

Information sheet for environmental audits and preliminary risk screen assessments (PRSAs)



Publication 2009 June 2021

Victoria's audit system

An environmental audit system has operated in Victoria since 1989. The *Environment Protection Act 2017* (the Act) provides for the appointment of environmental auditors. It also provides for Environment Protection Authority (EPA or the Authority) to have a system of preliminary risk screen assessments (PRSAs) and environmental audits. These are used in the planning, approval, regulation and management of activities, and in protection of human health and the environment.

Under the Act, the functions of an environmental auditor include to:

- conduct PRSAs and environmental audits
- prepare and issue PRSA statements and reports, and environmental audit statements and reports.

The purpose of a PRSA is to:

- assess the likelihood of the presence of contaminated land
- determine if an environmental audit is required
- recommend a scope for the environmental audit if an environmental audit is required.

The purpose of an environmental audit is to:

- assess the nature and extent of the risk of harm to human health or the environment from contaminated land, waste, pollution, or any activity
- recommend measures to manage the risk of harm to human health or the environment from contaminated land, waste, pollution, or any activity
- make recommendations to manage any contaminated land, waste, pollution or activity.

Upon completion, all PRSAs and environmental audits require preparation of either a PRSA statement, accompanied by a PRSA report, or an environmental audit statement, accompanied by an environmental audit report.

A person may engage an environmental auditor to conduct a PRSA or an environmental audit.

EPA administers the environmental audit system and ensures an acceptable quality of environmental auditing is maintained. This is achieved by assessing auditor applications and conducting a quality assurance program. These measures ensure that PRSAs and environmental audits that environmental auditors undertake are completed in accordance with the relevant sections of the Act or any other Act, and with the guidelines the Authority or other government agencies have published.

Information sheet for environmental audits and preliminary risk screen assessments (PRSAs)

File structures

EPA stores digital statements and reports from PRSAs and environmental audits in three parts:

- Part A, the PRSA or environmental audit report
- Part B, report appendices
- Part C, the PRSA statement and executive summary or environmental audit statement and executive summary.

Report executive summaries, findings and recommendations should be read and relied upon only in the context of the whole document, including any appendices and the PRSA statement or environmental audit statement.

Currency of PRSAs and environmental audits

PRSAs and environmental audits are based on the conditions encountered and information reviewed at the time of preparation. They don't represent any changes that may have occurred since the completion date. As it's not possible for the PRSA or audit report to present all data that could be of interest to all readers, consideration should be made to any appendices or referenced documentation for further information.

When information about the site changes from what was available at the time the PRSA or environmental audit was completed, or where an administrative error is identified, an environmental auditor may amend or withdraw PRSA or environmental audit statements and/or reports. Users are advised to check EPA's website to ensure documents' currency.

PDF searchability and printing

EPA can only provide PRSAs and environmental audit statements, reports and appendices that the environmental auditor provided to EPA via the EPA portal on the EPA website.

All statements and reports should be in a Portable Document Format (PDF) and searchable; however at times some appendices may be provided as image-only PDFs, which can affect searchability.

The PDF is compatible with Adobe Acrobat Reader, which is downloadable free from Adobe's Website (www.adobe.com).

Further information

For more information on Victoria's environmental audit system, visit EPA's website or contact EPA's Environmental Audit Unit.

Web: www.epa.vic.gov.au

Email: environmental.audit@epa.vic.gov.au



For languages other than English, please call **131 450**.

Visit epa.vic.gov.au/language-help for next steps.

If you need assistance because of a hearing or speech impairment, please visit relayservice.gov.au

Appendix B: SITE VISIT PHOTOGRAPHS

PHOTOS FROM SITE VISIT – 25 JANUARY 2022

Subject: Photos of site visit – refer site sketches for photograph locations



Held on: 25 January 2022

At: 34 Lomandra Drive, Kialla

Prepared by: Phil Sinclair





Item	Particulars	Action	Date
19	Chimney observed but source not assessed	Request information from landowner	28-Jan-22
		Owner advised chimney was attached to wood-fired pot belly stove used for preserving tomato passata	28-Jan-22

Refer to Site plans 1 and 2 for locations of each photo

1-5	Images of landfill site north of 34 Lamandra Drive, Kialla.	
1		Photo of old landfill site located on River Road West, Kialla (looking west)
2		Photo of old landfill site located on River Road West, Kialla (looking north-west)

3		Photo of old landfill site located on River Road West, Kialla (looking north)
4		Photo of old landfill site located on River Road West, Kialla (looking north-east)
5		Photo of old landfill site located on River Road West, Kialla (looking east)
6-53	Images of 34 Lomandra Drive and adjacent land	
6		Rear of Lot 1 looking west - building materials



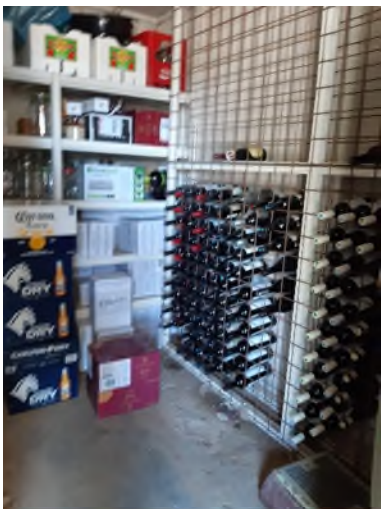
7		Rear of Lot 1 looking south - building materials
8		Rear of Lot 1 looking east towards western shed- building materials
9		Rear of Lot 1 looking southeast - building materials
10		Rear of Lot 1 looking east, close to southern boundary - building materials

11		<p>Rear of Lot 1 looking east on southern boundary, new fence visible (Lot 3 which is continuing residential is to right of picture)</p>
12		<p>Rear of Lot 1 looking north west. Tractor and skip are proposed to be moved with Lot 1 boundary</p>
13		<p>Rear of Lot 1 closer to western shed - sorted and stockpiled building materials</p>
14		<p>Rear of Lot 1 looking east at northern part of western shed - sorted and stockpiled building materials</p>

15		Rear of Lot 1 looking south - sorted and stockpiled building materials
16		Rear of Lot 1 close to western shed on southern boundary looking east. Staff BBQ area.
17		Rear of Lot 1 looking into western shed from the west.
18		Rear of Lot 1 looking into western shed from the west.

19		View of former dairy looking south east (showing heater or boiler chimney). Boundary between Lot 1 and Lot 2 is approximately where pin is located in middle of foreground
20		View from mid-northern part of Lot 2 (on Lot 1 boundary) looking east
21		Former dairy, looking into room on north western corner. Inert storage (based on appearance)

22		View from north into passage that separates eastern and western part of former dairy shed, showing relatively limited amounts of agricultural / horticultural chemicals
23		Close up view of herbicide container (basta - non-selective herbicide). The active ingredient is glufosinate-ammonium
24		Close up view of herbicide container (Gladiator Optimax - non-selective herbicide). The active ingredient is glyphosate

25		Close up view of garden sprayer package
26		View of range of horticultural / garden chemicals, insecticides, paints etc Typical of domestic amounts)
27		View into room in SW corner of former dairy. Wine, beer, preserving equipment storage





28		View looking north of gas bottles (most likely for forklift) on SE corner of container SE of former dairy
29		East of former dairy showing cut off posts of dairy holding yard
30		Looking south from location SE of former dairy towards Lot 3 (residential land)
31		Looking SW from location SE of former dairy along southern subdivision boundary

32		Looking north into steel shed (to be removed) showing contents, welder, forklift, trailer, rollers, gas bottles, bench, tools etc.
33		Longer view looking north into steel shed (to be removed) showing contents.
34		View looking east from front of Lot 2 across adjoining land
35		View looking south from front of Lot 2 across adjoining land

36		View from front of Lot 2 looking SW into Lot 3 (to remain residential)
37		View looking west from front of Lot 2 into steel shed (to be removed) showing trailer / wagon for moving steel, welder, forklift
38		View looking NW from front of Lot 2 into steel shed (to be removed) showing workbench

39		View looking NW from front of Lot 2 into steel shed (to be removed) showing workbench
40		View looking west along northern allotment boundary (along easement E-1 shown on Title documents)
41		View looking west along northern allotment boundary (along easement E-1 shown on Title documents)

42		View looking NE from front of Lot 2 across adjoining land
43		View looking N from front of Lot 2 across adjoining land
44		View looking north through 'verandah' on northern side of former dairy
45		New cement sheet on front wall of former dairy; considered unlikely to be ACM

46		New cement sheet on front wall of former dairy; considered unlikely to be ACM
47		New cement sheet on front wall of former dairy; considered unlikely to be ACM
48		Suspected asbestos cement sheet on roof of walkway where chemicals are stored in former dairy
49		Suspected asbestos cement sheet in storeroom on NW corner of former dairy

50		Suspected asbestos cement sheet on top part of rear wall of former dairy
51		Suspected asbestos cement sheet on wall in wine store (SW room in former dairy)
52		Suspected asbestos cement sheet on ceiling of wine store (SW room in former dairy)
53		Suspected asbestos cement sheet of ceiling of wine store (SW room in former dairy)

Photo location plan 1 (Photos 1-5) - former landfill located about 500m north of 34 Lomandra Drive
(Source - Lotsearch)

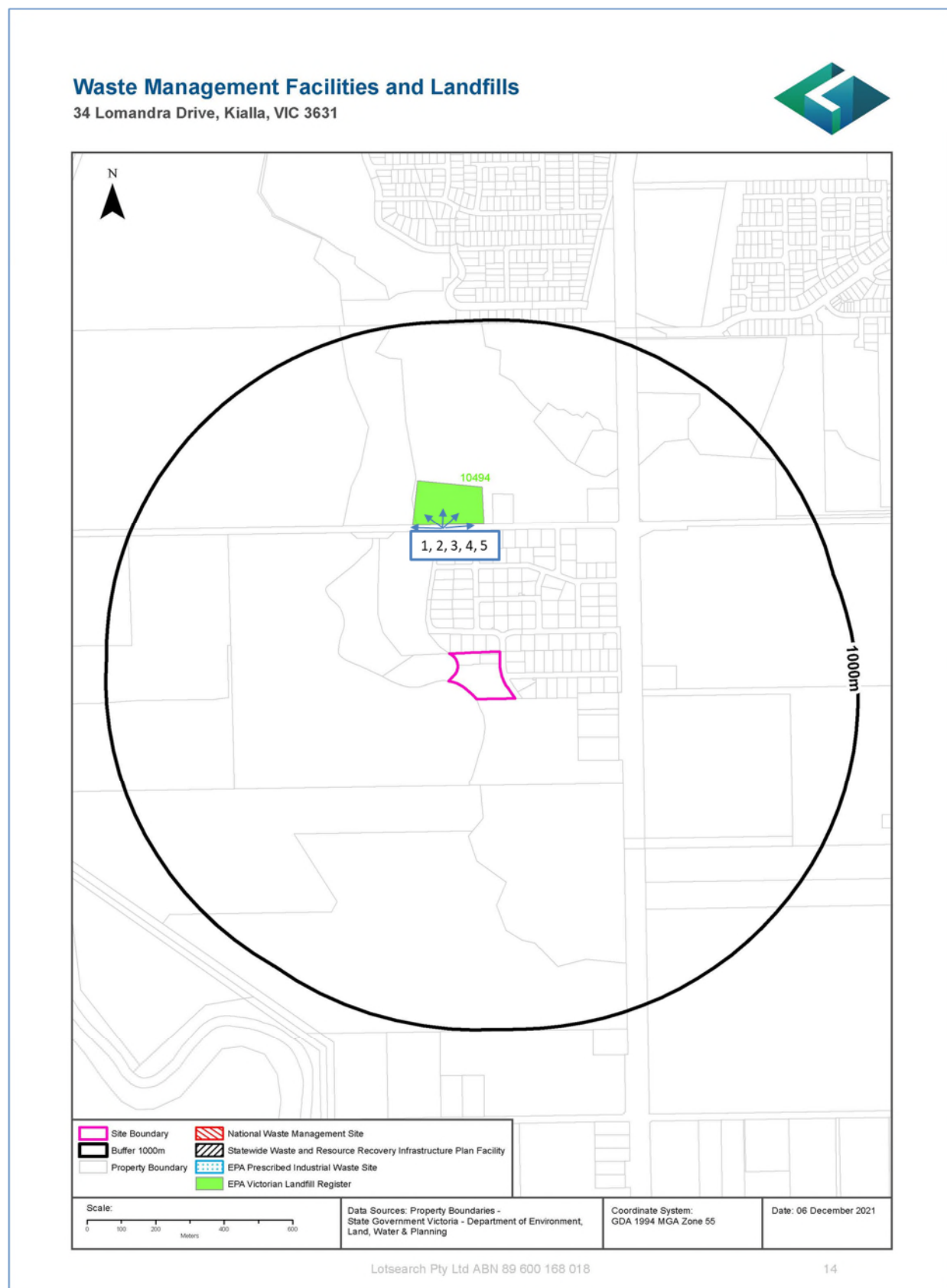
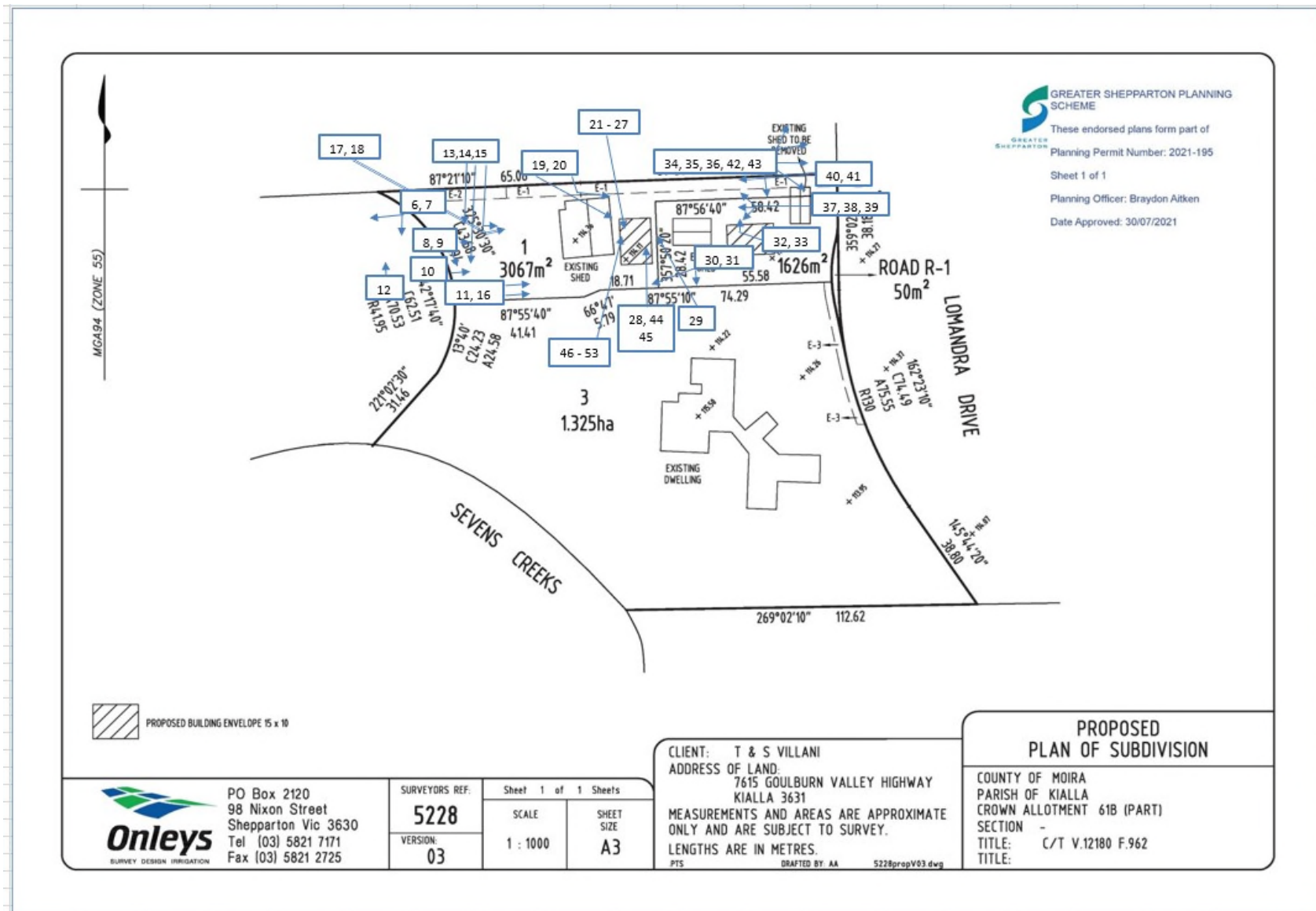


Photo location plan 2 (Photos 6-53) - 34 Lomandra Drive and surrounds, Kialla
(Source - Endorsed Title documents)



Appendix C: LOTSEARCH REPORT



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 11 Feb 2022 13:53:39

Reference: LS029183 EP

Address: 34 Lomandra Drive, Kialla, VIC 3631

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

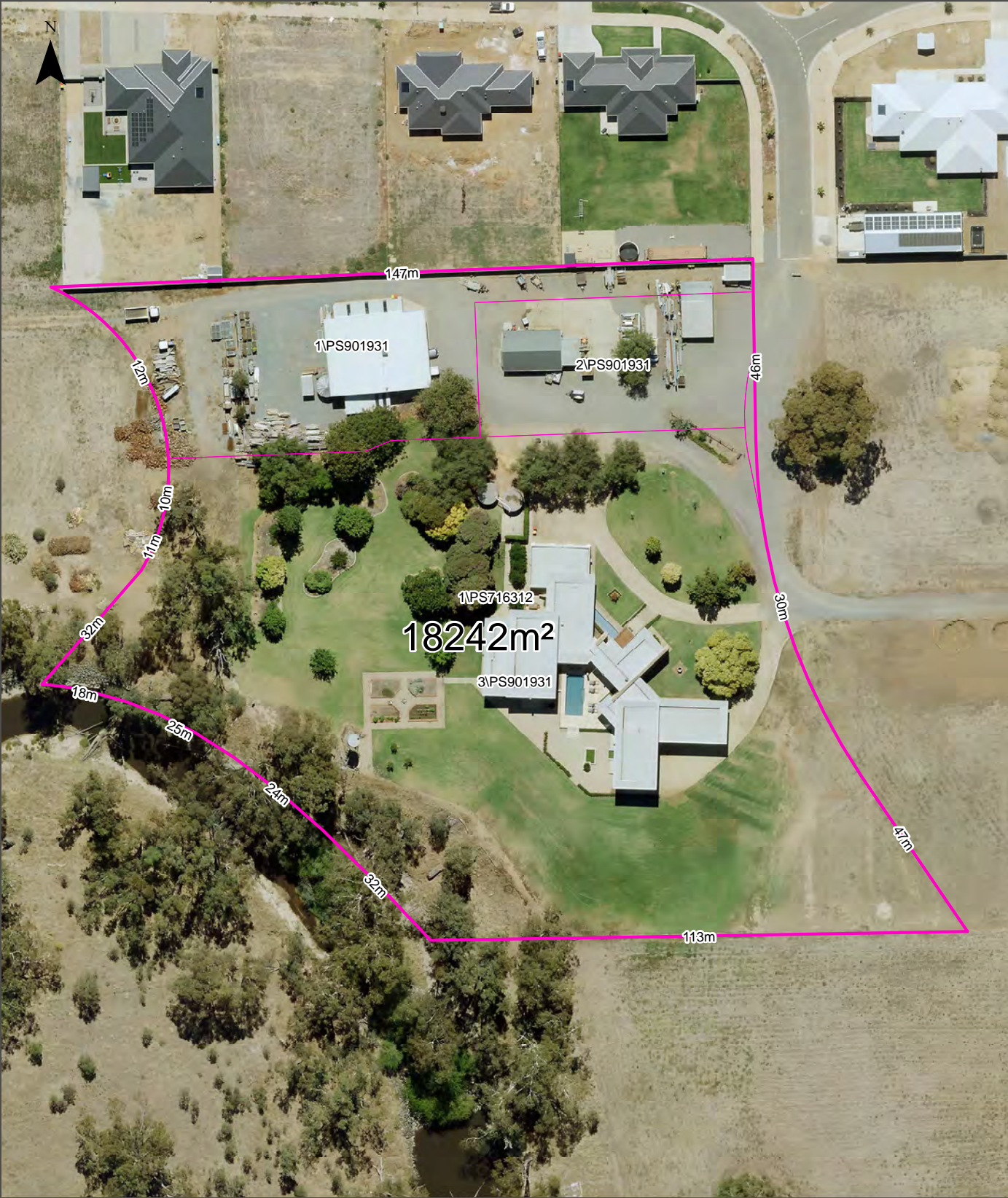
Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Topographic and Cadastre data	State Government Victoria - Department of Environment, Land, Water & Planning	28/01/2022	28/01/2022	Monthly	-	-	-	-
Current EPA Priority Sites	Environment Protection Authority (Vic)	19/10/2021	19/10/2021	Monthly	1000m	0	0	0
Former EPA Priority Sites & other Remedial Notices	Environment Protection Authority (Vic)	04/10/2021	01/09/2021	Monthly	1000m	0	0	0
EPA PFAS Site Investigations	Environment Protection Authority (Vic)	28/09/2021	18/09/2020	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	28/01/2022	28/01/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	28/01/2022	28/01/2022	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	09/02/2022	09/02/2022	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	06/01/2022	06/01/2022	Quarterly	2000m	0	0	0
EPA Environmental Audit Reports	Environment Protection Authority (Vic)	13/01/2022	13/01/2022	Monthly	1000m	0	0	2
EPA Groundwater Zones with Restricted Uses	Environment Protection Authority (Vic)	24/01/2022	24/01/2022	Monthly	1000m	0	0	0
Current EPA Licensed Activities	Environment Protection Authority (Vic)	13/01/2022	13/01/2022	Monthly	1000m	0	0	0
Former EPA Licensed Activities	Environment Protection Authority (Vic)	13/01/2022	13/01/2022	Monthly	1000m	0	0	0
EPA Works Approvals	Environment Protection Authority (Vic)	31/01/2022	31/01/2022	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	12/05/2021	07/03/2017	Annually	1000m	0	0	0
Statewide Waste and Resource Recovery Infrastructure Plan Facilities	State Government Victoria - Department of Sustainability	27/11/2014	31/12/2012	None planned	1000m	0	0	0
EPA Prescribed Industrial Waste	Environment Protection Authority (Vic)	12/08/2020	12/08/2020	Quarterly	1000m	0	0	0
EPA Victorian Landfill Register	Environment Protection Authority (Vic)	31/01/2022	25/08/2020	Quarterly	1000m	0	0	1
Former Gasworks	Various historical sources collated by Lotsearch	15/08/2017	15/08/2017	Not required	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	15/02/2021	15/03/2012	Annually	1000m	0	0	1
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	150m	0	0	0
Historical Business Directories (Road & Area Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	150m	-	0	0
Historical Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	500m	0	0	0
Historical Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	500m	-	0	0
Features of Interest	State Government Victoria - Department of Environment, Land, Water & Planning	29/09/2021	29/09/2021	Quarterly	1000m	0	1	10
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000m	1	1	1
Groundwater Salinity	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0m	1	-	-
Depth to Watertable	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0m	1	-	-
Surface Elevation	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	23/09/2013	Unknown	0m	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
Basement Elevation	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	23/09/2013	Unknown	0m	1	-	-
Groundwater Boreholes WMIS	State Government Victoria - Department of Environment, Land, Water & Planning	23/08/2021	23/08/2021	Quarterly	2000m	0	0	32
Groundwater Boreholes Earth Resources Database	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	20/05/2021	17/02/2010	Annually	2000m	0	0	15
Groundwater Boreholes Fed Uni	Federation University Australia	21/12/2017	07/01/2014	As required	2000m	0	0	0
Historical Mining Activity - Shafts	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	11/05/2021	11/05/2021	Annually	1000m	0	0	0
Geological Units 1:250,000	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000m	2	2	2
Geological Structures 1:250,000	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000m	0	0	0
Shear zones 250k	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000m	0	0	0
Atlas of Australian Soils	ABARES	19/05/2017	17/02/2011	As required	1000m	1	1	1
Victorian Soil Type Mapping	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	24/08/2017	21/03/2016	Unknown	1000m	3	3	4
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	2	2	2
Coastal Acid Sulfate Soils	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	28/03/2017	30/03/2011	None planned	1000m	0	0	0
Planning Scheme Zones	State Government Victoria - Department of Environment, Land, Water & Planning	10/02/2022	02/02/2022	Monthly	1000m	2	2	16
Planning Scheme Overlay	State Government Victoria - Department of Environment, Land, Water & Planning	10/02/2022	02/02/2022	Monthly	1000m	6	6	23
Commonwealth Heritage List	Australian Government Department of Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000m	0	0	0
Victorian Heritage Register	State Government Victoria - Department of Environment, Land, Water & Planning	05/08/2021	05/08/2021	Quarterly	1000m	0	0	1
Cultural Heritage Sensitivity	State Government Victoria - Department of Premier and Cabinet	29/09/2021	29/09/2021	Quarterly	1000m	1	1	12
Bushfire Prone Area	State Government Victoria - Department of Transport, Planning and Local Infrastructure	05/08/2021	06/07/2021	Quarterly	1000m	1	1	1
Fire History	State Government Victoria - Department of Environment, Land, Water & Planning	15/11/2021	15/11/2021	Quarterly	1000m	0	0	0
Flood - 1 in 100 Year Modelled Flood Extent	State Government Victoria - Department of Environment, Land, Water & Planning	11/08/2021	05/02/2018	Quarterly	1000m	1	1	1
Victorian Coastal Inundation Sea Level Rise	State Government Victoria - Department of Environment, Land, Water & Planning	10/04/2018	24/10/2017	Unknown	1000m	0	0	0
Native Vegetation (Modelled 2005 Ecological Vegetation Classes)	State Government Victoria - Department of Environment, Land, Water & Planning	13/01/2015	31/12/2005	None planned	1000m	3	3	3
Ramsar Wetland Areas in Victoria	State Government Victoria - Department of Environment, Land, Water & Planning	25/02/2021	13/03/2019	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000m	1	2	2
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000m	4	5	7

Site Diagram

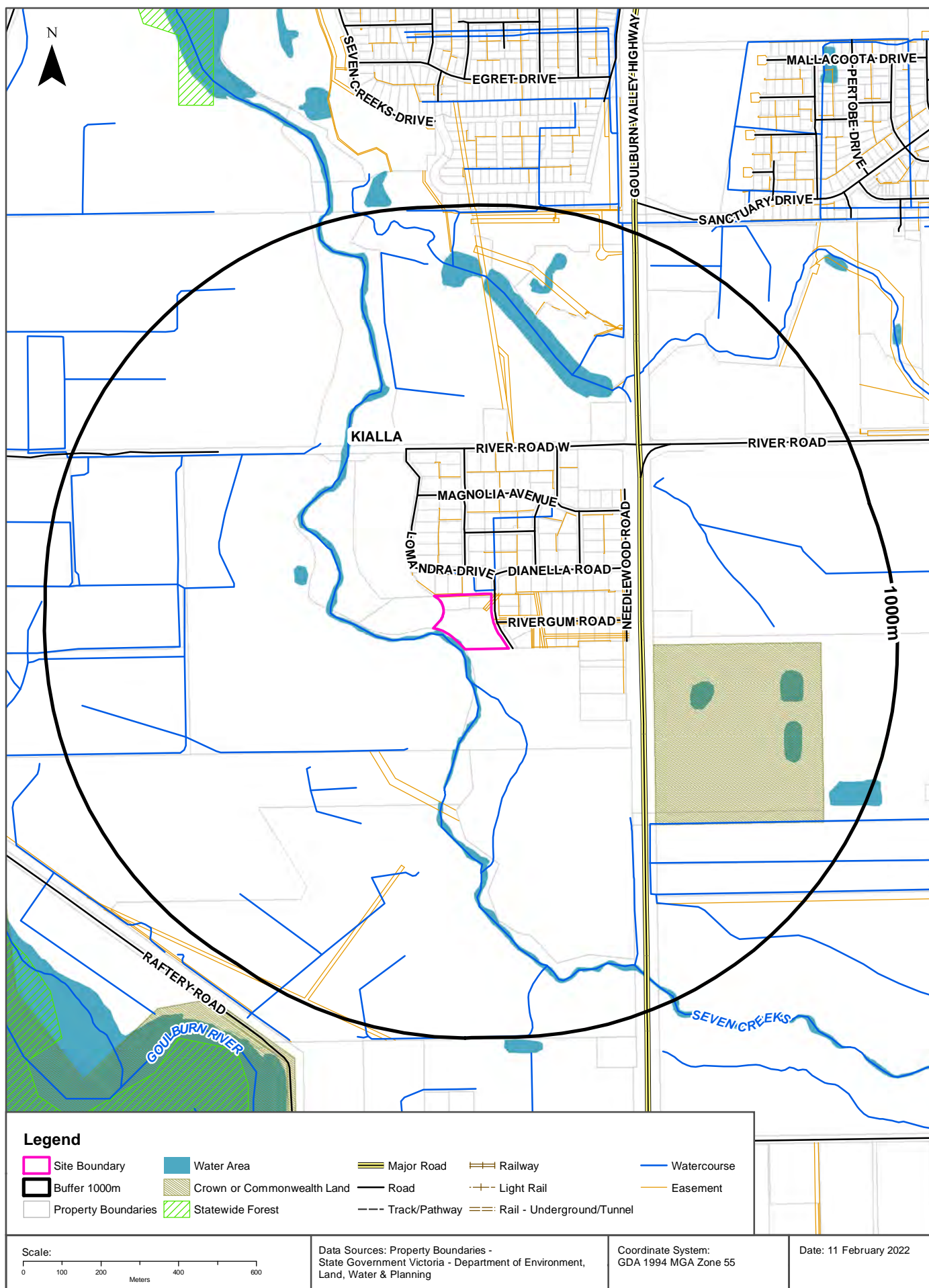
34 Lomandra Drive, Kialla, VIC 3631



Legend <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	Total Area: 18242m² Total Perimeter: 615m	
	Scale: 0 25 50 Meters	
	Data Source Aerial Imagery: © Aerometrex Pty Ltd	
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 55	Date: 11 February 2022

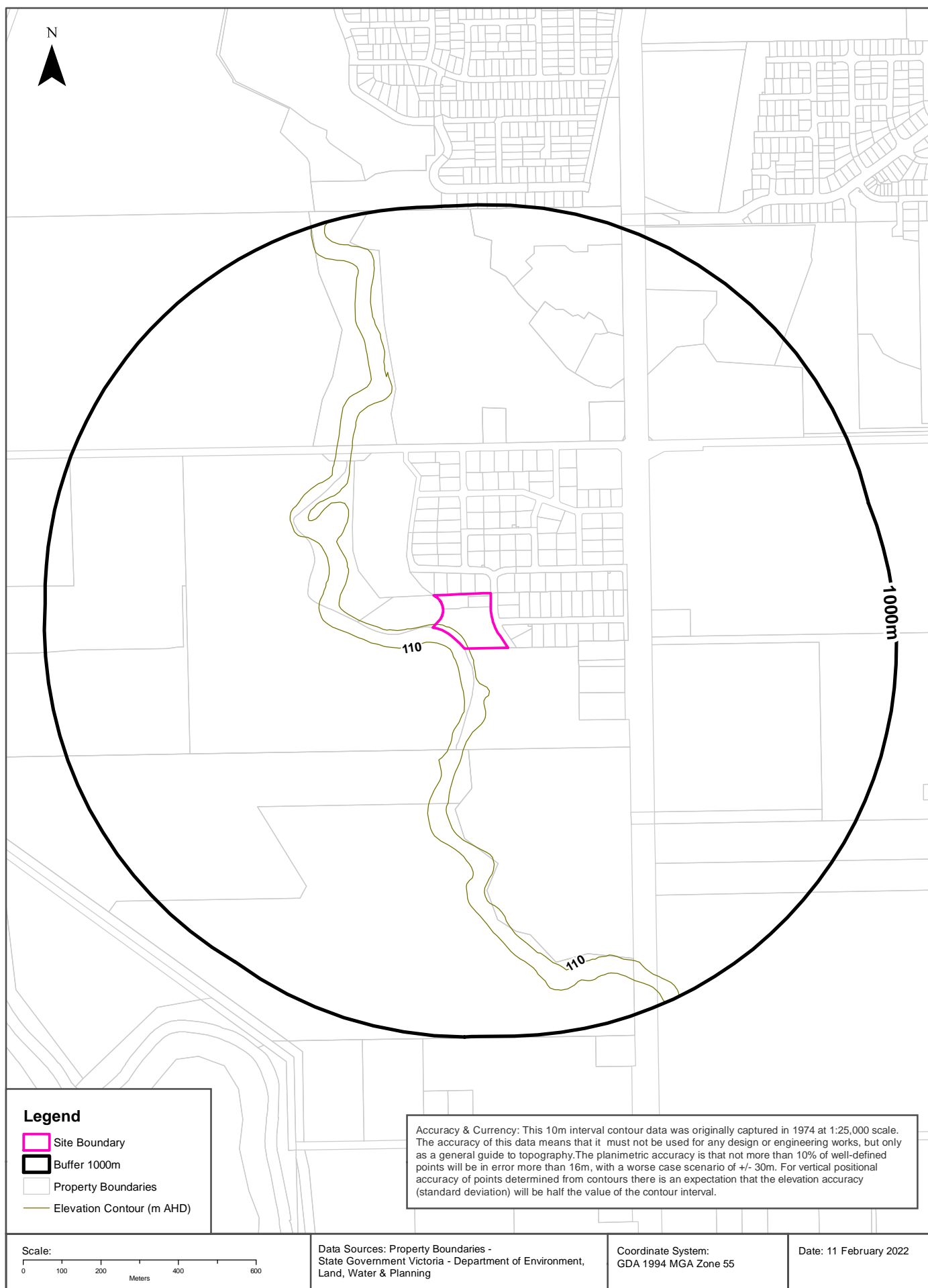
Topographic Data

34 Lomandra Drive, Kialla, VIC 3631



Elevation Contours (m AHD)

34 Lomandra Drive, Kialla, VIC 3631



EPA Priority Sites & Pollution Notices

34 Lomandra Drive, Kialla, VIC 3631

Current EPA Priority Sites Register

Sites on the current EPA priority sites register that exist within the dataset buffer:

Notice No	Address	Suburb	Issue	Loc Conf	Dist (m)	Direction
N/A	No records in buffer					

Priority Sites Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Former EPA Priority Sites & Other Pollution Notices

Sites within the dataset buffer that have been issued a Pollution Notice:

Note. Due to pollution notices being revoked and removed from published lists this is not an exhaustive list of all past pollution notices.

Notice No	Notice Type	Company	Address	Suburb	Status	Issue	Date Issued	Loc Conf	Dist	Dir
N/A	No records in buffer									

Pollution Notice Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

PFAS Investigation & Management Programs

34 Lomandra Drive, Kialla, VIC 3631

EPA PFAS Site Investigations

Sites being investigated by the EPA for PFAS contamination within the dataset buffer:

Map ID	Site Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

EPA PFAS Site Investigations Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Defence PFAS Investigation & Management Program Investigation Sites

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

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

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

Defence PFAS Investigation & Management Program Management Sites

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

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation & 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	Location Confidence	Distance	Direction
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

34 Lomandra Drive, Kialla, VIC 3631

Defence 3 Year Regional Contamination Investigation Program

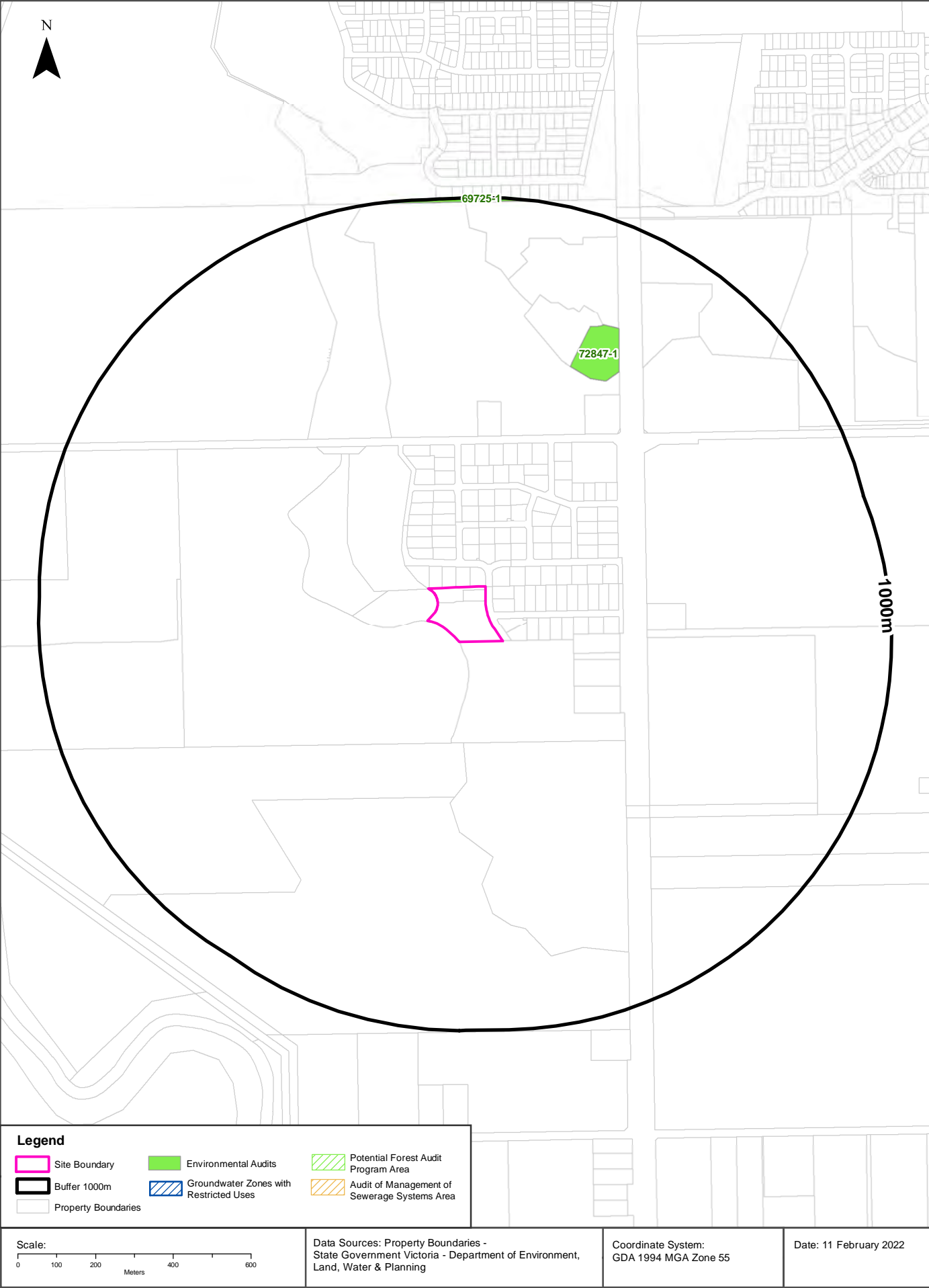
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

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

EPA Records - Audit Reports & GQRUZ

34 Lomandra Drive, Kialla, VIC 3631



EPA Records

34 Lomandra Drive, Kialla, VIC 3631

EPA Environmental Audits

EPA environmental audit records that exist within the dataset buffer:

Note. Please click on CARMS No. to activate a hyperlink to online documentation. If link does not work, documentation may still be accessible via the EPA Interaction Portal.

CARMS No	Transaction No	Site	Address	Suburb	Date Complete	Audit Category	Loc Conf	Distance	Direction
72847-1	8004289	7685 GOULBURN VALLEY HWY	7685 GOULBURN VALLEY HWY	KIALLA	27/06/2014	53X Statement	Premise Match	599m	North East
69725-1	8003185	7745 - 7755 GOULBURN VALLEY HIGHWAY KIAL 7745-7755 GOULBURN VALLEY HWY	SEVEN CREEKS ESTATE 7745-7755 GOULBURN VALLEY HWY	KIALLA	30/08/2011	53X Certificate	Premise Match	990m	North

Environmental Audit Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

EPA Records

34 Lomandra Drive, Kialla, VIC 3631

EPA Groundwater Zones with Restricted Uses

EPA GQRUZ records that exist within the dataset buffer:

Note. Please click on CARMS No. to activate a hyperlink to online documentation.

CARMS No	EPA Id	Site History	Site Address	Restricted Uses	Status	Loc Conf	Distance	Direction
N/A	No records in buffer							

Environmental GQRUZ Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

EPA Activities

34 Lomandra Drive, Kialla, VIC 3631

EPA Licensed Activities

EPA licensed activities that exist within the dataset buffer:

Trans No	Licence No	Licence Type	Organisation	Premise Ref	Premise Address 1	Premise Address 2	Activities	Loc Conf	Dist (m)	Direction
N/A	No records in buffer									

Licensed Activity Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Former EPA Licensed Activities

Former EPA licensed activities that exist within the dataset buffer:

Licence No	Organisation	Premise Address	Suburb	Activities	Loc Conf	Dist (m)	Direction
N/A	No records in buffer						

Former Licensed Activity Data Custodian: State Government Victoria - Environmental Protection Authority (EPA)

EPA Works Approvals

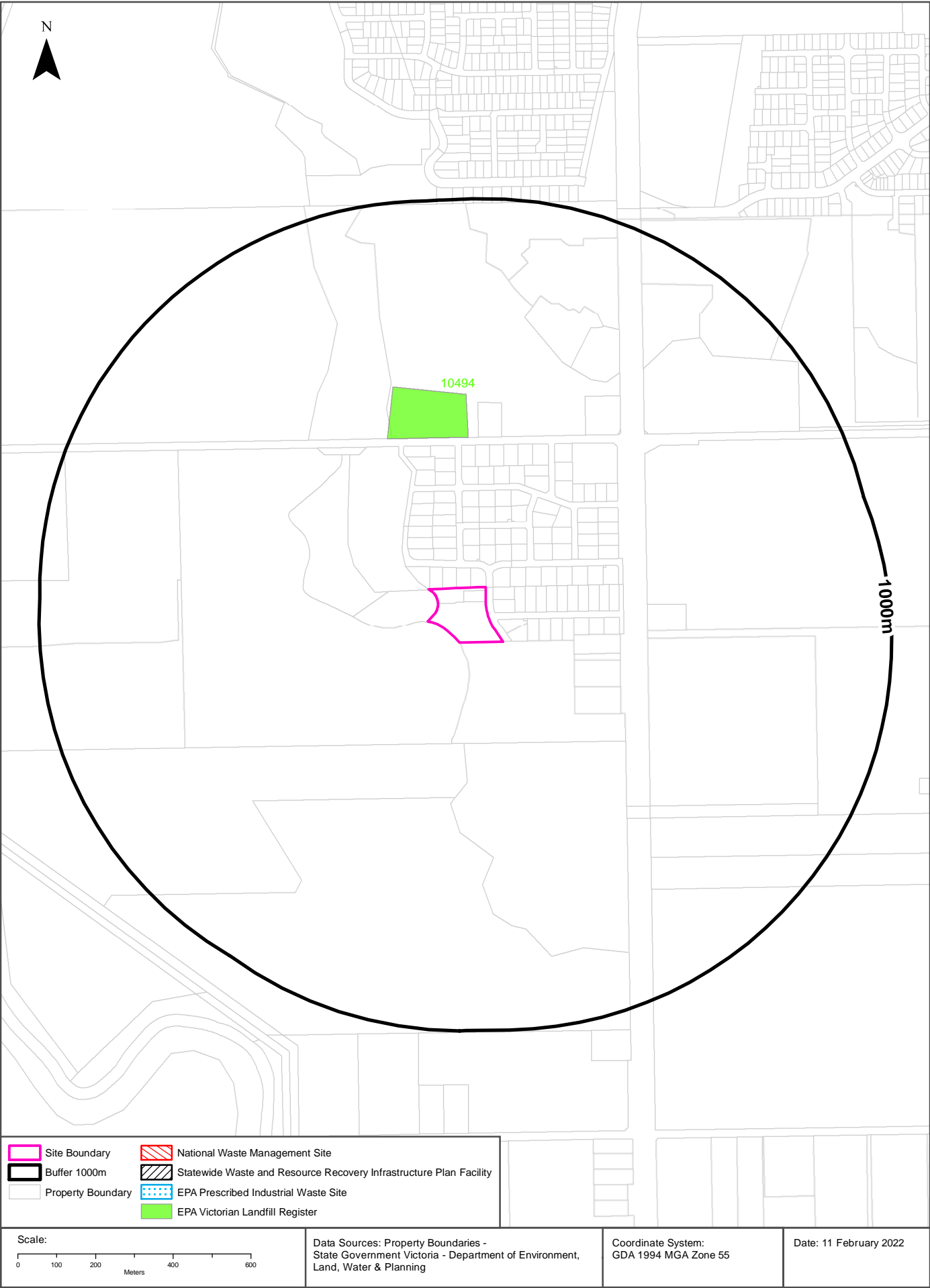
EPA works approvals that exist within the dataset buffer:

Transaction No	Status	Approval No	Organisation	Premise Address	Suburb	Scheduled Categories	Loc Conf	Dist (m)	Direction
N/A	No records in buffer								

Works Approvals Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Waste Management Facilities and Landfills

34 Lomandra Drive, Kialla, VIC 3631



Waste Management Facilities & Landfills

34 Lomandra Drive, Kialla, VIC 3631

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 (m)	Direction
N/A	No records in buffer											

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

Statewide Waste and Resource Recovery Infrastructure Plan Facilities

Statewide Waste and Resource Recovery Infrastructure Plan Facilities within the dataset buffer:

Map Id	Owner	Site Name	Address	Suburb	Category	Sub Category	Loc Conf	Distance	Direction
N/A	No records in buffer								

SWRRIPF Data Source: State Government Victoria - Department of Sustainability

EPA Prescribed Industrial Waste

EPA Prescribed Industrial Waste treaters, disposers and permitted transporters within the dataset buffer:

Map Id	Company Name	Address	Suburb	Treatment /Disposal	Transport	Accredited Agent	EPA List Status	Loc Conf	Dist (m)	Dir
N/A	No records in buffer									

Prescribed Industrial Waste Data Source: State Government Victoria - Environment Protection Authority (EPA)

Waste Management Facilities & Landfills

34 Lomandra Drive, Kialla, VIC 3631

EPA Victorian Landfill Register

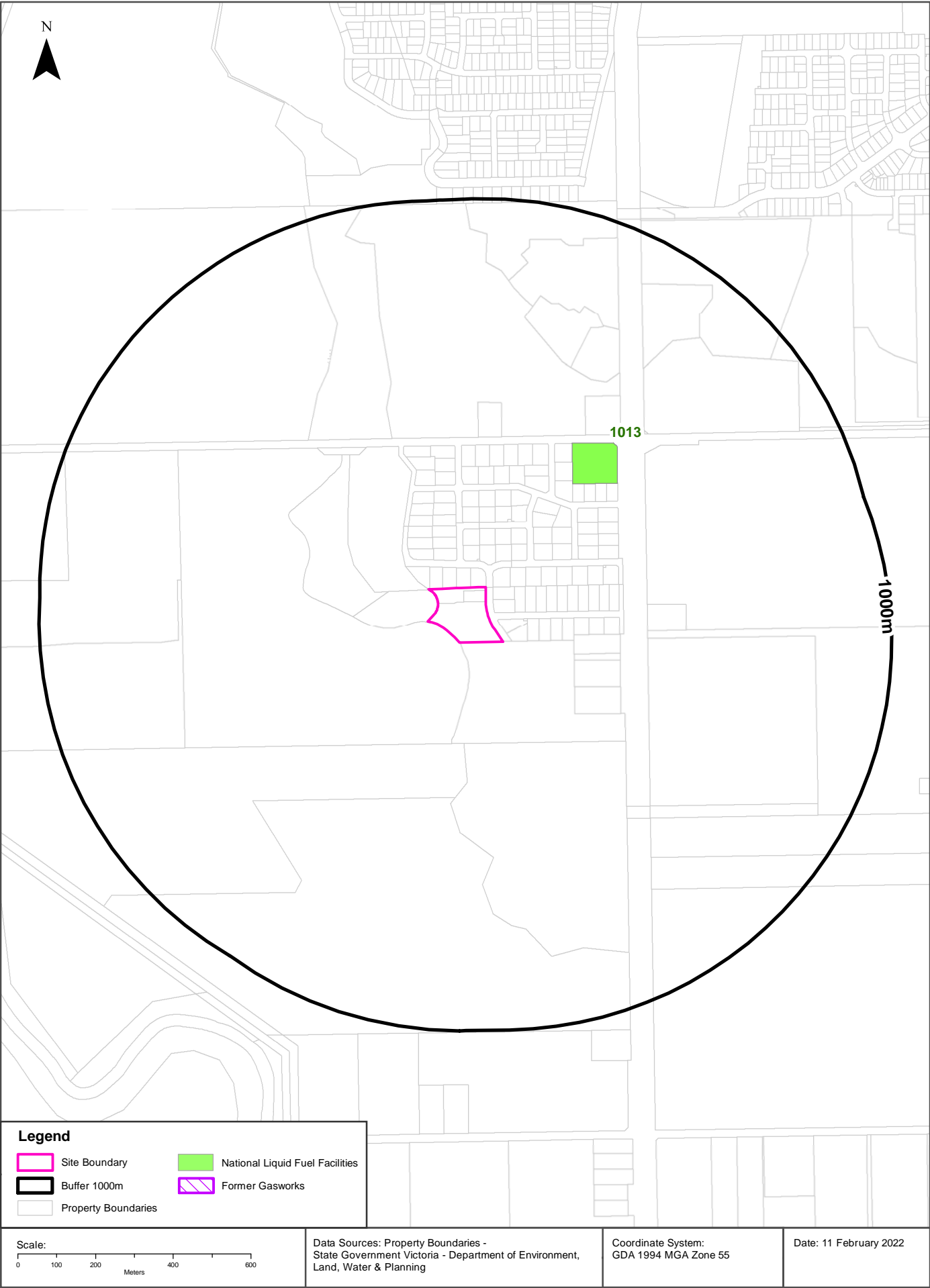
EPA Victorian Landfill Register sites within the dataset buffer:

Landfill Register No.	Site	Address	Operating Status	Est. Year Of Closure	Waste type	Loc Conf	Dist (m)	Direction
10494	Not available	River Road W, Kialla, VIC 3631	Closed	2000	Not available	As Supplied	387m	North

EPA Victorian Landfill Register Data Source: State Government Victoria - Environment Protection Authority (EPA)

Former Gasworks & Liquid Fuel Facilities

34 Lomandra Drive, Kialla, VIC 3631



Former Gasworks and Liquid Fuel Facilities

34 Lomandra Drive, Kialla, VIC 3631

Former Gasworks

Former Gasworks identified from various historical sources within the dataset buffer:

Note - As this is a dataset collated from various historical sources, it is not an exhaustive list of all former Gasworks

Map Id	Site Name	Date Opened	Year Closed	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Collated from various historical sources

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 (m)	Direction
1013	United	Shepparton	7647 Goulburn Valley Highway	Shepparton	Petrol Station	Operational		25/07/2011	Premise Match	347m	North East

National Liquid Fuel Facilities Data Source: Geoscience Australia

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Historical Business Directories

34 Lomandra Drive, Kialla, VIC 3631

Business Directory Records 1905-1991 Premise or Road Intersection Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1980, 1970, 1960, 1950, 1945, 1925 & 1905, 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						

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Business Directory Records 1905-1991

Road or Area Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1980, 1970, 1960, 1950, 1945, 1925 & 1905, 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					

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Historical Business Directories

34 Lomandra Drive, Kialla, VIC 3631

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

Dry Cleaners, Motor Garages & Service Stations from Sands & McDougall's Directories and 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						

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

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's 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.

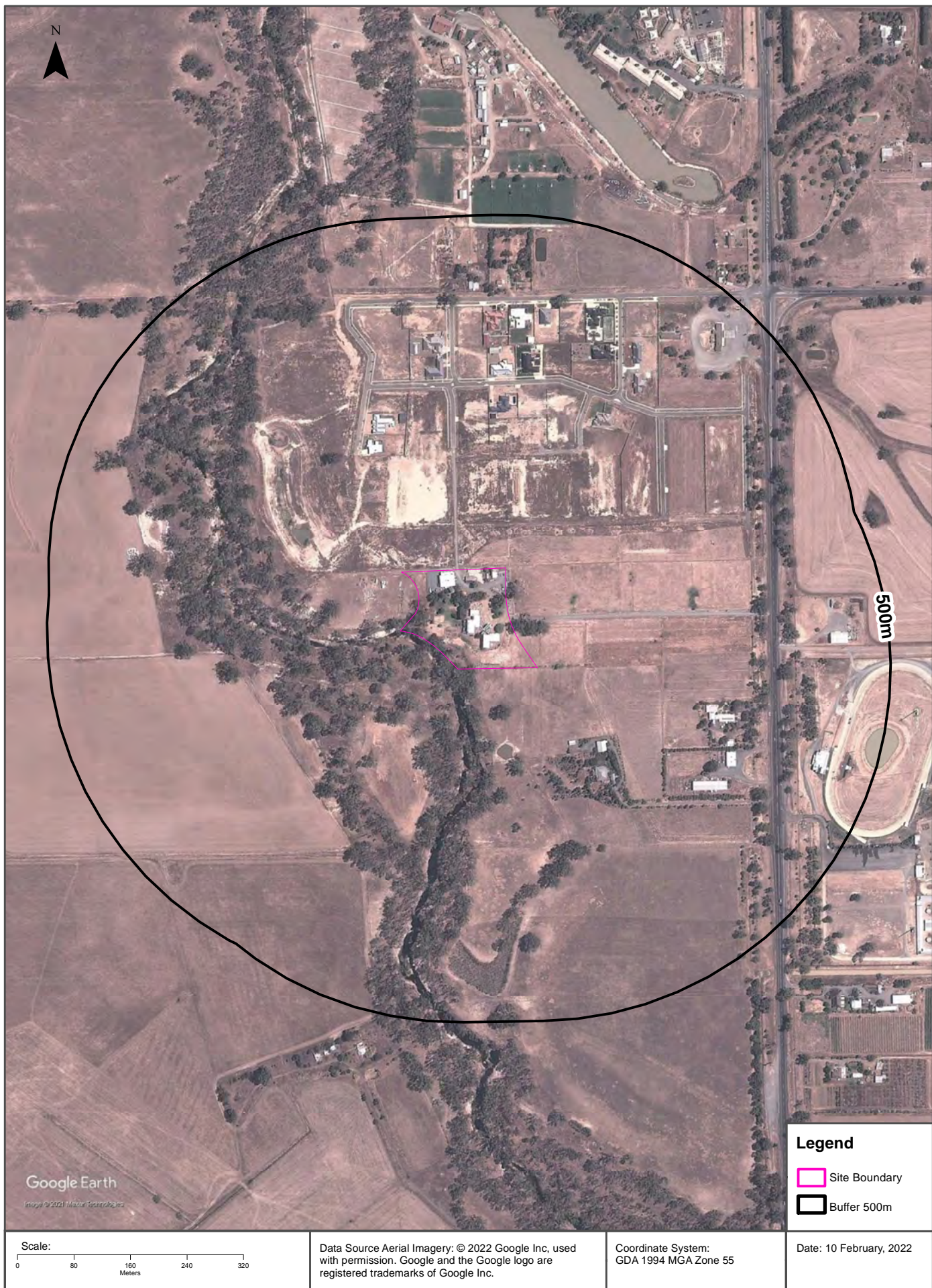
Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

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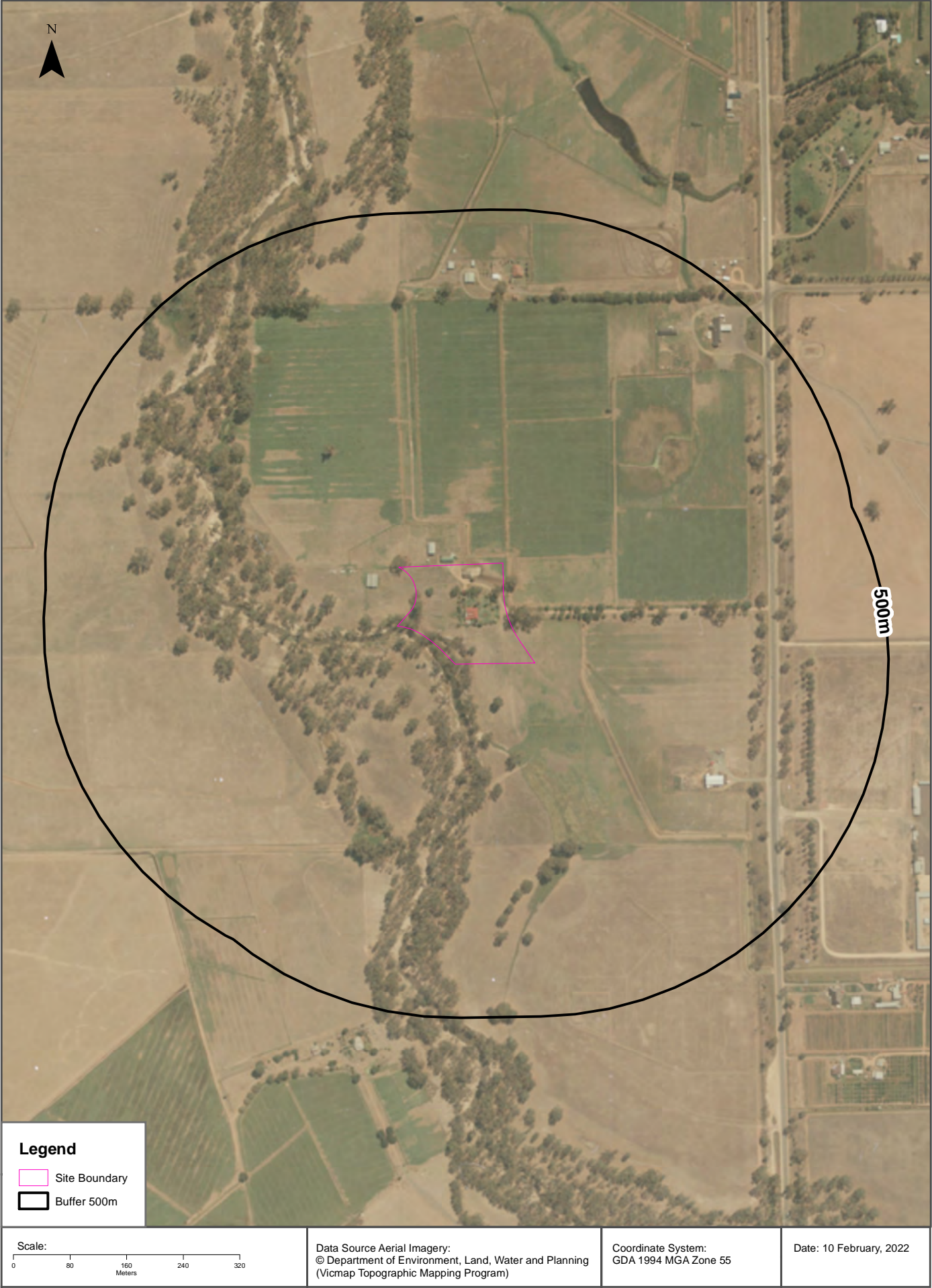


Scale: 0 80 160 240 320 Meters	Data Source Aerial Imagery: © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 55	Date: 11 February 2022
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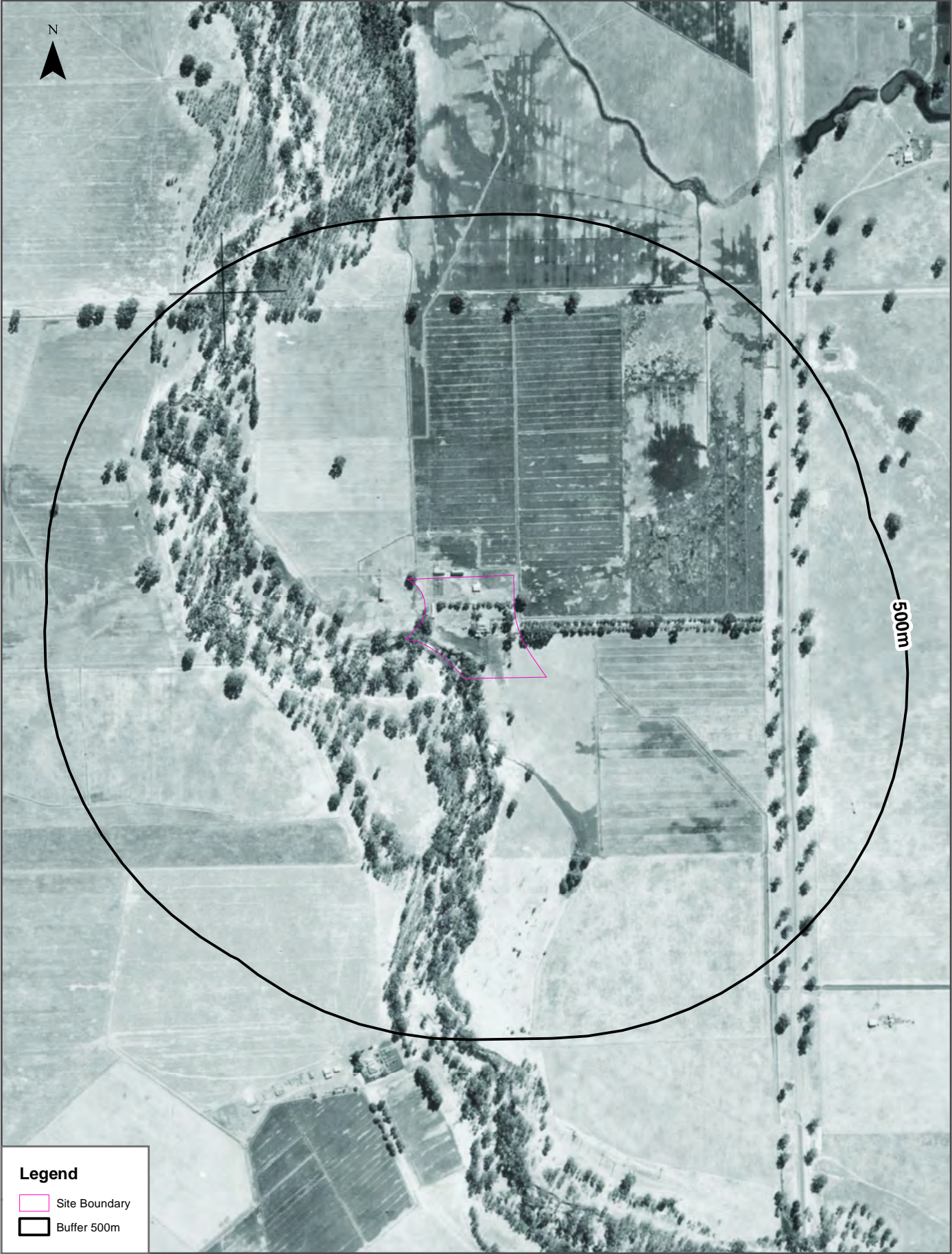




Legend <div><div></div> Site Boundary</div> <div><div></div> Buffer 500m</div>			
Scale: 0 80 160 240 320 Meters	Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	Coordinate System: GDA 1994 MGA Zone 55	Date: 10 February, 2022

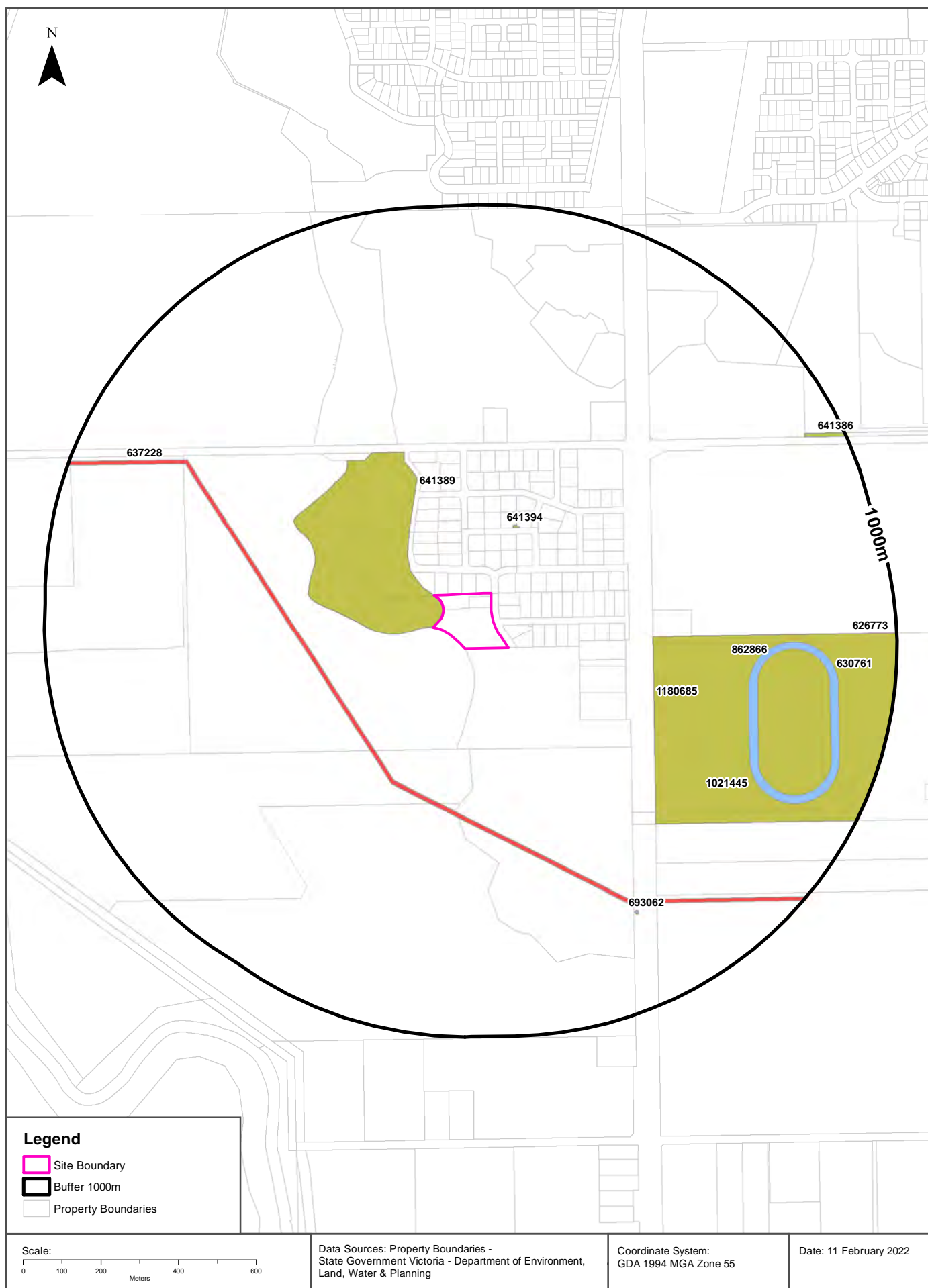


<p>Scale:</p> <p>0 80 160 240 320 Meters</p>	<p>Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)</p>	<p>Coordinate System: GDA 1994 MGA Zone 55</p>	<p>Date: 10 February, 2022</p>
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Features of Interest

34 Lomandra Drive, Kialla, VIC 3631



Features of Interest

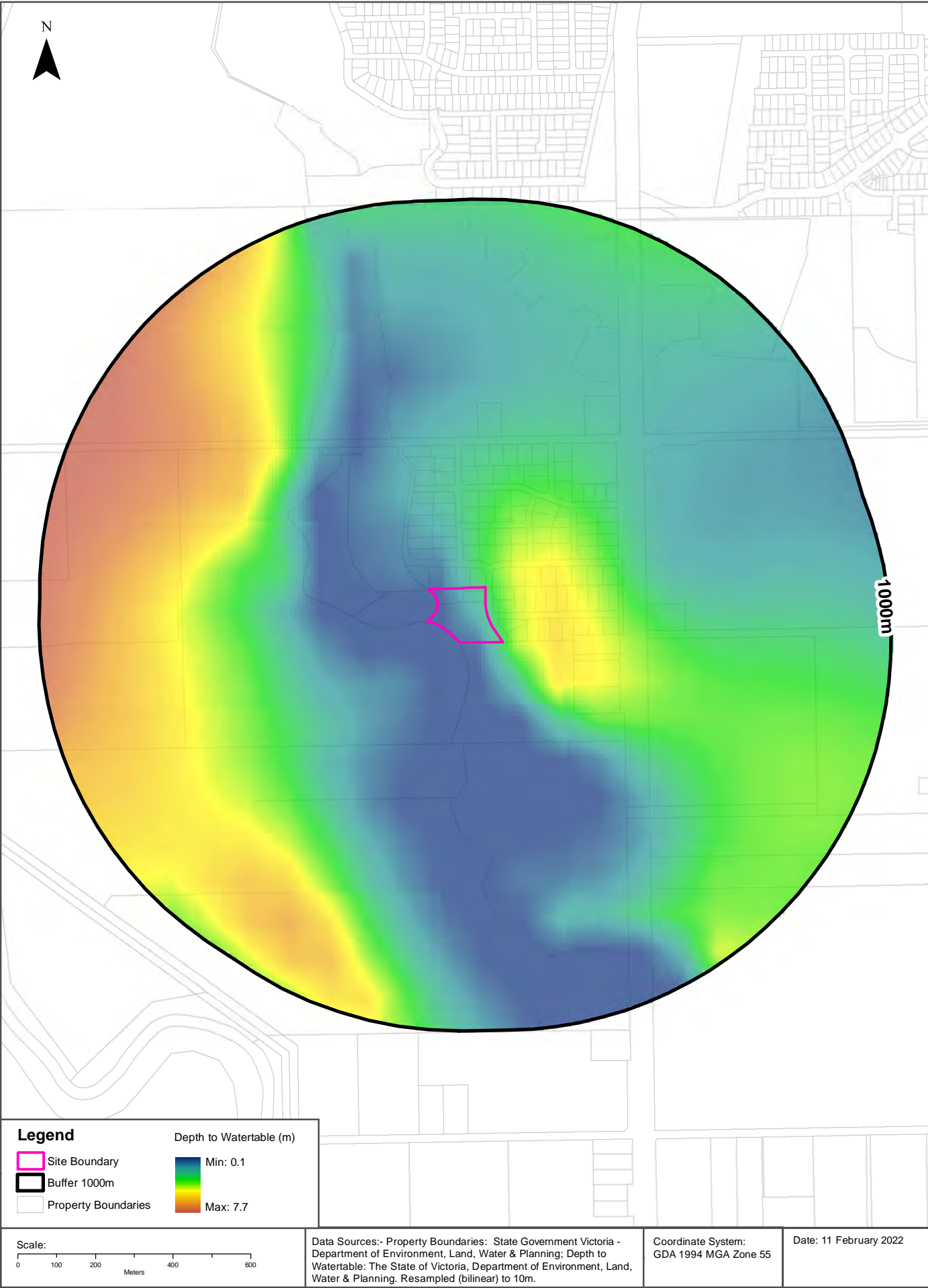
34 Lomandra Drive, Kialla, VIC 3631

Features of Interest

Features of Interest within the dataset buffer:

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
641389	reserve	park		0m	North West
641394	reserve	park		177m	North East
637228	pipeline	gas pipeline	Shepparton - Kyabram	299m	South West
626773	reserve	park	Kialla Paceway	370m	East
1180685	recreational resource	club house	Shepparton Greyhound Racing Club	425m	East
862866	sport facility	greyhound racetrack		445m	East
630761	sport facility	harness racetrack		623m	East
1021445	landmark	tower		647m	South East
693062	recreational resource	picnic site		751m	South East
641386	reserve	park		900m	North East

Features of Interest Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Hydrogeology & Groundwater

34 Lomandra Drive, Kialla, VIC 3631

Hydrogeology

Description of aquifers within the dataset buffer:

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

Hydrogeology Map of Australia: Commonwealth of Australia (Geoscience Australia)

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Groundwater Salinity

On-site Groundwater Salinity:

Groundwater Salinity	Percent Of Site Area
1,000 - 3,500 mg/l	100

Depth to Watertable

On-site Depth to Watertable:

Depth to Watertable	Percent Of Site Area
Less than 5 metres	100

Surface Elevation

Approximate on-site Surface Elevation:

Surface Elevation
111 AHDm to 117 AHDm

Basement Elevation

Approximate on-site Basement Elevation:

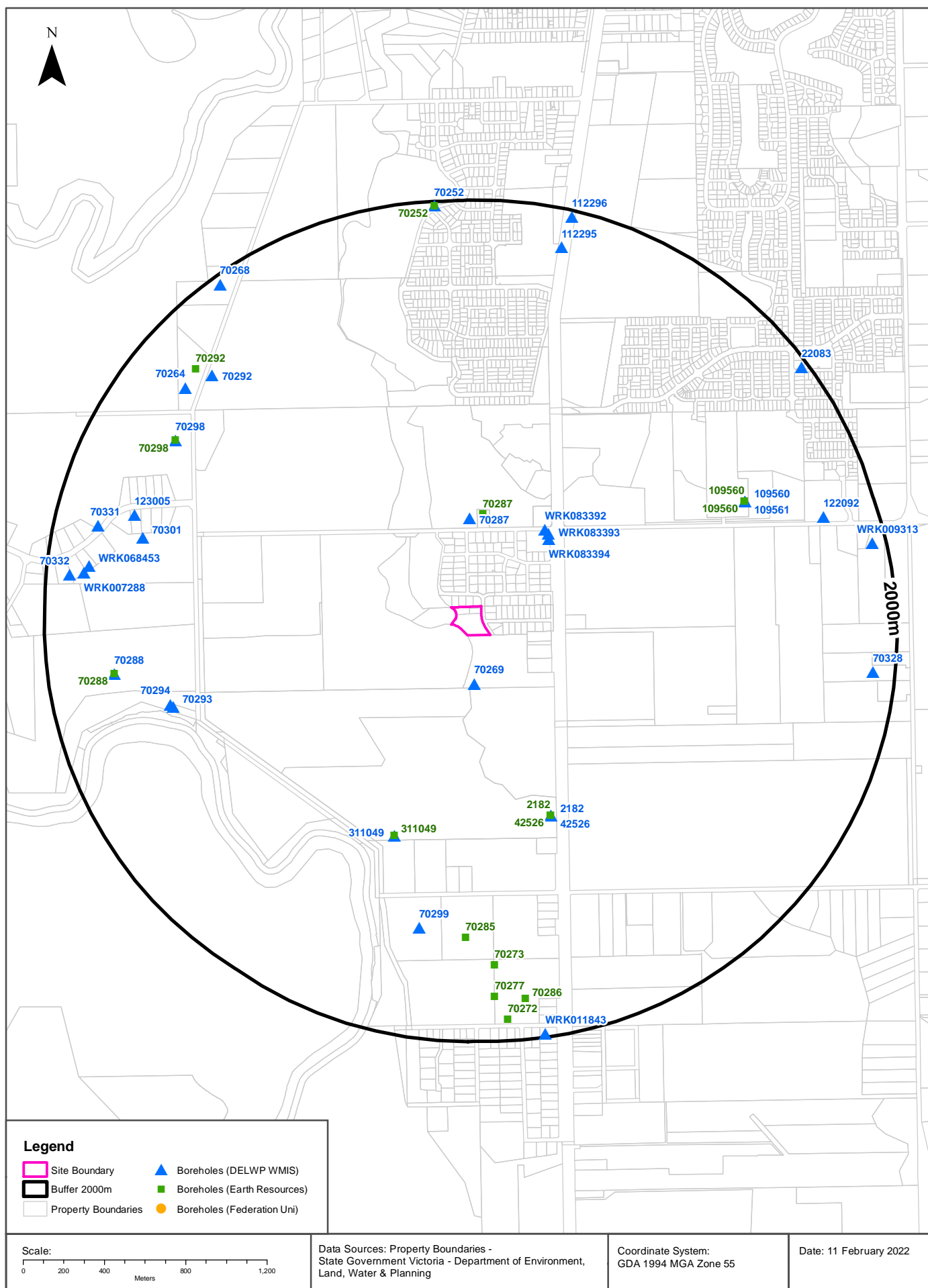
Basement Elevation - Basement Rocks comprise Lower Palaeozoic basement rocks that form the highlands and the crystalline basement; and Mesozoic rocks of the Otway and Gippsland basins both outcropping and subsurface
-113 AHDm to -101 AHDm

Groundwater Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning

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Groundwater Boreholes

34 Lomandra Drive, Kialla, VIC 3631



Groundwater Boreholes

34 Lomandra Drive, Kialla, VIC 3631

Boreholes (DELWP WMIS)

Boreholes from the Department of Environment, Land, Water & Planning's Water Measurement Information System, within the dataset buffer:

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
70269	Domestic					26/10/1972	239m	South
70287	Domestic		0.00m-60.00m INNER LINING - CASING = Pvc 60.00m-63.00m INNER LINING - SCREEN = Pvc		60.00m-63.00m Gravel	27/11/1980	436m	North
WRK083394	Observation	0.00m-0.20m FILL/CRUSHED ROCK 0.20m-4.30m NAT/SILTY CLAY 4.30m-6.50m CLAYEY SAND	0.00m-6.50m INNER LINING - CASING = Pvc 6.50m-10.50m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-10.50m OUTER LINING - GRAVEL = Gravel			23/12/2014	468m	North East
WRK083393	Observation	0.00m-0.20m FILL/CRUSHED ROCK 0.20m-4.30m NAT/SILTY CLAY 4.30m-6.50m CLAYEY SAND 6.50m-10.50m SILTY CLAY	0.00m-6.50m INNER LINING - CASING = Pvc 6.50m-10.50m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-10.50m OUTER LINING - GRAVEL = Gravel			23/12/2014	486m	North East
WRK083392	Observation	0.00m-0.20m FILL-CRUSH ROCK 0.20m-4.30m NAT/SILTY CLAY 4.30m-6.50m CLAYEY SAND 6.50m-10.50m SILTY CLAY	0.00m-6.50m INNER LINING - CASING = Pvc 6.50m-10.50m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-10.50m OUTER LINING - GRAVEL = Gravel			23/12/2014	489m	North East
2182	Groundwater Investigation, Observation	0.00m-1.50m BR ZC DRY 1.50m-2.00m BR ZC MOIST 2.00m-2.50m BR SZC MOIST 2.50m-3.50m BR GRY ZC MOIST 3.50m-6.00m BR SZC MOIST 6.00m-7.00m BR GRY SZC WET 7.00m-9.00m BR GRY ZC WET 9.00m-10.00m GRY BR ZC WET 10.00m-12.00m BR SZC WET 12.00m-14.00m GRY BR SZC WET 14.00m-14.50m BR SZC WET 14.50m-17.00m BR SZ WET 17.00m-18.00m GRY SZC WET 18.00m-19.00m GRY BR ZC WET 19.00m-20.00m GRY BR ZC MOIST		Date/time: 2001-05-29 0000 Quality: 47 WLMP: 1.60m DBNS: 1.51m RWL: 108.20 mAHD		08/04/1976	938m	South
42526	Groundwater Investigation, Observation	0.00m-2.00m REFER TO DRILLERS LOG NUMBERED		Date/time: 2001-05-29 0000 Quality: 47 WLMP: 1.85m DBNS: 1.76m RWL: 107.95 mAHD		08/04/1976	938m	South
311049	Non Groundwater					31/12/1964	1049 m	South
109560	Groundwater Investigation, Observation, State Observation Network		0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-2.00m INNER LINING - SCREEN = Pvc	Date/time: 1981-08-11 0000 Quality: 43 WLMP: m DBNS: m RWL: mAHD		20/05/1980	1395 m	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
109561	Groundwater Investigation, Observation, State Observation Network		0.00m-7.60m INNER LINING - CASING = Pvc 7.60m-10.97m INNER LINING - SCREEN = Pvc 10.97m-13.60m INNER LINING - CASING = Pvc	Date/time: 1981-08-11 0000 Quality: 43 WLMP: m DBNS: m RWL: mAHD	7.60m-10.97m Clay	20/05/1980	1395 m	North East
70293	Domestic		0.00m-12.00m INNER LINING - CASING = Pvc 12.00m-14.00m INNER LINING - SCREEN = Pvc		12.00m-14.00m Sand	14/11/1985	1424 m	West
70294	Domestic		0.00m-22.00m INNER LINING - CASING = Pvc 22.00m-24.00m INNER LINING - SCREEN = Pvc		22.00m-24.00m Sand	18/11/1985	1435 m	West
70299	Domestic, Stock	0.00m-1.00m BROWN SILTY SANDY CLAY 1.00m-3.50m GREY BROWN SILTY SANDY CLAY 3.50m-5.00m RED & BROWN & GREY SILTY SANDY CLAY 5.00m-8.00m BROWN & GREY SILTY CLAY 8.00m-19.00m GREY & BROWN SANDY CLAY 19.00m-19.50m BROWN FINE SAND 19.50m-21.50m GREY BROWN SILTY SANDY CLAY 21.50m-23.50m BROWN FINE CLAYEY SAND 23.50m-25.00m BROWN MED COARSE SAND 25.00m-35.00m GREY BROWN SILTY SANDY CLAY 35.00m-41.50m BROWN MED COARSE SAND	0.00m-38.50m INNER LINING - CASING = Pvc 38.50m-41.50m INNER LINING - SCREEN = Pvc 28.50m-41.50m OUTER LINING - GRAVEL = Gravel		38.50m-41.50m Sand	20/12/1987	1460 m	South
70301	Domestic	0.00m-1.00m RED BROWN SILTY CLAY 1.00m-3.00m BROWN SILTY CLAY 3.00m-4.00m GREY AND BROWN SILTY CLAY 4.00m-13.00m GREY AND BROWN FINE SANDY CLAY 13.00m-22.50m BROWN FINE CLAYEY SAND 22.50m-25.50m BROWN MEDIUM COARSE SAND	0.00m-23.50m INNER LINING - CASING = Not Known 23.50m-25.50m INNER LINING - SCREEN = Not Known 19.00m-25.50m OUTER LINING - GRAVEL = Not Known		23.50m-25.50m Sand	03/02/1990	1555 m	West
70298	Domestic	0.00m-1.00m BROWN SANDY CLAY 1.00m-2.00m BROWN SILTY CLAY 2.00m-3.50m BROWN & GREY SILTY CLAY 3.50m-5.00m GREY & BROWN SILTY SANDY CLAY 5.00m-9.00m RED & BROWN & GREY SANDY CLAY 9.00m-12.00m RED & GREY SILTY SANDY CLAY 12.00m-13.50m GREY SILTY CLAY 13.50m-21.50m BROWN CLAYEY FINESAND 21.50m-24.00m BROWN MED FINE SAND	0.00m-21.00m INNER LINING - CASING = Pvc 21.00m-24.00m INNER LINING - SCREEN = Pvc 18.00m-24.00m OUTER LINING - GRAVEL = Gravel		21.00m-24.00m Sand	15/11/1987	1586 m	North West
123005	Domestic	0.00m-2.00m HARD BROWN CLAY 2.00m-8.00m HARD BROWN & GREY CLAY 8.00m-12.00m HARD RED & GREY CLAY 12.00m-17.00m BROWN GRANITY SANDS 17.00m-20.00m SOFT BROWN & GREY CLAY 20.00m-25.00m BROWN SAND	0.50m-20.00m INNER LINING - CASING = Pvc 19.00m-21.50m INNER LINING - CASING = Pvc 21.50m-23.50m INNER LINING - SCREEN = Pvc 23.50m-25.00m INNER LINING - CASING = Pvc 19.00m-0.00m OUTER LINING - GRAVEL = Packer			04/09/1994	1622 m	West
70292	Domestic, Stock		0.00m-21.50m INNER LINING - CASING = Pvc 21.50m-23.80m INNER LINING - SCREEN = Pvc 23.80m-25.00m INNER LINING - SCREEN = Slotted Pvc 23.80m-25.50m INNER LINING - CASING = Pvc 19.00m-21.50m OUTER LINING - GRAVEL = Gravel		21.50m-23.80m Clay 23.80m-25.00m Clay	12/12/1984	1640 m	North West
70288	Not Known		0.00m-93.00m INNER LINING - CASESCRN = Not Known		0.00m-93.00m	06/03/1983	1673 m	West
70264	Domestic, Stock		0.00m-13.71m INNER LINING - CASING = Not Known 13.71m-16.76m INNER LINING - SCREEN = Not Known		13.71m-16.76m	20/08/1975	1697 m	North West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
122092	Domestic	0.00m-4.00m HARD GREY CLAY 4.00m-7.00m SOFT BROWN SILTY CLAY 7.00m-10.00m DIRTY BROWN SAND	-0.50m-7.00m INNER LINING - CASING = Pvc 7.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-0.00m OUTER LINING - GRAVEL = Gravel			05/08/1994	1738 m	East
70331	Domestic	0.00m-1.50m RED/BROWN CLAY LOAM 1.50m-6.00m BROWN TO GREY CLAY SLIGHTLY SILTY 6.00m-9.00m BROWN SILTY CLAYS 9.00m-19.00m BROWN SILTY CLAYS & FEW THIN SAND BEDS 19.00m-21.00m BROWN SILTSTONE & CLAY 21.00m-22.00m BROWN SAND MEDIUM 22.00m-24.20m BROWN SAND & CLAY SEAMS 24.20m-24.70m SANDY CLAY BROWN 24.70m-25.70m BROWN SAND & CLAY 25.70m-28.60m BROWN TO GREY CLAY	-0.20m-22.50m INNER LINING - CASING = Pvc 20.80m-22.50m INNER LINING - SCREEN = Pvc 22.50m-26.10m INNER LINING - SCREEN = Wire W S/Steel 26.10m-28.60m INNER LINING - CASING = Pvc		20.80m-22.50m Sand 22.50m-26.10m Sand	07/05/1991	1783 m	West
WRK068453	Domestic & Stock	0.00m-0.50m CLAY orange 0.50m-4.00m SILT brown 4.00m-8.00m SAND 8.00m-10.00m CLAY grey brown 10.00m-12.00m CLAY sandy brown 12.00m-21.00m CLAY sandy grey brown 21.00m-23.00m SAND medium to coarse	0.00m-21.50m INNER LINING - CASING = Pvc 21.50m-23.00m INNER LINING - SCREEN = Screened Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-23.00m OUTER LINING - GRAVEL = Gravel		21.50m-23.00m Sand	10/12/2012	1793 m	West
112295	Groundwater Investigation	0.00m-0.90m SOFT MOIST TAN/RED SILTY CLAY 0.90m-1.50m FIRM TAN SILTY CLAY 1.50m-3.85m SOFT TAN SILTY CLAY MOIST 3.85m-5.50m WET SAND FINE	-0.30m-3.00m INNER LINING - CASING = Pvc 3.00m-5.00m INNER LINING - SCREEN = Pvc 5.00m-5.50m INNER LINING - CASING = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 1.50m-2.00m OUTER LINING - GRAVEL = Bentonite			14/01/1992	1810 m	North
WRK007288	Irrigation	0.00m-1.00m HARD BROWN CLAY 1.00m-7.00m HARD BROWN & GREY CLAY 7.00m-13.00m SOFT BROWN & GREY CLAY 13.00m-15.00m CLAYED SANDS 15.00m-18.00m HARD BROWN & GREY CLAY 18.00m-20.00m DIRTY BROWN SAND 20.00m-23.00m COARSE BROWN SAND	-0.50m-21.00m INNER LINING - CASING = Pvc 21.00m-23.00m INNER LINING - SCREEN = Pvc 19.00m-23.00m OUTER LINING - GRAVEL = Gravel			11/03/1996	1815 m	West
70332	Domestic	0.00m-1.50m RED/BROWN CLAY LOAM 1.50m-7.00m BROWN TO GREY SILTY CLAY 7.00m-8.50m BROWN CLAY & FINE SAND 8.50m-13.50m BROWN TO GREY SANDY & SILTY CLAY 13.50m-15.00m GREY SAND & LIGHT CLAY 15.00m-21.00m BROWN SILTY CLAY 21.00m-22.70m BROWN SAND MEDIUM 22.70m-24.30m SAND & CLAY 24.30m-25.00m REDDISH BROWN COARSER SAND 25.00m-27.20m REDDISH BROWN CLAY BECOMING FIRMER	-0.20m-20.80m INNER LINING - CASING = Pvc 20.80m-24.20m INNER LINING - SCREEN = Pvc 24.20m-27.20m INNER LINING - CASING = Pvc		20.80m-24.20m Sand	16/05/1991	1884 m	West
70328	Domestic	0.00m-5.60m CLAY 5.60m-6.30m FINE SAND 6.30m-17.00m SAND CLAY 17.00m-17.30m SAND STONEY 17.30m-24.70m FINE SANDY CLAY 24.70m-26.00m FINE SAND				01/04/1991	1890 m	East
WRK009313	Domestic & Stock	0.00m-1.00m BROWN SILTY CLAY 1.00m-4.00m BROWN & GREY SILTY CLAY 4.00m-6.00m ORANGEY BROWN FINE SANDY CLAY 6.00m-7.50m BROWN FINE SAND 7.50m-9.50m YELLOW BROWN MED COURSE SAND	0.30m-7.00m INNER LINING - CASING = Pvc 7.00m-9.50m INNER LINING - SCREEN = Pvc 5.00m-9.50m OUTER LINING - GRAVEL = Gravel		7.00m-9.50m Sand	12/04/2003	1933 m	East
70268	Domestic, Stock		0.00m-25.50m INNER LINING - CASESCRN = Not Known		0.00m-25.50m	24/02/1977	1955 m	North West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
112296	Groundwater Investigation	0.00m-4.00m SOFT MOIST TAN/RED SILTY CLAY 4.00m-5.50m WET SAND FINE	-0.30m-3.00m INNER LINING - CASING = Pvc 3.00m-5.00m INNER LINING - SCREEN = Pvc 5.00m-5.50m INNER LINING - CASING = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 1.50m-2.00m OUTER LINING - GRAVEL = Bentonite			14/01/1992	1967 m	North
22083	Observation	0.00m-0.50m BROWN SILTY SAND WET 0.50m-4.50m SAND WATER 4.50m-15.00m SILTY CLAY WET		Date/time: 1991-03-23 1400 Quality: 47 WLMP: 1.10m DBNS: m RWL: mAHD		22/03/1991	1967 m	North East
70252	Not Known		0.00m-33.52m INNER LINING - CASING = Not Known 33.52m-34.13m INNER LINING - SCREEN = Not Known		33.52m-34.13m	31/12/1962	1979 m	North
WRK011843	Domestic & Stock	0.00m-1.00m red brown silty clay 1.00m-4.00m brown silty clay 4.00m-8.00m brown and grey silty sand clay 8.00m-14.50m brown fink clayly sand 14.50m-22.50m brown silty sand clay 22.50m-28.50m brown red course sand 28.50m-40.00m brown & grey silty sandy clay	0.30m-24.00m INNER LINING - CASING = Pvc 24.00m-27.00m INNER LINING - SCREEN = Pvc 22.00m-27.00m OUTER LINING - GRAVEL = Gravel		24.00m-27.00m Sand	17/10/2006	1983 m	South

Boreholes WMIS Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Groundwater Boreholes

34 Lomandra Drive, Kialla, VIC 3631

Boreholes (Earth Resources Database)

Boreholes from the Earth Resources dataset, within the dataset buffer:

Bore Id	Bore Type	Company	Usage	Method	Status	Drill Date	Depth	Elevation	Accuracy (m)	Dist (m)	Dir
70287		Private Individual/Corporation	Domestic water supply	Jet		27/11/1980	63.00		300	453m	North
2182		Rural Water Commission	Groundwater Investigation			01/01/1950		109.71	300	937m	South
42526		Rural Water Commission	Groundwater Investigation			01/01/1950		109.71	300	937m	South
311049		Department of Manufacturing & Industry Development				31/12/1964	18.90		300	1049m	South
109560		Department of Manufacturing & Industry Development	Groundwater Investigation	Mechanical Auger		20/05/1980	13.60		100	1395m	North East
109560		Department of Manufacturing & Industry Development	Groundwater Observation	Mechanical Auger		20/05/1980	13.60		100	1395m	North East
70285		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		24/01/1979	28.00		300	1488m	South
70298		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		15/11/1987	24.00		100	1588m	North West
70273		Private Individual/Corporation	Domestic water supply	Jet		10/09/1977	27.50		300	1627m	South
70288		Private Individual/Corporation		Rotary (diamond/drag bit)	Abandoned	06/03/1983	93.00		100	1673m	West
70292		Private Individual/Corporation	Domestic & Stock water supply	Percussion (cable)		12/12/1984	25.60		100	1719m	North West
70277		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		16/09/1978	28.00		300	1780m	South
70286		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		27/11/1980	28.00		300	1798m	South
70272		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		28/09/1977	27.50		300	1895m	South
70252		Private Individual/Corporation				31/12/1962			300	1980m	North

Boreholes Earth Resources Data Source: © The State of Victoria, Department of Economic Development, Jobs, Transport and Resources 2015. Creative Commons Attribution 3.0 Australia

Boreholes (Federation University)

Boreholes from the Federation University Australia dataset, within the dataset buffer:

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Dir
N/A	No records in buffer						

Boreholes FedUni Data Source: © Federation University Australia

Historical Mining Activity - Shafts

34 Lomandra Drive, Kialla, VIC 3631

Historical Mining Activity - Shafts

Mine Shaft Locations were collected by a variety of methods from 1869 in some areas of the state, mainly concentrating in Ballarat and Bendigo. In places a shaft may be recorded multiple times with a different source. In cases where several shaft locations are shown close together (generally with separations less than stated position errors) and they have different sources, it is possible that one shaft has been mapped several times. In cases where several shaft locations are shown close together but they have the same information source, it is possible that each shaft location represents a different shaft on the ground.

Historical Mine Shafts within the dataset buffer:

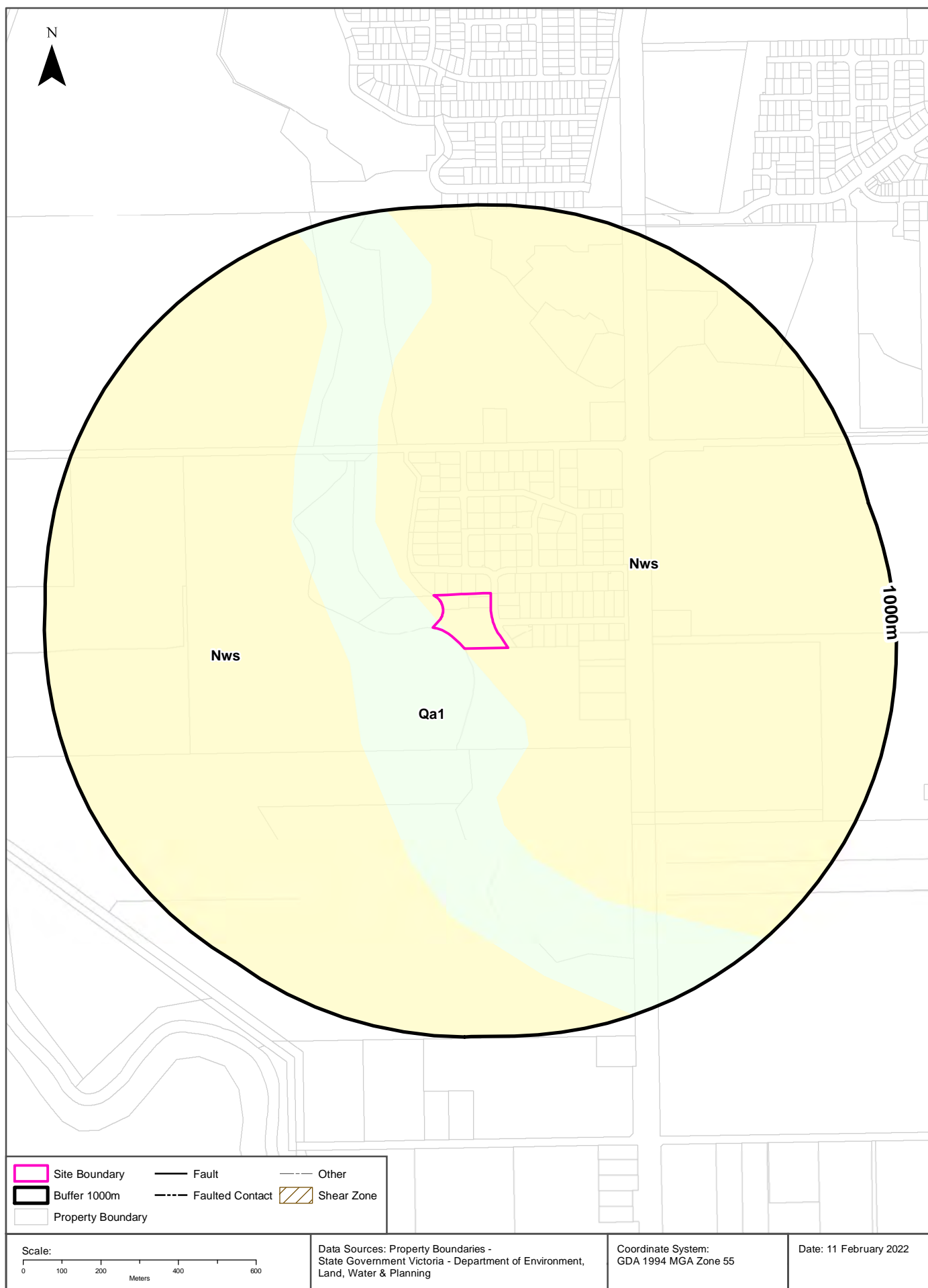
Map Id	Name	Source	Depth (m)	Collar (ft)	Fill/Cap Method	Location Desc	Location Accuracy	Distance	Direction
N/A	No records in buffer								

Historical Mining Activity Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources

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Geology

34 Lomandra Drive, Kialla, VIC 3631



Geology

34 Lomandra Drive, Kialla, VIC 3631

Geological Units 1:250,000

What are the Geological Units within the dataset buffer?

Symbol	Name	Description	Geological Age	Lithology	Distance	Direction
Nws	Shepparton Formation (Nws): generic	Clay, sand, silt, poorly-sorted lenticular gravel. Dissected flood plain alluvium: terraces 1-10 metres above present river channels; well developed soil 2-3 m thick.	Pliocene to Holocene	clay lithology (dominant); sand (significant); silt material (significant); gravel material (significant)	0m	On-site
Qa1	alluvium(Qa1): generic	Gravel, sand, silt: variably sorted and rounded; generally unconsolidated; includes deposits of low terraces; alluvial floodplain deposits	Pleistocene to Holocene	gravel material (significant); sand (significant); silt material (significant)	0m	On-site

Geology Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources
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Geology

34 Lomandra Drive, Kialla, VIC 3631

Geological Structures 1:250,000

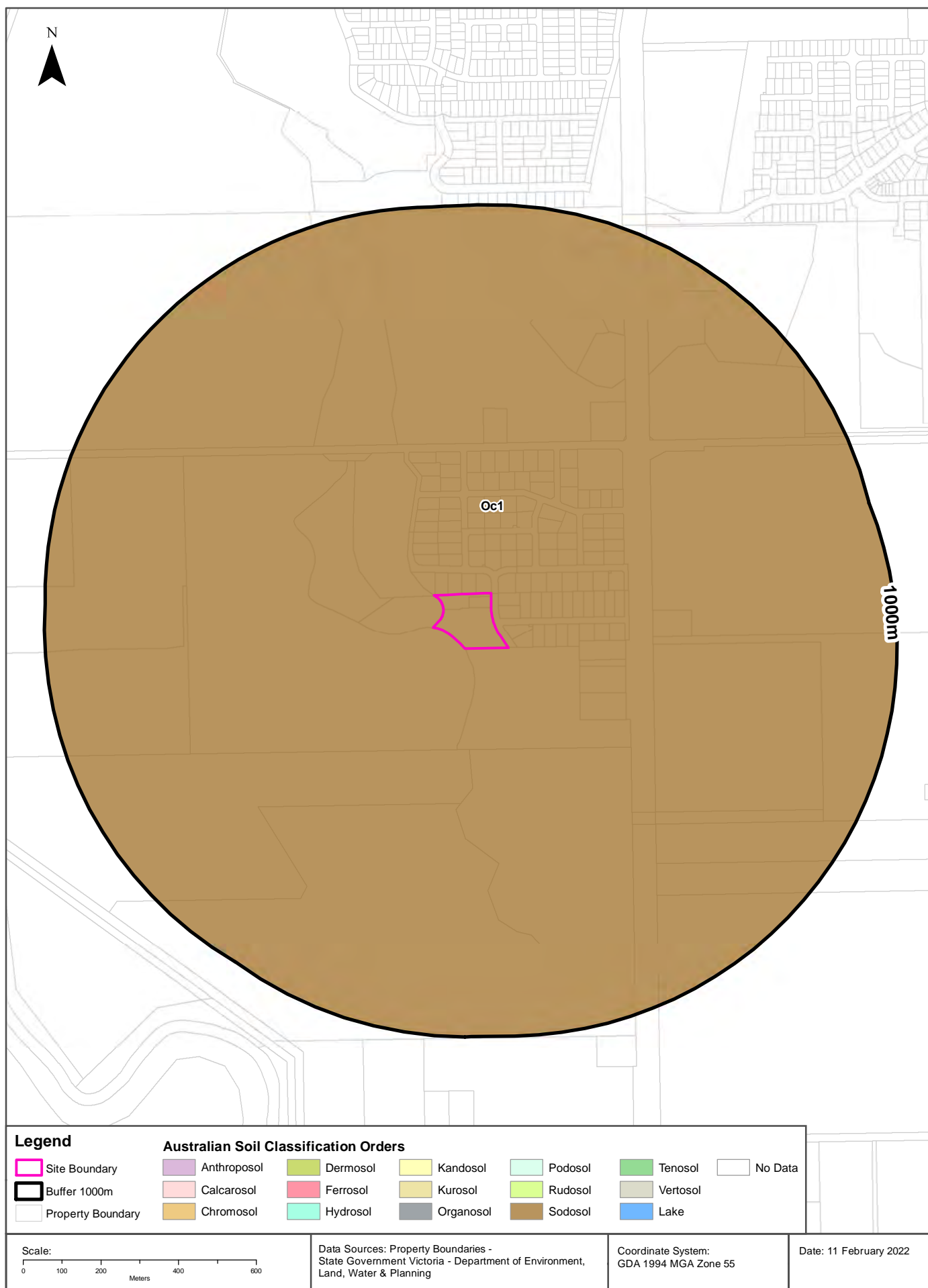
What are the Geological Faults or Faulted Contacts within the dataset buffer?

Map Id	Type	Name	Contact	Positional Accuracy	Distance	Direction
N/A	No records in buffer					

What are the Shear Zones within the dataset buffer?

Map Id	Type	Name	Description	Positional Accuracy	Distance	Direction
N/A	No records in buffer					

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Soils

34 Lomandra Drive, Kialla, VIC 3631

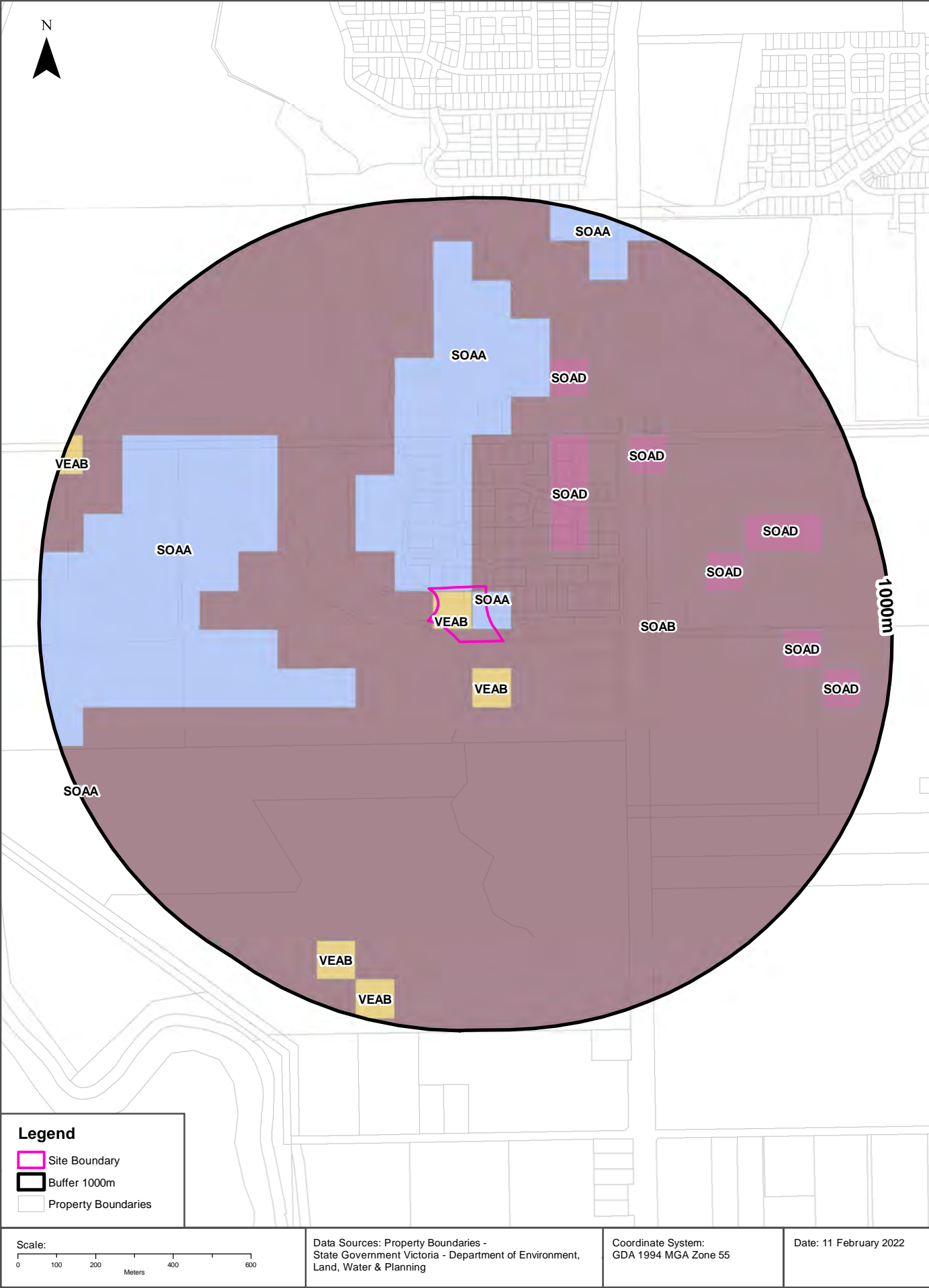
Atlas of Australian Soils

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

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Oc1	Sodosol	The following replaces the brief description given for unit P1 on Sheet 1; Oc1 being the new symbol replacing P1. Plains with low sandhills, prior streams, depressions, swamps, and stream valleys. Layered soil materials bow the sola of present day soils are important factors in soil variability owing to their influence on drainage characteristics. The detailed soil pattern is complex: (1) the relatively higher, better-drained portions of the plains have hard alkaline red soils (Dr2.23 and Dr2.33) and smaller areas of other soils including (Dr2.12) and (Dr3.23); (2) the relatively inter- mediate portions of the plain have (Dr2.33) in association with hard alkaline brown soils (Db1.43) and gilgai puffs of cracking clays (Ug5.2(3)) in some places, small areas of other soils include (Dr2.43) and (Dr3.43); (3) the relatively lower portions of the plains, depressions, and swampy areas have hard alkaline yellow mottled soils (Dy3.43 and Dy3.33) in association with cracking clays (Ug5.2), often in gilgai formation; (4) low sandhills have deep sandy neutral red mottled soils (Dr5.62) and (Uc) soils; (5) prior streams have very variable "well-drained soils" in the stream bed, and (Dr2.23, Dr2.33, and Dr2.43) on their levees which merge with the higher portions of the plain; (6) stream valleys have floodplains of (Dy3.4) and (Gn) soils.	0m	On-site

Atlas of Australian Soils Data Source: CSIRO

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Soils

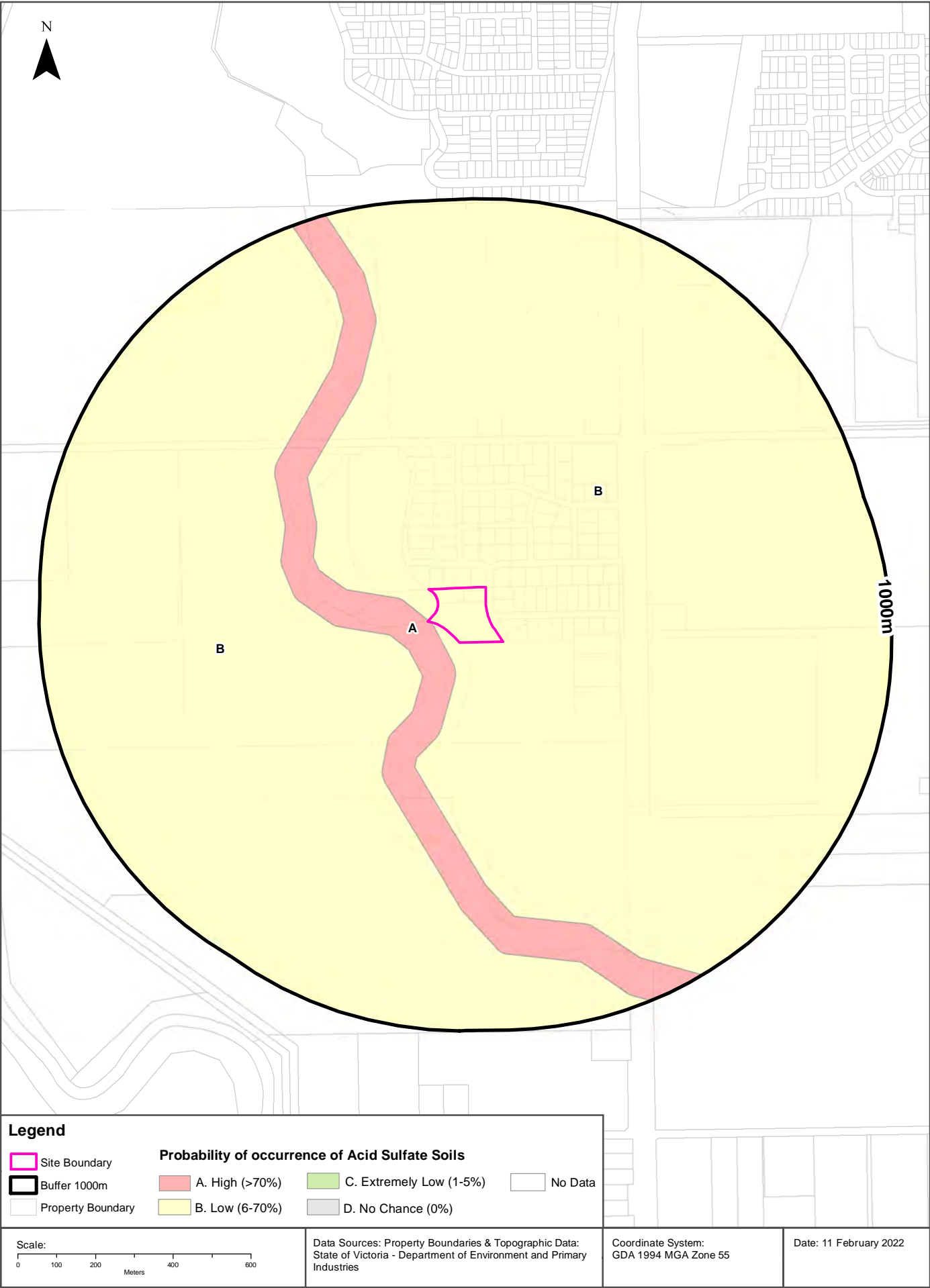
34 Lomandra Drive, Kialla, VIC 3631

Victorian Soil Type Mapping

Victorian Soil Types within the dataset buffer:

Symbol	Description	Distance	Direction
VEAB	Brown Vertosols	0m	On-site
SOAA	Red Sodosols	0m	On-site
SOAB	Brown Sodosols	0m	On-site
SOAD	Grey Sodosols	186m	North East

Victorian Soil Type Mapping Data Source: Department of Economic Development, Jobs, Transport and Resources
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Acid Sulfate Soils

34 Lomandra Drive, Kialla, VIC 3631

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
A	High Probability of occurrence. >70% chance of occurrence.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Acid Sulfate Soils

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Coastal Acid Sulfate Soils

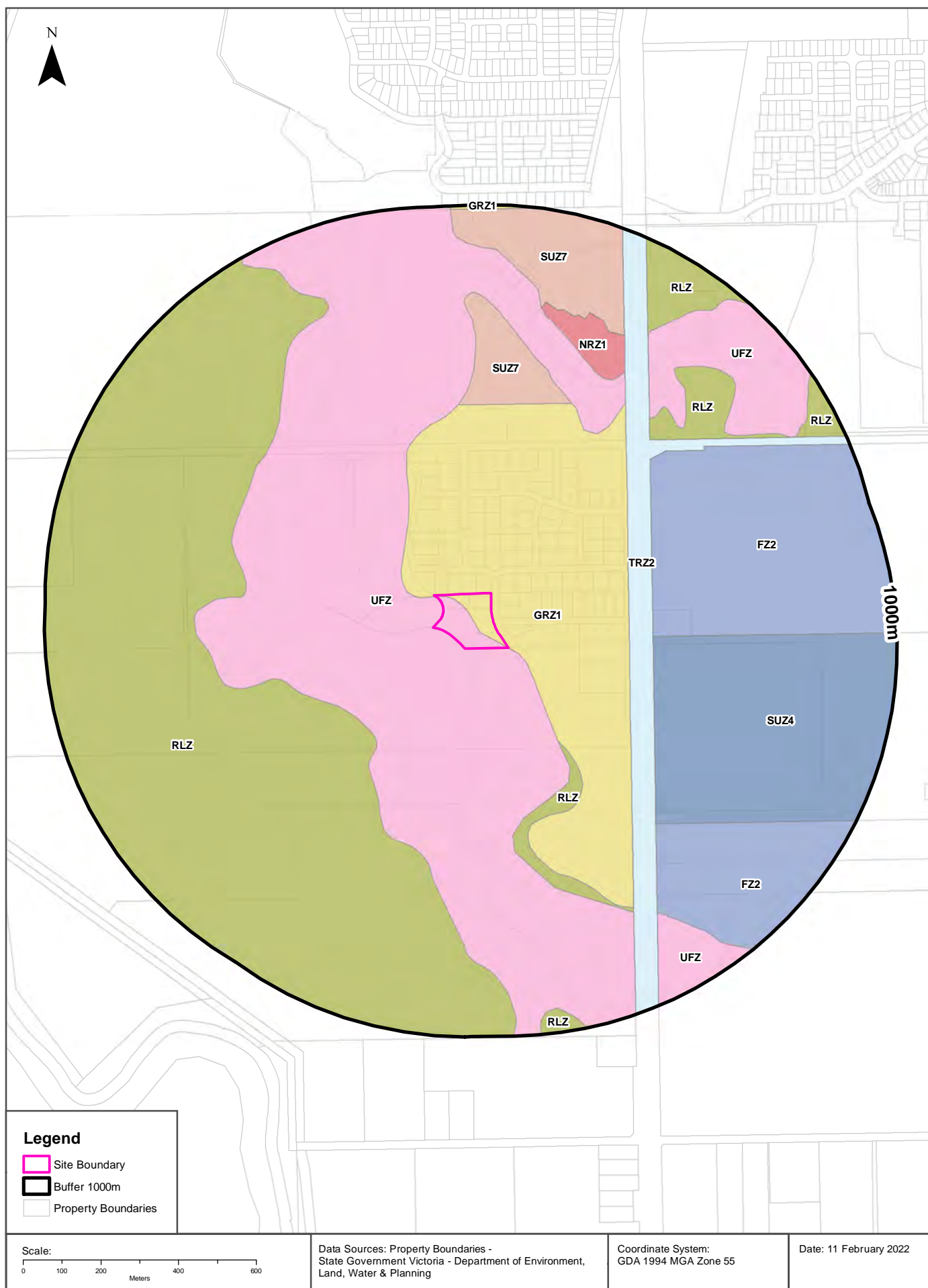
Coastal Acid Sulfate Soil types within the dataset buffer:

Coastal Acid Sulfate Soil Types	Distance	Direction
No records in buffer		

Coastal Acid Sulfate Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Planning Zones

34 Lomandra Drive, Kialla, VIC 3631



Planning

34 Lomandra Drive, Kialla, VIC 3631

Planning Zones

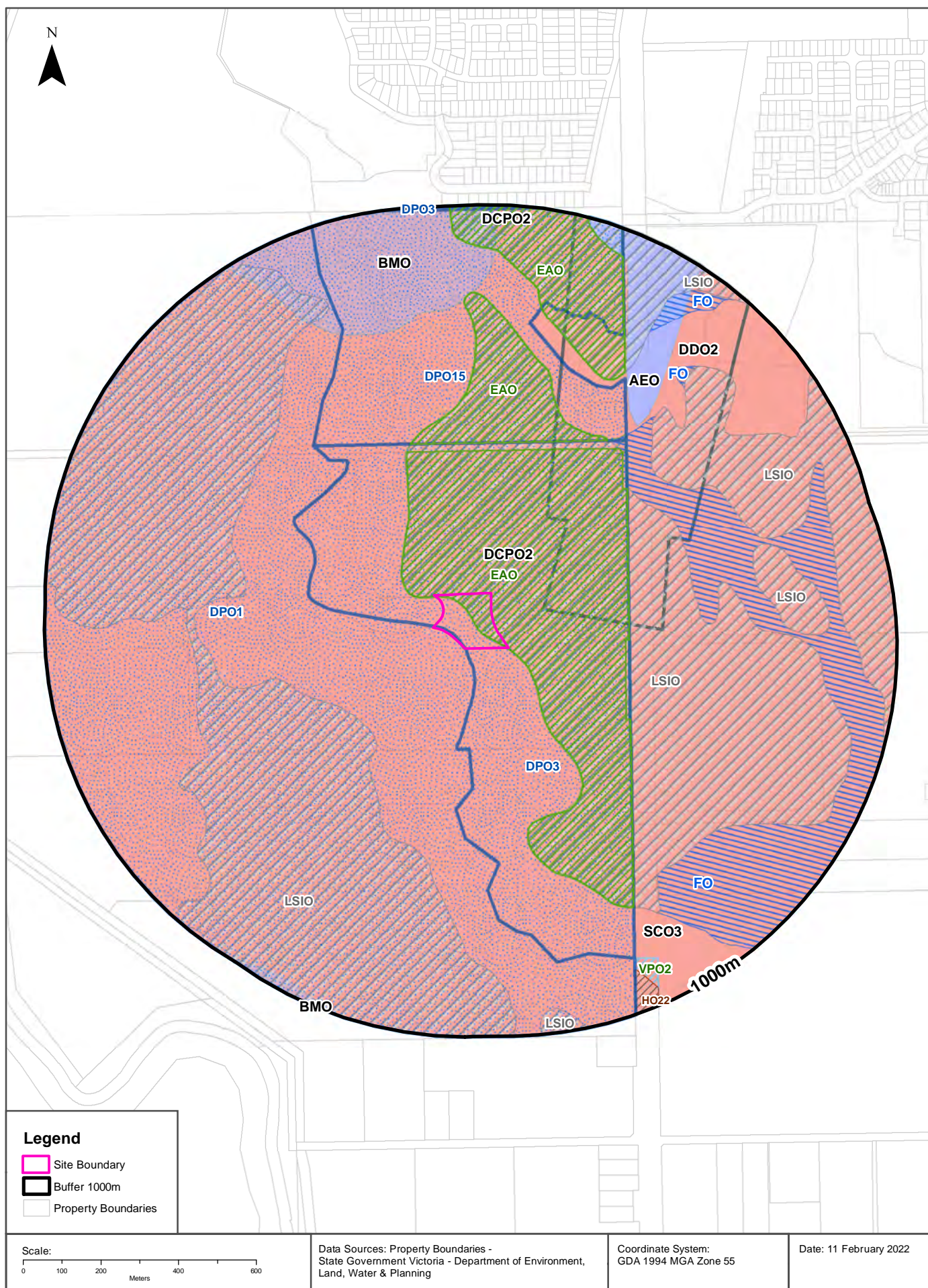
Planning zones within the dataset buffer:

Zone Code	Description	Distance	Direction
UFZ	URBAN FLOODWAY ZONE	0m	On-site
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	0m	On-site
RLZ	RURAL LIVING ZONE	272m	South East
RLZ	RURAL LIVING ZONE	305m	West
TRZ2	TRANSPORT ZONE 2 - PRINCIPAL ROAD NETWORK	310m	East
SUZ4	SPECIAL USE ZONE - SCHEDULE 4	370m	East
FZ2	FARMING ZONE - SCHEDULE 2	371m	East
SUZ7	SPECIAL USE ZONE - SCHEDULE 7	486m	North
RLZ	RURAL LIVING ZONE	566m	North East
UFZ	URBAN FLOODWAY ZONE	605m	North East
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	625m	North East
SUZ7	SPECIAL USE ZONE - SCHEDULE 7	736m	North
RLZ	RURAL LIVING ZONE	776m	North East
UFZ	URBAN FLOODWAY ZONE	781m	South East
RLZ	RURAL LIVING ZONE	868m	North East
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	990m	North

Planning Zone Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Planning Overlays

34 Lomandra Drive, Kialla, VIC 3631



Planning

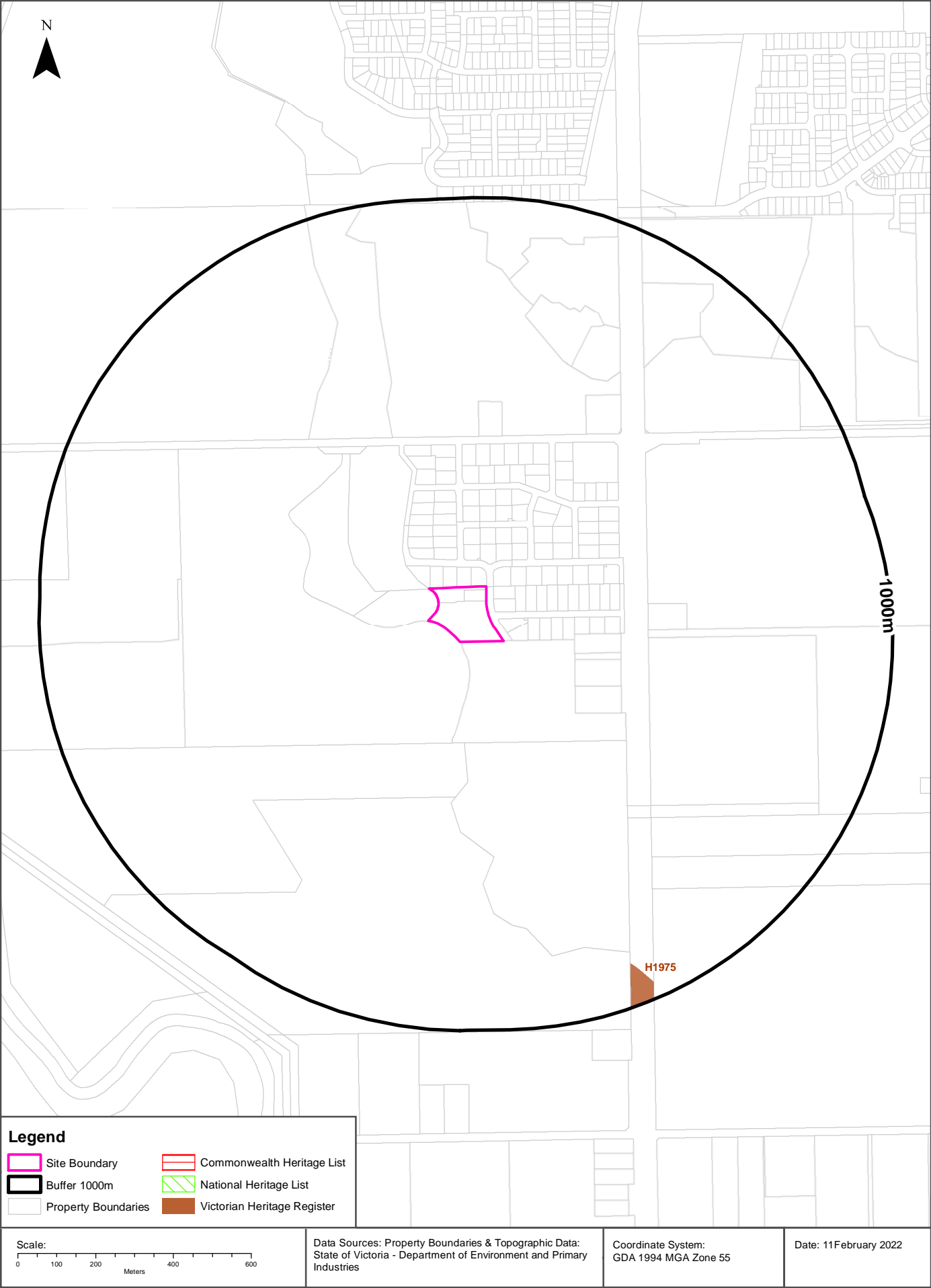
34 Lomandra Drive, Kialla, VIC 3631

Planning Overlays

Planning overlays within the dataset buffer:

Zone Code	Description	Distance	Direction
SCO3	SPECIFIC CONTROLS OVERLAY - SCHEDULE 3	0m	On-site
DPO3	DEVELOPMENT PLAN OVERLAY - SCHEDULE 3	0m	On-site
DCPO2	DEVELOPMENT CONTRIBUTIONS PLAN OVERLAY - SCHEDULE 2	0m	On-site
EAO	ENVIRONMENTAL AUDIT OVERLAY	0m	On-site
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	0m	On-site
DPO1	DEVELOPMENT PLAN OVERLAY - SCHEDULE 1	0m	On-site
DDO2	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 2	129m	North East
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	305m	West
DPO15	DEVELOPMENT PLAN OVERLAY - SCHEDULE 15	386m	North
EAO	ENVIRONMENTAL AUDIT OVERLAY	386m	North
FO	FLOODWAY OVERLAY	446m	East
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	521m	East
AEO	AIRPORT ENVIRONS OVERLAY	568m	North East
DCPO2	DEVELOPMENT CONTRIBUTIONS PLAN OVERLAY - SCHEDULE 2	625m	North
EAO	ENVIRONMENTAL AUDIT OVERLAY	625m	North
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	625m	North
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	659m	East
BMO	BUSHFIRE MANAGEMENT OVERLAY	687m	North
FO	FLOODWAY OVERLAY	724m	North East
FO	FLOODWAY OVERLAY	782m	North East
VPO2	VEGETATION PROTECTION OVERLAY - SCHEDULE 2	863m	South East
HO22	HERITAGE OVERLAY (HO22)	890m	South East
DPO3	DEVELOPMENT PLAN OVERLAY - SCHEDULE 3	990m	North

Planning Overlay Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Heritage

34 Lomandra Drive, Kialla, VIC 3631

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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Victorian Heritage Register

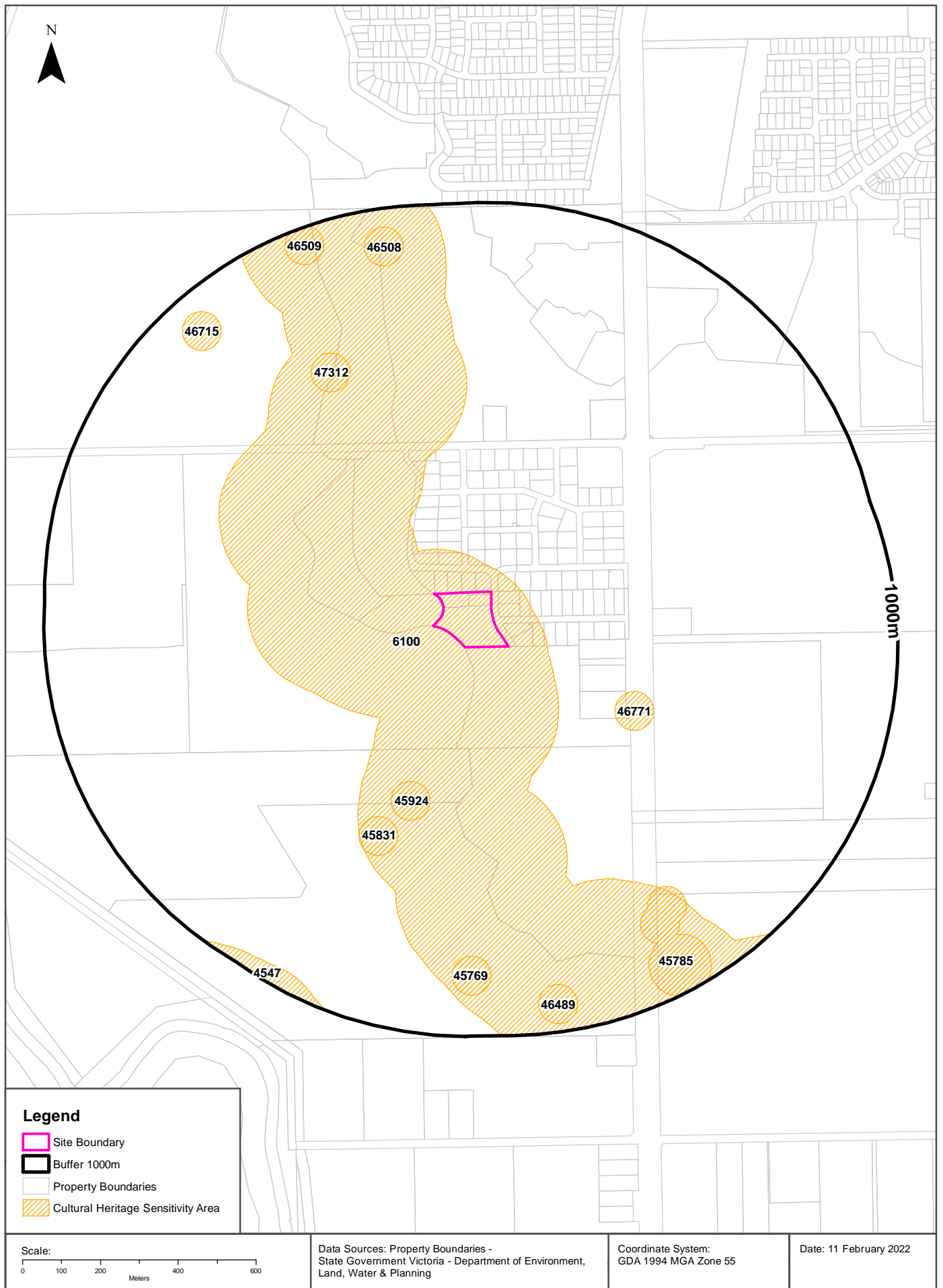
What are the Victorian Heritage Register items located within the dataset buffer?:

VHR Number	Description	Distance	Direction
H1975	CALDER WOODBURN MEMORIAL AVENUE	890m	South East

Victorian Heritage Register Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Cultural Heritage Sensitivity

34 Lomandra Drive, Kialla, VIC 3631



Heritage

34 Lomandra Drive, Kialla, VIC 3631

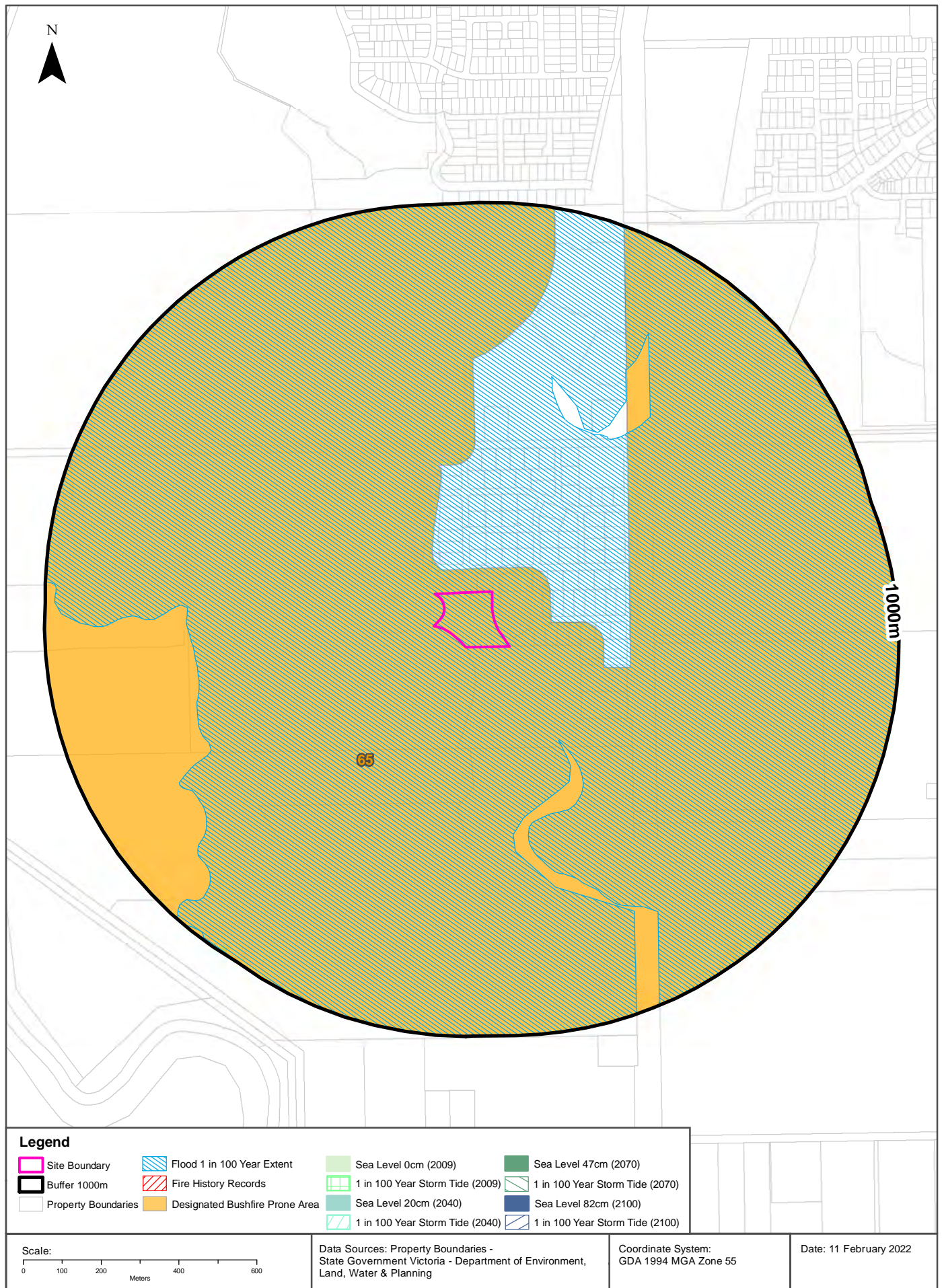
Cultural Heritage Sensitivity

Areas of Cultural Heritage Sensitivity as specified in Division 3 of Part 2 in the Victorian Aboriginal Heritage Regulations 2018, within the dataset buffer:

Map Id	Distance	Direction
6100	0m	On-site
46771	313m	South East
45924	369m	South
45831	484m	South West
47312	578m	North West
45785	731m	South East
45769	795m	South
46715	851m	North West
46508	852m	North
46489	877m	South
46509	906m	North West
4547	951m	South West

Cultural Heritage Sensitivity Data Custodian: State Government Victoria - Department of Premier and Cabinet
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34 Lomandra Drive, Kialla, VIC 3631



Natural Hazards

34 Lomandra Drive, Kialla, VIC 3631

Bushfire Prone Areas

What are the designated bushfire prone areas within the dataset buffer?

Map ID	Feature	Plan No	LGA	Gazetted Date	Distance	Direction
65	Designated Bushfire Prone Area	LEGL./20-291	GREATER SHEPPARTON	07/09/2020	0m	On-site

Bushfire Prone Area Data Custodian: State Government Victoria - Dept of Transport, Planning & Local Infrastructure
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Fire History

What are the fire history records of fires primarily on public land, within the dataset buffer?

Map Id	Fire Type	Fire Key	Season	Fire No	Fire Name	Treatment	Fire Cover	Start Date	Dist (m)	Direction
N/A	No records in buffer									

Fire History Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Flood - 1 in 100 year modelled flood extent

What 1 in 100 year flood extent features exist within the dataset buffer?

Feature	Source	Method	Scale	Modified Date	Distance	Direction
100 Year Flood Outline	Dept. Planning	Sourced from planning scheme spatial data		01/12/2008	0m	On-site

Flood Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Natural Hazards

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Victorian Coastal Inundation Sea Level Rise

What coastal inundation sea level rise features exist within the dataset buffer?

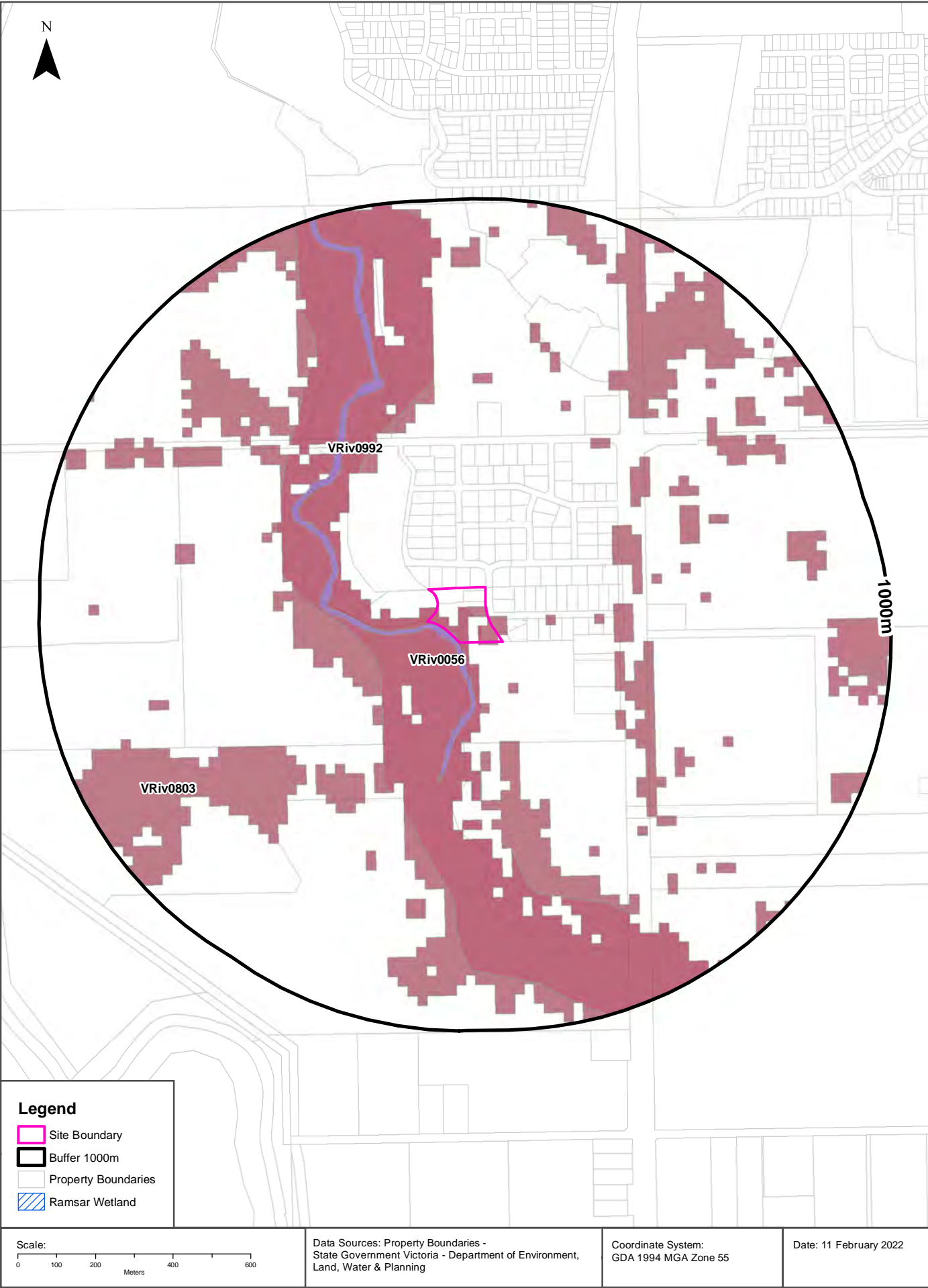
Description	Distance	Direction
No records in buffer		

Victorian Coastal Inundation Sea Level Rise Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning

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Ecological Constraints - Native Vegetation 2005 & Ramsar Wetlands

34 Lomandra Drive, Kialla, VIC 3631



Ecological Constraints

34 Lomandra Drive, Kialla, VIC 3631

Native Vegetation (Modelled 2005 Ecological Vegetation Classes)

What native vegetation exists within the dataset buffer?

Veg Code	EVC Name	EVCCode	Group	Subgroup	Bioregion	Conservation Status	Geographic Occurance	Dist	Dir
VRiv0056	Floodplain Riparian Woodland	0056	Riverine Grassy Woodlands or Forests	Creekline and/or swampy	Victorian Riverina	Vulnerable	Common	0m	On-site
VRiv0803	Plains Woodland	0803	Plains Woodlands or Forests	Poorly-draining	Victorian Riverina	Endangered	Common	0m	On-site
VRiv0992	Water Body - Fresh	0992	No native vegetation recorded		Victorian Riverina	Not Applicable	not applicable	0m	On-site

Native Vegetation Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ramsar Wetlands

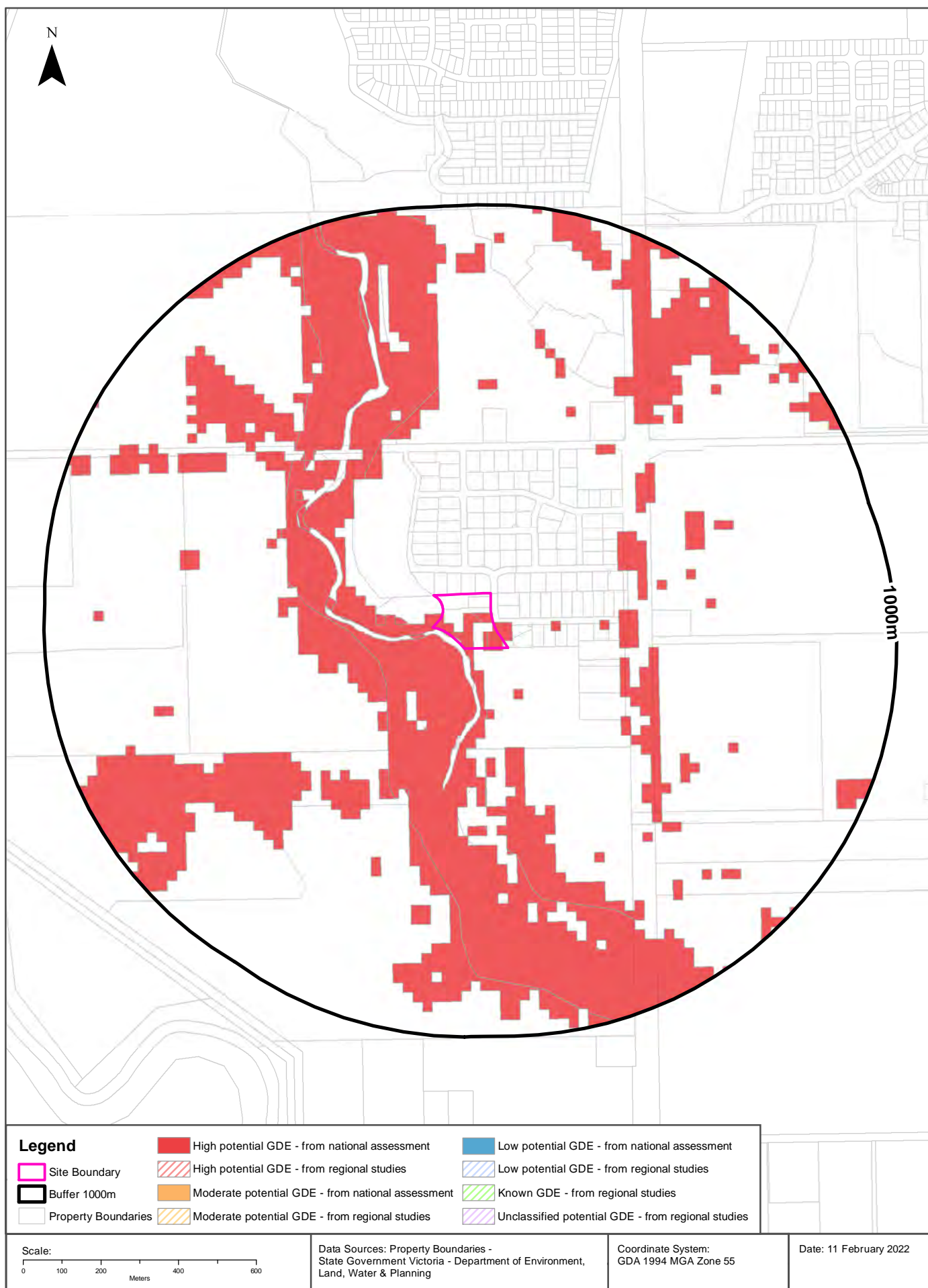
What Ramsar wetland areas exist within the dataset buffer?

Map ID	Site Name	Lake Name	Distance	Direction
N/A	No records in buffer			

Ramsar Wetland Area Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ecological Constraints - Groundwater Dependent Ecosystems Atlas

34 Lomandra Drive, Kialla, VIC 3631



Ecological Constraints

34 Lomandra Drive, Kialla, VIC 3631

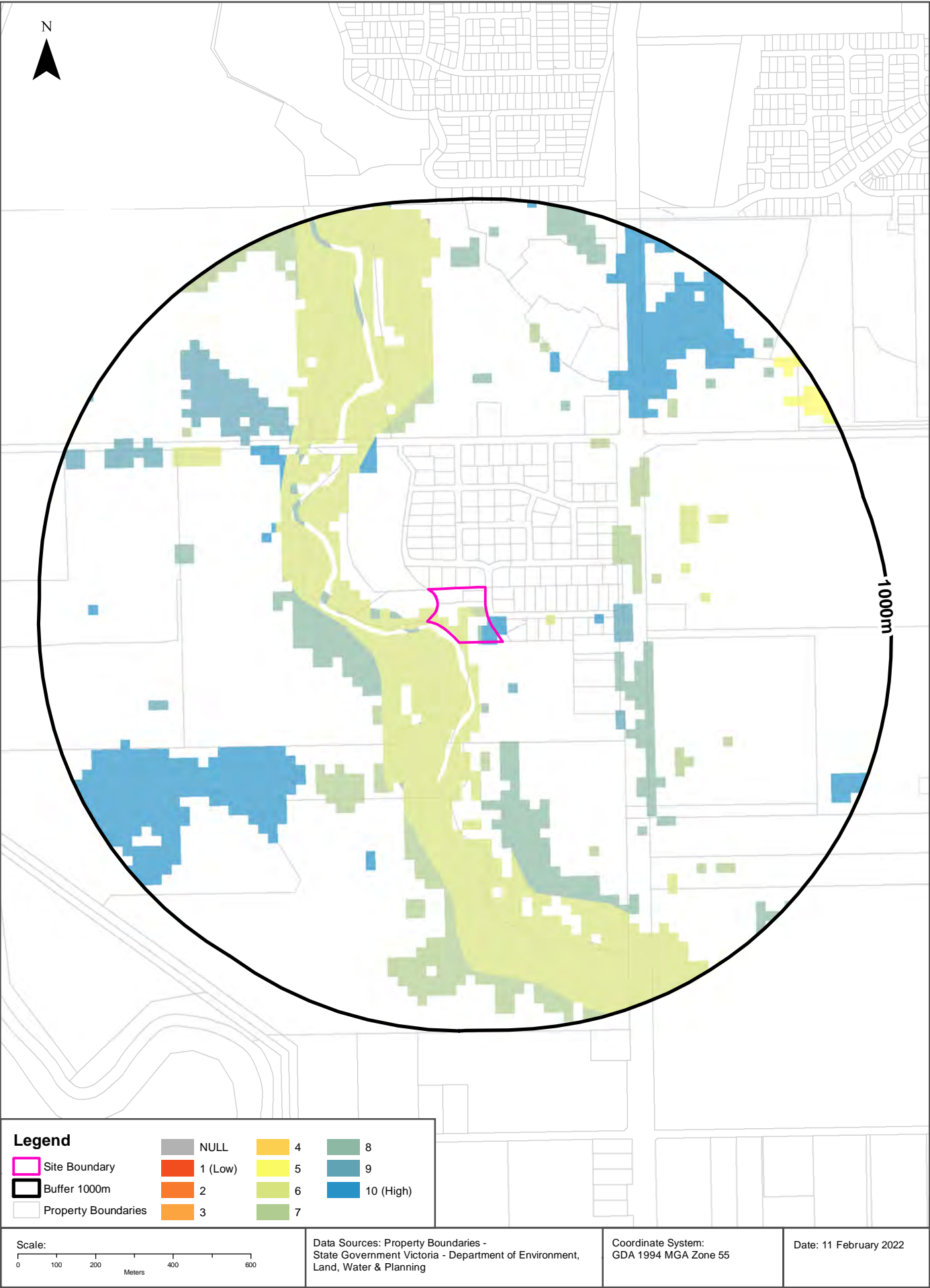
Groundwater Dependent Ecosystems Atlas

Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		High potential GDE - from national assessment	Alluvial plain.	Vegetation		0m	On-site
Aquatic	SEVEN CREEKS	High potential GDE - from national assessment	Alluvial plain.	River		29m	South West

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

34 Lomandra Drive, Kialla, VIC 3631



Ecological Constraints

34 Lomandra Drive, Kialla, VIC 3631

Inflow Dependent Ecosystems Likelihood

Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		6	Alluvial plain.	Vegetation		0m	On-site
Terrestrial		10	Alluvial plain.	Vegetation		0m	On-site
Terrestrial		7	Alluvial plain.	Vegetation		0m	On-site
Terrestrial		8	Alluvial plain.	Vegetation		0m	On-site
Aquatic	SEVEN CREEKS	8	Alluvial plain.	River		29m	South West
Terrestrial		9	Alluvial plain.	Vegetation		108m	South East
Terrestrial		5	Alluvial plain.	Vegetation		899m	North East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology

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Location Confidences

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

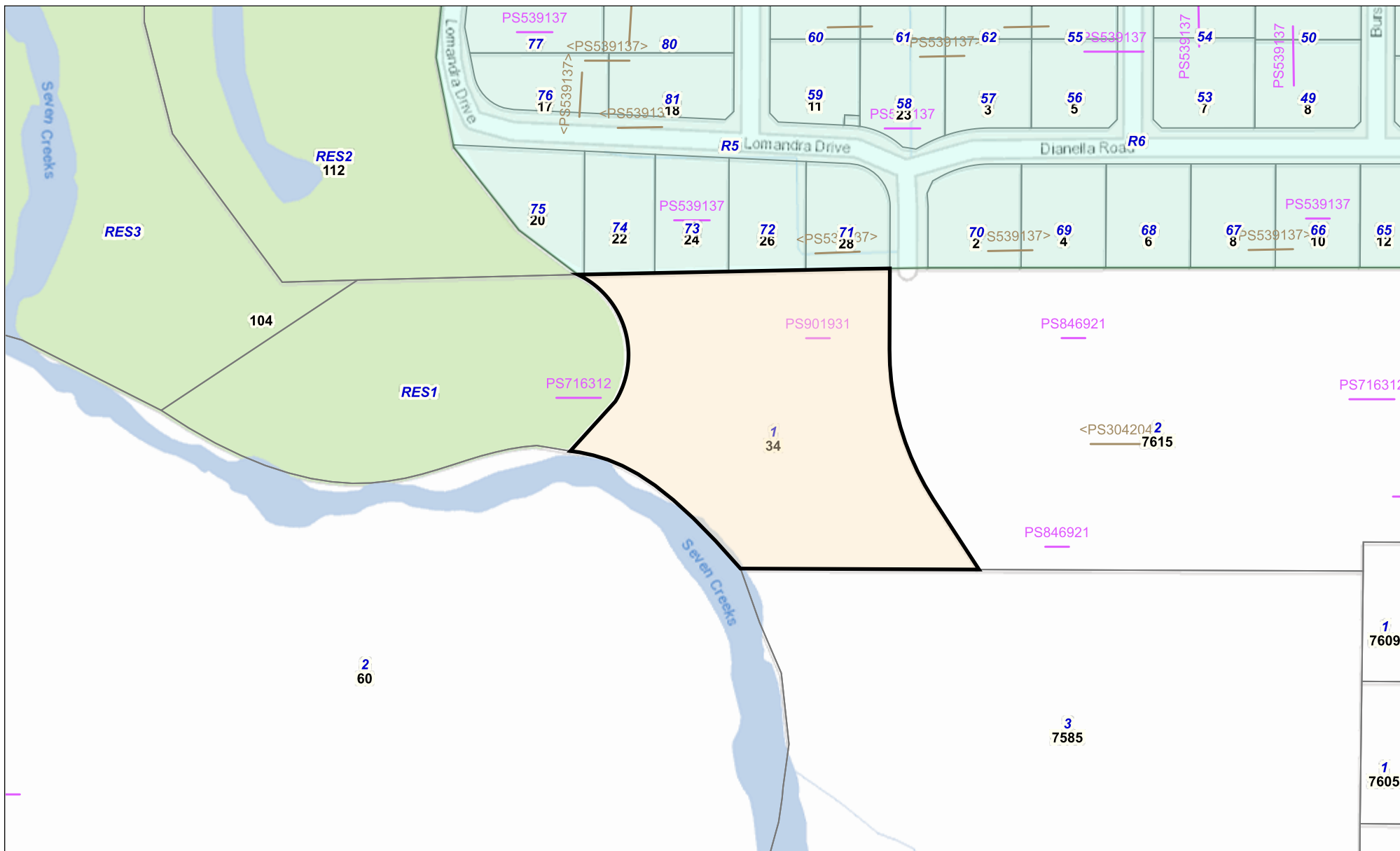
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 12. These Terms are subject to New South Wales law.


Appendix D: CURRENT AND HISTORICAL TITLES



<p>Co-ordinates of Plot Corners</p> <p>NW 354798,5965684</p> <p>SW 354806,5965285</p> <p>MGA Zone 55</p>	<p>Data Source: Vicmap Property</p> <p>0 20 40 60 80 100 120 140 160 180 200m</p> <p>Scale of Metres (1:2,500)</p> <p>MGA Zone 55</p> <p>Vicroads- 32 H9 (ed.8)</p> <p>Created 12:38 PM on Dec 10, 2021</p>	<p>Co-ordinates of Plot Corners</p> <p>NE 355460,5965698</p> <p>SE 355468,5965299</p> <p>MGA Zone 55</p>
--	---	--


WARNING: No warranty is given as to the accuracy or completeness of this map. Dimensions are approximate. For property dimensions, undertake a Title search.

Signed by Council: Greater Shepparton City Council, Council Ref: S 2013-50, 2012-118, Original Certification: 22/01/2015, Recertification: 06/12/2019, S.O.C.: 06/12/2019

PLAN OF SUBDIVISION		EDITION 1	PS716312P	
LOCATION OF LAND PARISH: KIALLA TOWNSHIP: - SECTION: - CROWN ALLOTMENT: 61B (PART) CROWN PORTION: - TITLE REFERENCE: C/T V.10010 F.959 LAST PLAN REFERENCE: LOT 2 ON PS304204Q POSTAL ADDRESS: 7615 GOULBURN VALLEY HIGHWAY (at time of subdivision) KIALLA 3631 MGA CO-ORDINATES: E: 355 300 ZONE: 55 (of approx centre of land in plan) N: 5 965 500		Council Name: GREATER SHEPPARTON CITY COUNCIL		
VESTING OF ROADS OR RESERVES		NOTATIONS		
Identifier	Council/Body/Person		LOTS 1, 2 & THE CONNECTION 179°02'10" 365.55 ARE THE RESULT OF THIS SURVEY. THE AREA OF RESERVE NO.1 HAS BE DEDUCTED FROM TITLE. PART OF LOT 1 & RESERVE NO.1 ARE LIABLE TO INUNDATION BY FLOODING.	
RESERVE NO.1	GREATER SHEPPARTON CITY COUNCIL			
NOTATIONS				
SURVEY: THIS PLAN IS BASED ON SURVEY. STAGING: THIS IS NOT A STAGED SUBDIVISION. PLANNING PERMIT NO. 2012-118 DEPTH LIMITATION: DOES NOT APPLY THIS SURVEY HAS BEEN CONNECTED TO PERMANENT MARKS NO(s) KIALLA PM 30, 95, 263 IN PROCLAIMED SURVEY AREA NO. 39				
EASEMENT INFORMATION				
LEGEND: A - Appurtenant Easement E - Encumbering Easement R - Encumbering Easement (Road)				
Easement Reference	Purpose	Width (Metres)	Origin	Land Benefited/In Favour Of
SEE SHEET 2 FOR EASEMENT INFORMATION				
 PO Box 2120 98 Nixon Street Shepparton Vic 3630 Tel (03) 5821 7171 Fax (03) 5821 2725		SURVEYOR REFERENCE NO: 2017 DIGITALLY SIGNED BY: ANTHONY M ONLEY SURVEYOR'S PLAN VERSION: 08		ORIGINAL SHEET SIZE: A3 SHEET 1 OF 4 PLAN REGISTERED TIME: 11.33am DATE: 17/01/2020 Assistant Registrar of Titles Denise Satti

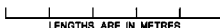
Digitally signed by: Anthony Martin Onley, Licensed Surveyor, Surveyor's Plan Version (08) SPEAR Ref: S037180P 06/12/2019

PS716312P				
Easement Reference	Purpose	Width (Metres)	Origin	Land Benefited/In Favour Of
E-1, E-3, E-5, E-8, E-10, E-14, E-15	POWERLINE	SEE DIAG	THIS PLAN - SEC 88	POWERCOR AUSTRALIA LTD
			ELECTRICITY INDUSTRY ACT 2000	
E-1, E-3, E-5, E-8, E-10, E-14, E-15	ELECTRICITY SUPPLY	SEE DIAG	LP126345	LOTS ON LP126345
E-2, E-3, E-7, E-4, E-5, E-9, E-10	WATER SUPPLY	5	LP128944	LOTS ON LP128944
E-6, E-7, E-8, E-9, E-10, E-15, E-16	WATER SUPPLY	SEE DIAG	PS304204Q	LOT 1 ON PS304204Q
	CARRIAGEWAY	11	THIS PLAN	LOT 1 ON THIS PLAN
E-11, E-17	DRAINAGE	4	THIS PLAN	LOT 2 ON THIS PLAN
E-12, E-14, E-15, E-16, E-17	POWER SUPPLY (UNDERGROUND)	SEE DIAG	AS023690P	POWERCOR AUSTRALIA LTD
E-13, E-11, E-17	DRAINAGE	4	THIS PLAN	GREATER SHEPPARTON CITY COUNCIL



PO Box 2120
98 Nixon Street
Shepparton Vic 3630
Tel (03) 5821 7171
Fax (03) 5821 2725

SCALE
NTS



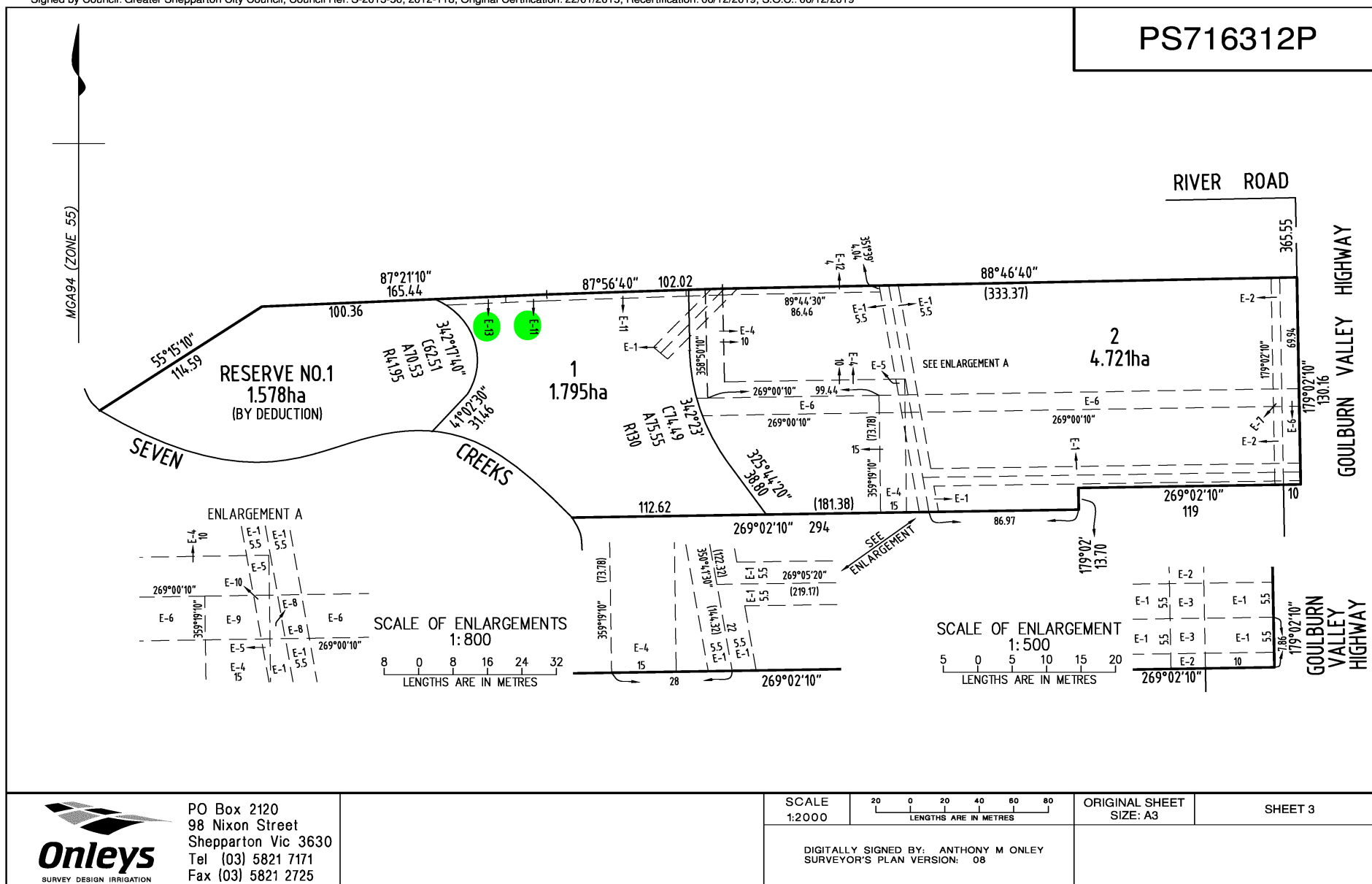
LENGTHS ARE IN METRES

ORIGINAL SHEET
SIZE: A3

SHEET 2

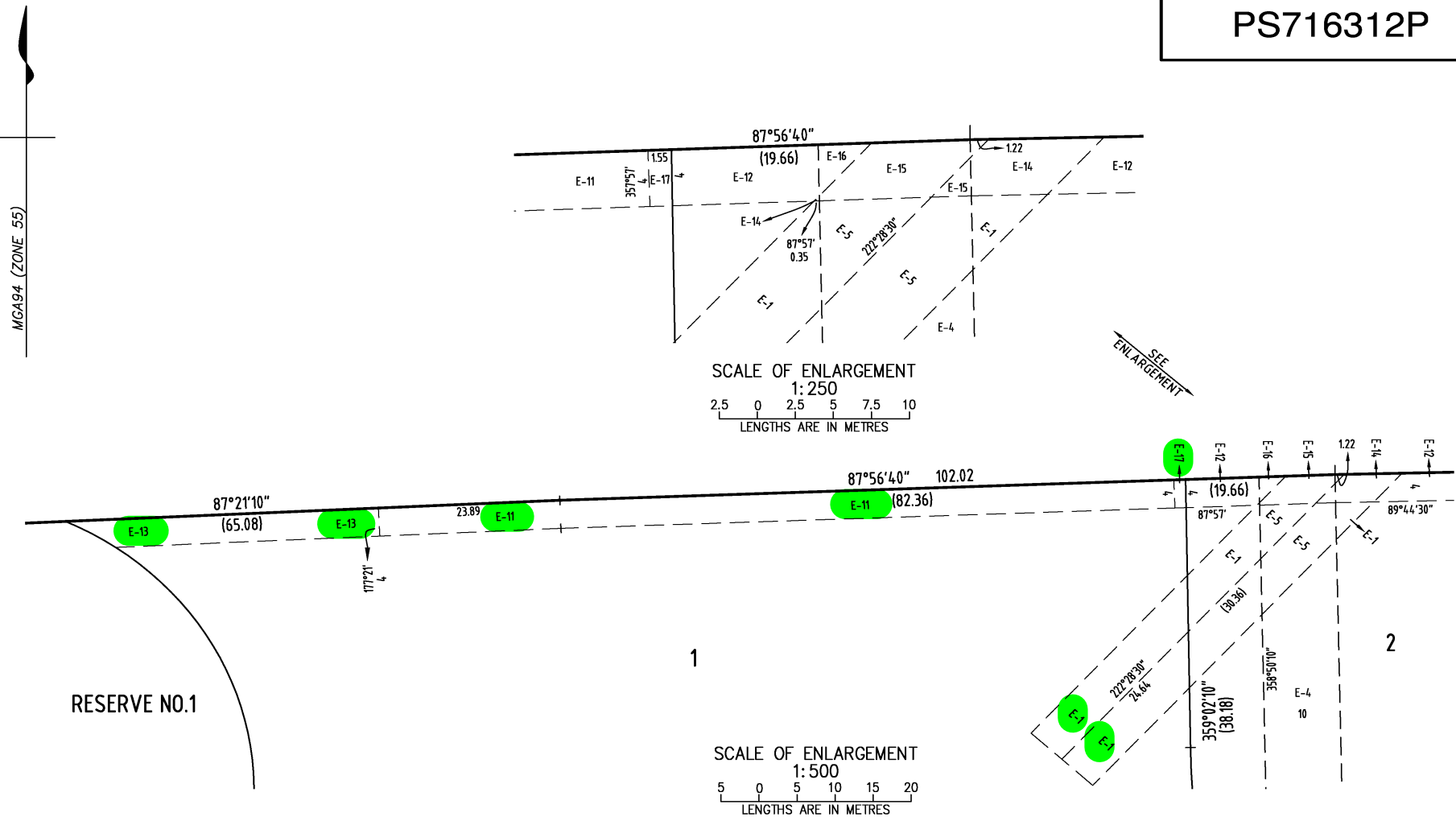
DIGITALLY SIGNED BY: ANTHONY M ONLEY
SURVEYOR'S PLAN VERSION: 08

Signed by Council: Greater Shepparton City Council, Council Ref: S-2013-50, 2012-118, Original Certification: 22/01/2015, Recertification: 06/12/2019, S.O.C.: 06/12/2019



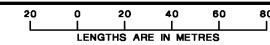
Digitally signed by: Anthony Martin Onley, Licensed Surveyor, Surveyor's Plan Version (08) SPEAR Ref: S037180P 06/12/2019

PS716312P



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SCALE
1:2000



ORIGINAL SHEET
SIZE: A3

SHEET 4

DIGITALLY SIGNED BY: ANTHONY M ONLEY
SURVEYOR'S PLAN VERSION: 08

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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 01191 FOLIO 180

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6656/175 CANCELLED

-----END OF REGISTER SEARCH STATEMENT-----

Additional information: (not part of the Register Search Statement)

Street Address: RAFTERY ROAD KIALLA VIC 3631

DOCUMENT END

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Entered in the Register Book,

Vol. 1197

Folio

238180



Victoria

3524

20 Dec 1869

by the Grace of God of the United Kingdom of Great Britain and Ireland QUEEN Defender of the Faith to all to whom these presents shall come GREETING
Whereas in conformity with the laws relating to the sale and occupation of Crown Lands in our Colony of Victoria the person hereinafter named has in consideration of the sum of Two hundred and forty two pounds which sum has been duly paid to us become entitled to a grant in fee simple of the land hereinafter described Now know ye that in consideration of the sum so paid and in pursuance of The Land Act 1869 We do HEREBY GRANT unto

George Mc Nab of Kiatta

his heirs and assigns ALL THAT PIECE OF LAND in the said Colony containing two hundred and forty one acres two roods and twenty nine perches more or less being Allotment sixty one B in the Parish of Kiatta County of Moira

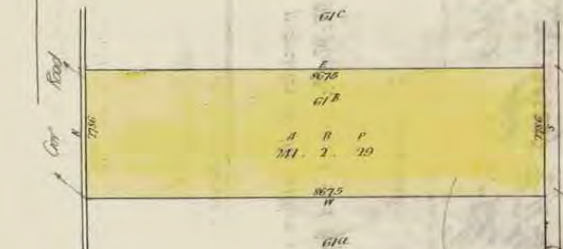
delineated with the measurements and abutments thereof in the map drawn in the margin of these presents and therein colored yellow To hold unto the said George Mc Nab

his heirs and assigns for ever EXCEPTING however unto us our heirs and successors all gold and auriferous earth or stone and all mines containing gold within the boundaries of the said land AND ALSO reserving to us our heirs and successors free liberty and authority for us our heirs and successors and our and their agents and servants at any time or times hereafter to enter upon the said land and to search and mine therein for gold and to extract and remove therefrom any gold and any auriferous earth or stone and for the purposes aforesaid to sink shafts erect machinery carry on any works and do any other things which may be necessary or usual in mining PROVIDED ALWAYS that it shall be lawful for us our heirs and successors at any time on paying full compensation to the said George Mc Nab

his heirs executors administrators or assigns for the full value other than auriferous of the said piece of land or so much thereof as may be resumed as hereinafter mentioned and of the improvements upon the said piece of land or the part so resumed such value in case of disagreement to be ascertained by arbitration to resume the said piece of land or any part thereof for mining purposes

AND THAT the terms conditions and events upon which such land may be resumed and the manner in which such arbitration may be conducted may be determined by regulations in such manner as the Governor in Council may from time to time direct or if at any time no such regulations shall be in force then by the regulations concerning the resumption of land for mining purposes in force at the date of this Grant unless Parliament shall otherwise determine

In testimony whereof we have caused this our Grant to be sealed with the Seal of the said Colony Witness our trusty and well-beloved the Most Honorable George Augustus Constantine Marquis of Normanby Earl of Mulgrave Viscount Normanby and Baron Mulgrave of Mulgrave all in the County of York in the Peerage of the United Kingdom and Baron Mulgrave of New Ross in the County of Wexford in the Peerage of Ireland a Member of Her Majesty's Most Honorable Privy Council Knight Grand Cross of our Most Distinguished Order of Saint Michael and Saint George Governor and Commander in Chief of the said Colony of Victoria and its Dependencies and Vice Admiral of the same at Melbourne this Twenty eighth day of May in the third year of our Reign and in the year of our Lord One thousand eight hundred and eighty



NOTE.—The bearings and measurements are approximately given in this plan. The measurements are in links.



Delivered by LANDATA® timestamp 07/12/2021 09:36 Page 1 of 4



170

20/11/69

ORIGINAL CROWN GRANTS
NOT TO BE DEALT WITH OUTSIDE THE TITLES OFFICE

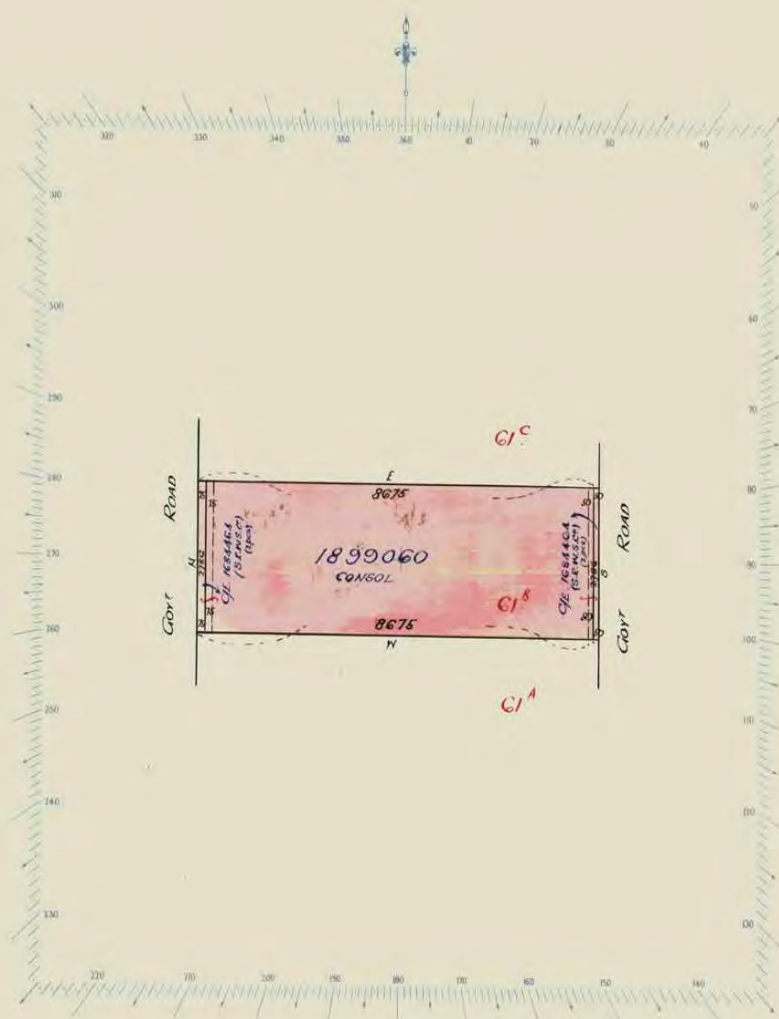
MEMORIALS OF INSTRUMENTS.


Nature of Instrument.	Time of its Production for Registration.	Names of the Parties to it.	Number or Symbol thereon.
<p>✓ Memo No 28862 <i>Harriet McNabb</i> of Shepparton, Widow is registered proprietor of the within-described land as Executrix to whom probate of the will of George McNabb, (who died 9th June, 1902) was granted on the 8th July, 1902. Dated the 2nd September, 1902.</p>		<p><i>C. J. Thompson</i> Assistant-Registrar of Titles.</p>	
<p>✓ Harriet McNabb of Shepparton, Widow, is now the proprietor of the within described Estate and Land by Transfer from the above-named Harriet McNabb registered 2nd September, 1902, at 3 pm., and Numbered 460286.</p>		<p><i>C. J. Thompson</i> Assistant-Registrar of Titles.</p>	
<p>✓ Red Ink No. 2315400. <i>Harriet McNabb</i> died on 17th ---- April 1922. Probate has been granted to ---- <i>Samuel McNabb</i> of North Murchison and <i>James</i> <i>Martin McNabb</i> of Kialla Farmers --- Dated 30th November 1922.</p>		<p>CAVEAT NO 96383 LODGED 10th March 1938 CAVEAT NO 96383 CAPSED 7th April 1938 <i>Mos Gleeson</i> Assistant Registrar of Titles</p>	
<p>✓ James Martin McNabb of Kialla Farmer is - now the proprietor of the within described estate by transfer from <i>Samuel McNabb</i> and <i>James</i> ---- <i>Martin McNabb</i> registered on 23rd February 1923- and numbered 1090422.</p>		<p>CREATION OF EASEMENT to STATE RIVERS AND WATER SUPPLY COMMISSION registered on 7th April 1938, numbered 1654464. <i>H. Newman</i> Assistant Registrar of Titles</p>	
<p>✓ William Edwards of Shepparton Ben Keman is now the proprietor of the within described estate by transfer from <i>James Martin McNabb</i> registered on 29th October 1925 and numbered 1238750.</p>		<p>TRANSFER to Alan Edwin Lurch registered on 25 November 1945 numbered 199060 CANCELLED See Certificate of Title Vol. 6656 Fol. 1331 <i>A. H. Sinclair</i> Assistant Registrar of Titles.</p>	
<p>✓ James Martin McNabb registered on 29th October 1925 and numbered 527974 <i>A. H. Sinclair</i> Assistant Registrar of Titles</p>		<p>CANCELLED DUP. WITH JAN 1944</p>	
<p>✓ Frederick Eaden Delwyn Scott of Yurlong <i>Scotsburn Grazier</i> is now the proprietor of the within described estate by transfer registered on 17th December 1936 and numbered 1633681.</p>		<p><i>A. H. Sinclair</i> Assistant Registrar of Titles</p>	

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Vol. 1131 fol. - 180



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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

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Entered in the Register Book

CANCELLED

Vol. 6656 Fol. 1331173

VICTORIA

Certificate of Title,

UNDER THE "TRANSFER OF LAND ACT 1928."

MR
Allan Edwin Tainsh Roberts of 6 Higham Road Upper Hawthorn Merchant is
now the proprietor of an Estate in Fee-simple, subject to the Encumbrances
notified hereunder in All those pieces of Land, delineated and coloured
red and blue on the map in the margin containing Six hundred and twenty-three acres
Two roods and Twelve perches or thereabouts being Crown Allotments Fifty-nine^A, ---
Sixty-one^B, Sixty-one^C and Seventy-three Parish of Kialla County of Moira -----

ORIGINAL CERTIFICATE.
Not to be dealt with outside the Titles Office.

Dated the Fourth day of November
thousand nine hundred and forty-three.

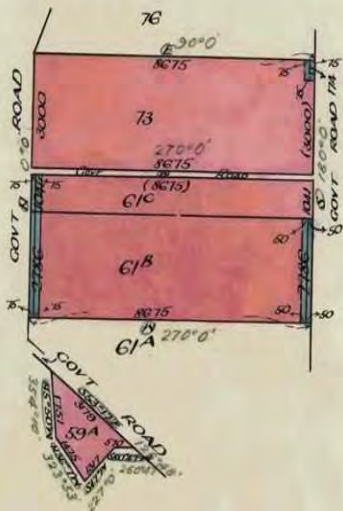


B. H. Sinclair
Assistant Registrar of Titles.

ENCUMBRANCES REFERRED TO.

As to the land colored blue ---
THE EASEMENT to State Rivers and Water Supply
Commission created by Instrument No.1684464 in
the Register Book -----

B. H. Sinclair



T06656-175-1-9

M. H.
The Measurements are in links

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WARNING

Vols. 1191 Fols 235180

Transfer. 1899060

Application.

1201	240064
1499	299698
1630	325926

TRANSFER TO *Robert William Nicholas,
Robert Archibald Nicholas and Henry
Thomas Nicholas* registered

on *9 August 1949* number *2237961*

CANCELLED For Certificate of Title

Vol. *7282* Fol. *1456390*

Heuriam

Assistant Registrar of Titles

CANCELLED

DUP. WITH

1 JUN 1949

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Crown Allotment 59A Parish of Kialla

7672/092 CANCELLED

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Entered in the Register Book

CANCELLED

Vol. 7282 Fol. 1456390

VICTORIA.

Certificate of Title,

UNDER THE "TRANSFER OF LAND ACT 1928."

Robert William Nicholas Robert Archibald Nicholas and Henry Thomas Nicholas ---
all of Kialla Farmers are now the proprietors as tenants in common in equal-----
shares -----

~~now the proprietors~~ of an Estate in Fee-simple, subject to the Encumbrances
notified hereunder in All the ~~one piece of~~ Land, delineated and coloured
red and blue on the map in the margin containing Six hundred and twenty-three acres
Two roods and Twelve perches or thereabouts being Crown Allotments Fifty-nine , ---
Sixty-one , Sixty-one and Seventy-three Parish of Kialla County of Moira - - - -

ORIGINAL CERTIFICATE.
Not to be dealt with outside the Titles Office.

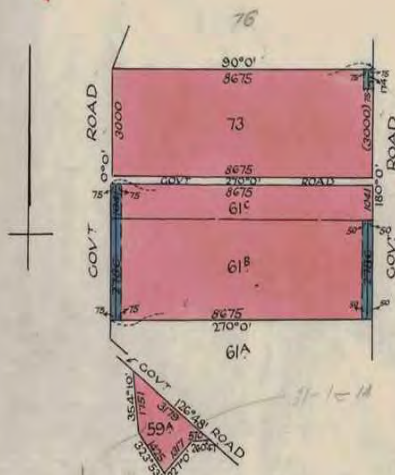
Dated the Ninth day of August One
thousand nine hundred and forty-nine.

Assistant Registrar of Titles.

ENCUMBRANCES REFERRED TO

As to the land coloured blue---

THE EASEMENT to State Rivers and Water Supply
Commission created by Instrument No.1684464--
in the Register Book -----



The Measurements are in Links



T07282-390-1-6

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Vol. 6656 Fol. 1331175

Transfer. 2237961

Application.

MORTGAGE to
Commonwealth Bank of Australia
on 9th October 1949
registered
numbered 921661
Assistant Registrar of Titles

TRANSFER AS TO PART to
John Bell Mc Niven registered
OR 19th October 1949 numbered 2261050
CANCELLED AS TO PART See Certificate of Title
Vol. 7329 Fol. 1465795 J. Hewison
Area 31-1-14 Assistant Registrar of Titles

TRANSFER AS TO BALANCE to
William Charles Life Bryson and
Grace Hope Bryson registered
on 2 Nov 1951 numbered 245227
CANCELLED See Certificate of Title
7672 Fol. 092 J. Hewison
Assistant Registrar of Titles

CANCELLED

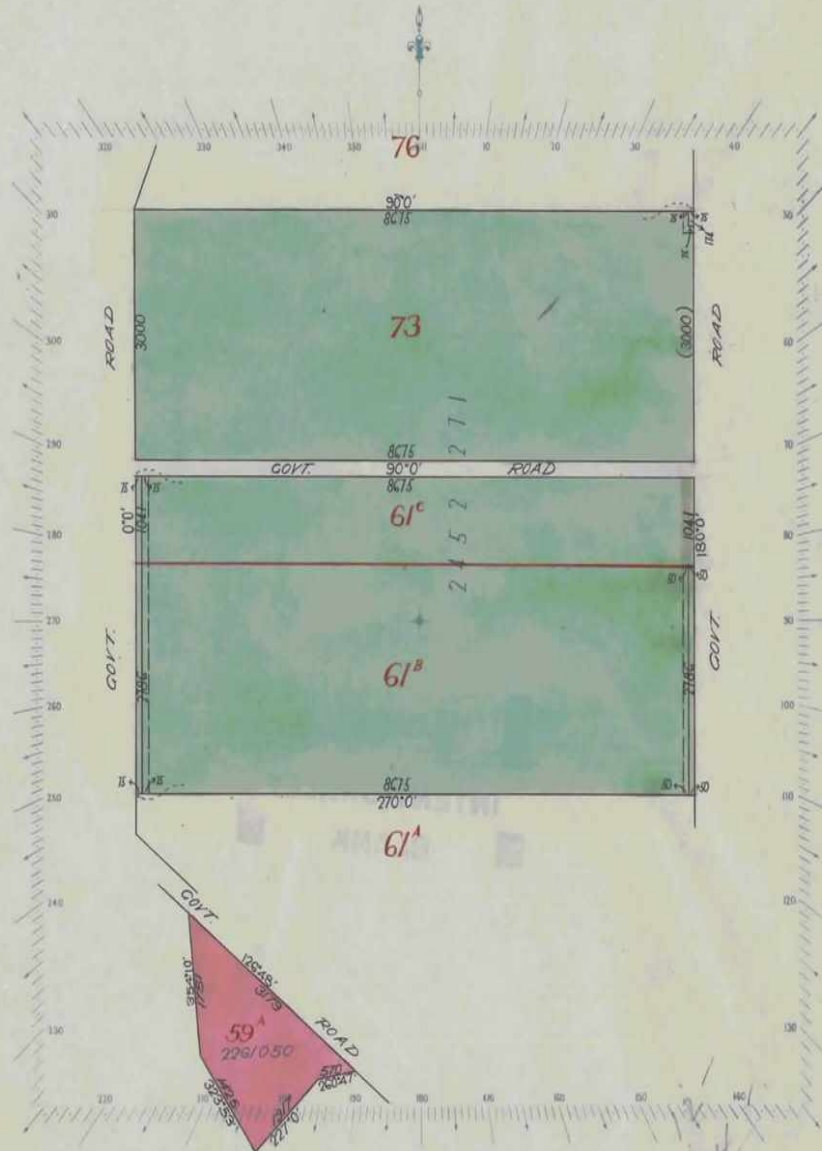
DUP. WITH
OCT 1952

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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

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VICTORIA.

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Entered in the Register Book

Vol. 7672 Fol. 092

14/10/32
JH

Certificate of Title,

UNDER THE "TRANSFER OF LAND ACT 1928."

H. H.
William Charles Fife Bryson Farmer and Grace Hope Bryson Married Woman both of
Kialla are now joint proprietors -----

~~now the proprietors~~ of an Estate in Fee-simple, subject to the Encumbrances
notified hereunder in All those pieces of Land, delineated and coloured
red and blue on the map in the margin containing Five hundred and ninety-two acres-
and Thirty-eight perches or thereabouts being Crown Allotments Sixty-one, -----
Sixty-one^C and Seventy-three Parish of Kialla County of Moira -----

Dated the Second day of November One
thousand nine hundred and fifty-one.



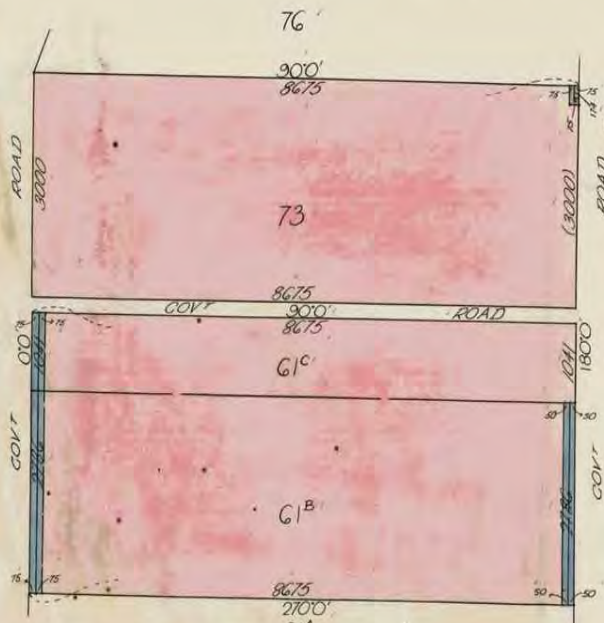
J. H. Williams

Assistant Registrar of Titles.

ENCUMBRANCES REFERRED TO.

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THE EASEMENT to State Rivers and Water Supply
Commission created by Instrument No. 1684464 -
in the Register Book -----

JH



The Measurements are in links



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Vol. 7282 Fol. 390

Transfer. 2452271

Application.

MORTGAGE to

Bank of New South Wales

DISCHARGED
on 2 Nov 1952
Assistant Registrar of Titles

registered

numbered 1014344

10 JUL 1952
J. P. Wism
Assistant Registrar of Titles

David Keith Kendall Swiddle of
Tollygarroona Farmer is

now the proprietor of the within described estate by

transfer registered on 10 JUL 1952

and numbered 2499388

awmitchell

10-11-52

Assistant Registrar of Titles

MORTGAGE to

DISCHARGED
on 25 Nov 1952
Assistant Registrar of Titles

Bank of Australia and New Zealand
Bank Limited

registered

numbered 1017097

awmitchell

Assistant Registrar of Titles

MORTGAGE to

DISCHARGED
on 25 Nov 1952
Assistant Registrar of Titles

Tweddle

registered

numbered 1020561

awmitchell

Assistant Registrar of Titles

TRANSFER TO George Eric Lawton, Amy
Gertrude Lawton and registered
on 25 Nov 1952
DANCELLED See Certificate of Title
Vol. 8057 Fol. 583
awmitchell

Assistant Registrar of Titles

CANCELLED

OP. WITH 25 FEB 1953

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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 08057 FOLIO 583

Security no : 124094230535J
Produced 07/12/2021 09:16 AM

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SEE FOLIOS:

8175/681	LIVE	Lot 3 on Plan of Subdivision 041642
8175/681	LIVE	Road R1 on Plan of Subdivision 090268
8175/682	CANCELLED	Lot 1 on Plan of Subdivision 041642
8190/269	LIVE	Lot 2 on Plan of Subdivision 041642
8204/438	CANCELLED	

DOCUMENT END

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Entered in the Register Book

Vol. 8057 Fol. 583

4/3/55

UNDER THE "TRANSFER OF LAND ACT 1928"

All those pieces of Land, delineated and coloured red and blue on the map in the margin containing Five hundred and ninety-two acres and Thirty-eight perches or thereabouts being Crown Allotments 61^B, 61^C and 73 Parish of Kiells County of --- Moira - - - - -

Dated the Twenty-fifth *day of* November

Qute

thousand nine hundred and fifty-four.



curmische

Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

As to the land coloured blue ---

THE BASEMENT to State Rivers and Water
Supply Commission created by Instrument
No.1684464 in the Register Book - - -

Chen

N197

THE WHOLE OR PART OF
THE WITHIN
BEEN SUBO
Unregistered 79/522
Misc. Plan N 192
* 11642 N°A408030

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Vol. 4672 Fol. 092

Transfer 2698485

Application

TRANSFER AS TO PART No. A423112

registered 22nd October 1958

CANCELLED AS TO PART

See Vol. 8175 Fol. 681

Area 260^A 3^R 13¹⁰ Assistant Registrar of Titles

TRANSFER AS TO PART No. A427378

registered 30th October 1957

CANCELLED AS TO PART

See Vol. 8175 Fol. 682

Area 116^A 3^R 13¹⁰ Assistant Registrar of Titles

TRANSFER AS TO PART No. A534898

registered 23rd May 1958

CANCELLED AS TO PART

See Vol. 8190 Fol. 262

Lot 42 Assistant Registrar of Titles

Area 98^A 3^R 21³⁰

TRANSFER AS TO BALANCE No. A580245

registered 5 August 1958

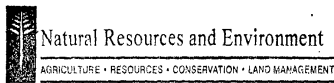
CANCELLED See Vol. 8204 Fol. 438



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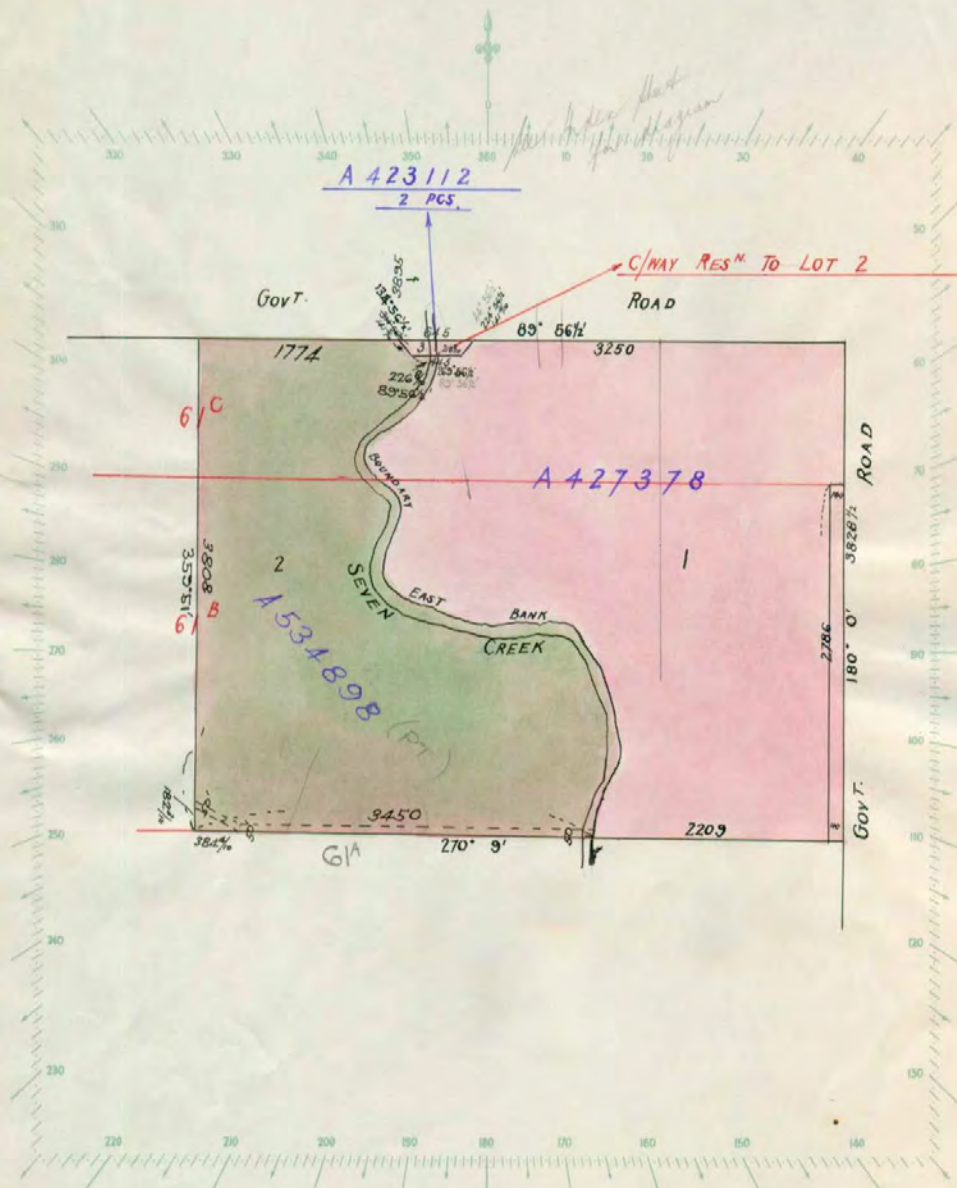
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T08057-58

SCALE: 10 CHNS. to one inch.

Vol. 8057 Fol. - 583.



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WARNING

L. P. 41642

SHEET 2

dk. 387 1/2 58.

 **Natural Resources and Environment**
AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT
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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 08175 FOLIO 682

Security no : 124094230469F
Produced 07/12/2021 09:15 AM

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SEE FOLIOS:

9300/949	LIVE	Lot 2 on Plan of Subdivision 126345
9323/899	LIVE	Lot 1 on Plan of Subdivision 128944
9512/090	LIVE	Lot 1 on Plan of Subdivision 142504
9512/091	CANCELLED	Lot 2 on Plan of Subdivision 142504
9512/092	LIVE	Road R1 on Plan of Subdivision 142504
9512/093	LIVE	Road R1 on Plan of Subdivision 126345
9512/093	LIVE	Road R2 on Plan of Subdivision 126345
9512/094	LIVE	Road R1 on Plan of Subdivision 128944

DOCUMENT END

Delivered from the LANDATA® System by InfoTrack Pty Ltd.



Vol. 8175 Fol. 682

VICTORIA

UNDER THE "TRANSFER OF LAND ACT 1954"

of Kialla - - - - -

thousand nine hundred and fifty-seven.



THE MEASUREMENTS ARE IN LINKS.

One

Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

As to the land coloured blue -

THE EASEMENT to State Rivers and Water Supply
Commission created by Instrument No.1684464 -
in the Register Book - - - - -

The above encumbrance is removed
Registered 18th August 1978- - -
No. H197892- - - - -

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WARNING

Vol. 8057 Fol. 583

Transfer A 427378

Application

Samuel Henry Minter, Contractor
and Bessie Marion Minter, married
Woman both of Euroa

are now the
proprietors as TENANTS IN COMMON IN EQUAL SHARES of
the within described estate by transfer registered
on 13th June 1958 and numbered A547854

26.8.58 12

C. B. White
REGISTERED REGISTRAR OF TITLES

SAMUEL HENRY MINTER Contractor and BESSIE
MARION MINTER Married Woman both of Euroa
and EVELYN JEAN ZIMMERMANN Married Woman and
BRIAN GEORGE ZIMMERMANN Farmer both of
Melbourne Road Kialla West are now
proprietors as TENANTS IN COMMON IN EQUAL
SHARES

Registered 15th July 1971
No. E101678



~~DISCHARGED AS TO PART~~
MORTGAGE to THE NATIONAL BANK OF
AUSTRALASIA LIMITED
Registered 12th July 1972
No. E45428 W.P.S.

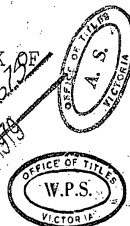


BRIAN GEORGE ZIMMERMANN Farmer and EVELYN JEAN
ZIMMERMANN Married Woman both of Melbourne Road
Kialla West are now JOINT PROPRIETORS

Registered 12th March 1975
No. F629570



~~DISCHARGED AS TO PART~~
MORTGAGE to THE NATIONAL BANK OF
AUSTRALASIA LIMITED
Registered 12th March 1975
No. F629570
TRANSFER No. 427378
DATED 14 FEB 1978



TRANSFER AS TO PART No. H311097
registered 20th November 1978
CANCELLED AS TO PART
See Vol. 9300 Fol. 949



lot 2

TRANSFER AS TO PART No. H408625
registered 14th February 1979
CANCELLED AS TO PART
See Vol. 9323 Fol. 899



lot one circa 1.214 ha

CAVEAT No. H860559 LODGED 8 FEB 1990

~~Caveat transferred to new CA~~

CANCELLED

The following Tiles have been issued
Pursuant to Regulation 12 of the
Transfer of Land Act

on 12th May 1983
Lots One to 2 in Vol. 9512 Fol. 090

Pursuant to Section 32 of the

Transfer of Land Act

Land appropriated or set apart for

easements of way, drainage and

sewerage in Vol. 9512 Fol. 092

Land appropriated or set apart for
easements of way, drainage and

sewerage in Vol. 9512 Fol. 093

Land appropriated or set apart for
easements of way, drainage and

sewerage in Vol. 9512 Fol. 094

LP 142504



CANCELLED



SCALE 10 CHAINS

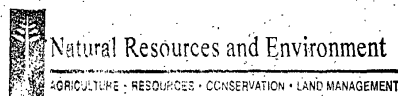
Volume 8175 Folio 682

METRIC MEASUREMENTS
SHOWN IN BLUE



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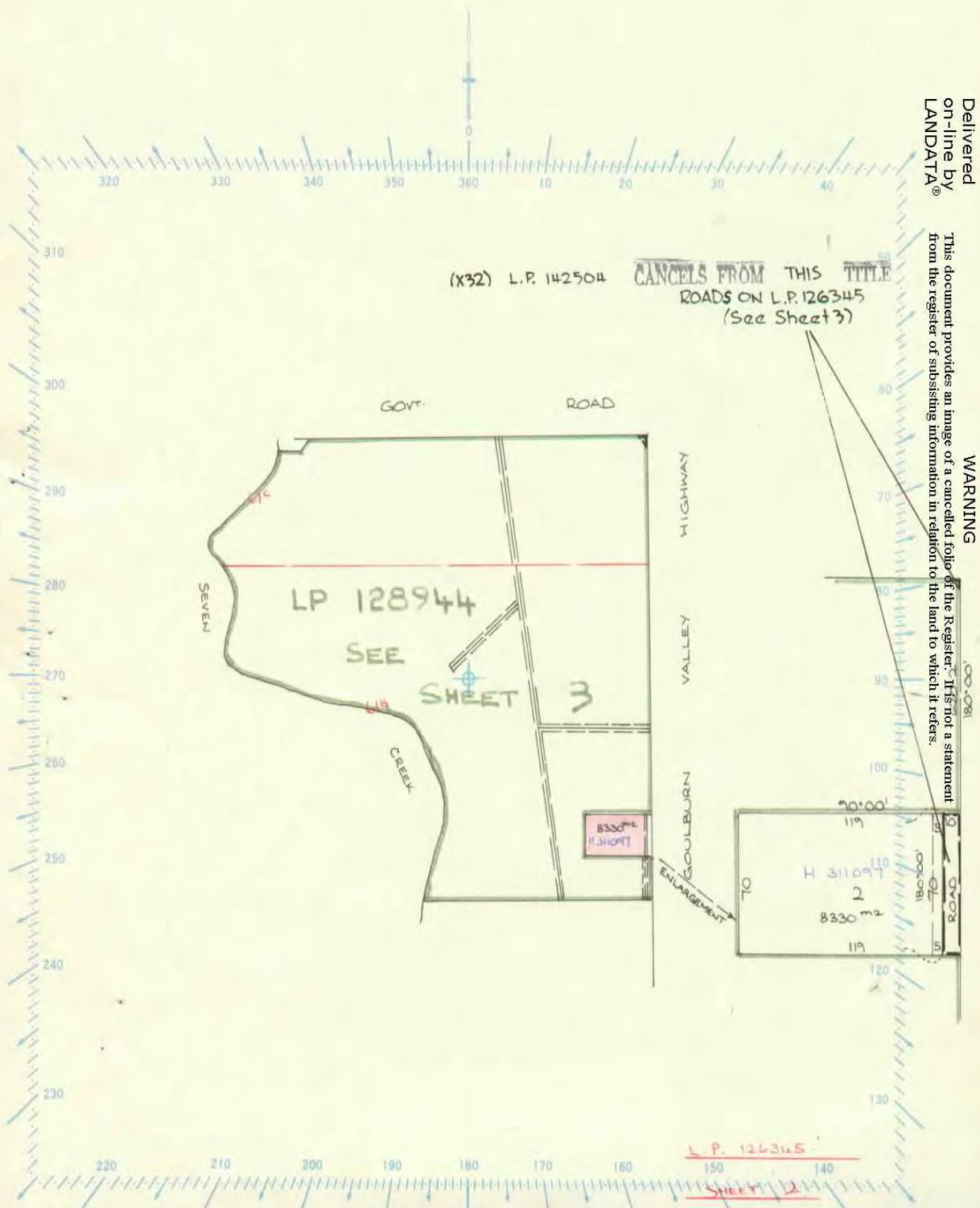
SCALE

Volume 8175 Folio 682

LENGTHS ARE IN METRES

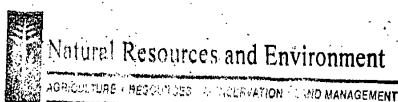
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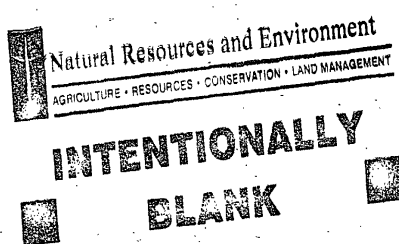
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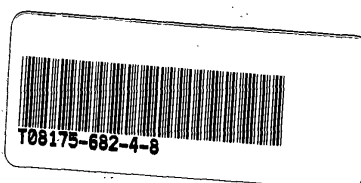
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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 09512 FOLIO 091

Security no : 124094230433U
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SEE FOLIOS:

9751/763	LIVE	Lot 1 on Plan of Subdivision 207641X
9751/764	CANCELLED	Lot 2 on Plan of Subdivision 207641X
9751/765	LIVE	Roads on Plan of Subdivision 207641X

DOCUMENT END

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ORIGINAL

**NOT TO BE TAKEN FROM THE OFFICE
OF TITLES**



VICTORIA

CANCELLED

REGISTER BOOK

VOL. 9512 FOL. 091

Certificate of Title

UNDER THE "TRANSFER OF LAND ACT"

BRIAN GEORGE ZIMMERMANN Dairy Farmer and EVELYN JEAN ZIMMERMANN - - -
Married Woman both of Melbourne Road Kialla are **JOINT PROPRIETORS** - - -
of an estate in fee simple subject to the encumbrances notified hereunder - - -
in all that land in the Parish of Kialla County of Moira being - - -
Lot 2 on Plan of Subdivision No.142504 which land is shown enclosed - - -
by continuous lines on the map hereon and identified by that lot number - - -

Issued under Regulation 12 -

Derived From
Vol.8175 Fol.682
12/5/183

[Signature]



Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

MORTGAGE F629571 -

As to any part of the land marked E-1 on the map that lies within the above-mentioned Lot -

THE EASEMENTS (if any) existing over the same by virtue of Section 98 of the Transfer of Land Act -

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T09512-091-1-8

**PLAN 207CHIX
AFFECTS LAND HEREIN**

THE MAP ABOVE REFERRED TO
IS ON THE SHEET ANNEXED TO
THIS CERTIFICATE OF TITLE

VOL. 9512 FOL. 091

CANCELLED

The following Titles have been issued
Pursuant to Regulation 10 of the
Transfer of Land Act

on 12/6/87 in Vol. 9751 Fol. 763
Lots one to 2 in Vol. 9751 Fol. 764

Pursuant to Section 32 of the
Transfer of Land Act being the
Roads in

Vol. 9751 Fol. 765

on LP 207641X

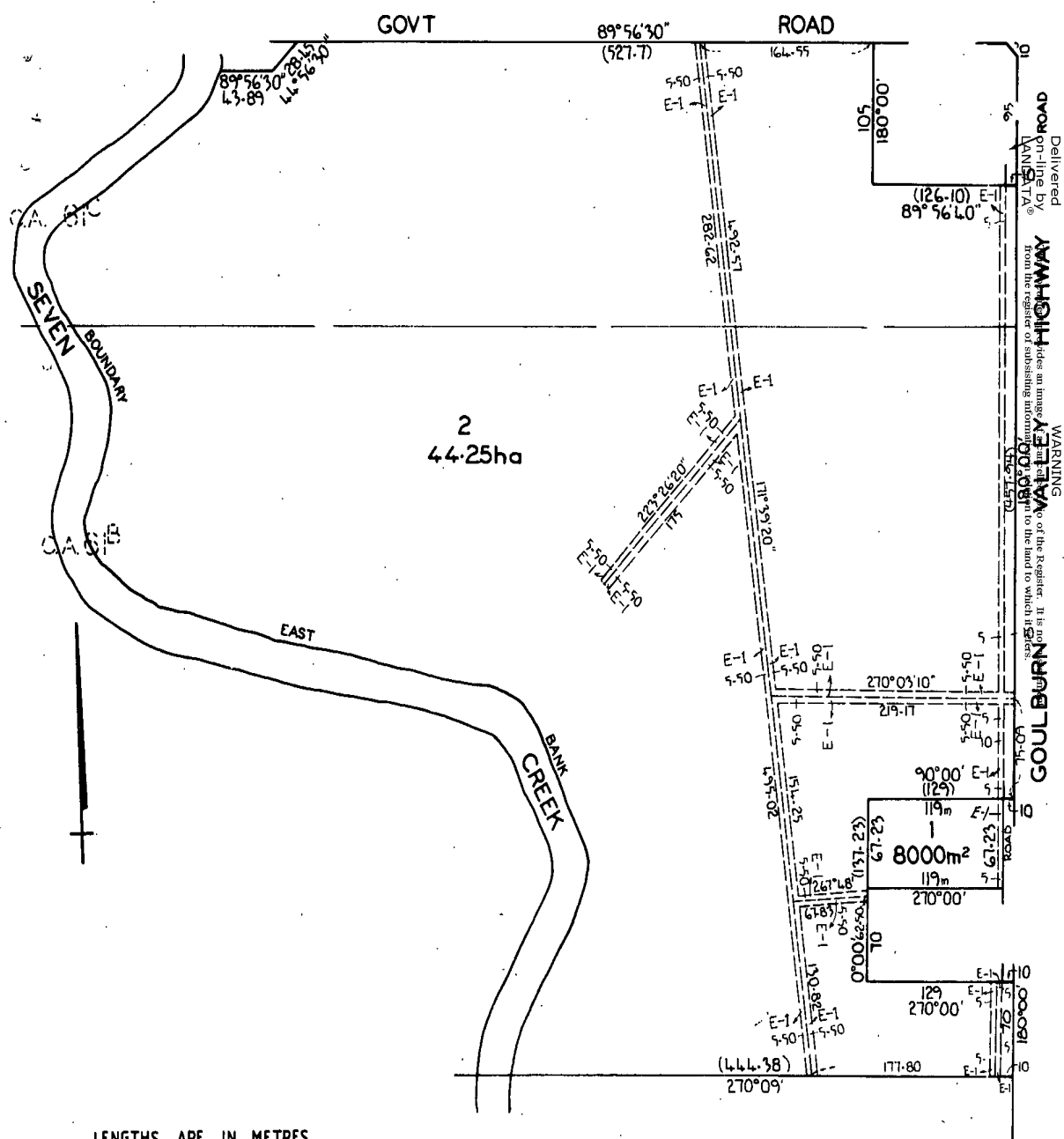


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ANNEXED SHEET REFERRED TO IN
CERTIFICATE OF TITLE VOL. 1512 FOL. 091
[Signature]
ASSISTANT REGISTRAR OF TITLES



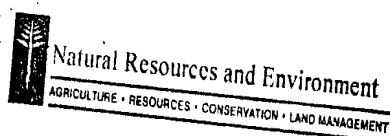
LENGTHS ARE IN METRES

AREAS (IF SHOWN) ARE IN HECTARES (ha)
OR IN SQUARE METRES (m²)



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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 09751 FOLIO 764

Security no : 124094230339W
Produced 07/12/2021 09:13 AM

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SEE FOLIOS:

9999/335 LIVE

Lot 3 on Plan of Subdivision 304197J

9999/336 CANCELLED

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VICTORIA

REGISTER BOOK

VOL. 9751 FOL. 764

Certificate of Title

UNDER THE "TRANSFER OF LAND ACT"

BRIAN GEORGE ZIMMERMANN AND EVELYN JEAN ZIMMERMANN both of Melbourne Road Kialla are JOINT PROPRIETORS of an estate in fee simple subject to the encumbrances notified hereunder in all that land in the Parish of Kialla being Lot 2 on Plan of Subdivision No. 207641X which land is shown enclosed by continuous lines on the map hereon and identified by that lot number

Issued under Regulation 10 -

Derived From
Vol. 9512 Fol. 091

12/6/87



A. Kline

Assistant Registrar of Titles

ENCUMBRANCES

MORTGAGE F629571 -
The National Bank of
Australasia Limited -
Registered 12/3/75 -

As to any part of the
land marked E-1, E-2, E-3
E-4 or E-5 on the map
that lies within the
above-mentioned lot-

THE EASEMENTS (if any)
existing over the same by
virtue of section 98 of
the Transfer of Land Act-

THE ABOVE MORTGAGE IS
DISCHARGED

11 OCT 1988



PLAN PS3041973
AFFECTS LAND HEREIN

THE MAP ABOVE REFERRED TO
IS ON THE SHEET ANNEXED TO
THIS CERTIFICATE OF TITLE



T09751-764-1-6

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VOL. 9751 FOL. 764

PROPRIETOR

SUTALL PTY. LTD. OF SUITE 3/117

WYNDHAM ST. SHEPPARTON

REGISTERED 11/10/88

N762743C



MORTGAGE TO STATE BANK
OF VICTORIA

Registered 16 NOV 1989

No. PS26002N



CANCELLED

PURSUANT TO SECTION 24 SUBDIVISION
ACT 1961 AND TITLES ISSUED AS SET
OUT HEREUNDER:

Registered 24-1-91
No. PS384197

Lots 103 in Vol 9999 Fol 335

A 10/10/1 9999 Fol 336



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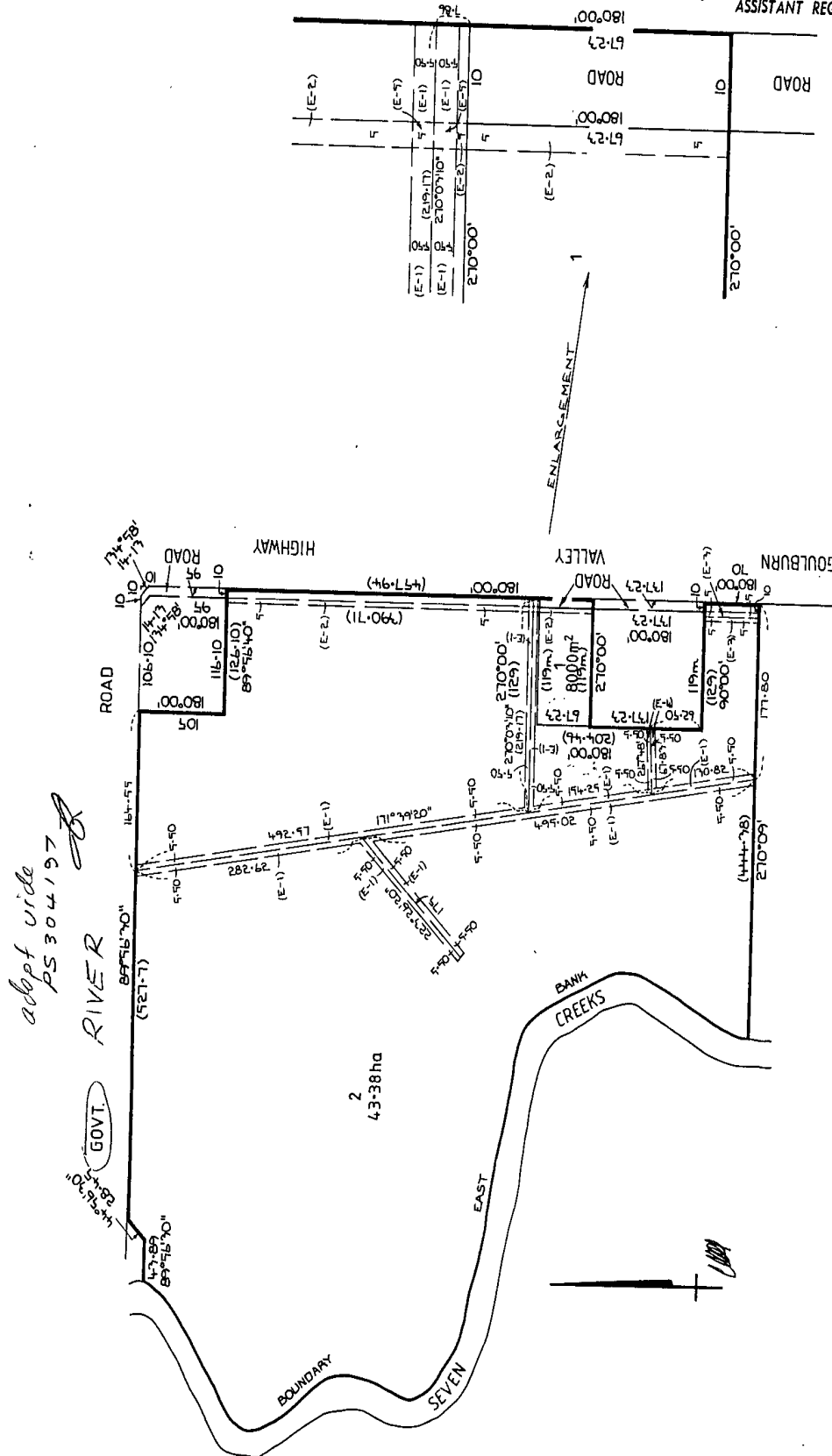
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CERTIFICATE OF TITLE VOL. 9751 FOL. 764

Phinco

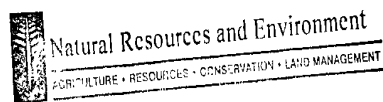
ASSISTANT REGISTRAR OF TITLES



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REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 09999 FOLIO 336

Security no : 124094230278N
Produced 07/12/2021 09:11 AM

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SEE FOLIOS:

10010/958	CANCELLED	Lot 1 on Plan of Subdivision 304204Q
10010/959	CANCELLED	Lot 2 on Plan of Subdivision 304204Q

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OF TITLES**



VICTORIA

CANCELLED

REGISTER BOOK

VOL. 9999 FOL. 336

Certificate of Title

UNDER THE "TRANSFER OF LAND ACT"

SUTALL PTY. LTD. of Suite 3/117 Wyndham Street Shepparton is the proprietor of an estate in fee simple subject to the encumbrances notified hereunder in all that land in the Parish of Kialla being Lot A on Plan of Subdivision No. 304197J -

Issued under Section 24 of
the Subdivision Act 1988-

Derived From
Vol. 9751 Fol. 764

24/1/91



J. Bottom

Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

Any encumbrances created by Section 98 of the Transfer of Land Act 1958 or Section 24 of the Subdivision Act 1988-

Any other encumbrances shown or entered on the said Plan-

MORTGAGE P526002N - State Bank of Victoria-
Registered 16/11/89-

PLAN PS304197J
AFFECTS LAND HEREIN



T09999-336-1-1

SEE PS304197J FOR BOUNDARIES AND OTHER DETAILS

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WARNING

VOL. 9999 FOL. 336

CANCELLED

PURSUANT TO SECTION 24 SUBDIVISION
ACT 1988 AND TITLES ISSUED AS SET
OUT HEREUNDER.

Registered 9-4-91
No PS 3042049

Lots 1 to 2 in Vol 10010 Fol 958
to Vol 10010 Fol 959



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Historical Search

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The Victorian Government acknowledges the Traditional Owners of Victoria and pays respects to their ongoing connection to their Country, History and Culture. The Victorian Government extends this respect to their Elders, past, present and emerging.

HISTORICAL SEARCH STATEMENT

Land Use Victoria

Produced 10/12/2021 12:27 PM

Volume 10010 Folio 959

Folio Creation: Created as paper folio continued as computer folio

Parent title Volume 09999 Folio 336

RECORD OF HISTORICAL DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged	Dealing Type and Details
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RECORD OF VOTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged
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29/06/2012	29/06/2012	AJ763767D (O)	Y
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AGREEMENT SECTION 173 PLANNING AND ENVIRONMENT ACT 1987

AGREEMENT Section 173 Planning and Environment Act 1987
AJ763767D 29/06/2012

18/09/2013	18/09/2013	AK600392B (O)	Y
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AGREEMENT SECTION 173 PLANNING AND ENVIRONMENT ACT 1987

AGREEMENT Section 173 Planning and Environment Act 1987
AK600392B 18/09/2013

20/03/2019	20/03/2019	AS022416R (E)	N
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APPLICATION TO NOMINATE AN ECT TO A PAPER INSTRUMENT

Nominated Dealing Type: App for creation of easement

Nominated Dealing Party : to Anthony Sebastian Villani, Sandra Samije Villani

Removed by Dealing AS023690P

21/03/2019	09/04/2019	AS023690P	Y
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CREATION OF EASEMENT

16/12/2019	16/12/2019	AS815515T (E)
------------	------------	---------------

APPLICATION TO NOMINATE AN ECT TO A PAPER INSTRUMENT

Nominated Dealing Type: PLAN OF SUBDIVISION 716312P Version 8

Nominated Dealing Party : to Anthony Sebastian Villani, Sandra Samije Villani

Removed by Dealing PS716312P

07/01/2020 17/01/2020 PS716312P (B) Y

PLAN OF SUBDIVISION, SUBDIVISION ACT 1988

Cancelled by PS716312P

STATEMENT END

HISTORICAL REPRINT(S)

Volume 10010 Folio 959

53270334921R Page 1
Produced 25/11/1994 08:25 am

LAND

LOT 2 on Plan of Subdivision 304204Q.

PARENT TITLE Volume 09999 Folio 336

Created by instrument PS304204Q 09/04/1991

REGISTERED PROPRIETOR

ESTATE FEE SIMPLE

JOINT PROPRIETORS

VILLANI, ANTHONY SEBASTIAN; 26 THAMES STREET SHEPPARTON 3630

VILLANI, SANDRA SAMIJE; 26 THAMES STREET SHEPPARTON 3630

Registered R866773Q 14/04/1992

ENCUMBRANCES, CAVEATS AND NOTICES

MORTGAGES AND CHARGES IN PRIORITY RANKING

1 R866774M MORTGAGE
NATIONAL AUSTRALIA BANK LIMITED

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988.

Any other encumbrances shown or entered on the plan.

SEE PS304204Q FOR FURTHER DETAILS AND BOUNDARIES

END OF CERTIFICATE

LAND DESCRIPTION

Lot 2 on Plan of Subdivision 304204Q.
PARENT TITLE Volume 09999 Folio 336
Created by instrument PS304204Q 09/04/1991

REGISTERED PROPRIETOR

Estate Fee Simple
Joint Proprietors

ANTHONY SEBASTIAN VILLANI

SANDRA SAMIJE VILLANI both of 26 THAMES STREET SHEPPARTON 3630

R866773Q 14/04/1992

ENCUMBRANCES, CAVEATS AND NOTICES

MORTGAGE R866774M
NATIONAL AUSTRALIA BANK LTD

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan set out under DIAGRAM LOCATION below.

DIAGRAM LOCATION

SEE PS304204Q FOR FURTHER DETAILS AND BOUNDARIES

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VICTORIA

REGISTER BOOK

VOŁ. 10010 FOL. 959

VICTORIA

Certificate of Title

UNDER THE "TRANSFER OF LAND ACT"

SUTALL PTY. LTD. of Suite 3/117 Wyndham Street Shepparton is the proprietor of an estate in fee simple subject to the encumbrances notified hereunder in all that land in the Parish of Kialla being Lot 2 on Plan of Subdivision No. 3042040 -

Issued under Section 24 of
the Subdivision Act 1988-

Derived From
Vol. 9999 Fol. 336

9/4/91

A. V. Collins



Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

Any encumbrances created by Section 98 of the Transfer of Land Act 1958 or Section 24 of the Subdivision Act 1988-

Any other encumbrances shown or entered on the said Plan-

MORTGAGE P526002N - State Bank of Victoria-
Registered 16/11/89-

THE ABOVE MORTGAGE IS
DISCHARGED

22 OCT 1991



DATA VERIFIED
18 DEC 1991



T10010-959-1-5

SEE PS304204Q FOR BOUNDARIES AND OTHER DETAILS

[illegible]

VOL. 10010 FOL. 959

MORTGAGE

KYABRAM HOUSING INVESTMENTS LTD.

REGISTERED

R602628Q

DATA VERIFIED

18 DEC 1991

JOINT PROPRIETORS

ANTHONY SEBASTIAN VILLANI & SANDRA

SAMIJE VILLANI OF 26 THAMES ST. SHEPPARTON

REGISTERED 14/4/92

R866773Q

MORTGAGE

NATIONAL AUSTRALIA BANK LIMITED

REGISTERED 14/4/92

R866774M

CONTINUED AS A
COMPUTER FOLIO

DATA VERIFIED
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VOLUME 10010 FOLIO 959

Security no : 124094230228S
Produced 07/12/2021 09:10 AM

***** FOLIO IS CANCELLED *****

LAND DESCRIPTION

Lot 2 on Plan of Subdivision 304204Q.
PARENT TITLE Volume 09999 Folio 336
Created by instrument PS304204Q 09/04/1991

REGISTERED PROPRIETOR

Estate Fee Simple
Joint Proprietors

ANTHONY SEBASTIAN VILLANI
SANDRA SAMIJE VILLANI both of 26 THAMES STREET SHEPPARTON 3630
R866773Q 14/04/1992

ENCUMBRANCES, CAVEATS AND NOTICES

MORTGAGE R866774M

NATIONAL AUSTRALIA BANK LTD

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AGREEMENT Section 173 Planning and Environment Act 1987

AJ763767D 29/06/2012

AGREEMENT Section 173 Planning and Environment Act 1987

AK600392B 18/09/2013

DIAGRAM LOCATION

SEE PS304204Q FOR FURTHER DETAILS AND BOUNDARIES
ACTIVITY IN THE LAST 125 DAYS

NIL

THIS FOLIO HAS BEEN CANCELLED

SEE FOLIOS:

12180/962	LIVE	Lot 1 on Plan of Subdivision 716312P
12180/963	LIVE	Lot 2 on Plan of Subdivision 716312P
12180/964	LIVE	Reserve 1 on Plan of Subdivision 716312P

-----END OF REGISTER SEARCH STATEMENT-----

Additional information: (not part of the Register Search Statement)

Street Address: 7615 GOULBURN VALLEY HIGHWAY KIALLA VIC 3631

ADMINISTRATIVE NOTICES

NIL

eCT Control 16089P NATIONAL AUSTRALIA BANK LTD

Effective from 09/04/2019

DOCUMENT END

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VOLUME 12180 FOLIO 962

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LAND DESCRIPTION

Lot 1 on Plan of Subdivision 716312P.

PARENT TITLE Volume 10010 Folio 959

Created by instrument PS716312P 17/01/2020

REGISTERED PROPRIETOR

Estate Fee Simple

Joint Proprietors

ANTHONY SEBASTIAN VILLANI

SANDRA SAMIJE VILLANI both of 7615 GOULBURN VALLEY HIGHWAY KIALLA VIC 3631

PS716312P 17/01/2020

ENCUMBRANCES, CAVEATS AND NOTICES

MORTGAGE R866774M

NATIONAL AUSTRALIA BANK LTD

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan set out under DIAGRAM LOCATION below.

AGREEMENT Section 173 Planning and Environment Act 1987
AJ763767D 29/06/2012

AGREEMENT Section 173 Planning and Environment Act 1987
AK600392B 18/09/2013

DIAGRAM LOCATION

SEE PS716312P FOR FURTHER DETAILS AND BOUNDARIES

ACTIVITY IN THE LAST 125 DAYS

NIL

-----END OF REGISTER SEARCH STATEMENT-----

Additional information: (not part of the Register Search Statement)

Street Address: 34 LOMANDRA DRIVE KIALLA VIC 3631

ADMINISTRATIVE NOTICES

NIL

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Effective from 17/01/2020

DOCUMENT END

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Appendix E: CLIENT PROVIDED REPORT

CRS Reference: CRS00002-R01 Prelim. Soil Report

30 August 2019

Tony Villani
c/o Onleys
P.O Box 2120
Shepparton, Victoria, 3632
Email: damien@onleys.com.au

Subject: Preliminary Soil Assessment – 7615 Goulburn Valley Highway, Kialla, Victoria

Dear Tony,

CR Specialists (CRS) have prepared this document *Preliminary Soil Assessment* for the property (Lot 2 PS304204) located at 7615 Goulburn Valley Highway, Kialla, Victoria (the site) to provide Tony Villani c/o Onleys with a preliminary assessment of the contamination status of the land (i.e. soil only).

The assessment works were undertaken in accordance with our, which was emailed to Tony Villani c/o Damien Ginger (Onleys) on 4 August 2019 (Ref.: J100002-PROP_7615 GV Hwy Kialla_Rev0).

1 BACKGROUND

It is understood that Tony Villani intends to develop the site for 20 individual residential lots. As part of the development, Council require that a preliminary soil contamination assessment be completed for the site.

The site consists of a single parcel of land (known as Lot 2). CRS notes that the adjacent land (Lot 1) although part of the 7615 Goulburn Valley Highway property does not form part of the proposed redevelopment and therefore was not included as part of the soil assessment.

1.1 PURPOSE, OBJECTIVES & SCOPE OF WORKS SUMMARY

The purpose of undertaking the preliminary soil assessment was to support Tony Villani for the redevelopment of the site.

The objective of the assessment was to assess the potential for soil contamination to exist at the site via the collection and analysis of soil samples broadly gridded across the site.

The following is a summary of the scope works completed to meet the project objective (i.e. assess the potential presence of soil contamination at the site):


- Site inspection;
- Conduct soil sampling at seven soil sampling locations broadly gridded across the site;
- Laboratory analysis of selected soil samples; and
- Preparation of this Preliminary Soil Assessment report.

It is noted that the assessment works completed was limited to soil only and did not include an evaluation of groundwater contamination (including a direct assessment of groundwater (i.e. collection of groundwater samples)), surface water or soil vapour at the site.

CRS notes that there were no deviations from the proposed scope of works.

1.2 SITE DESCRIPTION

Table 1.1 Site Identification

Item	Description
Site Address	<p>7615 Goulburn Valley Highway, Kialla, Victoria</p>  <p>Photo 1 – View of site showing site layout. Approximate site boundaries are marked yellow (Source: MapShare Vic, 2019)</p>
Title Information	<p>The site comprises of one parcel of land as noted below.</p> <ul style="list-style-type: none"> Lot 2, Plan of Subdivision 304204
Land Area	Approximately 46,000 m ² (4.6 ha)
Topography	The site and immediate area is flat and is consistent with regional topography.
Current / previous use/s	Vacant / farmland (i.e. grazing)
Current site features	<p>The site has been primarily (as part of a larger property) used as farmland (i.e. grazing).</p> <p>An aerial image of the current site layout is provided in Photo 1.</p> <p>A site inspection was conducted by a CRS representative on 14 August 2019. The following observations were made on the day of the inspection.</p> <p>Current site features at the site are as follows (refer to Photos 2 and 3):</p> <ul style="list-style-type: none"> Buildings/structures: no buildings or above-ground structures were observed on the site with the exception of fencing/fencing infrastructure.

- **Surface paving:** at the time of the assessment, the majority of the site surface consisted of vegetation (i.e. grass) with the exception of a gravel road/driveway located within the central portion of the site (orientated east-west).
- **Landscape area:** no specific landscaped areas, however the occasional tree was observed at the western and eastern site boundaries.
- **Underground/aboveground infrastructure (contamination sources):** at the time of the assessment, no underground storage tanks (USTs) or aboveground storage tanks (ASTs) were observed onsite.
- **Surface water bodies:** no surface water bodies were observed.



Photo 2 – View west across site. Gravel access road is visible on right of photo. Adjoining residential building associated with the adjacent property to the west of the site is visible in the background.



Photo 3 – View southeast showing gravel access road and southern portion of site.

Surrounding site uses	<p><u>North</u> Vacant land (under construction for residential development) and residential.</p> <p><u>East</u> Kialla Paceway (dogs) and farmland.</p> <p><u>South</u> Residential/farmland</p> <p><u>West</u> Resident/farmland and Seven Creeks.</p>
Previous environmental assessments	CRS is not aware of any previous environmental assessments having been conducted at the site.

2 TOPOGRAPHY AND GEOLOGY

As discussed previously in Section 1, the site and immediate surrounding area is generally flat.

A review of the Geological Survey of Victoria, Shepparton (1:100,000 scale) map indicated that the site is underlain by Quaternary Pleistocene (Qs) alluvial sedimentary consisting of clay, sandy clay, sand and silt (Shepparton Formation).

A review of the Australian Soil Resource Information System (ASRIS) Atlas of Australian Sulfate Soils indicated that the site was located within a low probability of occurrence of acid sulfate soils.

3 ASSESSMENT METHODOLOGY

Soil sampling was undertaken in accordance with CRS field procedures. Soil sampling was undertaken on 14 August 2019.

As outlined previously in Section 1.1, a total of seven soil sampling locations were broadly gridded across the site. The sampling locations comprised of soil bores which were drilled, logged and sampled. The soil sampling locations are shown on Figure 1 below.

Field activities are summarised in Table 3.1.

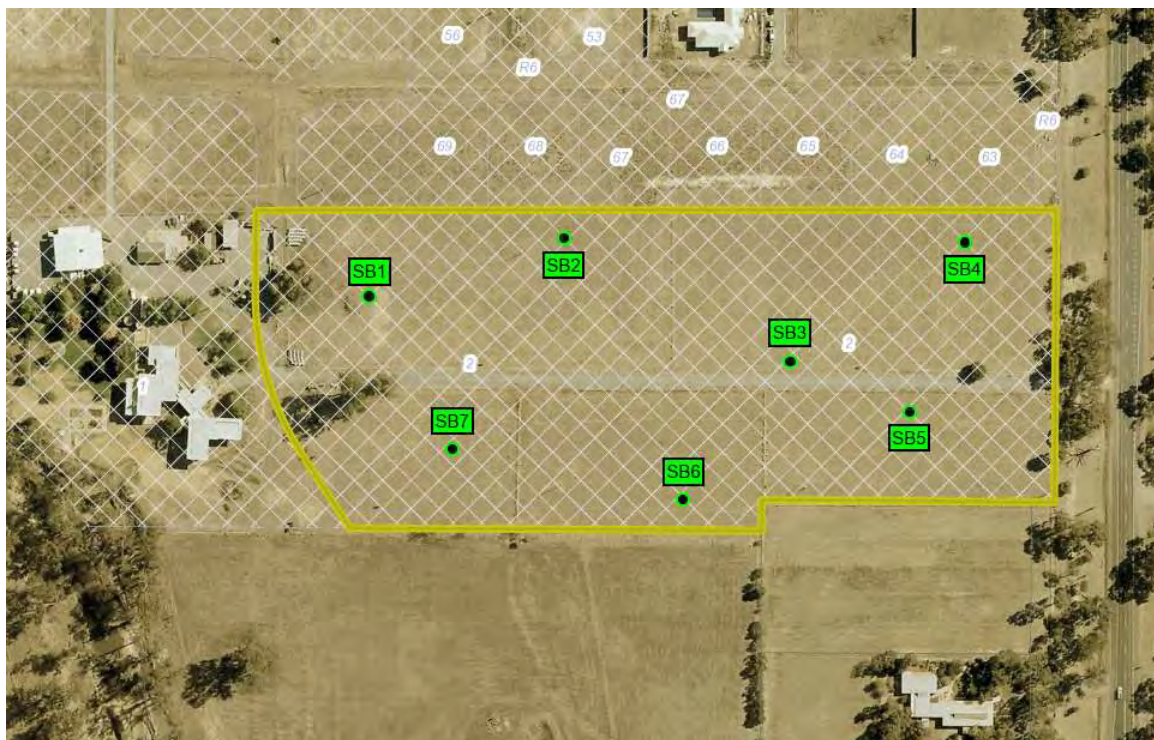


Figure 1 – Soil sampling locations.

Table 3.1 Soil Sampling Methodology

Activity	Detail / Comments
Sampling rationale	<p>The locations of the grid-based soil bores were selected to provide broad even coverage for the soil investigation across the site.</p> <p>It is noted that based on the size of the site (i.e. approximately 4.6 ha) that the number of soil sampling locations completed does not meet the minimum sampling locations as per AS4482.1-2005 <i>Guide to the sampling and investigation of potentially contaminated soil, Part 1: Non-volatile and semi-volatile compounds</i>.</p>
Service location	Service plans (dial-before-you-dig) were obtained and reviewed prior to any works being undertaken.
Sampling equipment decontamination	All reusable sampling equipment requiring decontamination (e.g. hand auger) were triple washed using a Decon 90 detergent solution and potable water between each sampling location.

Sampling method	Soil bores completed during the assessment works were drilled via a hand auger to a maximum depth of 0.5 metres below ground surface (mbgs). Soil samples were collected at nominal depths of 0.2 m and 0.5 m.
Sample preservation, storage and handling	Soil samples were collected in laboratory washed dedicated soil jars and stored in portable eskies filled with ice onsite and during transit to the laboratory. Samples were delivered to the laboratory within the specified holding times accompanied by Chain of Custody documentation.
Laboratory analysis	<p>Copies of the laboratory certificates of analysis are provided in Attachment B.</p> <p>Soil samples were submitted to NATA accredited laboratories ALS (primary) and Eurofins (secondary) for analysis.</p> <p>Based on the historical and current land use, the analytical schedule for soil samples generally comprised of a combination of one or more of the following in accordance with our proposal:</p> <ul style="list-style-type: none"> ■ NEPM screen (including herbicides and pesticides); ■ NEPM metals; and ■ OCPs/OPPs.
Soil cuttings	All soil bores were backfilled with cuttings corresponding to each specific location.

4 SOIL ASSESSMENT QUALITY GUIDELINES

The soil sampling analytical results have been assessed in accordance with relevant published soil quality guidelines for the protection of human health and the environment only.

To assess potential risks to human health and the environment from contamination in soils associated with the historical farmland use and based on the proposed low-density residential development of the site, assessment criteria were primarily adopted from the Health Investigations levels (HILs) and Health Screening Levels (HSLs) for a residential land use with garden/accessible soil (HIL/HSL-A) and Ecological Investigation Levels (EILs) for residential land use, as published in *National Environmental Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1)* (NEPM).

Adopted soil quality guidelines are included in Table 1 (**Attachment A**).

5 RESULTS AND DISCUSSION

5.1 FIELD OBSERVATIONS

Field observations made during the soil assessment are summarised below:

- Natural soils consisting of orange brown silty clay were encountered from the surface for all sampling locations.
- No fill material or anthropogenic inclusions were observed in any of the soil sampling locations. It is noted that a gravel access road existed through the centre of the site.
- No visual or olfactory evidence of potential contamination was identified (e.g. odours and/or staining).

5.2 DATA QUALITY ASSURANCE

A review of the quality control information indicated that the quality assurance program implemented was considered of sufficient quality for the purposes of a preliminary soil assessment. All laboratory documentation is contained within **Attachment B**.

5.3 SOIL RESULTS

Soil analytical results including a comparison to adopted soil quality guidelines are provided in Table 1 (**Attachment A**). Certified laboratory reports are included in **Attachment B**.

Comparison of individual analytical results with human health and ecological soil quality guidelines for a residential land use (i.e. HIL'A' / HSL 'A' and EILs) indicated contaminants were detected at concentrations either below the laboratory limits of reporting and/or the adopted soil quality guidelines.

6 CONCLUSIONS

Based on the objective of the assessment, scope of works undertaken and limitations to meet these objectives as stated through the report (refer to Section 1.1), the following specific conclusion is provided:

- **Soil quality** at the site was below the adopted residential soil quality guidelines for the protection of human health and the environment.

CR Specialists Pty Ltd

Environmental Consultants

Enclosures:

Attachment A – Analytical Summary Table

Attachment B – Laboratory Certificates of Analysis

7 **LIMITATIONS**

This report has been commissioned and produced for Tony Villani (the requesting client) c/o Onleys. The application or use of this report is for the sole purpose of the client. CR Specialists Pty Ltd accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. The use, application, misuse or misapplication of information (whether in part or whole) or any consequences of its use, provided by CR Specialists Pty Ltd is not the responsibility of CR Specialists Pty Ltd, it's employees, servants or agents. This report may not be reproduced, or amended in any way without prior approval by the client and CR Specialists Pty Ltd. This report must be read in its entirety and in conjunction with the attached documents, only applying the report in accordance with the stated purpose as outlined in the introduction of this report.

The assessment performed was preliminary in nature. The interpretation of results, conclusions and any recommendations presented in this report are predominantly based on the results of analyses at the time of the assessment works and may alter if the data obtained is not representative of the subsurface as soil rock and aquifer conditions are often variable, contaminant characteristics may be variable, and boundaries between zones of variable contamination are often distinct, potentially resulting in heterogeneous contaminant distributions across the site. Furthermore, surface and sub-surface conditions may change in the future either naturally or anthropogenically.

Areas that were unable to be assessed due to access restrictions (i.e. buildings, overhead utilities, underground structures etc.) and/or a limited scope of works do not form part of this report.

Should further information become available regarding conditions at the site or relevant issues including previously unknown sources of contamination, CR Specialists Pty Ltd reserves the right to review the report in the context of the additional information.

All works carried out in preparing this report have been conducted on a fully professional basis with due care and attention utilising CR Specialists Pty Ltd professional knowledge and understanding of relevant and current National and State Standards, Codes of Practice, Regulations and Acts at the time of preparing this report.

Table 1, Attachment A
Soil Results Summary Table

				Metals																					
				Moisture Content	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc	Mercury	Weak Acid Dissociable Cyanide	Total Polychlorinated Biphenyls			
				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
LOR				1.0	5	10	1	50	1	2	0.5	2	5	5	5	2	5	5	5	0.1	1	0.1			
NEPM 2013 Table 1A(1) Res A Soil HILs					100		60	4500	20		100	100	6000	300	3800	400	200		7400	40	250	1			
NEPM 2013 Table 1A(3) Res A&B Soil HSLs (0 - 1 mbgs; sand)																									
NEPM 2013 Tables 1(B)1 - 1B(5) Urban Residential Soil EILs					100					750 ¹			210 ¹	1100		210 ¹			540 ¹						
Field ID	Sample Depth (mbgs)	Sample Date	Matrix Description	13.0	<5	40	<1	<50	<1	16	<0.5	3	6	7	152	7	<5	24	16	<0.1	<1	<0.1			
SB1_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SB1_ 0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SB2_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	16.1	<5	150	1	<50	<1	28	-	10	10	14	399	19	<5	39	30	<0.1	-	-			
SB3_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	14.1	6	140	1	<50	<1	20	<0.5	8	11	27	344	12	<5	39	30	<0.1	<1	<0.1			
SB4_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	16.5	<5	140	1	<50	<1	22	-	8	9	10	574	23	<5	30	22	<0.1	-	-			
SB5_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	15.8	5	50	1	<50	<1	30	<0.5	5	11	13	245	12	<5	45	22	<0.1	<1	<0.1			
SB6_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	15.6	5	100	2	<50	<1	31	-	12	13	13	589	17	<5	41	22	<0.1	-	-			
SB7_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	17.1	7	270	1	<50	<1	30	<0.5	12	15	19	616	20	<5	43	40	<0.1	<1	<0.1			
SB7_ 0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

Notes
1. Based on lowest soil physiochemical parameter results
2. DDT only

				OCPs																															
				Clay (<2 µm)	pH	Total organic carbon	CEC	Soil particle density	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Dieldrin	Endosulfan (sum)	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor epoxide	Hexachlorobenzene (HCB)	Methoxychlor	Mirex	Sum of Aldrin + Dieldrin	Sum of DDD + DDE + DDT	Total Chlordane (sum)	alpha-BHC	alpha-Endosulfan	beta-BHC	beta-Endosulfan	cis-Chlordane	delta-BHC	gamma-BHC	trans-Chlordane	
				%	pH unit	%	meq/100g	g/cm ³	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				1	0.1	0.5	0.2	0.01	0.05	0.05	0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.20	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
NEPM 2013 Table 1A(1) Res A Soil HILs															270		10			6		10	300	10	6	240	50								
NEPM 2013 Table 1A(3) Res A&B Soil HSLs (0 - 1 mbgs; sand)																																			
NEPM 2013 Tables 1(B)1 - 1B(5) Urban Residential Soil EILs																									180 ²										
Field ID	Sample Depth (mbgs)	Sample Date	Matrix Description																																
SB1_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.20	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB1_0.5	0.4 - 0.5	14/08/2019	Soil (natural)	64	-	-	-	-	2.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB2_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB3_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.20	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB4_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB5_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.20	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
SB6_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB7_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.20	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
SB7_0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	6.7	1.3	13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes
1. Based on lowest soil physiochemical parameter results
2. DDT only

Table 1, Attachment A
Soil Results Summary Table

				OPPs																							
				Azinphos Methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Demeton-S-methyl	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenthion	Malathion	Monocrotophos	Parathion	Parathion-methyl	Pirimphos-ethyl	Prothios	Atrazine	Blenthrin	Toxaphene		
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR				0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	0.2	0.2	0.05	0.05	0.05	0.05	0.05	2		
NEPM 2013 Table 1A(1) Res A Soil HILs																						320	600	20			
NEPM 2013 Table 1A(3) Res A&B Soil HSLs (0 – 1 mbgs; sand)																											
NEPM 2013 Tables 1(B)1 – 1B(5) Urban Residential Soil EILs																											
Field ID	Sample Depth (mbgs)	Sample Date	Matrix Description																								
SB1_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<2			
SB1_ 0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SB2_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	-	-	-			
SB3_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<2			
SB4_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	-	-	-			
SB5_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<2			
SB6_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	-	-	-			
SB7_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<2			
SB7_ 0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Notes
1. Based on lowest soil physiochemical parameter results
2. DDT only

				PAHs																	TPH					TRH										
				Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ (half LOR)	Benzo(a)pyrene TEQ (zero)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Sum of PAHs	C10 - C14 Fraction	C10 - C16 Fraction (sum)	C15 - C28 Fraction	C29 - C36 Fraction	C6 - C9 Fraction	>C10 - C16 Fraction	>C10 - C40 Fraction (sum)	>C16 - C34 Fraction	>C34 - C40 Fraction	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction minus Naphthalene (F2)	
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	100	100	10	50	50	100	100	10	10	50	
NEPM 2013 Table 1A(1) Res A Soil HILs											3												300													
NEPM 2013 Table 1A(3) Res A&B Soil HSLs (0 – 1 mbgs; sand)																																	45	110		
NEPM 2013 Tables 1(B)1 – 1B(5) Urban Residential Soil EILs																																				
Field ID	Sample Depth (mbgs)	Sample Date	Matrix Description																																	
SB1_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	<100	<10	<50	<50	<100	<100	<10	<10	<50	
SB1_0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SB2_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SB3_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	<100	<10	<50	<50	<100	<100	<10	<10	<50	
SB4_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SB5_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	<100	<10	<50	<50	<100	<100	<10	<10	<50	
SB6_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SB7_0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<50	<100	<100	<10	<50	<50	<100	<100	<10	<10	<50	
SB7_0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Notes
1. Based on lowest soil physiochemical parameter results
2. DDT only

Table 1, Attachment A
Soil Results Summary Table

				BTEXN								Herbicides													
				Benzene	Toluene	Ethylbenzene	meta- & para-Xylene	ortho-Xylene	Total Xylenes	Naphthalene	Sum of BTEX	2,4-D	2,4-DB	2,4-DP	2,4,5-T	2,4,5-TP (Silvex)	4-Chlorophenoxy acetic acid	Clpyralid	Dicamba	Fluroxpyr	MCPA	MCPB	Mecoprop	Picloram	Triclopyr
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR				0.2	0.5	0.5	0.5	0.5	0.5	1	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
NEPM 2013 Table 1A(1) Res A Soil HILs												900			600					600	600	600	4500		
NEPM 2013 Table 1A(3) Res A&B Soil HSLs (0 – 1 mbgs; sand)				0.5	160	55			40	3															
NEPM 2013 Tables 1(B)1 – 1B(5) Urban Residential Soil EILs										170															
Field ID	Sample Depth (mbgs)	Sample Date	Matrix Description																						
SB1_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
SB1_ 0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB2_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SB3_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
SB4_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
SB5_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
SB6_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
SB7_ 0.2	0.1 - 0.2	14/08/2019	Soil (natural)	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
SB7_ 0.5	0.4 - 0.5	14/08/2019	Soil (natural)	-	-	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	

Notes
1. Based on lowest soil physiochemical parameter results
2. DDT only

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : EM1913164

<p>Client : CASH SALES MELBOURNE</p> <p>Contact : JOSH BYRNE</p> <p>Address : C/O ALS SPRINGVALE (MELBOURNE) 2-4 WESTALL RD MELBOURNE SPRINGVALE VIC 3171</p> <p>E-mail : jbyrnemango@live.com</p> <p>Telephone : ----</p> <p>Facsimile : ----</p> <p>Project : CRS00002 (Villani)</p> <p>Order number :</p> <p>C-O-C number : ----</p> <p>Site : ----</p> <p>Sampler : JOSH BYRNE</p>	<p>Laboratory : Environmental Division Melbourne</p> <p>Contact : Customer Services EM</p> <p>Address : 4 Westall Rd Springvale VIC Australia 3171</p> <p>E-mail : ALSEnviro.Melbourne@alsglobal.com</p> <p>Telephone : +61-3-8549 9600</p> <p>Facsimile : +61-3-8549 9626</p> <p>Page : 1 of 3</p> <p>Quote number : EM2016CASHMELB0001 (BLANKET QUOTE)</p> <p>QC Level : NEPM 2013 B3 & ALS QC Standard</p>
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Dates

Date Samples Received : 14-Aug-2019 15:10	Issue Date : 15-Aug-2019
Client Requested Due Date : 22-Aug-2019	Scheduled Reporting Date : 22-Aug-2019

Delivery Details

Mode of Delivery : Carrier	Security Seal : Not Available
No. of coolers/boxes : 1	Temperature : 2.4°C - Ice present
Receipt Detail :	No. of samples received / analysed : 16 / 11

General Comments

- This report contains the following information:
 - Sample Container(s)/Preservation Non-Compliances
 - Summary of Sample(s) and Requested Analysis
 - Proactive Holding Time Report
 - Requested Deliverables
- **Please direct any queries related to sample condition / numbering / breakages to Client Services.**
- Sample Disposal - Aqueous (3 weeks), Solid (2 months) from receipt of samples.
- **Analytical work for this work order will be conducted at ALS Springvale, ALS Sydney and ALS Newcastle.**
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.



Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

Method Client sample ID	Sample Container Received	Preferred Sample Container for Analysis
Pesticides by GCMS : EP068		
Rinsate_1	- Soil Glass Jar - Unpreserved	- Amber Glass Bottle - Unpreserved

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Client sampling date / time	Client sample ID	(On Hold) SOIL No analysis requested	SOIL - EA055-103 Moisture Content	SOIL - EA150H-C Clay Content by Hydrometer	SOIL - EP004 (Carbon) Organic Matter & Total Organic Carbon (Calc.)	SOIL - P-21/2 (Melb) NEPM (2013) HIL Table 1A(1) Screen with	SOIL - S-03 15 Metals (NEPM 2013 Suite - incl. Digestion)	SOIL - S-12 OC/OP Pesticides
EM1913164-001	14-Aug-2019 00:00	SB1_0.2		✓			✓		
EM1913164-002	14-Aug-2019 00:00	SB1_0.5			✓				
EM1913164-003	14-Aug-2019 00:00	SB2_0.2		✓				✓	✓
EM1913164-004	14-Aug-2019 00:00	SB2_0.5	✓						
EM1913164-005	14-Aug-2019 00:00	SB3_0.2		✓			✓		
EM1913164-006	14-Aug-2019 00:00	SB3_0.5	✓						
EM1913164-007	14-Aug-2019 00:00	SB4_0.2		✓				✓	✓
EM1913164-008	14-Aug-2019 00:00	SB4_0.5	✓						
EM1913164-009	14-Aug-2019 00:00	SB5_0.2		✓			✓		
EM1913164-010	14-Aug-2019 00:00	SB5_0.5	✓						
EM1913164-011	14-Aug-2019 00:00	SB6_0.2		✓				✓	✓
EM1913164-012	14-Aug-2019 00:00	SB6_0.5	✓						
EM1913164-013	14-Aug-2019 00:00	SB7_0.2		✓			✓		
EM1913164-014	14-Aug-2019 00:00	SB7_0.5				✓			
EM1913164-015	14-Aug-2019 00:00	QC1		✓				✓	✓

Matrix: **SOIL**

Laboratory sample ID	Client sampling date / time	Client sample ID	SOIL - AG-1 EM Only Agricultural (CEC) Soil Suite 1 (pretest air dried)	SOIL - EA001 pH (CaCl)
EM1913164-014	14-Aug-2019 00:00	SB7_0.5	✓	✓



Matrix: **WATER**

Laboratory sample ID	Client sampling date / time	Client sample ID	WATER - W-03T 15 Metals (Total) (NEPM)	WATER - W-12 OC/OP Pesticides
EM1913164-016	14-Aug-2019 00:00	Rinsate_1	✓	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

JOSH BYRNE

- *AU Certificate of Analysis - NATA (COA)	Email	jbyrnemango@live.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jbyrnemango@live.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jbyrnemango@live.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jbyrnemango@live.com
- A4 - AU Tax Invoice (INV)	Email	jbyrnemango@live.com
- Chain of Custody (CoC) (COC)	Email	jbyrnemango@live.com
- EDI Format - ENMRG (ENMRG)	Email	jbyrnemango@live.com
- EPA Waste Classification & Categorisation Guideline Report (COA_GL_EPA_WASTE)	Email	jbyrnemango@live.com

CERTIFICATE OF ANALYSIS

Work Order : **EM1913164**
Client : **CASH SALES MELBOURNE**
Contact : JOSH BYRNE
Address : C/O ALS SPRINGVALE (MELBOURNE) 2-4 WESTALL RD
MELBOURNE SPRINGVALE VIC 3171
Telephone : ----
Project : CRS00002 (Villani)
Order number :
C-O-C number : ----
Sampler : JOSH BYRNE
Site : ----
Quote number : BLANKET QUOTE
No. of samples received : 16
No. of samples analysed : 11

Page : 1 of 17
Laboratory : Environmental Division Melbourne
Contact : Customer Services EM
Address : 4 Westall Rd Springvale VIC Australia 3171
Telephone : +61-3-8549 9600
Date Samples Received : 14-Aug-2019 15:10
Date Analysis Commenced : 15-Aug-2019
Issue Date : 26-Aug-2019 12:03



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Dianne Blane	Laboratory Coordinator (2IC)	Newcastle - Inorganics, Mayfield West, NSW
Dilani Fernando	Senior Inorganic Chemist	Melbourne Inorganics, Springvale, VIC
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW
Nancy Wang	2IC Organic Chemist	Melbourne Inorganics, Springvale, VIC
Nancy Wang	2IC Organic Chemist	Melbourne Organics, Springvale, VIC
Xing Lin	Senior Organic Chemist	Melbourne Organics, Springvale, VIC



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

Ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- EP202: Poor matrix spike recovery due to matrix interference
- ALS is not NATA accredited for the analysis of Exchangeable Cations on Alkaline Soils when performed under ALS Method ED006.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EG020T:EM1913164#16 results for total metal have been confirmed by re-analysis. Insufficient sample volume to confirmed by re-digestion.
- EK028SF: EM1913164 #5 Poor matrix spike recovery for weak acid dissociable cyanide due to matrix effects.
- ED007 and ED008: When Exchangeable AI is reported from these methods, it should be noted that Rayment & Lyons (2011) suggests Exchange Acidity by 1M KCl - Method 15G1 (ED005) is a more suitable method for the determination of exchange acidity (H⁺ + Al³⁺).



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB1_0.2	SB1_0.5	SB2_0.2	SB3_0.2	SB4_0.2
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-001	EM1913164-002	EM1913164-003	EM1913164-005	EM1913164-007
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		13.0	----	16.1	14.1	16.5
EA150: Soil Classification based on Particle Size									
Clay (<2 µm)	----	1	%		----	64	----	----	----
EA152: Soil Particle Density									
Soil Particle Density (Clay/Silt/Sand)	----	0.01	g/cm3		----	2.76	----	----	----
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		<5	----	<5	6	<5
Barium	7440-39-3	10	mg/kg		40	----	150	140	140
Beryllium	7440-41-7	1	mg/kg		<1	----	1	1	1
Boron	7440-42-8	50	mg/kg		<50	----	<50	<50	<50
Cadmium	7440-43-9	1	mg/kg		<1	----	<1	<1	<1
Chromium	7440-47-3	2	mg/kg		16	----	28	20	22
Cobalt	7440-48-4	2	mg/kg		3	----	10	8	8
Copper	7440-50-8	5	mg/kg		6	----	10	11	9
Lead	7439-92-1	5	mg/kg		7	----	14	27	10
Manganese	7439-96-5	5	mg/kg		152	----	399	344	574
Nickel	7440-02-0	2	mg/kg		7	----	19	12	23
Selenium	7782-49-2	5	mg/kg		<5	----	<5	<5	<5
Vanadium	7440-62-2	5	mg/kg		24	----	39	32	30
Zinc	7440-66-6	5	mg/kg		16	----	30	46	22
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		<0.1	----	<0.1	<0.1	<0.1
EG048: Hexavalent Chromium (Alkaline Digest)									
Hexavalent Chromium	18540-29-9	0.5	mg/kg		<0.5	----	----	<0.5	----
EK028SF: Weak Acid Dissociable CN by Segmented Flow Analyser									
Weak Acid Dissociable Cyanide	----	1	mg/kg		<1	----	----	<1	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		<0.1	----	----	<0.1	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Client sample ID

				SB1_0.2	SB1_0.5	SB2_0.2	SB3_0.2	SB4_0.2
Client sampling date / time				14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit	EM1913164-001	EM1913164-002	EM1913164-003	EM1913164-005	EM1913164-007
				Result	Result	Result	Result	Result

EP068A: Organochlorine Pesticides (OC) - Continued

Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
^ Total Chlordane (sum)	----	0.05	mg/kg	----	----	<0.05	----	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	----	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	<0.2	<0.2	<0.2
Mirex	2385-85-5	0.20	mg/kg	<0.20	----	----	<0.20	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/50-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05

EP068B: Organophosphorus Pesticides (OP)

Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	<0.2	<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	----	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	<0.05



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB1_0.2	SB1_0.5	SB2_0.2	SB3_0.2	SB4_0.2
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-001	EM1913164-002	EM1913164-003	EM1913164-005	EM1913164-007
					Result	Result	Result	Result	Result
EP068B: Organophosphorus Pesticides (OP) - Continued									
Chlorfenvinphos	470-90-6	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	----	<0.05	<0.05	<0.05
EP068C: Triazines									
Atrazine	1912-24-9	0.05	mg/kg		<0.05	----	----	<0.05	----
EP068D: Pyrethroids									
Bifenthrin	82657-04-3	0.05	mg/kg		<0.05	----	----	<0.05	----
EP069: Toxaphene									
Toxaphene	8001-35-2	2	mg/kg		<2	----	----	<2	----
EP075(SIM)A: Phenolic Compounds									
Phenol	108-95-2	0.5	mg/kg		<0.5	----	----	<0.5	----
2-Chlorophenol	95-57-8	0.5	mg/kg		<0.5	----	----	<0.5	----
2-Methylphenol	95-48-7	0.5	mg/kg		<0.5	----	----	<0.5	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg		<1	----	----	<1	----
2-Nitrophenol	88-75-5	0.5	mg/kg		<0.5	----	----	<0.5	----
2,4-Dimethylphenol	105-67-9	0.5	mg/kg		<0.5	----	----	<0.5	----
2,4-Dichlorophenol	120-83-2	0.5	mg/kg		<0.5	----	----	<0.5	----
2,6-Dichlorophenol	87-65-0	0.5	mg/kg		<0.5	----	----	<0.5	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg		<0.5	----	----	<0.5	----
2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg		<0.5	----	----	<0.5	----
2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg		<0.5	----	----	<0.5	----
Pentachlorophenol	87-86-5	2	mg/kg		<2	----	----	<2	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	----	----	<0.5	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	----	----	<0.5	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	----	----	<0.5	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	----	----	<0.5	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	----	----	<0.5	----
Anthracene	120-12-7	0.5	mg/kg		<0.5	----	----	<0.5	----
Fluoranthene	206-44-0	0.5	mg/kg		<0.5	----	----	<0.5	----



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Client sample ID

				SB1_0.2	SB1_0.5	SB2_0.2	SB3_0.2	SB4_0.2
Client sampling date / time				14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit	EM1913164-001	EM1913164-002	EM1913164-003	EM1913164-005	EM1913164-007
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	<0.5	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	<0.5	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	<0.5	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	----	<0.5	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	<0.5	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	<0.5	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	<0.5	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	<0.5	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	<0.5	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	----	----	<0.5	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	----	----	<0.5	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	0.6	----	----	0.6	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	1.2	----	----	1.2	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	----	<10	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	----	<50	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	----	<100	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	----	<100	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	----	----	<50	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	----	<10	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	----	----	<10	----
>C10 - C16 Fraction	----	50	mg/kg	<50	----	----	<50	----
>C16 - C34 Fraction	----	100	mg/kg	<100	----	----	<100	----
>C34 - C40 Fraction	----	100	mg/kg	<100	----	----	<100	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	<50	----	----	<50	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	----	----	<50	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	----	----	<0.2	----
Toluene	108-88-3	0.5	mg/kg	<0.5	----	----	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	----	<0.5	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	----	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	----	<0.5	----



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB1_0.2	SB1_0.5	SB2_0.2	SB3_0.2	SB4_0.2
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-001	EM1913164-002	EM1913164-003	EM1913164-005	EM1913164-007
					Result	Result	Result	Result	Result
EP080: BTEXN - Continued									
^ Sum of BTEX	----	0.2	mg/kg		<0.2	----	----	<0.2	----
^ Total Xylenes	----	0.5	mg/kg		<0.5	----	----	<0.5	----
Naphthalene	91-20-3	1	mg/kg		<1	----	----	<1	----
EP202A: Phenoxyacetic Acid Herbicides by LCMS									
4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg		<0.02	----	----	<0.02	----
2,4-DB	94-82-6	0.02	mg/kg		<0.02	----	----	<0.02	----
Dicamba	1918-00-9	0.02	mg/kg		<0.02	----	----	<0.02	----
Mecoprop	93-65-2	0.02	mg/kg		<0.02	----	----	<0.02	----
MCPA	94-74-6	0.02	mg/kg		<0.02	----	----	<0.02	----
2,4-DP	120-36-5	0.02	mg/kg		<0.02	----	----	<0.02	----
2,4-D	94-75-7	0.02	mg/kg		<0.02	----	----	<0.02	----
Triclopyr	55335-06-3	0.02	mg/kg		<0.02	----	----	<0.02	----
2,4,5-TP (Silvex)	93-72-1	0.02	mg/kg		<0.02	----	----	<0.02	----
2,4,5-T	93-76-5	0.02	mg/kg		<0.02	----	----	<0.02	----
MCPB	94-81-5	0.02	mg/kg		<0.02	----	----	<0.02	----
Picloram	1918-02-1	0.02	mg/kg		<0.02	----	----	<0.02	----
Clopyralid	1702-17-6	0.02	mg/kg		<0.02	----	----	<0.02	----
Fluroxypyr	69377-81-7	0.02	mg/kg		<0.02	----	----	<0.02	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		88.7	----	----	97.5	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		96.3	----	104	99.8	98.7
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		93.4	----	102	93.0	89.9
EP069: Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		99.9	----	----	97.7	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		104	----	----	94.8	----
2-Chlorophenol-D4	93951-73-6	0.5	%		99.2	----	----	95.2	----
2,4,6-Tribromophenol	118-79-6	0.5	%		105	----	----	103	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		101	----	----	108	----
Anthracene-d10	1719-06-8	0.5	%		96.8	----	----	95.3	----
4-Terphenyl-d14	1718-51-0	0.5	%		109	----	----	108	----



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB1_0.2	SB1_0.5	SB2_0.2	SB3_0.2	SB4_0.2
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-001	EM1913164-002	EM1913164-003	EM1913164-005	EM1913164-007
					Result	Result	Result	Result	Result
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		65.2	----	----	68.9	----
Toluene-D8	2037-26-5	0.2	%		72.5	----	----	74.9	----
4-Bromofluorobenzene	460-00-4	0.2	%		90.4	----	----	95.0	----
EP202S: Phenoxyacetic Acid Herbicide Surrogate									
2,4-Dichlorophenyl Acetic Acid	19719-28-9	0.02	%		49.8	----	----	46.8	----



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB5_0.2	SB6_0.2	SB7_0.2	SB7_0.5	QC1
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-009	EM1913164-011	EM1913164-013	EM1913164-014	EM1913164-015
				Result	Result	Result	Result	Result	Result
EA001: pH in soil using 0.01M CaCl extract									
pH (CaCl2)	----	0.1	pH Unit	----	----	----	----	6.7	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%	15.8	15.6	17.1	----	12.4	
ED006: Exchangeable Cations on Alkaline Soils									
∅ Exchangeable Calcium	----	0.2	meq/100g	----	----	----	----	9.0	----
∅ Exchangeable Magnesium	----	0.2	meq/100g	----	----	----	----	3.1	----
∅ Exchangeable Potassium	----	0.2	meq/100g	----	----	----	----	0.6	----
∅ Exchangeable Sodium	----	0.2	meq/100g	----	----	----	----	0.4	----
∅ Cation Exchange Capacity	----	0.2	meq/100g	----	----	----	----	13.2	----
∅ Exchangeable Calcium Percent	----	0.2	%	----	----	----	----	68.6	----
∅ Exchangeable Magnesium Percent	----	0.2	%	----	----	----	----	23.7	----
∅ Exchangeable Potassium Percent	----	0.2	%	----	----	----	----	4.3	----
∅ Exchangeable Sodium Percent	----	0.2	%	----	----	----	----	3.4	----
∅ Calcium/Magnesium Ratio	----	0.2	-	----	----	----	----	2.9	----
∅ Magnesium/Potassium Ratio	----	0.2	-	----	----	----	----	5.5	----
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg	5	5	7	----	5	
Barium	7440-39-3	10	mg/kg	50	100	270	----	210	
Beryllium	7440-41-7	1	mg/kg	1	2	1	----	2	
Boron	7440-42-8	50	mg/kg	<50	<50	<50	----	<50	
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	----	<1	
Chromium	7440-47-3	2	mg/kg	30	31	30	----	35	
Cobalt	7440-48-4	2	mg/kg	5	12	12	----	13	
Copper	7440-50-8	5	mg/kg	11	13	15	----	12	
Lead	7439-92-1	5	mg/kg	13	13	19	----	16	
Manganese	7439-96-5	5	mg/kg	245	589	616	----	351	
Nickel	7440-02-0	2	mg/kg	12	17	20	----	23	
Selenium	7782-49-2	5	mg/kg	<5	<5	<5	----	<5	
Vanadium	7440-62-2	5	mg/kg	45	41	43	----	44	
Zinc	7440-66-6	5	mg/kg	22	22	40	----	32	
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	----	<0.1	
EG048: Hexavalent Chromium (Alkaline Digest)									
Hexavalent Chromium	18540-29-9	0.5	mg/kg	<0.5	----	<0.5	----	----	



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB5_0.2	SB6_0.2	SB7_0.2	SB7_0.5	QC1
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-009	EM1913164-011	EM1913164-013	EM1913164-014	EM1913164-015
					Result	Result	Result	Result	Result
EK028SF: Weak Acid Dissociable CN by Segmented Flow Analyser									
Weak Acid Dissociable Cyanide	----	1	mg/kg		<1	----	<1	----	----
EP004: Organic Matter									
Organic Matter	----	0.5	%		----	----	----	2.3	----
Total Organic Carbon	----	0.5	%		----	----	----	1.3	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		<0.1	----	<0.1	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
beta-BHC	319-85-7	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
gamma-BHC	58-89-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
delta-BHC	319-86-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Heptachlor	76-44-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Aldrin	309-00-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
^ Total Chlordane (sum)	----	0.05	mg/kg		----	<0.05	----	----	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Dieldrin	60-57-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
4,4'-DDE	72-55-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Endrin	72-20-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
^ Endosulfan (sum)	115-29-7	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
4,4'-DDD	72-54-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
4,4'-DDT	50-29-3	0.2	mg/kg		<0.2	<0.2	<0.2	----	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	<0.2	<0.2	----	<0.2
Mirex	2385-85-5	0.20	mg/kg		<0.20	----	<0.20	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/50-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB5_0.2	SB6_0.2	SB7_0.2	SB7_0.5	QC1
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-009	EM1913164-011	EM1913164-013	EM1913164-014	EM1913164-015
					Result	Result	Result	Result	Result
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg		<0.2	<0.2	<0.2	----	<0.2
Dimethoate	60-51-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Diazinon	333-41-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg		<0.2	<0.2	<0.2	----	<0.2
Malathion	121-75-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Fenthion	55-38-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Parathion	56-38-2	0.2	mg/kg		<0.2	<0.2	<0.2	----	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Ethion	563-12-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	<0.05	<0.05	----	<0.05
EP068C: Triazines									
Atrazine	1912-24-9	0.05	mg/kg		<0.05	----	<0.05	----	----
EP068D: Pyrethroids									
Bifenthrin	82657-04-3	0.05	mg/kg		<0.05	----	<0.05	----	----
EP069: Toxaphene									
Toxaphene	8001-35-2	2	mg/kg		<2	----	<2	----	----
EP075(SIM)A: Phenolic Compounds									
Phenol	108-95-2	0.5	mg/kg		<0.5	----	<0.5	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg		<0.5	----	<0.5	----	----
2-Methylphenol	95-48-7	0.5	mg/kg		<0.5	----	<0.5	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg		<1	----	<1	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg		<0.5	----	<0.5	----	----
2,4-Dimethylphenol	105-67-9	0.5	mg/kg		<0.5	----	<0.5	----	----
2,4-Dichlorophenol	120-83-2	0.5	mg/kg		<0.5	----	<0.5	----	----
2,6-Dichlorophenol	87-65-0	0.5	mg/kg		<0.5	----	<0.5	----	----



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Client sample ID

				SB5_0.2	SB6_0.2	SB7_0.2	SB7_0.5	QC1
Client sampling date / time				14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit	EM1913164-009	EM1913164-011	EM1913164-013	EM1913164-014	EM1913164-015
				Result	Result	Result	Result	Result
EP075(SIM)A: Phenolic Compounds - Continued								
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	----	<0.5	----	----
2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	----	<0.5	----	----
2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	----	<0.5	----	----
Pentachlorophenol	87-86-5	2	mg/kg	<2	----	<2	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	<0.5	----	----
Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	<0.5	----	----
Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	----	<0.5	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	0.6	----	0.6	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	1.2	----	1.2	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	<10	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	<50	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	<100	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	<100	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	----	<50	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	<10	----	----



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB5_0.2	SB6_0.2	SB7_0.2	SB7_0.5	QC1
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-009	EM1913164-011	EM1913164-013	EM1913164-014	EM1913164-015
					Result	Result	Result	Result	Result
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued									
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	----	<10	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	----	<50	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	----	<100	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	----	<100	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	----	<50	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	----	<50	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	----	<0.2	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	----	<0.5	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	----	<0.5	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	----	<0.5	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	----	<0.5	----	----
^ Sum of BTEX	----	0.2	mg/kg		<0.2	----	<0.2	----	----
^ Total Xylenes	----	0.5	mg/kg		<0.5	----	<0.5	----	----
Naphthalene	91-20-3	1	mg/kg		<1	----	<1	----	----
EP202A: Phenoxyacetic Acid Herbicides by LCMS									
4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg		<0.02	----	<0.02	----	----
2,4-DB	94-82-6	0.02	mg/kg		<0.02	----	<0.02	----	----
Dicamba	1918-00-9	0.02	mg/kg		<0.02	----	<0.02	----	----
Mecoprop	93-65-2	0.02	mg/kg		<0.02	----	<0.02	----	----
MCPA	94-74-6	0.02	mg/kg		<0.02	----	<0.02	----	----
2,4-DP	120-36-5	0.02	mg/kg		<0.02	----	<0.02	----	----
2,4-D	94-75-7	0.02	mg/kg		<0.02	----	<0.02	----	----
Triclopyr	55335-06-3	0.02	mg/kg		<0.02	----	<0.02	----	----
2,4,5-TP (Silvex)	93-72-1	0.02	mg/kg		<0.02	----	<0.02	----	----
2,4,5-T	93-76-5	0.02	mg/kg		<0.02	----	<0.02	----	----
MCPB	94-81-5	0.02	mg/kg		<0.02	----	<0.02	----	----
Picloram	1918-02-1	0.02	mg/kg		<0.02	----	<0.02	----	----
Clopyralid	1702-17-6	0.02	mg/kg		<0.02	----	<0.02	----	----
Fluroxypyr	69377-81-7	0.02	mg/kg		<0.02	----	<0.02	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		94.7	----	97.5	----	----



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SB5_0.2	SB6_0.2	SB7_0.2	SB7_0.5	QC1
Client sampling date / time					14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00	14-Aug-2019 00:00
Compound	CAS Number	LOR	Unit		EM1913164-009	EM1913164-011	EM1913164-013	EM1913164-014	EM1913164-015
					Result	Result	Result	Result	Result
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		99.6	102	88.6	----	91.2
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		98.5	102	87.7	----	93.0
EP069: Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		99.7	----	94.6	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		96.3	----	92.5	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		96.7	----	93.3	----	----
2,4,6-Tribromophenol	118-79-6	0.5	%		97.3	----	94.6	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		99.7	----	104	----	----
Anthracene-d10	1719-06-8	0.5	%		94.9	----	92.2	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		108	----	104	----	----
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		67.9	----	59.4	----	----
Toluene-D8	2037-26-5	0.2	%		71.2	----	63.6	----	----
4-Bromofluorobenzene	460-00-4	0.2	%		93.6	----	82.6	----	----
EP202S: Phenoxyacetic Acid Herbicide Surrogate									
2,4-Dichlorophenyl Acetic Acid	19719-28-9	0.02	%		50.2	----	45.4	----	----



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Client sample ID

				Rinsate_1	----	----	----	----
Client sampling date / time				14-Aug-2019 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	EM1913164-016	-----	-----	-----	-----
				Result	----	----	----	----
EG020T: Total Metals by ICP-MS								
Arsenic	7440-38-2	0.001	mg/L	<0.001	----	----	----	----
Boron	7440-42-8	0.05	mg/L	<0.05	----	----	----	----
Barium	7440-39-3	0.001	mg/L	<0.001	----	----	----	----
Beryllium	7440-41-7	0.001	mg/L	<0.001	----	----	----	----
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	----	----	----	----
Cobalt	7440-48-4	0.001	mg/L	<0.001	----	----	----	----
Chromium	7440-47-3	0.001	mg/L	<0.001	----	----	----	----
Copper	7440-50-8	0.001	mg/L	<0.001	----	----	----	----
Manganese	7439-96-5	0.001	mg/L	<0.001	----	----	----	----
Nickel	7440-02-0	0.001	mg/L	<0.001	----	----	----	----
Lead	7439-92-1	0.001	mg/L	<0.001	----	----	----	----
Selenium	7782-49-2	0.01	mg/L	<0.01	----	----	----	----
Vanadium	7440-62-2	0.01	mg/L	<0.01	----	----	----	----
Zinc	7440-66-6	0.005	mg/L	<0.001	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.0001	mg/L	<0.0001	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.5	µg/L	<0.5	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	<0.5	----	----	----	----
beta-BHC	319-85-7	0.5	µg/L	<0.5	----	----	----	----
gamma-BHC	58-89-9	0.5	µg/L	<0.5	----	----	----	----
delta-BHC	319-86-8	0.5	µg/L	<0.5	----	----	----	----
Heptachlor	76-44-8	0.5	µg/L	<0.5	----	----	----	----
Aldrin	309-00-2	0.5	µg/L	<0.5	----	----	----	----
Heptachlor epoxide	1024-57-3	0.5	µg/L	<0.5	----	----	----	----
trans-Chlordane	5103-74-2	0.5	µg/L	<0.5	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	µg/L	<0.5	----	----	----	----
cis-Chlordane	5103-71-9	0.5	µg/L	<0.5	----	----	----	----
Dieldrin	60-57-1	0.5	µg/L	<0.5	----	----	----	----
4,4'-DDE	72-55-9	0.5	µg/L	<0.5	----	----	----	----
Endrin	72-20-8	0.5	µg/L	<0.5	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	µg/L	<0.5	----	----	----	----
4,4'-DDD	72-54-8	0.5	µg/L	<0.5	----	----	----	----
Endrin aldehyde	7421-93-4	0.5	µg/L	<0.5	----	----	----	----



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Client sample ID

				Rinsate_1	----	----	----	----
Client sampling date / time				14-Aug-2019 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	EM1913164-016	-----	-----	-----	-----
Result				----	----	----	----	----

EP068A: Organochlorine Pesticides (OC) - Continued

Endosulfan sulfate	1031-07-8	0.5	µg/L	<0.5	----	----	----	----
4,4'-DDT	50-29-3	2.0	µg/L	<2.0	----	----	----	----
Endrin ketone	53494-70-5	0.5	µg/L	<0.5	----	----	----	----
Methoxychlor	72-43-5	2.0	µg/L	<2.0	----	----	----	----
^ Total Chlordane (sum)	----	0.5	µg/L	<0.5	----	----	----	----
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/5 0-2	0.5	µg/L	<0.5	----	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.5	µg/L	<0.5	----	----	----	----

EP068B: Organophosphorus Pesticides (OP)

Dichlorvos	62-73-7	0.5	µg/L	<0.5	----	----	----	----
Demeton-S-methyl	919-86-8	0.5	µg/L	<0.5	----	----	----	----
Monocrotophos	6923-22-4	2.0	µg/L	<2.0	----	----	----	----
Dimethoate	60-51-5	0.5	µg/L	<0.5	----	----	----	----
Diazinon	333-41-5	0.5	µg/L	<0.5	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L	<0.5	----	----	----	----
Parathion-methyl	298-00-0	2.0	µg/L	<2.0	----	----	----	----
Malathion	121-75-5	0.5	µg/L	<0.5	----	----	----	----
Fenthion	55-38-9	0.5	µg/L	<0.5	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	µg/L	<0.5	----	----	----	----
Parathion	56-38-2	2.0	µg/L	<2.0	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	µg/L	<0.5	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	µg/L	<0.5	----	----	----	----
Bromophos-ethyl	4824-78-6	0.5	µg/L	<0.5	----	----	----	----
Fenamiphos	22224-92-6	0.5	µg/L	<0.5	----	----	----	----
Prothiofos	34643-46-4	0.5	µg/L	<0.5	----	----	----	----
Ethion	563-12-2	0.5	µg/L	<0.5	----	----	----	----
Carbophenothion	786-19-6	0.5	µg/L	<0.5	----	----	----	----
Azinphos Methyl	86-50-0	0.5	µg/L	<0.5	----	----	----	----

EP068S: Organochlorine Pesticide Surrogate

Dibromo-DDE	21655-73-2	0.5	%	81.4	----	----	----	----
-------------	------------	-----	---	------	------	------	------	------

EP068T: Organophosphorus Pesticide Surrogate

DEF	78-48-8	0.5	%	83.8	----	----	----	----
-----	---------	-----	---	------	------	------	------	------



Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	36	140
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	38	128
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	33	139
EP069: Surrogate			
Decachlorobiphenyl	2051-24-3	70	130
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	54	125
2-Chlorophenol-D4	93951-73-6	65	123
2,4,6-Tribromophenol	118-79-6	34	122
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	61	125
Anthracene-d10	1719-06-8	62	130
4-Terphenyl-d14	1718-51-0	67	133
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	51	125
Toluene-D8	2037-26-5	55	125
4-Bromofluorobenzene	460-00-4	56	124
EP202S: Phenoxyacetic Acid Herbicide Surrogate			
2,4-Dichlorophenyl Acetic Acid	19719-28-9	45	139

Sub-Matrix: WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	117
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	51	127

Appendix F: SELECTED DBYD REPORTS

APA Group
PO Box 6014 Halifax Street
South Australia 5000



For your immediate information THERE IS A GAS DISTRIBUTION PIPELINE AND/OR ASSOCIATED INFRASTRUCTURE in the area of your works.

01/02/2022

Company: Coffey
Cassandra Williams-Hill
Level 11,2 Riverside Quay
Southbank
VIC 3006

cassandra.williams-hill@coffey.com

Dear Cassandra Williams-Hill

Sequence Number: 207618818
Worksite Address: 7 Cassinia Road
Kialla
VIC 3631

You are hereby notified that the attached Duty of Care requirements apply to any activity in the vicinity of Gas Assets operated by APA, please ensure you read and comply with all the relevant requirements.

Should you have any questions with regards to the attached information please contact our Dial Before You Dig officer - 1800 085 628.

Caution - Damage to gas assets could result in possible explosion and fire with the risk of personal injury.

For Gas Emergencies please call 1800 GAS LEAK (1800 427 532).

Please find enclosed the following information:

- APA's Duty of Care, If you are unclear of your obligations under these requirements please contact the APA Representative listed above immediately
- An overview map with your requested area highlighted to assist in identifying the location of APA's Gas Assets
- A map(s) showing APA's Gas Assets in the requested area, this information is valid for 30 days from the date of this response, **please check this represents the area you requested**, if it does not, please contact the APA Representative listed above immediately

Please Note: For some DBYD enquiries, you might receive 2 responses from the APA Group. Please read both responses carefully as they will relate to different assets. It is your responsibility to action all requirements set out in APA Group responses.

Please take some time to review the entire response document and check the information supplied and please let us have any feedback by sending an email to DBYDNetworksAPA@apa.com.au or contacting us direct on 1800 085 628.

Yours Faithfully,

Dial Before You Dig Officer
APA Group
Email: DBYDNetworksAPA@apa.com.au

Duty of Care - Working Around Gas Assets

General Conditions

- This location enquiry is valid for 30 days from the date of this response
- Expired locations, i.e., over 30 days from the date of this response, require a new Dial Before You Dig request to validate location information
- The location information supplied in this document shall be used as a guide only. APA Group shall not be liable or responsible for the accuracy of any such information supplied pursuant to this request
- It is the responsibility of the excavator to expose all Gas Assets, including Gas Service pipes (see below), **by hand**. Gas Asset depths may vary according to ground conditions
- Gas Service (inlet service) connecting Gas Assets in the street to the gas meter on the property are typically **not** marked on the map
- Generally, a map of the inlet service connection installation may be found inside the gas meter box
- The use of Non Destructive Digging (hydro-excavation) is permitted only if the following are adhered to:
 - a) maximum water pressure of 1000psi
 - b) impacting the gas asset must be prevented at all times
 - c) vertical movements in the vicinity of the gas asset such as pushing the pressure wand nozzle or vacuum tube into the soil to break it up is prohibited
 - d) the use of root cutting heads/turbo nozzles is prohibited at all times
 - e) a minimum distance of 100mm shall be maintained between the end of the pressure wand nozzle and the gas asset. Aiming directly at the gas asset shall be avoided at all times
 - f) a dead man trigger or similar, shall be installed on the wand
 - g) once a gas asset has been exposed via hydro-excavation methods, a visual check must be undertaken to ensure no damage has occurred to the pipe or its coating
- This information has been generated by an automated system based on the area highlighted in your DBYD request and has not been independently verified. **It is your responsibility** to ensure that the information supplied in this response matches the dig site you defined when submitting your Dial Before You Dig enquiry. If the information does not match the dig site or you have any question, please contact APA immediately using the details listed on the first page and / or please resubmit your enquiry
- For **Gas Emergencies** please call 1800 GAS LEAK (1800 427 532).

APA CHANGE NOTIFICATION

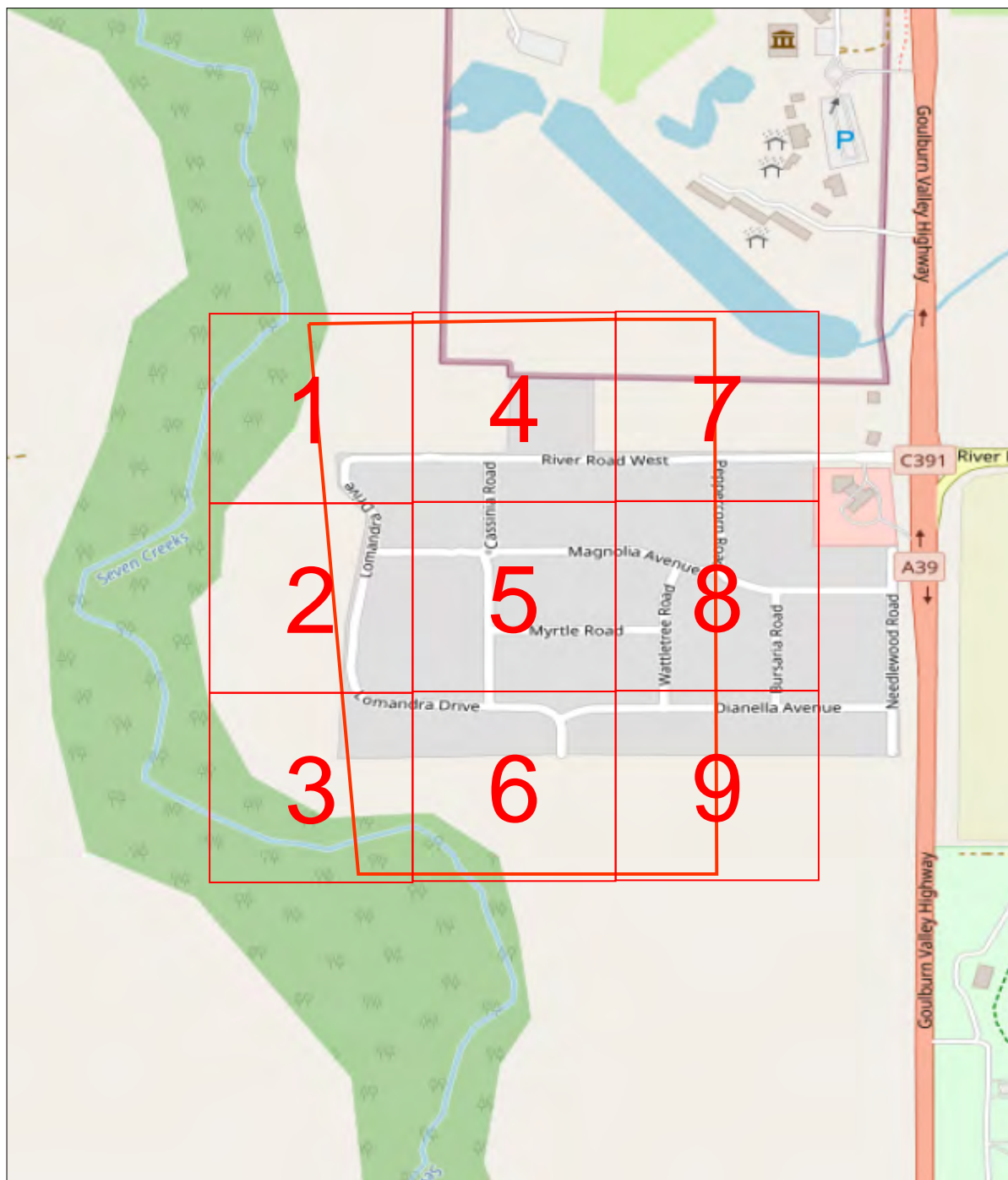
The map below may have different symbols to those you are familiar with.

APA recently upgraded the asset mapping software utilised for Dial Before You Dig requests.

To avoid confusion, please carefully review the legend along with the map.

Please direct any questions to DBYDNetworksAPA@apa.com.au

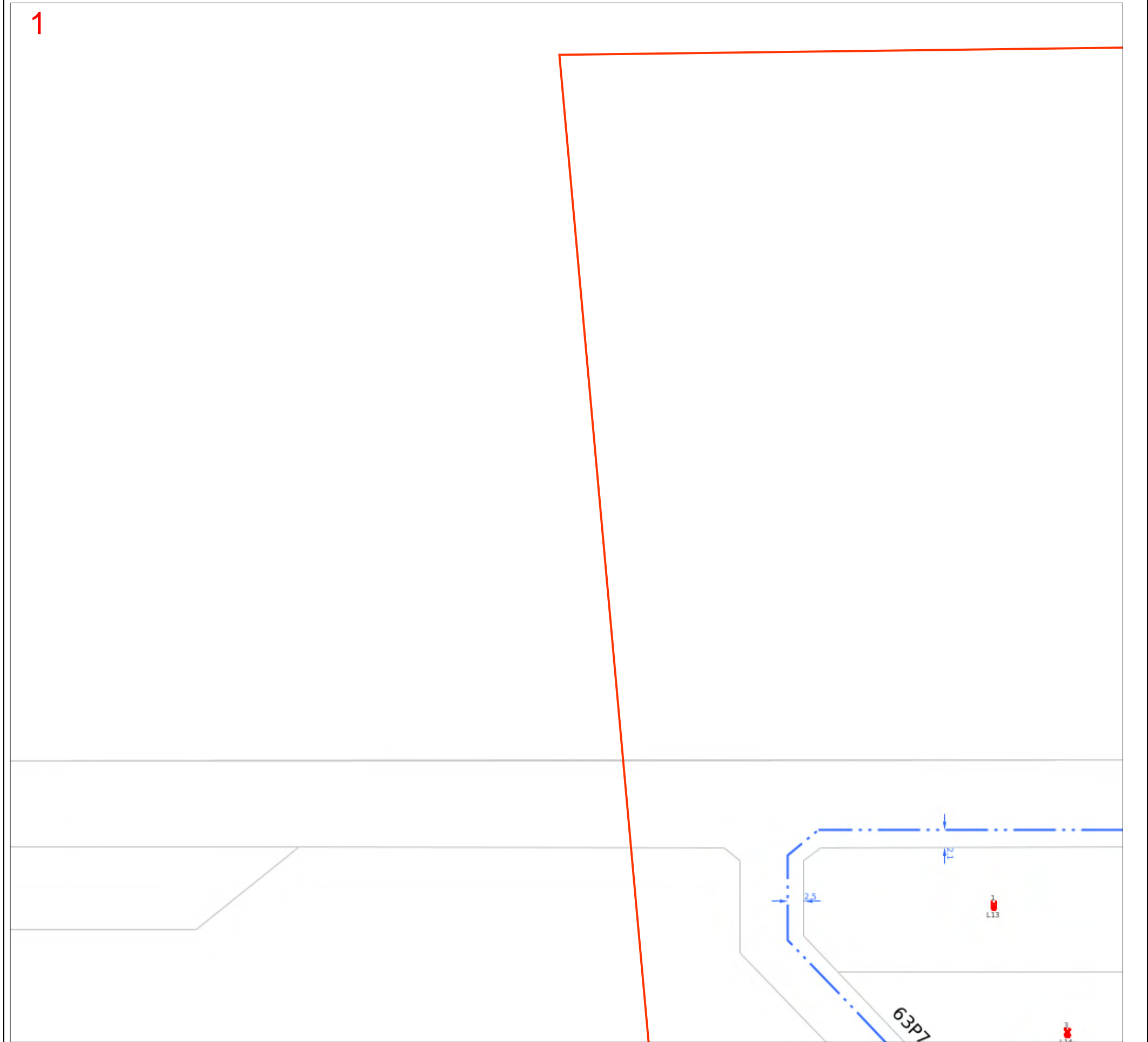
Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
Name	Cassandra Williams-Hill		
Email	cassandra.williams-hill@coffey.com		



Scale 1: 6000		Enquiry Area	Map Key Area
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Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
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LEGEND		
PIPE AND BOUNDARIES	PIPE CODE / MATERIALS	OBJECTS or TERMS
LOW PRESSURES	C# (e.g. C2) Cast Iron	VALVES
MEDIUM PRESSURES	CU Copper	BURIED VALVES
HIGH PRESSURES	N2 Nylon	REGULATORS
TRANSMISSION PRESSURES	P# (e.g. P6) Polyethylene (PE)	GAS SUPPLIED = YES
PRIORITY MAIN (BEHIND PIPE)	P6,P7,P9-P12 Medium Density PE	CP RECTIFIER UNIT
PROPOSED (COLOUR BY PRESSURE)	P2,P4,P8 High Density PE	CP TEST POINT/ ANODE
LPG (COLOUR BY PRESSURE)	S# (e.g. S8) Steel	SYPHON
ABANDONED	W2 Wrought Galv. Iron	TRACE WIRE POINT
IDLE	W3 Poly Coat Wrought Galv. Iron	PIPELINE MARKER
SLEEVE	Pipe diameter in millimetres is shown before pipe code	NOT TIED IN
CASING / SPLIT (BEHIND PIPE)	e.g. 40P6 = 40mm nominal diameter	DEPTH OF COVER
EASEMENT/ JURISDICTION		BACK / FRONT OF KERB
EXAMPLES		
40P6 in 80C2	40mm High Pressure Medium Density Polyethylene in an 80mm Cast Iron Casing	
63S8	63mm Medium Pressure Steel	

Line / Polygon Request

This map is created in colour and shall be printed in colour

Map Key

1	4	7
2	5	8
3	6	9

Scale 1:700

00.008km

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Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
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LEGEND

PIPE AND BOUNDARIES	PIPE CODE / MATERIALS	OBJECTS or TERMS
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SLEEVE	Pipe diameter in millimetres is shown before pipe code	NOT TIED IN
CASING / SPLIT (BEHIND PIPE)	e.g. 40P6 = 40mm nominal diameter	DEPTH OF COVER
EASEMENT/ JURISDICTION		BACK / FRONT OF KERB

EXAMPLES

40P6 in 80C2	40mm High Pressure Medium Density Polyethylene in an 80mm Cast Iron Casing
63S8	63mm Medium Pressure Steel

Line / Polygon Request

Map Key

1	4	7
2	5	8
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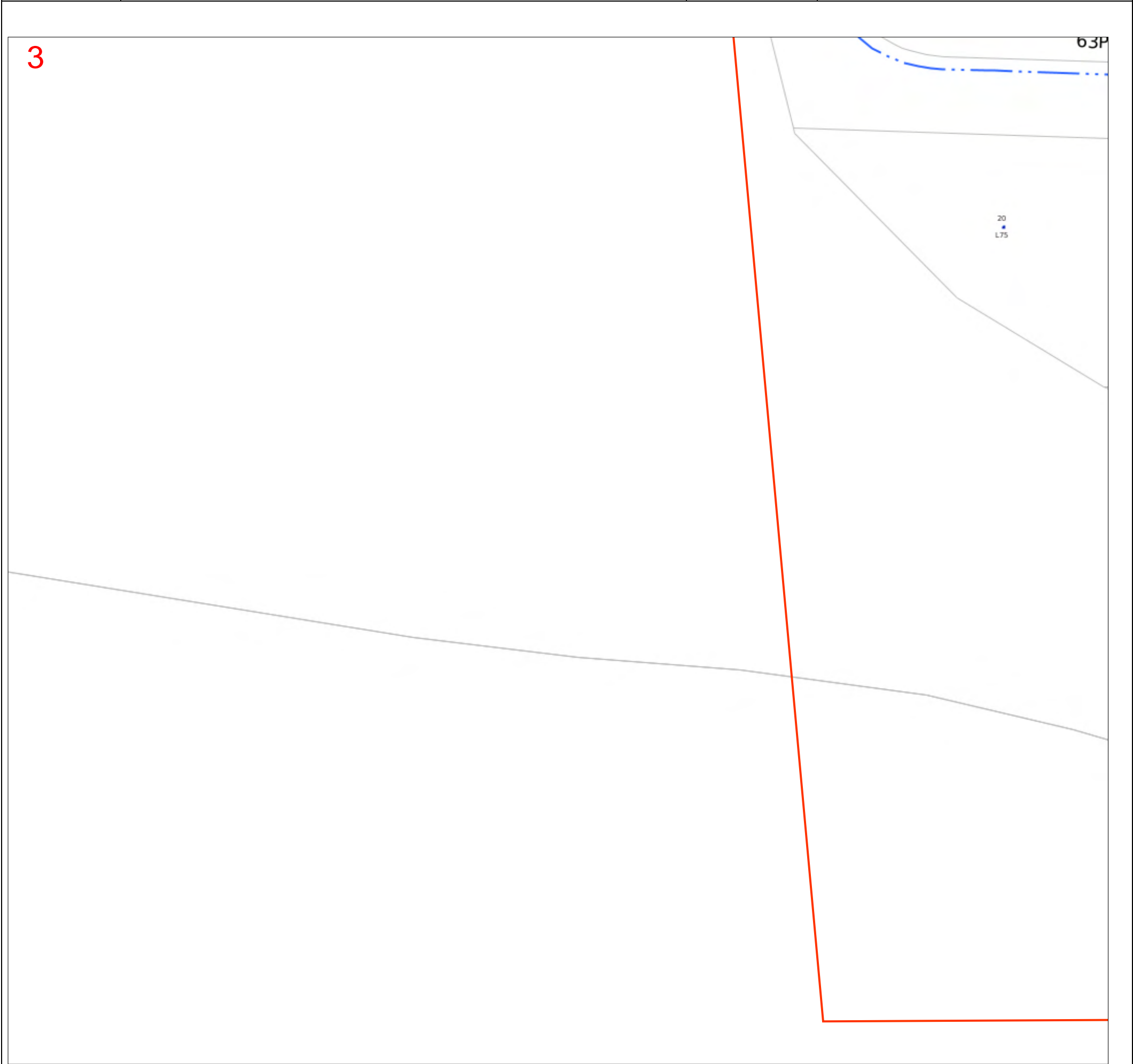
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Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
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LEGEND

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CASING / SPLIT (BEHIND PIPE)	e.g. 40P6 = 40mm nominal diameter	DEPTH OF COVER
EASEMENT/ JURISDICTION		BACK / FRONT OF KERB

EXAMPLES

40P6 in 80C2	40mm High Pressure Medium Density Polyethylene in an 80mm Cast Iron Casing
63S8	63mm Medium Pressure Steel

Line / Polygon Request

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Map Key

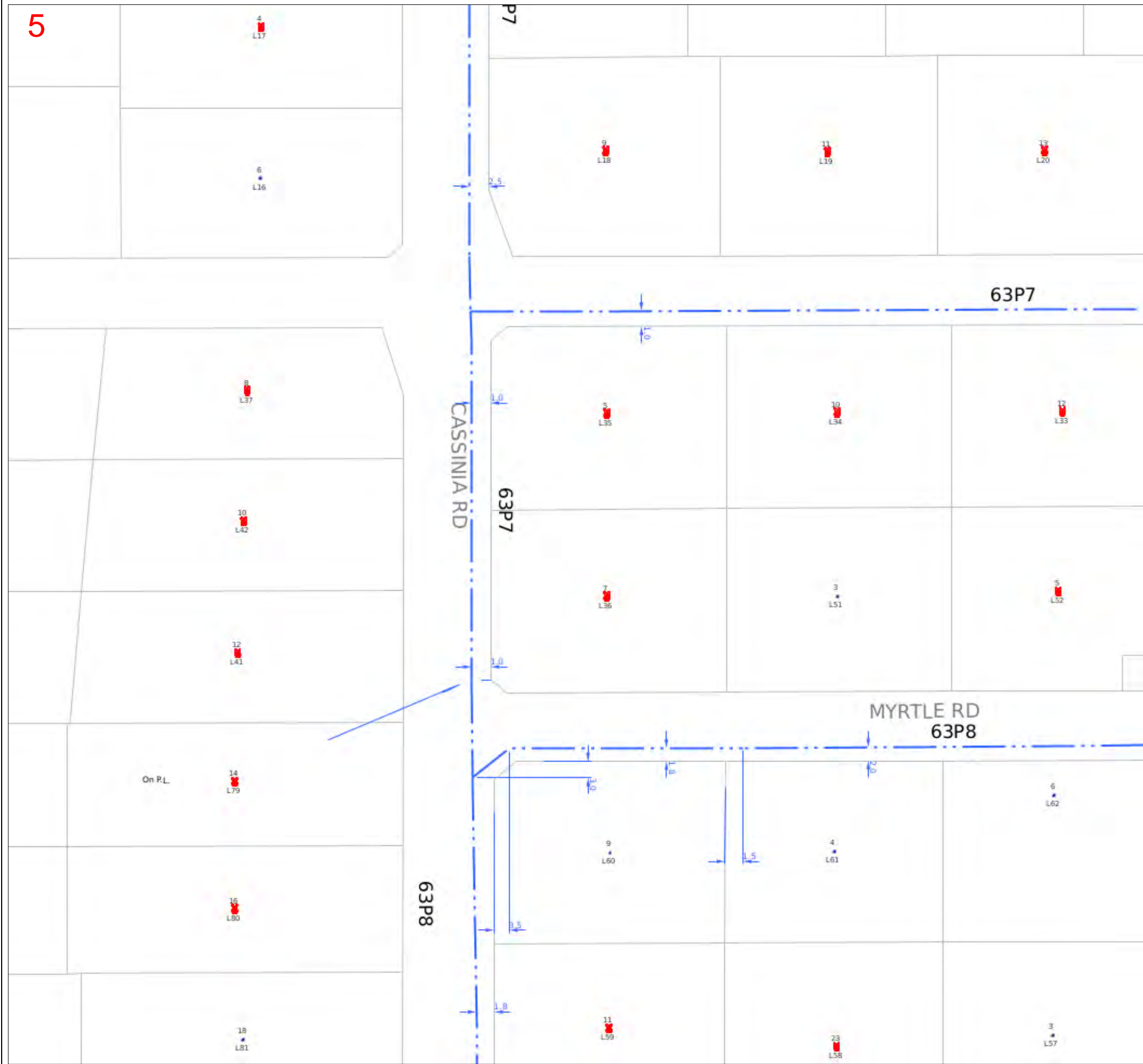
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Scale 1:700

0 0.008km

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Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
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CASING / SPLIT (BEHIND PIPE)	e.g. 40P6 = 40mm nominal diameter	DEPTH OF COVER
EASEMENT/ JURISDICTION		BACK / FRONT OF KERB
EXAMPLES	40P6 in 80C2 40mm High Pressure Medium Density Polyethylene in an 80mm Cast Iron Casing	
	63S8 63mm Medium Pressure Steel	

Line / Polygon Request

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Scale 1:700

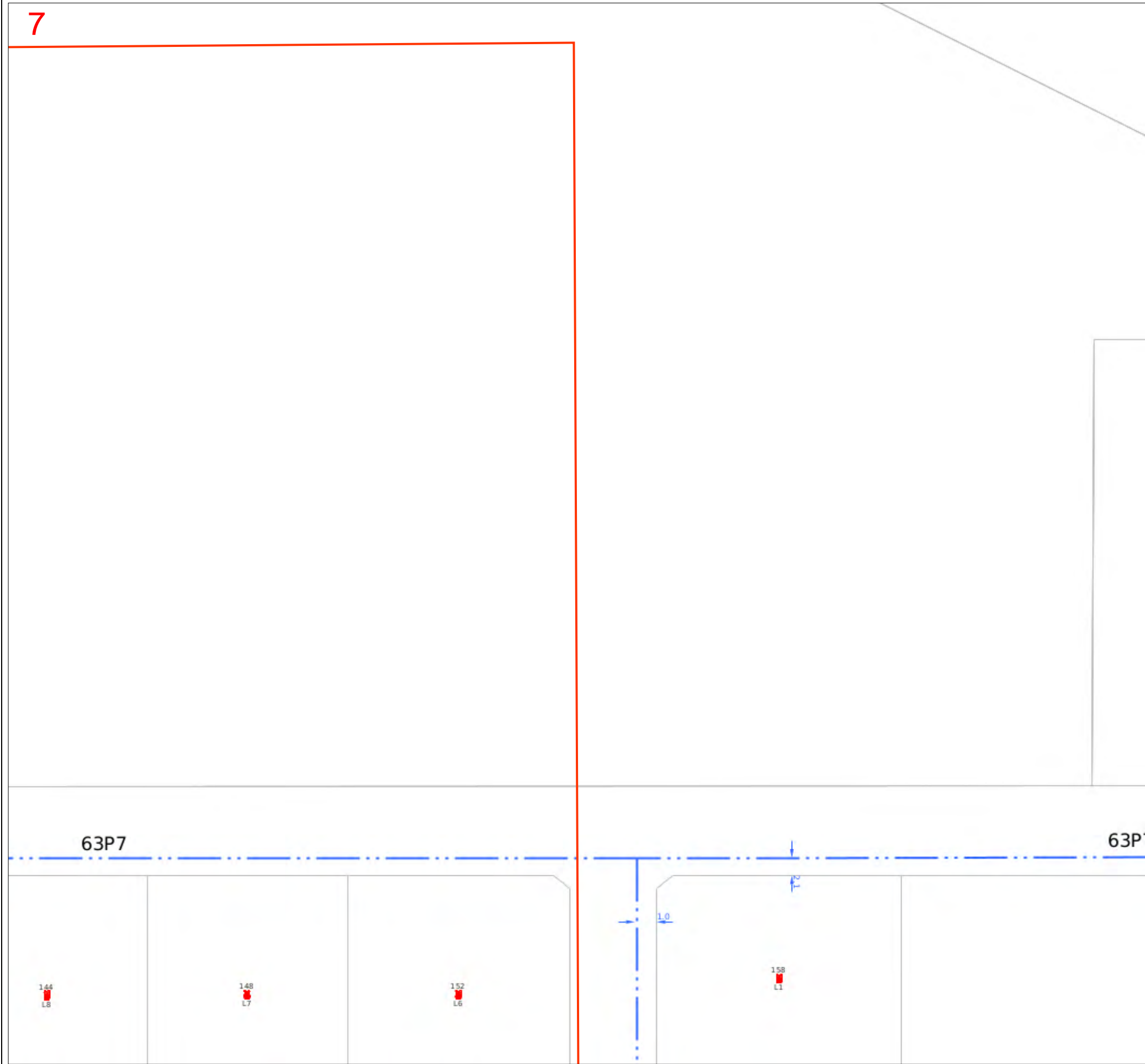
0 0.008km



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Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
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LEGEND		Map Key
PIPE AND BOUNDARIES LOW PRESSURES MEDIUM PRESSURES HIGH PRESSURES TRANSMISSION PRESSURES PRIORITY MAIN (BEHIND PIPE) PROPOSED (COLOUR BY PRESSURE) LPG (COLOUR BY PRESSURE) ABANDONED IDLE SLEEVE CASING / SPLIT (BEHIND PIPE) EASEMENT/ JURISDICTION	PIPE CODE / MATERIALS C# (e.g. C2) Cast Iron CU Copper N2 Nylon P# (e.g. P6) Polyethylene (PE) P6,P7,P9-P12 Medium Density PE P2,P4,P8 High Density PE S# (e.g. S8) Steel W2 Wrought Galv. Iron W3 Poly Coat Wrought Galv. Iron Pipe diameter in millimetres is shown before pipe code e.g. 40P6 = 40mm nominal diameter EXAMPLES 40P6 in 80C2 40mm High Pressure Medium Density Polyethylene in an 80mm Cast Iron Casing 63S8 63mm Medium Pressure Steel Line / Polygon Request	OBJECTS or TERMS VALVES BURIED VALVES REGULATORS GAS SUPPLIED = YES CP RECTIFIER UNIT CP TEST POINT/ ANODE SYPHON TRACE WIRE POINT PIPELINE MARKER NOT TIED IN DEPTH OF COVER BACK / FRONT OF KERB Bok Bok
Scale 1:700		
0 0.008km		
This map is created in colour and shall be printed in colour		

APA Group does not guarantee the accuracy or completeness of the map and does not make any warranty about the data. APA Group is not under any liability to the user for any loss or damage (including consequential loss or damage) which the user may suffer resulting from the use of this map

Site Address	7 Cassinia Road Kialla 3631	Sequence No	207618818
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LEGEND

PIPE AND BOUNDARIES	PIPE CODE / MATERIALS	OBJECTS or TERMS
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HIGH PRESSURES	N2 Nylon	REGULATORS
TRANSMISSION PRESSURES	P# (e.g. P6) Polyethylene (PE)	GAS SUPPLIED = YES
PRIORITY MAIN (BEHIND PIPE)	P6,P7,P9-P12 Medium Density PE	CP RECTIFIER UNIT
PROPOSED (COLOUR BY PRESSURE)	P2,P4,P8 High Density PE	CP TEST POINT/ ANODE
LPG (COLOUR BY PRESSURE)	S# (e.g. S8) Steel	SYPHON
ABANDONED	W2 Wrought Galv. Iron	TRACE WIRE POINT
IDLE	W3 Poly Coat Wrought Galv. Iron	PIPELINE MARKER
SLEEVE	Pipe diameter in millimetres is shown before pipe code	NOT TIED IN
CASING / SPLIT (BEHIND PIPE)	e.g. 40P6 = 40mm nominal diameter	DEPTH OF COVER
EASEMENT/ JURISDICTION		BACK / FRONT OF KERB

EXAMPLES

40P6 in 80C2	40mm High Pressure Medium Density Polyethylene in an 80mm Cast Iron Casing
63S8	63mm Medium Pressure Steel

Line / Polygon Request

Map Key

1	4	7
2	5	8
3	6	9

Scale 1:700

0 0.008km

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90 Welsford Street
Shepparton
Victoria, 3630

To:

Coffey - Cassandra Williams-Hill

Level 11,2 Riverside Quay

Southbank

VIC

3006

Enquiry Details	
Utility ID	22830
Job Number	31304775
Sequence Number	207618812
Enquiry Date	01/02/2022 19:13
Response	AFFECTED
Address	7 Cassinia Road Kialla
Location in Road	Road,Nature Strip,Footpath
Activity	Planning and Design

Enquirer Details	
Customer ID	3172876
Contact	Cassandra Williams-Hill
Company	Coffey
Email	cassandra.williams-hill@coffey.com
Phone	+61402552616

Attached is a map of Greater Shepparton City Council assets in the area of your enquiry. This does not include private assets.

Please note these plans are indicative locations only and are to be used in conjunction with onsite visual identification of assets.

Any works within the road reserve including the road, footpath or nature strip requires consent from the council. Please contact the Permit Inspection Officer at the council using the contact details below.

If you require further information please contact the Works Maintenance Department on (03) 5832 9828 or DBYD@shepparton.vic.gov.au.

Damaged Infrastructure: Any damage to Greater Shepparton City Council's infrastructure should be reported immediately to Customer Service on phone: (03) 5832 9700. Any damage found at a later date, or upon completion of works not reported to Council, will be repaired at the direct cost of the applicant.

While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Greater Shepparton City Council or Mipela GeoSolutions shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

Greater Shepparton City Council

Locked Bag 1000, Shepparton, Vic, 3632

Council Office: 90 Welsford Street, Shepparton

Ph: (03) 5832 9713 Fax: (03) 5831 1987 Email: council@shepparton.vic.gov.au

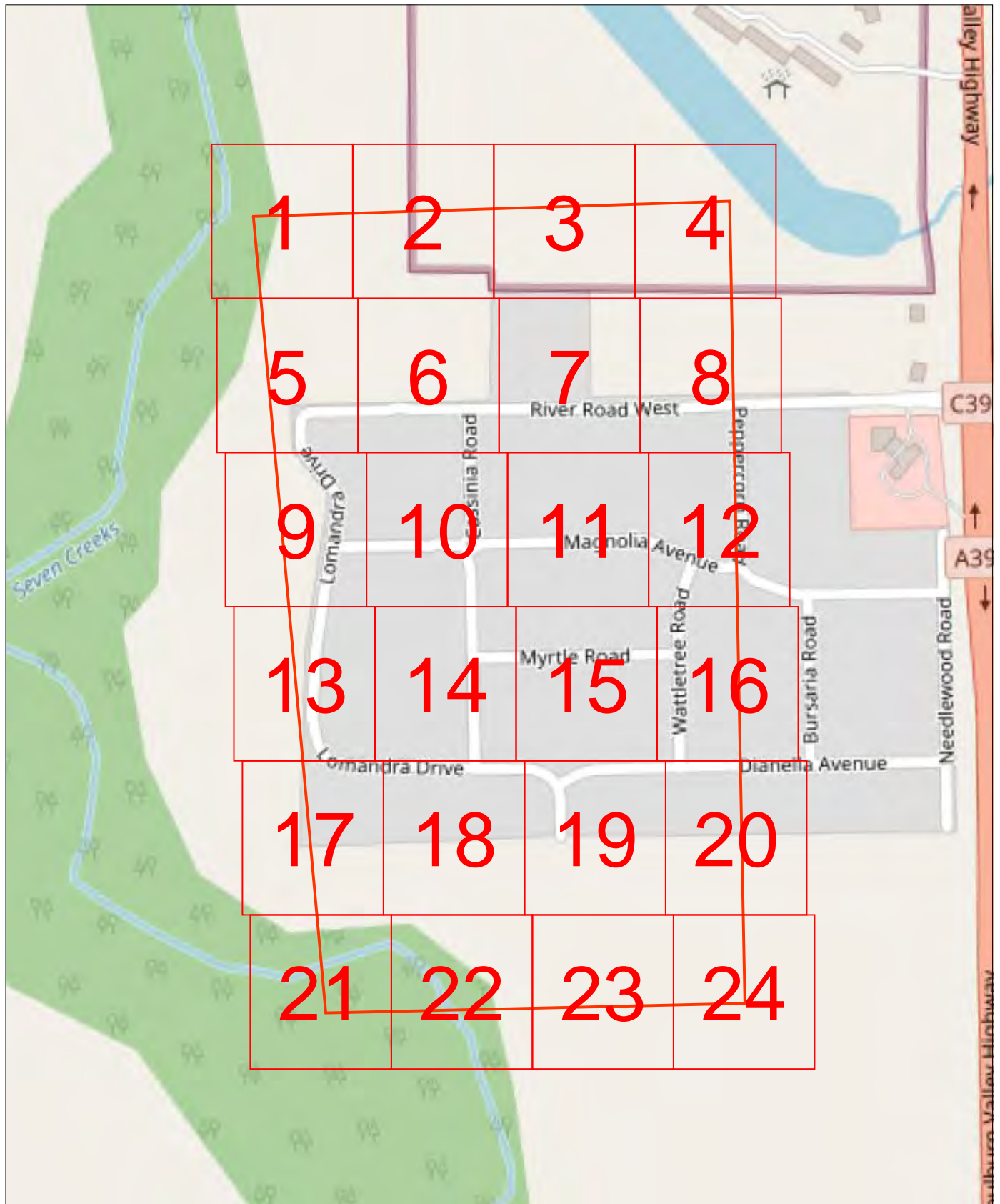
www.greatershepparton.com.au

ABN 59 835 329 843

Overview Map

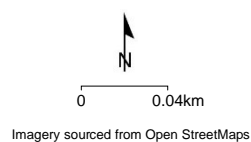
Sequence No: 207618812

7 Cassinia Road Kialla



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The location of Council owned assets shown on this map report is approximate only and the exact position of any of these assets should be confirmed on site.



LEGEND:

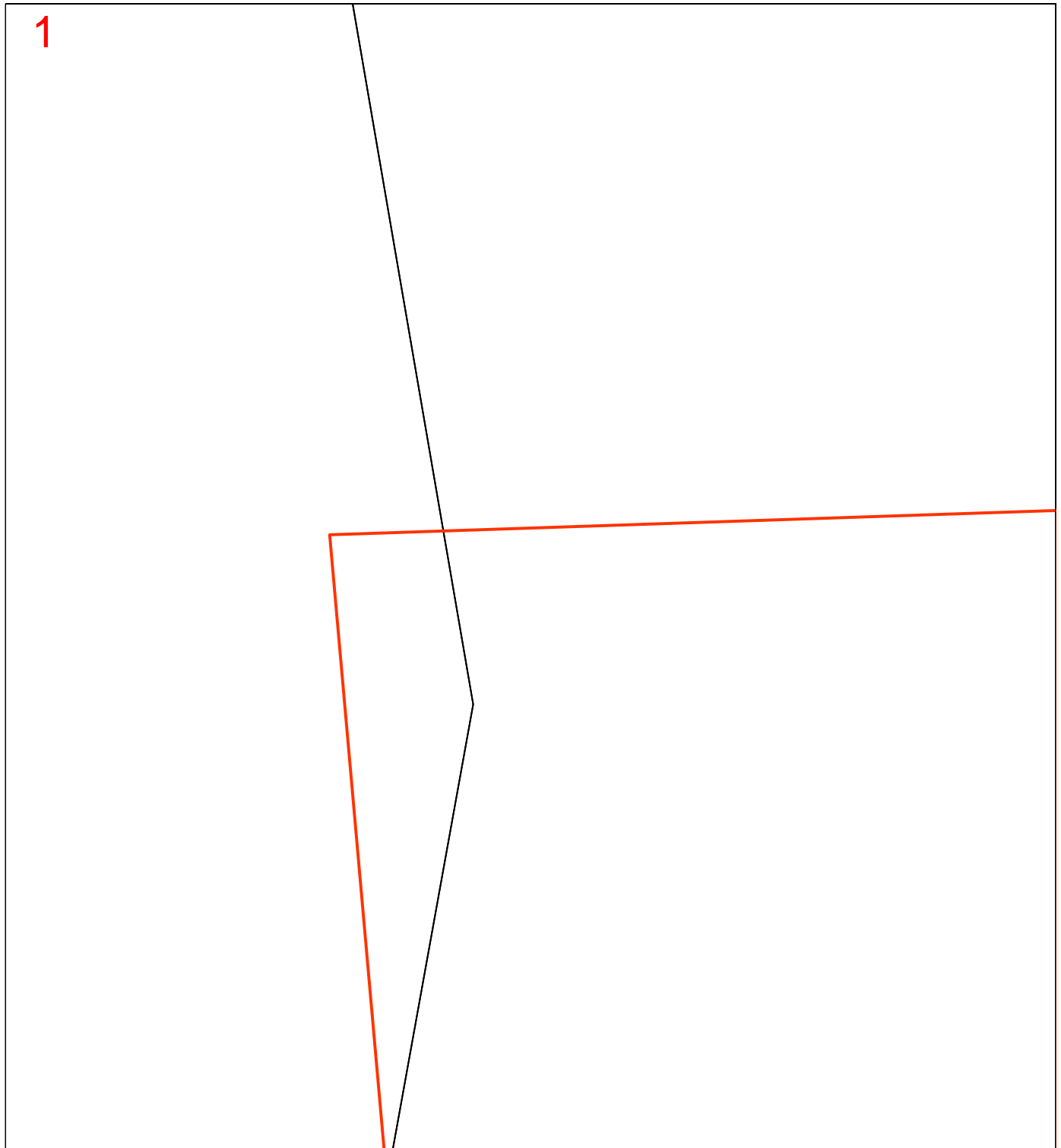
- 1** Detail Map
- Affected DBYD Work Area

Map 1

Sequence No: 207618812

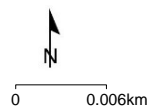
7 Cassinia Road Kialla

1














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LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 2












Sequence No: 207618812

7 Cassinia Road Kialla

2

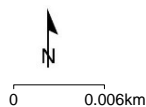


LEGEND:

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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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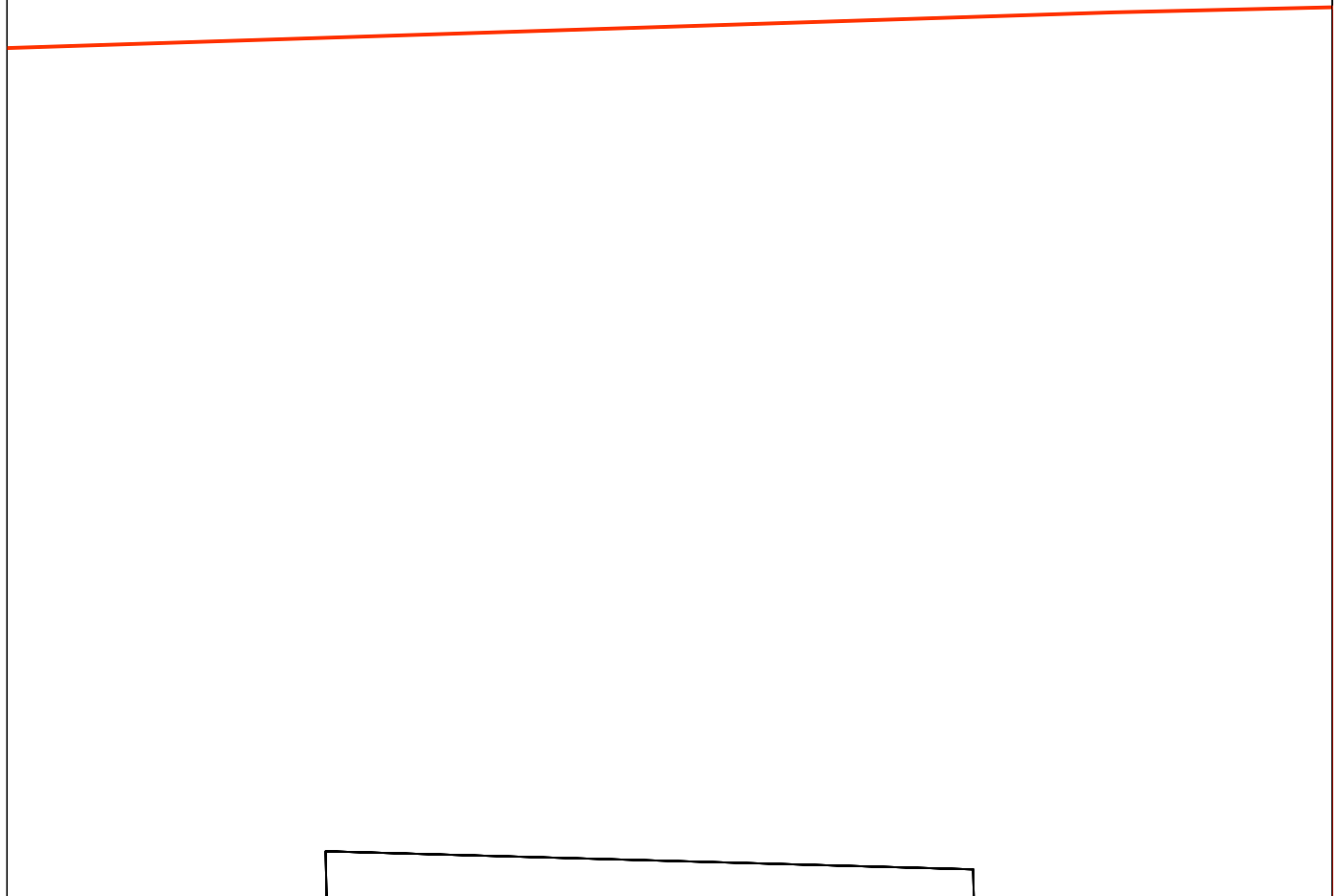


Map 3












Sequence No: 207618812

7 Cassinia Road Kialla

3

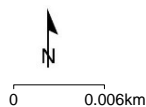


LEGEND:

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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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Map 4












Sequence No: 207618812

7 Cassinia Road Kialla

4

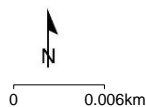


LEGEND:

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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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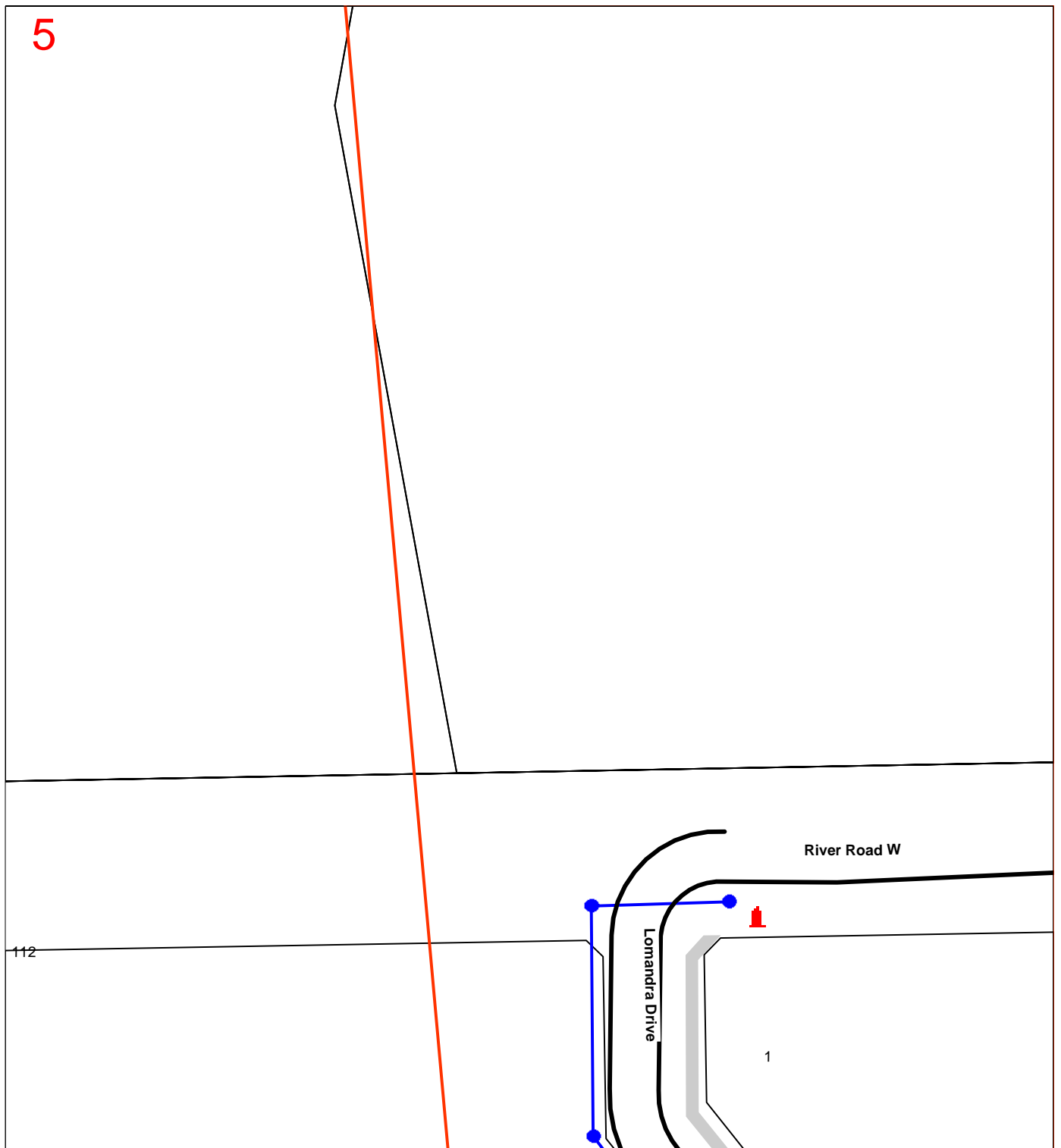


Map 5

Sequence No: 207618812

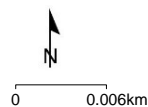
7 Cassinia Road Kialla

5














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LEGEND:

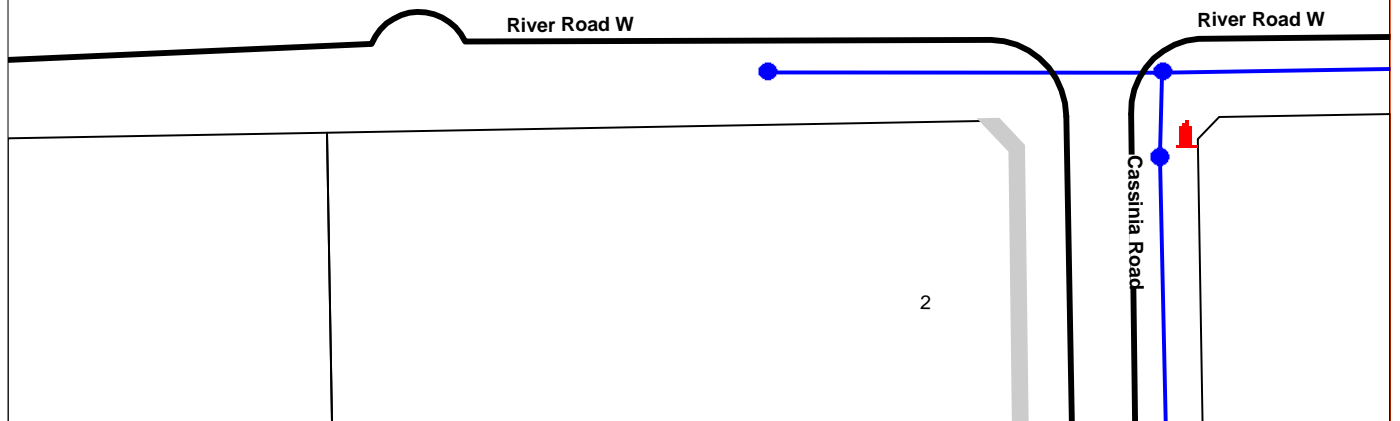
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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 6












Sequence No: 207618812

7 Cassinia Road Kialla

6

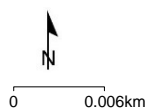


LEGEND:

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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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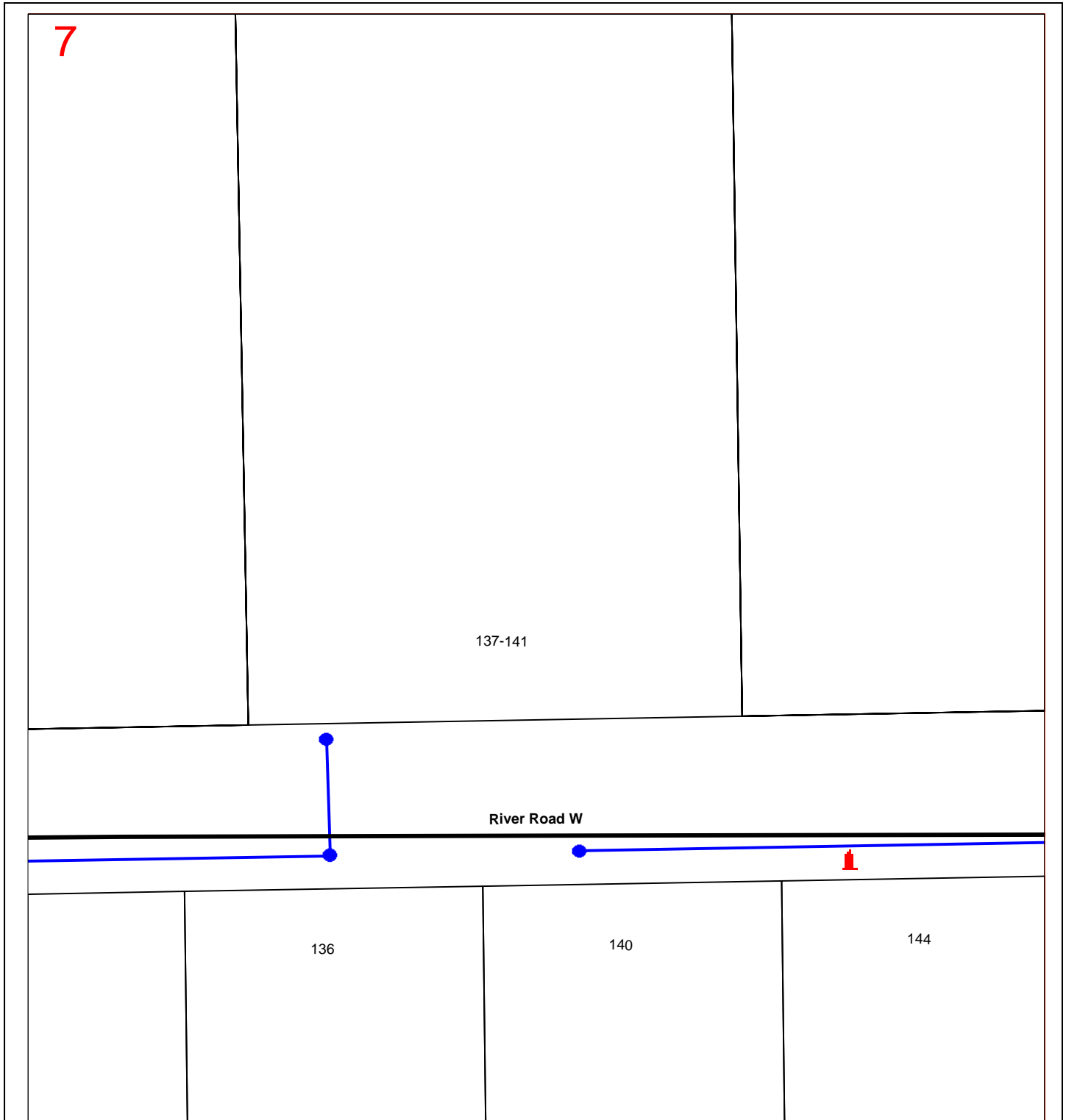
The location of Council owned assets shown on this map report is approximate only and the exact position of any of these assets should be confirmed on site.



Map 7

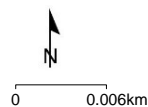
Sequence No: 207618812

7 Cassinia Road Kialla














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LEGEND:

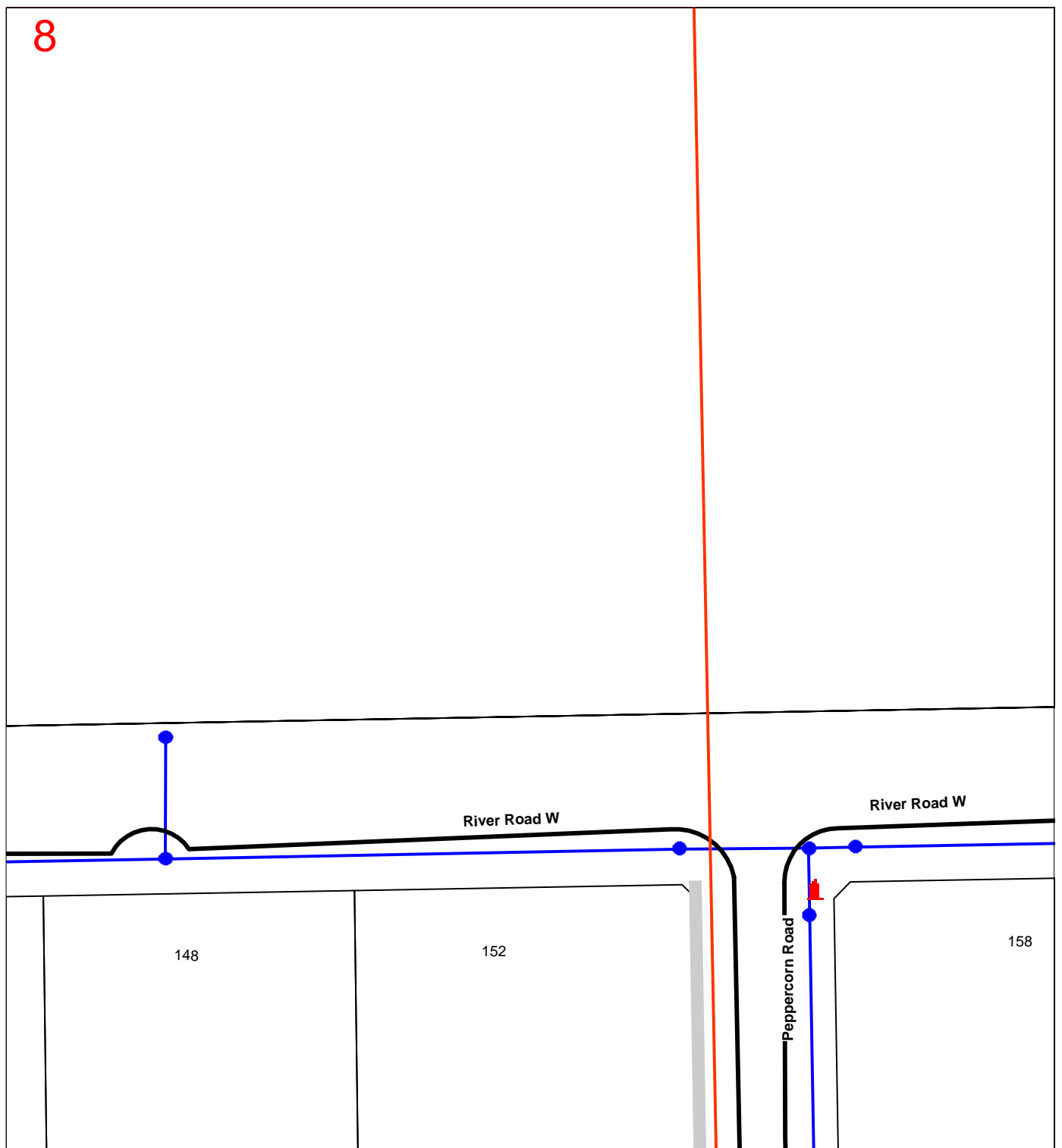
- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 8












Sequence No: 207618812

7 Cassinia Road Kialla

8

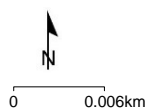


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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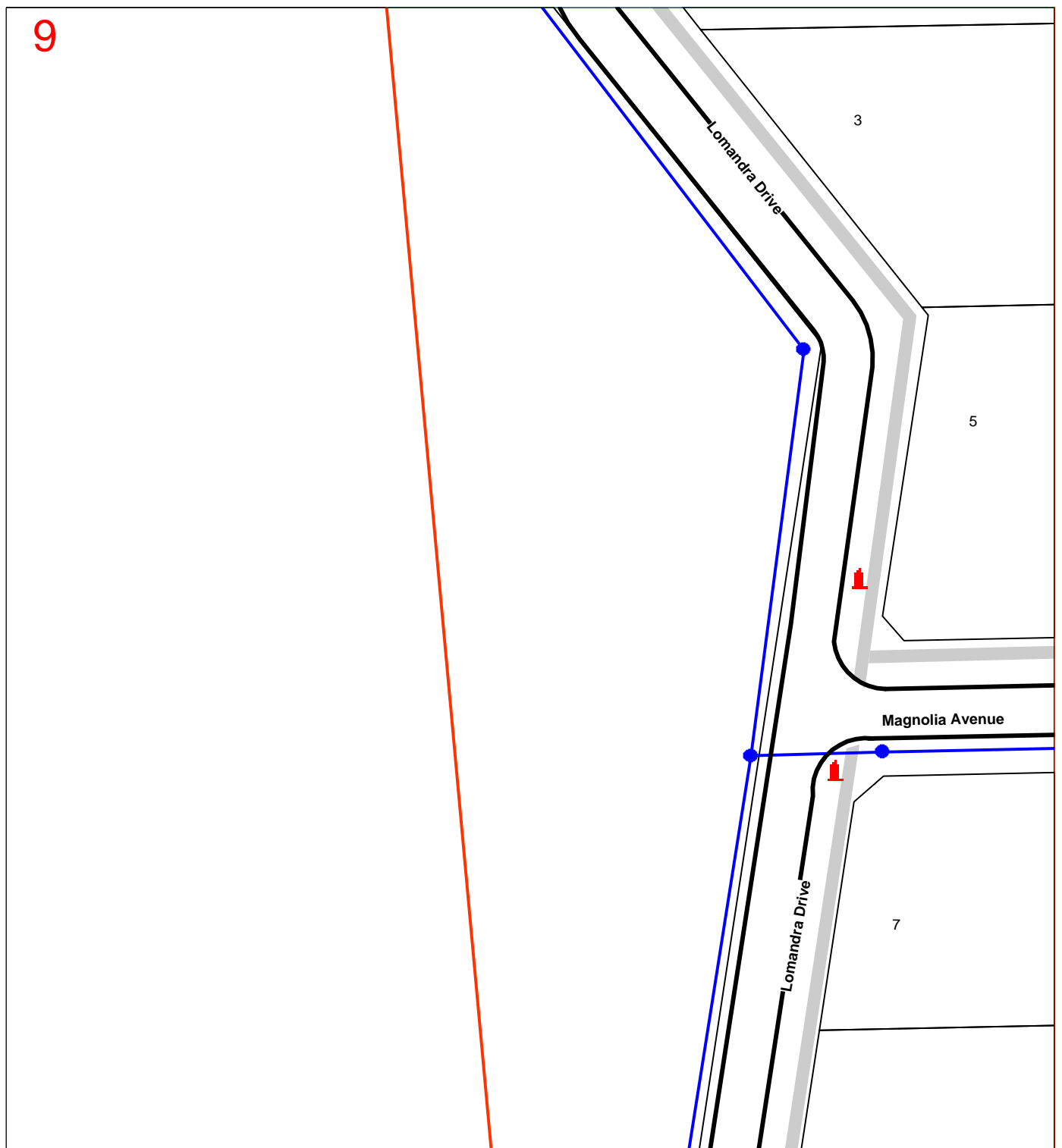
The location of Council owned assets shown on this map report is approximate only and the exact position of any of these assets should be confirmed on site.



Map 9

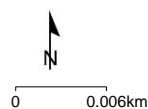
Sequence No: 207618812

7 Cassinia Road Kialla














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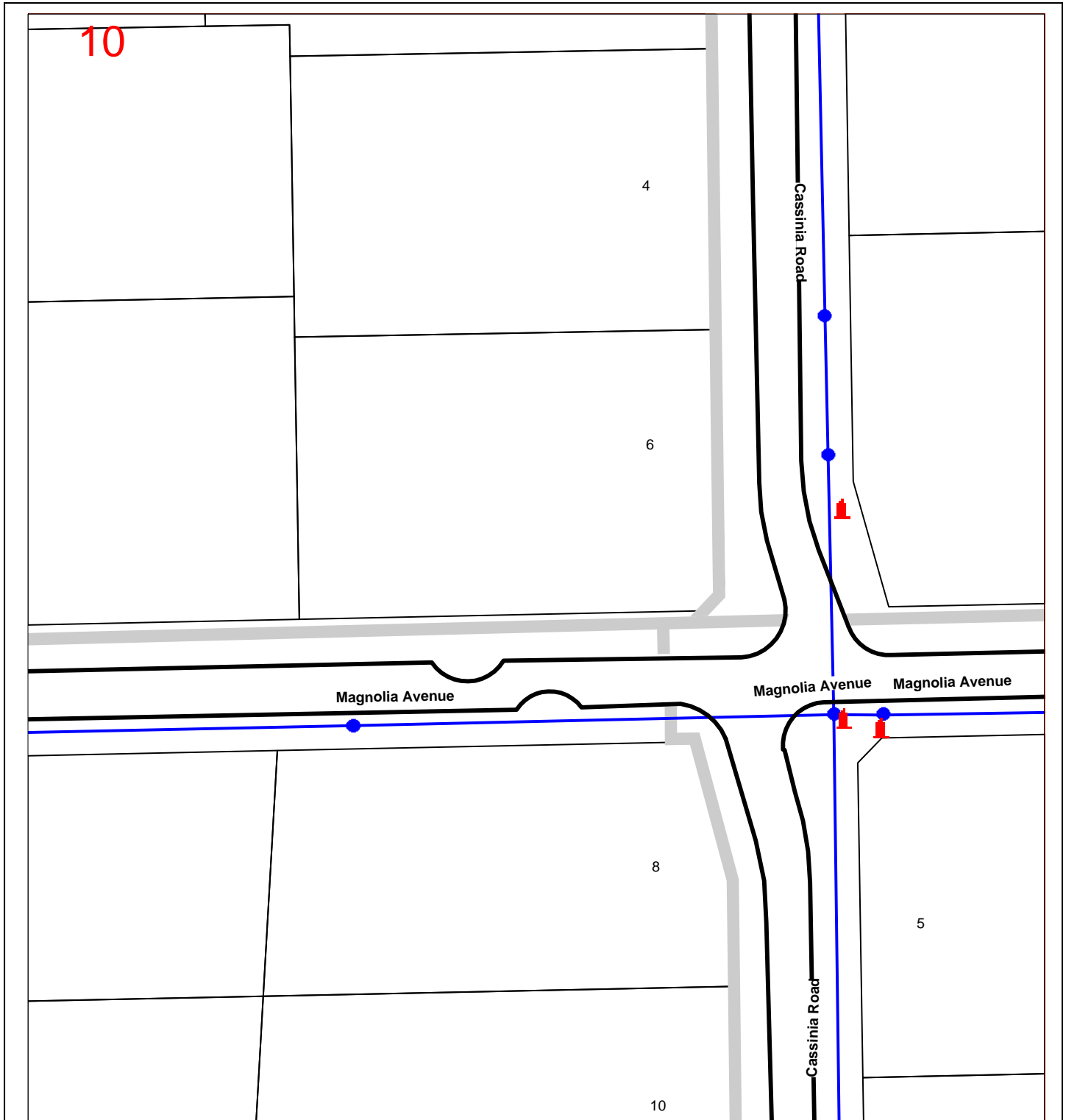
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- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |












Map 10

Sequence No: 207618812

7 Cassinia Road Kialla

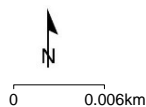


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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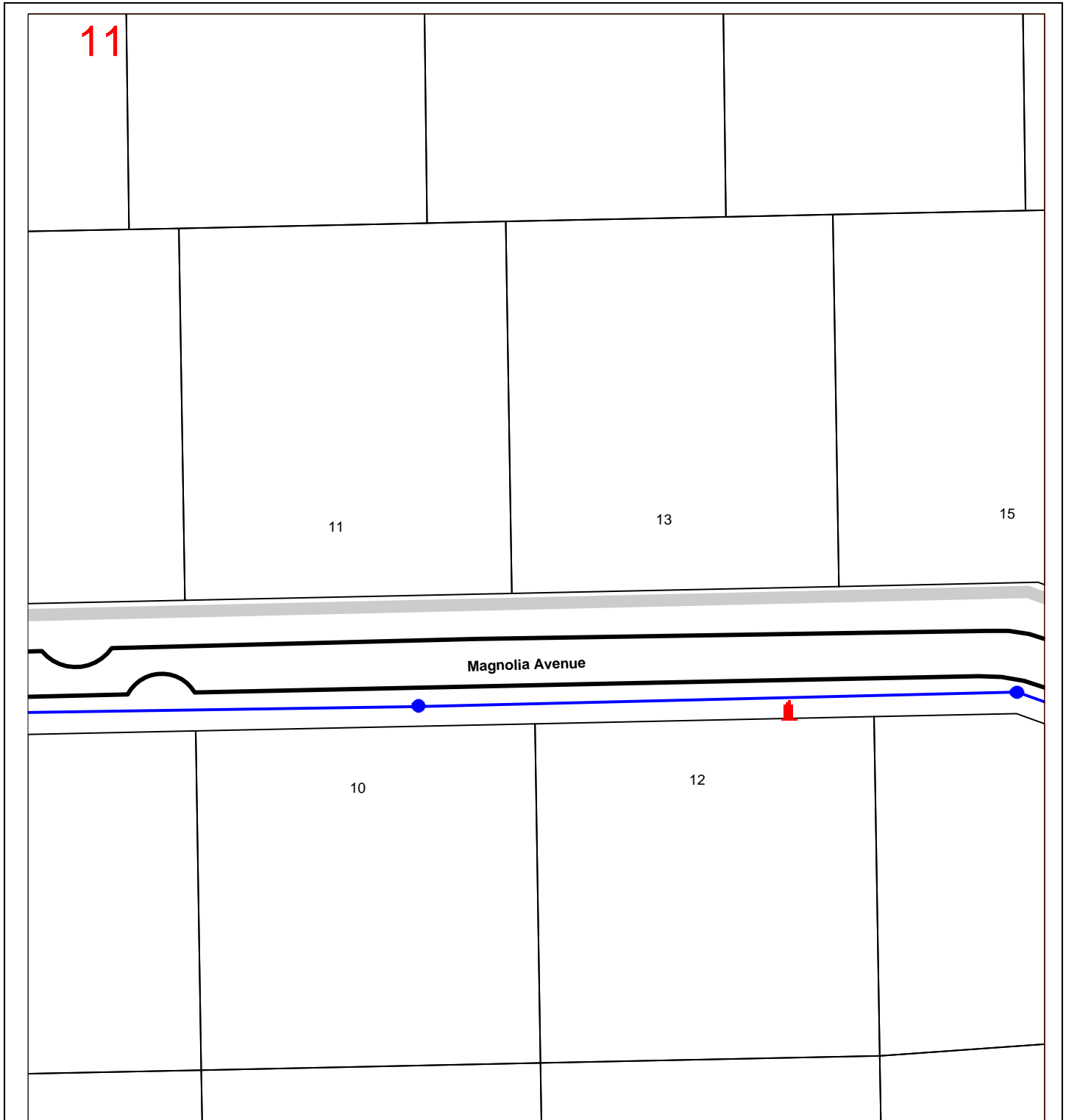
The location of Council owned assets shown on this map report is approximate only and the exact position of any of these assets should be confirmed on site.



Map 11

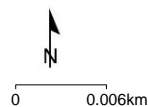
Sequence No: 207618812

7 Cassinia Road Kialla














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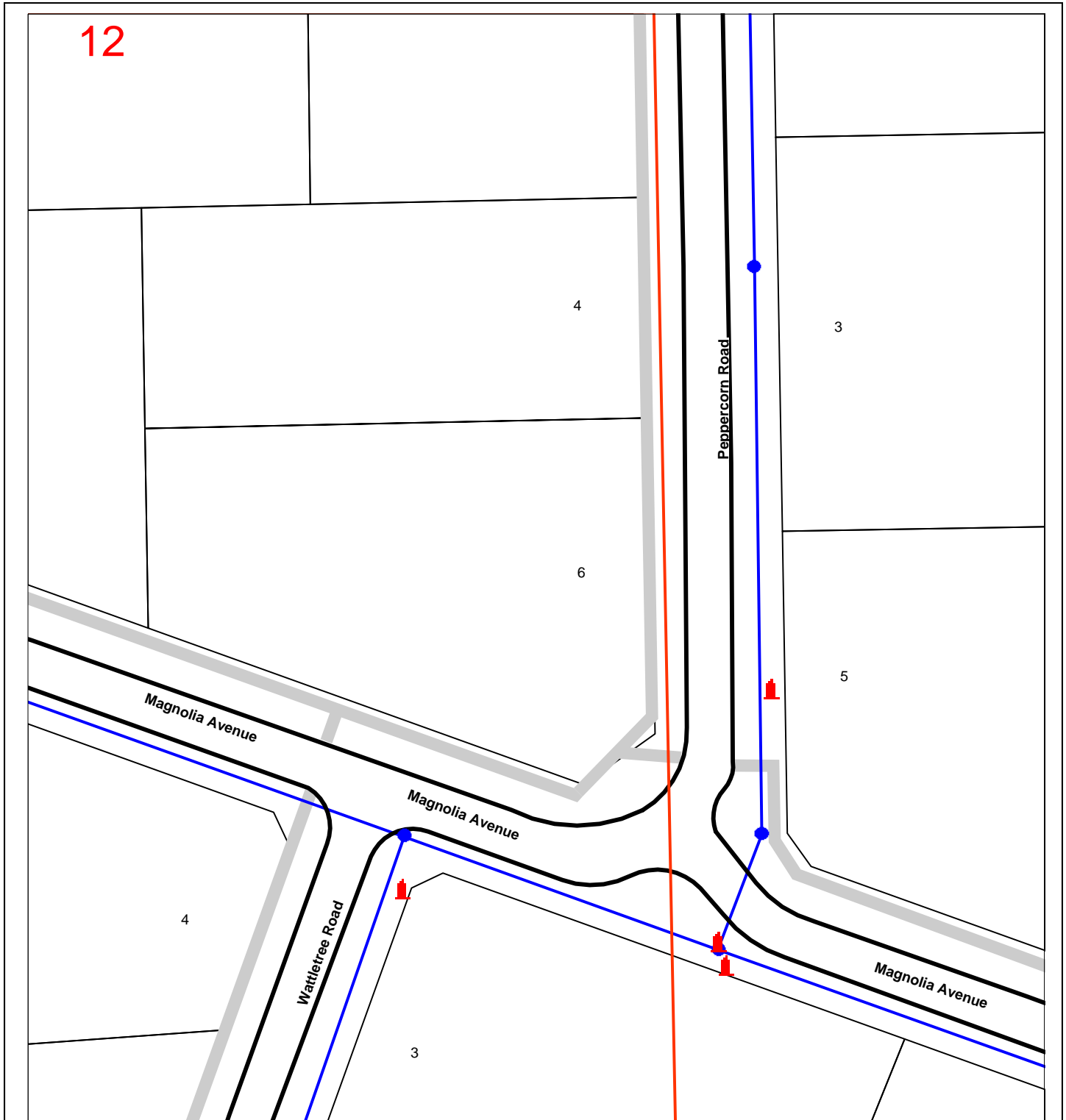
LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |












Map 12

Sequence No: 207618812

7 Cassinia Road Kialla

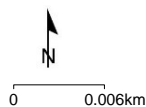


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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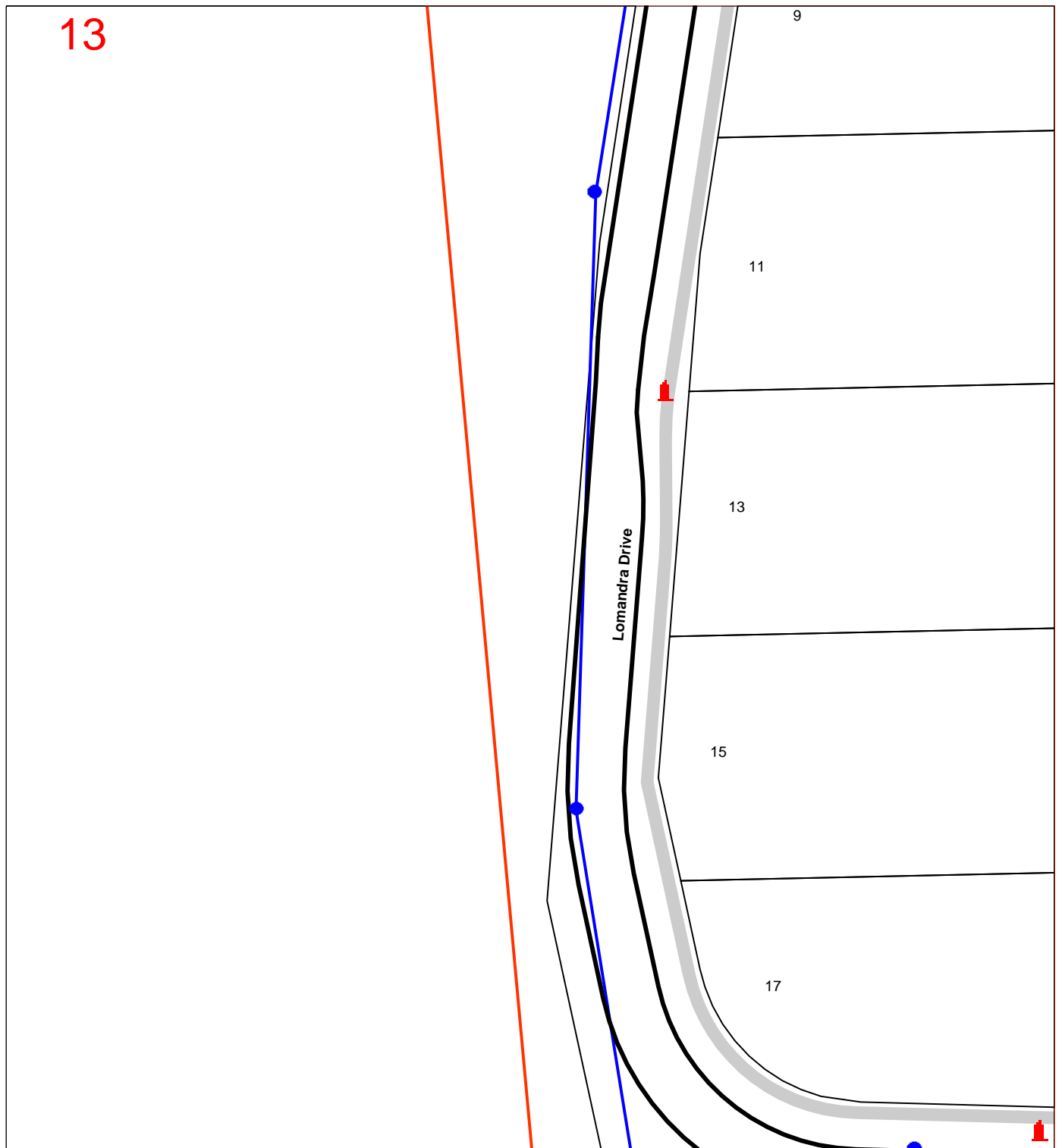


Map 13












Sequence No: 207618812

7 Cassinia Road Kialla

13

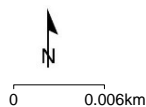


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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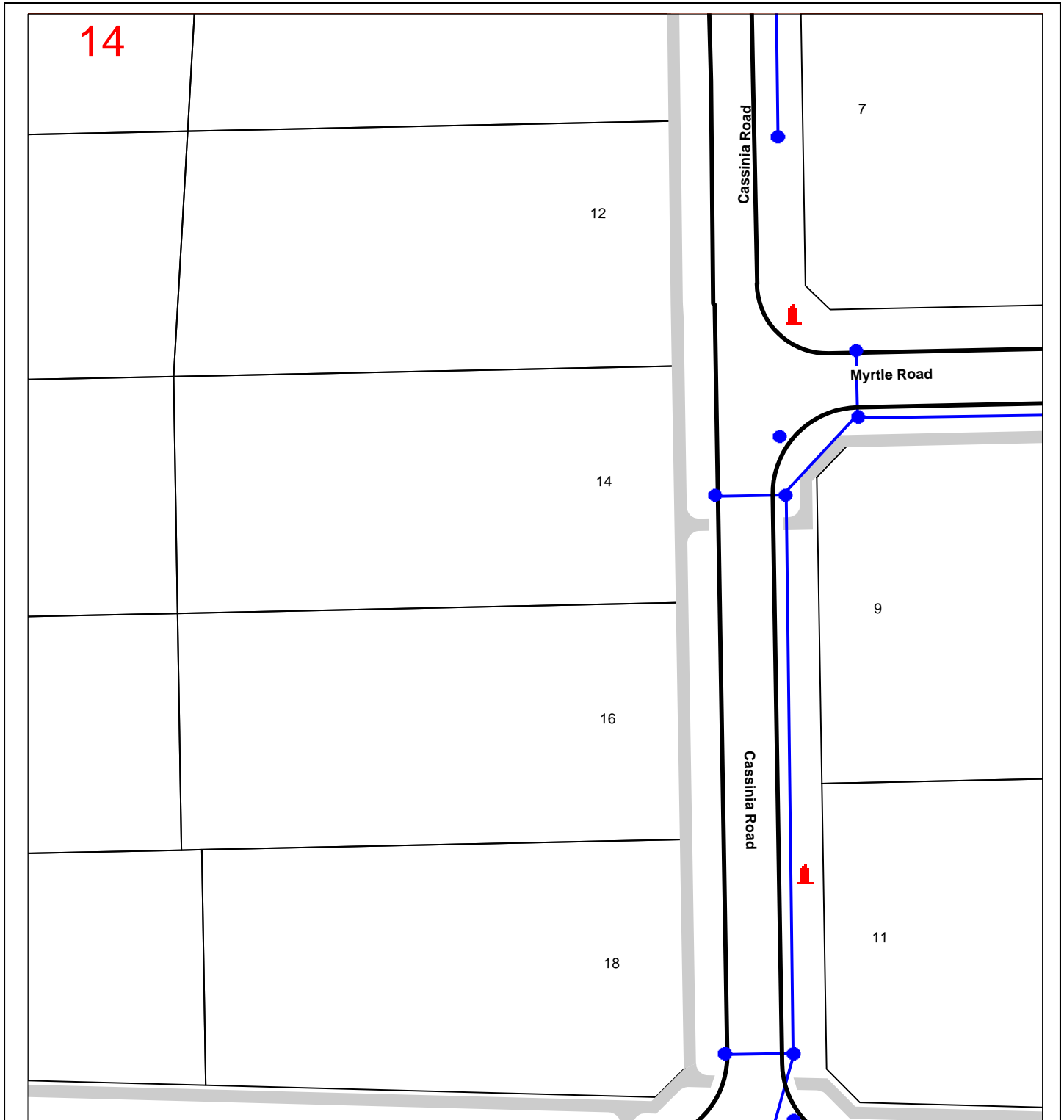
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Map 14

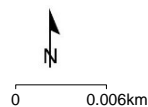
Sequence No: 207618812

7 Cassinia Road Kialla














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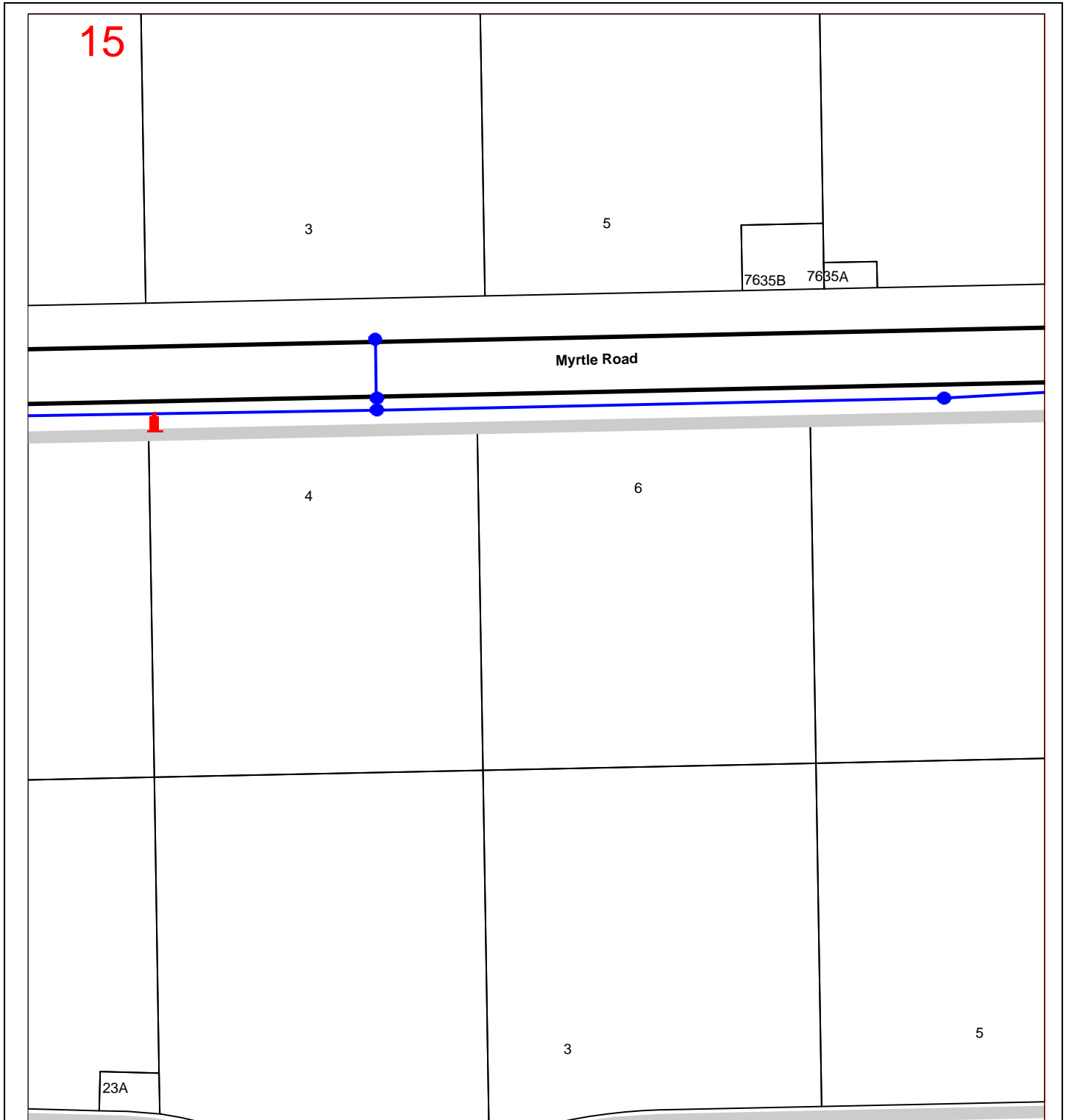
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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |












Map 15

Sequence No: 207618812

7 Cassinia Road Kialla

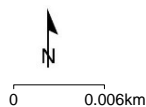


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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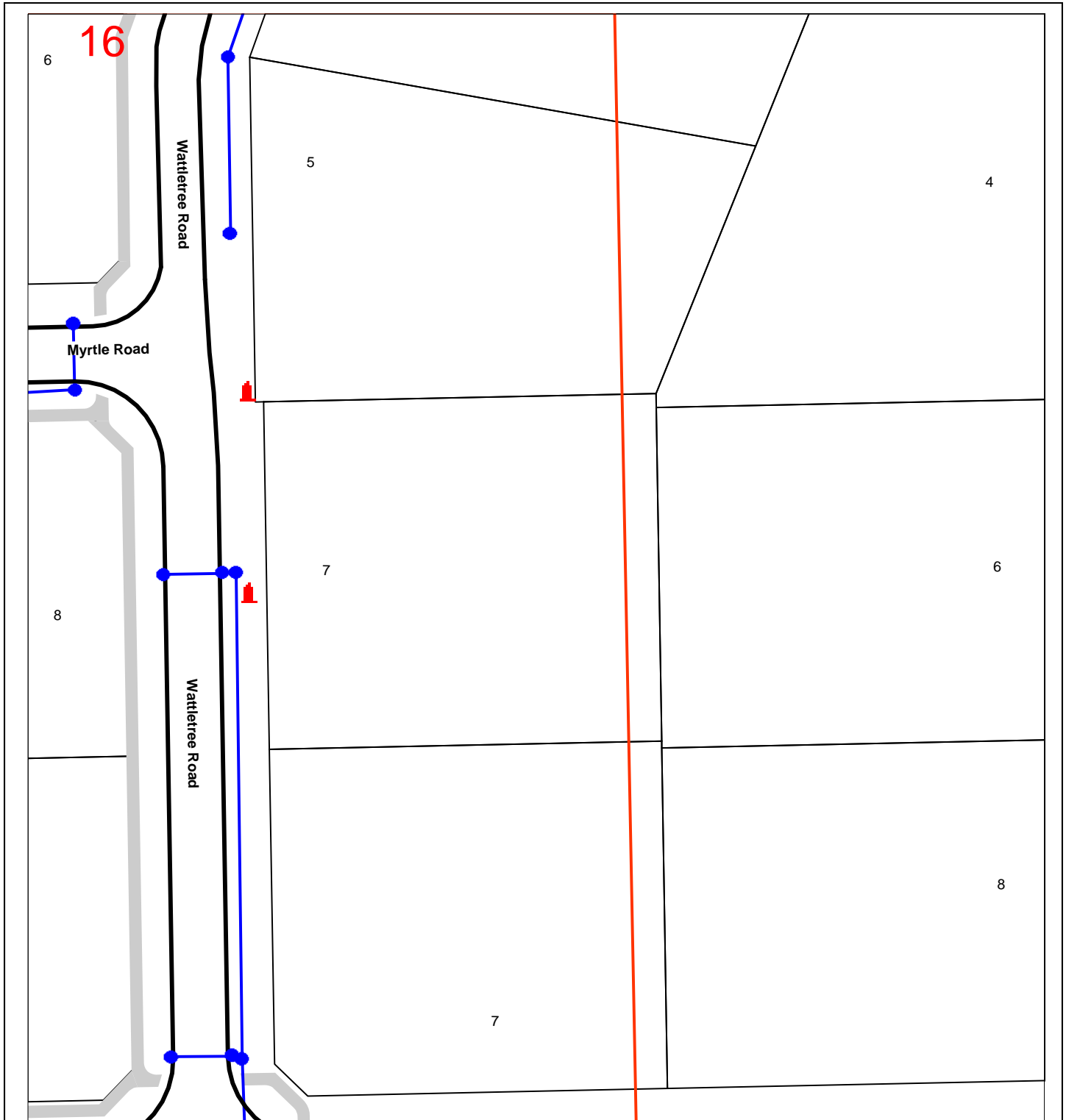
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Map 16

Sequence No: 207618812

7 Cassinia Road Kialla

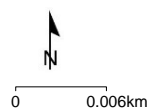


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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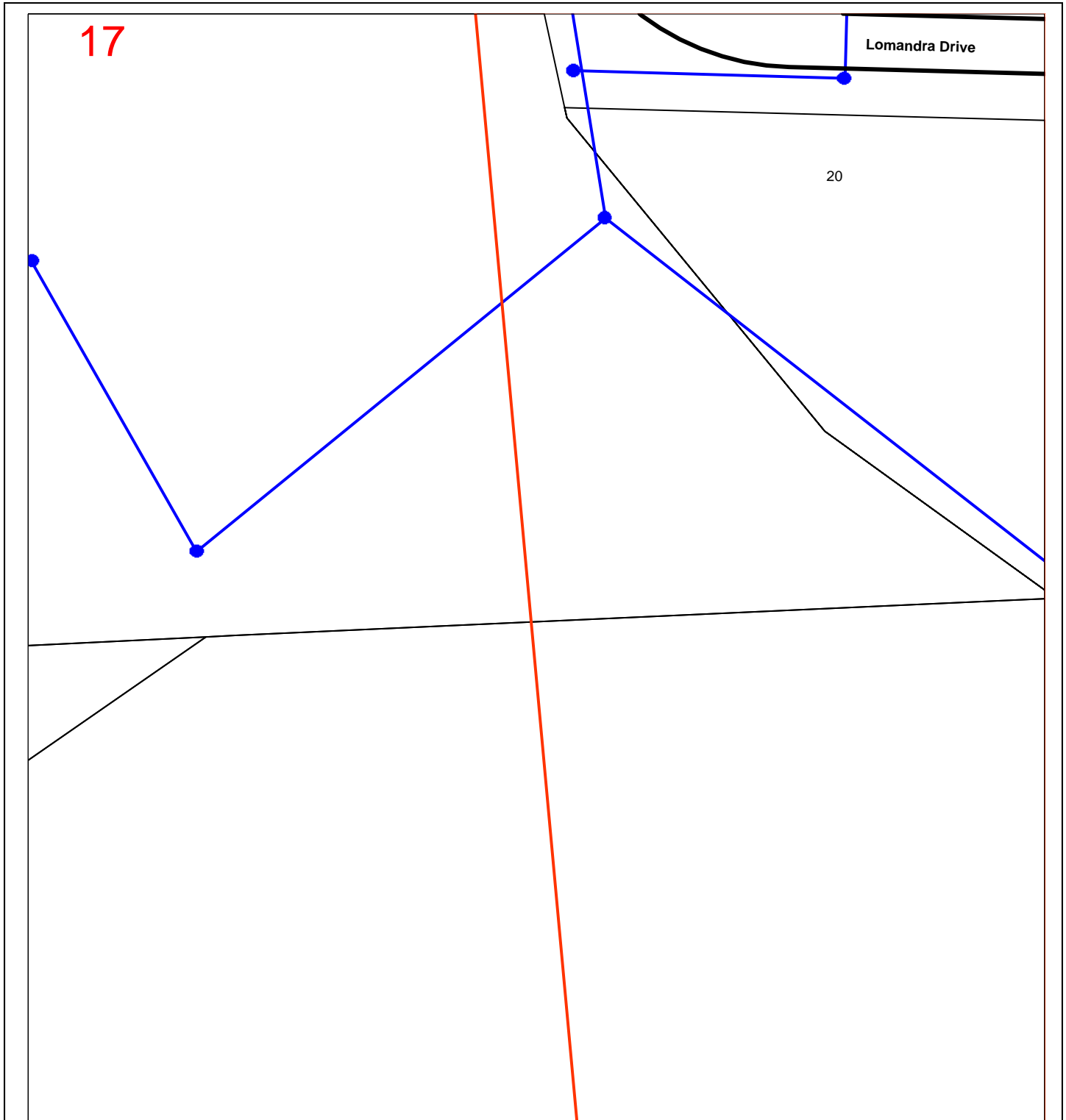
The location of Council owned assets shown on this map report is approximate only and the exact position of any of these assets should be confirmed on site.



Map 17

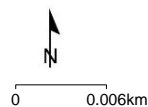
Sequence No: 207618812

7 Cassinia Road Kialla














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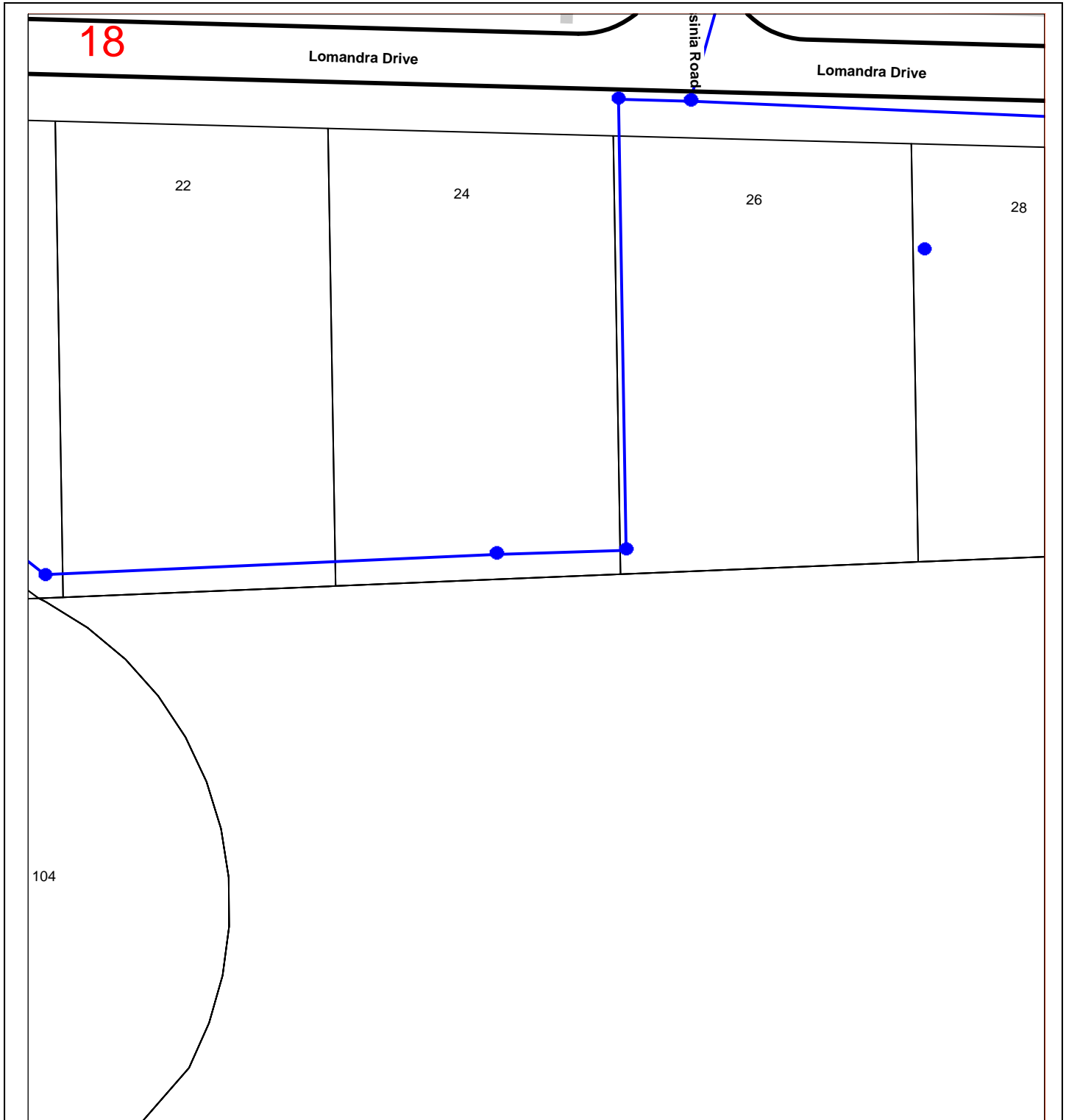
LEGEND:

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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 18

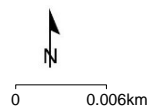
Sequence No: 207618812

7 Cassinia Road Kialla














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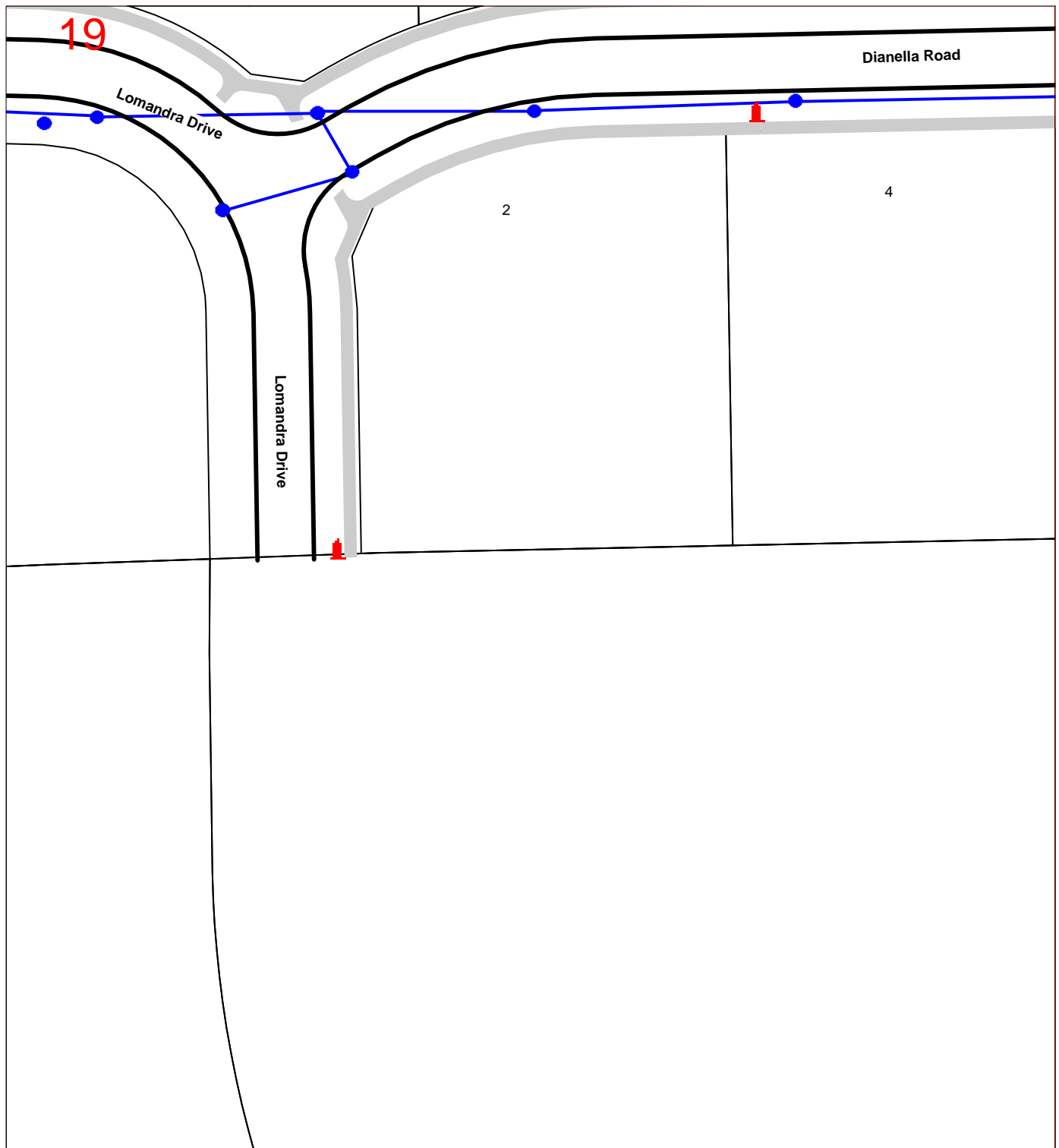
LEGEND:

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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 19

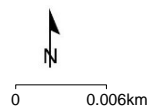
Sequence No: 207618812

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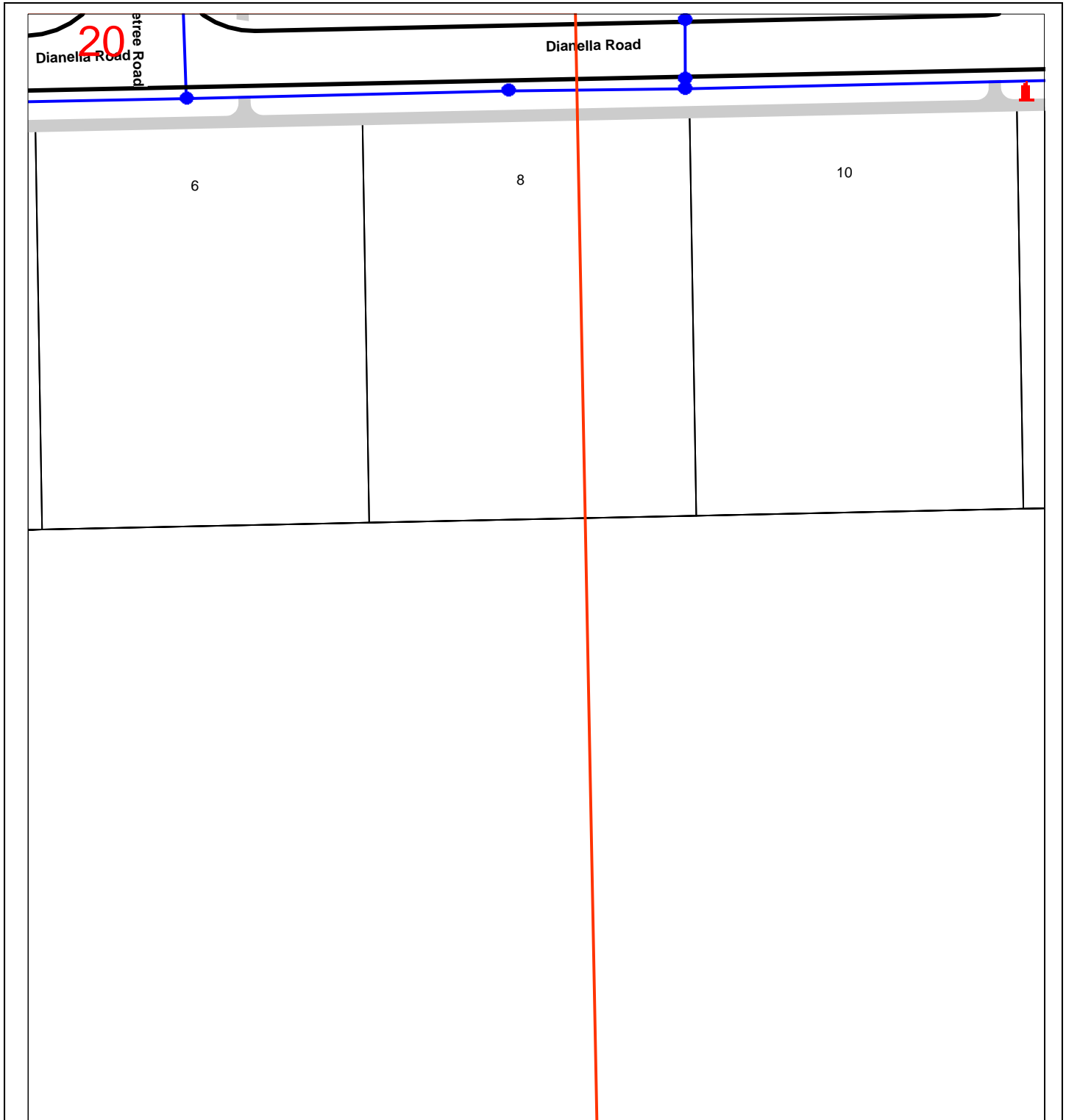
LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 20

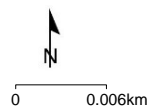
Sequence No: 207618812

7 Cassinia Road Kialla














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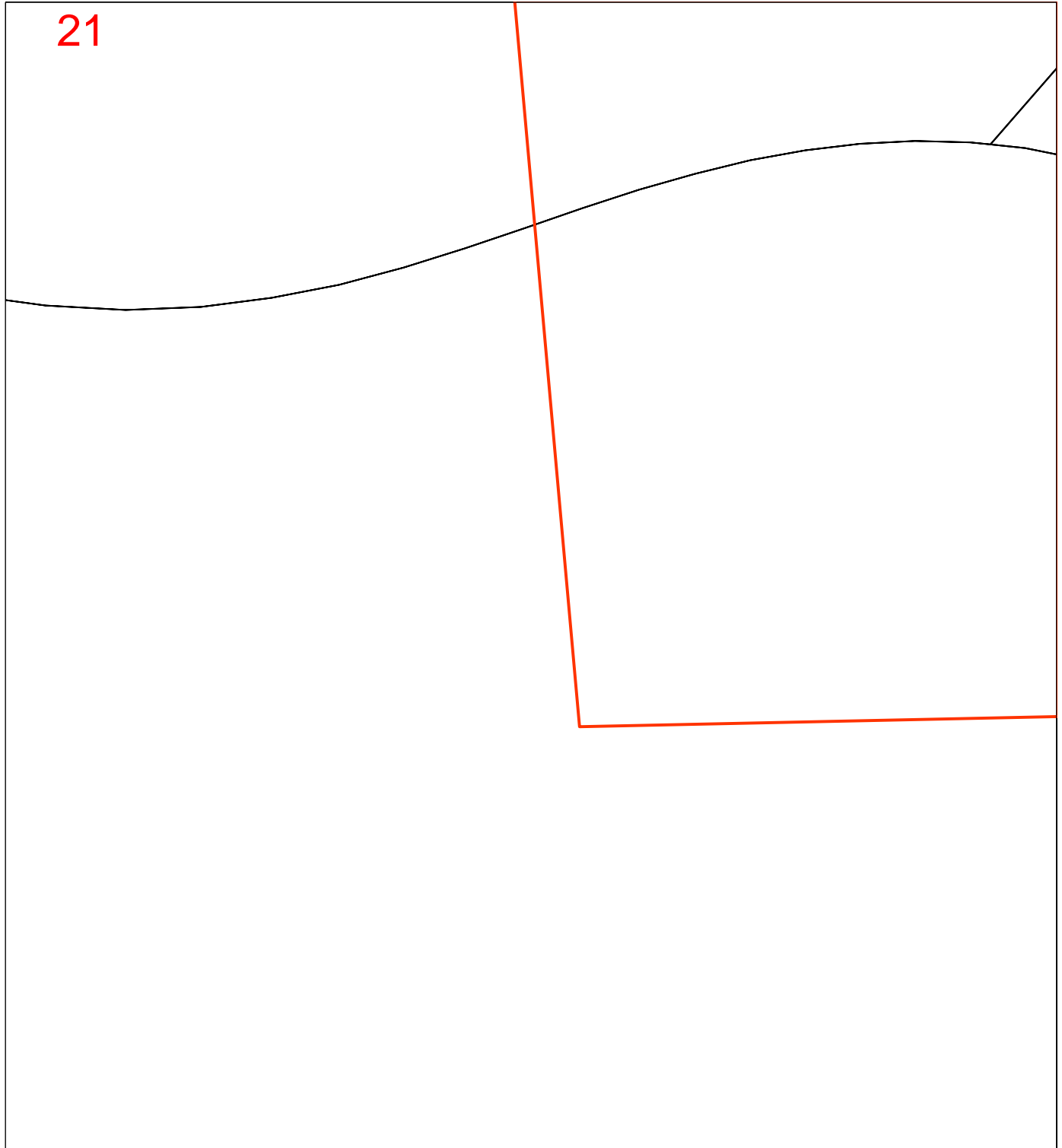
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LEGEND:

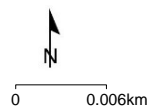
- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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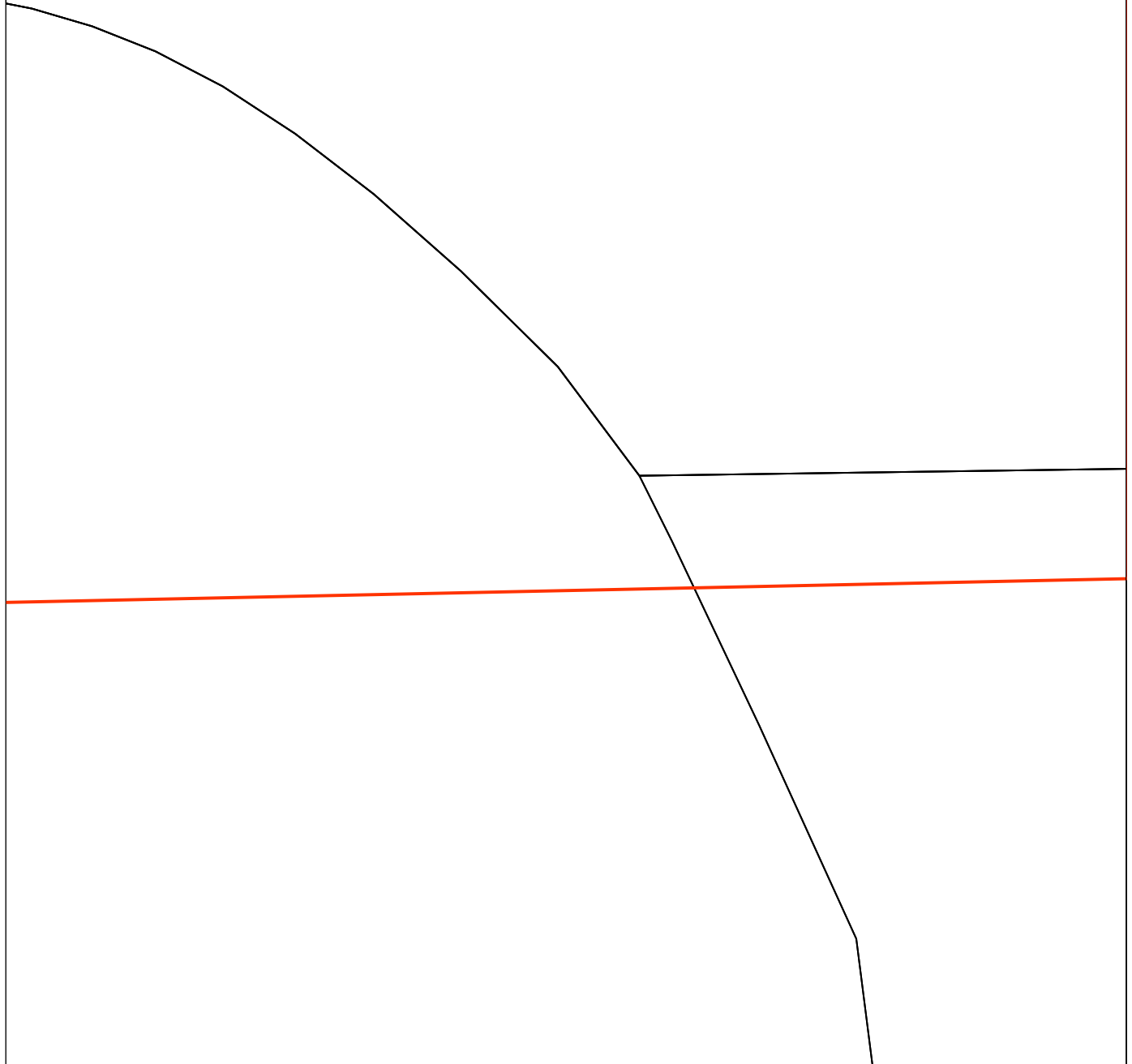
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LEGEND:

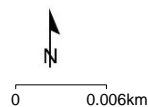
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|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

22














DISCLAIMER: Greater Shepparton City Council does not warrant that this map is definitive nor free of error and does not accept liability for any loss caused or arising from reliance upon information provided herein.

The location of Council owned assets shown on this map report is approximate only and the exact position of any of these assets should be confirmed on site.



LEGEND:

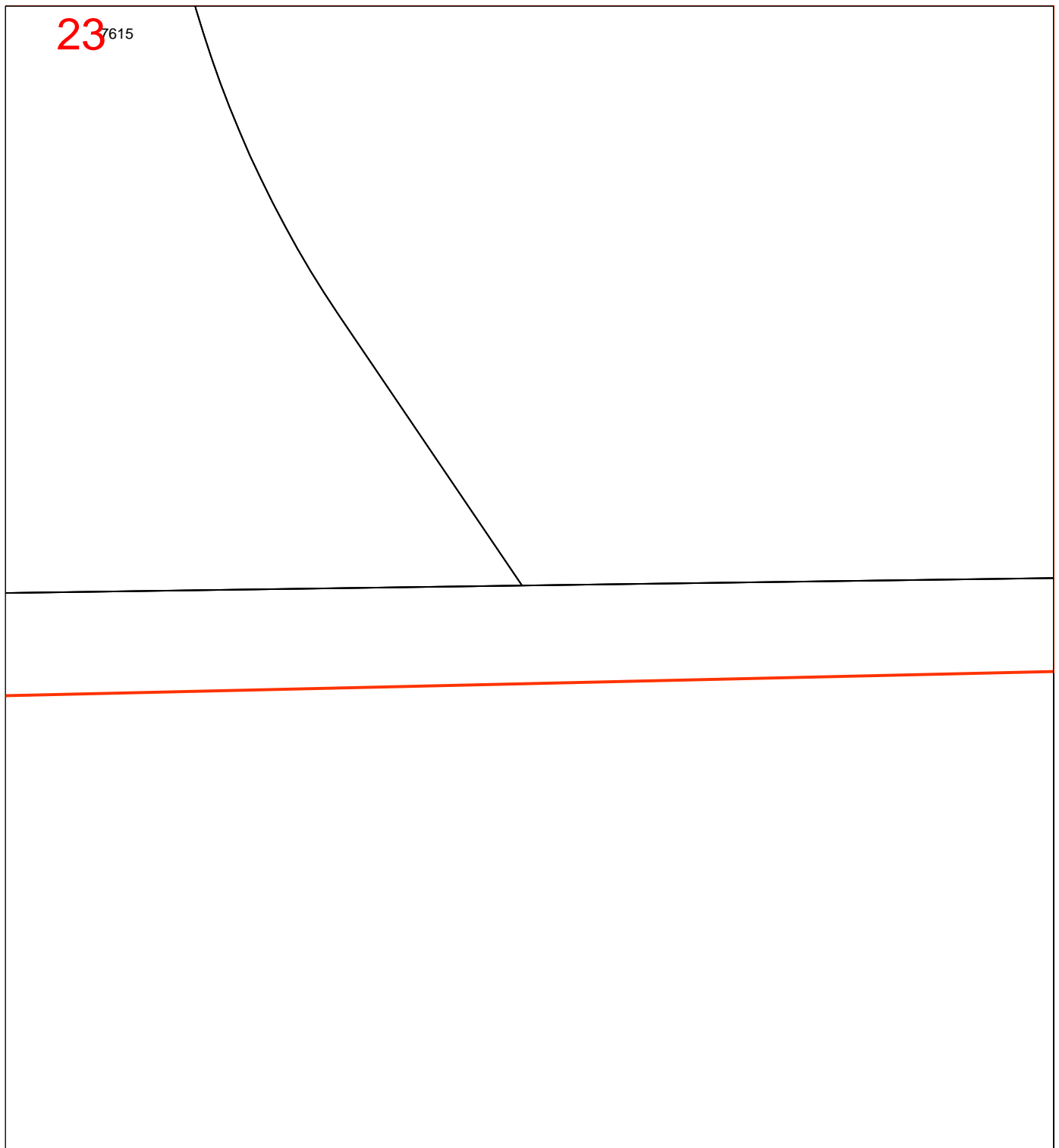
- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

Map 23












Sequence No: 207618812

7 Cassinia Road Kialla

23⁷⁶¹⁵

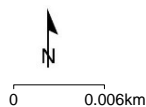


LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |

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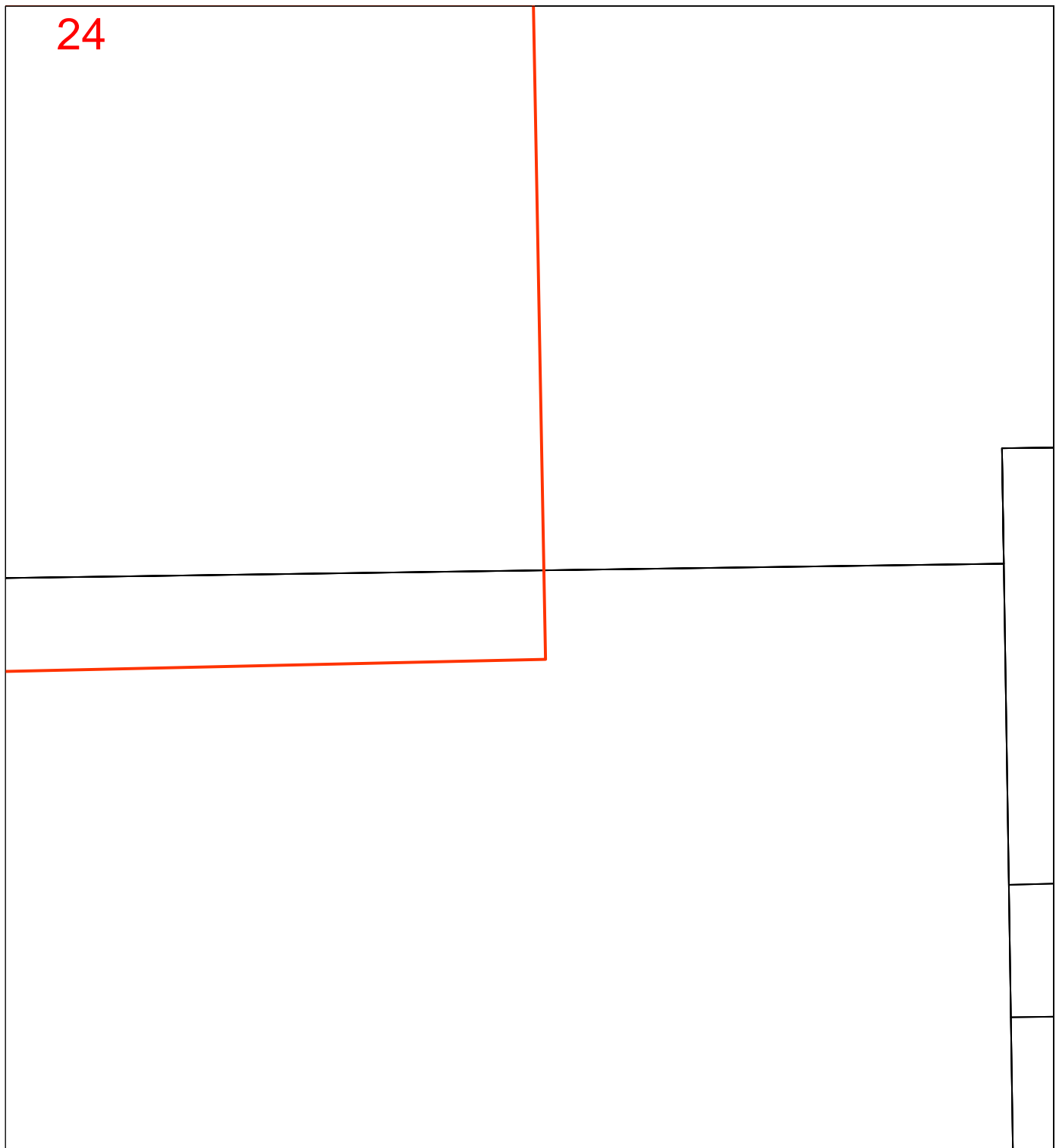


Map 24












Sequence No: 207618812

7 Cassinia Road Kialla

24

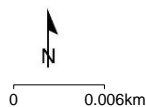


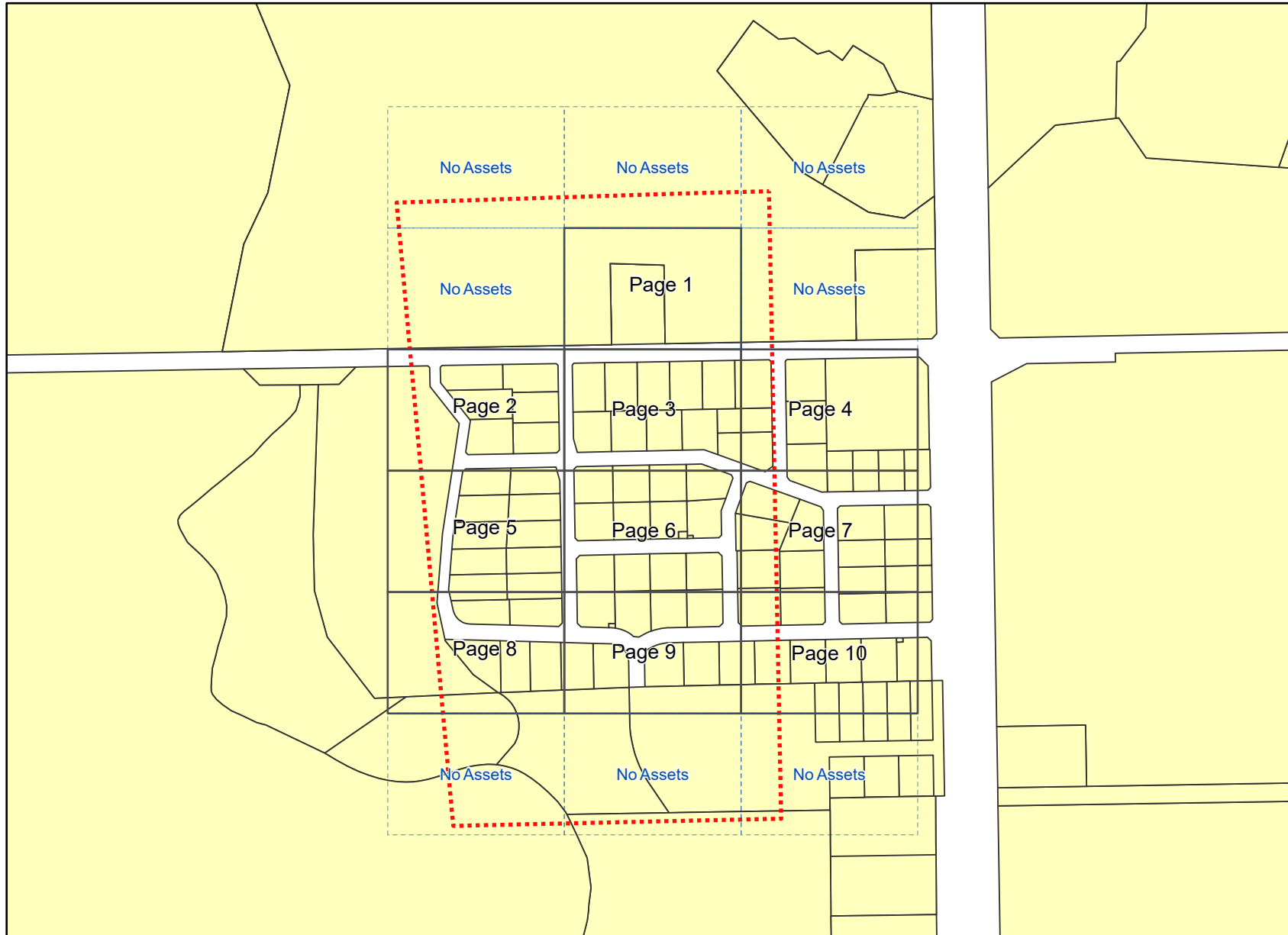
LEGEND:

- | | | | |
|---|-----------------------------|---|----------------|
|  | Affected DBYD Work Area |  | Raw Water Main |
|  | Fire Plugs |  | Kerb |
|  | Sewerage Pit |  | Footpath |
|  | Sewerage Pipe |  | Property |
|  | Stormwater Pit | | |
|  | Stormwater Pipe | | |
|  | Underground Electrical Line | | |




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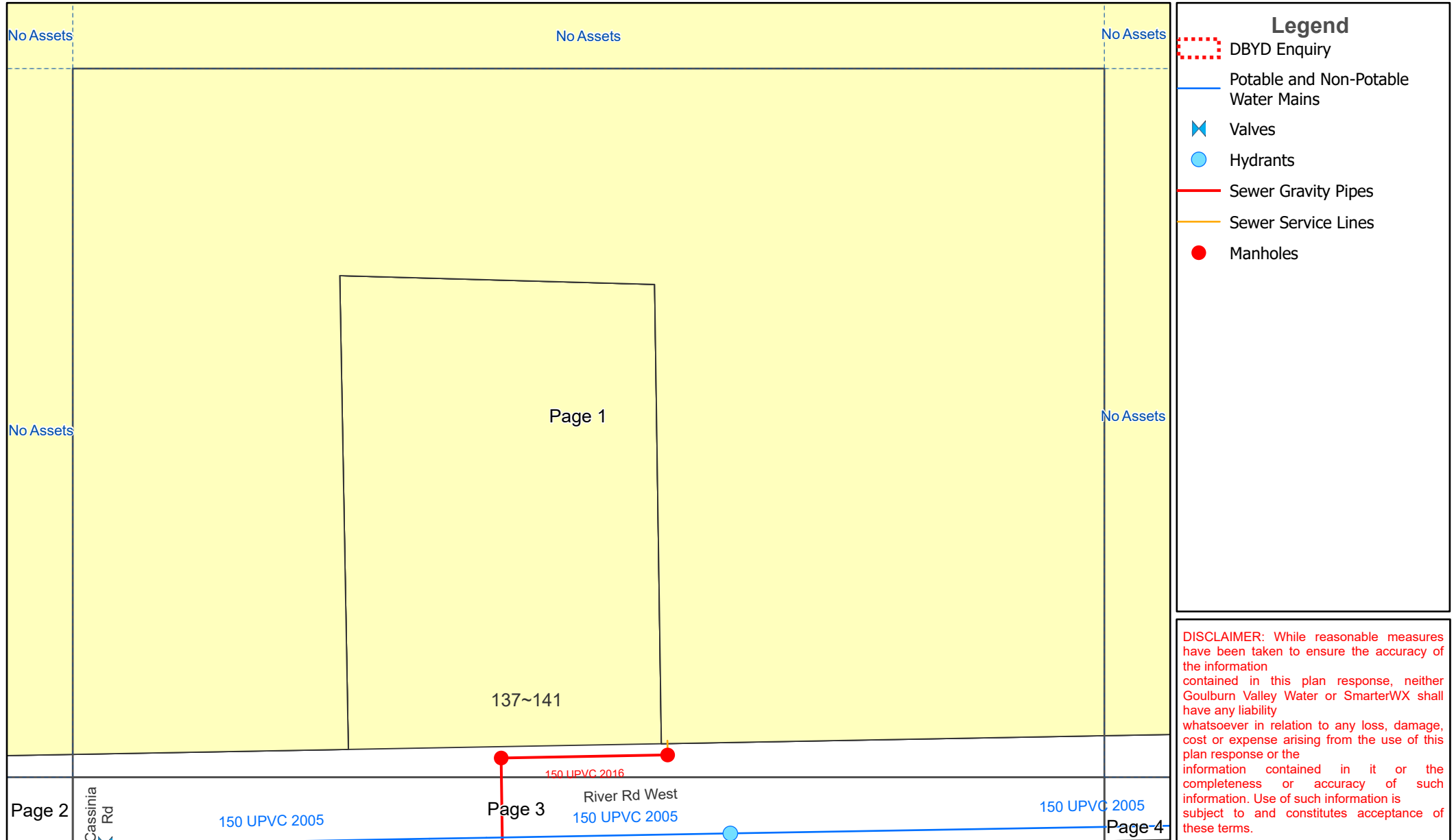











Legend

-  DBYD Enquiry
-  Detailed map page
-  No dig site assets

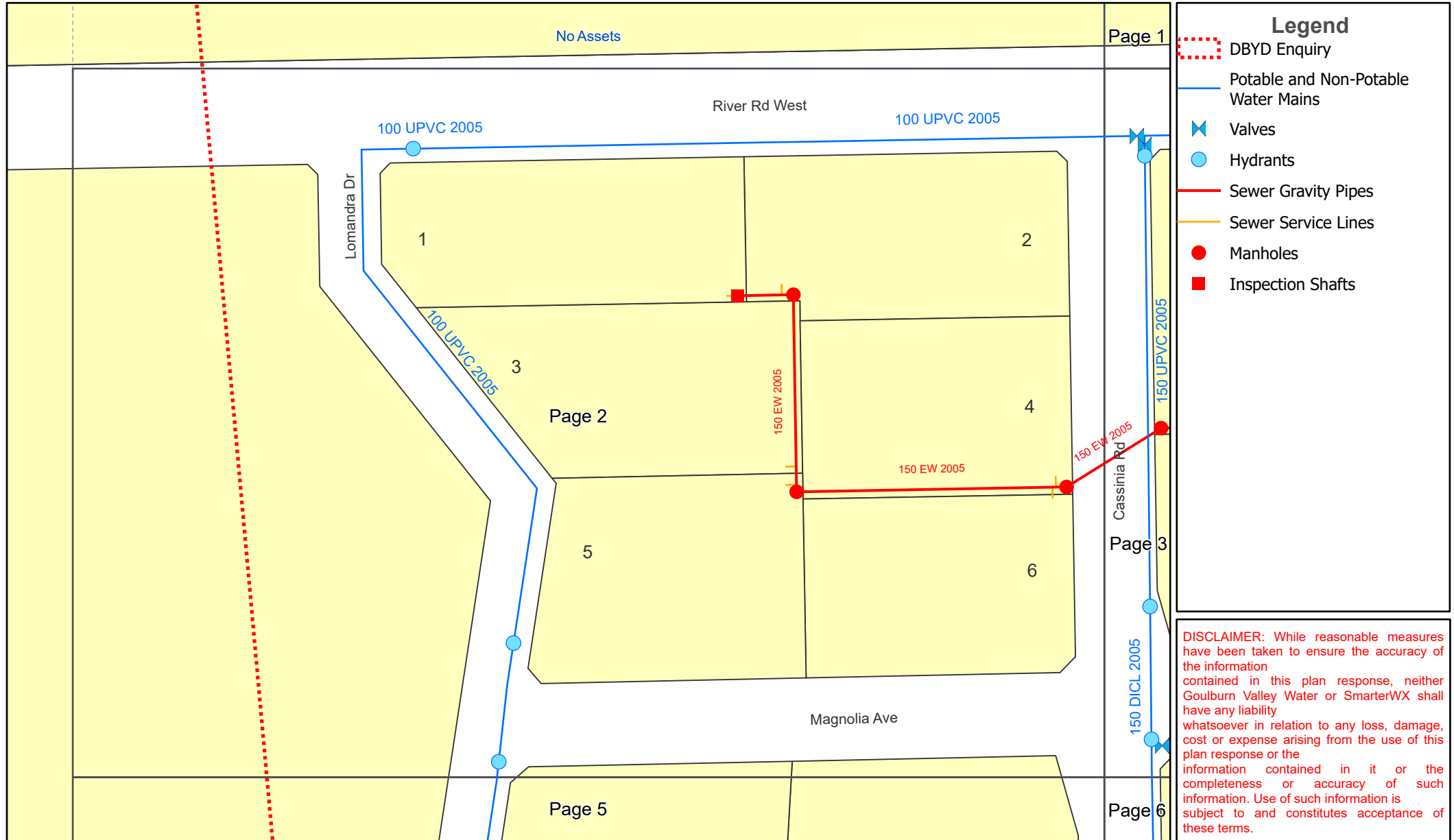
DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Goulburn Valley Water or SmarterWX shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

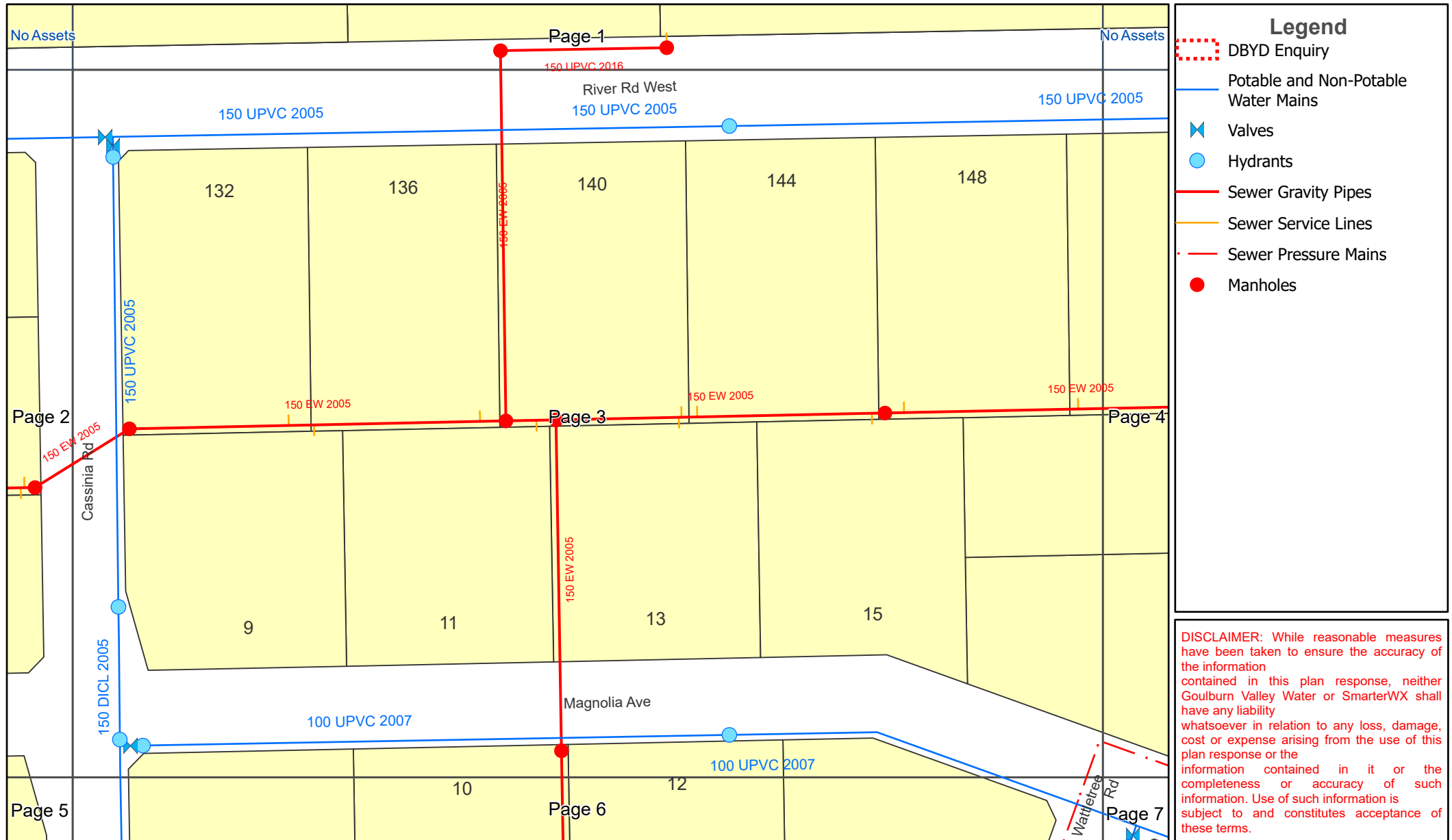


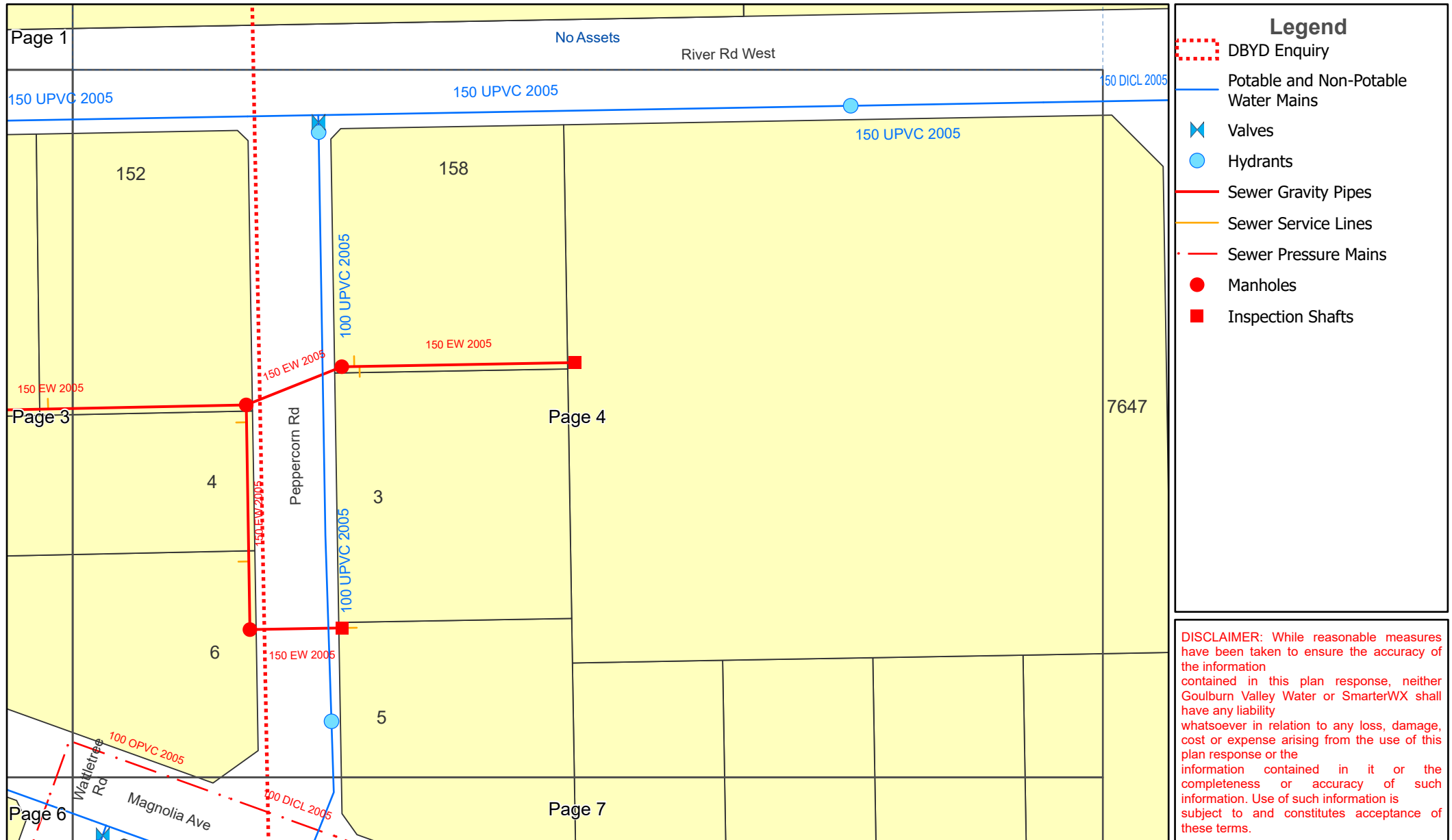
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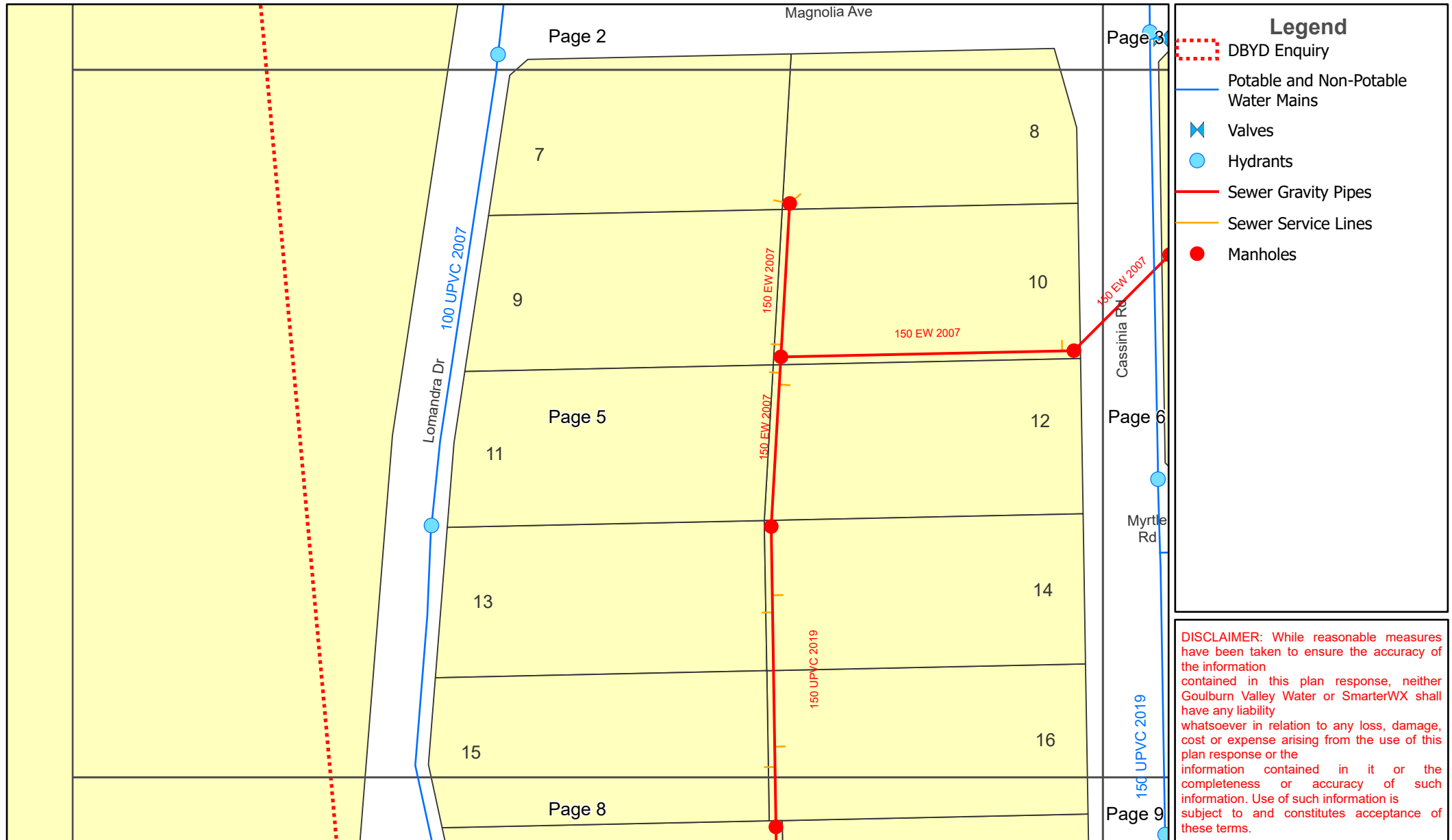
-  DBYD Enquiry
-  Potable and Non-Potable Water Mains
-  Valves
-  Hydrants
-  Sewer Gravity Pipes
-  Sewer Service Lines
-  Manholes

DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Goulburn Valley Water or SmarterWX shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.












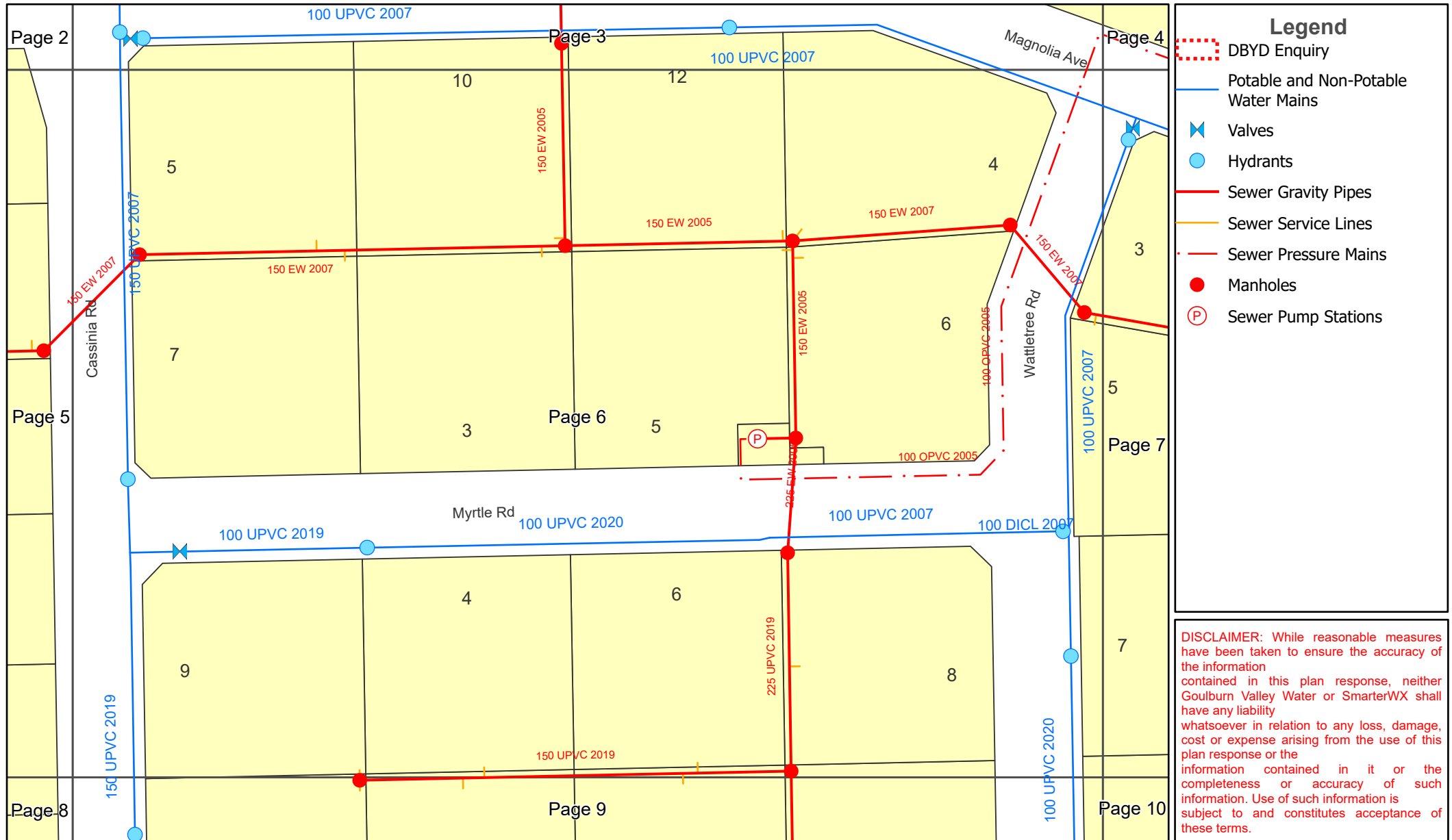


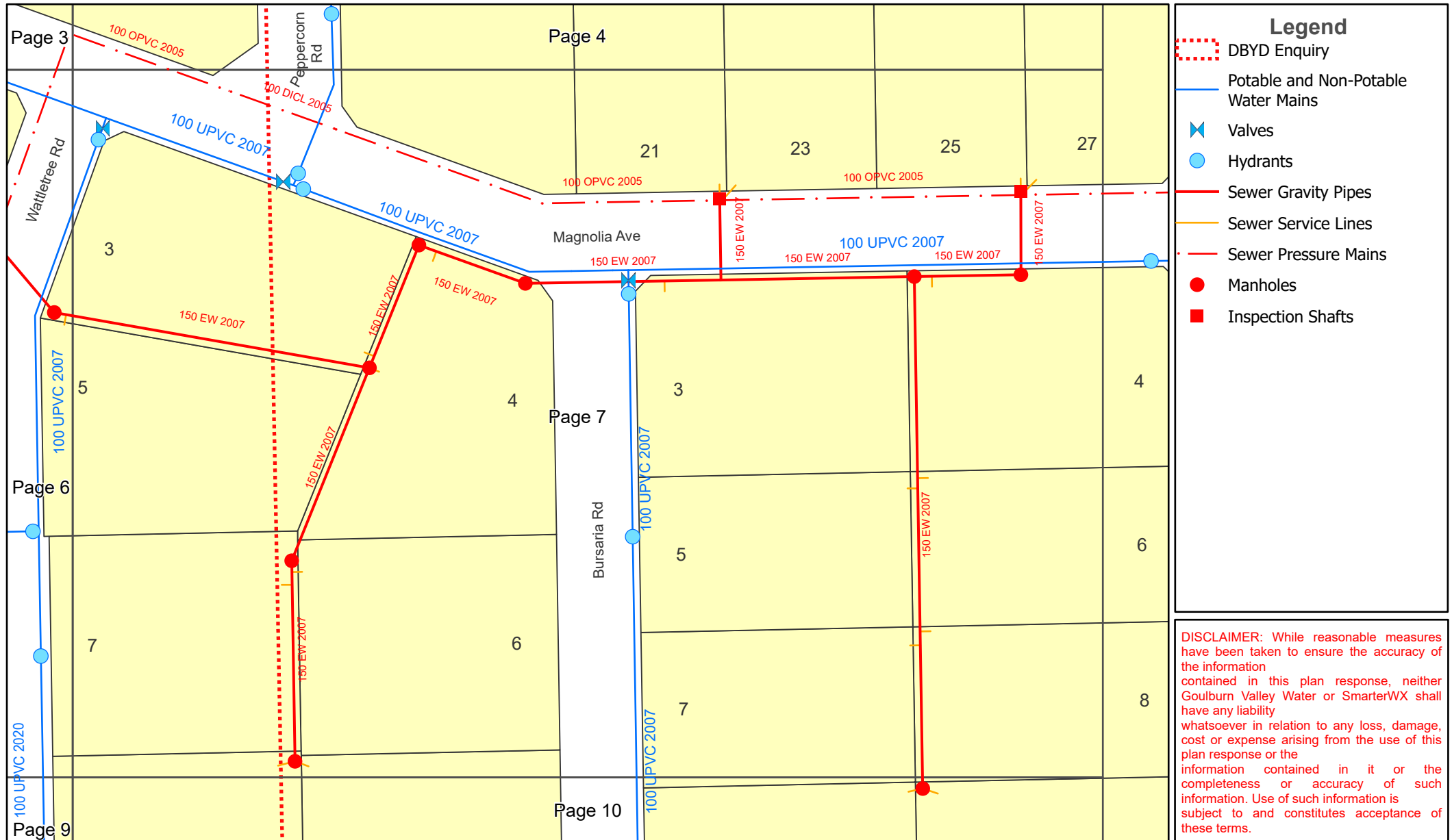


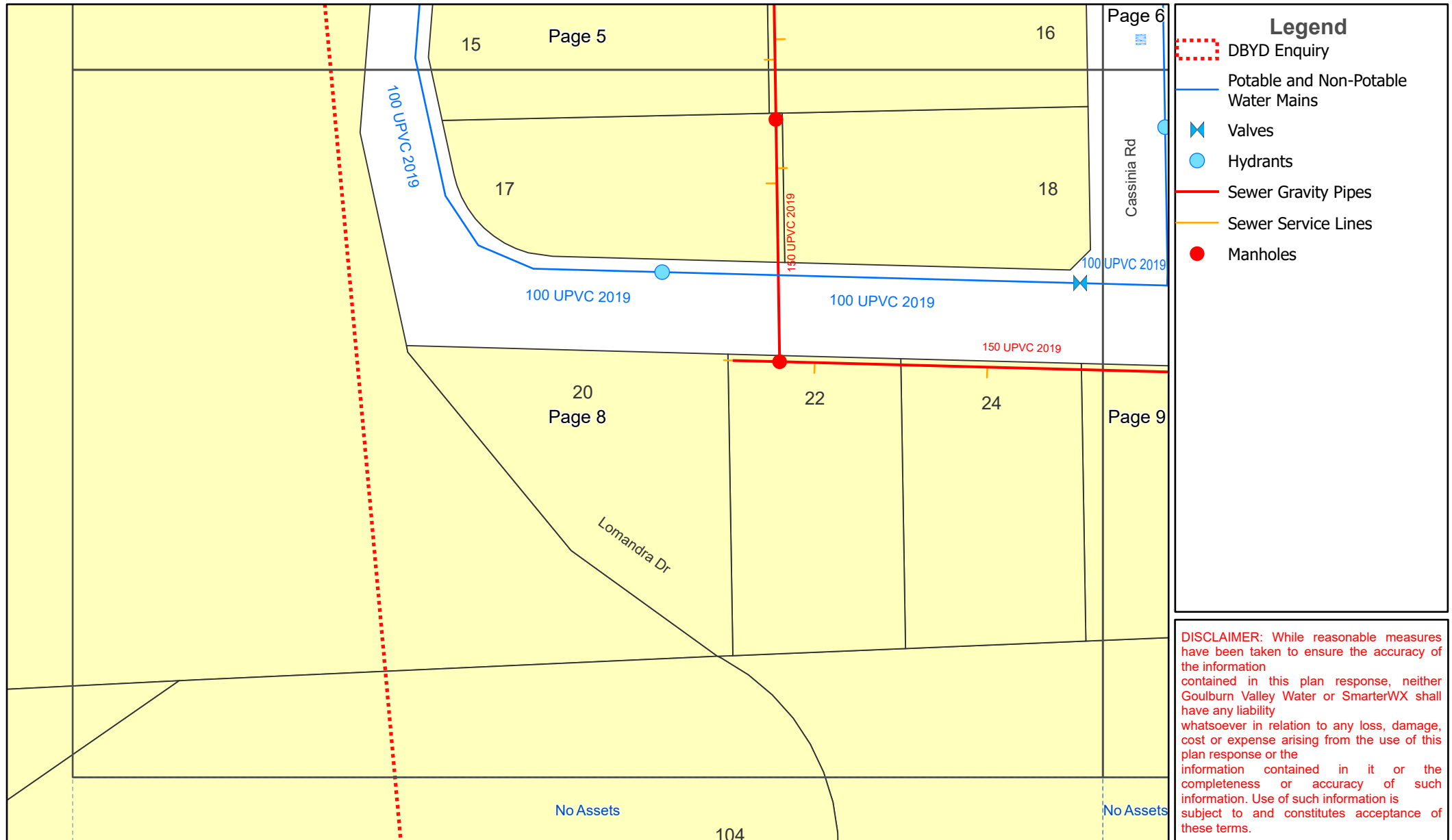
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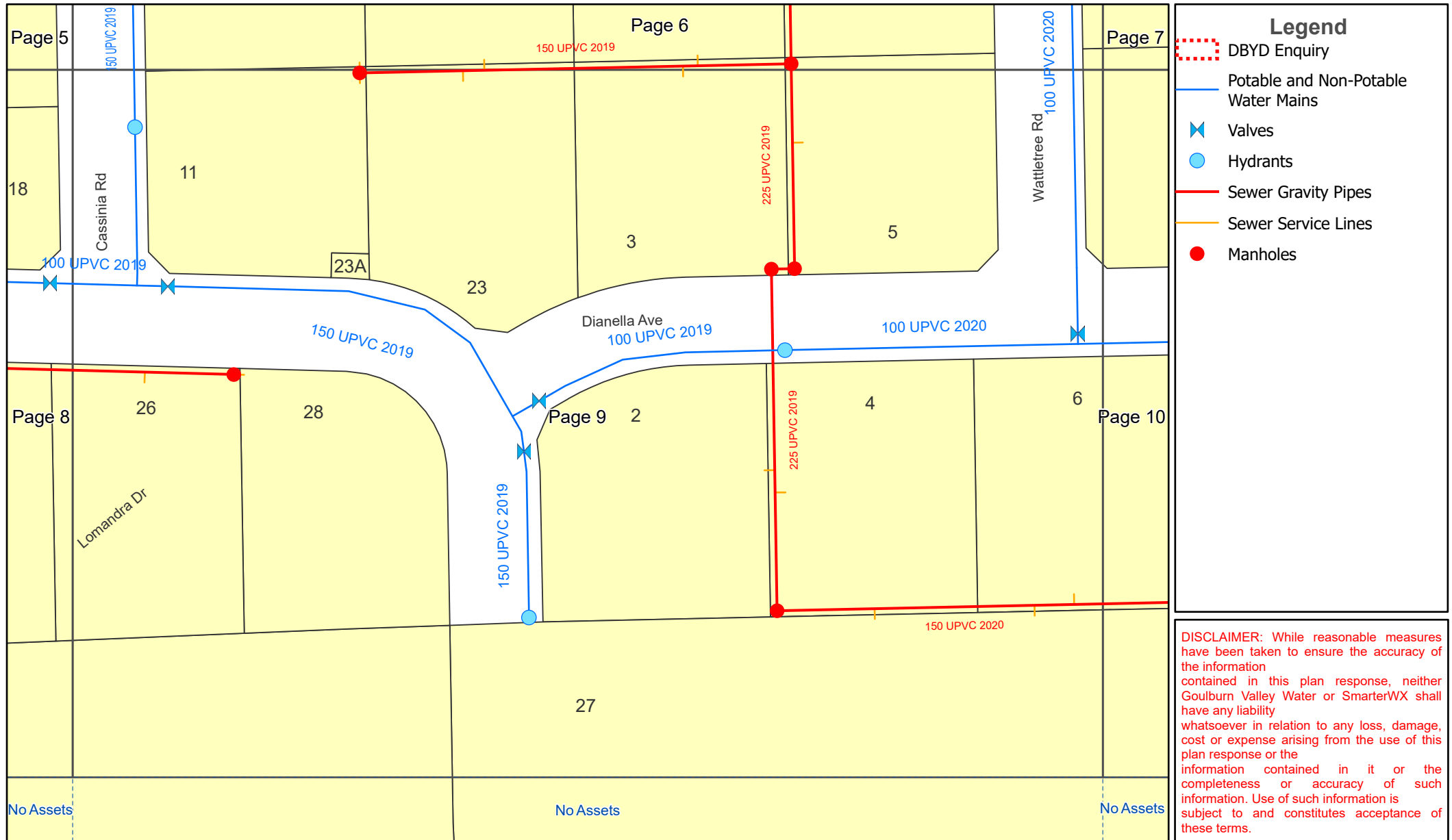
-  DBYD Enquiry
-  Potable and Non-Potable Water Mains
-  Valves
-  Hydrants
-  Sewer Gravity Pipes
-  Sewer Service Lines
-  Manholes

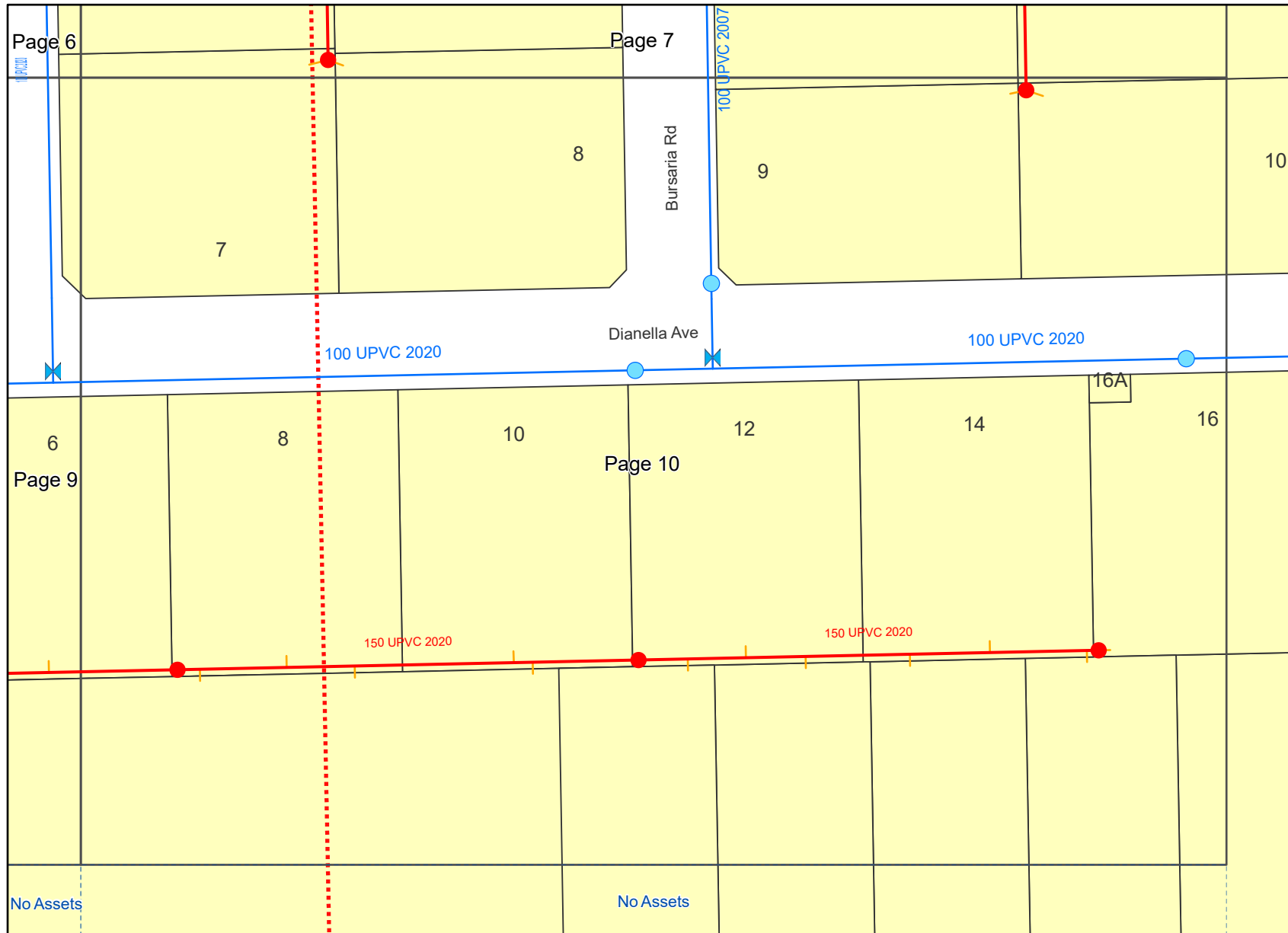
DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Goulburn Valley Water or SmarterWX shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.


















Legend

-  DBYD Enquiry
-  Potable and Non-Potable Water Mains
-  Valves
-  Hydrants
-  Sewer Gravity Pipes
-  Sewer Service Lines
-  Manholes

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Appendix G: ENDORSED PLANNING PERMIT

PLANNING PERMIT

PERMIT NO: 2021-195

PLANNING SCHEME: GREATER SHEPPARTON PLANNING SCHEME

RESPONSIBLE AUTHORITY: GREATER SHEPPARTON CITY COUNCIL

ADDRESS OF THE LAND: 7615 Goulburn Valley Highway KIALLA VIC 3631

THE PERMIT ALLOWS: A three lot subdivision in accordance with the endorsed Plans forming part of this Permit.

THE FOLLOWING CONDITIONS APPLY TO THIS PERMIT:

1. Layout Not Altered

The subdivision as shown on the endorsed plans must not be altered without the written consent of the responsible authority.

2. Development contributions

Before the issue of Statement of Compliance, the owner must pay the required development contribution in accordance with the requirements of the *Shepparton South Corridor Outline Plan*.

3. Site Assessment

Before a sensitive use (residential use, child care centre, pre-school centre, primary school, secondary school or children's playground) commences or before the construction or carrying out of buildings and works in association with a sensitive use commences:

- A preliminary risk screen assessment statement in accordance with the *Environment Protection Act 2017* must be issued stating that an environmental audit is not required for the use or the proposed use; or
- An environmental audit statement under Part 8.3 of the *Environment Protection Act 2017* must be issued stating that the land is suitable for the use or proposed use.

These requirements must be addressed to the satisfaction of the responsible authority before the subdivision commences.

4. Cessation of Use

Prior to the issue of the Statement of Compliance, the existing use of the land on the proposed lot 1 must cease. Written evidence of the cessation of the use must be

provided to the Satisfaction of the Responsible Authority.

5. Drainage Discharge Plan

Before the certification of the Plan of Subdivision, a drainage plan with computations prepared by a suitably qualified person or organisation, to the satisfaction of the responsible authority must be submitted to and approved by the responsible authority. When approved, the plans will be endorsed and will then form part of the permit. The plans must be drawn to scale with dimensions and submitted in an electronic format. The plans must be in accordance with council's Infrastructure Design Manual and include:

- a) how the land will be drained;
- b) how water will be drained/connected to the legal point of discharge;
- c) measures to enhance stormwater discharge quality from the site and protect downstream waterways;
- d) maximum discharge rate shall not be more than 37 lit/sec/ha with 12 litres (Tank/Basin) or 14 litres (Pipe) of storage for every square metre of Lot area, in accordance with Infrastructure Design Manual Clause 19 Table 13 (or as agreed in writing by the responsible authority);
- e) incorporation of water sensitive urban design in accordance with Clause 20 of the Infrastructure Design Manual or as otherwise approved in writing by the Responsible Authority; and
- f) provision of an electronic copy of the MUSIC model (or equivalent) demonstrating the achievement of the required reduction of pollutant removal; to the satisfaction of the Responsible Authority.

Before the Statement of Compliance is issued all drainage works required by the drainage plan must be completed to the satisfaction of the responsible authority.

6. Urban Vehicle Crossing and Access Requirements

Prior to the issue of the Statement of Compliance a vehicular crossing to service each lot shall be constructed in accordance with the endorsed plan(s) and Council's IDM standard drawing SD235, to the satisfaction of the responsible authority, and must:

- a) be constructed at right angles to the road, and any redundant crossing shall be removed and replaced with kerb and channel.
- b) be setback a minimum of 1.5 metres from any side-entry pit, power or telecommunications pole, manhole cover or marker, or 3 metres from any street tree;
- c) residential vehicular crossings shall not be less than 3 metres nor more than 6 metres in width and shall be constructed from concrete or other material as approved in writing by the Responsible Authority; and
- d) be at least 9 metres apart.

A permit must be obtained from the Responsible Authority for the work within Road Reserve prior to carrying out of any vehicle crossing work.

Prior to the issue of the Statement of Compliance, legal road access must be

constructed to each allotment to the satisfaction of the Responsible Authority.

7. Goulburn Valley Region Water Corporation Requirements

- (a) Payment of new customer contribution charges for water supply to the development, such amount being determined by the Corporation at the time of payment;
- (b) Provision of a reticulated water supply and associated construction works to each allotment within the development, at the developer's expense, in accordance with standards of construction adopted by and to the satisfaction of the Goulburn Valley Region Water Corporation;
- (c) Any existing water service that crosses any of the proposed allotment boundaries within the proposed development must be disconnected and re-located at the developer's expense, to be wholly within one allotment only, including notification of the proposed lot to be serviced by the existing water meter, to the satisfaction of the Goulburn Valley Region Water Corporation;
- (d) Payment of new customer contributions charges for sewerage services to the development, such amount being determined by the Corporation at the time of payment;
- (e) Provision of reticulated sewerage and associated construction works to each allotment within the development, at the developer's expense, in accordance with standards of construction adopted by and to the satisfaction of the Goulburn Valley Region Water Corporation;
- (f) Disconnection of existing house Septic Tank, and directly connect to a sewer main of the Goulburn Valley Region Water Corporation. To be completed following Preliminary Acceptance Notice of newly constructed sewer main. A drainage plan of this connection will be required;
- (g) Provision of easements in favour of the Goulburn Valley Region Water Corporation over all existing and proposed sewer mains located within private property;
- (h) The operator under this permit shall be obliged to enter into an Agreement with Goulburn Valley Region Water Corporation relating to the design and construction of any sewerage or water works required. The form of such Agreement shall be to the satisfaction of Goulburn Valley Water. A copy of the format of the Agreement will be provided on request;
- (i) The plan of subdivision lodged for certification is to be referred to the Goulburn Valley Region Water Corporation pursuant to Section 8(1) of the Subdivision Act, 1988.

8. Powercor Requirements

- a) This letter shall be supplied to the applicant in its entirety.
- b) The plan of subdivision submitted for certification under the Subdivision Act 1988 shall be referred to the Distributor in accordance with Section 8 of that Act.

- c) The applicant shall provide an electricity supply to all lots in the subdivision in accordance with the Distributor's requirements and standards.
 - **Notes:** Extension, augmentation or rearrangement of the Distributor's electrical assets may be required to make such supplies available, with the cost of such works generally borne by the applicant.
- d) The applicant shall ensure that existing and proposed buildings and electrical installations on the subject land are compliant with the Victorian Service and Installation Rules (VSIR).
 - **Notes:** Where electrical works are required to achieve VSIR compliance, a registered electrical contractor must be engaged to undertake such works.

9. Country Fire Authority Requirements

Hydrants

Prior to the issue of a Statement of Compliance under the Subdivision Act 1988 the following requirements must be met to the satisfaction of the CFA:

- a) Above or below ground operable hydrants must be provided. The maximum distance between these hydrants and the rear of all building envelopes (or in the absence of building envelopes, the rear of the lots) must be 120 metres and the hydrants must be no more than 200 metres apart. These distances must be measured around lot boundaries.
- b) The hydrants must be identified with marker posts and road reflectors as applicable to the satisfaction of the Country Fire Authority.

Note –CFA's requirements for identification of hydrants are specified in 'Identification of Street Hydrants for Firefighting Purposes' available under publications on the CFA web site (www.cfa.vic.gov.au)

10. Telecommunications Referral Condition

The owner of the land must enter into an agreement with:

- A telecommunications network or service provider for the provision of telecommunication services to each lot shown on the endorsed plan in accordance with the provider's requirements and relevant legislation at the time; and
- A suitably qualified person for the provision of fibre ready telecommunication facilities to each lot shown on the endorsed plan in accordance with any industry specifications or any standards set by the Australian Communications and Media Authority, unless the applicant can demonstrate that the land is in an area where the National Broadband Network will not be provided by optical fibre.

Before the issue of a Statement of Compliance for any stage of the subdivision under the Subdivision Act 1988, the owner of the land must provide written confirmation from:

- A telecommunications network or service provider that all lots are connected to or

are ready for connection to telecommunications services in accordance with the provider's requirements and relevant legislation at the time; and

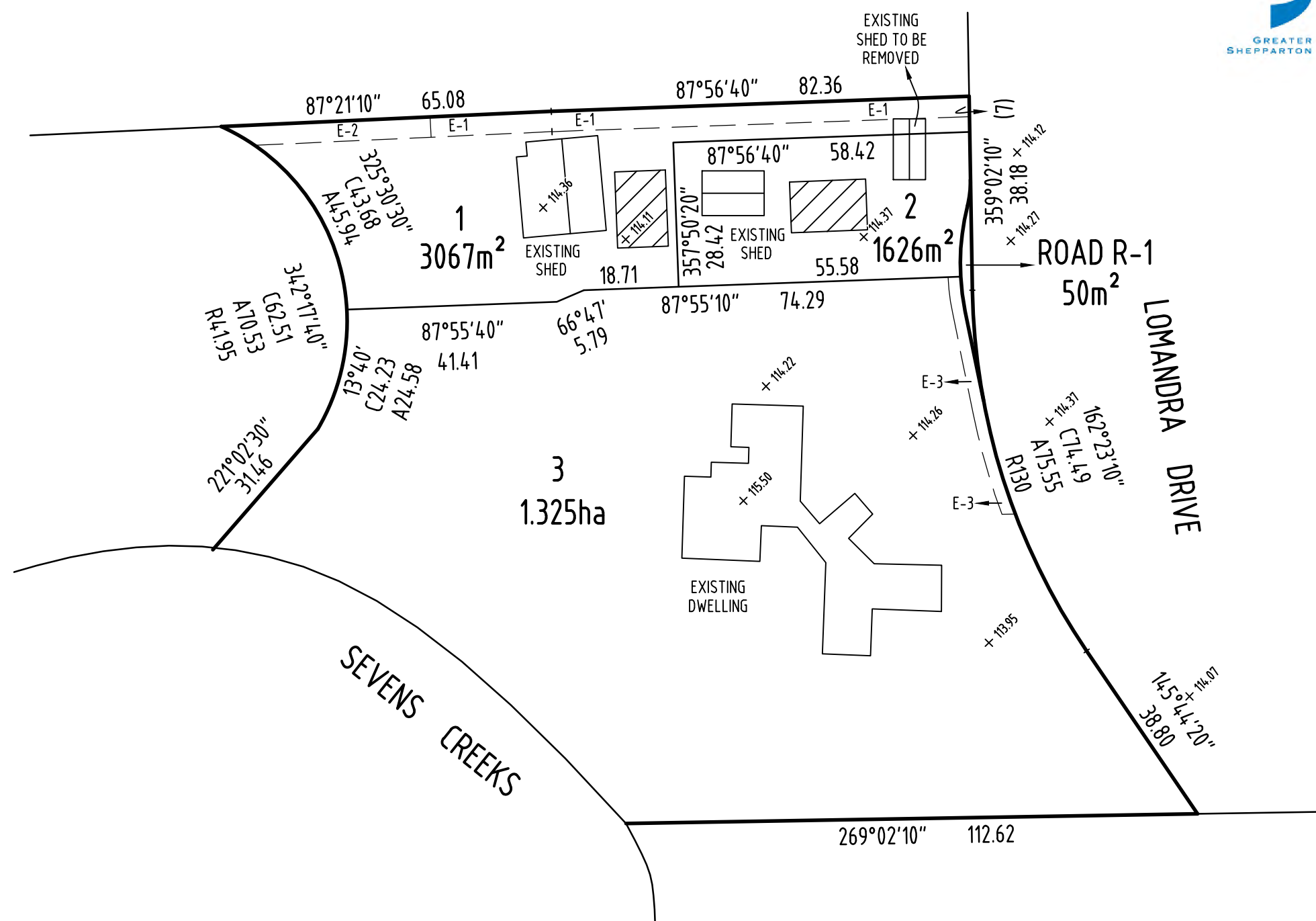
- A suitably qualified person that fibre ready telecommunication facilities have been provided in accordance with any industry specifications or any standards set by the Australian Communications and Media Authority, unless the applicant can demonstrate that the land is in an area where the National Broadband Network will not be provided by optical fibre.

11. Time for Starting and Completing a Subdivision

This permit will expire if one of the following circumstances applies:

- a) the subdivision is not started (certification) within **two (2)** years of the date of this permit;
- b) the subdivision is not completed (statement of compliance) within **five (5)** years of the date of certification.

MGA94 (ZONE 55)



PROPOSED BUILDING ENVELOPE 15 x 10



PO Box 2120
98 Nixon Street
Shepparton Vic 3630
Tel (03) 5821 7171
Fax (03) 5821 2725

SURVEYORS REF:

5228

VERSION:
03

Sheet 1 of 1 Sheets

SCALE

1 : 1000

SHEET
SIZE

A3

CLIENT: T & S VILLANI

ADDRESS OF LAND:

7615 GOULBURN VALLEY HIGHWAY
KIALLA 3631

MEASUREMENTS AND AREAS ARE APPROXIMATE
ONLY AND ARE SUBJECT TO SURVEY.

LENGTHS ARE IN METRES.

.PTS

DRAFTED BY: AA

5228propV03.dwg

PROPOSED PLAN OF SUBDIVISION

COUNTY OF MOIRA
PARISH OF KIALLA
CROWN ALLOTMENT 61B (PART)
SECTION -
TITLE: C/T V.12180 F.962
TITLE: