and (Gn3.1). As mapped, areas of unit Va20 are included along the larger streams. Data are limited.	0m	On-site
Qb16	Chromosol	Rolling to steep hilly with rock outcrops: chief soils are hard neutral red soils (Dr2.22) with various other (D) soils including (Dr2.21), (Dy3.42), (Dy3.41), (Dy3.2), (Dy2), and (Um4.1) soils. Shallow stony varieties of all these soils are common. Associated are small areas of other soils and especially those of units Qr1 and Mo3.	90m	South
Va20	Sodosol	Valley plain and terraces of hard alkaline yellow mottled soils (Dy3 .43), red earths (Gn2. 15), and possibly other (Gn2) soils. Associated are younger terraces of (Um6.11) soils and flood-plains of (Um) and (Uc) soils. Compare units Ub47, Gb6, and X9. Data are limited.	391m	West

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes of Central and Eastern NSW

313 Magpie Lane, Galambine, NSW 2850



Soils

313 Magpie Lane, Galambine, NSW 2850

Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
SI5504mu	Mullion Creek	0m	On-site
SI5504er	Erudgerie	0m	On-site
SI5504mk	Mookerawa	412m	South
SI5504cd	Cudgegong	462m	North West

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment

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Acid Sulfate Soils

313 Magpie Lane, Galambine, NSW 2850

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

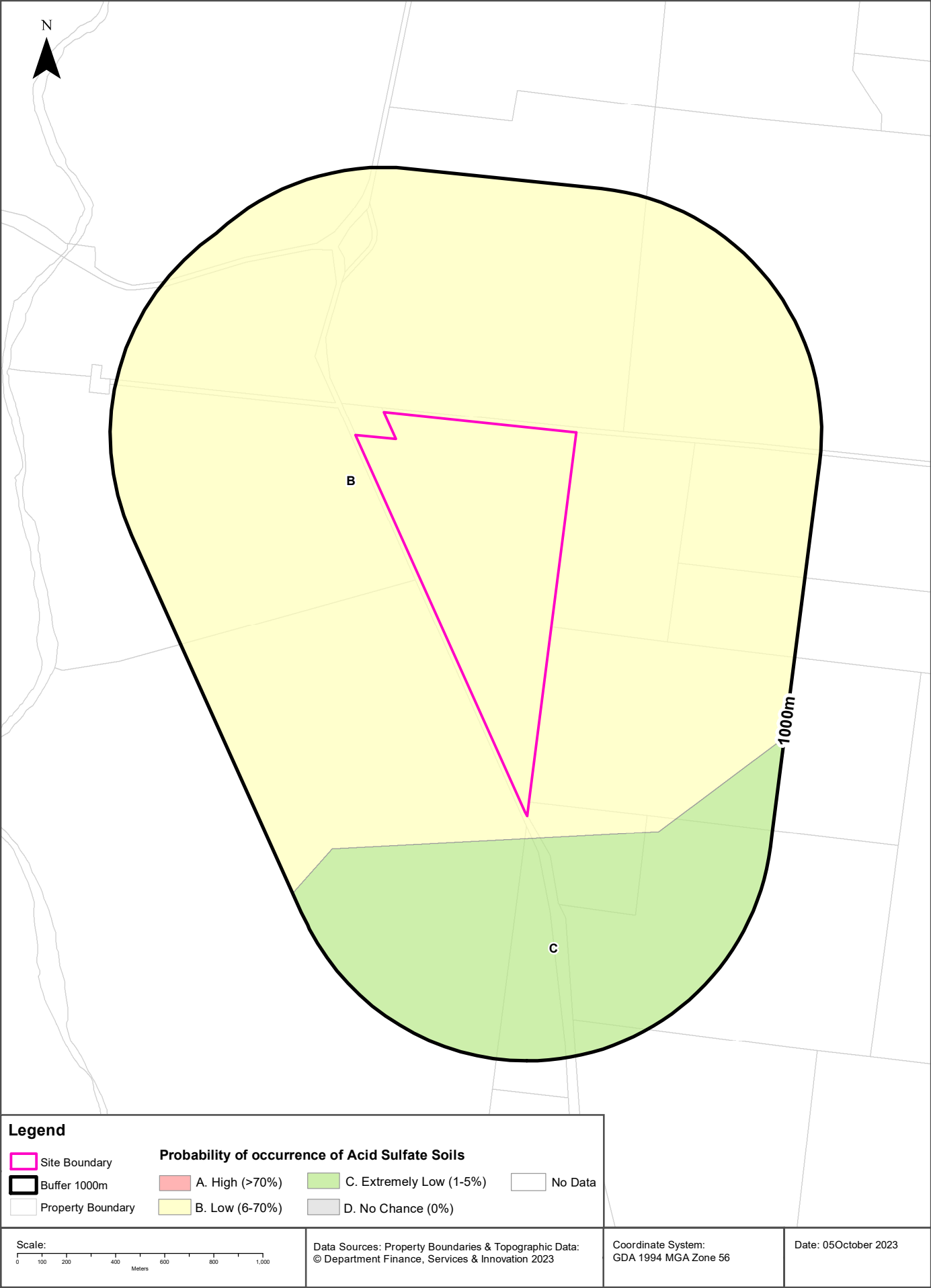
Soil Class	Description	EPI Name
N/A		

If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Acid Sulfate Soils

313 Magpie Lane, Galambine, NSW 2850

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

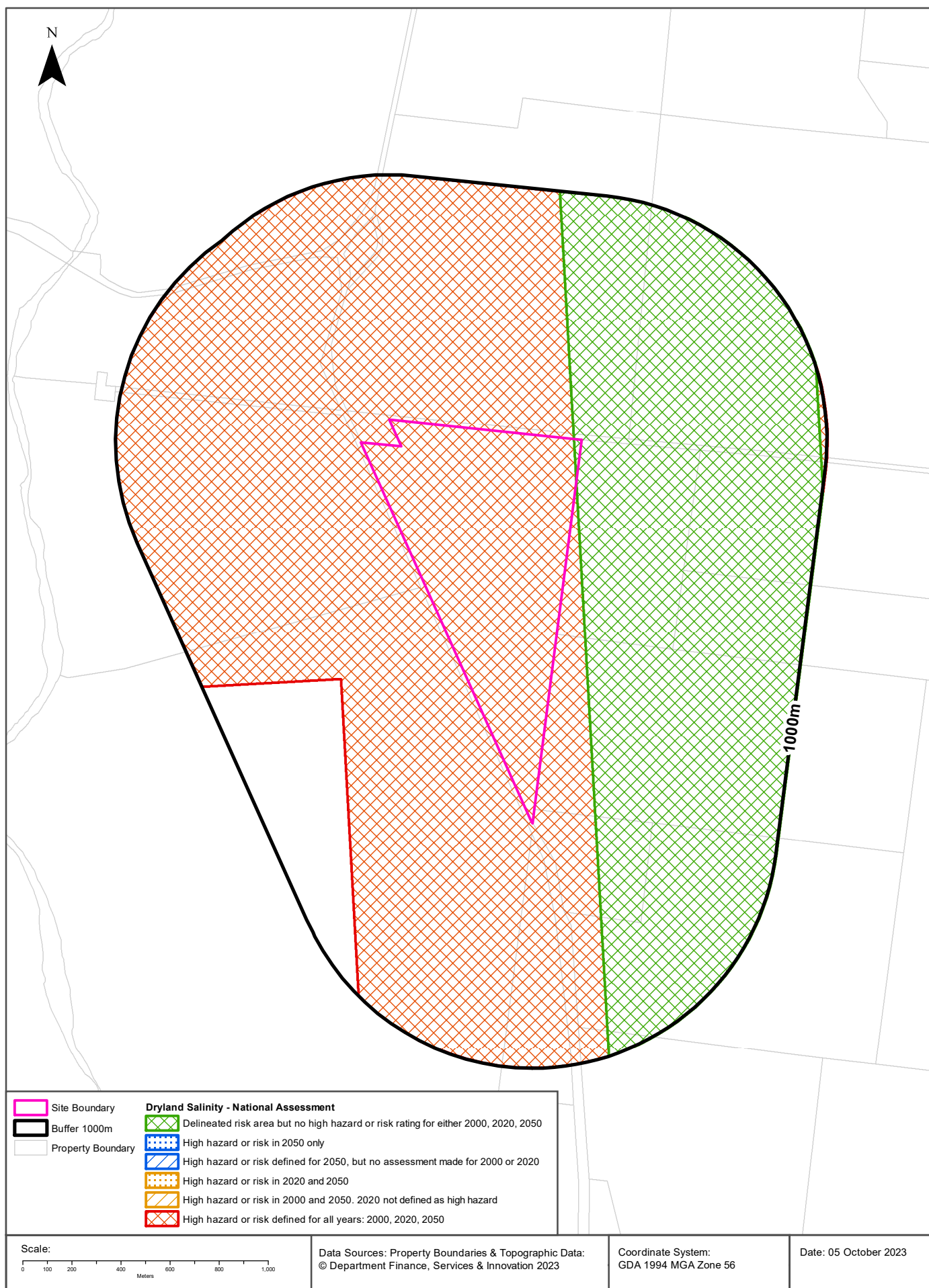
Class	Description	Distance	Direction
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	91m	South

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

313 Magpie Lane, Galambine, NSW 2850



Dryland Salinity

313 Magpie Lane, Galambine, NSW 2850

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

Yes

Is there Dryland Salinity - National Assessment data within the dataset buffer?

Yes

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
High hazard or risk	High hazard or risk	High hazard or risk	0m	On-site
Delineated risk area but no high hazard or risk rating	Delineated risk area but no high hazard or risk rating	Delineated risk area but no high hazard or risk rating	0m	On-site

Dryland Salinity Data Source : National Land and Water Resources Audit

The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information.

Any persons using this information do so at their own risk.

In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Mining

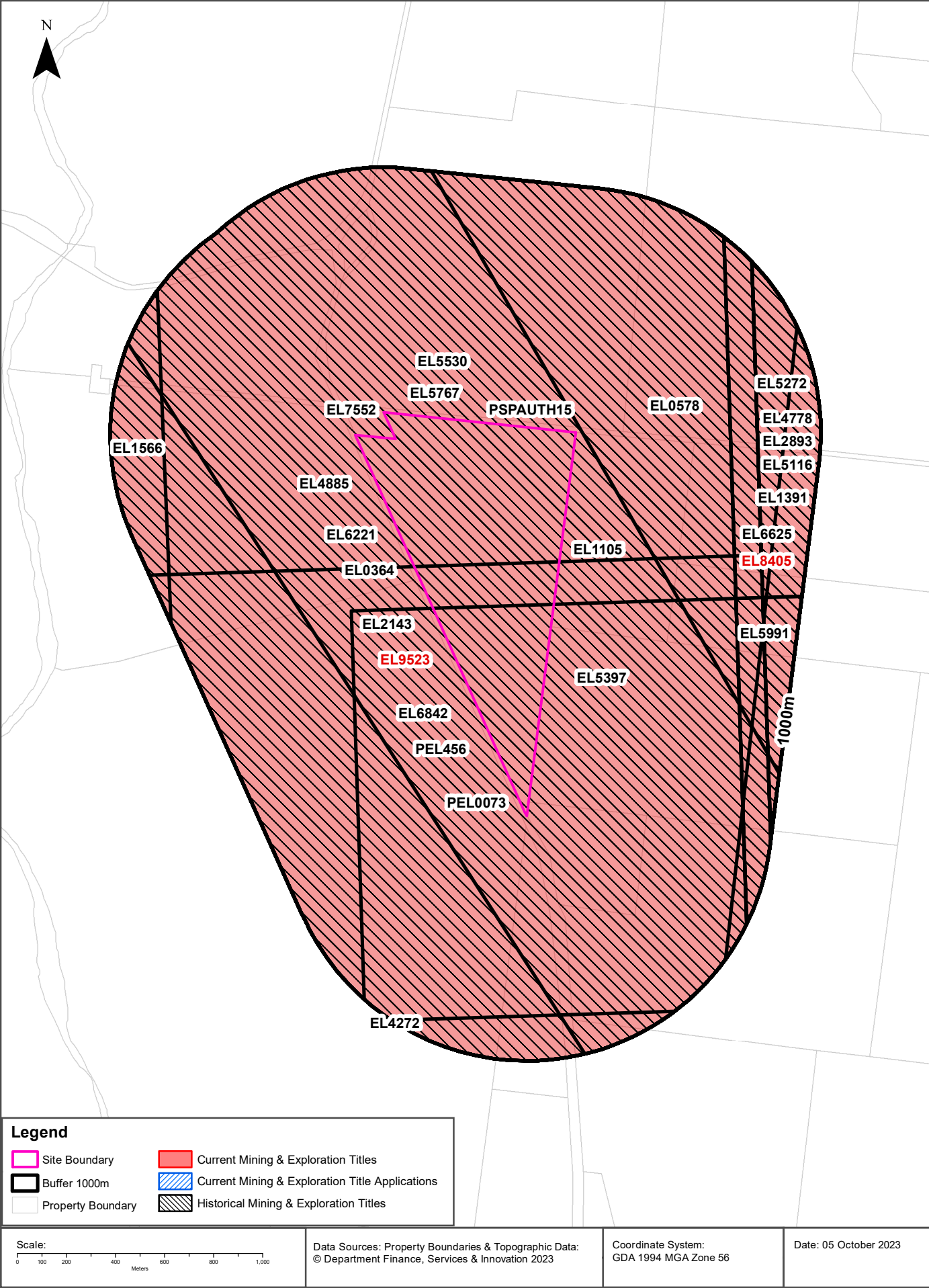
313 Magpie Lane, Galambine, NSW 2850

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)
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Mining

313 Magpie Lane, Galambine, NSW 2850

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
EL9523	BELARAROX LIMITED	07/02/2023	07/02/2029	20230207	EXPLORING	MINERALS	Group 1	0m	On-site
EL8405	BOWDENS SILVER PTY LIMITED	04/11/2015	04/11/2024	20190423	EXPLORING	MINERALS	Group 1	630m	East

Current Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: © State of New South Wales through NSW Department of Industry

Mining

313 Magpie Lane, Galambine, NSW 2850

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
EL1105	CHEVIOT MINING PTY LIMITED	19780501	19790201	MINERALS	Sn Au	0m	On-site
EL5767	DIAMONEX LIMITED	20000824	20020823	MINERALS	Diamond	0m	On-site
EL5530	RESOLUTE LIMITED	19981020	20001019	MINERALS	Au Cu	0m	On-site
EL6221	NEW SOUTH RESOURCES LIMITED	20040331	20130527	MINERALS	Au Diamond	0m	On-site
PEL0073	WOOD, A.J.			PETROLEUM	Petroleum	0m	On-site
PSPAUTH15	MACQUARIE ENERGY PTY LTD	20070803	20080703	PETROLEUM	Petroleum	0m	On-site
PEL456	HUNTER GAS PTY LTD, SANTOS QNT PTY.LTD.	20080305	20130215	MINERALS		0m	On-site
EL4885	SEDIMENTARY HOLDINGS NL	19950817	19970816	MINERALS	Diamond	0m	On-site
EL2143	ESVALE PTY LIMITED	19840101	19870101	MINERALS	Au	0m	On-site
EL7552	NEO RESOURCES LIMITED	20100521	20140521	MINERALS	Au Sb Cu	0m	On-site
EL6842	OROYA MINING LIMITED	20070730	20090319	MINERALS	Au Sb As	0m	On-site
EL0364	GLENDALE EXPLORATION NL	19701101	19721101	MINERALS	Cu Pb Zn Sb	0m	On-site
EL5397	RIO TINTO EXPLORATION PTY LIMITED	19971204	19991108	COAL	Coal	0m	On-site
EL0578	ESSO EXPLORATION & PRODUCTION AUSTRALIA INC	19730101	19770101	MINERALS	Cu Pb Zn	22m	North East
EL6625	OROYA MINING LIMITED	20060906	20090410	MINERALS	Au Sb	630m	East
EL5991	JAGUAR MINERALS LIMITED	20020912	20130912	MINERALS	Au Cu	734m	South East
EL5272	PHILLIPS, Millie	19970408	19980919	MINERALS	Au	740m	East
EL2893	INTERNATIONAL MINING CORPORATION N L	19870701	19930701	MINERALS	Au	740m	East
EL5116	PHILLIPS, Millie	19960920	19980919	MINERALS		740m	East
EL4778	INTERNATIONAL MINING CORPORATION N L	19950202	19960201	MINERALS	Au	740m	East
EL1566	MONARCH PETROLEUM NL	19800901	19830301	MINERALS		782m	West
EL1391	BASE MINES LIMITED	19800701	19800901	MINERALS	Cu Pb Zn Au Ag	848m	East
EL4272	NEPEAN QUARRIES PTY LTD	19920522	19940521	MINERALS	Au	996m	South

Historical Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

State Environmental Planning Policy

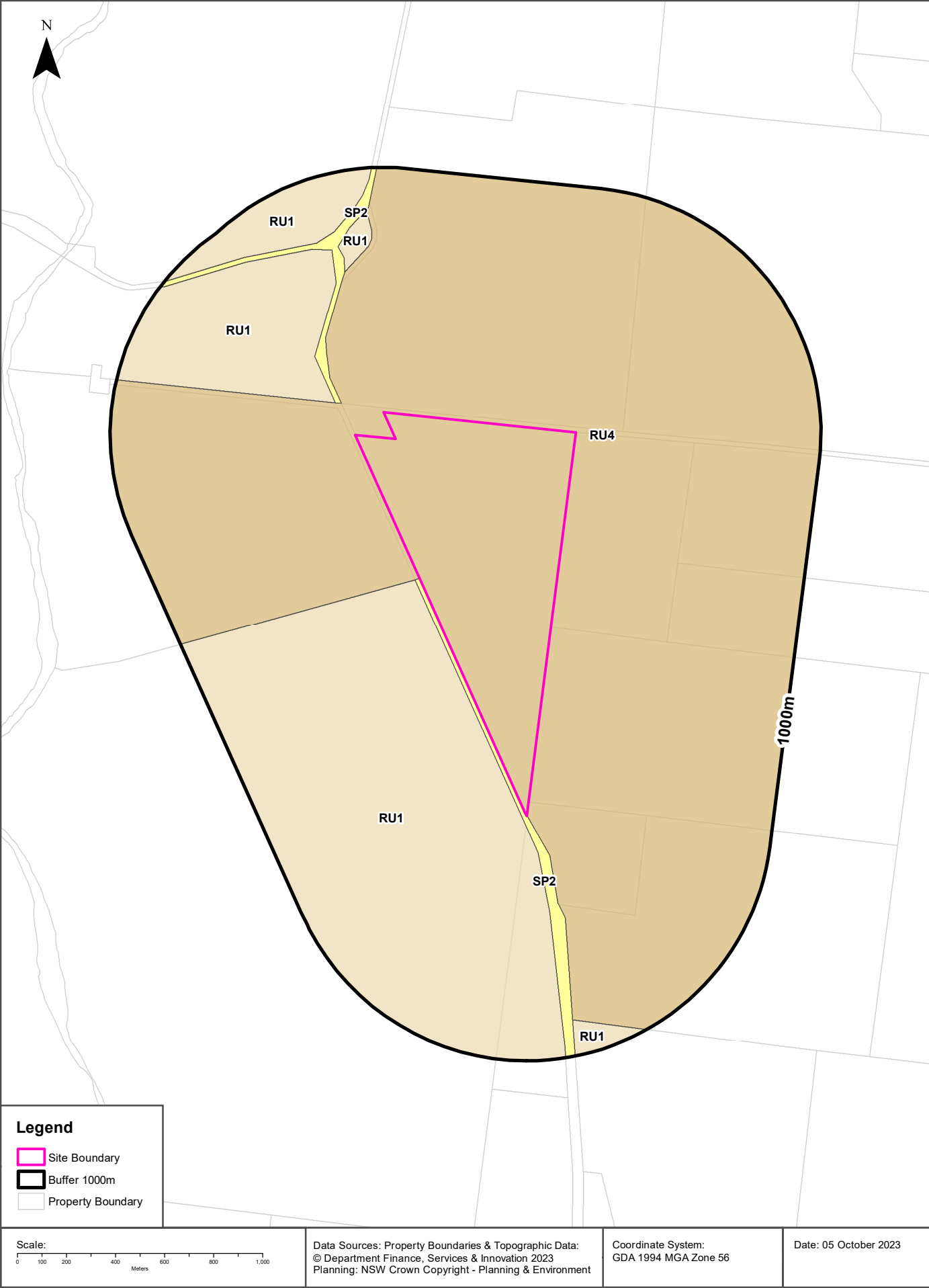
313 Magpie Lane, Galambine, NSW 2850

State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

State Environment Planning Policy Data Source: NSW Crown Copyright - Planning & Environment
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Environmental Planning Instrument

313 Magpie Lane, Galambine, NSW 2850

Land Zoning

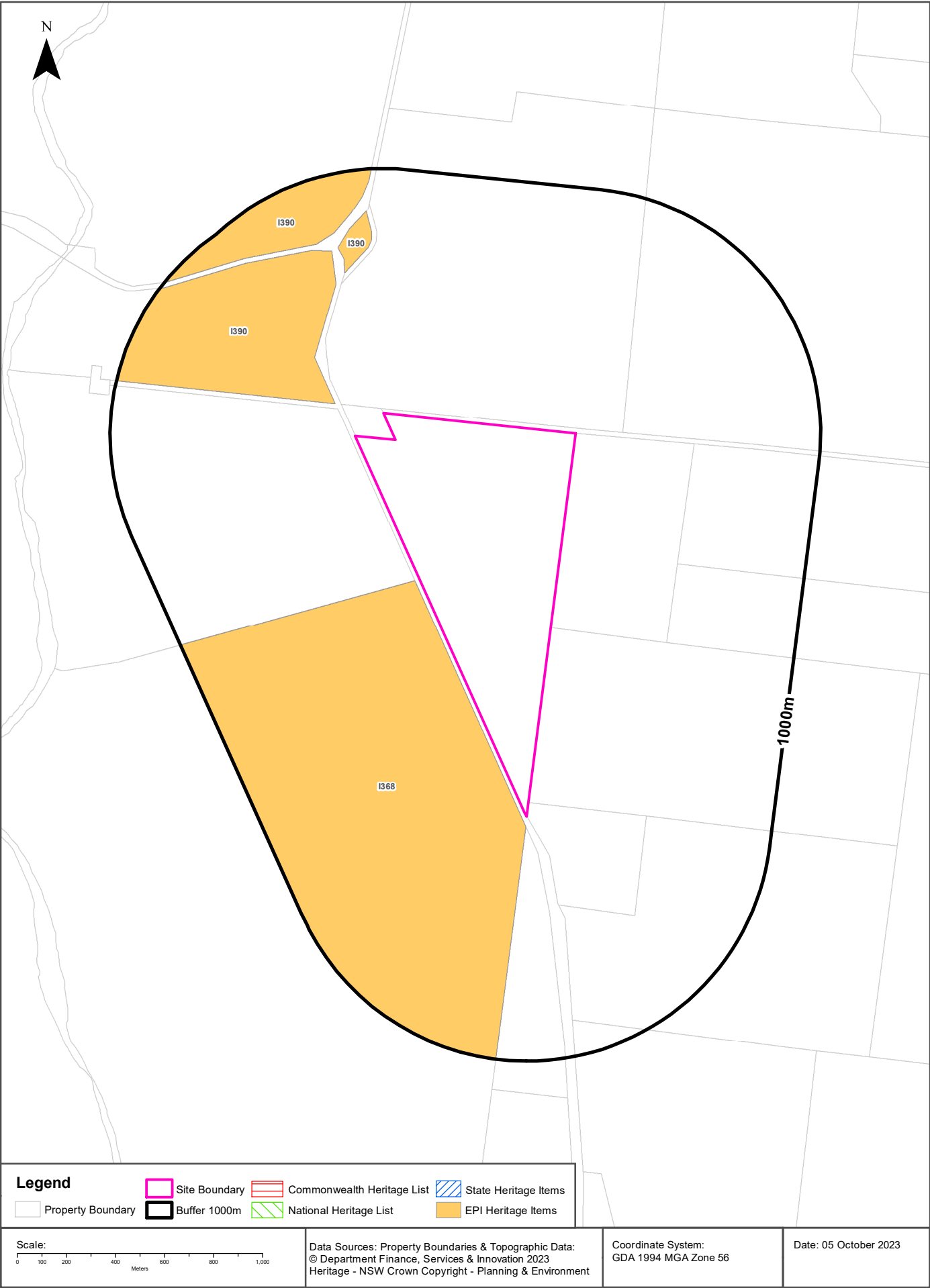
What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RU4	Primary Production Small Lots		Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	0m	On-site
SP2	Infrastructure	Classified Road	Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	0m	South
RU1	Primary Production		Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	20m	South West
SP2	Infrastructure	Classified Road	Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	143m	North West
RU1	Primary Production		Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	596m	North
RU1	Primary Production		Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	742m	North West
RU1	Primary Production		Mid-Western Regional Local Environmental Plan 2012	21/04/2023	26/04/2023	12/05/2023	Map Amendment No 8	851m	South

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Heritage Items

313 Magpie Lane, Galambine, NSW 2850



Heritage

313 Magpie Lane, Galambine, NSW 2850

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?

Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I368	Biraganbil homestead	Item - General	Local	Mid-Western Regional Local Environmental Plan 2012	10/08/2012	10/08/2012	22/11/2019	20m	South West
I390	Guntawang homestead	Item - General	Local	Mid-Western Regional Local Environmental Plan 2012	10/08/2012	10/08/2012	22/11/2019	156m	North West
I390	Guntawang homestead	Item - General	Local	Mid-Western Regional Local Environmental Plan 2012	10/08/2012	10/08/2012	22/11/2019	596m	North

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I390	Guntawang homestead	Item - General	Local	Mid-Western Regional Local Environmental Plan 2012	10/08/2012	10/08/2012	22/11/2019	742m	North West

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Natural Hazards

313 Magpie Lane, Galambine, NSW 2850

Bush Fire Prone Land

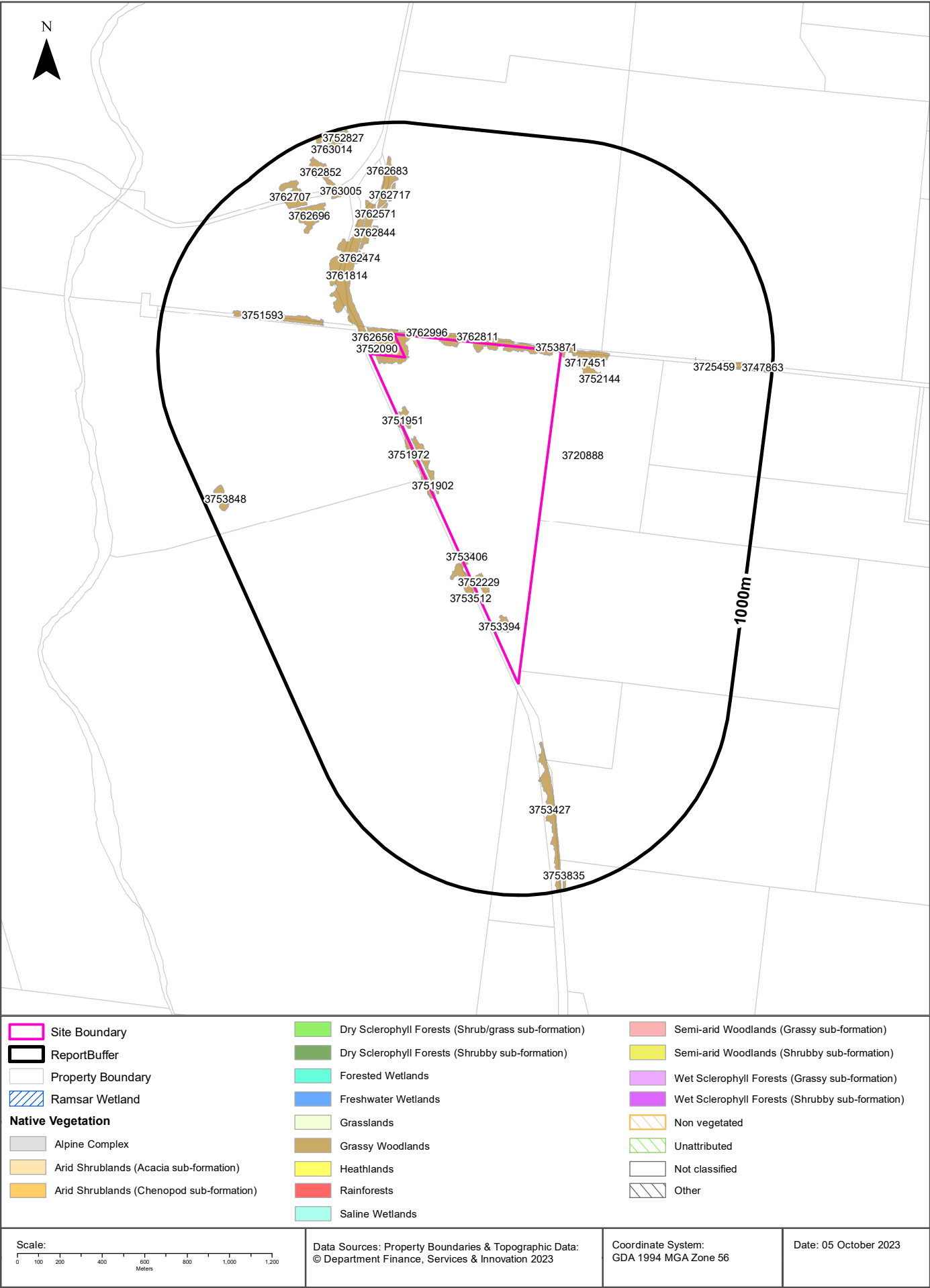
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
No records in buffer		

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation & Ramsar Wetlands

313 Magpie Lane, Galambine, NSW 2850



Ecological Constraints

313 Magpie Lane, Galambine, NSW 2850

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
3720888	Not classified	(Not classified) Not classified	Not classified	0m	On-site
3751902	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3751951	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3751972	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3752090	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3752229	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3753394	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3753406	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3753512	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3753871	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3762656	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3762811	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	0m	On-site
3762996	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	1m	North West
3752144	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	33m	North East
3761814	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	95m	North West
3717451	Not classified	(Not classified) Not classified	Not classified	114m	North East
3751593	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	257m	North West
3753427	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	296m	South
3762474	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	377m	North West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
3762571	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	432m	North West
3762844	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	460m	North West
3762683	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	601m	North
3762696	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	626m	North West
3762717	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	629m	North
3725459	Grassy Woodlands	(Grassy Woodlands) Western Grey Box - cypress pine shrub grass shrub tall woodland in the Brigalow Belt South Bioregion	Floodplain Transition Woodlands	632m	East
3763005	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	699m	North West
3762707	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	739m	North West
3747863	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	745m	East
3762852	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	751m	North West
3753848	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	887m	West
3763014	Grassy Woodlands	(Grassy Woodlands) Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Western Slopes Grassy Woodlands	909m	North West
3753835	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	910m	South
3752827	Grassy Woodlands	(Grassy Woodlands) Blakelys Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	Western Slopes Grassy Woodlands	932m	North West

Native Vegetation Type Map : NSW Department of Planning and Environment 2022

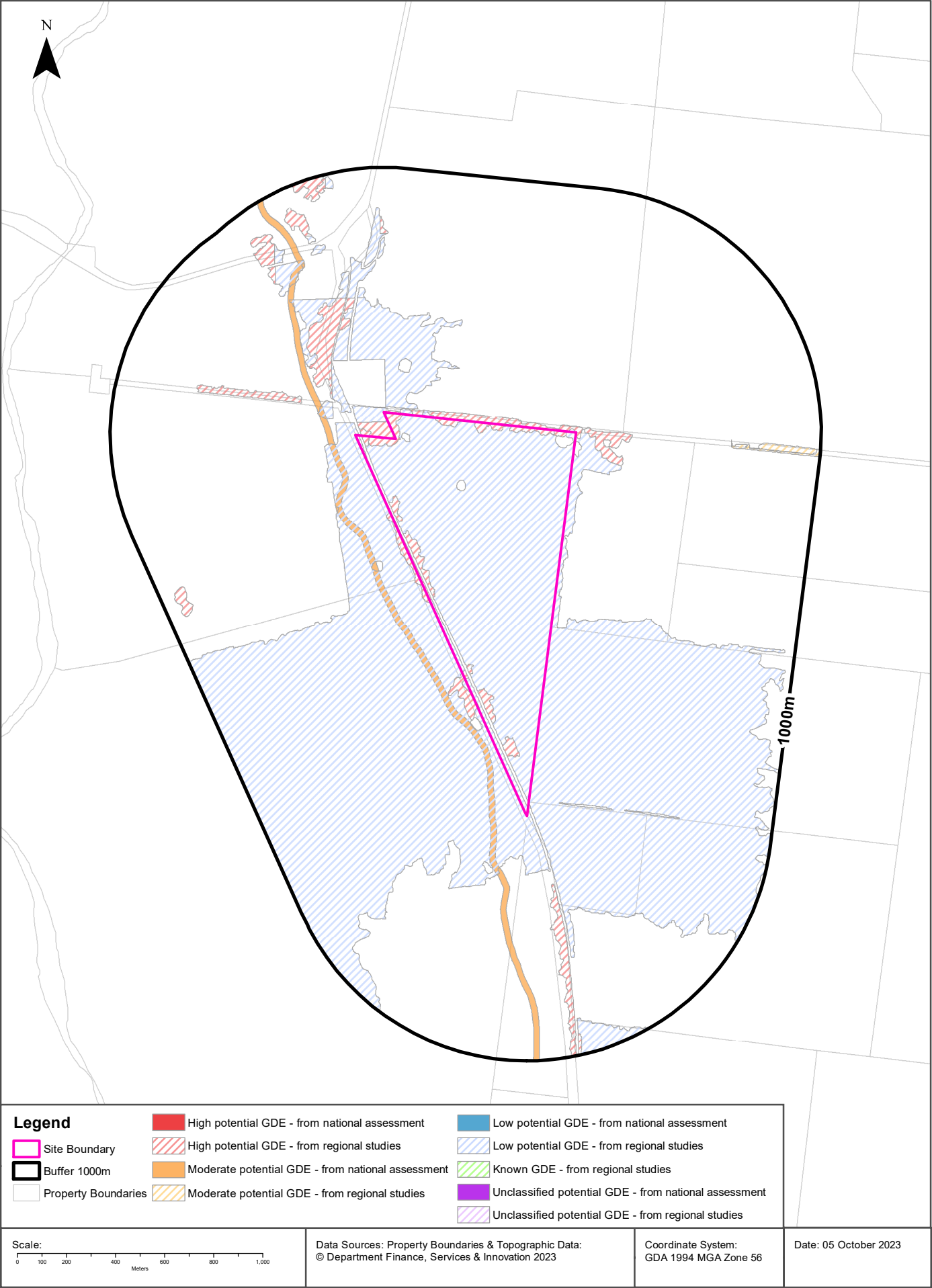
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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

Map Id	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Agriculture, Water and the Environment



Ecological Constraints

313 Magpie Lane, Galambine, NSW 2850

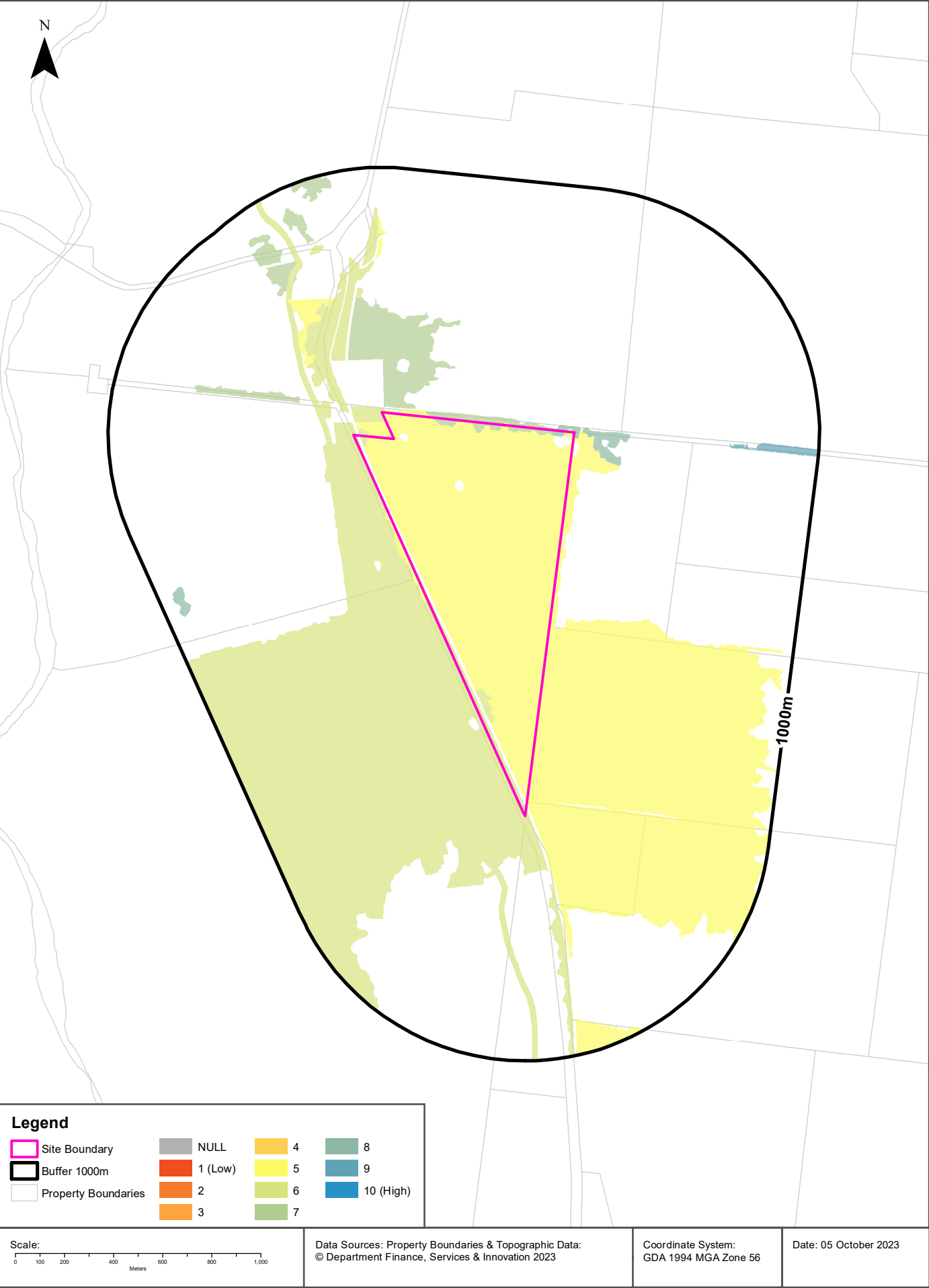
Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	High potential GDE - from regional studies	Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Terrestrial	Moderate potential GDE - from regional studies	Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Terrestrial	Low potential GDE - from regional studies	Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Aquatic	Moderate potential GDE - from national assessment	Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	River		32m	South West

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

313 Magpie Lane, Galambine, NSW 2850



Ecological Constraints

313 Magpie Lane, Galambine, NSW 2850

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		5 Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Terrestrial		7 Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Terrestrial		8 Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Terrestrial		6 Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		0m	On-site
Aquatic		6 Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	River		32m	South West
Terrestrial		9 Granitic and basaltic tablelands and minor lowlands; includes the Canobolas dissected volcanic pile.	Vegetation		632m	East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

313 Magpie Lane, Galambine, NSW 2850

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Melanodryas cucullata cucullata	Hooded Robin (south-eastern form)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheath-tail-bat	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia ausfeldii	Ausfeld's Wattle	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Diuris tricolor	Pine Donkey Orchid	Vulnerable	Category 2	Not Listed	
Plantae	Flora	Swainsona sericea	Silky Swainson-pea	Vulnerable	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

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Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

LC Code	Location Confidence
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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Appendix D

HISTORICAL TITLE SEARCH

