



ADECONSULTINGGROUP
SOLUTIONS THROUGH INNOVATION

Phase I Preliminary Site Investigation

**Lot 21 and Part Lot 19, DP1000643 Glendower Street Gilead 2560
NSW**

Prepared for: HT Building Pty Ltd

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Abbreviations

ADE	ADE Consulting Group Pty Ltd
AEC	Area of Environmental Concern
ACM	Asbestos Containing Material
AHD	Australian Height Datum
ASS	Acid Sulfate Soil
AST	Above Ground Storage Tank
AoC	Area of Concern
BGL	Below Ground Level
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CLM	Contaminated Land Management
CoC	Chain of custody
CoPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DBYD	Dial Before You Dig
DCP	Development Control Plan
DSI	Detailed Site Investigation
EPA	Environment Protection Authority
FC	Fibre Cement
HILs	Health Investigation Levels
HSLs	Health Screening Levels
LEP	Local Environment Plan
NATA	National Association of Testing Authorities
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
NSW	New South Wales
OEH	Office of Environment and Heritage
OCPs	Organochlorine Pesticides
OPPs	Organophosphorus Pesticides
PAHs	Polycyclic Aromatic Hydrocarbons
PIO	Preliminary Investigation Order
POEO	Protection of the Environment Operations
PSI	Preliminary Site Investigation
PCBs	Polychlorinated Biphenyls
SAC	Site Assessment Criteria
SH&EWMS	Safety, Health & Environmental Work Method Statement
SLS	Sydney Laboratory Services
TRH	Total Recoverable Hydrocarbons
UST	Underground Storage Tank

Executive Summary

ADE was engaged by HT Building Pty Ltd to undertake a Phase I Preliminary Site Investigation (PSI) to assess the potential for contamination within the property located at Glendower Street, Gilead New South Wales (NSW) (the site). The site is situated within the Local Government Area (LGA) of the City of Campbelltown. The site comprises Lot 21 and part of Lot 19 DP1000643 and has an area of approximately 59,992 m². Lot 21 is currently zoned as RU2 – Rural Landscape and Lot 19 is zoned as RE1- Public Recreation.

This report has been prepared to accompany a Site Compatibility Certificate (SCC), to modify the land use to permit the use of seniors housing on the site. It is noted that the proposed works within Lot 19 (public recreation) do not form part of the SCC application. ADE understands that the proposed development involves the construction of multi-storey independent living units and an ancillary health building. The concept plan is provided in *Appendix VII – Supporting Documents*.

The purpose of the PSI was to assess the potential for contamination at the site, this was undertaken through:

- Review of the site's history
- Desktop study of the site's condition and its surrounding environment
- Site walkover and visual inspection
- Preparation of this PSI report outlining the results of the investigation

Following the site walkover and the desktop study, ADE considers that there is a low to moderate risk of contamination that has occurred due to past activities undertaken at the site. Areas of concern identified include:

- Former shed and market garden footprint in south-eastern portion of site
- Former market garden / crop field footprints in the central portion of Lot 21
- Stockpile footprint located in the south-eastern area of Lot 21
- Demolition Waste footprint located in south-eastern area of Lot 21

Based on the areas of concern identified, ADE considers that there are several potential contamination issues which include the following:

- Due to the nature of residential construction from the 1940's to 2000's and the prevalent use of asbestos and lead materials during this time period, potential asbestos containing materials (ACM) and or lead and or containing products may have or can impact the surficial and / or upper soil profile during the demolition of previous structures on site
- Potential Heavy Metals, Organochlorine Pesticides (OCPs) and Organophosphate pesticides (OCPs) contamination of the surficial and / or upper soil profile as a result of small-scale use of pesticides and herbicides on-site and within the surrounding area
- Potential for contamination via imported soil materials into the premises. The potential for a range of contaminants being present include, but not limited to Heavy Metals – Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver and Zinc, TRHs, PAHs, BTEX, OCPs, OPPs, and Asbestos

Based on the results of the desktop study and site-walkover investigation, ADE considers there is a low to moderate risk that contamination has occurred due to past activities undertaken at the site. As such, a targeted soil sampling program should be implemented as part of a Phase II Detailed Site investigation (DSI) to address the items outlined in Section 4.6.

It is likely that the Site can be determined to be suitable or made suitable for the residential land use (with access to soils) pending a Phase II DSI and remediation (if required).

1 Introduction

1.1 Background and General Information

ADE was engaged by HT Building Pty Ltd (HT Building) to undertake a Phase I Preliminary Site Investigation (PSI) to assess the potential for contamination within the property located at Glendower Street, Gilead 2560, New South Wales (NSW) (the site). The site is situated within the Local Government Area of the City of Campbelltown. The site comprises Lot 21 and part of Lot 19 DP1000643 and has an area of approximately 59,992 m². Lot 21 is currently zoned as RU2-Rural Landscape and Lot 19 is RE1-Public Recreation.

This report has been prepared to accompany a Site Compatibility Certificate (SCC), to modify the land use to permit the use of seniors housing on the site. It is noted that the proposed works within Lot 19 (public recreation) do not form part of the SCC application. ADE understands that the proposed development involves the construction of multi-storey independent living units and an ancillary health building. The concept plan is provided in *Appendix VII – Supporting Documents*.

The purpose of the PSI was to assess the potential for contamination at the site. This was undertaken through:

- Review of the site's history
- Desktop study of the site's condition and its surrounding environment
- Site walkover and visual inspection; and
- Preparation of this PSI report outlining the results of the investigation.

Fieldworks were undertaken by an experienced ADE environmental consultant on 20 October 2021. This report summarises the findings of the site walkover and discusses the outcomes of the desktop investigation.

1.2 Objectives

The objectives of the investigation were to support the development process of the site by carrying out an investigation to assess:

- a) Historical uses and owners of the site
- b) Potential sources of contamination and types of contaminants
- c) Whether there exists a potentially complete source-pathway-receptor link through the development of a conceptual site model (CSM)
- d) Whether any further investigations are required

1.3 Scope of Work

The scope of work required to achieve the objectives of the investigation involved the following:

- Review of site information from a Lotsearch Report (Lotsearch, 2021) and other sources
- Completion of a Safety, Health & Environmental Work Method Statement (SH&EWMS) prior to undertaking field works
- Desktop site review of:
 - Land title records (provided by Lotsearch)
 - Section 10.7 planning certificate (provided by Campbelltown Council)
 - NSW Environment Protection Authority (EPA) contaminated lands register for notifications
 - Dial Before You Dig (DBYD) service search
- Review of past and current activities on the site
- Review of past and current activities on neighbouring sites and identification of any potential on-site/off-site sources of contamination

- Review of past aerial photographs of the site and its surrounds to identify the locations of any previous buildings and / or other infrastructure associated with activities that could be on-site / off-site sources of contamination
- Review of local geology and hydrogeology (including a groundwater bore search)
- Review of appropriate acid sulfate soil (ASS) risk maps to determine the potential for ASS at the site
- Site inspection by an experienced Environmental Consultant
- Preparation of a Stage I PSI report outlining:
 - Detailed information on the results of the desktop review and site inspection
 - Conclusions regarding the contamination at the site
 - Conclusions regarding site suitability for the proposed land use
 - Recommendations for a Stage II detailed site investigation (DSI), should it be warranted.

1.4 Legislative Requirements

The legislative framework for the report is based on guidelines that have been approved by the NSW EPA under the following Acts and Regulations:

- State Environmental Planning Policy No.55 - Remediation of Land (NSW Government 2020)
- Contaminated Land Management Act 1997 (NSW) (CLM Act)
- Protection of the Environment Operations Act 1997 (NSW) (POEO Act)
- Environmentally Hazardous Chemicals Act 1985 (NSW)
- National Environment Protection Council Act 1995 (Cth.)

The relevant guidelines issued under the provisions of the above Acts and Regulations include:

- Australian Standard AS 4482.1-2005: Guide to the investigating and sampling of sites with potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds (Standards Australia, 2005)
- Australian Standard AS 4482.2-1999: Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatile substances (Standards Australia, 1999)
- Sampling Design Guidelines (NSW EPA 1995)
- Polychlorinated Biphenyl (PCB) Chemical Control Order 1997
- Contaminated Land Guidelines: Consultant Reporting on Contaminated Land (NSW EPA, 2020)
- Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme (NSW EPA, 2017)
- National Environmental Protection Measure (Assessment of Site Contamination) 1999, and 2013 Amendment (NEPM, 2013)

2 Site Identification

2.1 Site Location

The site subject to the current investigation is located at the southern end of Glendower Street, Gilead NSW 2560 as shown in **Figure 1** below and Appendix I – Site Maps.

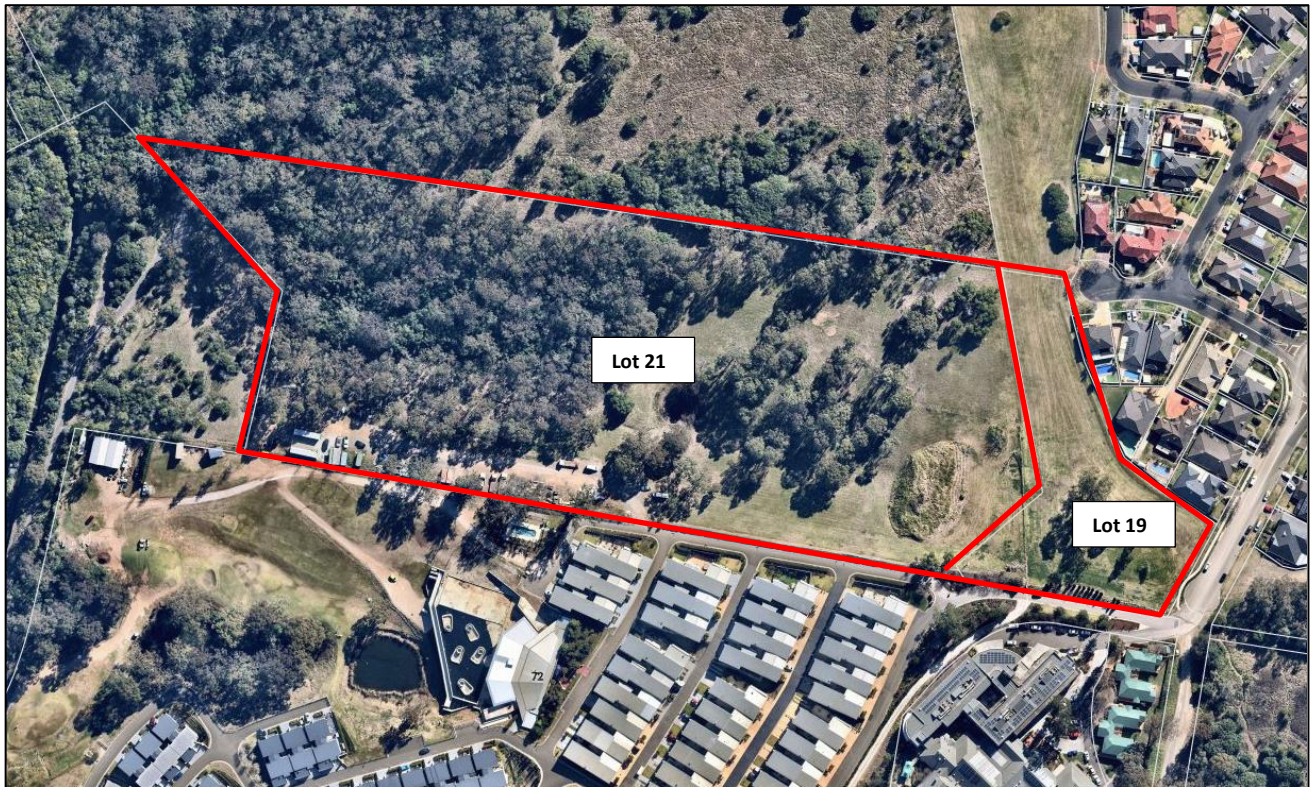


Figure 1. Aerial photograph of the site, outlined in red (source Nearmap.com, accessed 25/10/2021)

2.2 Summary of Site Details

Table 1. Site Details and Information.

Site Details	
Site Address:	Glendower Street Gilead NSW, 2560.
Titles Identification:	Lot 21 and part of Lot 19 / DP1000634
Latitude, Longitude:	Lot 21: Latitude -34.11042; Longitude 150.78581 Lot 19: Latitude -34.11064; Longitude 150.78618.
Current Owner (s):	William Kennedy Holdings Pty Limited and Public Reserve - City of Campbelltown
Site Area:	Approximately 59,992 m ² .
Local Government Authority:	The City of Campbelltown
Land Use Zoning:	Lot 19: RE1 Public Recreation. Lot 21: RU2 Rural Landscape
Locality Map:	Refer to <i>Figure 1</i> in Section 2.1 and <i>Appendix I – Figure 1</i> .
Trigger for Assessment:	Council requirements for development proposal

2.3 Field Inspection

Lot 19 is undeveloped, largely consisting of sparse trees and grassland. A metal boundary fence exists along the perimeter and a drainage system with a stormwater outlet runs along the northern perimeter.

Lot 21 is undeveloped and consists of grassland and dense trees. The client has informed ADE that the trees in the western portion of the site are heritage listed Cumberland trees, which comprise an asset protection zone.

An internal gravel road composed of aggregate exists in the central southern portion of Lot 21. This internal road forms the entrance to the site, which leads to demountable site offices and sheds located in the south-western corner. Parked caravans, trucks and cars were observed leading down to the site offices/ sheds. Miscellaneous construction materials (steel frames, cinder blocks, tiles, bricks, plastic tarpaulin, metal fencing etc) have been stored adjacent to the internal road.

A large stockpile was observed in the south-eastern portion of the site, which had been overlaid by grass. No asbestos or building materials were observed on the surface of the stockpile.

A natural drainage basin was observed in the centre of Lot 21. Some metal/ cement conduit and demolition debris were observed in the eastern portion of Lot 21 (refer to *Appendix I – Aerial Photograph*).

2.4 Surrounding Land Use

Table 2 below details the primary surrounding land uses observed during the site inspection

Table 2. Surrounding Land Uses.

Orientation with Site	Description of Use
North	The area to the north of the site has not been developed and is comprised of E3 Environmental Management land, consisting of grass and dense bushland. North-east of the site is recreation and suburban residential areas.
East	Land residing to the east of the site consists of R2 Low Density Residential housing. Falstaff Reserve and further low density residential land is located further east.
South	Mount Gilead Estate and Estia Health Kilbride (aged care facilities) are located to south of the site. Further south is RU2 Rural landscape land.
West	Directly West of the site is infrastructure electricity substation zoning. This is a grassed area being used by Sydney Water. Further West is E3 Environmental Management Land.

2.5 Physical Setting

A desktop study was conducted to review the site topography, geology, hydrogeology, and other relevant information. The information gathered during the desktop study is outlined in **Table 3** below.

Table 3. Regional Setting Information for the Site.

Attribute	Description
Topography	<p>The Site has a moderate to steep sloping surface which ranges from 24-30 m Australian Height Datum (AHD). The lowest point on-site is the western-most portion of the Site with the highest point found at the eastern-most portion of the Site. As such, the Site is considered to have a moderate to steep gradient towards the west.</p> <p>Lot 19 comprises the eastern portion of the site and is relatively flat, consisting of an elevation of approximately 164 m Australian Height Datum (AHD).</p> <p>Lot 21 is characterised by a steep sloping surface, which dips from the east (approximately 162 m AHD) to the west (approximately 128 m AHD).</p> <p>The northern and southern boundary of Lot 21 slopes inward with the steepest decline towards the north-western corner (Lotsearch Report, 2021).</p>
Site Drainage	<p>Since the majority of the site is comprised of exposed soil, rainwater is likely to be subject to vertical percolation through the topsoil and underlying residual soil materials into the groundwater table. Rainwater, via overland flow, is likely to be transported to Menangle Creek which is located to the south-west of the site.</p> <p>A drainage system was also identified along the northern boundary of Lot 19, which feeds into a stormwater drain.</p>

Table 3. Continued...

Hydrogeology & Groundwater	<p>As specified in Lotsearch (2021) the hydrogeology of the site consists of porous aquifers of low to moderate productivity.</p> <p>Lotsearch (2021) identified 3 groundwater bores within a 2 km radius of the site (GW064 814, GW064815 and GW108863). All 3 bores were located approximately 1239 m – 1937 m south-west of the site and ranged from 20 – 64 m in depth.</p> <p>GW064 814 and GW064 815 are used for domestic stock and GW108 863 is used for industrial purposes.</p>
Local Geology & Soil	<p>The site geology is comprised of:</p> <ul style="list-style-type: none"> • Wianamatta Group: Ashfield Shale – laminite and dark grey siltstone; Bringelly Shale – shale, with occasional calcareous claystone, laminite and coal; and • Quaternary alluvium – quartz and lithic fluvial sand, silt and clay. High level Tertiary alluvium – quartz and lithic silt and clay (Sydney Soil Landscape Series Sheet by Chapman and Murphy, 1989). <p>The soil landscape at the site is composed of a mixture of the Blacktown (bt), Luddenham (lt) and Theresa Park soil landscapes (Lotsearch, 2021).</p> <p>As specified in Lotsearch (2021) dominant soils in the area consist of acidic red soils (Dr2.21) with hard neutral and acidic yellow mottled soils (Dy3.42 and Dy3.41) on lower slopes and in valleys. Associated are small areas of various soils including (Gn3.54) on some ridges, (Dr3.31) on some slopes; (Dr2.23) in saddles and some mid-slope positions, and some low-lying swampy areas of (Uf6) soils and (Uc1.2) soils with peaty surfaces. Small areas of other soils such as (Db1.2) are likely throughout.</p>
Acid Sulfate Soil Risk	<p>According to the Lotsearch (2021) report, acid sulfate risk at the site is defined by an extremely low probability of occurrence (Class C). As specified in Lotsearch (2021) there is a 1-5% chance of occurrence of ASS in small, localised areas.</p>
Nearest Surface Water Features	<p>The closest surface water body is Menangle Creek, which is located to the immediate west of the site.</p>

3 Site History

The site history has been compiled from information gathered from various sources including HT Building, Lotsearch, DBYD, NSW Government and Campbelltown Council.

3.1 Historical Land and Title Search

Table 4. Summary of LTO Records for Lot 19, DP1000643 Glendower Street Gilead 2560 NSW

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Inferred Land Use
1906-1925	James Frances O'Donnell	Grazier
1925-1951	Darcy Wentworth Towns Osborne	Grazier
1951-1955	Kilbride Pty Ltd	Aged Care
1955-1959	Francis Percival Hopkins	Grazier
1959-1964	Oliver Throsby Young	Gentleman
1964-1965	Rex Payne Enterprises Pty Ltd	-
1965-1979	Arthur Russell Pritchard Monica Mary Pritchard	Residential
1979-1986	Arthur Russell Pritchard	Solicitor
1986-1989	Lawrence Joseph Stehlik	Residential
1989-1999	William Kennedy Holdings Pty Limited	Financial Services
1999-Now	Public Reserve - City of Campbelltown	Public Recreation

Table 4. Summary of LTO Records for Lot 20, DP1000643 Glendower Street Gilead 2560 NSW

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Inferred Land Use
1906-1925	James Frances O'Donnell	Grazier
1925-1951	D'arcy Wentworth Towns Osborne	Grazier
1951-1955	Kilbride Pty Ltd	Aged Care
1955-1959	Francis Percival Hopkins	Grazier

Table 4. Continued...

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Inferred Land Use
1959-1964	Oliver Throsby Young	Gentleman
1964-1965	Rex Payne Enterprises Pty Ltd	-
1965-1979	Arthur Russell Pritchard Monica Mary Pritchard	Solicitor Married Woman
1979-1986	Arthur Russell Pritchard	Solicitor
1986-1989	Lawrence Joseph Stehlik	-
1989-2018	William Kennedy Holdings Pty Limited	Financial Services
2018-Now	William Kennedy Holdings Pty Limited	Rural Landscape

According to historical land title records, the site has been primarily owned by private individual owners. From 1906 to 1959. The site was primarily used for grazier/ farming purposes. After 1959 the land appears to be owned by professionals and private occupiers until 1989 when WKH Pty Ltd, a financial investment company took ownership of both lots and remains the owner of Lot 21. Lot 21 is zoned for Rural Landscape and Lot 19 is currently owned by the Campbelltown City Council and is zoned for public recreation.

3.2 Historical Photography

Historical aerial photographs were included in *Appendix IV – Lotsearch Report*. An analysis of historical aerial photographs from the years 1930 to 2021 were examined and are summarised below in **Table 5**.

Table 5. Summary of Historical Aerial Photography for the Site.

Year	Type	Subject Site Description	Adjacent Site Description
1947	Black and White	Lot 20 appears vacant, with grassland throughout and trees present in the northern portion. Two sheds are present in the south-eastern portion of Lot 21 and southern portion of Lot 19.	A residential property is located to the south of Lot 19. The surrounding area remains undeveloped, containing grassland and trees to the south-east.
1956	Black and White	Two new structures (sheds / residential dwellings) and internal dirt roads have been constructed in the south-eastern portion of the site. Land in the south-eastern corner of the site has also been cleared, with possible use of this area for market gardens/ agricultural use.	The residential dwelling to the south of Lot 19 has been expanded. A residential dwelling has been established north-west of the site.
1965	Black and White	No significant changes.	No significant changes.

Table 5. Continued...

Year	Type	Subject Site Description	Adjacent Site Description
1970	Black and White	Erosion of grassland in the southern portion of Lot 21 has occurred. A natural drainage basin appears to have been formed in the centre of Lot 21. No significant changes have occurred in Lot 19.	4 dams have been established to the north, east and south of the site.
1975	Black and White	No significant changes.	No significant changes.
1984	Colour	No significant changes	Market gardens have been established south of Lot 19. An internal dirt road south of Lot 19 has been constructed.
1990	Colour	No significant changes	A residential precinct has been constructed north-east of the site.
1994	Colour	The residential dwelling/ agricultural sheds in the southern portion of Lot 19 have been removed. Only 1 shed remains present in the north-western portion of Lot 19.	The residential dwelling to the south of Lot 19 has been demolished and has been replaced with the construction of an aged care facility. The land to the south of the site has been cleared. Expansion of the residential precinct north-east of the site has occurred.
1998	Colour	No significant changes	No significant changes
2005	Colour	Lot 19 and Lot 21 have been cleared of any built structures and now contains only grassland and dense trees in the western portion of Lot 21.	The residential precinct north-east of the site has expanded and now shares the north-eastern boundary with the site.
2011	Colour	No significant changes.	Mount Gilead Estate (aged care facility) has been constructed to the south of Lot 21. Further expansion of residential dwelling have occurred to the north of the site.
2016	Colour	No significant changes.	Expansion of Mount Gilead Estate has occurred to the south-west of the site.
2021	Colour	Construction of an internal gravel driveway has been established along the southern boundary of Lot 21. Site sheds appear to have been constructed in the south-western portion of Lot 21, with some cars present adjacent to the sheds.	Expansion of Mount Gilead Estate has occurred to the south-west of the site.

3.3 Heritage Items

A search for the state heritage inventory items in the NSW Heritage public register was undertaken by Lotsearch (2021) and identified the following items listed under the *NSW Heritage Act 1977* (NSW) in **Table 6** (refer to *Appendix E - Lotsearch Report*).

Table 6. Summary of Items Listed in the Environment and Heritage Public Register within a 200 m Radius of the site.

Item Name / Site I.D	Class	Location	Approximate Location from the Site
Upper Canal System (Pheasants Nest Weir to Prospect Reservoir)/ 5051481	Curtilage	Prospect	Onsite
Sugarloaf Farm / 5045759	Curtilage	Menangle Road Gilead	North-West
Sugarloaf Farm/ 5045759	Curtilage	Menangle Road Gilead	50m North-West
Sugarloaf Farm, homestead group and rural landscape setting/ 101389	Item- General	Gilead	Onsite
Upper Canal System (Pheasants Nest Weir to Prospect Reservoir)/ 101373	Item- General	Gilead	Onsite
Killbride/ 159	Item- General	Gilead	12m South-East
Sugarloaf Farm, homestead group and rural landscape setting/ 101389	Item- General	Gilead	50m North-West

A search of the NSW Office of Environment and Heritage Public Register of State Environmental Planning Instrument identified there are 3 heritage items on site and 4 items within 50 m of the site.

3.4 Contaminated Land Record Search

A review of the OEH 'Contaminated Land – Record of Notices' listed by the NSW EPA under the *Contaminated Land Management Act 1997* (CLM) identified no current notices within a 1 km radius of the Site (refer to *Appendix E – Lotsearch Environmental Risk and Planning Report*).

A review of the 'List of NSW Contaminated Sites Notified to the EPA' listed by the NSW EPA under the *Contaminated Land Management Act 1997* (CLM) identified no sites notified to the NSW EPA within a 1 km radius of the Site (refer to *Appendix E – Lotsearch Environmental Risk and Planning Report*).

3.5 Section 10.7 Certificates

The Planning Certificates under Section 10.7 of the *Environmental Planning and Assessment Act 1979* (NSW) (refer to *Appendix I – Planning Certificates – Section 10.7*), provides the state and local environmental planning instruments which affect the site.

A request for Section 10.7 certificate was submitted to Campbelltown Council on 18 October 2021. At the time of preparing this report, ADE has not been issued the Section 10.7 documents. ADE will provide an updated report to HT Building upon receipt of the Section 10.7 documentation. ADE reserves the right to update the conclusions of this report based on any pertinent information obtained in the Section 10.7 planning certificate.

3.6 Dial Before you Dig

An online search for utilities located within the Site was conducted by ADE and is summarised in **Table 7** below (refer to *Appendix VI – Dial Before You Dig*).

Table 7. Summary of Utilities Located on or Adjacent to the Site.

Asset Owner	Utility Type	Utility Location
Endeavour Energy	Electricity	Underground cables were identified on the eastern side of the site.
Jemena	Gas	Jemena Gas Mains were identified along the north-eastern boundary of Lot 19 on Gonzalo and Soliano Street.
NBN Co NSWACT	Telecommunications	Records indicate that there is a system of direct buried cable pits located on the north-eastern side of Lot 19 on Soliano Street and down Glendower Street, running along the southern boundary of both lots.
Telstra	Telecommunications	Telstra owns/ operates fibre optic and / or major network infrastructure on the eastern side of the site.
Sydney Water	Water	Sewer/ concrete encased sections identified on north and south-eastern portion of Lot 19. Water valves and mains were identified on the south-eastern side of Lot 19.

3.7 Assessment of Historical Information Integrity

The majority of the site history information was obtained from government organisations as outlined in the relevant sections of this report. The veracity of the information from these sources is considered to be relatively high. A certain degree of information loss can be expected given the lack of specific land use details over time. ADE has relied upon the Lotsearch report and have not independently verified any information contained within. However, it is noted that the Lotsearch report is generated from databases maintained by various government agencies and is expected to be generally reliable.

3.8 SafeWork NSW Storage of Hazardous Chemicals Search

Due to the aerial photographs and preliminary site walkaround detailing no historical industrial uses of the site, A SafeWork chemical search was not deemed necessary for the site.

3.9 Review of Historical Public Directories

The Lotsearch report included a review of historical directories including the White Pages and Yellow Pages. The Lotsearch report showed no historical business directories at the site.

3.10 Previous Investigation Reports

ADE has not been made aware of any previous investigation reports relating to the site.

3.11 Asbestos

The Lotsearch report indicated that there was no naturally occurring asbestos found within the site.

4 Preliminary Conceptual Site Model

4.1 Potential Contamination Types

NEPM (NEPC, 2013) identifies a Conceptual Site Model (CSM) as a representation of information regarding contamination sources, exposure pathways and the potential receptors. The essential elements of a CSM include:

- Known (and potential) contamination sources and contaminants of concern.
- Impacted media (e.g. soil, groundwater, surface water etc.).
- Human / ecological receptors; and
- Potential / complete exposure pathways.

The Preliminary CSM developed for the site was based on the preliminary desktop study and the site walkover which provided an understanding of the CoPC and their likely pathways. The conclusions of the provisional CSM can form the basis for further investigation works at the site.

For the purposes of this PSI, the following qualitative risk assessment has been applied:

- Low Risk – the activities and related CoPC are likely to pose no or a low potential human health/environmental impact. Any impact is likely localised to a specific area of the site
- Moderate Risk – the activities and related CoPC are likely to pose potential for moderate human health/environmental impact. Any impact is likely localised to a specific area of the site
- High Risk – the activities and related CoPC could pose a significant environmental impact. There is potential for impacts of the immediate local area of the Site or off-Site migration impacting surrounding human and/or environmental receptors.

4.2 Model

Sources of contamination may include the following:

- Historical importation of soil materials
- Vegetation and/or pest chemical controls from on and off-site sources
- Historical/current surrounding land uses
- Poor construction and demolition practices of previous and current dwellings and structures on-site

4.3 Potential Contaminants of Concern

A review of available environmental data and the site walkover inspection, ADE identified the following contaminants of concern and their potential sources:

- Demolition of pre-existing sheds in the south-eastern portion of the site is a potential source of asbestos and lead contamination
- Importation of uncontrolled fill on site is a potential source of TRH, BTEX, PAHs, PCBs, OPPs, OCPs, Heavy metal and asbestos contamination
- Pre-existing agricultural land/ crop fields within Lot 19 and Lot 21 is a potential source of OCP and OPP contamination

4.4 Sensitive Receptors

Potential human receptors at the site include:

- Residents on-site and of neighbouring properties
- Visitors to the site
- Future maintenance workers undertaking subsurface construction maintenance works
- Construction / demolition / earthmoving workers involved with any future development works; and
- Maintenance works.

Potential ecological receptors at the site include:

- Flora and fauna that inhabit or travel through the site
- Groundwater environments beneath the site being impacted as a result of the vertical migration of contaminants, however this is considered low due to the great depth of groundwater

4.5 Potential Contaminant Pathways

Potential exposure pathways from the contamination to the receptors include:

- Exposure of construction workers and personnel on-site to contaminated site soils is possible. The risk is assessed as low due to the ability to manage the work site and implement appropriate controls
- Exposure of the public to contaminated soils is unlikely. The site is inaccessible to the public, with boundary fences erected along the site perimeter. The risk is assessed as low
- Exposure of construction workers, personnel, and the public to contaminated groundwater is unlikely. The risk is assessed as low due to the great depth of groundwater at the site

4.6 Areas of Concern

Following a review of available environmental data and the site walkover inspection, ADE identified the following areas of concern:

- Former shed and market garden footprint in south-eastern portion of site
- Former market garden / crop field footprints in the central portion of Lot 21
- Stockpile footprint located in the south-eastern area of Lot 21
- Demolition Waste footprint located in south-eastern area of Lot 21

5 Conclusions and Recommendations

Following the site walkover and the desktop study, ADE considers that there is a low to moderate risk of contamination that has occurred due to past activities undertaken at the site. Areas of concern identified include:

- Former shed and market garden footprint in south-eastern portion of site
- Former market garden / crop field footprints in the central portion of Lot 21
- Stockpile footprint located in the south-eastern area of Lot 21
- Demolition Waste footprint located in south-eastern area of Lot 21

Based on the areas of concern identified, ADE considers that there are several potential contamination issues which include the following:

- Due to the nature of residential construction from the 1940's to 2000's and the prevalent use of asbestos and lead materials during this time period, potential asbestos containing materials (ACM) and or lead and or containing products may have or can impact the surficial and / or upper soil profile during the demolition of previous structures on site
- Potential Heavy Metals, Organochlorine Pesticides (OCPs) and Organophosphate pesticides (OCPs) contamination of the surficial and / or upper soil profile as a result of small-scale use of pesticides and herbicides on-site and within the surrounding area
- Potential for contamination via imported soil materials into the premises. The potential for a range of contaminants being present include, but not limited to Heavy Metals – Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver and Zinc, TRHs, PAHs, BTEX, OCPs, OPPs, and Asbestos

5.1 Recommendation

Based on the results of the desktop study and site-walkover investigation, ADE considers there is a low to moderate risk that contamination has occurred due to past activities undertaken at the site. As such, a targeted soil sampling program should be implemented as part of a phase II Detailed Site investigation to address the items outlined in Section 4.6.

It is likely that the Site can be determined or made suitable for the residential land use with access to soils, pending a Stage II DSI and remediation (if required).

6 Limitations and Disclaimer

This report has been prepared for the exclusive use of the client and is limited to the scope of the work agreed in the terms and conditions of contract (including assumptions, limitations and qualifications, circumstances, and constraints). ADE has relied upon the accuracy of information and data provided to it by the client and others.

ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendixes and attachments. The report is an integral document and must be read in its entirety.

To the fullest extent permitted by law, ADE does not accept or assume responsibility to any third party (other than the client) for the investigative work, the report or the opinions given.

The scope of work conducted, and report herein may not meet the specific needs (of which ADE is not aware) of third parties. ADE cannot be held liable for third party reliance on this document. Any third party who relies upon this report does so at its own risk.

The subsurface environment can present substantial uncertainty due to its complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the site due to the limited sampling and testing program undertaken.

The material subject to classification pertains only to the site and subject area outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

ADE does not verify the accuracy or completeness of, or adopt as its own, the information or data supplied by others and excludes all liability with respect to such information and data. To the extent that conditions differ from assumptions set out in the report, and to the extent that information provided to ADE is inaccurate or incomplete or has changed since it was provided to ADE, the opinions expressed in this report may not be valid and should be reviewed.

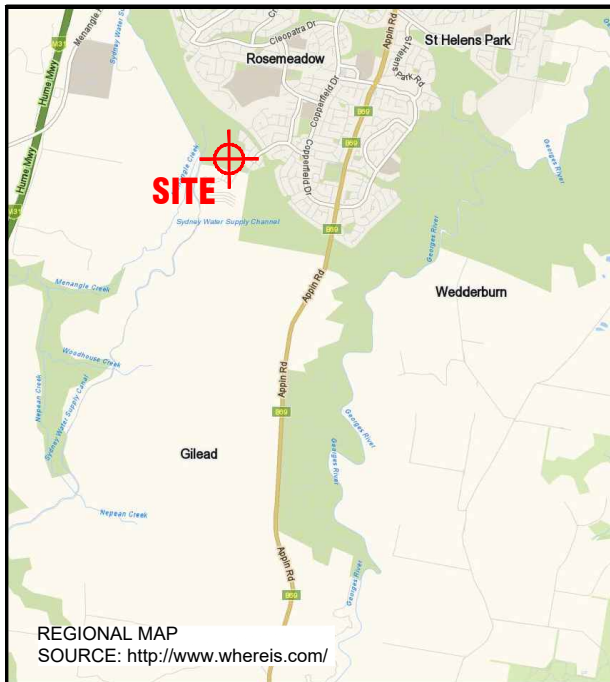
ADE's professional opinions are based upon its professional judgement, experience, training, and results from analytical data. In some cases, further testing and analysis may be required, thus producing different results and/or opinions. ADE has limited its investigation to the scope agreed upon with its client.

This Limitation and Disclaimer must accompany every copy of this report.

7 References

- Australian Standard AS 4482.1 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds.
- Australian Standard AS 4482.2 Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatiles substances.
- CRC for Contamination Assessment and Remediation of the Environment (CRC Care). (2011). Friebel and Nadebaum's *Health Screening levels for Petroleum Hydrocarbons in Soil and Groundwater, Part 2: Application Document*, Technical Report No. 10.
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- National Environment Protection Council (NEPC). (2013). *National Environmental Protection (Assessment of Site Contamination) Measure 1999, 2013 Amendment*.
- NSW EPA. (1995) *Contaminated Sites: Sampling Design Guidelines*.
- NSW EPA. (1997) *Polychlorinated Biphenyl (PCB) Chemical Control Order 1997 dated July 1997*.
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- NSW Government. (1985) *Environmentally Hazardous Chemicals Act 1985*.
- NSW Government. (1995) National Environmental Protection Council (New South Wales) Act (1995).
- NSW Government. (1997a) *Contaminated Land Management act 1997*.
- NSW Government. (1997b) *Protection of the Environment Operations act 1997*.
- NSW Government. (1998) *Planning Guidelines SEPP 55 - Remediation of Land*.
- NSW Government. (2010) Lane Cove Local Environmental Plan 2009.
- *Work Health and Safety Act 2011*.
- *Work Health and Safety Regulation 2017*.

Appendix I – Aerial Figure



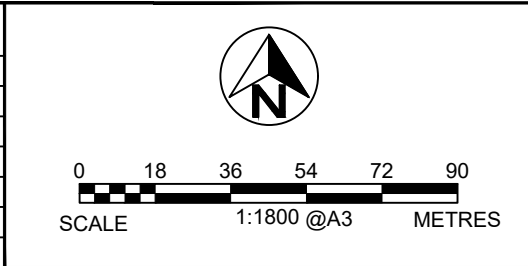
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approved	ML	project:	PRELIMINARY SITE INVESTIGATION LOT 21 AND PART LOT 19, DP1000643 GLENOWER STREET, GILEAD, NSW		
date	27/10/2021	title:	SITE LOCATION PLAN		
scale	NTS	project no:	21.1667_PSI	figure no:	FIGURE 1
original size	A4			rev:	A



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revision	no.	description	drawn	approved	date
	A	FIRST ISSUE	MC	ML	27/10/21



drawn	MC	client:	HT BUILDING PTY LTD		
approved	ML	project:	PRELIMINARY SITE INVESTIGATION LOT 21 AND PART LOT 19, DP1000643 GLENDOWER STREET, GILEAD, NSW		
date	27/10/2021	title:	AREA OF CONCERN		
scale	AS SHOWN	project no:	21.1667_PSI	figure no:	FIGURE 2
original size	A3			rev:	A



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Appendix II – Photographs



Photograph 1: Lot 19 and Lot 21. Date: 20/10/2021



Photograph 2: Metal fencing separating boundaries of Lot 19 and Lot 21. Date: 20/10/2021



Photograph 3: Eastern facing view of Lot 19. Date: 20/10/2021



Photograph 4: Drainage line observed along northern boundary of Lot 19. Date: 20/10/2021



Photograph 5: Internal gravel driveway extending along the southern boundary of Lot 21. Date: 20/10/2021.



Photograph 6: Internal gravel driveway surface extending along the southern boundary of Lot 21. Date: 20/10/2021.



Photograph 7: Caravans found parked on the South- Eastern boundary of Lot 21. Date: 20/10/2021



Photograph 8: Construction vehicles on Southern boundary of Lot 21 Date: 20.10.2021.



Photograph 9: Construction materials found in middle of site 21 between South and North West. Date: 20.10.2021.



Photograph 10: Construction materials found on Southern boundary of Lot 21 Date: 23.10.2021.



Photograph 11: Construction materials found near Eastern boundary between Lot 19 and Lot 21. Date: 20/10/2021



Photograph 12: Construction materials found along Southern boundary of Lot 21. Date: 20.10.2021



Photograph 13: Western facing view of Lot 21. Date: 20/10/2021



Photograph 14: Stockpiled fill covered in grass on Eastern side of Lot 21. Date: 20/10/2021



Photograph 15: Natural drainage basin found towards the North-Western grasslands in Lot 21. Date: 20.10.2021



Photograph 16: Metal/ cement conduit found within the northern portion of Lot 21. Date:20/10/2021



Photograph 17: Metal fencing of Northern boundary of Lot 21. Date: 20/10/2021



Photograph 18: Metal fencing along western boundary of Lot 21. Date: 20/10/2021



Photograph 19: Dense bushland and asset protection zone within Lot 21. 20/10/2021



Photograph 20: Protected heritage trees and bushland within the north-western portion of Lot 21. Date: 20/10/2021

Appendix III – Lotsearch Report



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 21 Oct 2021 09:11:58

Reference: LS025612 EP

Address: Glendower Street, Gilead, NSW 2560

Disclaimer:

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

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

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

Dataset Listing

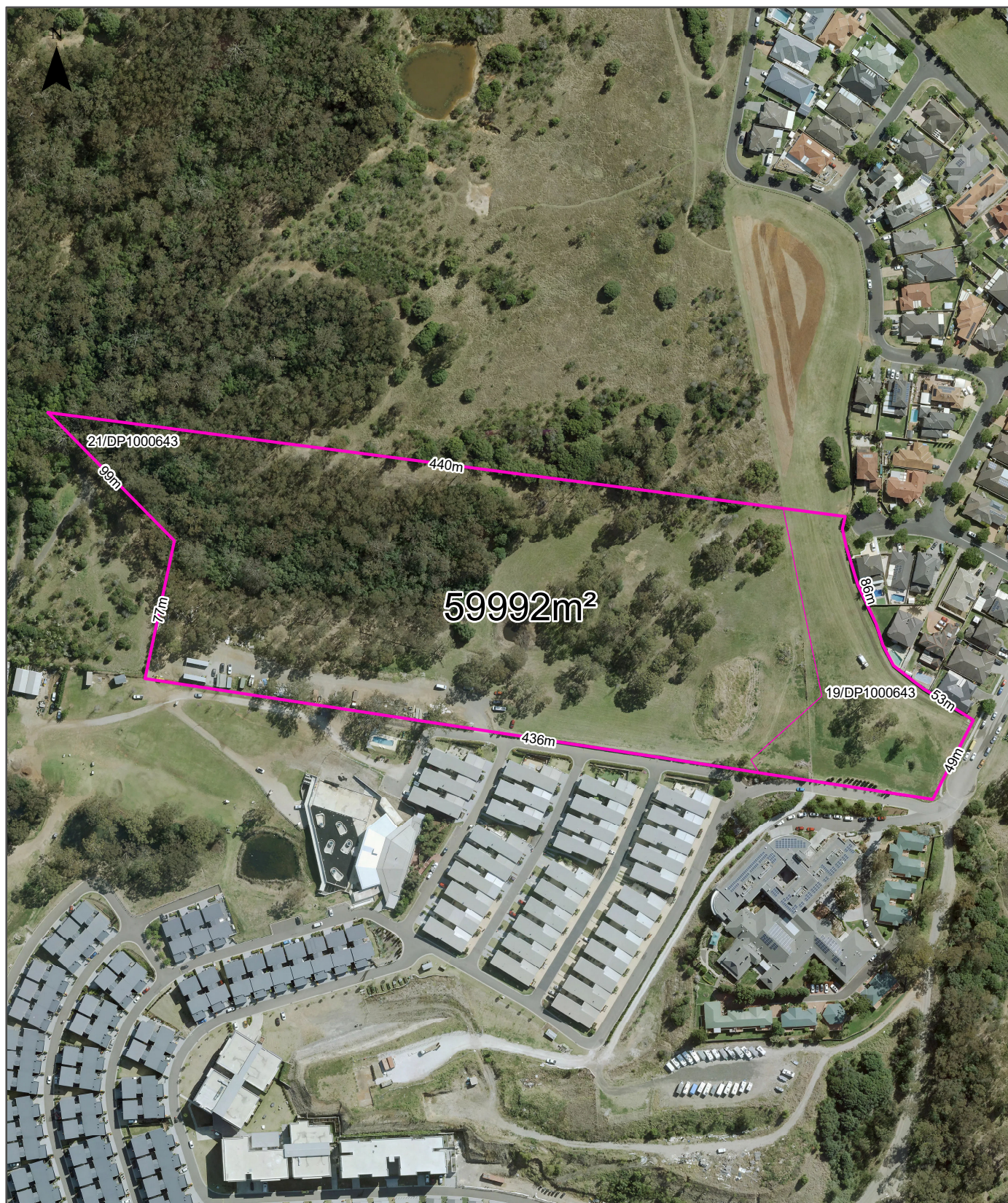
Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Finance, Services & Innovation	30/06/2021	30/06/2021	Quarterly	-	-	-	-
Topographic Data	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	13/10/2021	11/10/2021	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority	08/10/2021	08/10/2021	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority	11/08/2021	11/10/2017	Quarterly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	12/05/2021	07/03/2017	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	15/02/2021	13/07/2012	Annually	1000m	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	27/09/2021	28/04/2021	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	28/09/2021	28/09/2021	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	28/09/2021	28/09/2021	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	08/10/2021	08/10/2021	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	19/08/2021	19/08/2021	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	02/02/2021	13/12/2018	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	27/09/2021	27/09/2021	Monthly	1000m	0	0	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	27/09/2021	27/09/2021	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	27/09/2021	27/09/2021	Monthly	1000m	4	4	6
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	0	0
Points of Interest	NSW Department of Finance, Services & Innovation	19/08/2021	19/08/2021	Quarterly	1000m	0	2	18
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	1
Major Easements	NSW Department of Finance, Services & Innovation	19/08/2021	19/08/2021	Quarterly	1000m	1	3	9
State Forest	Forestry Corporation of NSW	25/02/2021	14/02/2021	Annually	1000m	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	22/01/2021	11/12/2020	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000m	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	26/10/2020	21/02/2018	Annually	1000m	0	0	0
Groundwater Boreholes	NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology)	24/07/2018	23/07/2018	Annually	2000m	0	0	3

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Geological Units 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		Annually	1000m	1	1	2
Geological Structures 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		Annually	1000m	0	0	2
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000m	1	1	2
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	14/10/2020	27/07/2020	Annually	1000m	3	3	4
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	19/08/2021	28/06/2021	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	1	1
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000m	0	0	0
Dryland Salinity Potential of Western Sydney	NSW Department of Planning, Industry and Environment	12/05/2017	01/01/2002	None planned	1000m	1	1	5
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	19/08/2021	05/08/2021	Quarterly	1000m	1	1	1
Current Mining Titles	NSW Department of Industry	28/09/2021	28/09/2021	Monthly	1000m	2	2	3
Mining Title Applications	NSW Department of Industry	28/09/2021	28/09/2021	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	28/09/2021	28/09/2021	Monthly	1000m	10	10	10
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	19/08/2021	07/12/2018	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	19/08/2021	13/08/2021	Monthly	1000m	2	6	26
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000m	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	19/08/2021	25/06/2021	Quarterly	1000m	1	3	3
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	19/08/2021	13/08/2021	Monthly	1000m	2	4	4
Bush Fire Prone Land	NSW Rural Fire Service	11/10/2021	23/08/2021	Weekly	1000m	3	4	4
Remnant Vegetation of the Cumberland Plain	NSW Office of Environment & Heritage	07/10/2014	04/08/2011	Unknown	1000m	5	7	16
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	24/02/2021	19/03/2020	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Annually	1000m	2	3	4
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000m	2	2	4
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	18/10/2021	18/10/2021	Weekly	10000m	-	-	-

Site Diagram

Glendower Street, Gilead, NSW 2560



Legend

- █ Site Boundary
- ▭ Internal Parcel Boundaries

Total Area: 59992m²

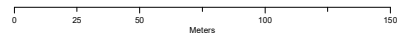
Total Perimeter: 1.24km

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.

Scale:



Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 October 2021

Contaminated Land

Glendower Street, Gilead, NSW 2560

List of NSW contaminated sites notified to EPA

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

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

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

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

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

Contaminated Land

Glendower Street, Gilead, NSW 2560

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

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

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

Former Gasworks

Former Gasworks within the dataset buffer:

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

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

Waste Management & Liquid Fuel Facilities

Glendower Street, Gilead, NSW 2560

National Waste Management Site Database

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

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

Waste Management Facilities Data Source: Geoscience Australia

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National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

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

National Liquid Fuel Facilities Data Source: Geoscience Australia

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PFAS Investigation & Management Programs

Glendower Street, Gilead, NSW 2560

EPA PFAS Investigation Program

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

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

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

Defence PFAS Investigation Program

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

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

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

Defence PFAS Management Program

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

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

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

Airservices Australia National PFAS Management Program

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

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

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

Glendower Street, Gilead, NSW 2560

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 Other Sites with Contamination Issues

Glendower Street, Gilead, NSW 2560

EPA Other Sites with Contamination Issues

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

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

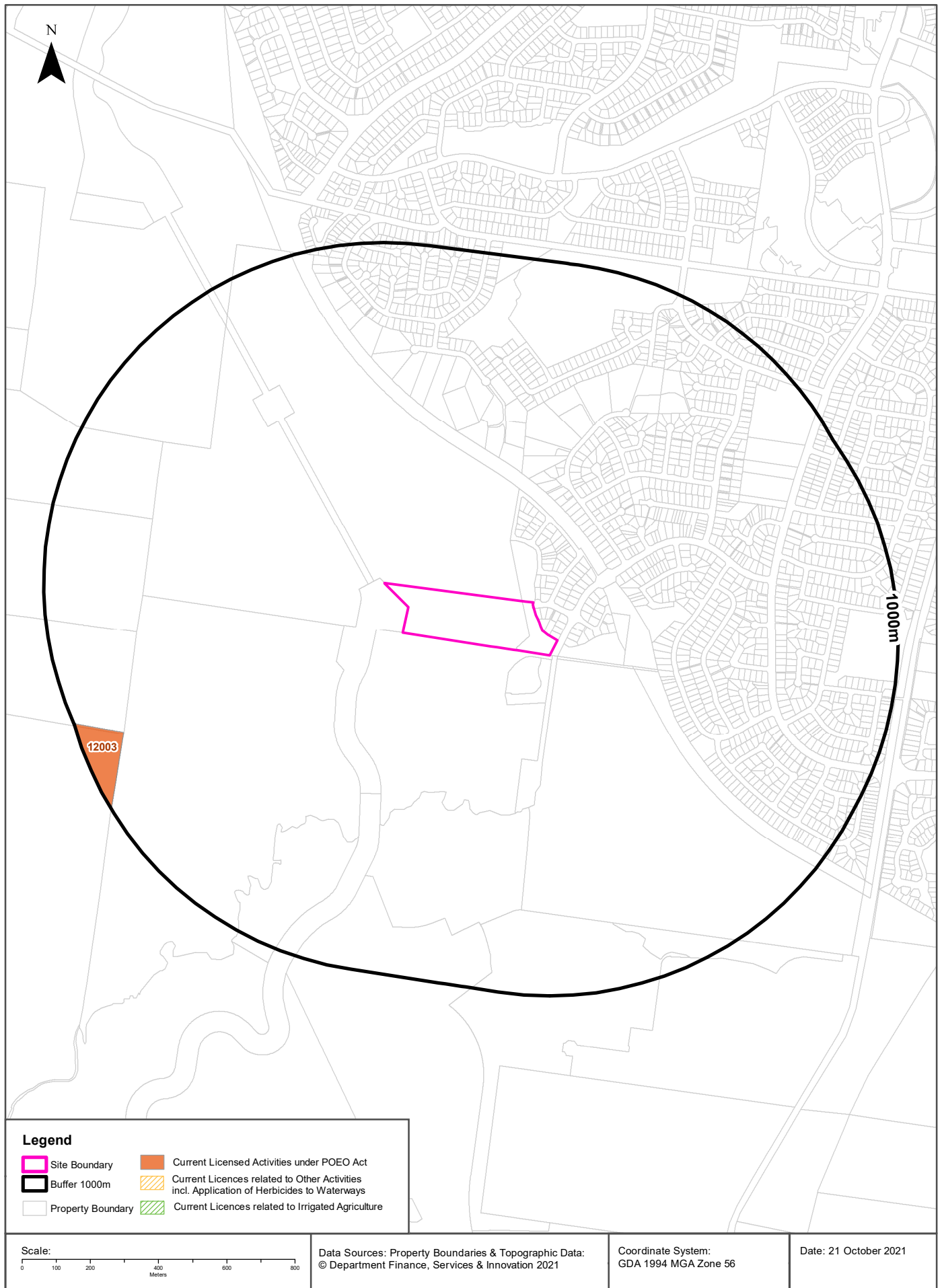
Sites within the dataset buffer:

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

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

Current EPA Licensed Activities

Glendower Street, Gilead, NSW 2560



EPA Activities

Glendower Street, Gilead, NSW 2560

Licensed Activities under the POEO Act 1997

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

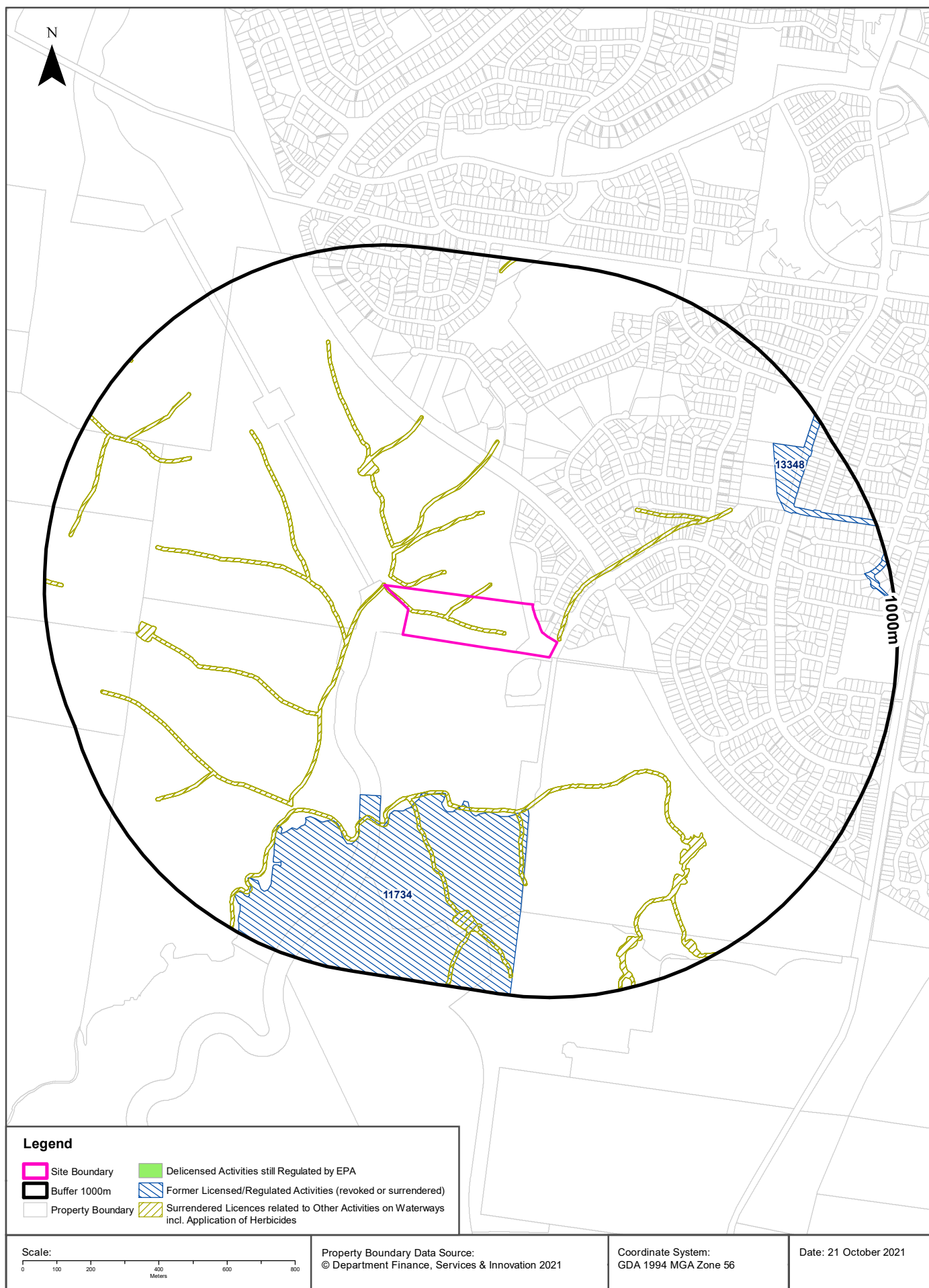
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
12003	AGL UPSTREAM INVESTMENTS PTY LIMITED	ROSALIND PARK GAS PLANT	MEDHURST ROAD	GILEAD	Petroleum products and fuel production	Premise Match	869m	West

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

Glendower Street, Gilead, NSW 2560



EPA Activities

Glendower Street, Gilead, NSW 2560

Delicensed Activities still regulated by the EPA

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

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

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

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

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

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
6651	CAMPBELLTOWN CITY COUNCIL	WATERWAYS OF CAMPBELLTOWN CITY COUNCIL AREA - CAMPBELLTOWN NSW 2560	Surrendered	08/05/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
11734	CLEANAWAY ORGANICS PTY LTD	APPIN ROAD, APPIN, NSW 2560	Surrendered	26/09/2002	Composting	Premise Match	442m	South
13348	SYDNEY WATER CORPORATION	Streets identified within Scheme Envelope as per Fig 1-3 of Appin/245, APPIN, NSW 2560	Surrendered	19/01/2011	Sewage treatment processing by small plants	Network of Features	772m	North East

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

Historical Business Directories

Glendower Street, Gilead, NSW 2560

Business Directory Records 1950-1991 Premise or Road Intersection Matches

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

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

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Business Directory Records 1950-1991

Road or Area Matches

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

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

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

Historical Business Directories

Glendower Street, Gilead, NSW 2560

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

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

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

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

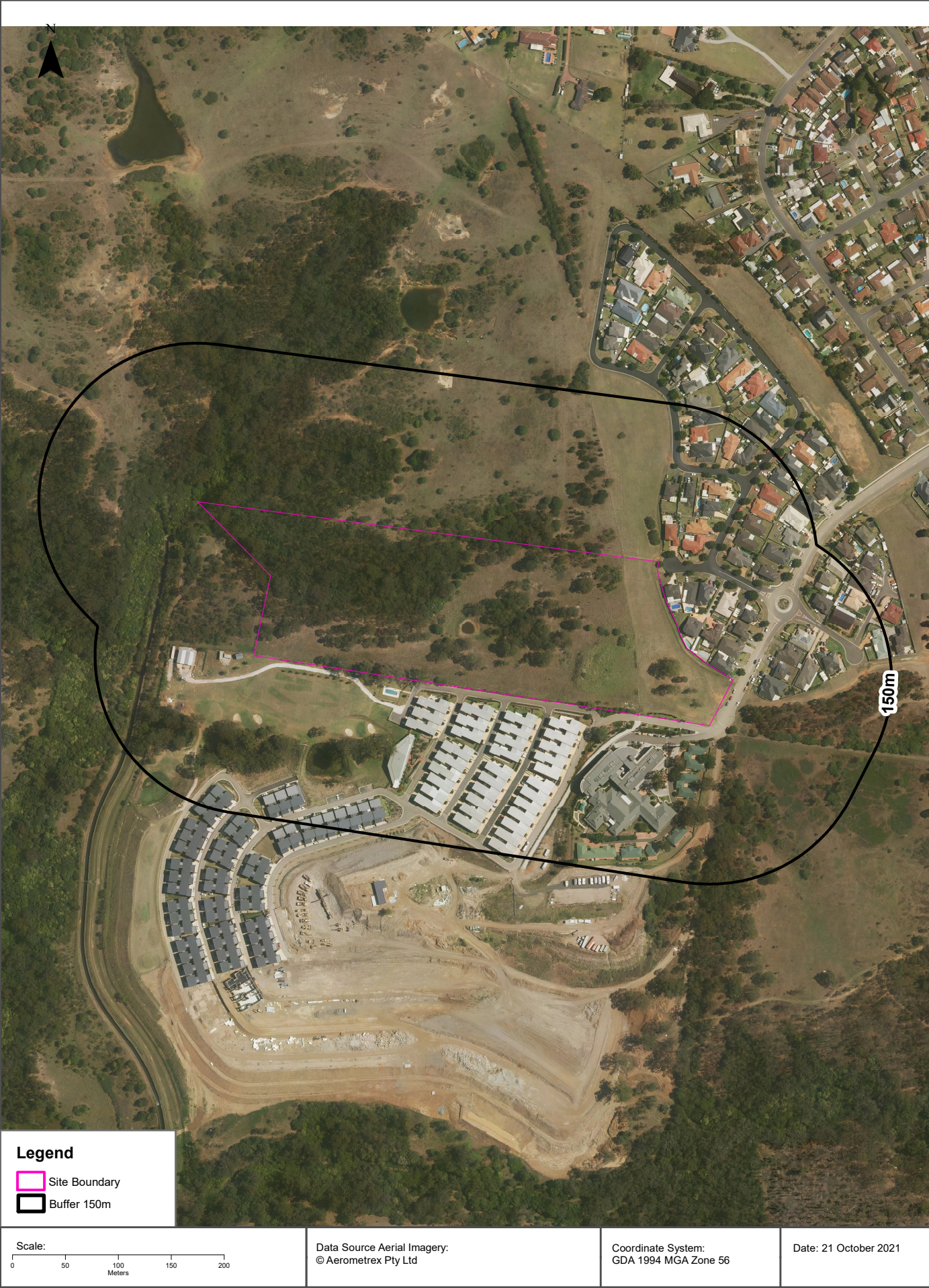
Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

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

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

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





Aerial Imagery 2011

Glendower Street, Gilead, NSW 2560



Scale:
0 50 100 150 200
Meters

Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 October 2021



Scale: 0 50 100 150 200 Meters	Data Source Aerial Imagery: © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 21 October 2021
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Aerial Imagery 1994

Glendower Street, Gilead, NSW 2560



Aerial Imagery 1990

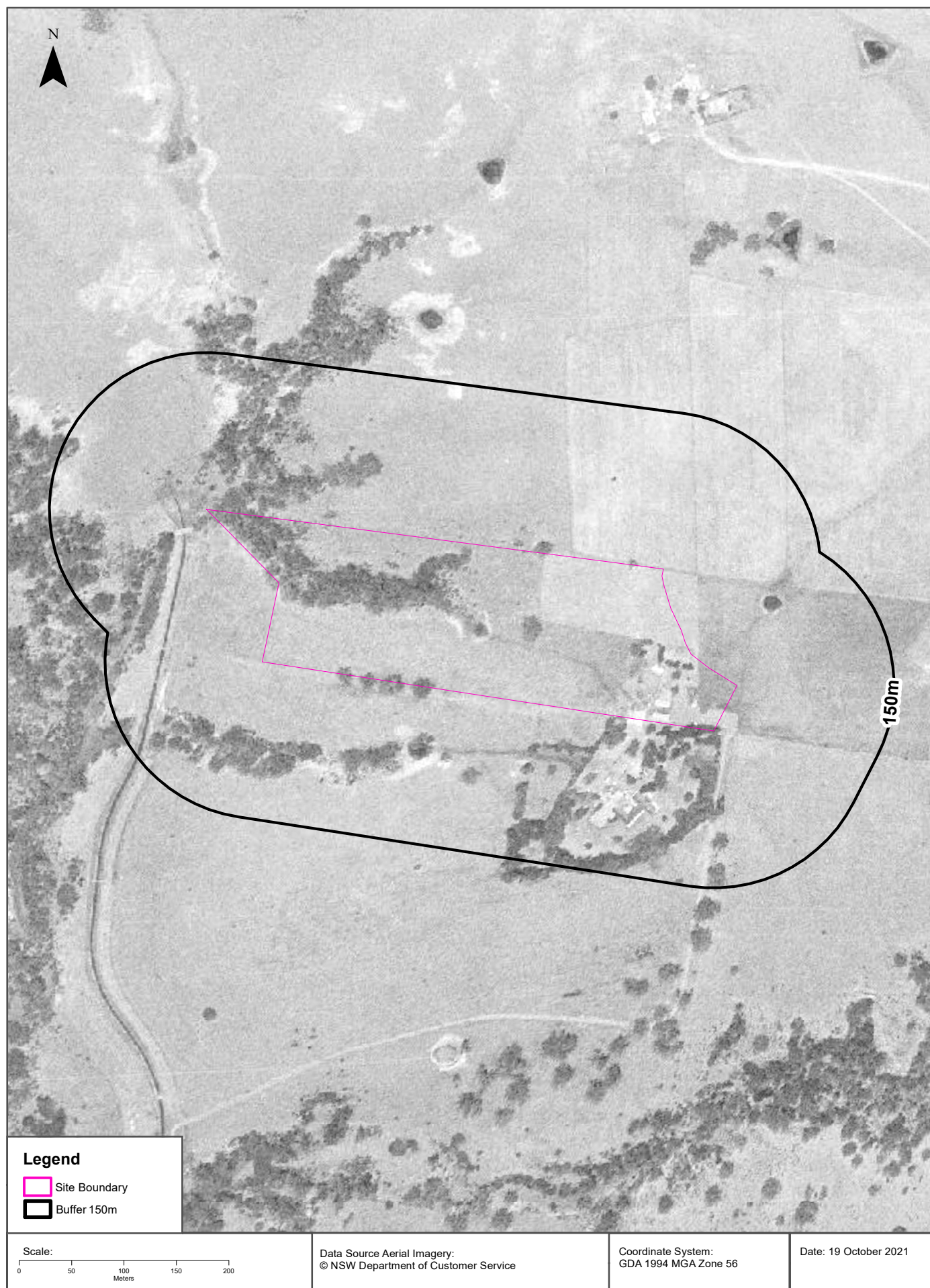
Glendower Street, Gilead, NSW 2560





Aerial Imagery 1975

Glendower Street, Gilead, NSW 2560



Aerial Imagery 1970

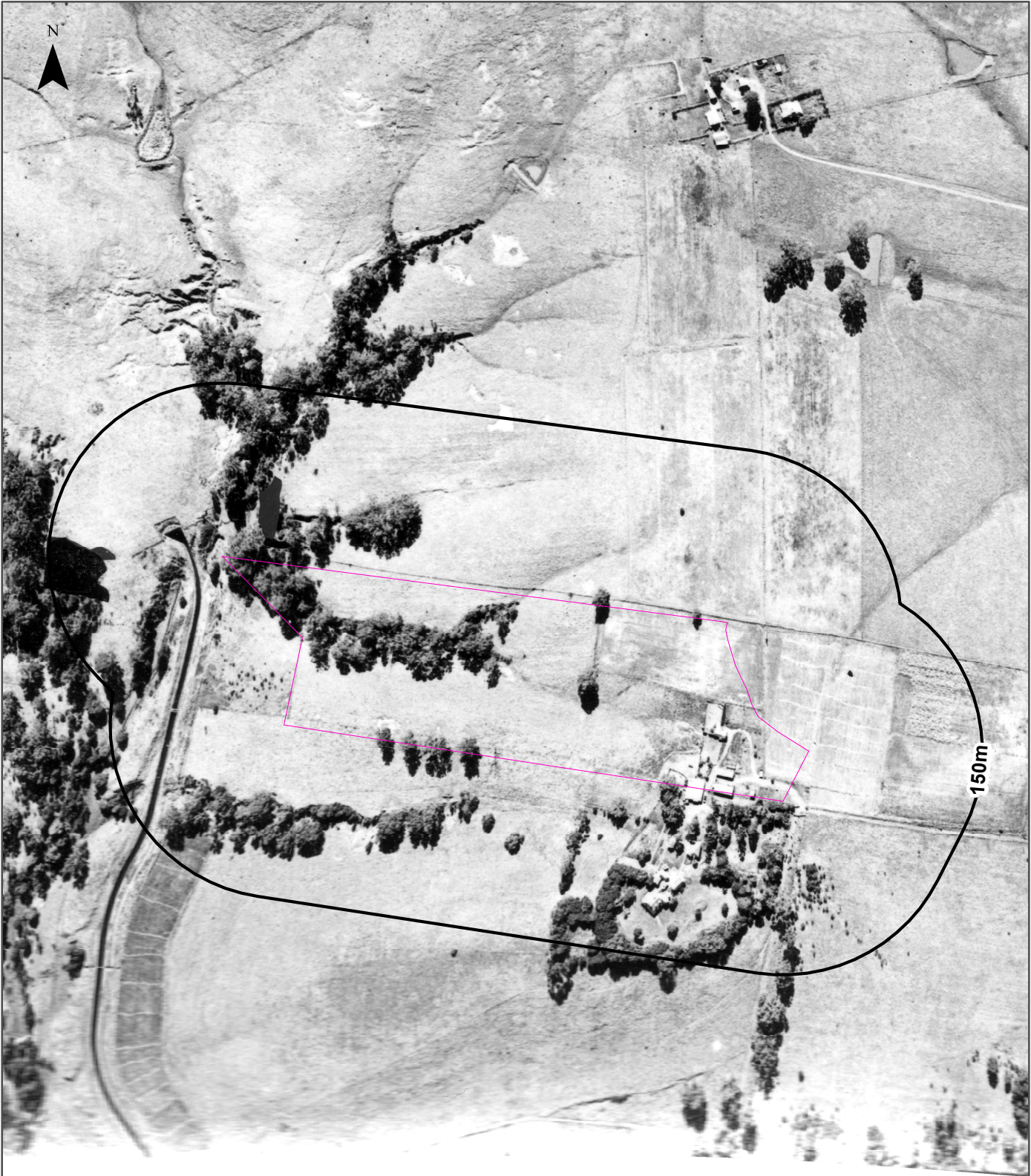
Glendower Street, Gilead, NSW 2560




Aerial Imagery 1965


Glendower Street, Gilead, NSW 2560





Legend

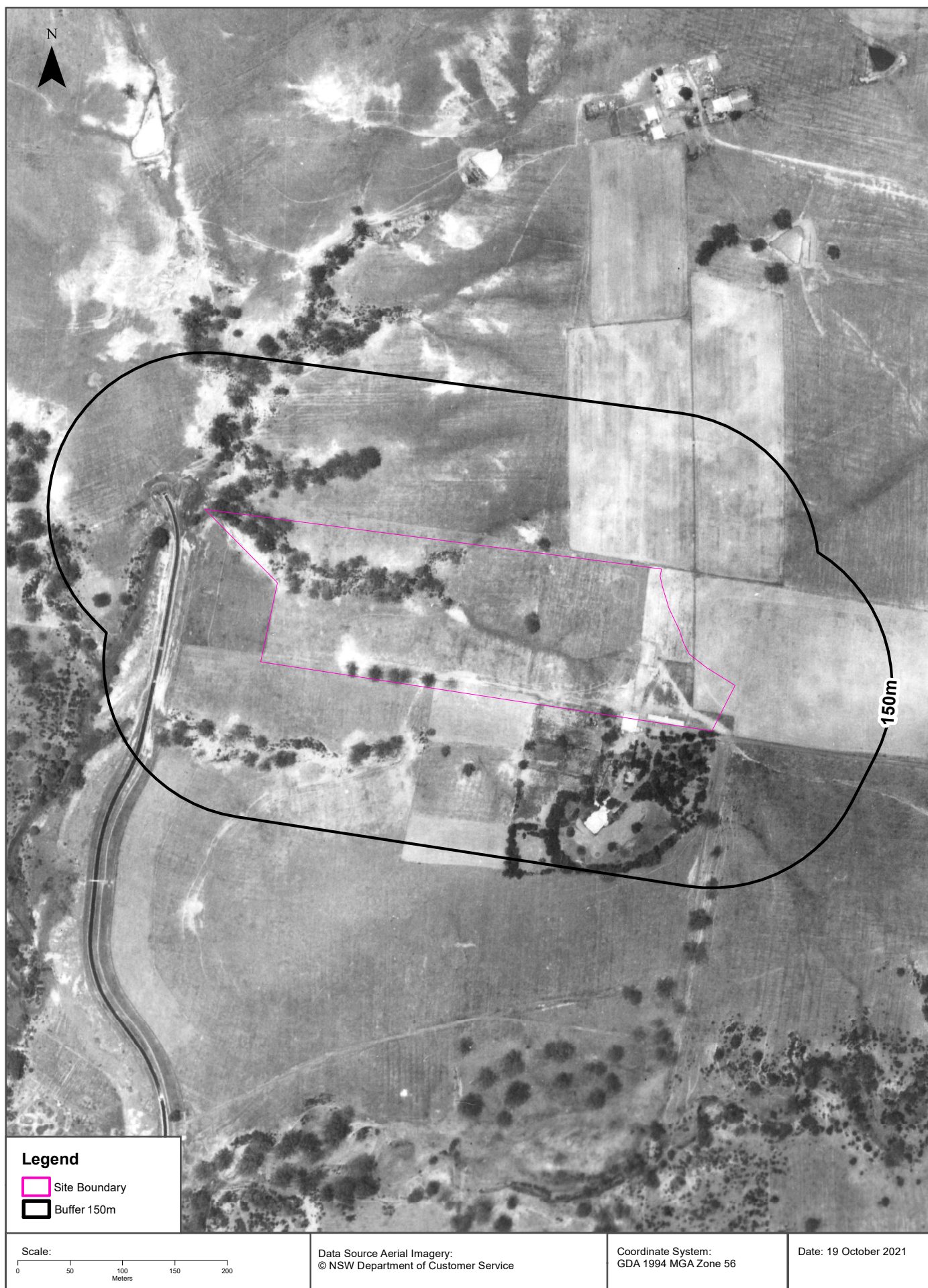
 Site Boundary

 Buffer 150m

<p>Scale:</p> <p>0 50 100 150 200</p> <p>Meters</p>	<p>Data Source Aerial Imagery: © NSW Department of Customer Service</p>	<p>Coordinate System: GDA 1994 MGA Zone 56</p>	<p>Date: 19 October 2021</p>
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Aerial Imagery 1947

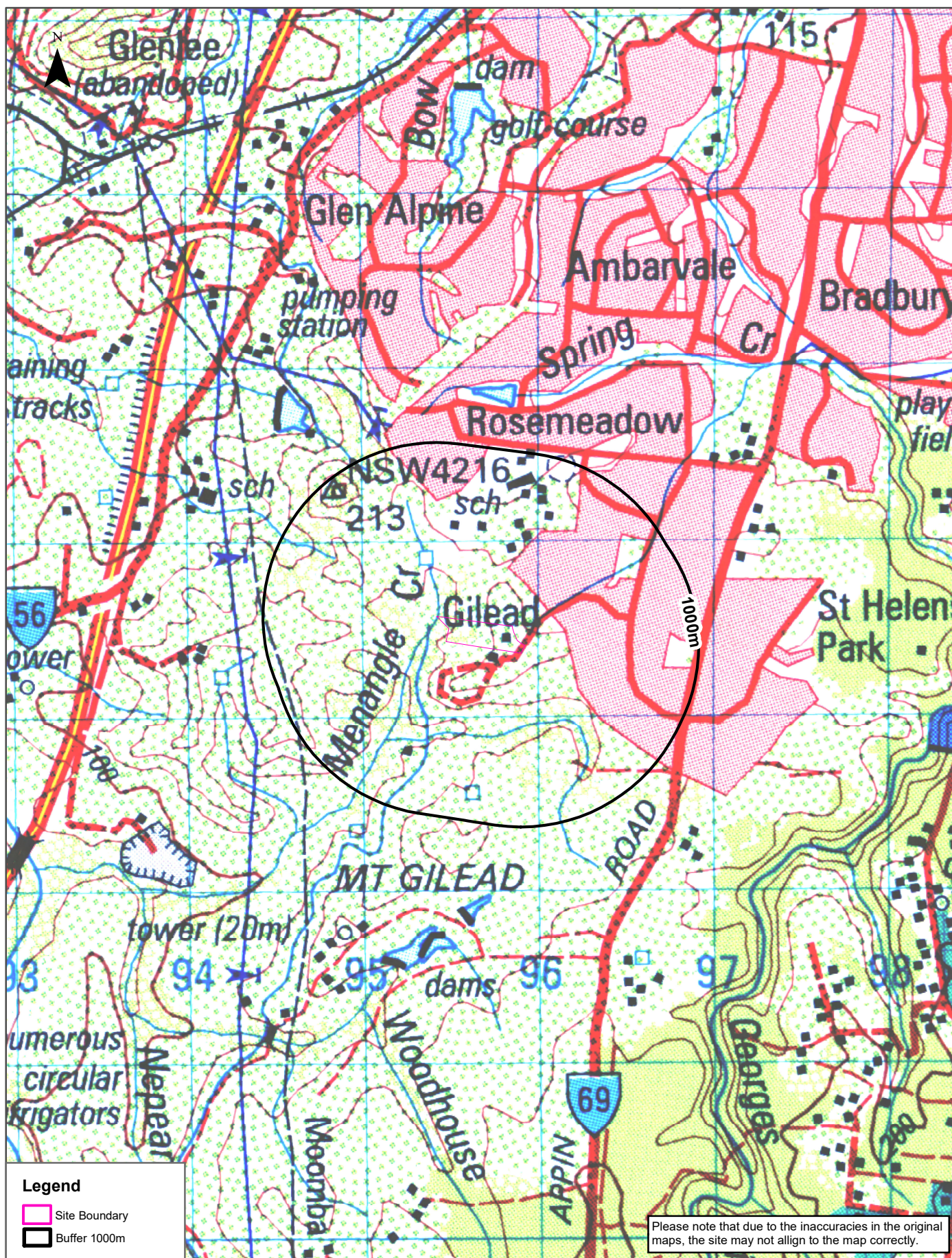
Glendower Street, Gilead, NSW 2560

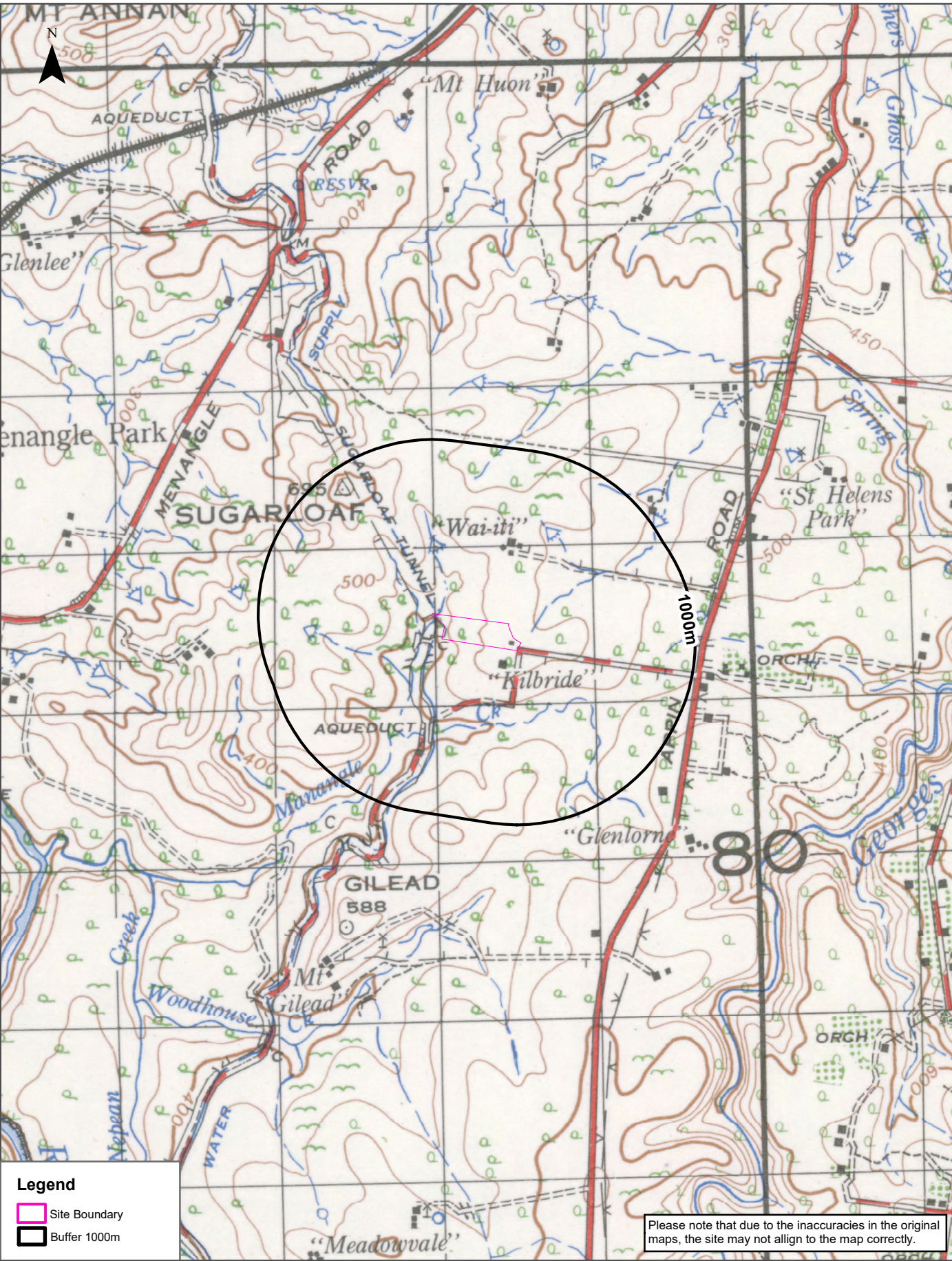




Historical Map 1998

Glendower Street, Gilead, NSW 2560

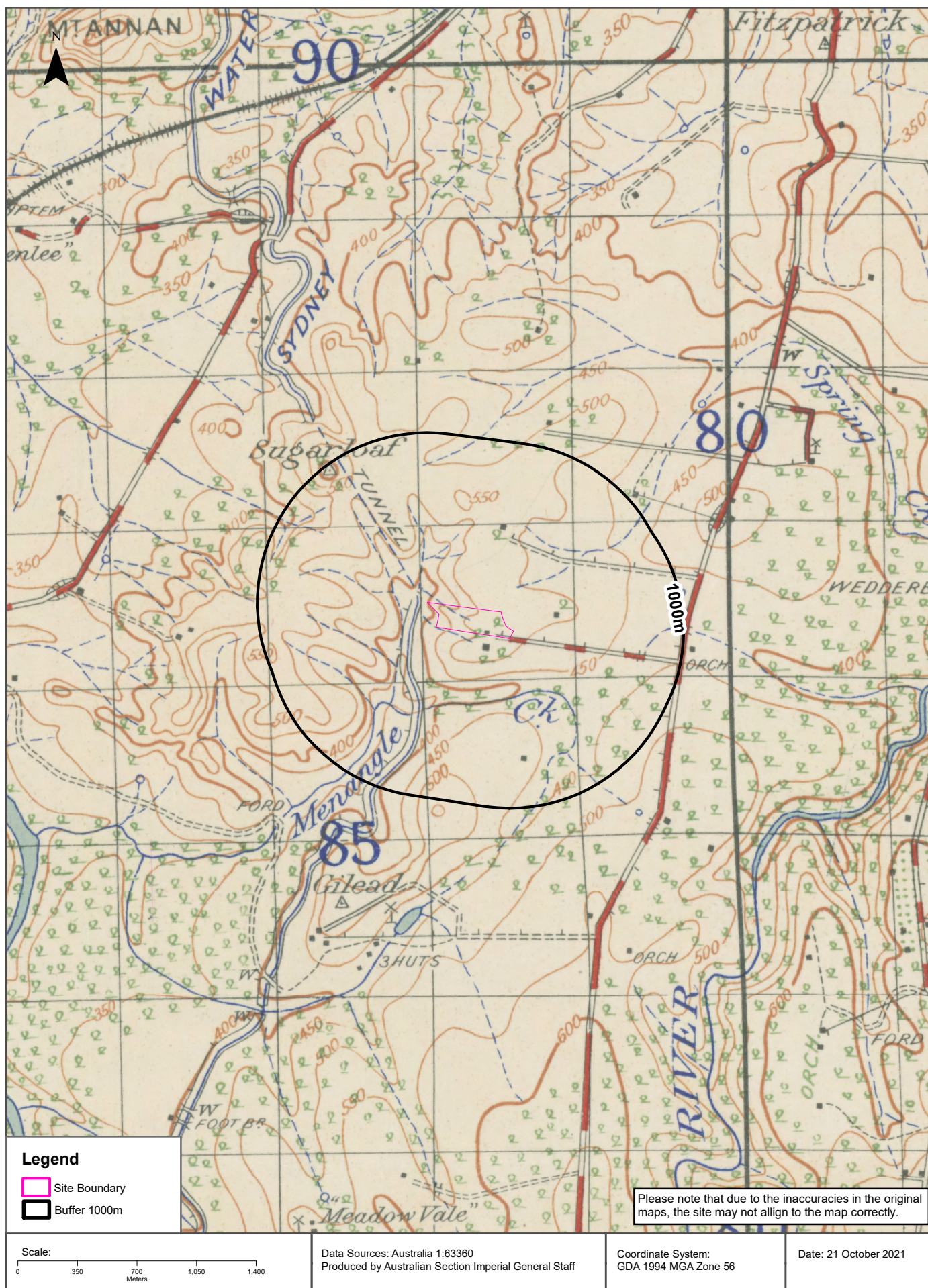




Scale: 0 350 700 1,050 1,400 Meters	Data Sources: Australia 1:63360 Produced by Australian Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 56	Date: 21 October 2021
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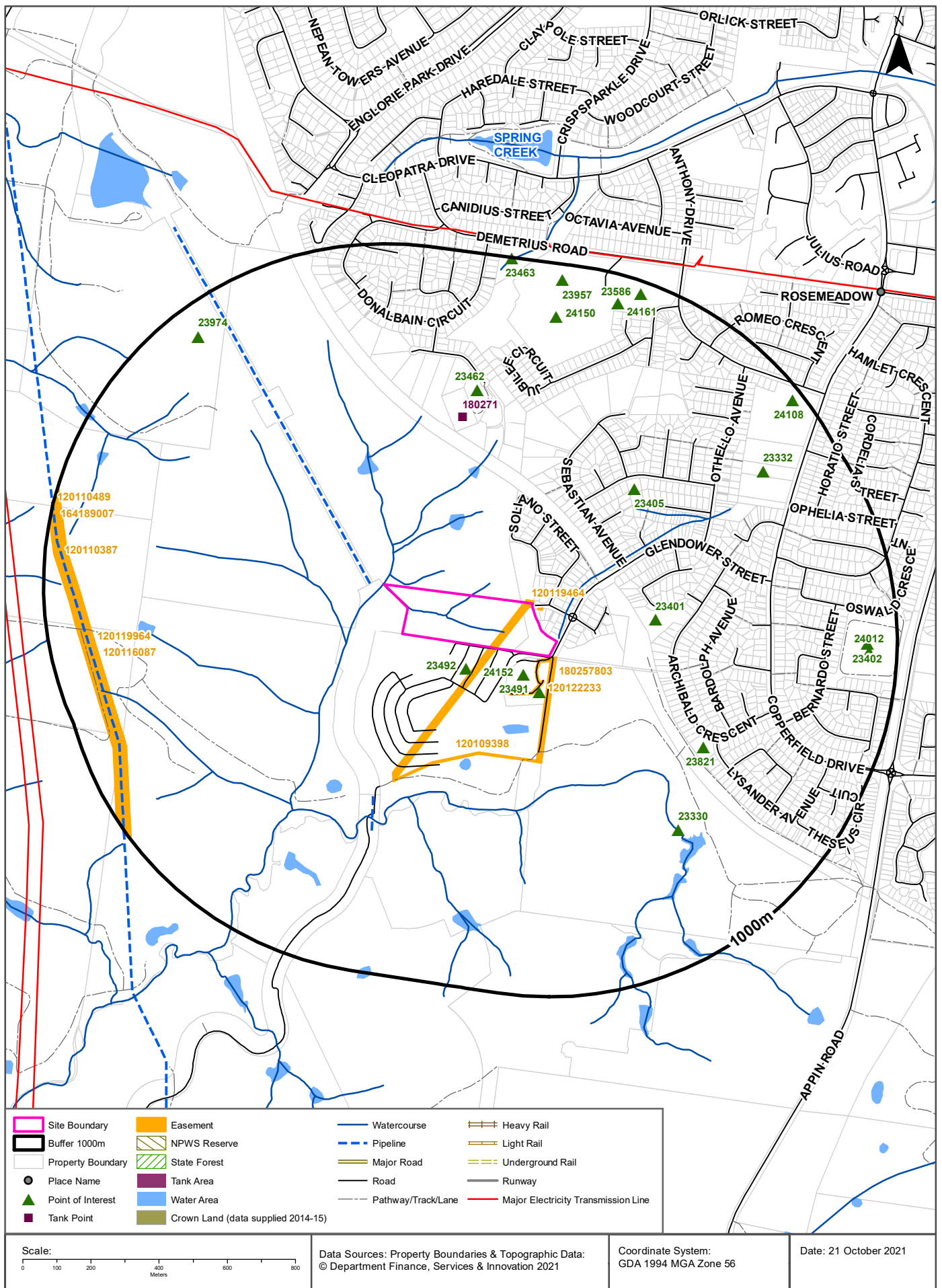
Historical Map c.1934

Glendower Street, Gilead, NSW 2560



Topographic Features

Glendower Street, Gilead, NSW 2560



Topographic Features

Glendower Street, Gilead, NSW 2560

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
24152	Nursing Home	ESTIA HEALTH KILBRIDE	64m	South East
23492	Retirement Village	MOUNT GILEAD ESTATE	71m	South
23491	Retirement Village	KILBRIDE VILLAGE	108m	South East
23401	Park	Park	297m	East
23405	Park	Park	450m	North East
23821	Park	GABUN GUJAJA RESERVE	525m	South East
23462	Park	GRECO RESERVE	600m	North
23330	Park	NOORUMBA RESERVE	635m	South East
23332	Park	HAYDON PARK	779m	North East
24150	High School	JOHN TERRY CATHOLIC COLLEGE	843m	North
23974	Mountain Like	MENANGLE SUGARLOAF	909m	North West
23402	Sports Field	OSWALD RESERVE	912m	East
24161	Sports Court	JACK CRAWFORD COURTS	915m	North East
24012	Athletics Track	Athletics Track	917m	East
23957	Primary School	OUR LADY HELP OF CHRISTIANS CATHOLIC PRIMARY SCHOOL	953m	North
23586	Sports Field	OVAL	962m	North East
24108	Primary School	ROSEMEADOW PUBLIC SCHOOL	968m	North East
23463	Park	DEMETRIUS RESERVE	997m	North

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

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Topographic Features

Glendower Street, Gilead, NSW 2560

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?

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

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

Tanks (Points)

What are the Tank Points located within the dataset buffer?

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

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
180271	Water	Operational		20/09/2000	519m	North

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

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Major Easements

What Major Easements exist within the dataset buffer?

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

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120119464	Primary	Electricity		0m	On-site
120122233	Primary	Undefined		3m	South East
180257803	Primary	Right of way		6m	South East
120109398	Primary	Undefined		307m	South
120116087	Primary	Undefined		862m	West
120119964	Primary	Undefined		862m	West
120110387	Primary	Undefined		882m	West
164189007	Primary	Gas	10m	892m	West
120110489	Primary	Undefined		996m	West

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

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Topographic Features

Glendower Street, Gilead, NSW 2560

State Forest

What State Forest exist within the dataset buffer?

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

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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National Parks and Wildlife Service Reserves

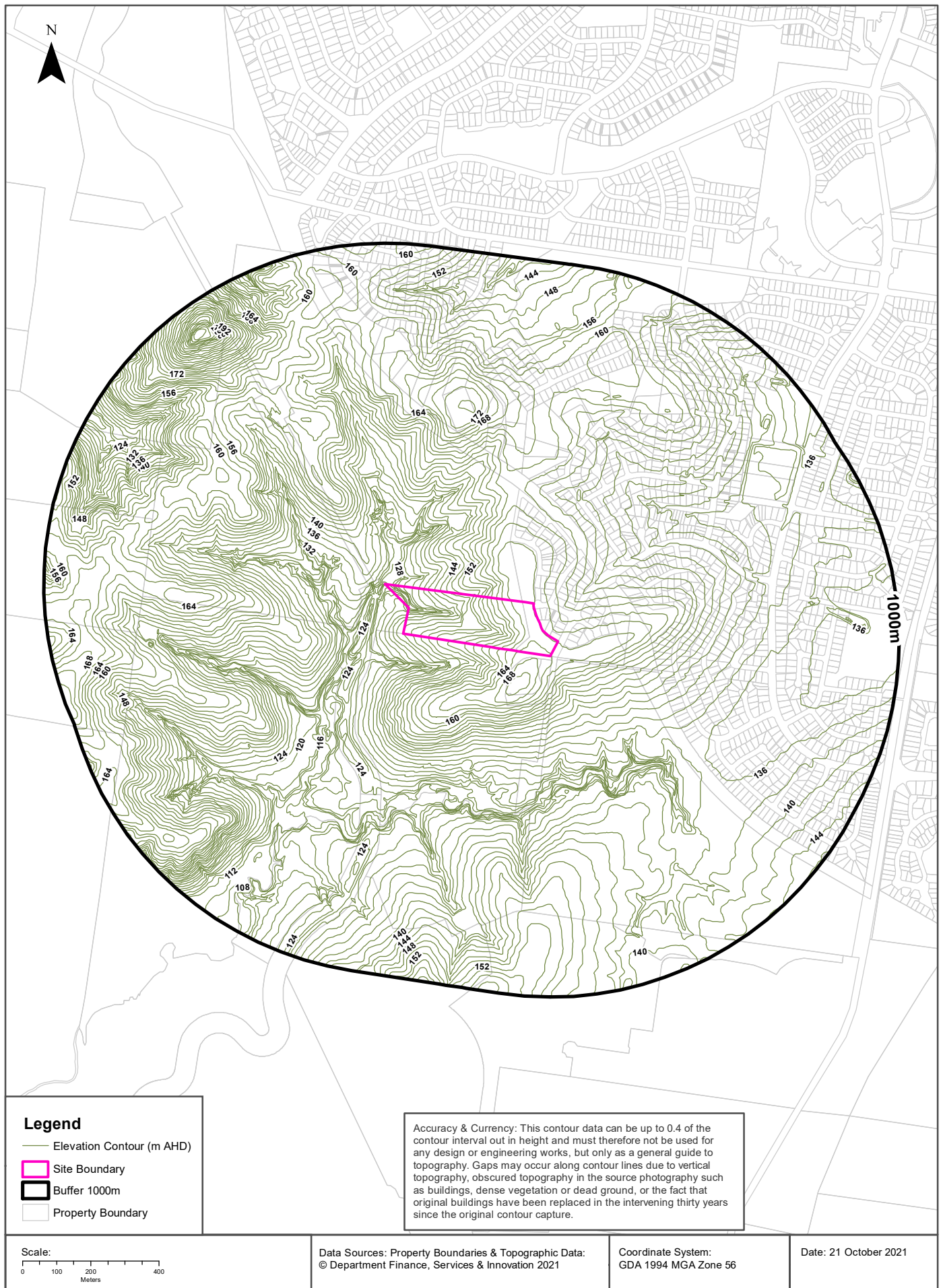
What NPWS Reserves exist within the dataset buffer?

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

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

Glendower Street, Gilead, NSW 2560



Hydrogeology & Groundwater

Glendower Street, Gilead, NSW 2560

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)

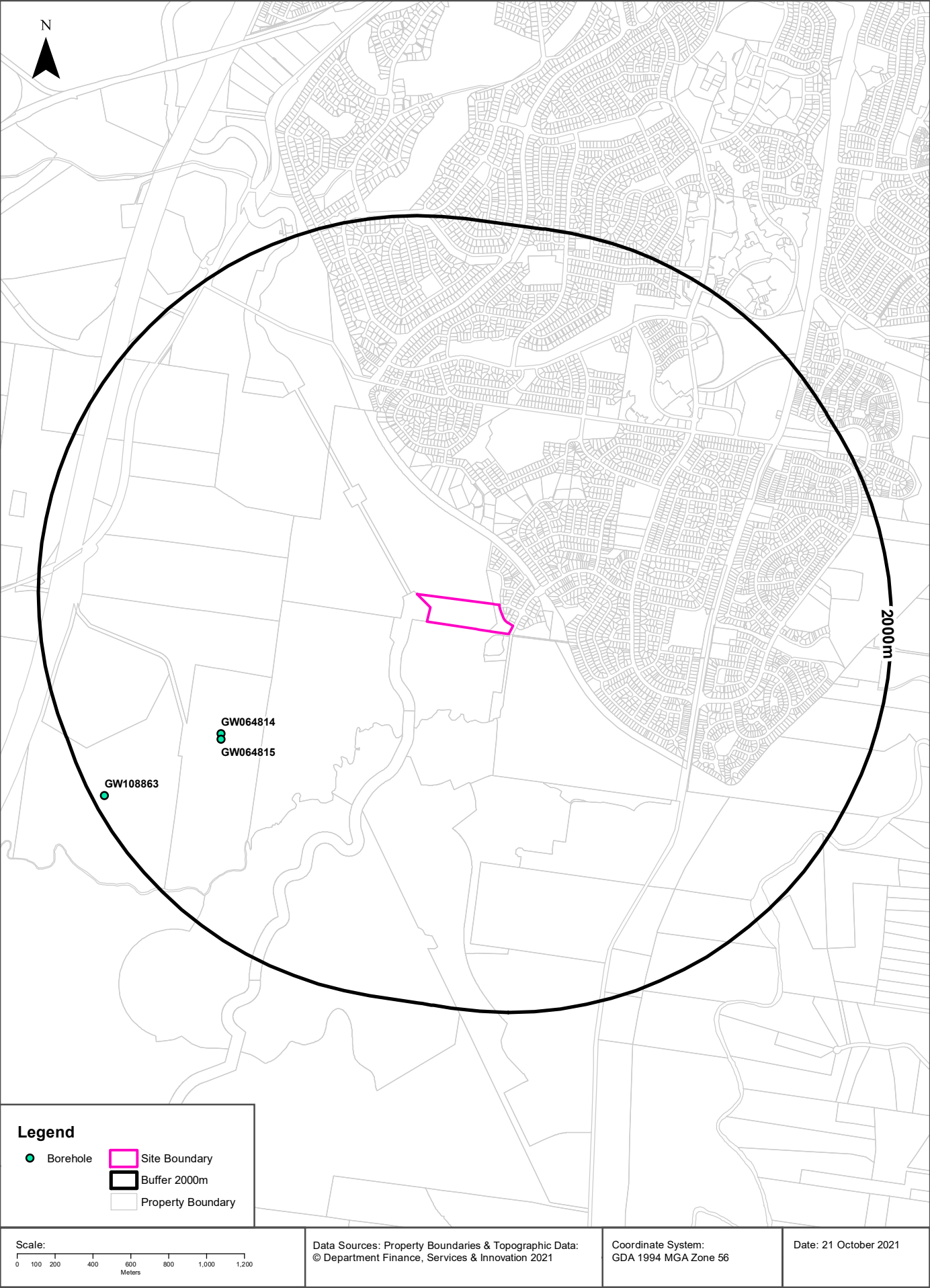
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

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

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

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



Hydrogeology & Groundwater

Glendower Street, Gilead, NSW 2560

Groundwater Boreholes

Boreholes within the dataset buffer:

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW064 814		Bore	Private		Domestic, Stock		01/01/1985	48.00						1238m	South West
GW064 815		Bore	Private		Domestic, Stock		29/01/1985	64.00		S.Brack ish				1253m	South West
GW108 863	10BL601 942, 10WA10 9497	Excav ation	Private	Industrial, Industrial - Sand & Gravel	Industrial, Industrial - Sand & Gravel		08/05/2008	20.00						1937m	South West

Borehole Data Source : NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation for all bores prefixed with GW. All other bores © Commonwealth of Australia (Bureau of Meteorology) 2015. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Hydrogeology & Groundwater

Glendower Street, Gilead, NSW 2560

Driller's Logs

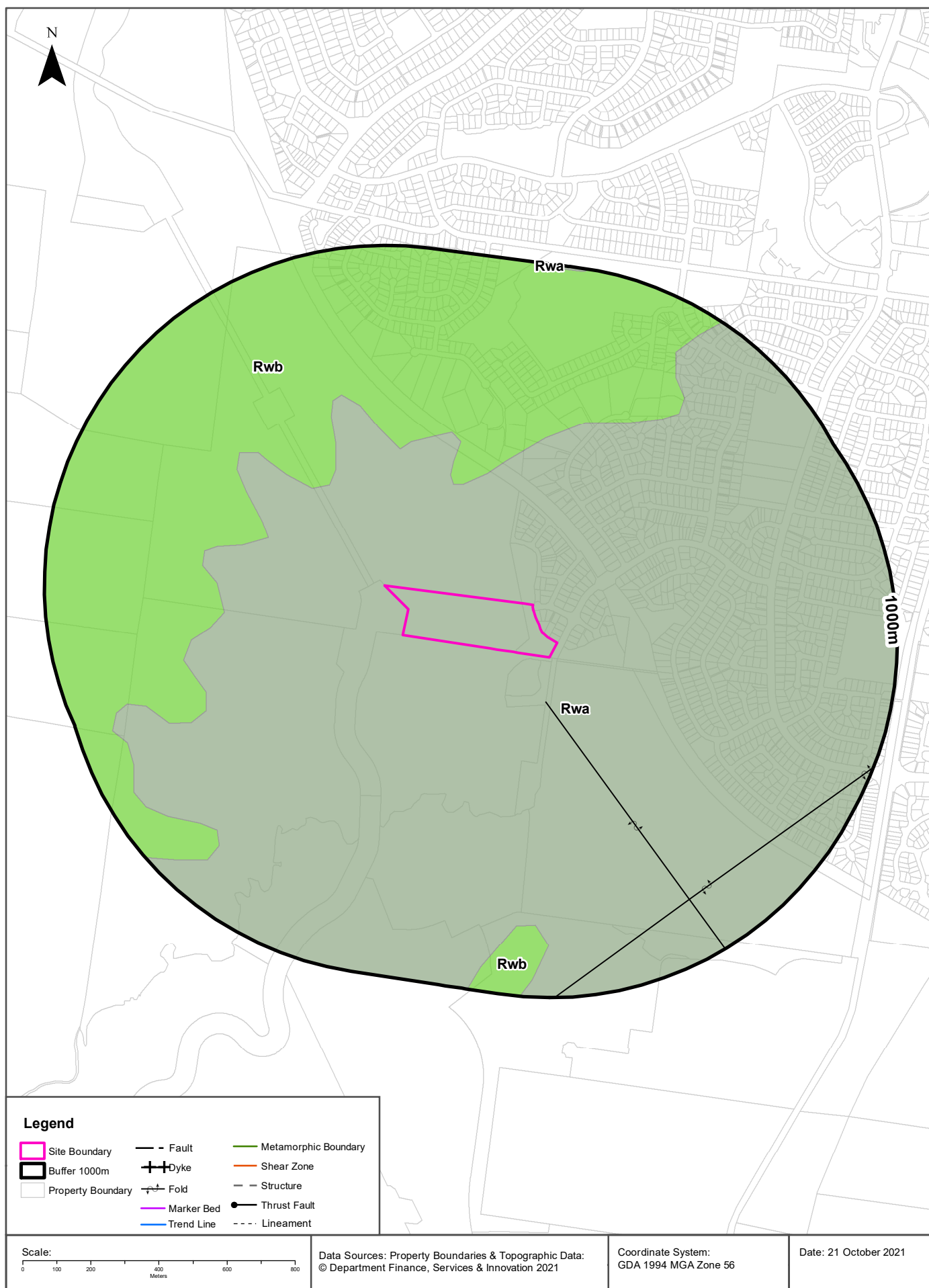
Drill log data relevant to the boreholes within the dataset buffer:

Groundwater No	Drillers Log	Distance	Direction
No related drill log data			

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp
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Geology

Glendower Street, Gilead, NSW 2560



Geology

Glendower Street, Gilead, NSW 2560

Geological Units 1:100,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dist	Dir
Rwa	laminite and dark-grey siltstone	Ashfield Shale	Wianamatta Group				Wollongong & Port Hacking	0m	On-site
Rwb	shale, carbonaceous claystone, laminite, fine to medium-grained lithic sandstone, rare coal and tuff	Bringelly Shale	Wianamatta Group				Wollongong & Port Hacking	321m	North West

Geological Structures 1:100,000

What are the Geological Structures within the dataset buffer?

Feature	Name	Description	Map Sheet	Distance	Direction
Fold	WORONORA ANTICLINE	Fold, position approximate	Wollongong & Port Hacking	131m	South East
Fold	SOUTH COAST WARP	Fold, position approximate	Wollongong & Port Hacking	817m	South East

Geological Data Source : NSW Department of Industry, Resources & Energy

© State of New South Wales through the NSW Department of Industry, Resources & Energy

Naturally Occurring Asbestos Potential

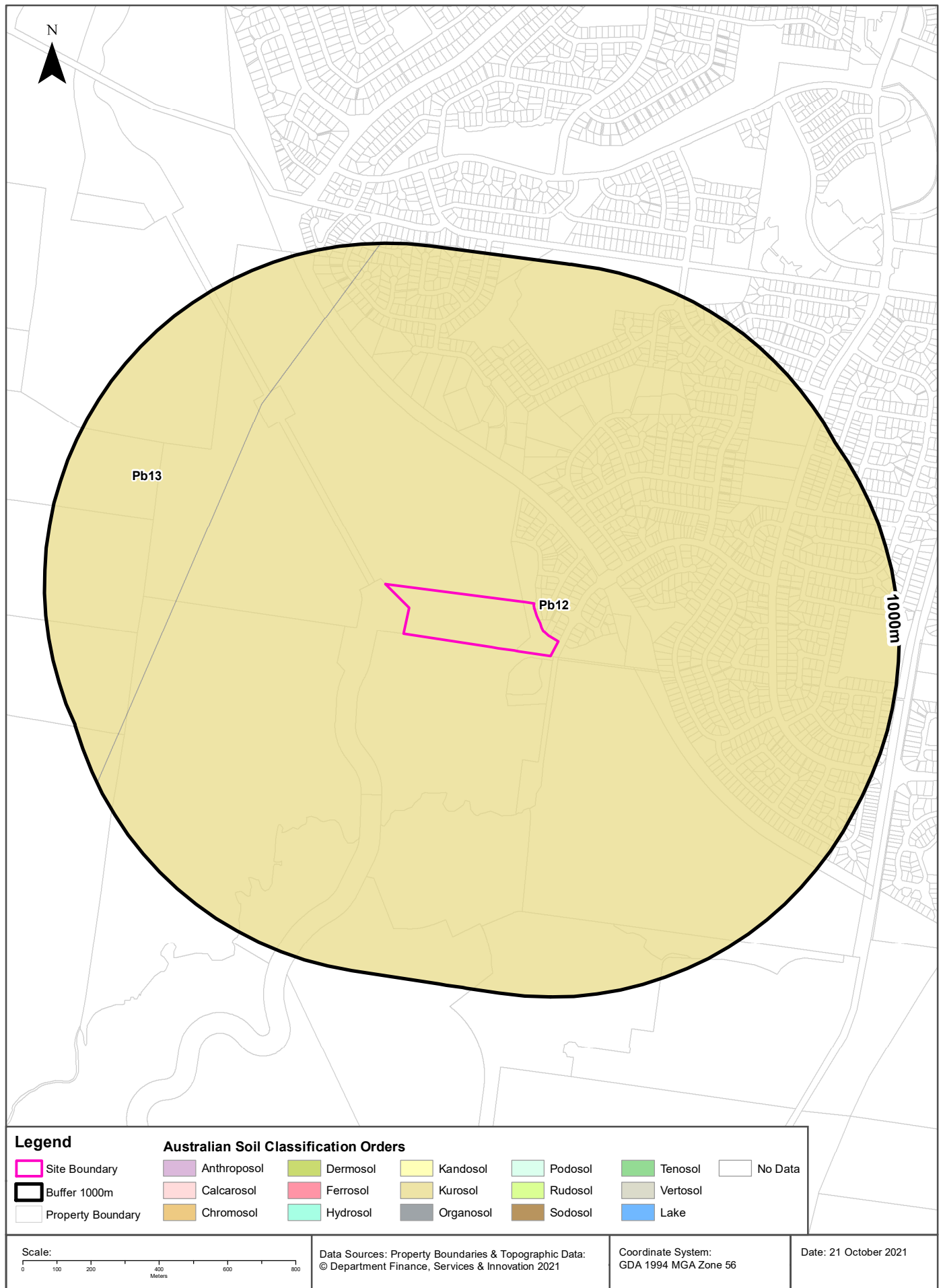
Glendower Street, Gilead, NSW 2560

Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

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

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



Soils

Glendower Street, Gilead, NSW 2560

Atlas of Australian Soils

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

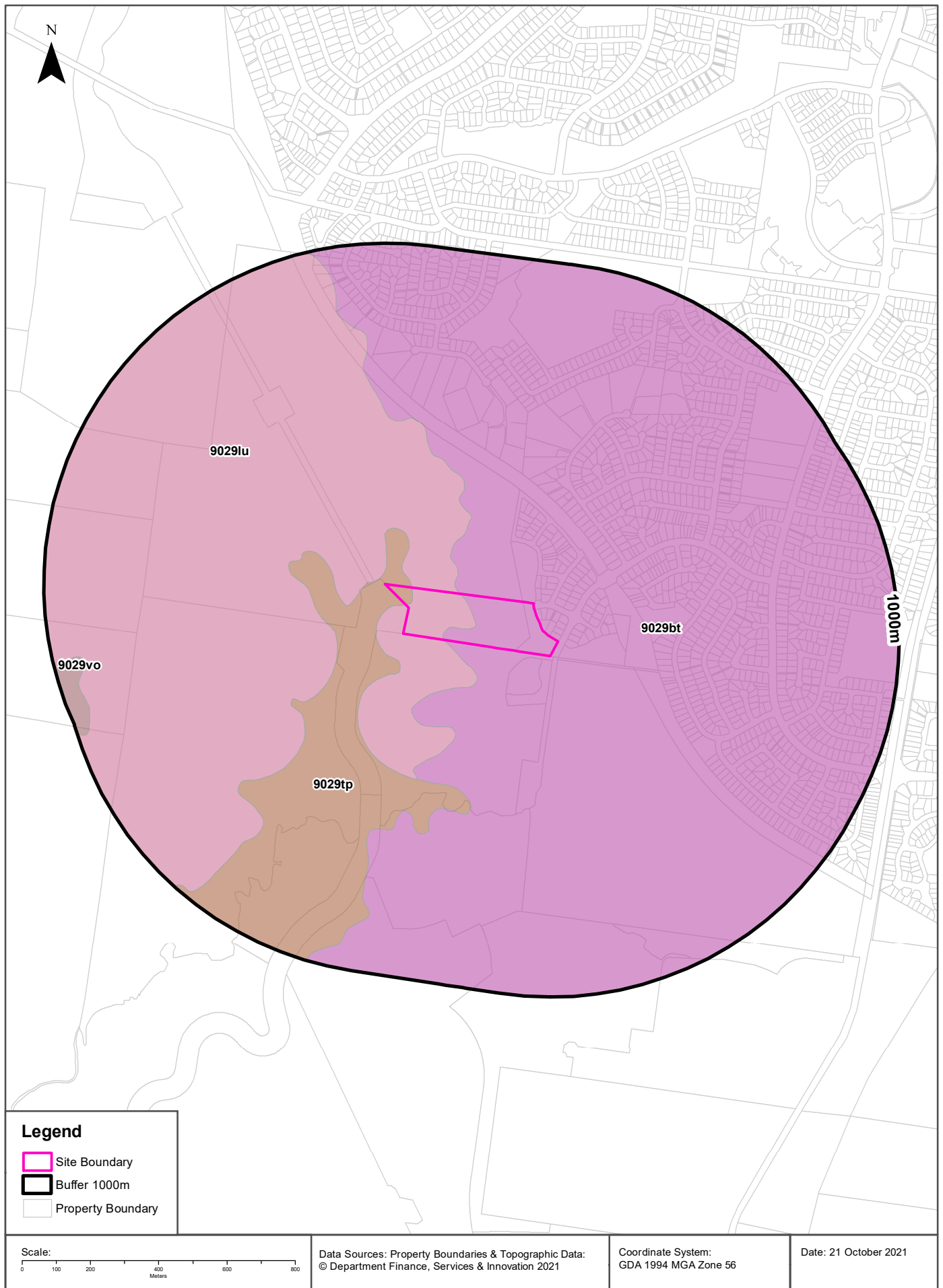
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Pb12	Kurosol	Gently rolling to rounded hilly country with some steep slopes and broad valleys: chief soils are hard acidic red soils (Dr2.21) with hard neutral and acidic yellow mottled soils (Dy3.42 and Dy3.41) on lower slopes and in valleys. Associated are small areas of various soils including (Gn3.54) on some ridges, (Dr3.31) on some slopes; (Dr2.23) in saddles and some mid-slope positions, and some low-lying swampy areas of (Uf6) soils and (Uc1.2) soils with peaty surfaces. Small areas of other soils such as (Db1.2) are likely throughout.	0m	On-site
Pb13	Kurosol	Ridge and valley country of gently undulating ridge tops and steep side slopes often with slumping, also rounded hilly to steep hilly areas and relatively narrow valleys: chief soils are hard acidic red soils (Dr2.21) with hard acidic yellow mottled soils (Dy3.41); in places some ironstone gravels occur in both these soils. Associated are hard neutral and alkaline red soils (Dr2.22 and Dr2.23) in saddles and some mid-slope positions; (Dy3.42 and Dy3.43) soils, usually in depressions; and small areas of undescribed soils in wet soaks and valley areas. Small areas of other soils are likely throughout.	545m	North West

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes of Central and Eastern NSW

Glendower Street, Gilead, NSW 2560



Soils

Glendower Street, Gilead, NSW 2560

Soil Landscapes of Central and Eastern NSW

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

Soil Code	Name	Distance	Direction
9029bt	Blacktown	0m	On-site
9029lu	Luddenham	0m	On-site
9029tp	Theresa Park	0m	On-site
9029vo	Volcanic	913m	West

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

Glendower Street, Gilead, NSW 2560

Environmental Planning Instrument - Acid Sulfate Soils

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

Soil Class	Description	EPI Name
N/A		

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

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Acid Sulfate Soils

Glendower Street, Gilead, NSW 2560

Atlas of Australian Acid Sulfate Soils

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

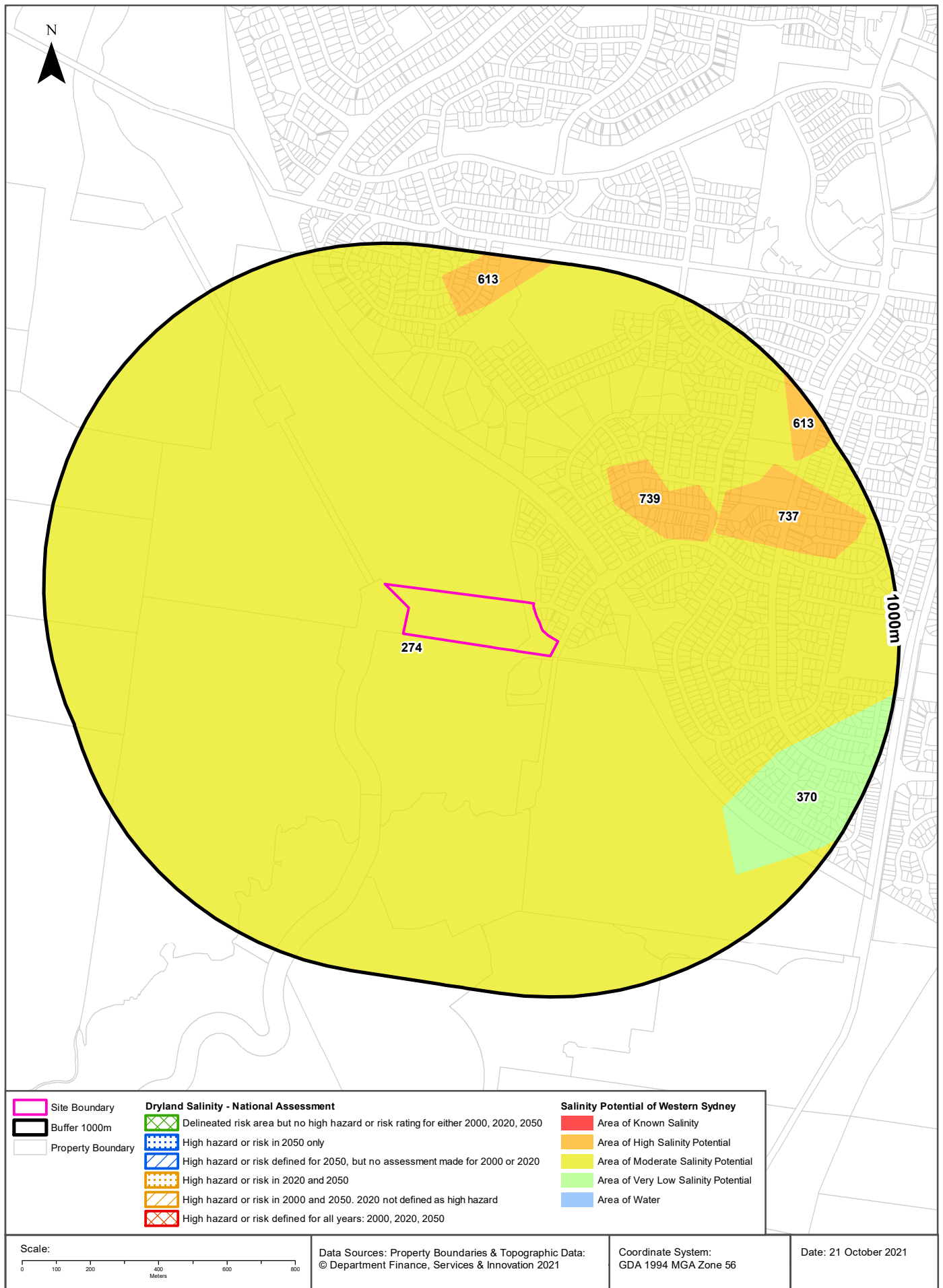
Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

Glendower Street, Gilead, NSW 2560



Dryland Salinity

Glendower Street, Gilead, NSW 2560

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

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

No

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A		

Dryland Salinity Data Source : National Land and Water Resources Audit

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

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

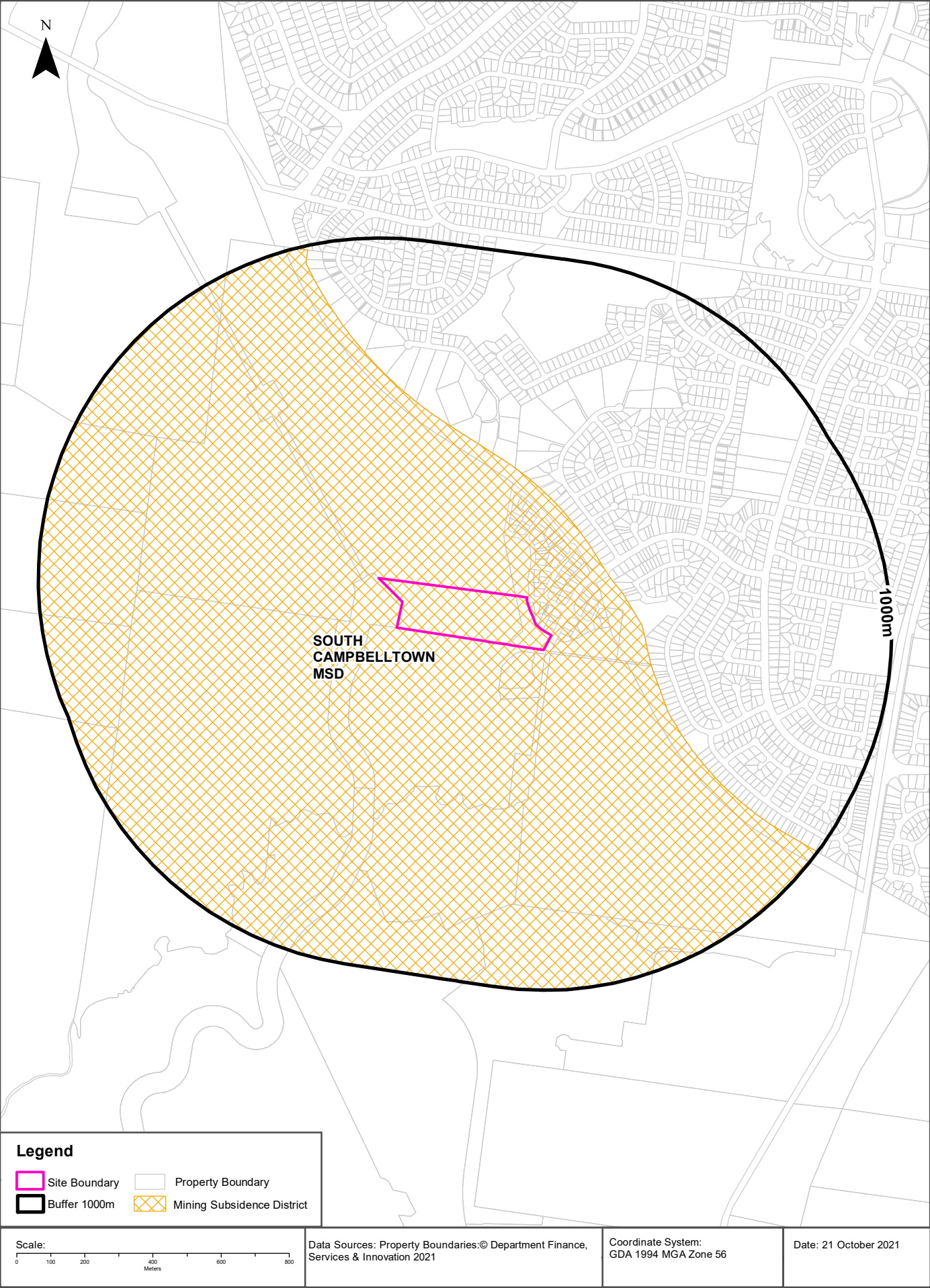
Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
274	MODERATE	Area of Moderate Salinity Potential	0m	On-site
739	HIGH	Area of High Salinity Potential	374m	North East
737	HIGH	Area of High Salinity Potential	561m	East
370	LOW	Area of Very Low Salinity Potential	670m	South East
613	HIGH	Area of High Salinity Potential	808m	North

Dryland Salinity Potential of Western Sydney Data Source : NSW Office of Environment and Heritage

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Mining

Glendower Street, Gilead, NSW 2560

Mining Subsidence Districts

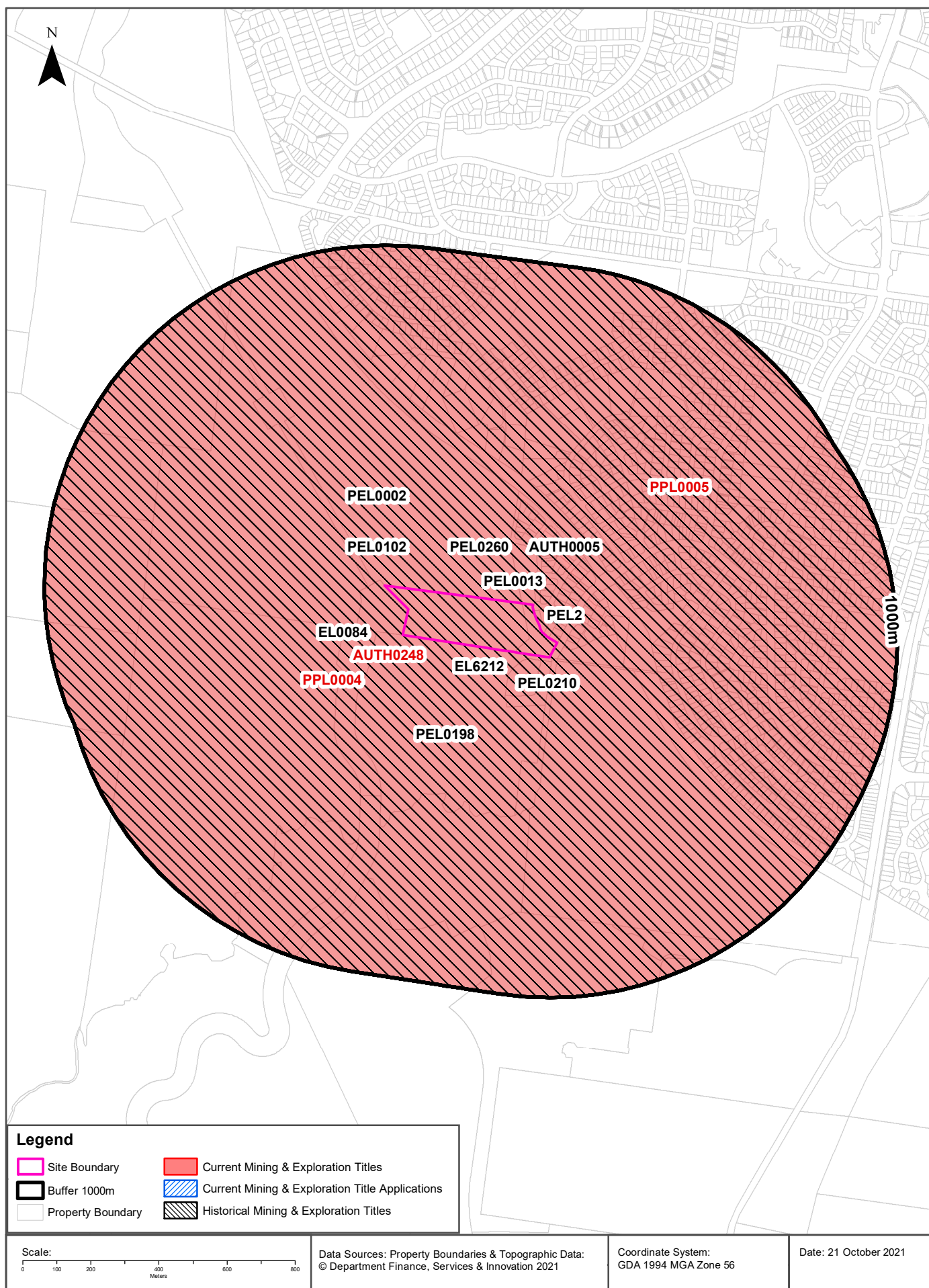
Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
SOUTH CAMPBELLTOWN	0m	On-site

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

Glendower Street, Gilead, NSW 2560



Mining

Glendower Street, Gilead, NSW 2560

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
PPL0004	AGL UPSTREAM INVESTMENT S PTY LIMITED	06/10/2004	05/10/2025	06 Oct 2004	MINING	PETROLEUM	Petroleum	0m	On-site
AUTH0248	ILLAWARRA COAL HOLDINGS PTY LTD	13/05/1981	13/05/2021	Renewal Sought	EXPLORING	COAL	Group 9	0m	On-site
PPL0005	AGL UPSTREAM INVESTMENT S PTY LIMITED	28/02/2007	27/02/2028	28 Feb 2007	MINING	PETROLEUM	Petroleum	149m	North East

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

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

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

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

Mining

Glendower Street, Gilead, NSW 2560

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
EL0084	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	01 Feb 1967	01 Feb 1968	MINERALS		0m	On-site
AUTH0005	AUSTRALIAN IRON AND STEEL PTY LTD	17 Jul 1972	17 Jul 1977	COAL	Coal	0m	On-site
PEL0260	NORTH BULLI COLLIERIES PTY LTD, AGL PETROLEUM OPERATIONS PTY LTD, THE AUSTRALIAN GAS LIGHT CO.	9/09/1981	8/03/1993	PETROLEUM	Petroleum	0m	On-site
EL6212	HOT ROCK ENERGY PTY LTD, LONGREACH OIL LIMITED	4 Mar 2004	3 Mar 2013	MINERALS	Geothermal	0m	On-site
PEL0002	AGL UPSTREAM INVESTMENTS PTY LIMITED	29/03/1993	6/07/2015	PETROLEUM	Petroleum	0m	On-site
PEL0013	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
PEL2	AGL UPSTREAM INVESTMENTS PTY LIMITED			MINERALS		0m	On-site
PEL0102	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
PEL0198	JOHN STREVS (TERRIGAL) NL			PETROLEUM	Petroleum	0m	On-site
PEL0210	THE AUSTRALIAN GAS LIGHT COMPANY (AGL), NORTH BULLI COLLIERIES PTY LTD			PETROLEUM	Petroleum	0m	On-site

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

State Environmental Planning Policy

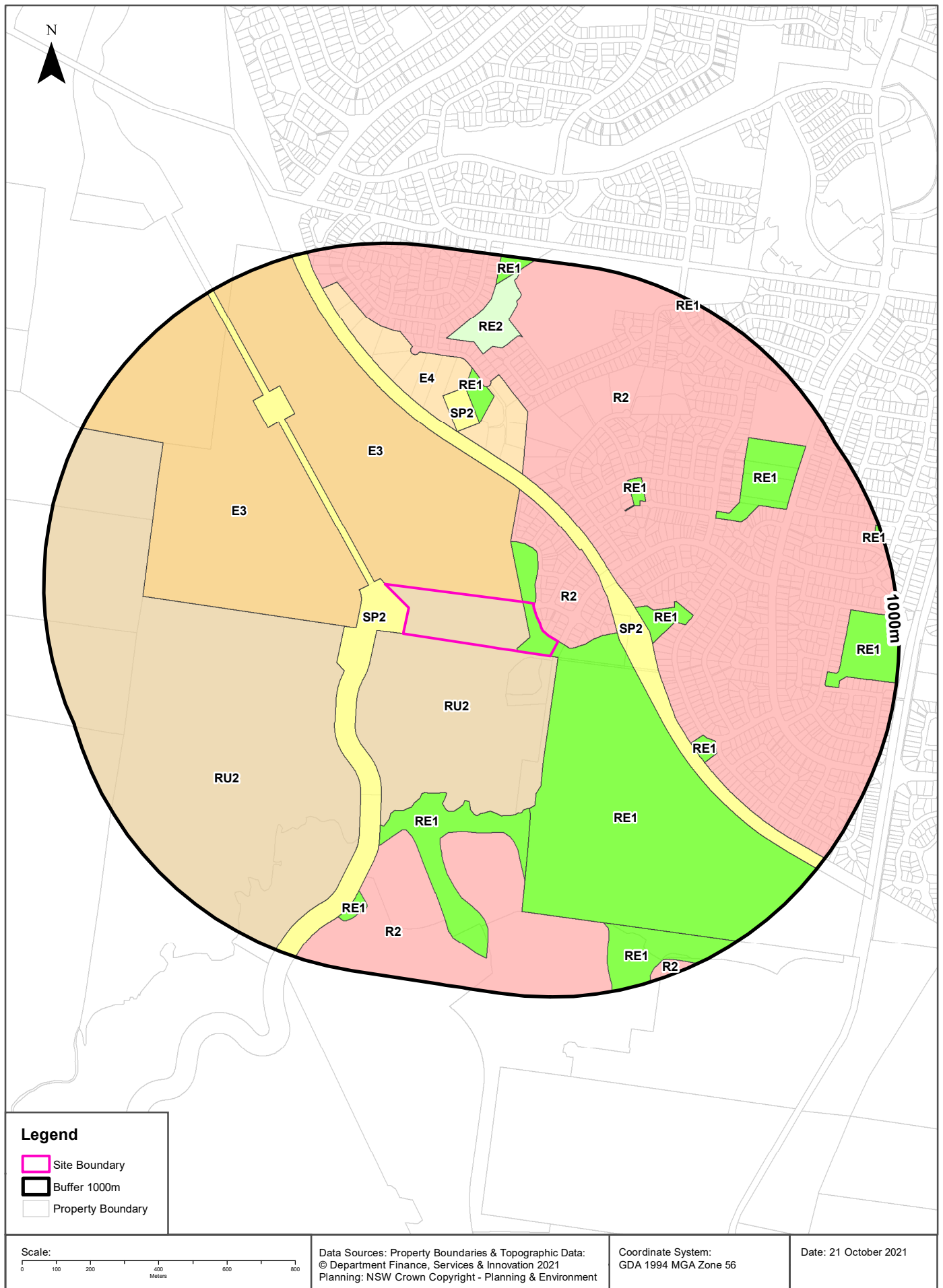
Glendower Street, Gilead, NSW 2560

State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

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

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

Glendower Street, Gilead, NSW 2560

Land Zoning

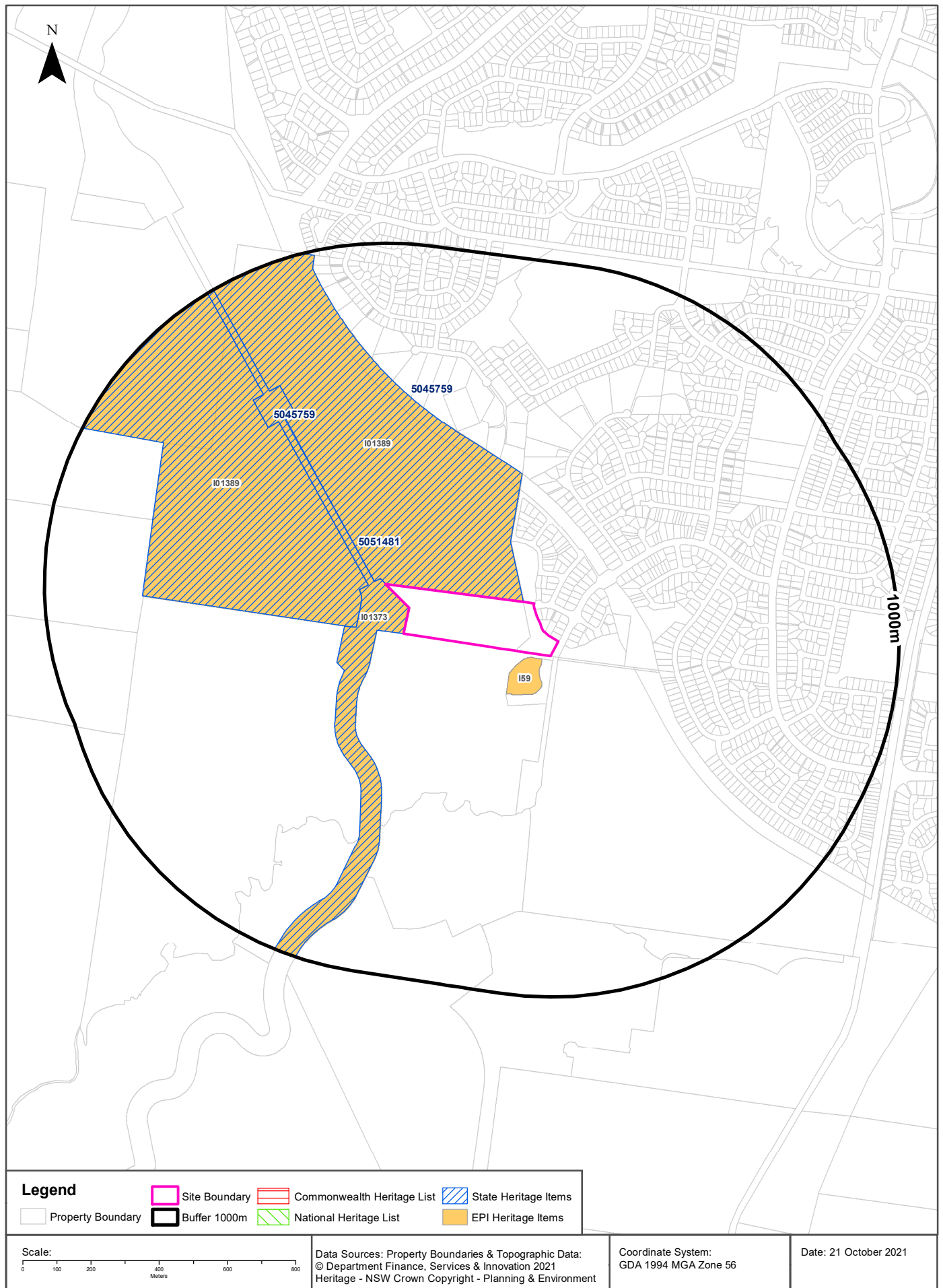
What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RU2	Rural Landscape		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		0m	On-site
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		0m	On-site
SP2	Infrastructure	Electricity Substation	Campbelltown Local Environmental Plan 2015	17/11/2017	17/11/2017	16/07/2021	Amendment No 3	0m	South West
R2	Low Density Residential		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		0m	North East
E3	Environmental Management		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		0m	North West
E3	Environmental Management		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		50m	North West
RU2	Rural Landscape		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		172m	West
SP2	Infrastructure	Road	Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		173m	North East
R2	Low Density Residential		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		237m	North East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		245m	East
E4	Environmental Living		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		372m	North
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		381m	North East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	08/09/2017	08/09/2017	16/07/2021	Amendment No 2	442m	South
SP2	Infrastructure	Water Supply System	Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		470m	North
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		482m	South East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		504m	North
R2	Low Density Residential		Campbelltown Local Environmental Plan 2015	08/09/2017	08/09/2017	16/07/2021	Amendment No 2	532m	South
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		587m	North East
RE2	Private Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		706m	North
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	08/09/2017	08/09/2017	16/07/2021	Amendment No 2	764m	South West
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		790m	East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	08/09/2017	08/09/2017	16/07/2021	Amendment No 2	796m	South East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		914m	North
R2	Low Density Residential		Campbelltown Local Environmental Plan 2015	08/09/2017	08/09/2017	16/07/2021	Amendment No 2	950m	South East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		973m	East
RE1	Public Recreation		Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021		977m	North East

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Heritage Items

Glendower Street, Gilead, NSW 2560



Heritage

Glendower Street, Gilead, NSW 2560

Commonwealth Heritage List

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

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

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

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

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

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

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

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

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5051481	Upper Canal System (Pheasants Nest Weir to Prospect Reservoir)	Prospect	LIVERPOOL	18/11/1999	01373	2333	0m	On-site
5045759	Sugarloaf Farm	Menangle Road, Gilead	CAMPBELLTOWN	02/04/1999	01389	2264	0m	North West
5045759	Sugarloaf Farm	Menangle Road, Gilead	CAMPBELLTOWN	02/04/1999	01389	2264	50m	North West

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Environmental Planning Instrument - Heritage

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

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I01389	Sugarloaf Farm, homestead group and rural landscape setting	Item - General	State	Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021	0m	On-site

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I01373	Upper Canal System (Pheasants Nest Weir to Prospect Reservoir)	Item - General	State	Campbelltown Local Environmental Plan 2015	17/11/2017	17/11/2017	16/07/2021	0m	On-site
I59	Kilbride	Item - General	Local	Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021	12m	South East
I01389	Sugarloaf Farm, homestead group and rural landscape setting	Item - General	State	Campbelltown Local Environmental Plan 2015	11/12/2015	11/03/2016	16/07/2021	50m	North West

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Natural Hazards - Bush Fire Prone Land

Glendower Street, Gilead, NSW 2560



Natural Hazards

Glendower Street, Gilead, NSW 2560

Bush Fire Prone Land

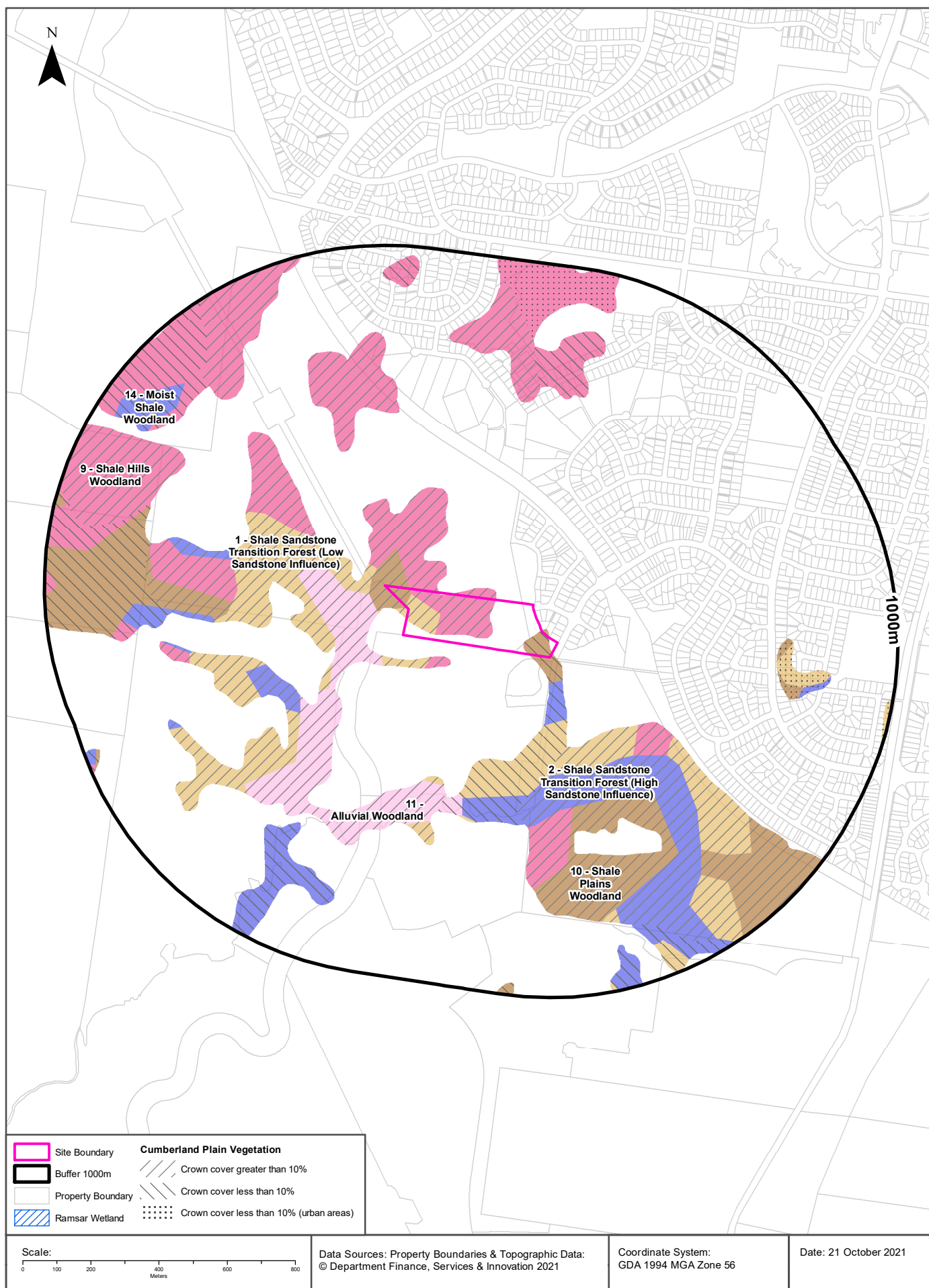
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Category 1	0m	On-site
Vegetation Category 3	0m	On-site
Vegetation Buffer	0m	On-site
Vegetation Category 2	70m	South West

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

Ecological Constraints - Vegetation & Ramsar Wetlands

Glendower Street, Gilead, NSW 2560



Ecological Constraints

Glendower Street, Gilead, NSW 2560

Remnant Vegetation of the Cumberland Plain

What remnant vegetation of the Cumberland Plain exists within the dataset buffer?

Description	Crown Cover	Distance	Direction
10 - Shale Plains Woodland	Crown cover less than 10%	0m	On-site
1 - Shale Sandstone Transition Forest (Low Sandstone Influence)	Crown cover greater than 10%	0m	On-site
9 - Shale Hills Woodland	Crown cover greater than 10%	0m	On-site
10 - Shale Plains Woodland	Crown cover greater than 10%	0m	On-site
9 - Shale Hills Woodland	Crown cover less than 10%	0m	On-site
11 - Alluvial Woodland	Crown cover greater than 10%	55m	South West
14 - Moist Shale Woodland	Crown cover less than 10%	73m	South East
1 - Shale Sandstone Transition Forest (Low Sandstone Influence)	Crown cover less than 10%	188m	South
2 - Shale Sandstone Transition Forest (High Sandstone Influence)	Crown cover greater than 10%	344m	South East
2 - Shale Sandstone Transition Forest (High Sandstone Influence)	Crown cover less than 10%	372m	South
11 - Alluvial Woodland	Crown cover less than 10%	435m	South
14 - Moist Shale Woodland	Crown cover greater than 10%	455m	West
10 - Shale Plains Woodland	Crown cover less than 10% (urban areas)	643m	East
1 - Shale Sandstone Transition Forest (Low Sandstone Influence)	Crown cover less than 10% (urban areas)	644m	East
2 - Shale Sandstone Transition Forest (High Sandstone Influence)	Crown cover less than 10% (urban areas)	722m	East
9 - Shale Hills Woodland	Crown cover less than 10% (urban areas)	774m	North

Remnant Vegetation of the Cumberland Plain : NSW Office of Environment and Heritage

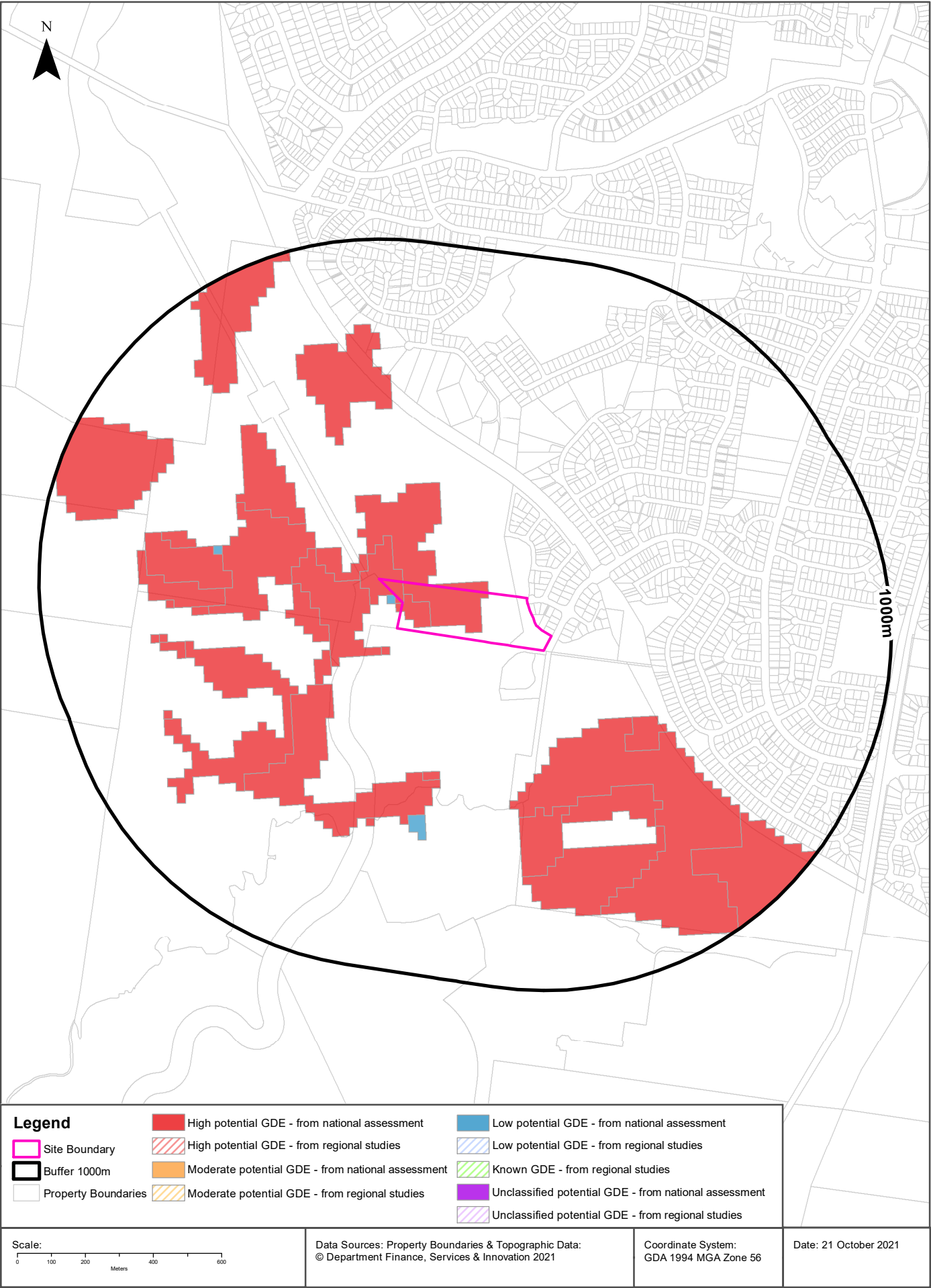
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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

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



Ecological Constraints

Glendower Street, Gilead, NSW 2560

Groundwater Dependent Ecosystems Atlas

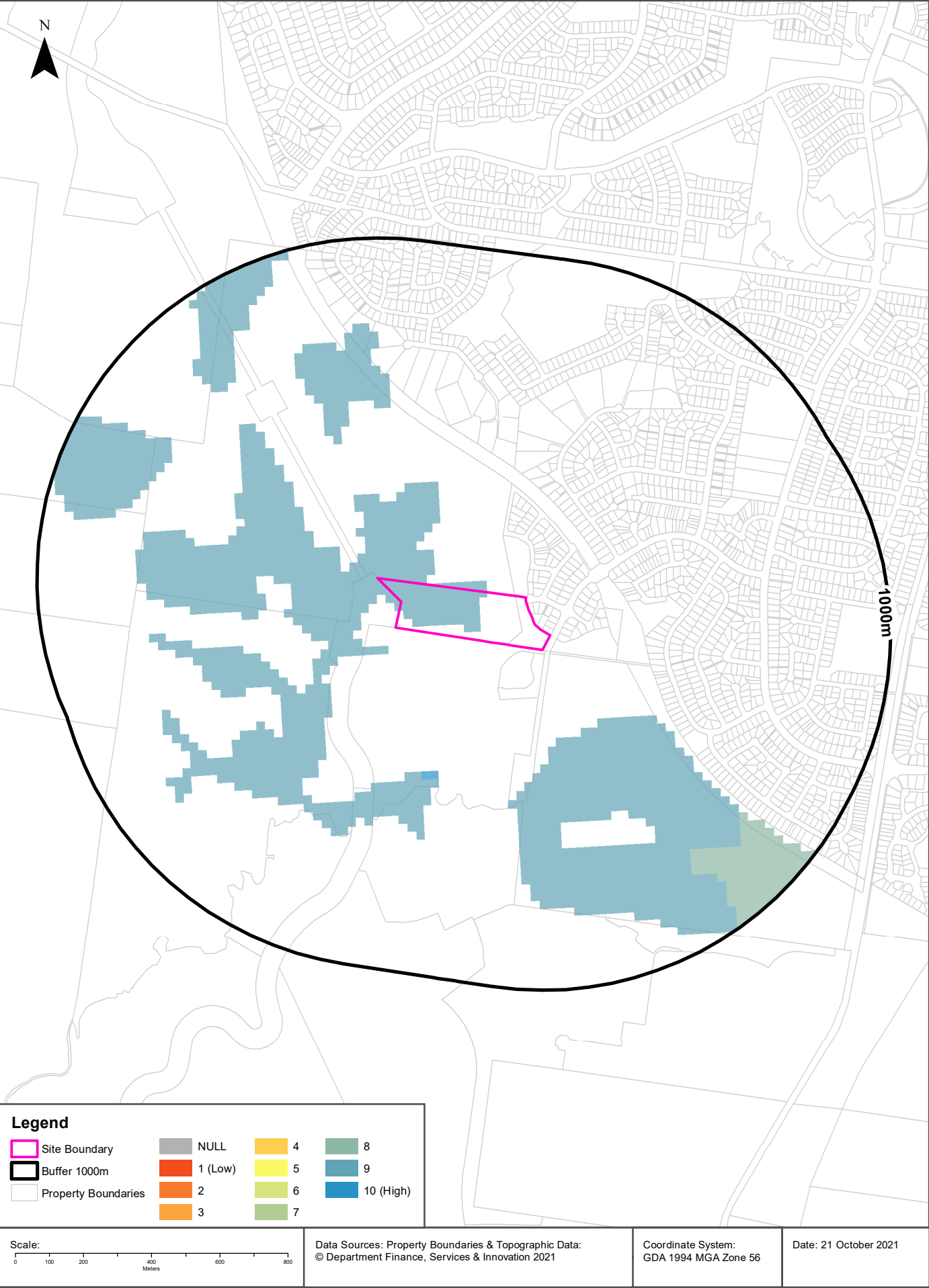
Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	High potential GDE - from national assessment	Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	0m	On-site
Terrestrial	High potential GDE - from national assessment	Undulating to low hilly country, mainly on shale.	Vegetation	Unconsolidated sedimentary	0m	On-site
Terrestrial	Low potential GDE - from national assessment	Undulating to low hilly country, mainly on shale.	Vegetation	Unconsolidated sedimentary	1m	West
Terrestrial	Low potential GDE - from national assessment	Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	467m	West

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology

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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

Glendower Street, Gilead, NSW 2560



Ecological Constraints

Glendower Street, Gilead, NSW 2560

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		9 Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	0m	On-site
Terrestrial		9 Undulating to low hilly country, mainly on shale.	Vegetation	Unconsolidated sedimentary	0m	On-site
Terrestrial		10 Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	396m	South
Terrestrial		8 Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	727m	South East

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

Glendower Street, Gilead, NSW 2560

NSW BioNet Atlas

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

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Heleioporus australiacus	Giant Burrowing Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	Litoria brevipalmata	Green-thighed Frog	Vulnerable	Not Sensitive	Not Listed	
Animalia	Amphibia	Litoria littlejohni	Littlejohn's Tree Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	Pseudophryne australis	Red-crowned Toadlet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Anseranas semipalmata	Magpie Goose	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris canutus	Red Knot	Not Listed	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathamii	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Chthonicola sagittata	Speckled Warbler	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Circus assimilis	Spotted Harrier	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Coracina lineata	Barred Cuckoo-shrike	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Cuculus optatus	Oriental Cuckoo	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Cyanoramphus novaezelandiae subflavescens	Red-crowned Parakeet (Lord Howe Is. subsp.)	Presumed Extinct	Not Sensitive	Extinct	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Dasyornis brachypterus	Eastern Bristlebird	Endangered	Category 2	Endangered	
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hirundo rustica	Barn Swallow	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	Endangered	Category 3	Vulnerable	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Thinornis cucullatus cucullatus	Eastern Hooded Dotterel	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Gastropoda	Meridolum corneovirens	Cumberland Plain Land Snail	Endangered	Not Sensitive	Not Listed	
Animalia	Gastropoda	Pommerhelix duralensis	Dural Land Snail	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petauroides volans	Greater Glider	Not Listed	Not Sensitive	Vulnerable	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascogale cinerea	Koala	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Phoniscus papuensis	Golden-tipped Bat	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Vespadelus troungtoni	Eastern Cave Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Hoplocephalus bungaroides	Broad-headed Snake	Endangered	Category 2	Vulnerable	
Animalia	Reptilia	Suta flagellum	Little Whip Snake	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Varanus rosenbergi	Rosenberg's Goanna	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia pubescens	Downy Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Clematis fawcettii	Northern Clematis	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Cynanchum elegans	White-flowered Wax Plant	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Eucalyptus benthamii	Camden White Gum	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus sp. Cattai		Critically Endangered	Not Sensitive	Critically Endangered	
Plantae	Flora	Genoplesium baueri	Bauer's Midge Orchid	Endangered	Category 2	Endangered	
Plantae	Flora	Grammitis stenophylla	Narrow-leaf Finger Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Grevillea parviflora subsp. parviflora	Small-flower Grevillea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Gyrostemon thesioides		Endangered	Category 3	Not Listed	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Isotoma fluviatilis subsp. fluviatilis		Not Listed	Not Sensitive	Extinct	
Plantae	Flora	Lepidium hyssopifolium	Aromatic Peppergrass	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Leucopogon exolasius	Woronora Beard-heath	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Marsdenia viridiflora subsp. viridiflora	Native Pear	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Melaleuca deanei	Deane's Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Persoonia bargoensis	Bargo Geebung	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Persoonia hirsuta	Hairy Geebung	Endangered	Category 3	Endangered	
Plantae	Flora	Pimelea spicata	Spiked Rice-flower	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Pomaderris adnata	Sublime Point Pomaderris	Endangered	Category 3	Not Listed	
Plantae	Flora	Pomaderris brunnea	Brown Pomaderris	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Prostanthera marifolia	Seaforth Mintbush	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	Pterostylis saxicola	Sydney Plains Greenhood	Endangered	Category 2	Endangered	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Pultenaea aristata	Prickly Bush-pea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Pultenaea pedunculata	Matted Bush-pea	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Thesium australe	Austral Toadflax	Vulnerable	Not Sensitive	Vulnerable	

Data does not include NSW category 1 sensitive species.

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

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

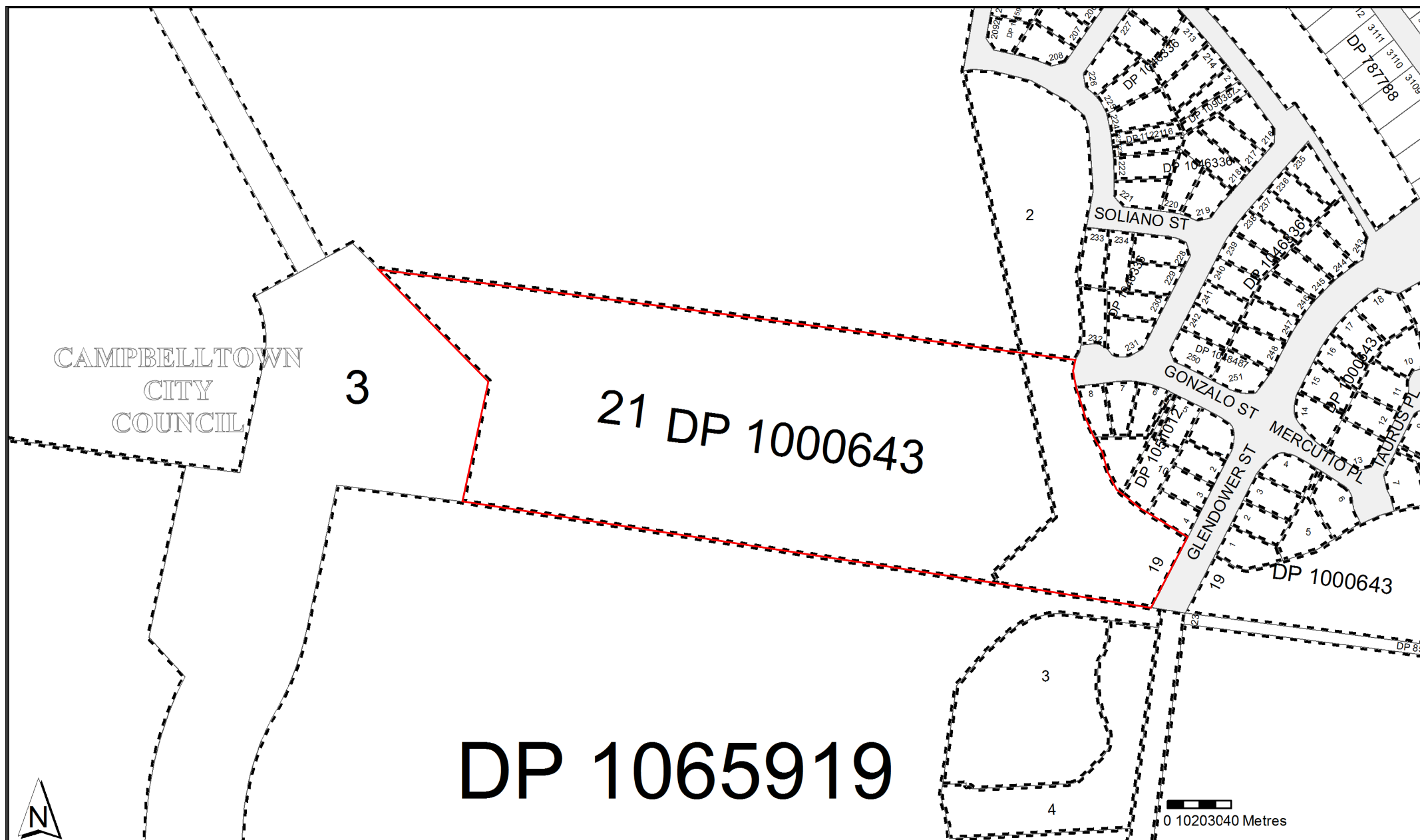
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 - (f) Lotsearch has not undertaken any physical inspection of the property;
 - (g) neither Lotsearch nor Third Party Content Suppliers warrants that all land uses or features whether past or current are identified in the Report;
 - (h) the Report does not include any information relating to the actual state or condition of the Property;
 - (i) the Report should not be used or taken to indicate or exclude actual fitness or unfitness of Land or Property for any particular purpose
 - (j) the Report should not be relied upon for determining saleability or value or making any other decisions in relation to the Property and in particular should not be taken to be a rating or assessment of the desirability or market value of the property or its features; and
 - (k) the End User should undertake its own inspections of the Land or Property to satisfy itself that there are no defects or failures
2. The End User may not make the Report or any copies or extracts of the report or any part of it available to any other person. If End User wishes to provide the Report to any other person or make extracts or copies of the Report, it must contact the purchaser of the Report before doing so to ensure the proposed use is consistent with the contract terms between Lotsearch and the purchaser.
3. Neither Lotsearch (nor any of its officers, employees or agents) nor any of its Third Party Content Suppliers will have any liability to End User or any person to whom End User provides the Report and End User must not represent that Lotsearch or any of its Third Party Content Suppliers accepts liability to any such person or make any other representation to any such person on behalf of Lotsearch or any Third Party Content Supplier.
4. The End User hereby to the maximum extent permitted by law:
 - (a) acknowledges that the Lotsearch (nor any of its officers, employees or agents), nor any of its Third Party Content Supplier have any liability to it under or in connection with the

- Report or these Terms;
- (b) waives any right it may have to claim against Third Party Content Supplier in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms; and
 - (c) releases each Third Party Content Supplier from any claim it may have otherwise had in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms.
5. The End User acknowledges that any Third Party Supplier shall be entitled to plead the benefits conferred on it under clause 4, despite not being a party to these terms.
 6. End User must not remove any copyright notices, trade marks, digital rights management information, other embedded information, disclaimers or limitations from the Report or authorise any person to do so.
 7. End User acknowledges and agrees that Lotsearch and Third Party Content Suppliers retain ownership of all copyright, patent, design right (registered or unregistered), trade marks (registered or unregistered), database right or other data right, moral right or know how or any other intellectual property right in any Report or any other item, information or data included in or provided as part of a Report.
 8. To the extent permitted by law and subject to paragraph 9, all implied terms, representations and warranties whether statutory or otherwise relating to the subject matter of these Terms other than as expressly set out in these Terms are excluded.
 9. Subject to paragraph 6, Lotsearch excludes liability to End User for loss or damage of any kind, however caused, due to Lotsearch's negligence, breach of contract, breach of any law, in equity, under indemnities or otherwise, arising out of all acts, omissions and events whenever occurring.
 10. Lotsearch acknowledges that if, under applicable State, Territory or Commonwealth law, End User is a consumer certain rights may be conferred on End User which cannot be excluded, restricted or modified. If so, and if that law applies to Lotsearch, then, Lotsearch's liability is limited to the greater of an amount equal to the cost of resupplying the Report and the maximum extent permitted under applicable laws.
 11. Subject to paragraph 9, neither Lotsearch nor the End User is liable to the other for:
 - (a) any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to the Report or these Terms; or
 - (b) any loss of profit, loss of revenue, loss of interest, loss of data, loss of goodwill or loss of business opportunities, business interruption arising directly or indirectly out of or in relation to the Report or these Terms,
 irrespective of how that liability arises including in contract or tort, liability under indemnity or for any other common law, equitable or statutory cause of action or otherwise.
 12. These Terms are subject to New South Wales law.

Appendix IV – Land Title Records



SIGNATURE AND SEALS ONLY.

THE COMMON SEAL OF
WILLIAM KENNEDY HOLDINGS PTY
LIMITED WAS HEREUNTO
AFFIXED IN THE PRESENCE OF:

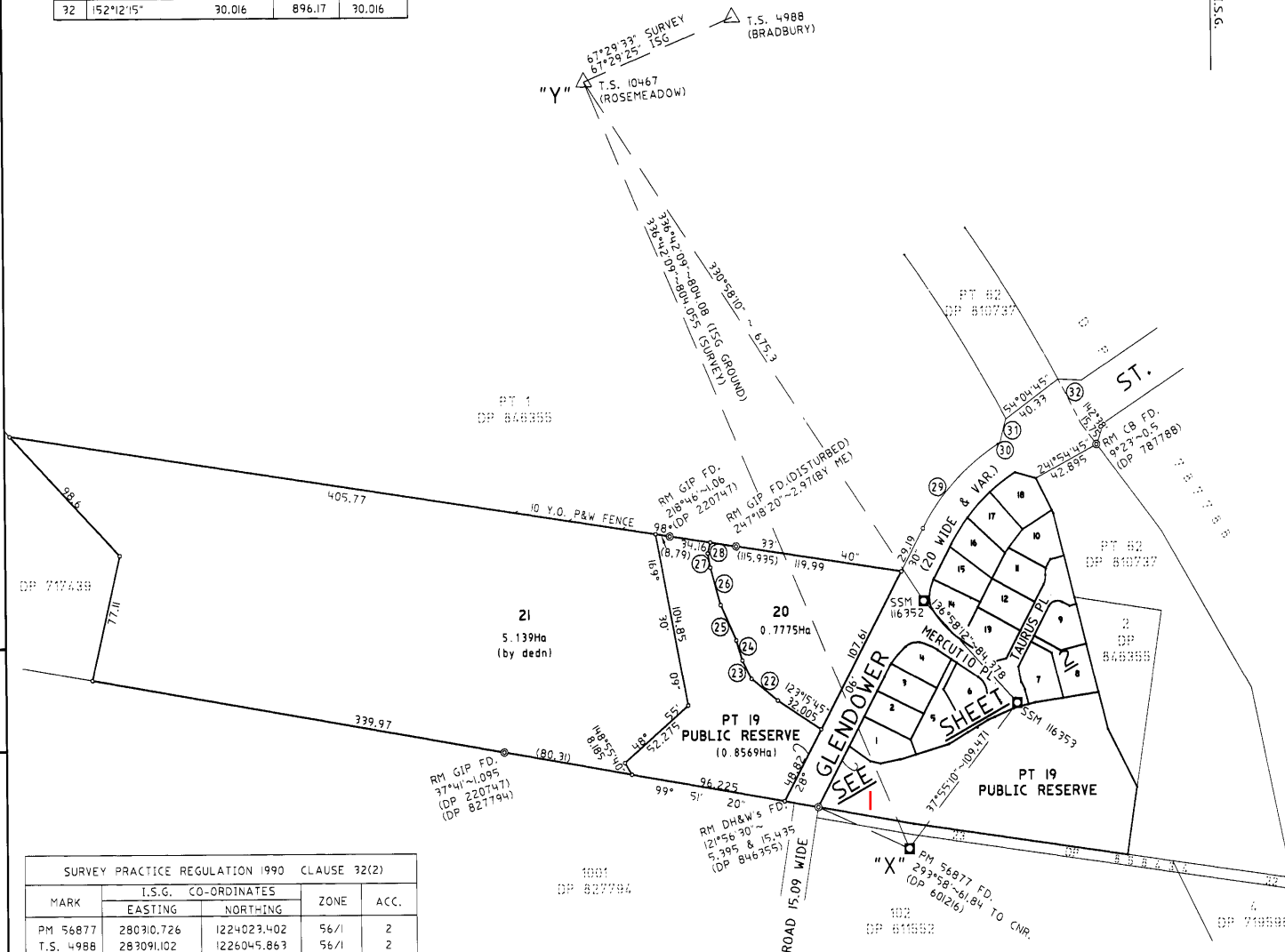


WILLIAM KENNEDY
DIRECTOR

RICHARD GRAHAM TRAVERS
CLERK

SCHEDULE OF SHORT & CURVED BOUNDARIES.

No.	BEARING	DISTANCE	RADIUS	ARC
22	128°56'50"	20.96	-	-
23	153°39'30"	12.33	-	-
24	162°58'05"	12.65	-	-
25	155°58'35"	23.98	-	-
26	164°27'15"	23.315	-	-
27	169°38'25"	8.655	-	-
28	13°45'10"	6.77	-	-
29	43°06'45"	68.87	133.015	69.665
30	58°07'	1.66	-	-
31	15°01'40"	14.605	-	-
32	152°12'15"	30.016	896.17	30.016



Registered: 21.4.1999
C.A: 28/1999 OF 13.4.1999
Title System: TORRENS
Purpose: SUBDIVISION
Ref. Map: U7322-9
Last Plan: DP846355

PLAN OF SUBDIVISION OF
LOT 3 DP 846355

Lengths are in metres. Reduction Ratio 1:2000

LGA: CAMPBELLTOWN CITY

Suburb/ Locality: ROSEMEADOW

Parish: MENANGLE

County: CUMBERLAND

This is sheet 1 of my plan in 2 sheets.
(Delete if inapplicable)

Survey Certificate

SCOTT FRANCIS KEATLEY

of LEAN & HAYWARD P/L

PO BOX 232 CAMPBELLTOWN 2560

a surveyor registered under the Surveyors Act 1929, hereby

certify that the survey represented in this plan is accurate,

has been made in accordance with the Surveyors (Practice)

Regulation 1998

and was completed on 12-02-1999

The survey relates to LOTS 1 TO 20

(here specify the land actually surveyed or specify any land

shown in the plan that is not the subject of the survey)

Datum Line: "X" - "Y"

Zone: Suburban

Plans used in preparation of survey/compilation.

DP 846355 DP 83128

DP 858434 DP 827794

DP 804227 DP 787788

DP 827794 DP 846593

DP 810737 DP 601029

PANEL FOR USE ONLY for statements of
intention to dedicate public roads or to
create public reserves, drainage reserves,
easements, restrictions on the use of land or
positive covenants.

IT IS INTENDED TO DEDICATE
MERCUTIO PLACE & TAURUS PLACE
TO THE PUBLIC AS ROAD.

IT IS INTENDED TO CREATE LOT 19
AS PUBLIC RESERVE.

PURSUANT TO SECTION 88B OF THE
CONVEYANCING ACT 1919 AS AMENDED,
IT IS INTENDED TO CREATE:

1. EASEMENT TO DRAIN WATER
1.5 WIDE & VARIABLE.
2. EASEMENT TO DRAIN WATER
2.5 WIDE.
3. EASEMENT FOR PADMOUNT
SUBSTATION 2.75 WIDE.
4. RESTRICTION ON THE USE OF LAND.
5. RESTRICTION ON THE USE OF LAND.
6. RESTRICTION ON THE USE OF LAND.
7. RESTRICTION ON THE USE OF LAND.
8. RESTRICTION ON THE USE OF LAND.
9. RESTRICTION ON THE USE OF LAND.

CONTINUED SHEET TWO

Crown Lands Office Approval

PLAN APPROVED:
Authorised Officer:
Land District:
Paper No.:
Field Book: pages:

Council's Certificate

I hereby certify that -

- (a) the requirements of the Local Government Act, 1919 (other
than the requirements for the registration of plans), and
(b) the requirements of Part 3 Division 2 of the Water Board
Act, 1987 or Part 5 Division 2 of the Hunter Water Board
(Corporation) Act 1991

have been complied with by the applicant in relation to the proposed

SUBDIVISION

(Insert 'new road', 'subdivision' or 'consolidated lot' set out herein

Subdivision No. 28 of 1999

Date 13.11.1999

(Signature) [Signature]

Council File No. 20856

* This part of certificate to be deleted where the application is only
for a consolidated lot or the opening of a new road or where the land
to be subdivided is wholly outside the areas of operations of the
Water Board and the Hunter Water Corporation Ltd.
- Delete if inapplicable.

SURVEY PRACTICE REGULATION 1990 CLAUSE 32(2)

MARK	I.S.G. CO-ORDINATES		ZONE	ACC.
	EASTING	NORTHING		
PM 56877	280310.726	1224023.402	56/1	2
T.S. 4988	283091.102	1226045.863	56/1	2
T.S. 10467	279992.734	1224761.860	56/1	2

SOURCE: I.S.G. CO-ORDINATES ADOPTED FROM DEPT.

OF CaLM (SCIMS) AT MARCH 1998

COMBINED SEA LEVEL & SCALE CORRECTION FACTOR 0.99992

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

SURVEYOR'S REFERENCE: 73115.01.L01

CHECKLIST

Req:R70761 Doc:DP 1000643 P /Rev:21-Apr-1999 /NSW IRS /Pgs:ALL /Prt:25-Oct-2021 10:57 /Seq:2 of 2
© Office of the Registrar-General /Src:INFOTRACK /Ref:LS025612 EP - Glendower

SCHEDULE OF SHORT & CURVED BOUNDARIES.

No.	BEARING	DISTANCE	RADIUS	ARC	No.	BEARING	DISTANCE	RADIUS	ARC
1	53°06'45"	19.715	113.015	19.74	12	30°57'30"	3.21	-	-
2	42°49'45"	20.8	113.015	20.83	13	74°03'15"	8.625	6	9.625
3	32°49'45"	18.6	113.015	18.6	14	153°13'35"	5.035	12	5.075
4	26°59"	1	25.5	1	15	349°12'50"	5.285	12	5.33
5	10°33'40"	13.455	25.5	13.62	16	152°37'40"	11.745	12	12.275
6	34°22'15"	4.8	10	4.85	17	123°19'20"	4.015	-	-
7	316°19'55"	25.715	66.5	25.88	18	112°20'30"	12	31.5	12.075
8	304°15'10"	2.16	66.5	2.16	19	74°43'05"	8.97	10	9.3
9	19°36'35"	5.81	10.23	5.89	20	42°04'10"	13.81	66	13.835
10	5°22'20"	3.92	11	3.94	21	35°36'55"	1.035	66	1.035
11	23°17'45"	2.935	11	2.94					

- (A) EASEMENT TO DRAIN WATER 1.5 WIDE & VAR.
(B) EASEMENT TO DRAIN WATER 2.5 WIDE.
(C) EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE.
(D) EASEMENT TO DRAIN WATER 10 WIDE & VAR.
(E) BENEFITED BY RIGHT OF CARRIAGEWAY - S10797

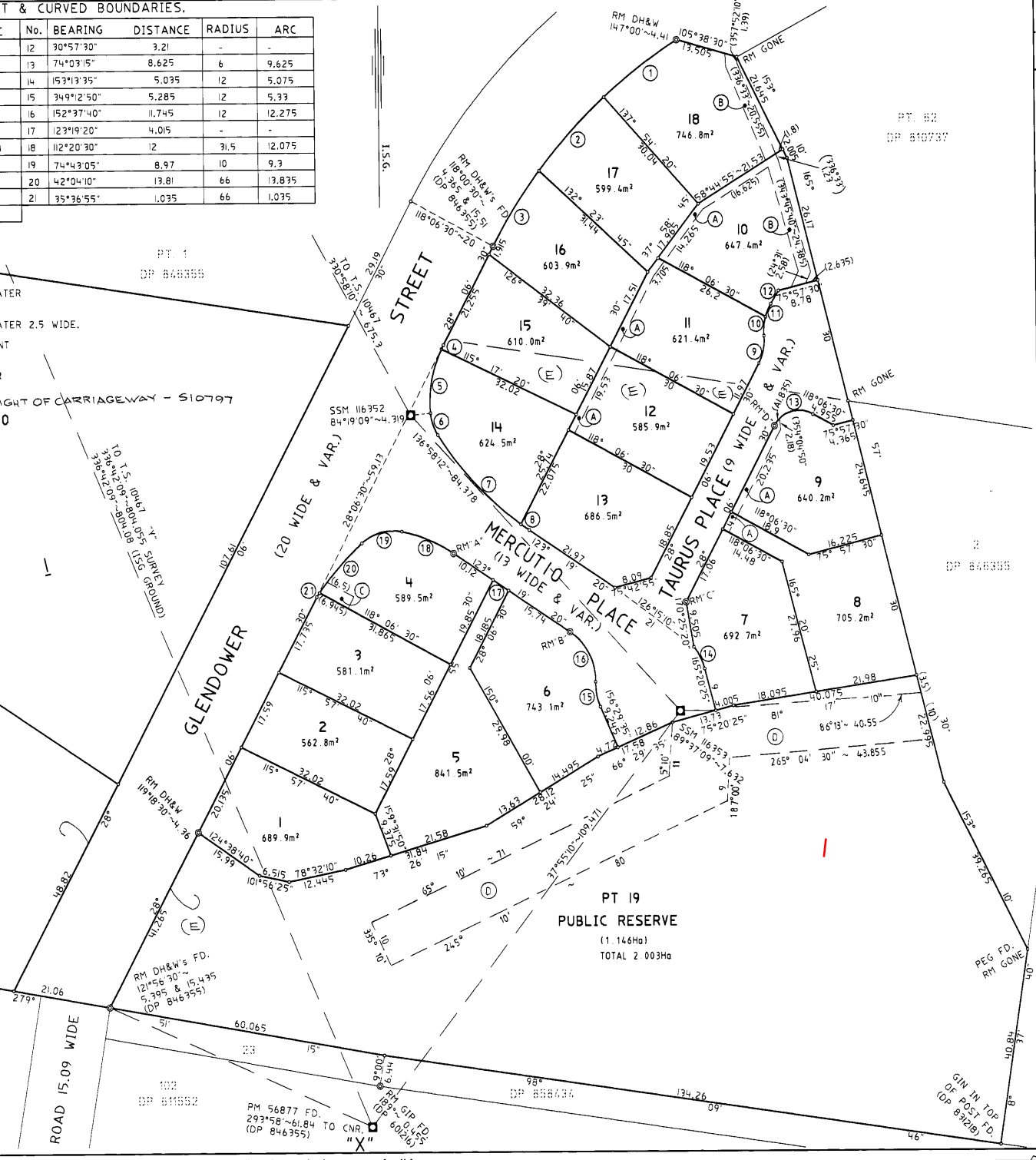
SEE

SHEET

PT 19
PUBLIC RESERVE

SCHEDULE OF REFERENCE MARKS

R.M.	DESCRIPTION	BEARING	DISTANCE
A	DH&W	212°46'	3.385
	DH&W	213°23'	10.405
B	DH&W	213°46'20"	3.4
	DH&W	213°09'40"	9.54
C	DH&W	117°44'40"	1.38
	DH&W	119°05'53"	5.525
D	DH&W	117°48'30"	1.39
	DH&W	117°15'10"	5.53



DP1000643

Registered 21-4-1999

This is sheet 2 of my plan in 2 sheets.
dated 12-02-1999

This is sheet 2 of the plan of 2 sheets covered by my Certificate No. 28 of 1999

Council Clerk

For use where space is insufficient in any panel on Plan Form 2
CONTINUED FROM SHEET ONE
10. EASEMENT TO DRAIN WATER 10 WIDE & VAR.
11. RESTRICTION ON THE USE OF LAND.
12. RESTRICTION ON THE USE OF LAND.

CAMPBELLTOWN CITY COUNCIL
ACCEPTED

M. E. Kennedy
AUTHORISED PERSON

Reduction Ratio 1: 600

SURVEYOR'S REFERENCE: 73115.01.L02



LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

25/10/2021 10:40AM

FOLIO: 1/928868

First Title(s): OLD SYSTEM

Prior Title(s): VOL 1739 FOL 2

Recorded	Number	Type of Instrument	C.T. Issue
9/3/1993	DP928868	DEPOSITED PLAN	FOLIO CREATED EDITION 1
10/3/1993	I176258	DEPARTMENTAL DEALING	EDITION 2
5/7/1993	DP831218	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

LS025612_EP - Glendower

PRINTED ON 25/10/2021

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LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

25/10/2021 10:39AM

FOLIO: 66/831218

First Title(s): OLD SYSTEM

Prior Title(s): 1/928868

Recorded	Number	Type of Instrument	C.T. Issue
5/7/1993	DP831218	DEPOSITED PLAN	FOLIO CREATED EDITION 1
14/2/1994	U24208	MORTGAGE	EDITION 2
20/1/1995	DP846355	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

LS025612_EP - Glendower

PRINTED ON 25/10/2021

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DIAGRAM 'A'
REDUCT. RATIO 1:1500

11. C.A.: _____

Purposo: SUBDIVISION

Ref. Map: U 7322-6#, 9th

Last Plan: D.P. 714850

PLAN
OF SUBDIVISION OF LOTS
602 & 603 IN D.P. 714850

Lengths are in metres. Reduction Ratio 1:4000

CAMPBELLTOWN

Locality: GILEAD

Parish: MANANGLE

County: CUMBERLAND

~~This is sheet 1 of my plan in~~ _____ ~~chapter~~
(Delete if inapplicable)

PAUL MICHAEL DALY
of **JOHN M. DALY & ASSOC. PTY. LTD.**
P.O. BOX 25 CAMPBELLTOWN
a surveyor registered under the Surveyors Act, 1929, as
amended, hereby certify that the survey represented in this
plan
is accurate and has been made in accordance with the Survey
Practice Regulations, 1933 and any special requirements of
the Department of Lands, and was completed on
31ST AUGUST 1990

Signature Paul M. Valey
Surveyor registered under Surveyors Act, 1929, as amended
Datum Line of Azimuth. 'A' ~ 'B'
#Insert date of survey.

Plans used in preparation of survey/compilation.
D.P. 220747, D.P. 589241, D.P. 601029,
D.P. 601216, D.P. 622872, D.P. 625685
D.P. 701484, D.P. 714850, D.P. 787072,
D.P. 787788, D.P. 928868, D.P. 601216

PANEL FOR USE ONLY for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

LOTS 61 & 62 ARE TO
BE RETAINED BY THE
MINISTER ADMINISTERING
THE ENVIRONMENTAL
PLANNING AND
ASSESSMENT ACT 1979

CDS 2

PENELOPE LOUIS WILL as delegate of the...
Environmental Planning and Assessment Act
I hereby certify that there is no notice of this
delegation.

PR Hill

Crown Lands Office Approval

PLAN APPROVED
 Authorised Officer
 Land District
 Paper No.
 Field Book 60005

Council Clerk's Certificate

I hereby certify that —

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

* (b) the requirements of Part 3 Division 2 of the Water Board Act 1987 and Water Supply Authorities Act 1987

have been complied with by the applicant in relation to the
proposed
(insert "new road", "subdivision" or "consolidated lot") set out herein
Subdivision No.
Date
(Signature)
Council Clerk

Council File No.

* This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.

SURVEYOR'S REFERENCE: 89/308

• EASEMENT TO DRAIN WATER 3 WIDE VIDE D.P. 601029 (S516462)
 • RIGHT OF CARRIAGEWAY 5 WIDE VIDE D.P. 601029 (S516461)
 • EASEMENT FOR TRANSMISSION LINE 18'29 WIDE VIDE D.P. 220747 (L366946)

This negative is a photograph made as a permanent record of a document in the custody of the Registrar General this day, 1st October, 1991

	10	20	30	40	50	60	70	Table of mm	110	120	130	140
--	----	----	----	----	----	----	----	-------------	-----	-----	-----	-----

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

25/10/2021 10:35AM

FOLIO: 3/846355

First Title(s): OLD SYSTEM

Prior Title(s): ~~61/810737~~ 66/831218

Recorded	Number	Type of Instrument	C.T. Issue
24/1/1995	DP846355	DEPOSITED PLAN	FOLIO CREATED EDITION 1
24/10/1995	0630104	TRANSFER	
24/10/1995	0630105	MORTGAGE	EDITION 2
5/1/1998	3193133	TRANSFER RELEASING EASEMENT	
5/1/1998	3193134	TRANSFER RELEASING EASEMENT	
5/1/1998	3193135	TRANSFER RELEASING EASEMENT	EDITION 3
25/2/1999	5629617	DEPARTMENTAL DEALING	
21/4/1999	DP1000643	DEPOSITED PLAN	FOLIO CANCELLED RESIDUE REMAINS

*** END OF SEARCH ***

97-01 T.



TRANSFER

Real Property Act, 1900



0
630104 V

Office of State Revenue use only

\$7-

10/9/0211/100 40 3011 466041

(A) **LAND TRANSFERRED**

Show no more than 20 References to Title.
If appropriate, specify the share transferred

PART F. I. 3/846355 - (PART
FOLIO IDENTIFIER 61/810737)
~~being Lot 3 in DP 846355~~

(B) **LODGED BY**

L.T.O. Box 374	Name, Address or DX and Telephone WBC
REFERENCE (max. 15 characters): Z-01794392-294-R	

(C) **TRANSFEROR**

MINISTER ADMINISTERING THE ~~ENVIRONMENTAL~~ PLANNING AND ASSESSMENT ACT, 1979 ENVIRONMENTAL

(D) acknowledges receipt of the consideration of

OFFICE OF STATE REVENUE
N.S.W. TREASURY
130425
ALTERNATIVE NOTES

~~THIRTY FIVE THOUSAND DOLLARS \$35,000.00 \$1.00~~

and as regards the land specified above transfers to the Transferee an estate in fee simple

(E) subject to the following **ENCUMBRANCES**

1. **U024208** 2. 3.

(F) **TRANSFEE**

T	WILLIAM KENNEDY HOLDINGS PTY LIMITED ACN 000 589 220
TENANCY:	

(G)

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. **DATED 26 September 1995**
Signed in my presence by the Transferor who is personally known to me.

[Signature]
Signature of Witness

D. DAVEY
Name of Witness (BLOCK LETTERS)

SIGNED by me **PENELOPE LOUISE HILL** as delegate of the Minister
administering the Environmental Planning and Assessment Act,
1979, and I hereby certify that I have no notice of the
revocation of such delegation.

1 FARRER PLACE SYDNEY
Address of Witness

[Signature]
Signature of Transferor

Signed in my presence by the Transferee who is personally known to

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

JOHN C HARTIGAN ~~XXXXXX~~ of Transferee
SOLICITOR FOR TRANSFEE

INSTRUCTIONS FOR FILLING OUT THIS FORM ARE AVAILABLE FROM THE LAND TITLES OFFICE

CHECKED BY (office use only)

AUTHORITY TO USE 3/846355 & DELIVERY TO 374
FILMED WITH DEPLUG

L. S. DAVIS & ASSOCIATES

SOLICITORS & ATTORNEYS

Leon Sidney Davis LL.B

Level 10, 25 Bligh Street
SYDNEY NSW 2000

DX 1230 SYDNEY

Our ref: LSD: GC: 930318
Your ref:

Telephone: (02) 221 3400
Facsimile: (02) 221 3100

Tuesday, 26 September 1995

The Director
Land Titles Office
Queens Square
SYDNEY NSW 2000

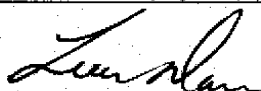
Dear Sir

Re: Department of Urban Affairs and Planning
Sale to William Kennedy Holdings Pty Limited
Ppty: Lot 3 in DP 846355

We act for the Vendor herein .

We confirm that you are hereby authorised to allow the Purchaser and/or Westpac Building Corporation to deal with the abovementioned folio identifier which is presently held in dual entitlement and to uplift the new folio identifier 3/846355 following registration.

Yours faithfully
L. S. DAVIS & ASSOCIATES


LEON DAVIS



LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

25/10/2021 10:35AM

FOLIO: 21/1000643

First Title(s): OLD SYSTEM

Prior Title(s): 3/846355

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
21/4/1999	DP1000643	DEPOSITED PLAN	FOLIO CREATED EDITION 1
31/8/2001	7902746	DISCHARGE OF MORTGAGE	EDITION 2
8/6/2016	AK459902	MORTGAGE	EDITION 3
3/1/2018	AN19398	DISCHARGE OF MORTGAGE	EDITION 4
3/1/2018	AN19399	TRANSFER	
26/4/2021	AQ990046	CAVEAT	

*** END OF SEARCH ***

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FOLIO: 21/1000643

SEARCH DATE	TIME	EDITION NO	DATE
25/10/2021	10:34 AM	4	3/1/2018

LAND

LOT 21 IN DEPOSITED PLAN 1000643
AT ROSEMEADOW
LOCAL GOVERNMENT AREA CAMPBELLTOWN
PARISH OF MENANGLE COUNTY OF CUMBERLAND
TITLE DIAGRAM DP1000643

FIRST SCHEDULE

WKH SERVICES PTY. LTD.

(T AN19399)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- * 2 AQ990046 CAVEAT BY HT BUILDING PTY LIMITED

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***



LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

25/10/2021 10:35AM

FOLIO: 19/1000643

First Title(s): OLD SYSTEM

Prior Title(s): 3/846355

Recorded	Number	Type of Instrument	C.T. Issue
21/4/1999	DP1000643	DEPOSITED PLAN	FOLIO CREATED EDITION 1

*** END OF SEARCH ***

LS025612_EP - Glendower

PRINTED ON 25/10/2021

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Received: 25/10/2021 10:35:27



FOLIO: 19/1000643

SEARCH DATE	TIME	EDITION NO	DATE
25/10/2021	10:34 AM	1	21/4/1999

LAND

LOT 19 IN DEPOSITED PLAN 1000643
AT ROSEMEADOW
LOCAL GOVERNMENT AREA CAMPBELLTOWN
PARISH OF MENANGLE COUNTY OF CUMBERLAND
TITLE DIAGRAM DP1000643

FIRST SCHEDULE

CAMPBELLTOWN CITY COUNCIL

SECOND SCHEDULE (4 NOTIFICATIONS)

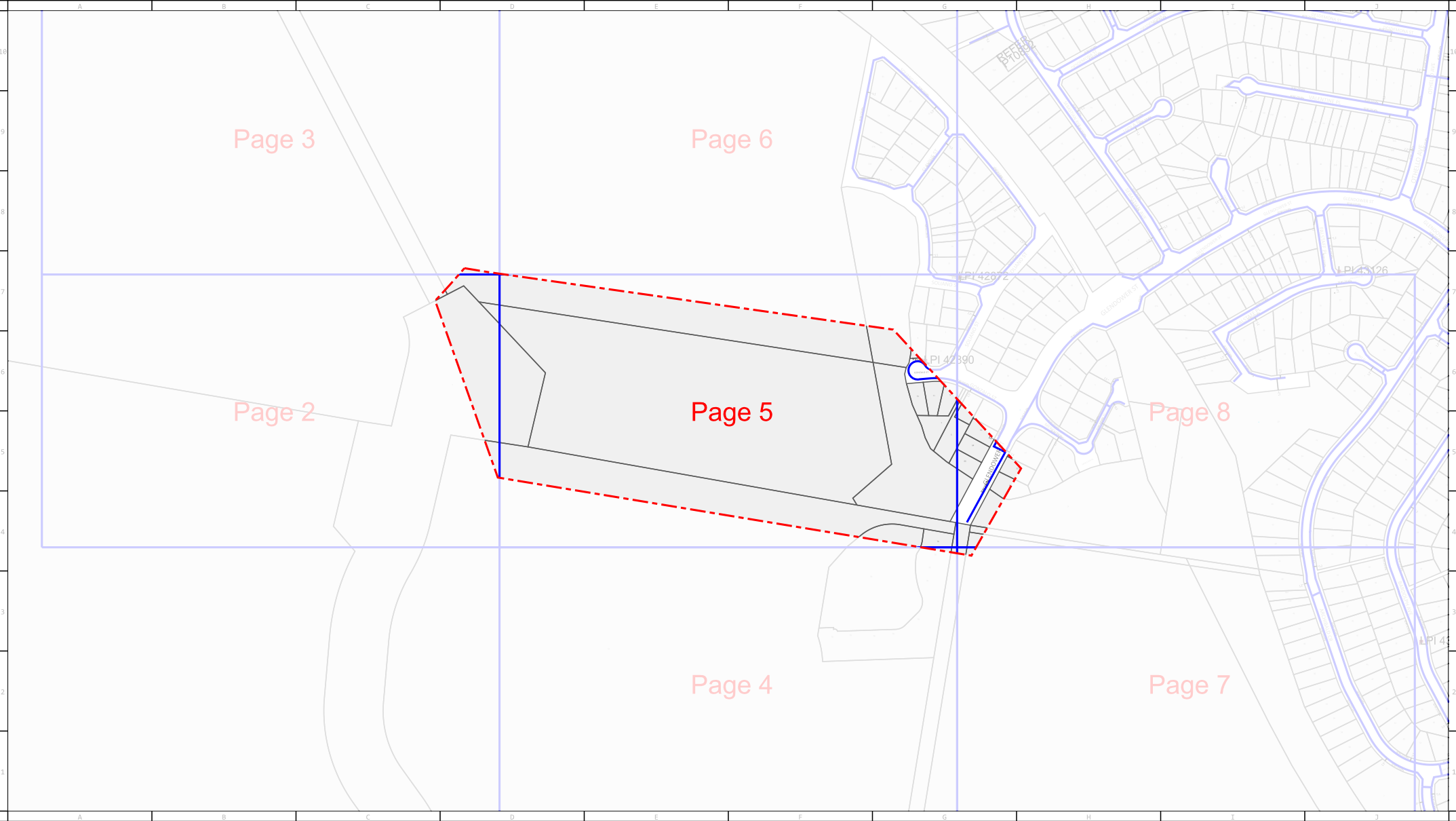
- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 THE LAND WITHIN DESCRIBED IS PUBLIC RESERVE
- 3 S10797 RIGHT OF CARRIAGEWAY APPURTENANT TO THE PART SHOWN
SO BENEFITED IN THE TITLE DIAGRAM AFFECTING THE LAND
SHOWN SO BURDENED IN DP831218
3193134 RELEASED IN SO FAR AS IT AFFECTS LOTS 21-23 IN
DP858434
- 4 ~~DP1000643 EASEMENT TO DRAIN WATER 10 METRES WIDE AND VARIABLE
AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE
DIAGRAM~~

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Appendix V – Dial Before you Dig



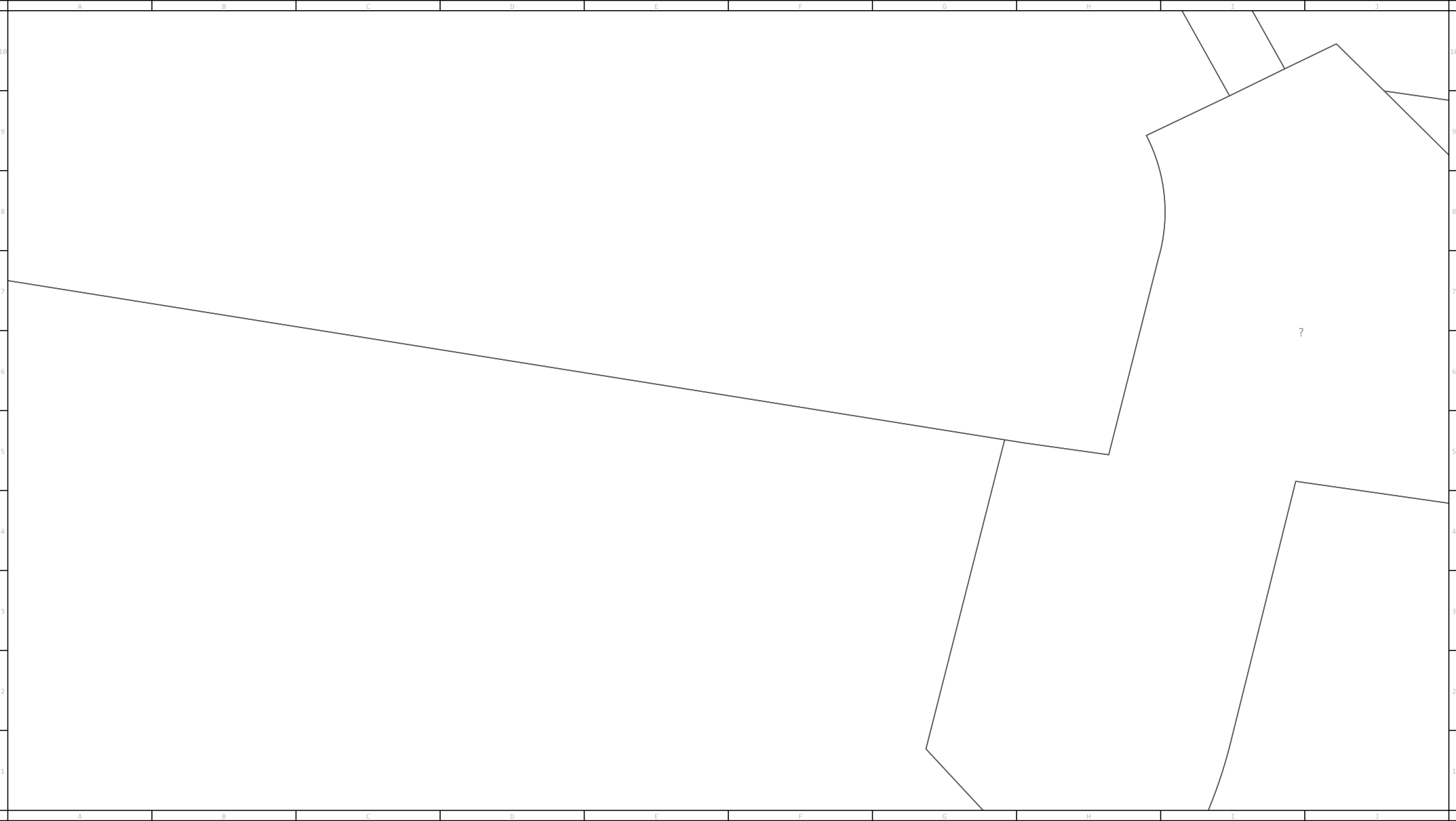
For legend details, please refer to the Coversheet attachment provided as part of this DBYD response.



Scale:1:6302

Issue Date: 20/10/2021
DBYD Seq No: 204312612
DBYD Job No: 30738404
Overview Page:

WARNING: This is a representation of Jemena Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions. The information contained on this plan is only valid for 28 days from the date of issue.



For legend details, please refer to the Coversheet attachment provided as part of this DBYD response.



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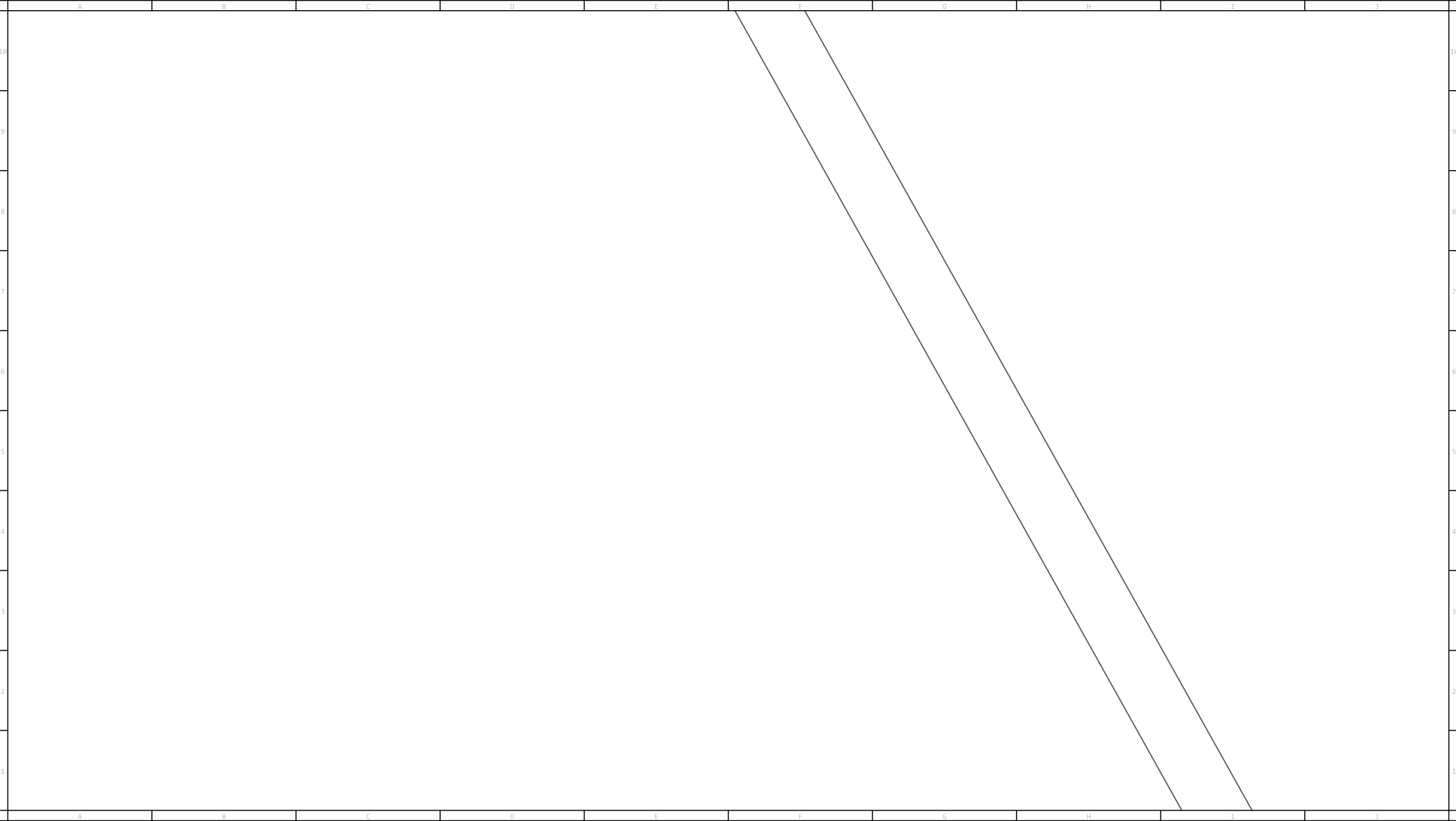
Issue Date: 20/10/2021

DBYD Seq No: 204312612

DBYD Job No: 30738404

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WARNING:This is a representation of Jemena Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. This plan is diagrammatic only, and distances scaled from this plan may not be accurate. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions. The information contained on this plan is only valid for 28 days from the date of issue.



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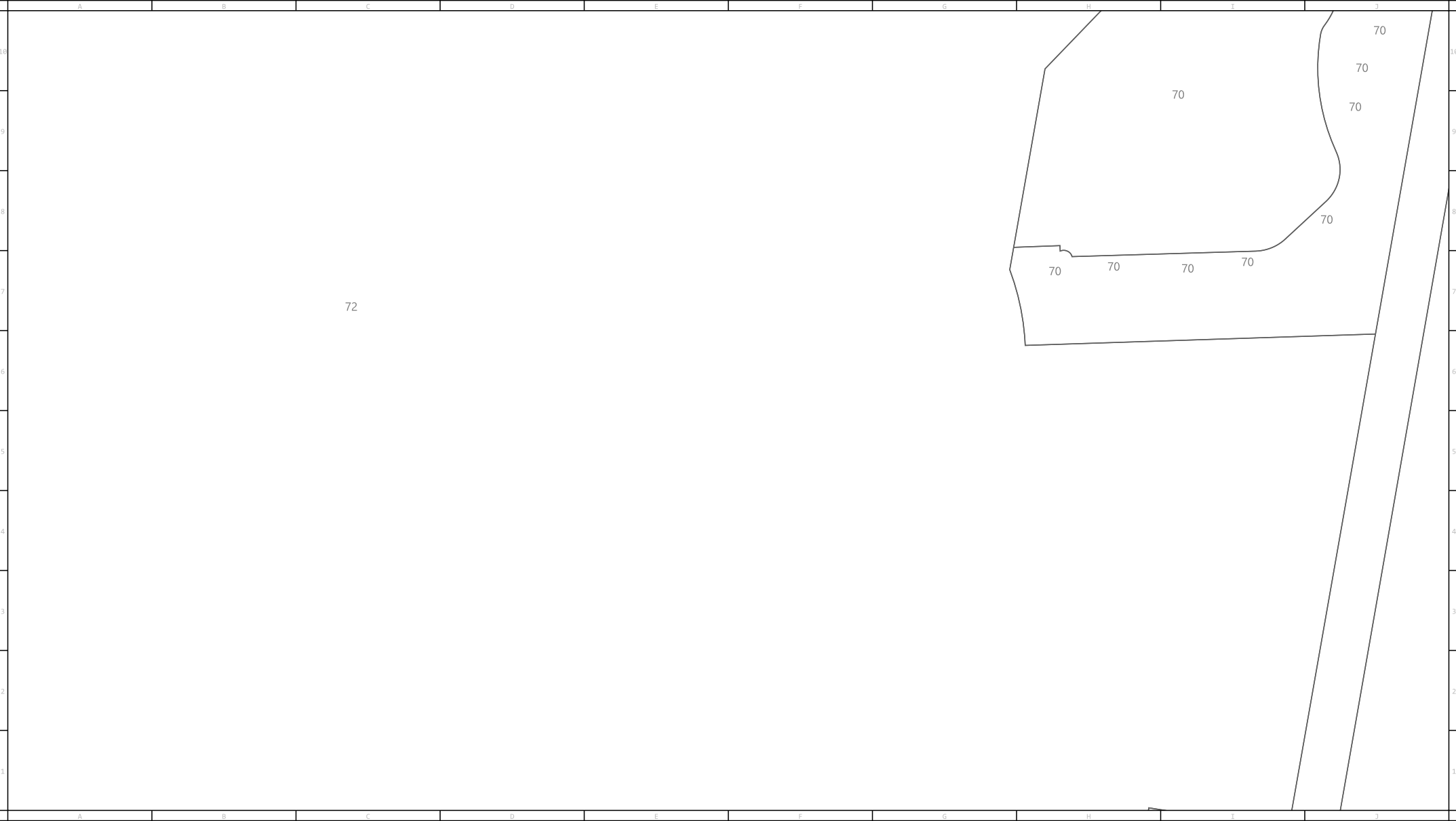
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DBYD Seq No: 204312612

DBYD Job No: 30738404

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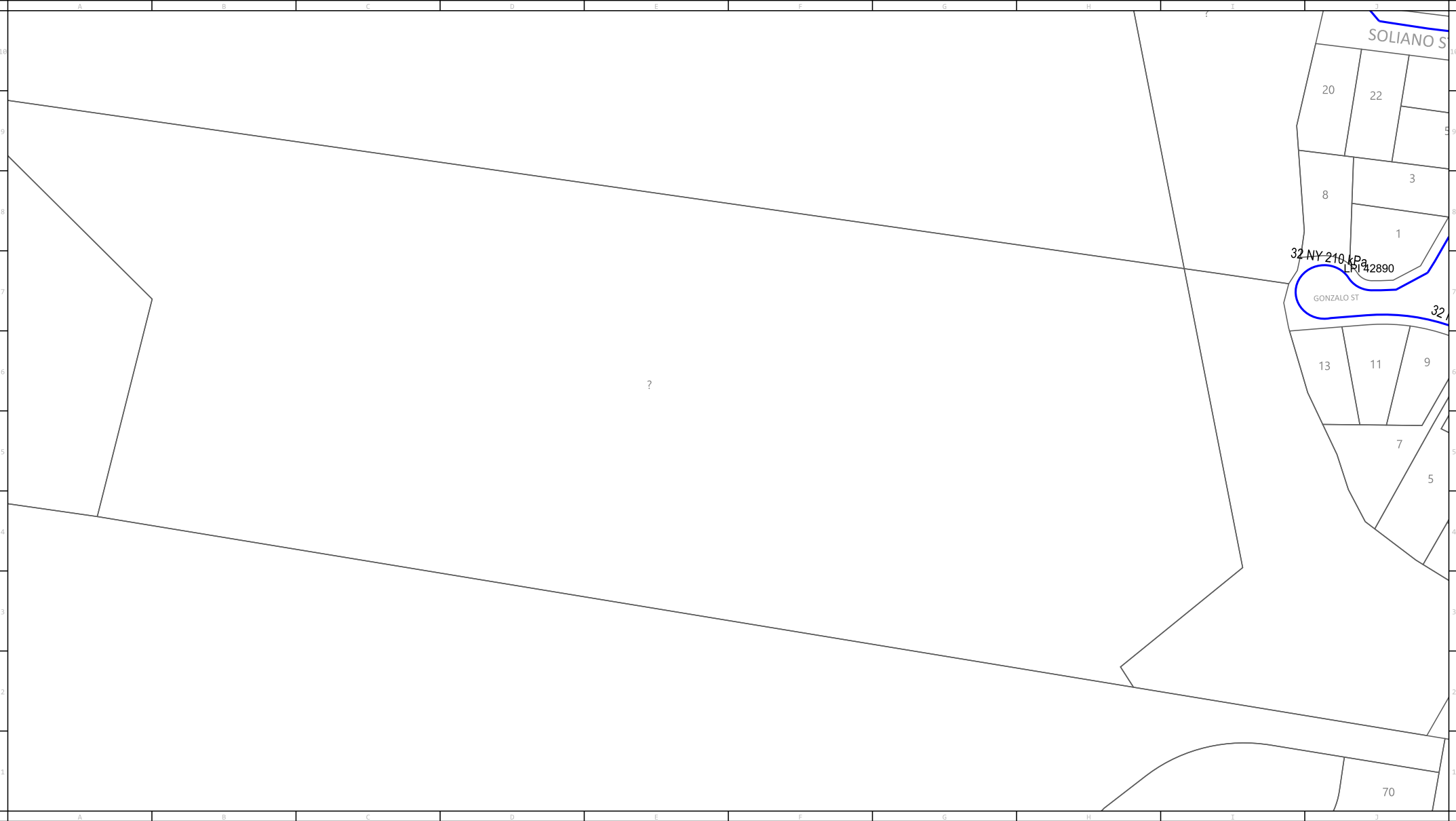
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DBYD Seq No: 204312612

DBYD Job No: 30738404

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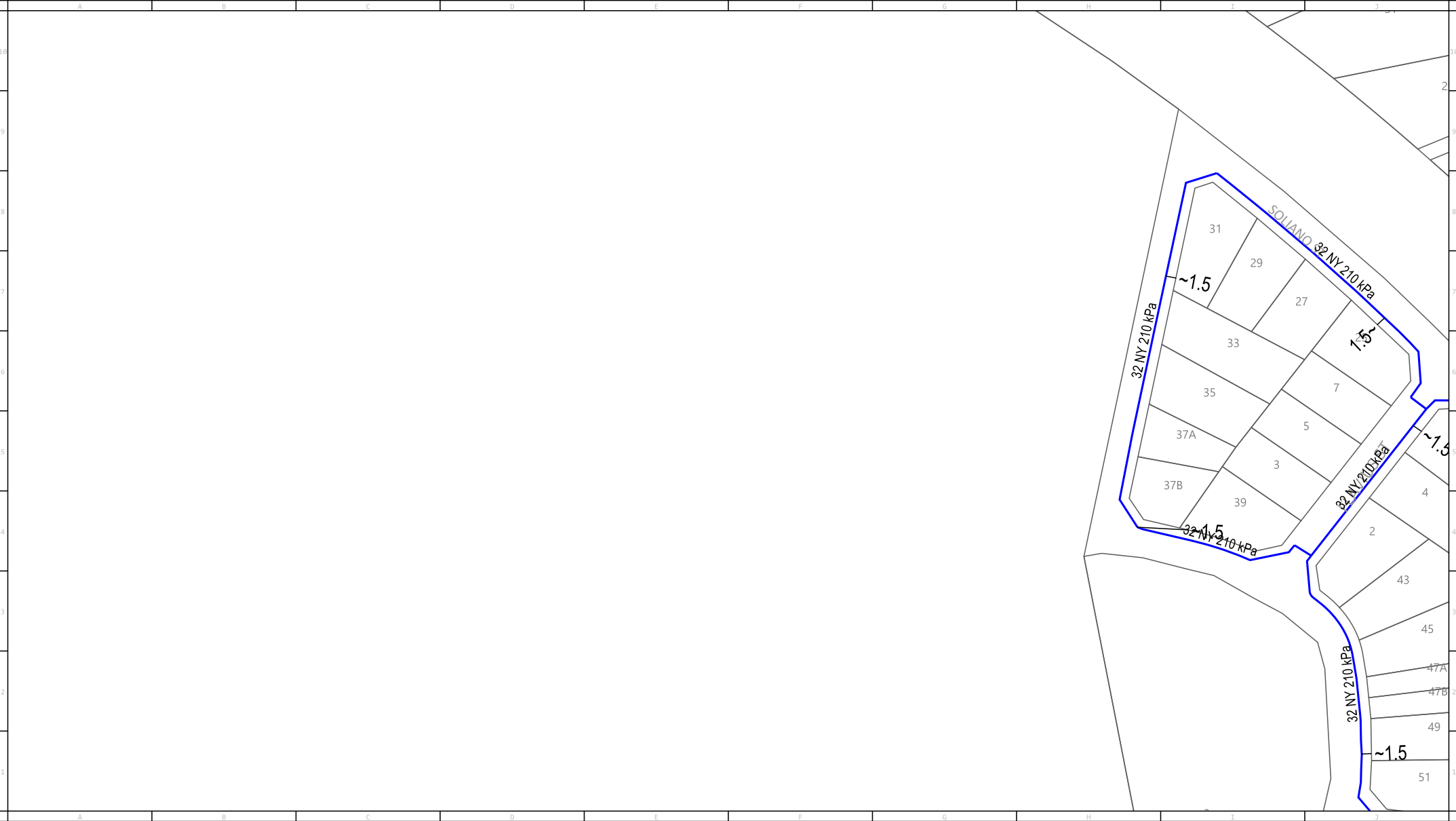
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DBYD Seq No: 204312612

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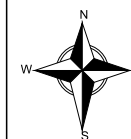
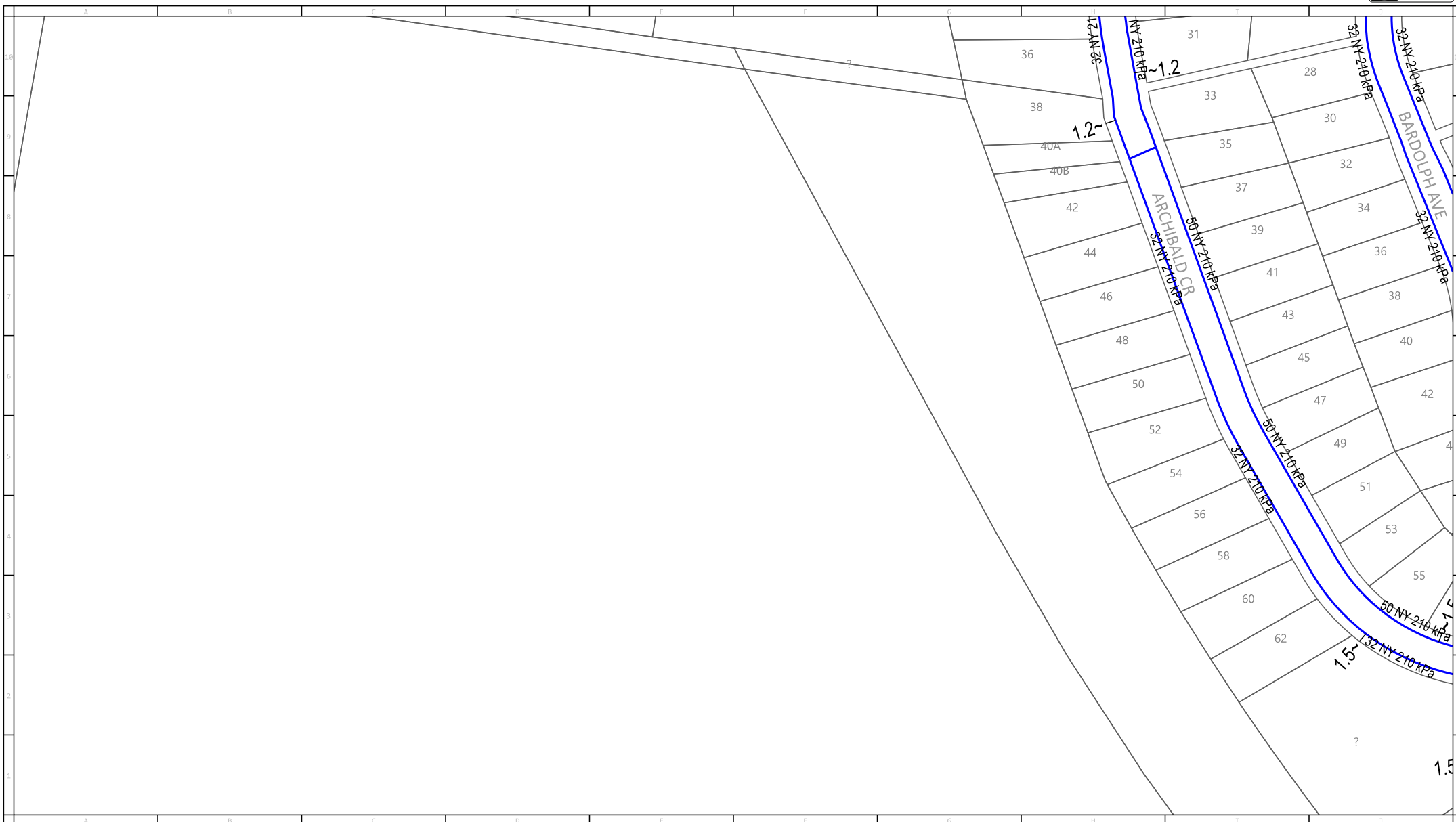
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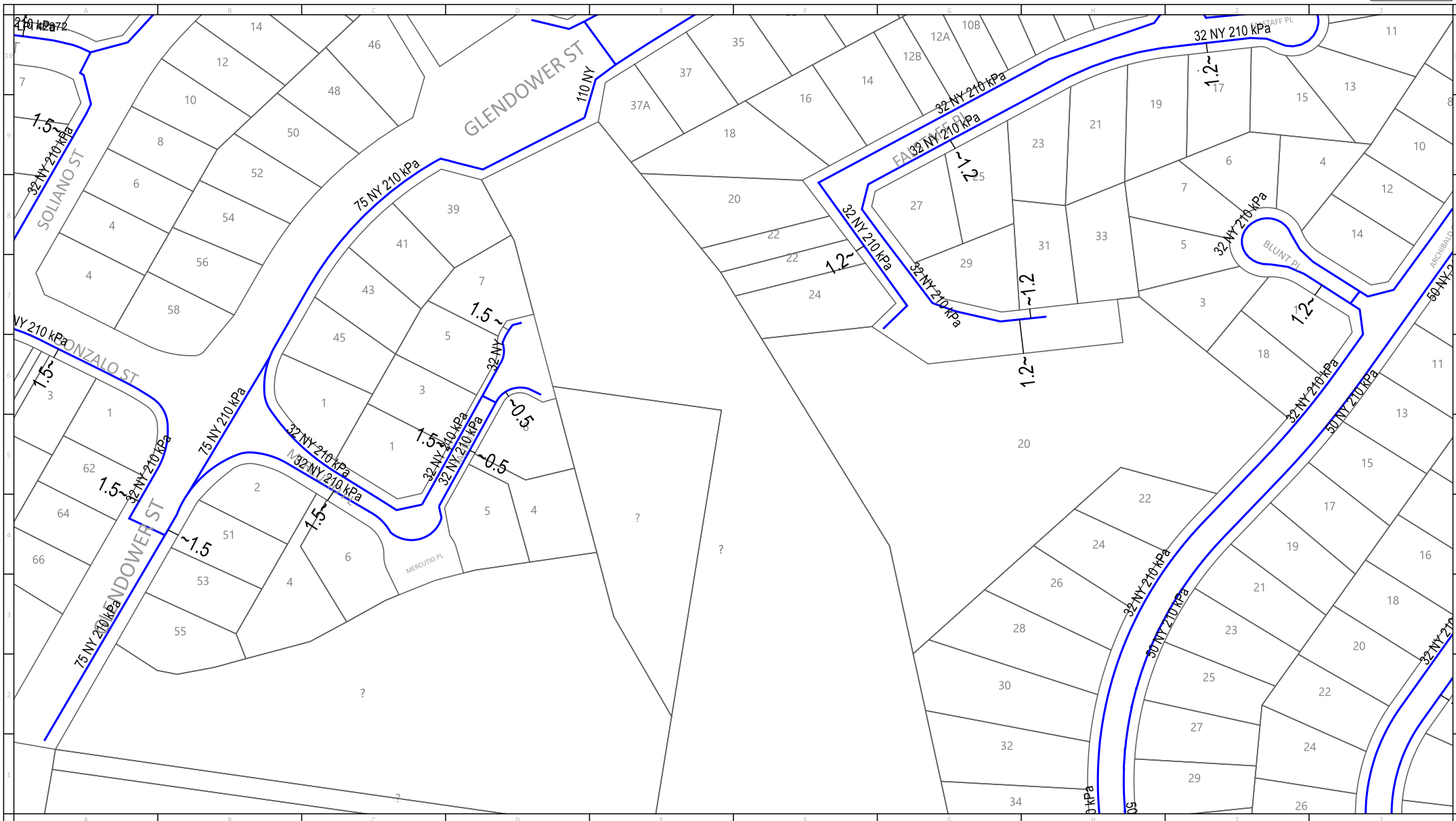
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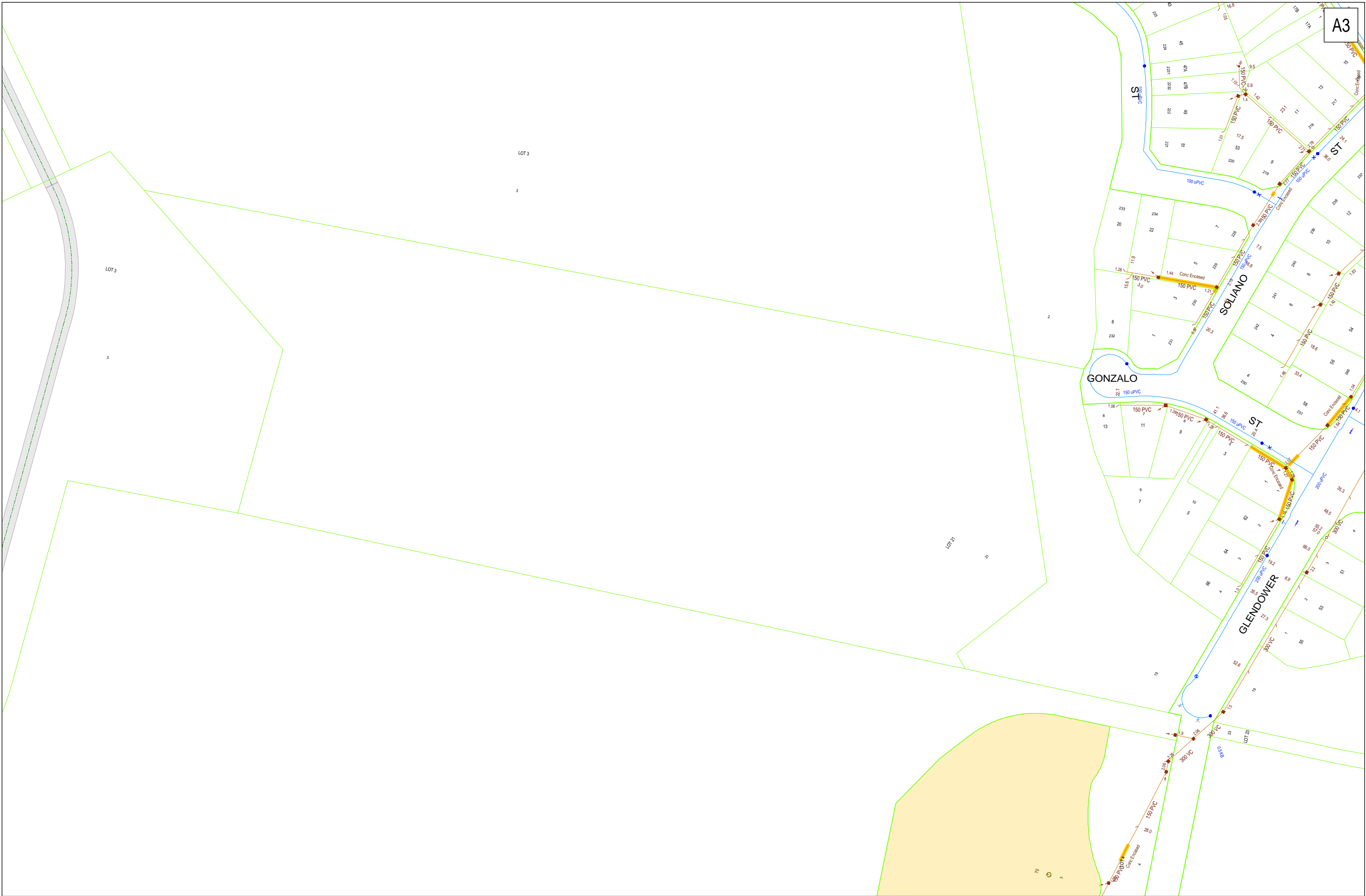
DBYD Job No: 30738404

0m 10m 20m 30m 40m 50m 60m 70m 80m

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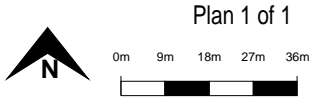
A3

DBYD Address:
2 Alexander Circuit
Gilead NSW 2560

DBYD Job No: 30738404
DBYD Sequence No: 204312613


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SYDNEY WATER CORPORATION

Scale: 1:1500
Date of Production: 20/10/2021

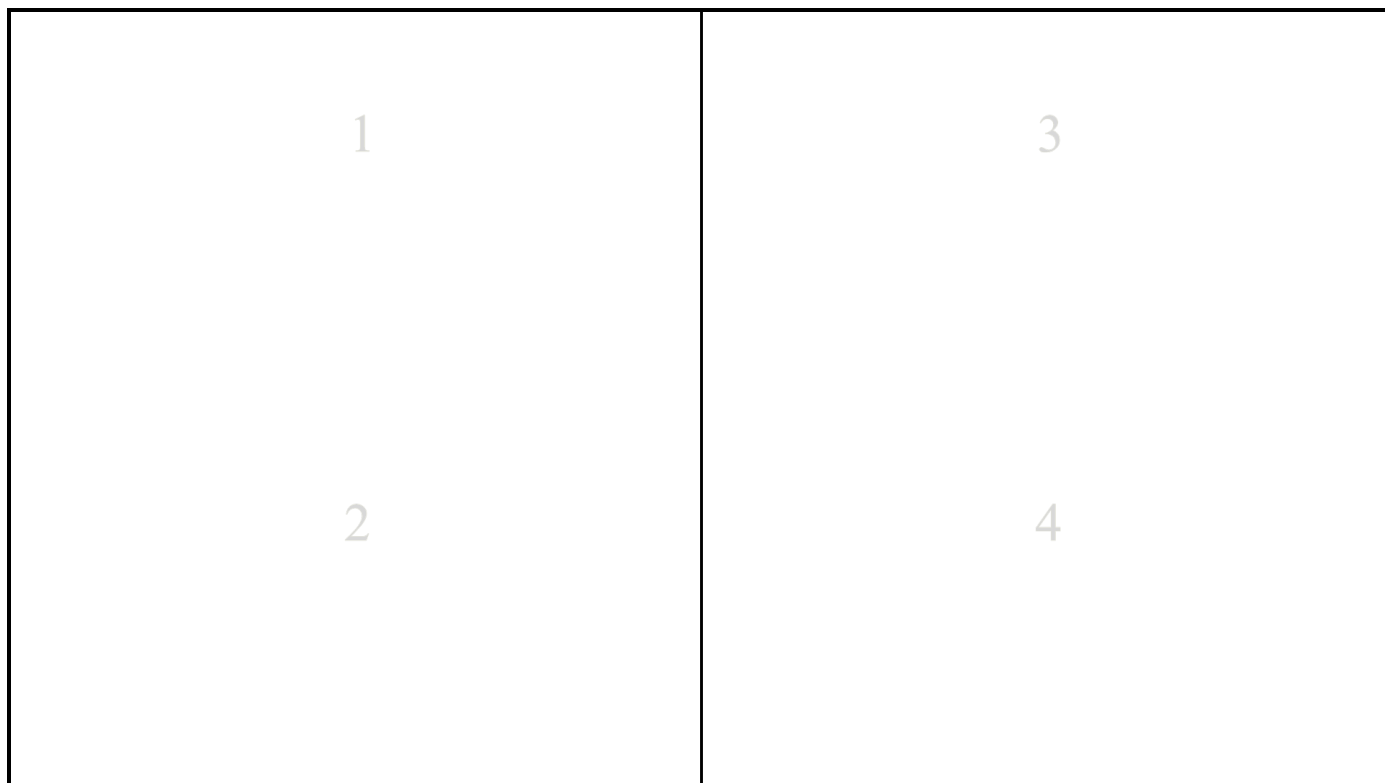


Plan 1 of 1

To: Monique Hitchens
Phone: Not Supplied
Fax: Not Supplied
Email: monique.hitchens@ade.group

Dial before you dig Job #:	30738404	 DIAL BEFORE YOU DIG <small>www.1100.com.au</small>
Sequence #	204312609	
Issue Date:	20/10/2021	
Location:	2 Alexander Circuit , Gilead , NSW , 2560	

Indicative Plans

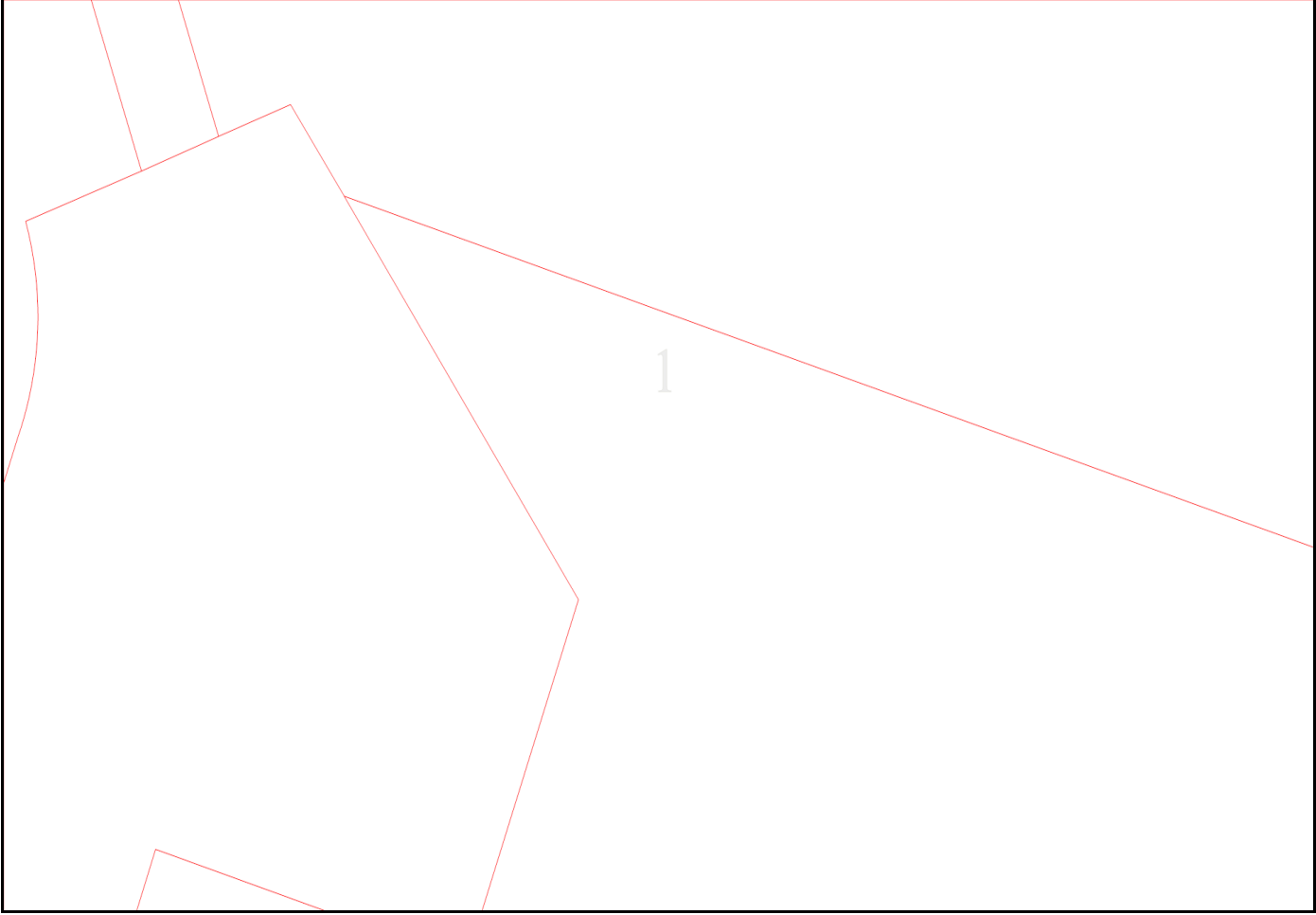


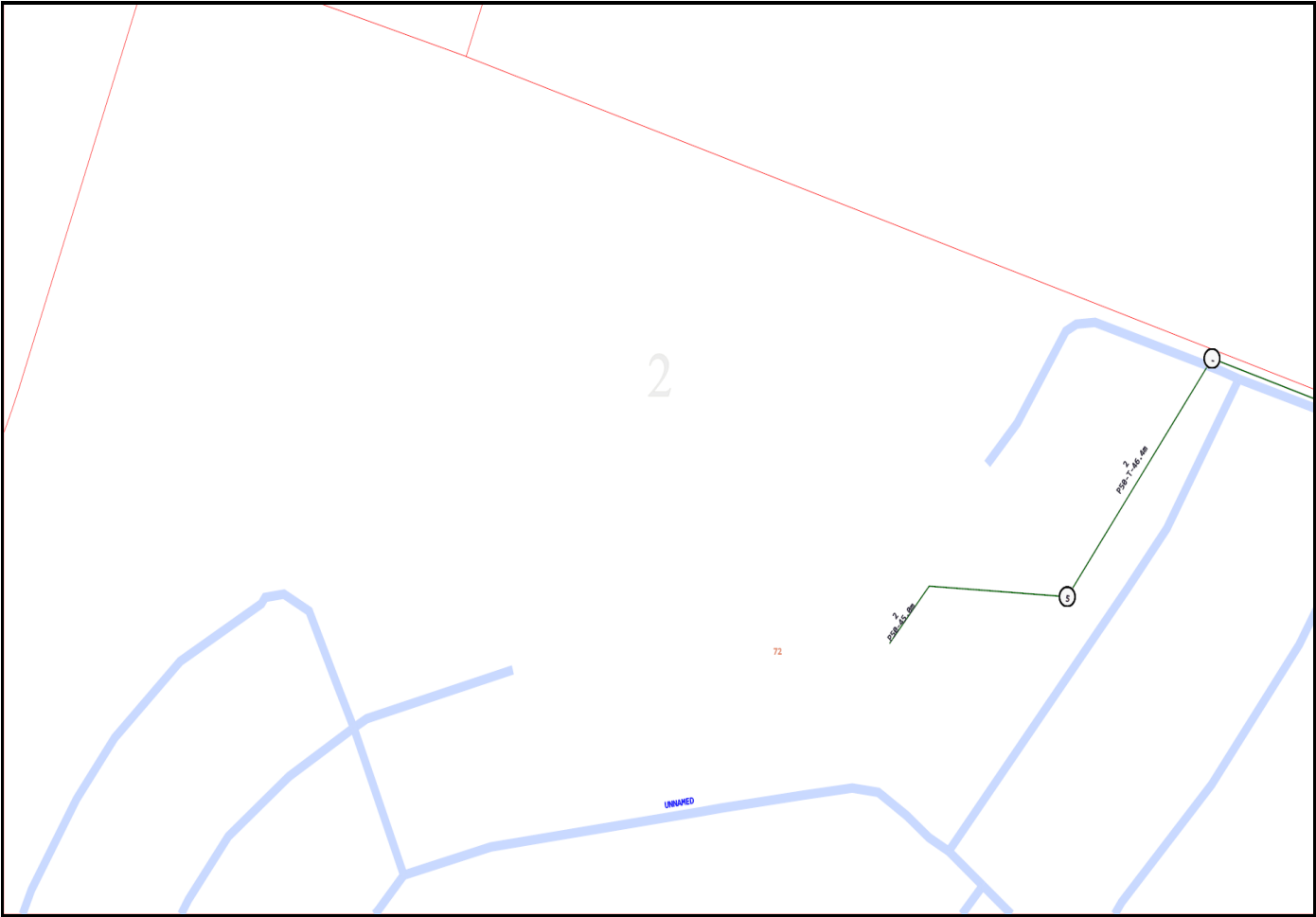


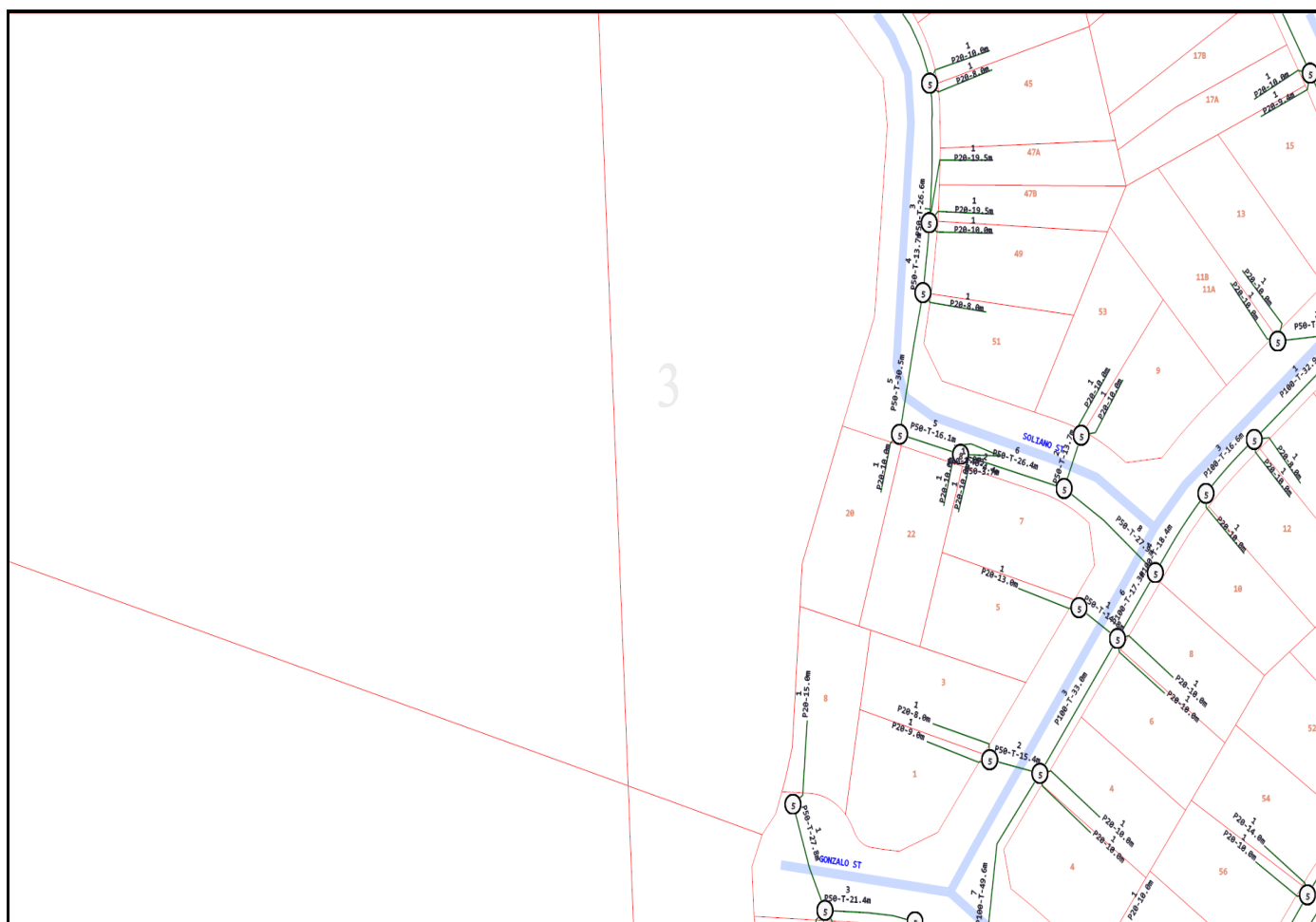
LEGEND

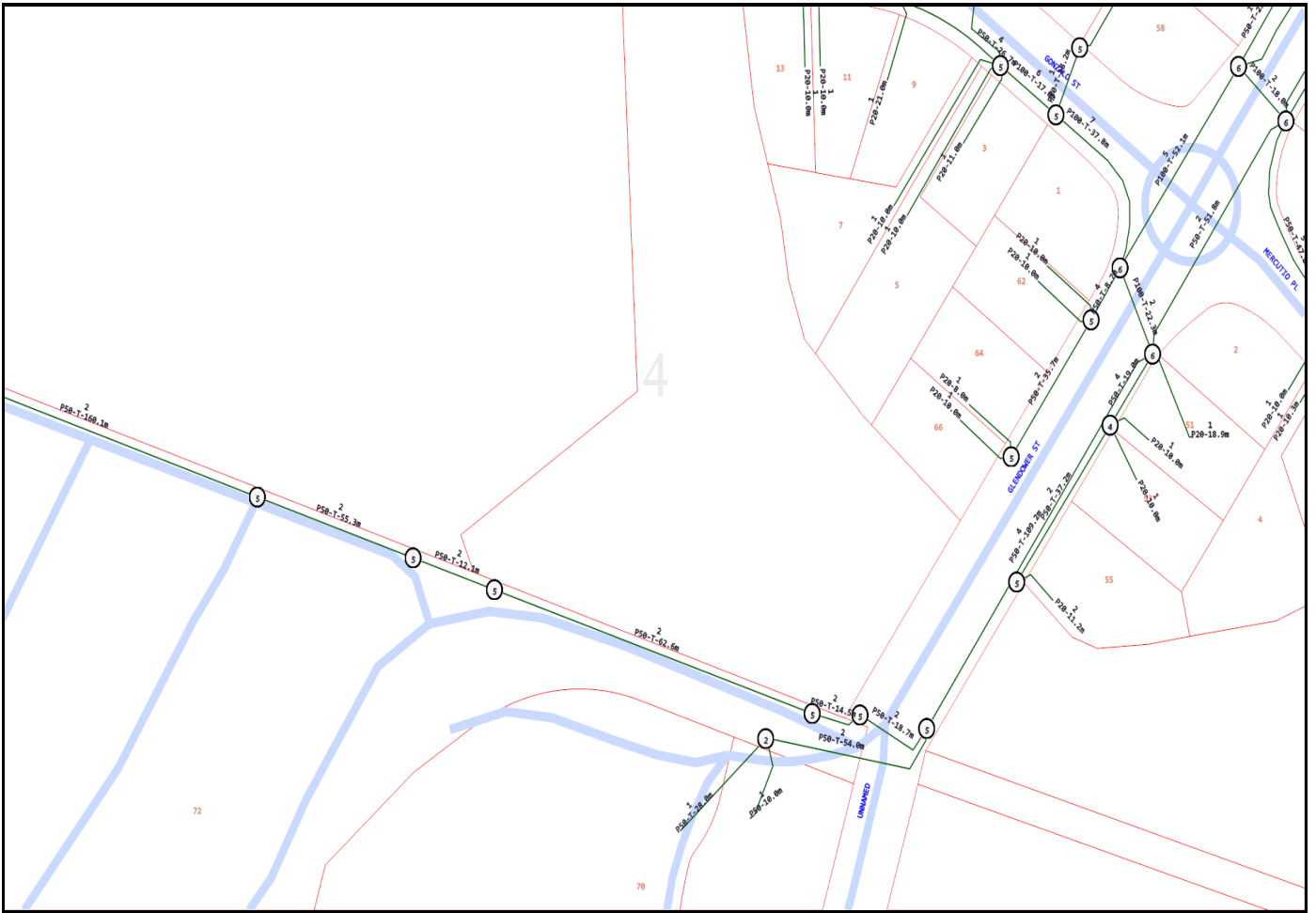


	Parcel and the location
	Pit with size "5"
	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.
	Manhole
	Pillar
<p>2 PO – T- 25.0m P40 – 20.0m</p>	<p>Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart.</p>
<p>2 10.0m</p>	2 Direct buried cables between pits of sizes, "5" and "9" are 10.0m apart.
	Trench containing any INSERVICE/CONSTRUCTED (Copper/RF/Fibre) cables.
	Trench containing only DESIGNED/PLANNED (Copper/RF/Fibre/Power) cables.
	Trench containing any INSERVICE/CONSTRUCTED (Power) cables.
	Road and the street name "Broadway ST"
<p>Scale</p>	<p>0 20 40 60 Meters 1:2000 1 cm equals 20 m</p>










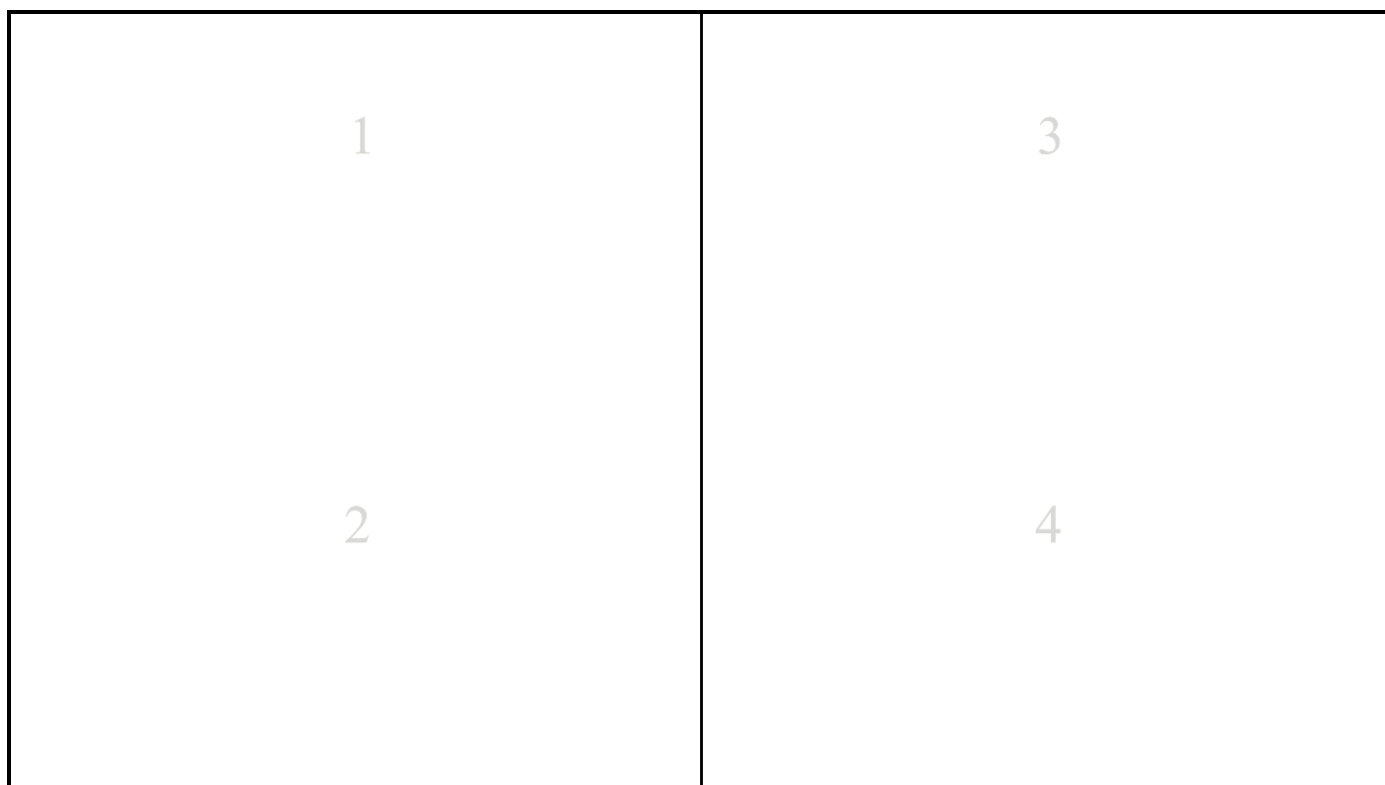
Emergency Contacts

You must immediately report any damage to the **nbn**TM network that you are/become aware of. Notification may be by telephone - 1800 626 329.

To: Monique Hitchens
Phone: Not Supplied
Fax: Not Supplied
Email: monique.hitchens@ade.group

Dial before you dig Job #:	30738404	 DIAL BEFORE YOU DIG <small>www.1100.com.au</small>
Sequence #	204312609	
Issue Date:	20/10/2021	
Location:	2 Alexander Circuit , Gilead , NSW , 2560	

Indicative Plans

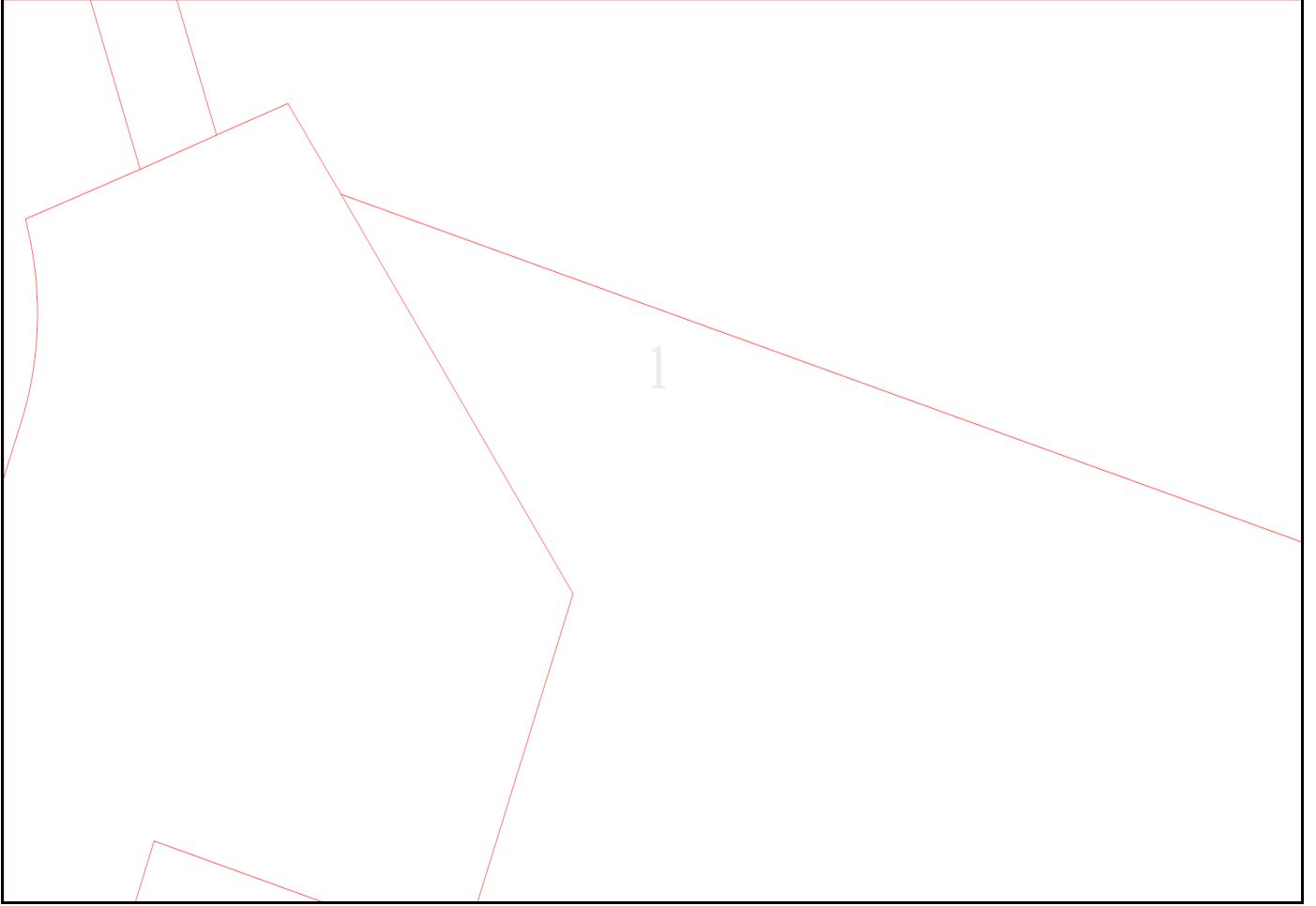


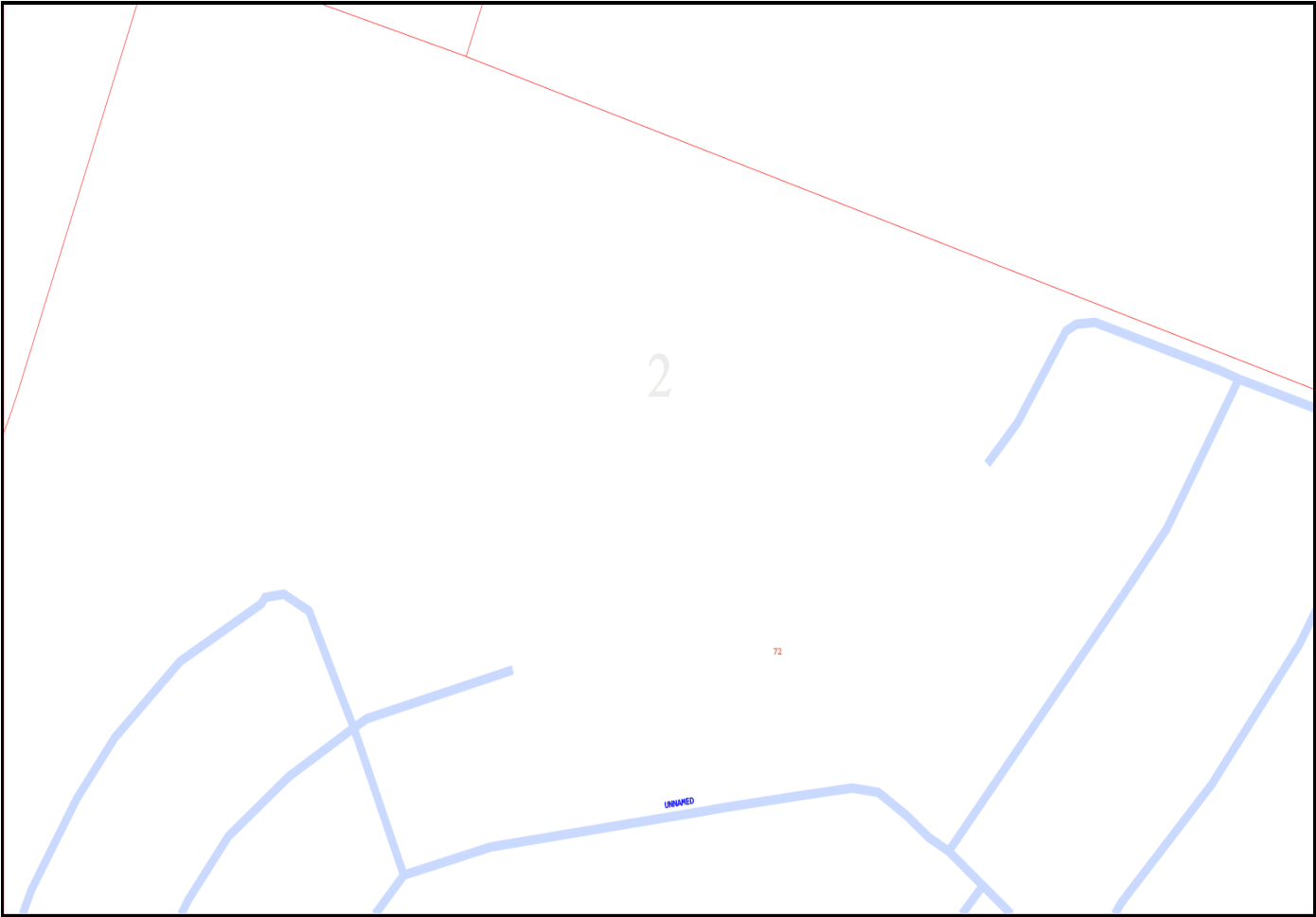


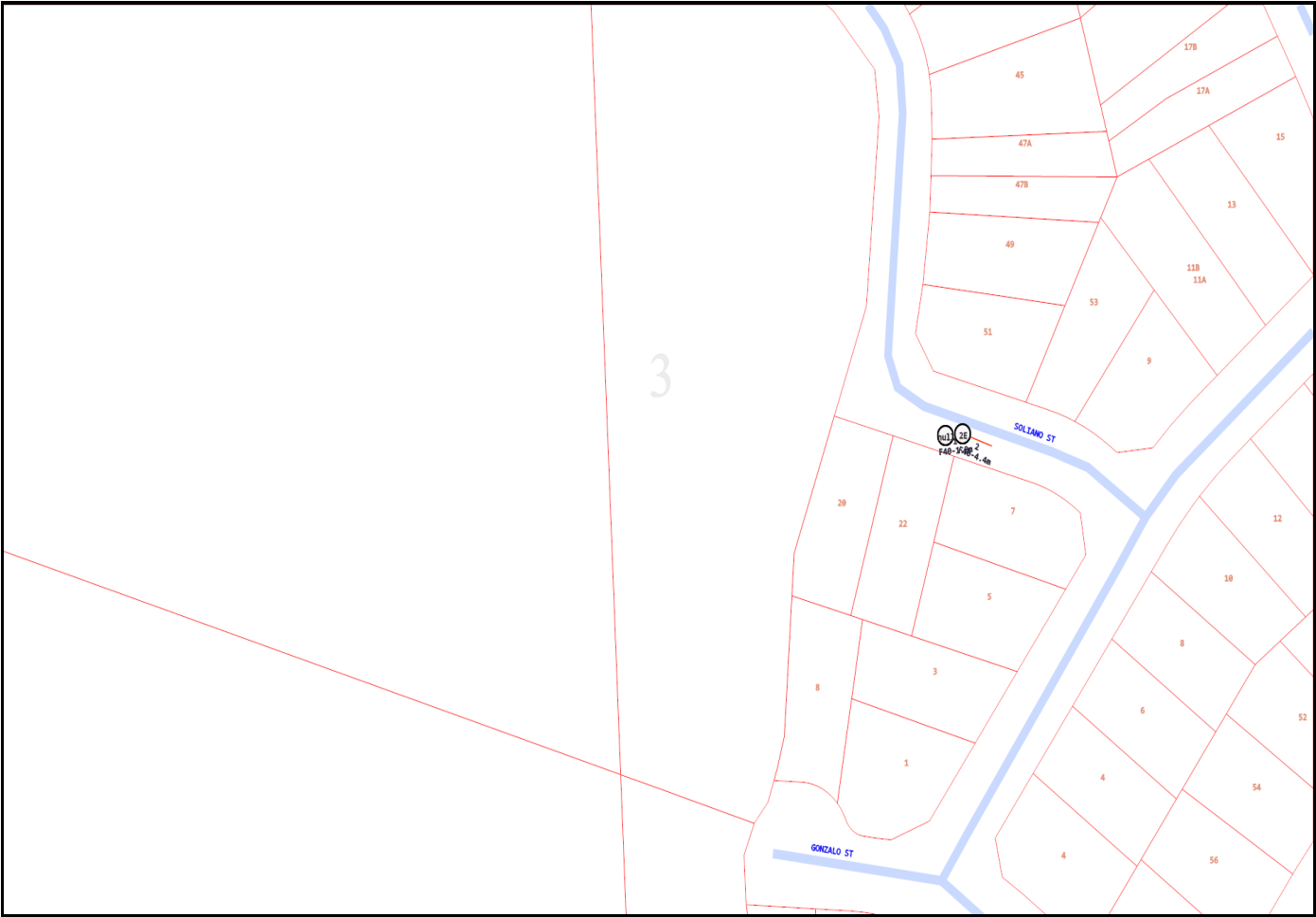
LEGEND

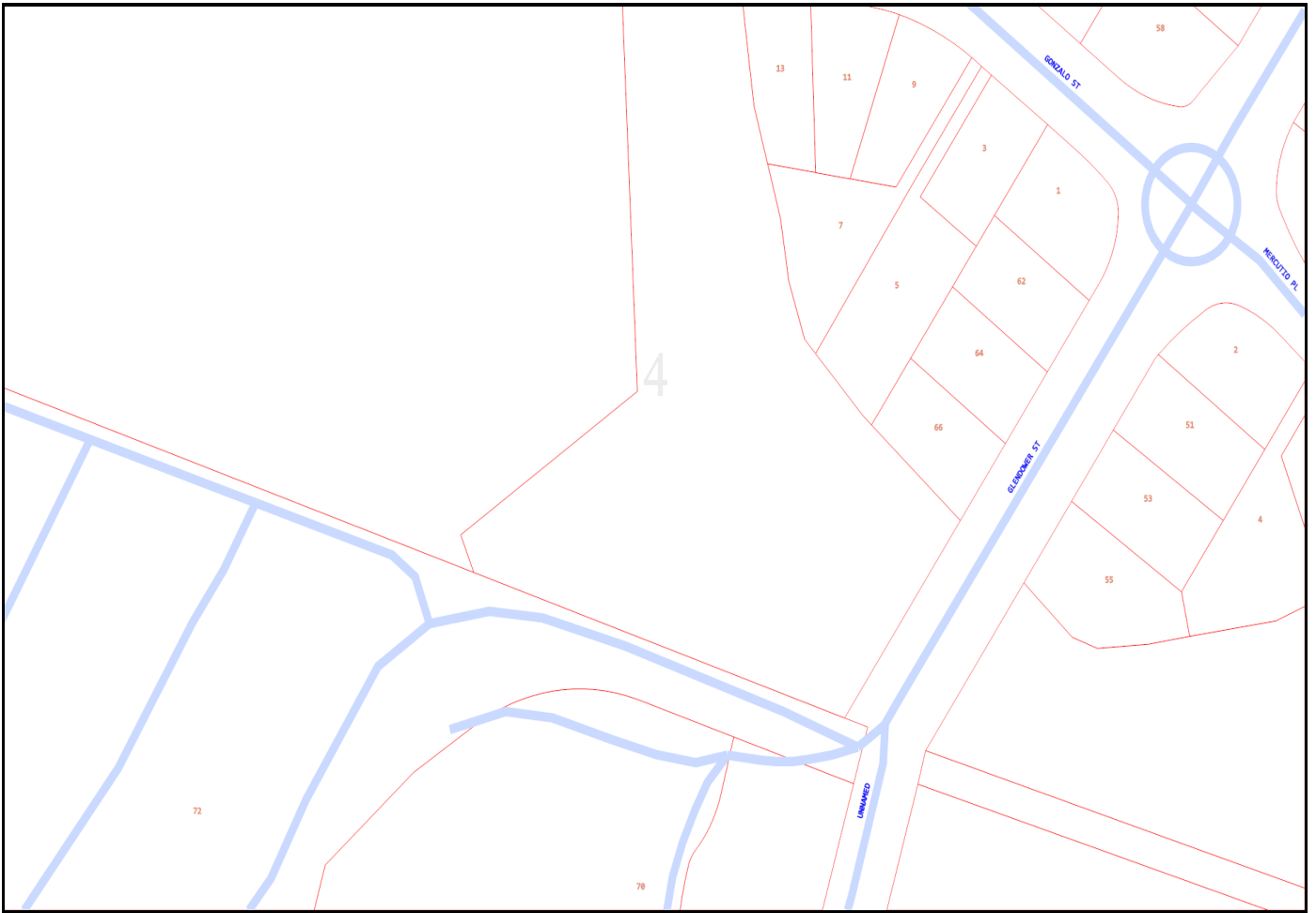


	Parcel and the location
	Pit with size "5"
	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.
	Manhole
	Pillar
	Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart.
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	Trench containing any INSERVICE/CONSTRUCTED (Power) cables.
	Road and the street name "Broadway ST"
Scale	0 20 40 60 Meters 1:2000 1 cm equals 20 m









Emergency Contacts

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Appendix VI – Planning Certificates – Section 10.7

Appendix VII – Supporting Documents



- 1 PROPOSED ROUNDABOUT
- 2 LANDSCAPED ENTRY
- 3 MOUNT GILEAD VILLAS / LEVELS x 2
- 4 MOUNT GILEAD ILU'S / LEVELS x 4
- 5 MOUNT GILEAD ALLIED HEALTH / LEVELS x 3
- 6 MANAGED LAND TO NORTH
- 7 CLUB GILEAD
- 8 MOUNT GILEAD STAGE 1 VILLAS
- 9 KILBRIDE NURSING HOME



Further details regarding ADE's Services are available via

✉ info@ade.group 🌐 www.ade.group

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