



BlueSphere
ENVIRONMENTAL

East Village Peer Review and Phase 1 Environmental Site Assessment

Prepared for:

Victorian Planning Authority

**Level 25, 35 Collins Street
Melbourne VIC 3000**

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East Village Peer Review and Phase 1 Environmental Site Assessment

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Executive Summary

BlueSphere Environmental Pty Ltd (BlueSphere) was engaged by the Victorian Planning Authority (VPA) to undertake a Peer Review and Phase 1 Environmental Site Assessment (ESA) for a portion of the proposed East Village. East Village is defined by VPA as a number of land parcels within a 24 hectare precinct on the corner of East Boundary and North Roads, Bentleigh East, Victoria (herein referred to collectively as the Precinct). The primary purpose of this study was to assess the contamination status of the northern portion of the Precinct, in order to determine whether an Environmental Audit Overlay (EAO) should apply to some or all defined land parcels under the Victoria Planning Provisions.

Numerous historical assessment documents exist for sub-areas within the Precinct, including a draft report titled "Environmental Conditions Summary East Village Precinct, Bentleigh East" (Senversa, 2016), which was reviewed as part of this study.

A broad range of potentially contaminating activities (past and present) were identified to have occurred in the northern portion of the Precinct, including car maintenance and storage, vehicle smash repairs and cleaning, bulk fuel storage, electroplating, metal fabrication and waste storage. Potential contaminants of concern that may be present include petroleum hydrocarbons, metals/metalloids, solvents, chlorinated hydrocarbons, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, phenols, acids, pesticides, fertilisers, nitrates, asbestos, ammonia and formaldehyde.

In accordance with the State Environment Protection Policies (SEPPs) (Prevention and Management of Contaminated Land and Groundwaters of Victoria) a number of beneficial uses of land and groundwater require protection. It is considered that a number of land parcels within the northern portion of the Precinct would have a moderate to high potential for preclusion of some protected beneficial uses of land and groundwater (i.e. potential contamination could prevent certain beneficial uses being realised).

The nature and severity of contamination that may actually exist on land parcels within the northern portion of the Precinct is not currently well understood. On this basis, the most appropriate remedial solutions and their feasibility are also not currently known. However, a number of remedial approaches have been used in adjoining areas.

This Phase 1 ESA is considered an appropriate mechanism to assess whether an EAO should be applied as it is in line with the guidance included in the *Potentially Contaminated Land General Practice Note* (Department of Sustainability and Environment, 2005).

In consideration of all available data collected in this study (notably the site history information, the completed site visit and available data from adjacent audit and assessment reports), the application of an EAO appears warranted for all non-residential zoned land parcels within the northern portion of the Precinct.

In addition, an environmental site assessment (Detailed Site Investigation) should become an application requirement for future permits for selected parcels in this area (specifically parcels 6, 14 – 17 and 29 - 33).

The above recommendations are intended to ensure that the contamination risks associated with the redevelopment of the site are appropriately considered and addressed prior to construction. BlueSphere also notes that in addition to the contamination risks and planning controls identified above, it would be desirable for potentially affected landowners to undertake further investigation, in order to fill the data gaps identified with respect to potential vapour intrusion risk on and adjacent to Griffith Avenue.

Any future environmental investigations conducted on land parcels within the northern portion of the Precinct should be completed in accordance with the National Environment Protection (Assessment of Site Contamination) Measure (2013) and relevant Environment Protection Authority (EPA) legislation and guidance. Such assessments should be completed by a suitably qualified practitioner in contaminated land assessment.

1 Introduction

1.1 Project Background

BlueSphere Environmental Pty Ltd (BlueSphere) was engaged by the Victorian Planning Authority (VPA) to undertake a Peer Review and Phase 1 Environmental Site Assessment (ESA) for the northern portion of the proposed East Village precinct. East Village is defined by VPA as a number of land parcels within a 24 hectare precinct on the corner of East Boundary and North Roads, Bentleigh East, Victoria (herein referred to collectively as the Precinct).

The majority of the Precinct is currently used for industrial and commercial uses and it is proposed to be developed for mixed-use purposes that includes commercial, retail, residential and community uses, including sensitive uses. The primary purpose of this study was to assess the contamination status of the northern portion of the Precinct, in order to determine whether an Environmental Audit Overlay (EAO) should apply to some or all defined land parcels under the Victoria Planning Provisions.

The Precinct comprises three main portions; northern, central and southern portions, as presented on **Figure F1**. Land use types and key observations across the Precinct are provided on **Figure F2**. Environmental investigations have previously been undertaken on land parcels within the central and southern portions, however it is understood that VPA is unaware of any environmental investigations undertaken within the northern portion of the Precinct. Accordingly, this investigation has focused on the northern portion of the Precinct.

1.2 Objectives

The objectives of the project were to:

- Undertake a peer review of the Environmental Conditions Summary report prepared by Senversa;
- Assess the potential for past or current activities to have contaminated the northern portion of the precinct area;
- Determine contaminants of potential concern based on past or current activities;
- Assess the potential for contamination to pose a risk to the beneficial uses of land or groundwater protected under State Environment Protection Policies (SEPPs);
- Assess the potential for contamination to be remediated to enable a range of urban site use(s) including residential, basement car parking, underground water tanks and other sensitive uses; and
- Recommend appropriate levels of further assessment as required.

1.3 Scope of Work

The following scope of work was completed in three stages, as requested by VPA, to satisfy the objectives of the project.

1.3.1 Stage 1 – Meeting and Peer Review of the Environmental Conditions Summary report

The following scope items were completed as part of Stage 1:

- An inception meeting was held between BlueSphere and VPA; and
- A peer review of the draft Environmental Conditions Summary report, prepared by Senversa.

1.3.2 Stage 2 – Environmental Site Assessment (Phase 1 ESA)

The Phase 1 ESA comprised a desktop review of available information relating to current and historical uses of the northern portion of the Precinct and a site inspection in order to identify

potential sources of soil and groundwater contamination and potentially contaminating activities. The Phase 1 ESA has focused on the northern portion (as confirmed at the meeting with VPA on 11 January 2018) and has been undertaken in general accordance with Schedule B2 'Guideline on Site Characterisation' of the National Environmental Protection (Assessment of Site Contamination) Measure 1999, as amended in 2013 (NEPM) and in accordance with other relevant state legislation, policy and standards and EPA guidelines.

1.3.2.1 Desktop Assessment

The following scope of work for the desktop assessment has been undertaken:

- Review of publicly available information relating to the regional and local geology, topography, hydrogeology and environmental Site setting, including:
 - A review of geological maps and plans;
 - A review of available geological logs;
 - A review of topographical plans and surface elevations;
 - A review of regional groundwater quality;
 - Compilation of registered surrounding groundwater users; and
 - A search of the Environment Protection Authority (EPA) Victoria Priority Sites Register (PSR) and EPA Victoria list of Certificates and Statements of Environmental Audit.
- Review of four previous environmental reports within the Precinct (with two relating to the central portion of the Precinct and two relating to the southern portion).
- Review of two environmental audit reports relating to off-site properties.
- An historical review of individual land parcels within the northern portion of the Precinct comprising:
 - A review of historical aerial photographs to assess historical land uses of the northern portion of the Precinct and the surrounding land;
 - A review of publicly available information pertaining to the northern portion of the Precinct including but not limited to local council records, publicly available historical maps and records (where available) and local historical society information; and
 - A review of plans relating to current and past underground and above ground services, including sewers, storage tanks or transfer lines.

A number of supporting scope items relating to publicly available information from particular agencies and historical certificates of title were not completed as the project objectives were able to be achieved without this information.

1.3.2.2 Site Inspection

A Site inspection was undertaken on 2 February 2018 to identify potential contamination sources or visible evidence of contamination, particularly focusing on:

- Identifying exposed soil and noting, where present, visual evidence of potential contamination (e.g. odour, staining, discolouration);
- Identifying evidence of current or former sources of potential contamination including:
 - Facilities for waste disposal or contamination;
 - Infrastructure involving the use of chemicals or fuels;
 - Chemical and fuel storage facilities; and
 - Potentially contaminated production processes.
- Identifying evidence of site cutting, filling or subsidence and the associated potential for importation of fill material;
- Identifying evidence of chemical or fuel spills, accidents, fire events, surface staining, surface scarring or stressed vegetation;
- Identifying evidence of groundwater and surface water occurrence, groundwater seepage and water movement (drainage ditches); and

- Identifying evidence of quarrying, mining, land filling or other bulk earthmoving activities.

Notes from the Site visit are summarised in **Table 2** and provided in **Appendix B**.

1.3.3 Stage 3 - Reports

This report has been prepared and outlines the findings and recommendations from Stages 1 and 2 of the scope of work and includes the following, as stipulated by VPA:

- An assessment of findings of the desktop review and site inspection;
- Recommendations for management and/or remediation and any requirements for additional work in terms of environmental contamination;
- Confirmation of suitability of properties for sensitive uses in accordance with the Potentially Contaminated Land General Practice Note, June 2005 (e.g. Environmental Audit, Site Assessment);
- Confirmation of the environmental suitability of constructing large underground water tanks within the proposed central park and Marlborough Street Reserve with consideration to the potential for displacement / further dispersion of contaminated groundwater and pollutants in the soil;
- A detailed plan of the precinct clearly showing all properties assessed during Stage 2 and resultant contamination and groundwater findings;
- Associated maps, plans, tables, graphs, data sheets, and aerial photographs etc that have informed the report's findings and illustrate existing/historic conditions; and
- Confirmation whether the site can be appropriately remediated (if required, and if possible) for the proposed redevelopment, including whether an EAO is an appropriate control.

2 Precinct Description and Environmental Setting

2.1 Precinct Details

The Precinct is known as East Village and is defined by VPA as a number of land parcels within a 24 hectare area on the corner of East Boundary and North Roads, Bentleigh East, Victoria.

The specific focus of this assessment is the northern portion of the Precinct which is bounded by East Boundary Road to the west, North Road to the north, residential properties and Dromana Avenue to the east and Griffith Avenue to the south, with industrial land uses and carparks further afield (which form the central portion of the Precinct).

The Precinct and specific investigation area are presented on **Figure F1** and **F2**. Specific parcel identifiers for the northern portion of the Precinct are presented on **Figure F2**.

Both the central and southern portion of the Precinct (as shown on **Figure F2**) currently comprise various commercial / industrial land uses and these areas have been subject to previous assessments as described in Section 4. It is understood that the intended future land uses comprise multiple options including commercial, residential and retail use. These are shown on **Figure F3**.

Additional Precinct-specific information is provided in **Table 1** below.

Table 1 Supplementary Site Details

Item	Details
Land Title Information	Numerous parcels as described in Appendix A
Local Government Authority	Glen Eira City Council
Current Zoning and Planning Overlays	Industrial Zone 1 (IN1Z) Commercial 1 Zone (C1Z) Commercial 2 Zone (C2Z) Public Park and Recreation (PPRZ) Neighbourhood Residential Zone – Schedule 1 Special Building Overlay (SBO) - in part Development Plan Overlay (DPO2) – in part Environmental Audit Overlay (EAO) – in part
Certificates and Statement of Environmental Audit	As described in Section 4.3

2.2 Current Land Uses – Northern Portion

Current land uses of the northern portion of the Precinct are based on a site visit completed on 2 February 2018, notes from which are provided in **Appendix B**. Key photographs taken during the site visit are presented in **Appendix C**. Key summary information from those notes is provided below:

Table 2 Current Land Use Summary

Land Use Type	Specific Parcel ¹ Description	Comments
Residential	Parcels 34 - 39	Parcel 37 has included bulk storage of vehicles over time
Commercial / Industrial – Automotive Repair, Maintenance and storage	Parcels 1, 5, 10 – 12, 14, 16, 18, 19, 21 – 27, 29 – 33,	Numerous examples including Carnegie Automotive, Jeff Hind Smash Repairs, McKinnon Smash Repairs, Rova Range Automotive, Smart Smash Repairs, Honda dealership and support services, Macrow Automotive and Tayfell Automotive.
Commercial / Industrial – Automotive spare parts	Parcels 2,3, 40 and 41	Repco
Commercial / Industrial – Hire Car Depot	Parcel 9	AVIS / BUDGET depot
Commercial / Industrial – Service Station	Parcel 19	United
Commercial / Industrial – Storage and metal fabrication	Parcel 17	Technology Exchange Pty Ltd
Commercial / Industrial – Electroplating	Parcel 28	Don Blight Electroplating
Commercial / Industrial – Self Storage	Parcels 4 and 6	Wilson Storage
Commercial / Industrial – Light and sound	Parcel 7	Pro Light and Sound
Commercial – Dance studio	Parcel 8	Dance 101 Studio
Commercial – Sweets Shop	Parcel 20	Sweetas

Notes: 1.Parcel numbers have been assigned by BlueSphere for ease of referencing in this report.

Key observations made during the site visit are shown on **Figure F4**.

2.3 Surrounding Land Uses

The Precinct is bounded by public park space to the south, residential land to the east, North Road and public park space to the north and East Boundary Road and residential land to the west.

2.4 Topography

The topography of the Precinct and surrounding area is shown on the Elevation Contours plan (sourced from Property Boundaries & Topographic Data: State of Victoria – Department of Environment and Primary Industries) included within **Appendix A**. The Precinct surface has a higher surface elevation of approximately 49 mAHD at the south western corner and slopes to the approximate north-eastern corner to an elevation of approximately 44 mAHD.

On a local scale, parcels on the eastern and western side of the northern portion of the Precinct appeared to have a slightly higher elevation (45 m AHD) than those in the centre (44 m AHD). The central and southern portions of the Precinct are also elevated (45 – 47 m AHD) relative to the northern portion.

The land surface gradually falls to the north / northwest from the northern portion of the Precinct and is bounded by higher elevations on either side.

2.5 Surface Water and Drainage

The closest natural surface water body is Scotchman's Creek, approximately 3 km northeast of the Precinct. Port Phillip Bay is located approximately 7 km west of the Precinct. Numerous man-made surface water features also exist in the region.

Surface water would be expected to follow topographic elevation in the area (with relatively limited infiltration) and ultimately move via the various networks of stormwater drains in the Precinct.

A Special Building Overlay (SBO) is present over the central and northern portions of the Precinct as shown on the "Planning Overlays" figure included in Lotsearch (2018). The SBO is a Victoria Planning Provision (VPP 44.05) and the purpose of the SBO is *"to identify land in urban areas liable to inundation by overland flows from the urban drainage system as determined by, or in consultation with, the floodplain management authority."* A permit is required to construct buildings and/or carry out other development works as listed in the VPP to ensure that *"development maintains the free passage and temporary storage of floodwaters, minimises flood damage, is compatible with the flood hazard and local drainage conditions and will not cause any significant rise in flood level or flow velocity"*.

2.6 Climate

A review of Bureau of Meteorology (BoM) 'Climate Data Online' website on 8 February 2018 indicated the closest weather station with rainfall statistics to the Site is Bentleigh station number 086006. The station has rainfall data collected between 1937 and 2006. The highest rainfall is expected to occur in the months between May through to October.

2.7 Geology

Based on a review of the available literature, the regional geology can be summarised as follows (from shallowest to deepest):

- Undifferentiated lagoon (lake) and swamp deposits, comprising silt and clay, with minor amounts of peat and rarely dolomite. Quaternary age.
- Brighton Group non-marine sands, sandy clay, silt, gravel; locally altered to quartzite ("grey billy") and porcellanite. Early Pliocene to Late Miocene age.
 - Red Bluff Sand Formation: sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone. Pliocene to Miocene age.
- Gellibrand Marl Formation marine shelf deposits: clay, marl and worm-burrowed calcarenite, fine to medium grained quartz and detrital calcareous fossil fragments in clay matrix, moderately sorted, massive to well bedded. Late Miocene to Oligocene age.
- Undifferentiated sandstone, mudstone, shale and siltstone. Silurian age.

The Quaternary deposits (where present) are typically thin across Melbourne's south-eastern suburbs, perhaps less than one metre in thickness. The combined thickness of the Brighton Group and Gellibrand Marl Formation in this area is approximately 60 m (Leonard 1979). Thompson and Harris (1972) estimate respective thicknesses of 30 m and 10 m for these units in southeast Melbourne.

Locally, the precinct overlies within two geological units (Lotsearch, 2018):

- The majority of the Precinct has surficial veneer of Pleistocene to Holocene age swamp and lake deposits (geological unit: Qm1) with grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite.
- The north eastern corner lies within the Miocene to Pliocene aged Red Bluff Sandstone (geological unit: Nbr) with sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone. Notwithstanding this, the entire precinct is underlain by Tertiary aged Brighton Group sediments.

The Atlas of Australian Soils (Lotsearch, 2018) describes the soils within the area of the Precinct as "Cb23": Coastal plains: plains of leached sands and other soils in association with sandy acidic yellow mottled soils and small areas of soils with dunes of leached sands on dune crests and on dune slopes; and with small swampy areas and possibly some lunettes both with undescribed soils.

The Atlas of Australian Acid Sulfate Soils (Lotsearch, 2018) indicates the Precinct lies within an area of extremely low probability of occurrence of acid sulfate soils (1-5% chance of occurrence with occurrences in small localised areas).

2.8 Hydrogeology, Groundwater Quality and Beneficial Use

The Precinct is located within the Port Phillip Basin. The upper most aquifer beneath the precinct is the Brighton Group Aquifer (referred to herein as the BGA). This aquifer is described as consisting of sand, gravel, clay and silt and generally ranges in thickness from 5 – 34 m bgl regionally (VVG 2016). Multiple water bearing zones exist within the BGA (comprising the upper and lower BGA). The BGA is a multi-layer sedimentary aquifer system and the BGA is underlain by the Gellibrand Marl Aquitard, occurring between the depths of 34 and 36 m bgl. The BGA is unconfined.

Based on Lotsearch (2018), total dissolved solids (TDS) are expected to be less than 500 mg/L for the BGA. It is also noted that Senversa (2016) reported field measured TDS concentrations (inferred from electrical conductivity measurements) to range from 193 mg/L to 1,219 mg/L within groundwater monitoring wells within the central portion of the Precinct. In accordance with the State Environment Protection Policy (SEPP) (Groundwaters of Victoria) (SEPP GoV) this would conservatively classify the groundwater as Segment A1. The following beneficial uses require protection (i.e. from being polluted) for Segment A1 groundwater:

- Maintenance of Ecosystems;
- Potable water (desirable);
- Potable mineral water supply;
- Agriculture, parks and gardens;
- Stock watering;
- Industrial water use;
- Primary contact recreation; and
- Buildings and structures.

2.9 Groundwater Bore Search

A groundwater bore search was completed by Lotsearch (Lotsearch, 2018). This report is provided as **Appendix A**. A summary of the groundwater bore information is provided below.

A total of 136 registered bores were located within a 2 km radius of the northern portion of the Precinct, with a variety of uses registered including domestic, stock, irrigation, observation, investigation, environment, commercial and unknown use. The closest bores are registered on Site and are investigation bores for the central and southern portions of the Precinct.

There are 7 domestic bores registered within a 2 km radius of the Precinct ranging between depths of 17.37m and 32 m. The closest domestic bore (#88711) is located approximately 250 m to the north east of the northern portion of the Precinct and has a recorded installation depth of 23 m.

3 Precinct History

Historical information was obtained for the northern portion of the Precinct to meet the project objectives of determining potentially contaminating activities that may have previously occurred. The Lotsearch (2018) report is included as Appendix A and includes the following information:

- Historical aerial photographs;
- Topographical information;
- EPA searches;
- Historical business activities;
- Geology and hydrogeological information; and
- Planning zones;

The Lotsearch (2018) information has been summarised in this section.

3.1 Aerial Photographs

A total of 12 historical aerial photographs from 1931 to 2015 from Lotsearch (2018) were reviewed. A summary of the northern portion of the Precinct and surrounding land use changes over the period is provided in **Table 3** below.

Table 3 Historical Aerial Photograph Summary

Year	Precinct (Northern portion)	Surrounding Land
1931	Land appears to be vacant or used for agricultural purposes. There are three or four structures present at the northern portion of the Site which appear to be associated with agricultural use (i.e. houses and/or sheds). East Boundary and North Roads are present. A diagonal lane or drain is present running in a north west direction in the centre of the northern portion.	Land appears to be vacant or used for agricultural purposes. Central and Southern Portions: A few houses and/or sheds associated with agricultural land use are present. An oval is located to the north across North Road.
1945	There is a dark unknown feature present at the western end of the northern portion of the Site. This may be excavations and/or a water body and is located to the north of the existing house/ shed structure. The remainder of the northern portion is as per the 1931 aerial photograph and appears unchanged. The diagonal lane/drain is present	Surrounding land use appears unchanged.
1954	Significant building development has occurred on the northern portion of the Site and there are many large commercial/ industrial type structures present (buildings, sheds etc). Three houses are present at the eastern end, facing North Road. A large shed structure is present in the location of the dark unknown feature shown in 1945.	Significant housing development has occurred to the west and east of the Site. Central Portion: A large commercial/industrial structure is present at the western end (most likely the manufacturing plant for Patons Brake Replacements (PBR) Pty Ltd (owned by Repco Limited)) with land appearing vacant and/or agricultural land use in other areas. Southern Portion: A large commercial/ industrial

Table 3 Historical Aerial Photograph Summary

Year	Precinct (Northern portion)	Surrounding Land
		structure is present in the south eastern corner with a possible pipe connection to a rectangular possible uncovered settling tank. Vacant and/or agricultural land use in other areas. An oval is still present to the north across North Road.
1966	Further development of structures has occurred in the northern portion of the Site. New commercial/ industrial structures appear to be present at the western end. Three additional houses appear at the eastern end of the northern portion, facing Cobar Street. The roads within the northern portion appear clearer and are possibly now sealed.	Further in-fill of housing to the west, east and north-east of the Site has occurred since the previous aerial photograph. Building/ structures appear to the north-west across the road intersection. Central Portion: Several large industrial structures are present which are likely associated with PBR. Southern Portion: Several large structures now present and likely associated with the manufacture of tobacco by W/D & H.O. Hills.
1974	Generally, the northern portion of the Site remains unchanged. Many commercial/ industrial type structures remain with some redevelopment of new structures in the central area of the northern portion.	The surrounding area generally remains unchanged. Central Portion: Some extensions to structures and additional structures appear likely relating to the brakes manufacturing plant. Southern Portion: No changes noted.
1979	Generally, the northern portion of the Site remains unchanged.	The surrounding area generally remains unchanged.
1981	Generally, the northern portion of the Site remains unchanged.	The surrounding area generally remains unchanged.
1987	Generally, the northern portion of the Site remains unchanged.	The surrounding area generally remains unchanged.
1991	Generally, the northern portion of the Site remains unchanged.	The surrounding area generally remains unchanged.
2000	Generally, the northern portion of the Site remains unchanged.	The surrounding area generally remains unchanged. Tennis courts appear to be constructed to the north across North Road adjacent to the oval. Redevelopment of the land is occurring diagonally across the intersection to the north-west of the northern portion. Southern Portion: Further development is noted in the south western and south eastern areas, including the construction of new buildings, additional car parking and a second connection to East Boundary Road.
2009	Generally, the northern portion of the Site remains unchanged. Approximately 15 cars	The surrounding area generally remains

Table 3 Historical Aerial Photograph Summary

Year	Precinct (Northern portion)	Surrounding Land
	are noted in the backyard of one of the residential properties at the eastern end of the northern portion.	unchanged.
2015	Generally, the northern portion of the Site remains unchanged. Approximately 15 cars are again noted in the backyard of one of the residential properties at the eastern end of the northern portion.	The surrounding area generally remains unchanged. Two new structures associated with the oval and tennis courts are present across North Road to the north.

3.2 Historical Business Directory Records

Historical business directory records have been included in the Lotsearch (2018) report from UBD Business to Business directories dated 1950, 1965, 1974, 1977, 1980, 1984 and 1991. The business activities for each land parcel has been summarised in **Appendix B** with the map reference numbers shown on **Figure F2**. These records indicate several commercial and industrial businesses have been present at the northern portion of the Precinct. The potentially contaminating activities (PCAs) identified in these records are discussed in more detail in **Section 5**.

3.3 Review of completed Certificates and Statements of Environmental Audit

A review of EPA records of the completed environmental audits within 1 km of the Precinct identified 16 completed audits as indicated in the Lotsearch (2018) report. The locations are included on a plan in the Lotsearch (2018) report in **Appendix A**.

According to these records, one of the audit sites is located within the southern portion of the Precinct (CARMS No. 58597-1: 236-262 East Boundary Road, Bentleigh East) and one audit site is located immediately adjacent to the east of the Precinct (CARMS No. 70850-1: 27 Dromana Avenue, Bentleigh East). The audit site located at 27 Dromana Ave is noted to have an EPA Groundwater Quality Restricted Use Zone (GQRUZ). The location of these audit sites are shown on **Figure F3**.

It is also noted that an environmental audit is understood to have been undertaken in the north eastern corner of the central portion of the Precinct according to the Senversa (2017) report. However, no information regarding this audit site was found on the public databases. Attempts have been made with EPA Victoria to clarify the status of the audit report in question, however, this information had not been received by the time of issue of this report. Senversa (2017) reported that the statutory environmental audit was undertaken at the former Plant 5 located at part of 16 Griffith Ave, Bentleigh East and found this area *“to be suitable for future used as a sensitive land use (including childcare purposes) subject to the following conditions summarised below:*

- *There are no substantive changes to the proposed early learning centre without review and acceptance by an EPA appointed auditor.*
- *As groundwater was found to be polluted, groundwater must not be used for any beneficial use without prior testing and review of results by an EPA appointed auditor.”*

3.4 Review of EPA Victoria Priority Sites Register

A search of the EPA Victoria Priority Sites Register (PSR) (Lotsearch, 2018) identified no current or former sites on the PSR with a pollution abatement notice or other notices from the EPA in the vicinity of the northern portion of the Precinct.

3.5 EPA Licensed Activities

A review of EPA records did not identify any former or current EPA licensed activities or works approvals within the northern portion of the Precinct.

3.6 Waste Management Facilities

A review of Waste Management Facilities database (Lotsearch, 2018) indicates the presence of a former waste disposal site located approximately 325 m to the north of the Precinct.

3.7 Review of Underground Services

BlueSphere completed a search of Dial Before You Dig (DBYD) for the Precinct and these plans are included in **Appendix D**. A summary of the services expected is included in **Table 4** below.

Table 4 Summary of Service Plans

Service	Comment
Drainage (Melbourne Water)	A drainage pipeline is shown to run diagonally across the northern portion of the site (from the centre of the northern portion to the south east) and then to the south along the eastern boundary of the Precinct. The location of this drainage pipeline corresponds with a sewer/ drainage line shown on a 1954 Metropolitan Melbourne Board of Works plan (page 68 of Lotsearch 2018)
Stormwater	City of Glen Eira pipes are shown to run along the southern end of the northern portion of the Precinct, along Griffith Ave and also through the western end of the northern portion, along East Boundary Road and along Murra St.
Gas	Multinet Gas pipelines are shown on the DBYD plans in various locations at the entire Precinct, with several connections shown in the northern portion of the Site, along North Road, East Boundary Road and into the central and southern portions of the Precinct.
Communications	Several communications services are present at the Precinct including NBN, Telstra, Nextgen and Optus.
Power	Underground power services are present at the Precinct at a number of locations as shown on the DBYD plans.
Water and Sewer	South East Water and sewer plans indicate several underground services in the northern portion of the Precinct. The sewer is shown in several locations, including the historical location of the sewer which runs diagonally across the northern portion of the Precinct.

4 Review of Previous Reports

4.1 Background

Five previous environmental reports relating specifically to the East Village precinct have been provided by VPA for review.

The following report focuses on the East Village precinct as a whole:

- Senversa (19 September 2017) Draft Environmental Conditions Summary, East Village Precinct, Bentleigh East

The following reports focus on the central portion of the East Village precinct:

- Senversa (22 January 2016) Passive Soil Vapour, Soil and Groundwater Assessment Report, 240-246 East Boundary Road, Bentleigh East; and
- Environmental Risk Sciences (18 October 2012) Human Health Risk Assessment Former Manufacturing Facility, East Bentleigh.

The following reports focus on the southern portion of the East Village Precinct:

- LRM Global Pty Ltd (March 2015) Environmental Site Assessment Phase I, For Works: 236-262 East Boundary Road, Bentleigh East; and
- LRM Global Pty Ltd (August 2015) Environmental Site Assessment, For Works: Virginia Park, Bentleigh East.

In addition, the following two audit reports for sites located across the road to the north west of the Precinct and adjacent to the Precinct to the east have also been provided by VPA:

- Coffey (February 2014) Kingsland Group Pty Ltd, 53X Environmental Audit Report, 341-355 Murrumbeena Road, Murrumbeena, EPA Service Order Number: 8003991, CARMS Number: 70495-2; and
- Bureau Veritas HSE Pty Ltd (October 2013), Environmental Audit Report, 27 Dromana Avenue, Bentleigh East, Victoria, EPA Reference 70850-1.

The following audit report has been included in this review as the area it relates to is located at the south-eastern corner of the Precinct.

- IT Environmental (Australia) Pty Ltd (July 2006) Environmental Audit Report, 236-262 East Boundary Road, Bentleigh East, Victoria, 3165, CARMS Number: 58597-1.

4.2 Senversa (2017) Draft Environmental Conditions Summary, East Village Precinct, Bentleigh East – Peer Review

Senversa (2017) conducted a high-level review of existing audits and assessment reports for the properties within the Precinct. A total of 6 historic environmental reports were referenced, but no report-specific summary of each was conducted. Senversa (2017) noted that the southern portion of the Precinct has an EAO applied under the Glen Eira Planning Scheme.

An anomaly is noted for one of the completed audit reports referenced for an audit site located within the central portion of the Precinct at part of 16 Griffith Avenue, Bentleigh East (Peraco, 2015). Reference to this audit site and the associated Groundwater Quality Restricted Use Zone, as shown on Figure 1 of the Senversa (2017) report, has not been found on the EPA database or any other sources. As such this report has not been included in the peer reviews. The location of this audit site is shown on **Figure F3** and **Figure F4**, however the status of this audit report and Groundwater Quality Restricted Use Zone has not been able to be clarified for this report despite attempts made with EPA.

It was assumed that work conducted by other consultants was thorough and adequate for the objectives of the Senversa (2017) report. It is noted that the client for the Senversa report was

MAKE EBRB Dev Nominee Pty Ltd (MAKE), which owns a portion of the central precinct. The stated objectives of the Senversa report are similar, but not identical to the VPA scope of work.

Key conclusions identified by Senversa were that:

- There were no significant known off-site risks;
- Soil and groundwater impacts could be effectively managed through remediation and post-audit monitoring;
- Bioremediation could effectively manage the chlorinated solvent and petroleum hydrocarbon impacts in groundwater within the precinct;
- A Clean Up to the Extent Practical (CUTEP) determination by EPA or an environmental auditor is likely to be required;
- A Groundwater Quality Restricted Use Zone (GQRUZ) is likely to be required; and
- The Environmental Audit Overlay (EAO) could be extended across the entire precinct.

Upon review of the available data in the Senversa (2017) report, BlueSphere generally concurs with the methodology and conclusions presented. A complicating factor for the eventual development of the Precinct will be the piecemeal approach to environmental assessment, remediation and establishment of GQRUZs. As the Precinct may be developed under many different development plans and environmental audits, the cumulative environmental costs for Precinct development may be large. Furthermore, major source areas may become more expensive to remediate if adjacent properties are constructed without consideration of potential off-site contaminant migration. A Precinct-wide approach for the assessment of the nature and extent of groundwater contamination, similar to that adopted for the Fishermans Bend Urban Renewal Area, may be worthy of consideration.

Noted data gaps within the discussion of the current site status includes the potential presence of asbestos in existing aboveground and underground structures, as well as the potential use of asbestos in brake manufacturing that occurred in the central portion of the Precinct. It is also noted that ammonia, hydrochloric acid, toluene and methyl ethyl ketone were commonly utilised in cigarette manufacturing (Novotny, T.E. et al 2015), and that cigarette manufacturing historically occurred in the southern portion of the Precinct. Based on the summary of other reports by Senversa, it is unclear if these have been considered as potential contaminants of concern. This may represent a data gap to be assessed as part of the future development of the southern portion of the Precinct.

The largest remaining data gap is the contamination status of the northern portion of the Precinct for which publicly available information does not currently exist. Based on the number of investigation bores present within the northern portion (as viewed at Visualising Victoria's Groundwater (VVG) website - <http://www.vvg.org.au/>), it is likely that some investigations have occurred near selected auto mechanics workshops.

4.3 Previous Reports Summary

In addition to the review completed for the Senversa report, high level reviews have also been completed for those reports listed in Section 4.1 as summarised in **Table 5** below.

Table 5 Summary of Previous Reports

Title	Location	Chemicals identified	Groundwater Information	Comment/ Remediation undertaken
Senversa (22 January 2016) Passive Soil Vapour, Soil and Groundwater Assessment Report, 240-246 East Boundary Road, Bentleigh East	Central Portion: western area	Chlorinated hydrocarbons (CHCs) – 5 groundwater plumes identified, lateral and vertical extent are not confirmed. Total recoverable hydrocarbons (TRH)	Shallow aquifer 3 to 5 m below ground level (bgl), flow direction to the north or north east Deeper aquifer approximately 11 to 14 m bgl, flow direction to the north, slightly north-west	In situ chemical oxidation within main known TCE source area since 2008. Senversa noted contaminant concentrations appear to have reduced in some wells as a result of the remediation, however contaminant mass remains in groundwater above screening levels at multiple locations across the site.
Environmental Risk Sciences (18 October 2012) Human Health Risk Assessment Former Manufacturing Facility, East Bentleigh	Central portion: eastern area	CHCs TRH naphthalene	Shallow aquifer 0.9 to 1.3 m below ground level (bgl), flow direction to the north to north east	Human health risk assessment for ongoing commercial/industrial use, including future buildings constructed with a basement car park. Without further risk mitigation measures (remediation or installation of a vapour barrier) this area is not considered suitable for use as a childcare centre. Report has not addressed off-site risks or environmental risks as this was not part of the scope.
LRM Global Pty Ltd (March 2015) Environmental Site Assessment Phase I, For Works: 236-262 East Boundary Road, Bentleigh East	Southern Portion	CHCs TRH	Not assessed or provided	Phase 1 ESA only
LRM Global Pty Ltd (August 2015) Environmental Site Assessment, For Works: Virginia Park, Bentleigh East	Southern Portion	CHCs TRH Metals/metalloids (Al, As, Be, Cd, Cr, Co, Cu, Fe, Mn, Ni, Zn)	Shallow aquifer 1.1 to 4.7 m bgl, flow direction to the north to north-east	No remediation undertaken

Table 5 Summary of Previous Reports

Title	Location	Chemicals identified	Groundwater Information	Comment/ Remediation undertaken
IT Environmental (Australia) Pty Ltd (July 2006) Environmental Audit Report, 236-262 East Boundary Road, Bentleigh East, Victoria, 3165, CARMS Number: 58597-1	Southern Portion: South-eastern corner of the Precinct	Metals/metalloids (As, Bo, Vn), cyanide, benzo(a)pyrene and PAHs in fill material Metals (Co, Cu, Zn) in groundwater	Shallow aquifer 4.2 m bgl	CUTEP not required Site considered suitable for proposed use as child care centre subject to audit conditions (maintain surface coverings to prevent direct contact with underlying fill)
Coffey (February 2014) Kingsland Group Pty Ltd, 53X Environmental Audit Report, 341-355 Murrumbeena Road, Murrumbeena, EPA Service Order Number: 8003991, CARMS Number: 70495-2	Off-Site: Across the intersection of North Rd and East Boundary Rd to the north-west	Metals (Al, Cu, Fe, Ni, Zn) in groundwater considered to be background levels Metals/metalloids (As), PAHs and TPH in surficial fill	Shallow aquifer 1.56 to 2.01 m bgl, flow direction to north-east	Audit conditions include limitations to the beneficial uses of the site; provision of adequate barrier systems to prevent exposure to the residual contamination; and application of a Construction and Environmental Management Plan for this audit site to ensure that the contaminated soil does not impact on construction workers
Bureau Veritas HSE Pty Ltd (October 2013), Environmental Audit Report, 27 Dromana Avenue, Bentleigh East, Victoria, EPA Reference 70850-1	Off-Site: Adjacent to the east of the central portion of the Site	CHCs, metals in groundwater Ni and Zn in shallow fill	Shallow aquifer 1.43 m bgl, flow direction to the north-east over majority of the audit site and to the south-west in the north eastern portion of the audit site. Possibly influenced by sewer	CHCs may be present in sewer which runs along eastern boundary of audit site. No remediation undertaken, no CUTEP required.
<i>Peraco (2015)¹</i>	<i>Central Portion: north eastern corner of central portion</i>	<i>Petroleum hydrocarbons, ammonia, metals (As, Be, total Cr, Co, Cu, Ni, Fe, Mn and Zn), nitrate, sulfate, pH in groundwater</i>	<i>Unknown/not available</i>	<i>Unknown if remediation occurred, audit site considered suitable for child care use subject to audit conditions</i>

Notes: 1. This report has not been reviewed; the information was obtained from Senversa (2017). The status of this audit report is to be confirmed.

5 Summary of Potential Sources of Contamination

Based on review of historical information pertaining to the northern portion of the Precinct and the recent site inspection, potential sources of contamination have been identified. A summary for the northern portion of the Precinct is provided in **Table 6** below along with the associated contaminants of potential concern (COPCs). The COPCs are based on the “chemical contaminants listed by industry type” listed in Australian Standard AS 4482.1-2005. The potential sources of contamination noted during the site inspection are included on **Figure F4**.

Table 6 Potential Sources of Contamination (Northern Portion)

Activity/ Source (Past and / or current)	Contaminants of Potential Concern
Automotive dealers	Hydrocarbons, solvents
Automotive parts/accessories manufacturers/distributors	Hydrocarbons, metals, solvents, acid/alkalis
Automotive repairers, panel beaters, spray painters, engine reconditioners, motor body builders	Hydrocarbons, metals, solvents, acid/alkalis, refrigerant, antifreeze
Timber merchants	Metals/metalloids (chromium, copper, arsenic) naphthalene, ammonia, pentachlorophenol, dibenzofuran, anthracene, biphenyl, ammonium sulfate, quinoline, boron, creosote, organochlorine pesticides
Pottery manufacturers	Hydrocarbons, metals, solvents, acid/alkalis, refrigerant, antifreeze
Automotive exhaust systems, mufflers manufacturers/ distributors, brakes specialists	Hydrocarbons, metals, solvents, acid/alkalis
Automotive windscreens	Hydrocarbons, metals, solvents,
Particle board, plywood, door manufacturers/distributors	Metals, solvents, formaldehyde
Blind manufacturers	Dyes, solvents, metals, formaldehyde, flame retardants, phenols, antifungal and antibacterial agents, detergents
Laminated materials manufacturers and distributors	formaldehyde
Boat and yacht builders, repairs, storage	Hydrocarbons, metals, solvents
Packing supplies (British United Chemicals Pty Ltd)	Range (metals, hydrocarbons, solvents)
Paints manufacturers (including anti-corrosive), resin manufacturers, enamel, stain and varnish manufacturers	Heavy metals (arsenic, barium, cadmium, chromium, cobalt, lead, manganese, mercury, selenium, titanium, zinc), solvents, hydrocarbons, chlorinated organics
Electrical clock manufacturers	Metals, solvents

Table 6 Potential Sources of Contamination (Northern Portion)

Activity/ Source (Past and / or current)	Contaminants of Potential Concern
Service Station (BP historically) and United	Hydrocarbons, benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, phenols, lead
Cranes & forklift hire	Hydrocarbons, metals
Motor electricians, motor magneto and generator repairs	Hydrocarbons, polychlorinated biphenyls, solvents
Welders- electric and/or oxyacetylene	Metals, hydrocarbons, solvents
Amoco Self service	Hydrocarbons, benzene, toluene, ethylbenzene, xylenes, polycyclic aromatic hydrocarbons, phenols, lead
Clothing manufacturers and/or wholesalers	Dyes, solvents, metals, formaldehyde, flame retardants, phenols, antifungal and antibacterial agents, detergents
Earth moving and excavating contractors	Hydrocarbons, metals
Founders non ferrous	Metals, acids, solvents
Steel fabricators	Metals, benzene, toluene, ethylbenzene, xylenes, phenolics, polycyclic aromatic hydrocarbons
Plumbers, gasfitters and drain layers	Metals, solvents
Copper brazing, bearing manufacturers (Bi-Metal Industries Pty Ltd)	Metals
Motor car radio specialists sales/service	Metals, solvents, polychlorinated biphenyls
Founders – Brass (Clemer Brass Foundry)	Metals, acids, solvents
Printers	Acids, alkalis, solvents, chromium
Agricultural land use (prior to development in 1950s)	Pesticides, herbicides, fertilisers, nitrates
Asbestos (in buildings)	Asbestos
Power substation/transformer yard ¹	Hydrocarbons, polychlorinated biphenyls, metals, asbestos
Chemical storage (paints, cleaners, solvents)	Metals, solvents, hydrocarbons
Vehicle washdown areas	Hydrocarbons, metals
Waste storage	Range (metals, solvents, hydrocarbons)
Electroplating	Metals, acids
Sewer along boundary	Metals, chlorinated hydrocarbons, hydrocarbons,

Table 6 Potential Sources of Contamination (Northern Portion)

Activity/ Source (Past and / or current)	Contaminants of Potential Concern
	pathogens
Former buildings, sheds and other industrial infrastructure now demolished	Asbestos
Tiles shop (Fine Tiles)	Metals, solvents

Notes: 1. It is understood the transformer yard is not included as part of the northern portion of the Precinct but is located immediately adjacent to the south of the northern portion and north of the central portion of the Precinct.

6 Additional Precinct Considerations

6.1 Underground Water Storage

Impacts to soil within the central and southern portions of the Precinct have been identified in previous reports and the presence of current and historical potentially contaminating activities noted in the northern portion of the Precinct suggests potential for impacts to be present within its soils is likely. It is also likely that an Environmental Management Plan (and associated worker / general public health and safety measures) would be required to be implemented (i.e. be a planning application requirement) for any redevelopment of parcels within the northern and central portions of the Precinct, including excavations for the installation of underground water storage tanks. Important considerations for such EMPs are broadly described in EPA Publication 960. Off-site disposal, remediation and/or on-site re-use of potentially contaminated soils would also need to be considered within a cost/benefit analysis, due to the potential high costs associated with off-site disposal of contaminated soils. Locating the underground water storage tanks in areas where soils and groundwater are least contaminated could also be considered. Applicability would be based on intended land use, design and structural constraints.

It is noted that underground structures (tanks – assumed to be of various volumes) have been and are currently used for fuel storage throughout the Precinct.

6.2 Assessment in Support of Remediation

For areas / parcels where future assessment(s) identify potential unacceptable risk to human health or the environment, remediation will likely need to be undertaken.

Based on the current data set, the potential for remediation in support of a range of urban site uses is unable to be provided. In the event that suitable data was obtained for remediation assessment, the appropriate remedial method would be identified using the methods defined below.

6.2.1 Technology Assessment

As an initial screening process, a thorough review of identified remedial technologies would be undertaken to assess practicability of application for identified soil and groundwater contamination at each parcel within the precinct.

The assessment would include the suitability of the technology, based on the known contaminants of concern, availability of the technology and suitability for application in the Precinct-specific geological and hydrogeological setting.

The screening would be based on experience, knowledge of each technology and suitability for application to the known Precinct conditions.

The screening assessment should consider the four key criteria as described in EPA Publication 840.2 *The Cleanup and Management of Polluted Groundwater*, namely technical, financial, logistical and timing. A robust way of approaching this is described below.

A score ranging from 1 (low) to 5 (high) for each potential remedial technology would be assigned to each of the four criteria (note that in the case of the financial category, a higher ranking relates to a lower cost alternative).

A weighting factor would also be applied to each category for the purposes of calculating a total score. The following weighting factors are typically adopted for the screening assessment:

- Technical = 0.4;
- Financial = 0.3;
- Logistical = 0.2; and
- Timing = 0.1.

The score for each category is multiplied by a weighting factor and then summed to provide a total score for each technology.

The screening process is used to eliminate technologies that are not considered to be suitable for further detailed evaluation, on the basis that they are not suitable for the contaminants of concern, have a very high cost in comparison with other technologies, or are impractical in the context of addressing contamination.

Short-listed remediation options can then be assessed for parcels where risk assessments identify potential unacceptable risk to human health or the environment.

A probabilistic-based method can then be used to develop estimates of remedial costs and other liabilities (e.g. additional investigations, statutory audits, etc.) where risk issues are identified.

7 Environmental Audit Overlay

An Environment Audit Overlay (EAO) is a mechanism provided in the Victoria Planning Provisions and planning schemes to defer the requirements of Direction No. 1 (*Ministerial Direction No.1 – Potentially Contaminated Land*) for an environmental audit until the site is to be developed for a sensitive use. VPA has requested an opinion as to whether an EAO should be applied to the Precinct or parts of the Precinct. The *Potentially Contaminated Land General Practice Note* (Department of Sustainability and Environment, 2005) provides guidance about circumstances where the EAO should be applied. The general practice note states that “*by applying the overlay, the planning authority has made an assessment that the land is potentially contaminated land, and is unlikely to be suitable for a sensitive use without more detailed assessment and remediation works or management.*”

The General Practice Note (DSE, 2005) lists the following steps to identify the potential for contamination:

- Inspect the site;
- Identify whether an EAO exists over the site;
- Review any site analysis presented in accordance with Clauses 54.01-1 (single dwellings) and 55.01-01 (two or more dwellings) of planning schemes;
- Consider any available information about the site:
 - The current and previous zoning, ownership or activities carried out on the site.
 - Any previous investigations or site assessments conducted.
 - Any potential contamination from surrounding land uses.
- Review any lists of Certificates and Statements of Environmental Audit; and
- Review the EPA Priority Sites Register for information about sites with a current EPA Notice.

Following review of the information collected as part of this study, BlueSphere notes the following for the northern portion of the Precinct, in relation to the above steps:

- A site inspection has been undertaken and has identified several land uses listed in Table 1 of the General Practice Note as having high potential for contamination, with the exception of the residential properties at the eastern end;
- Historical information also indicates several previous land uses that are listed in Table 1 of the General Practice Note as having high potential for contamination;
- An EAO exists for the southern portion of the Precinct;
- Review of previous environmental reports for the central portion of the Precinct indicates groundwater flow direction is towards the north and that groundwater impacts (trichloroethylene - TCE) may be migrating across Griffith Avenue towards the northern portion of the Precinct. This was considered an important data gap in previous reports and it is understood that attempts had been made to assess this risk, but this has not been completed to date. It is possible that detected TCE in groundwater adjacent to Griffith Avenue may attenuate with distance down hydraulic gradient. Nonetheless, the presence of TCE in groundwater and associated vapour intrusion issues may have the potential to pose unacceptable human health risks to the current and future workers and occupants of the northern portion of the Precinct, in particular parcels 6, 14 – 17 and 24 – 33.
- There are six residential properties located at the eastern end of the northern portion of the Precinct. One of these properties has been registered as having a plumbing business between 1974 and 1984 and another of these properties has appeared to be used for car storage as seen on the 2009 aerial photograph. These activities may be considered potentially contaminating activities however the risks of causing significant contamination due to these activities alone are considered to be low. However, it is possible that these residential properties may be affected by migrating contaminated groundwater plumes originating from

outside of their boundaries that are present on other parts of the Precinct¹. This would need to be confirmed by further assessment;

- It is noted that the audit site reported by Senversa (2017) (with status of audit report unable to be confirmed at the time of writing this report) is located in the central portion of the Precinct, immediately adjacent to the south of the residential properties. The information included in the Senversa (2017) report regarding this audit site noted that groundwater was found to be polluted with elevated concentrations of petroleum hydrocarbons, ammonia, metals, nitrate and sulfate; and
- Noting the above, there is potential contamination from the surrounding land uses to be present at the northern portion of the Precinct.

On this basis, the application of an EAO appears warranted for all non-residential zoned land parcels within the northern portion of the Precinct and does not currently appear warranted for the existing residential land located at the eastern end of the northern portion of the Precinct. Based on the potential presence of TCE in groundwater and the past and present land uses within the northern precinct having a high potential for contamination, and given that an EAO does not trigger an audit requirement for redevelopment of a site for non-sensitive uses, it is also recommended that an environmental site assessment (Detailed Site Investigation) becomes an application requirement for future permits for selected parcels in this area (specifically parcels 6, 14 – 17 and 29 - 33). Such an assessment should be completed by a suitably qualified practitioner in contaminated land assessment. Should unacceptable risks be identified in such assessments, mitigation measures could include passive vapour barriers or more robust active mitigation systems, in addition to any other remedial activity that may be required. Notwithstanding these recommended planning based provisions, further investigation to fill the data gaps noted with respect to potential vapour intrusion risk on and adjacent to Griffith Avenue should be undertaken, irrespective of whether a planning scheme amendment is pursued.

¹ Based on localised groundwater flow direction reported at the central portion of the Precinct (to the north to north-east), the residential properties may be located cross hydraulic gradient from any groundwater impacts that may be migrating from the central portion of the Precinct and/or any unknown groundwater impacts from the northern portion of the Precinct.

8 Conclusions and Recommendations

8.1 Conclusions

BlueSphere was engaged by the VPA to undertake a Peer Review and Phase 1 Environmental Site Assessment (ESA) for a portion of the proposed East Village. The primary purpose of this study was assess the contamination status of the northern portion of the Precinct, in order to determine whether an Environmental Audit Overlay (EAO) should apply to some or all defined land parcels under the Victoria Planning Provisions.

Numerous historical assessment documents exist for sub-areas within the Precinct, including a draft report titled “Environmental Conditions Summary East Village Precinct, Bentleigh East” (Senversa, 2016), which was reviewed as part of this study.

A broad range of potentially contaminating activities (past and present) were identified to have occurred in the northern portion of the Precinct, including car maintenance and storage, vehicle smash repairs and cleaning, bulk fuel storage, electroplating, metal fabrication and waste storage. Potential contaminants of concern that may be present include petroleum hydrocarbons, metals/metalloids, solvents, chlorinated hydrocarbons, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, phenols, acids, pesticides, fertilisers, nitrates, asbestos, ammonia and formaldehyde.

It is considered that a number of land parcels within the northern portion of the Precinct would have a moderate to high potential for preclusion of some protected beneficial uses of land and groundwater (i.e. potential contamination could prevent certain uses of land and groundwater which are protected by law).

The nature and severity of contamination that may actually exist on land parcels within the northern portion of the Precinct is not currently well understood. On this basis, the most appropriate remedial solutions and their feasibility are also not currently known. However, a number of remedial approaches have been used in adjoining areas.

8.2 Recommendations

In consideration of all available data collected in this study (notably the site history information, the completed site visit and available data from adjacent audit and assessment reports), the application of an EAO appears warranted for all non-residential zoned land parcels within the northern portion of the Precinct.

In addition, an environmental site assessment (Detailed Site Investigation) should become an application requirement for future permits for selected parcels in this area (specifically parcels 6, 14 – 17 and 29 - 33).

The above recommendations are intended to ensure that the contamination risks associated with the redevelopment of the site are appropriately considered and addressed prior to construction. BlueSphere also notes that in addition to the contamination risks and planning controls identified above, it would be desirable for potentially affected landowners to undertake further investigation, in order to fill the data gaps identified with respect to potential vapour intrusion risk on and adjacent to Griffith Avenue.

Any future environmental investigations conducted on land parcels within the northern portion of the Precinct should be completed in accordance with the National Environment Protection (Assessment of Site Contamination) Measure (2013) and relevant Environment Protection Authority (EPA) legislation and guidance. Such assessments should be completed by a suitably qualified practitioner in contaminated land assessment.

9 References

Bureau Veritas HSE Pty Ltd (October 2013), Environmental Audit Report, 27 Dromana Avenue, Bentleigh East, Victoria, EPA Reference 70850-1

Coffey (February 2014) Kingsland Group Pty Ltd, 53X Environmental Audit Report, 341-355 Murrumbeena Road, Murrumbeena, EPA Service Order Number: 8003991, CARMS Number: 70495-2

Department of Sustainability and Environment (2005) *Potentially Contaminated Land General Practice Note*, June 2005

Environmental Risk Sciences (18 October 2012) Human Health Risk Assessment Former Manufacturing Facility, East Bentleigh

IT Environmental (Australia) Pty Ltd (July 2006) Environmental Audit Report, 236-262 East Boundary Road, Bentleigh East, Victoria, 3165, CARMS Number: 58597-1

Lotsearch (2017) Environmental Risk and Planning Report, North Road & East Boundary Road, Bentleigh East, VIC 3165

LRM Global Pty Ltd (March 2015) Environmental Site Assessment Phase I, For Works: 236-262 East Boundary Road, Bentleigh East

LRM Global Pty Ltd (August 2015) Environmental Site Assessment, For Works: Virginia Park, Bentleigh East

Ministerial Direction No. 1 – Potentially Contaminated Land 1989

Novotny, T.E. et al 2015. The environmental and health impacts of tobacco agriculture, cigarette manufacture and consumption, Bull World Health Organ. 2015 Dec 1; 93(12): 877–880.

Senversa Pty Ltd (2017) Environmental Conditions Summary, East Village Precinct, Bentleigh East, 19 September 2017

Senversa Pty Ltd (22 January 2016) Passive Soil Vapour, Soil and Groundwater Assessment Report, 240-246 East Boundary Road, Bentleigh East.

10 Limitations

This report was prepared for the sole use of the Victorian Planning Authority and should not be relied upon by any other person. None of BlueSphere Environmental Pty Ltd or any of its related entities, employees or directors (each a **BlueSphere Person**) owes a duty of care (whether in contract, tort, statute or otherwise) to any third party with respect to or in connection with this report and no BlueSphere Person accepts any liability for any loss or damage suffered or costs incurred arising out of or in connection with the use of this report by any third party.

The report has been prepared with the objectives and scope of work outlined in the proposal dated 19 December 2017. The work was carried out in accordance with VPA's contact terms.

The conclusions and recommendations provided in this report are based on available information and it is possible that different conclusions and recommendations could be made should new information become available, or with changing site conditions over time. These opinions, conclusions and recommendations are subject to uncertainty given the potentially complex nature of any subsurface environment. Variation in soil and groundwater conditions may vary significantly between the specific sampling and testing locations and other locations at the site.

The report will not be updated if anything occurs after the date of this report and BlueSphere Environmental Pty Ltd will not be obliged to inform any person of any matter arising or coming to its attention after that date.

Figures

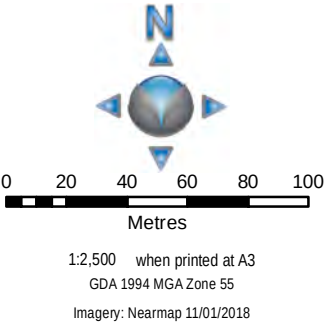


PROJECT ID 30619.01
DATE 13-Feb-18
CREATED BY AF



Legend

- Precinct Boundary
- Precinct Portion
- Parcel Boundaries
- Area of Contaminated Land Assessment

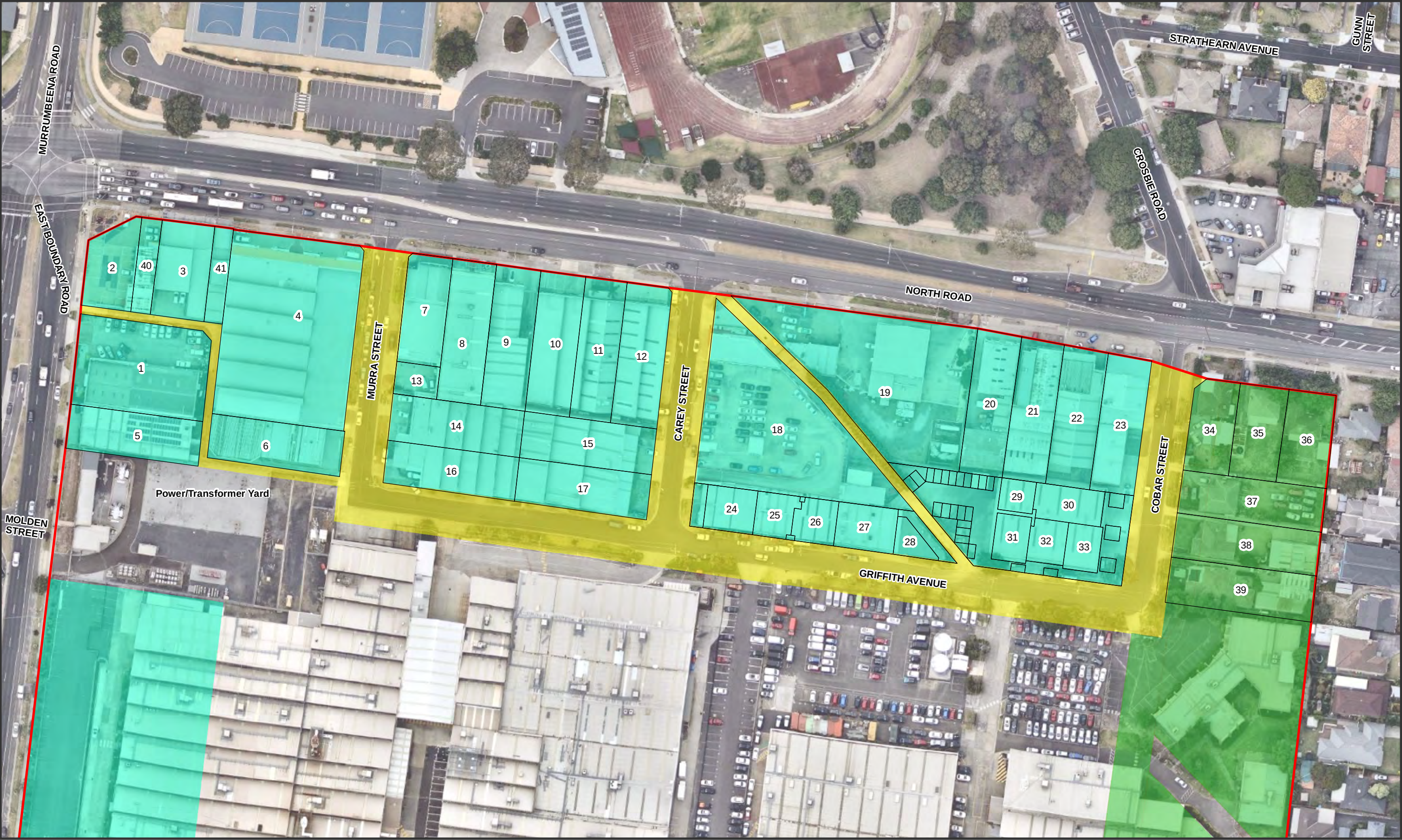


SITE LOCATION PLAN

**Peer Review & Phase 1
Environmental Site Assessment**

East Village,
Bentleigh East, VIC 3165
Victorian Planning Authority

Figure
F1



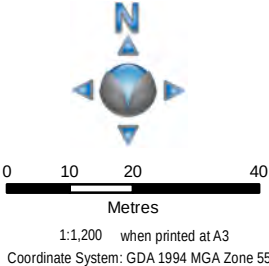


PROJECT ID: 30619.01
DATE: 12/07/2018
CREATED BY: LH

Data Source:
Land Use and Lots of Interest boundaries provided by Victorian Planning Authority
Nearmap Imagery: 11/01/2018

Legend

 Precinct Boundary	Land Use
 Roads	 Existing Road Reserve
 Watercourse	 Office
 Lots of Interest	 Residential



0 10 20 40
Metres
1:1,200 when printed at A3
Coordinate System: GDA 1994 MGA Zone 55

NORTHERN PORTION LAYOUT

*Peer Review & Phase 1
Environmental Site Assessment*

East Village,
Bentleigh East, VIC 3165
Victorian Planning Authority

Figure
F2



Legend

Precinct Boundary

Parcel Boundaries (Northern Portion)

28

Lots of Interest

Land Use

Electricity

Existing Road Reserve

Government School

Local Park

Mixed Use

Office

Residential

Retail

Retarding Basin/WQT Wetland

Urban Plaza

Widening/Intersection Flaring

Environmental Conditions - Senversa 2017

Environmental Audit Completed

Soil Conditions Likely Requiring Management

Groundwater Conditions Likely Requiring Management

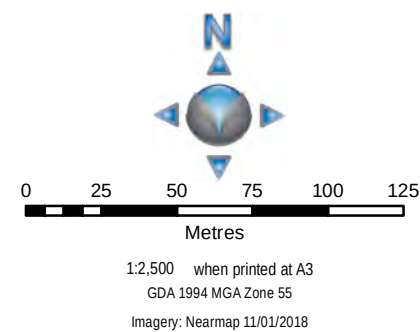
Groundwater Quality Restricted Use Zone

Data Source:

Land Use and Lots of Interest boundaries provided by Victorian Planning Authority

Environmental Conditions from Senversa 2017, Figure 1

Nearmap Imagery: 11/01/2018

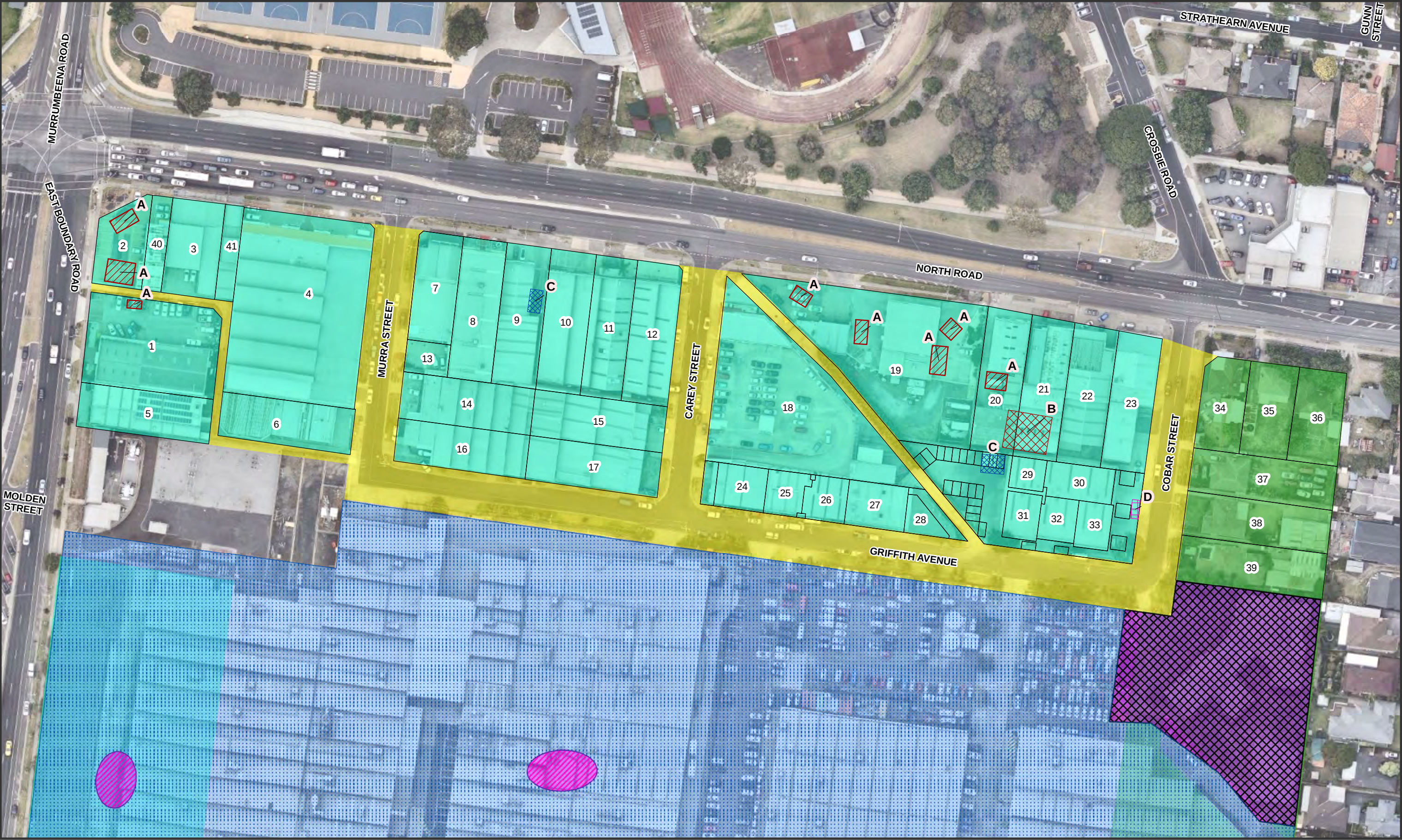


BROADER PRECINCT LAYOUT

Peer Review & Phase 1
Environmental Site Assessment

East Village,
Bentleigh East, VIC 3165
Victorian Planning Authority

Figure
F3





PROJECT ID 30619.01
DATE 12/07/2018
CREATED BY LH

Data Source:

Land Use and Lots of Interest boundaries provided by Victorian Planning Authority

Nearmap Imagery: 11/01/2018

Legend

— Roads

— Watercourse

□ Lots of Interest

Land Use

Existing Road Reserve

Office

Residential

Potential Sources of Contamination

A - UST

B - Group of USTs

C - Washdown Area

D - Potential Fill Point

Environmental Conditions - Senversa 2017

Environmental Audit

Soil Conditions Likely Requiring Management

Groundwater Conditions Likely Requiring Management

Groundwater Conditions Likely Requiring Management



0 10 20 40

Metres

1:1,200 when printed at A3

Coordinate System: GDA 1994 MGA Zone 55

NORTHERN PRECINCT - POTENTIAL SOURCES OF CONTAMINATION

Peer Review & Phase 1 Environmental Site Assessment

East Village, Bentleigh East, VIC 3165

Victorian Planning Authority

Figure

F4

Disclaimer: BlueSphere Environmental Pty Ltd. (BlueSphere) does not warrant the accuracy or completeness of information displayed in this map and any person using it does so at their own risk. BlueSphere shall bear no responsibility or liability for any errors, faults, defects or omissions in the information.

G:\BlueSphere\Projects\30619_VPA_East_Village\30619_01_F04_NorthernPrecinct_PotContam.mxd

Appendix A

Lotsearch Environmental Risk and Planning Report

Lotsearch



Environmental Risk and Planning Report

North Road & East Boundary Road, Bentleigh East, VIC 3165

Report Date: 16 Jan 2018 19:47:47

Lotsearch Reference: LS002691

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.

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Location Confidences

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

LC Code	Location Confidence
1	Georeferenced to the site location / premise or part of site
2	Georeferenced with the confidence of the general/approximate area
3	Georeferenced to the road or rail
4	Georeferenced to the road intersection
5	Feature is a buffered point
6	Land adjacent to Georeferenced Site
7	Georeferenced to a network of features

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 Onsite	No. Features within 100m	No. Features in Buffer
Topographic and Cadastre data	State Government Victoria - Department of Environment, Land, Water & Planning	04/01/2018	04/01/2018	Quarterly	-	-	-	-
Current Priority Sites	Environment Protection Authority (Vic)	10/01/2018	30/11/2017	Monthly	1000	0	0	0
Former Priority Sites & other Pollution Notices	Environment Protection Authority (Vic)	10/01/2018	11/12/2017	Monthly	1000	0	0	0
EPA Environmental Audit Reports	Environment Protection Authority (Vic)	02/01/2018	02/01/2018	Monthly	1000	0	3	16
Groundwater Zones with Restricted Uses	Environment Protection Authority (Vic)	02/01/2018	02/01/2018	Monthly	1000	0	1	1
Licensed Activities	Environment Protection Authority (Vic)	18/12/2017	18/12/2017	Monthly	1000	0	0	0
Former Licensed Activities	Environment Protection Authority (Vic)	18/12/2017	18/12/2017	Monthly	1000	0	0	0
Works Approvals	Environment Protection Authority (Vic)	02/12/2017	02/12/2017	Monthly	1000	0	0	0
National Waste Management Site Database	Geoscience Australia	13/11/2017	07/03/2017	Quarterly	1000	0	0	0
Statewide Waste and Resource Recovery Infrastructure Plan Facilities	State Government Victoria - Department of Sustainability	27/11/2014	31/12/2012	None planned	1000	0	0	0
EPA Prescribed Industrial Waste	Environment Protection Authority (Vic)	30/10/2017	30/10/2017	Quarterly	1000	0	0	0
Former Waste Disposal Sites	Various historical sources collated by Lotsearch	15/08/2017	29/12/1998	Not required	1000	0	0	1
Former Gasworks	Various historical sources collated by Lotsearch	15/08/2017	15/08/2017	Not required	1000	0	0	0
UBD Business to Business Directory 1991 (Premise & Intersection Matches)	Hardie Grant			Not required	150	14	26	38
UBD Business to Business Directory 1991 (Road & Area Matches)	Hardie Grant			Not required	150	-	2	2
UBD Business Directory 1984 (Premise & Intersection Matches)	Hardie Grant			Not required	150	18	31	51
UBD Business Directory 1984 (Road & Area Matches)	Hardie Grant			Not required	150	-	6	6
UBD Business Directory 1980 (Premise & Intersection Matches)	Hardie Grant			Not required	150	18	41	61
UBD Business Directory 1980 (Road & Area Matches)	Hardie Grant			Not required	150	-	15	16
UBD Business Directory 1977 (Premise & Intersection Matches)	Hardie Grant			Not required	150	11	31	51
UBD Business Directory 1977 (Road & Area Matches)	Hardie Grant			Not required	150	-	13	14
UBD Business Directory 1974 (Premise & Intersection Matches)	Hardie Grant			Not required	150	33	66	89
UBD Business Directory 1974 (Road & Area Matches)	Hardie Grant			Not required	150	-	18	21
UBD Business Directory 1965 (Premise & Intersection Matches)	Hardie Grant			Not required	150	31	58	70
UBD Business Directory 1965 (Road & Area Matches)	Hardie Grant			Not required	150	-	14	15
UBD Business Directory 1950 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	3	4
UBD Business Directory 1950 (Road & Area Matches)	Hardie Grant			Not required	150	-	10	15

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features in Buffer
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500	9	14	30
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500	-	8	10
Features of Interest	State Government Victoria - Department of Environment, Land, Water & Planning	19/12/2017	19/12/2017	Quarterly	1000	2	10	77
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	2
Groundwater Salinity	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0	1	-	-
Depth to Watertable	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0	1	-	-
Surface Elevation	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	23/09/2013	Unknown	0	1	-	-
Basement Elevation	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	23/09/2013	Unknown	0	1	-	-
Groundwater Boreholes WMIS	State Government Victoria - Department of Environment, Land, Water & Planning	21/12/2017	06/10/2017	Quarterly	2000	4	34	136
Groundwater Boreholes Earth Resources Database	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	29/04/2016	17/02/2010	As required	2000	0	0	7
Groundwater Boreholes Fed Uni	Federation University Australia	21/12/2017	07/01/2014	As required	2000	0	0	0
Historical Mining Activity - Shafts	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	04/01/2018	21/12/2017	As required	1000	0	0	0
Geological Units 1:50,000	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	2	-	3
Geological Structures 1:50,000	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	0	-	0
Dykes and Marker Beds 50k	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	0	-	0
Shear zones 250k	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	13/01/2015	24/06/2014	Unknown	1000	0	-	0
Atlas of Australian Soils	CSIRO	19/05/2017	17/02/2011	As required	1000	1	1	1
Victorian Soil Type Mapping	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	24/08/2017	21/03/2016	Unknown	1000	1	1	1
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	1	1	1
Coastal Acid Sulfate Soils	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	28/03/2017	30/03/2011	None planned	1000	0	0	0
Planning Scheme Zones	State Government Victoria - Department of Environment, Land, Water & Planning	22/12/2017	22/12/2017	Quarterly	1000	2	10	35
Planning Scheme Overlay	State Government Victoria - Department of Environment, Land, Water & Planning	22/12/2017	22/12/2017	Quarterly	1000	1	4	29
Cultural Heritage Sensitivity	State Government Victoria - Department of Planning and Community Development	19/12/2017	19/12/2017	Quarterly	1000	0	0	0
Bushfire Prone Area	State Government Victoria - Department of Transport, Planning and Local Infrastructure	19/12/2017	06/11/2017	Quarterly	1000	0	0	0
Fire History	State Government Victoria - Department of Environment, Land, Water & Planning	19/12/2017	24/09/2017	Quarterly	1000	0	0	0
Flood - 1 in 100 Year Modelled Flood Extent	State Government Victoria - Department of Environment, Land, Water & Planning	19/12/2017	18/11/2014	Quarterly	1000	0	0	0
Victorian Coastal Inundation Sea Level Rise	Department of Environment, Land, Water & Planning	05/12/2017	24/10/2017	Unknown	1000	0	0	0
Native Vegetation (Modelled 2005 Ecological Vegetation Classes)	State Government Victoria - Department of Environment, Land, Water & Planning	13/01/2015	31/12/2005	None planned	1000	0	0	0
RAMSAR Wetlands	State Government Victoria - Department of Environment, Land, Water & Planning	28/03/2017	24/06/2013	None planned	1000	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features in Buffer
Groundwater Dependent Ecosystems Atlas	The Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0

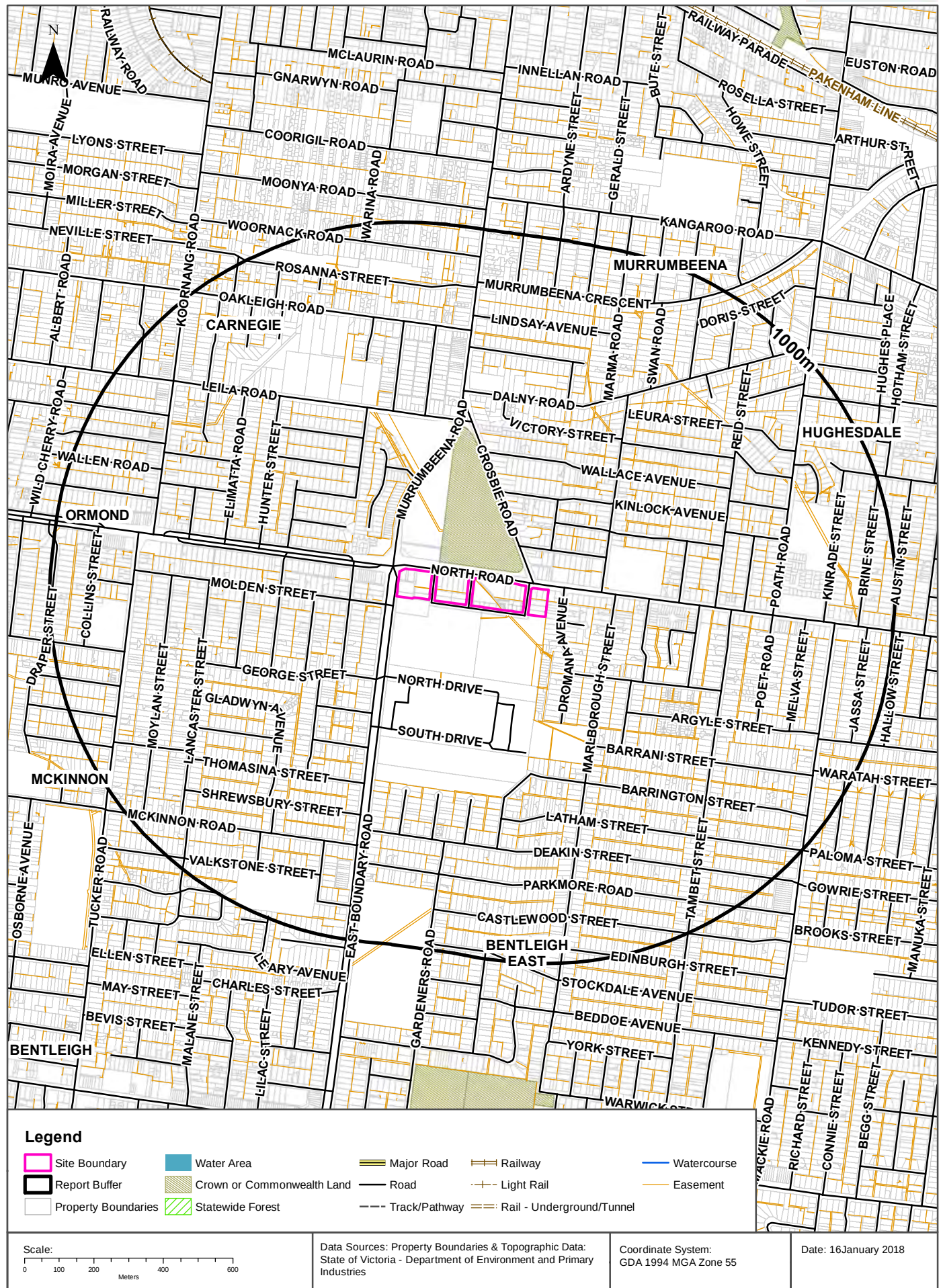
Aerial Imagery 2015

North Road & East Boundary Road, Bentleigh East, VIC 3165



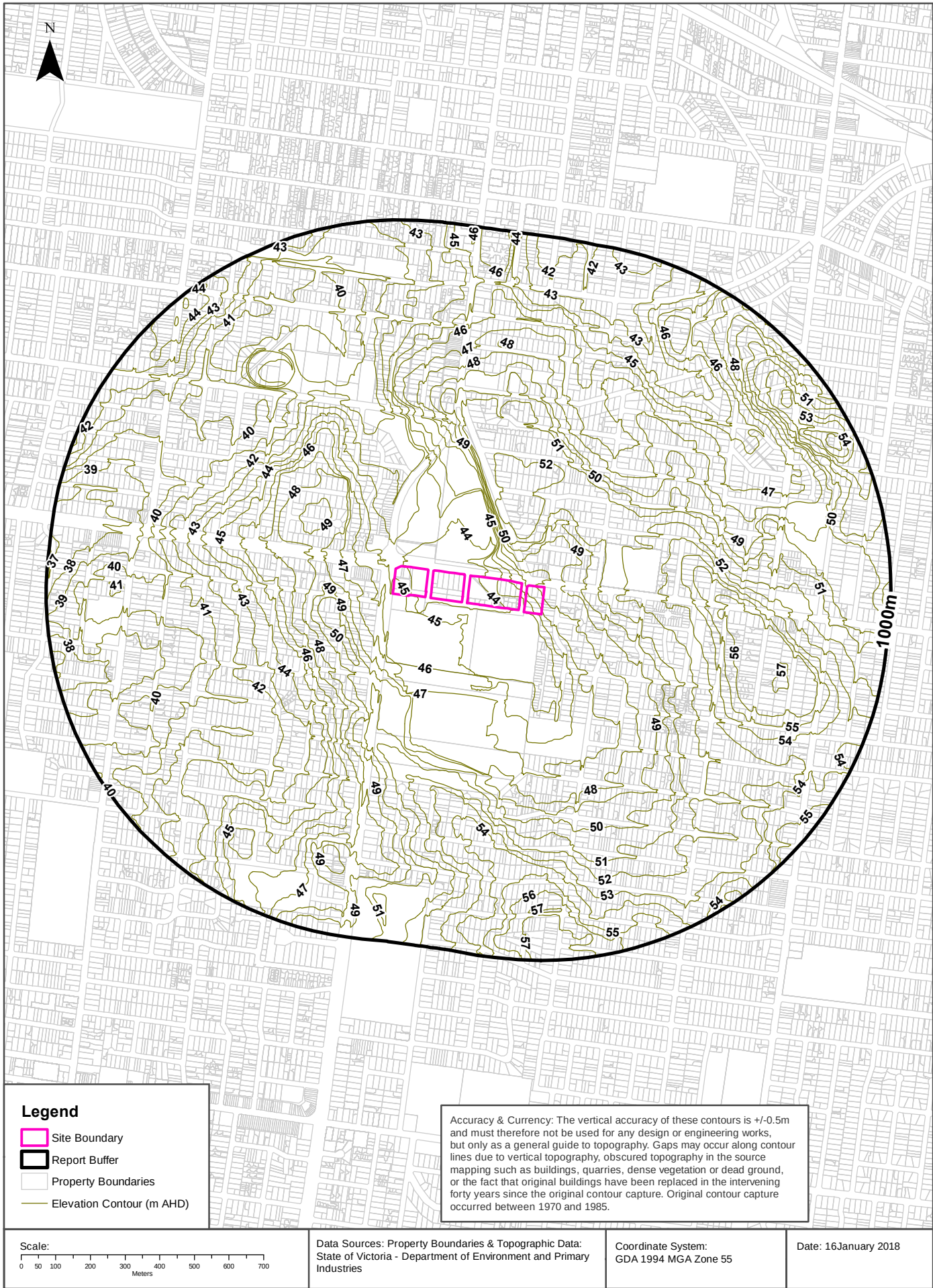
Topographic Data

North Road & East Boundary Road, Bentleigh East, VIC 3165



Elevation Contours (m AHD)

North Road & East Boundary Road, Bentleigh East, VIC 3165



EPA Records

North Road & East Boundary Road, Bentleigh East, VIC 3165

Current EPA Priority Sites Register

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

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

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

Former EPA Priority Sites & Other Pollution Notices

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

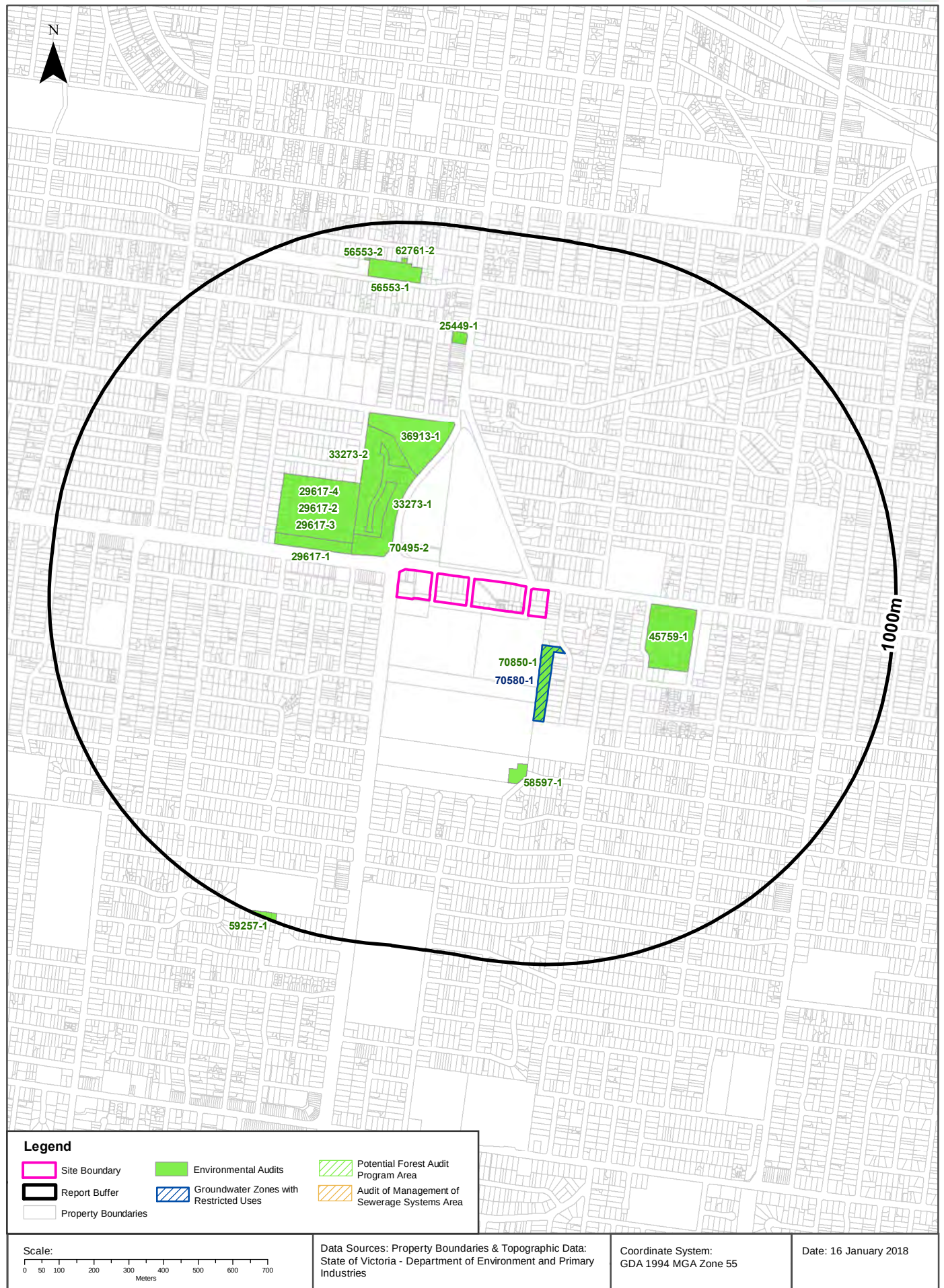
Note. Due to pollution notices being revoked and removed from published lists this is not an exhaustive list of all past pollution notices.

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

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

EPA Records - Audit Reports & GQRUZ

North Road & East Boundary Road, Bentleigh East, VIC 3165



EPA Records

North Road & East Boundary Road, Bentleigh East, VIC 3165

EPA Environmental Audits

EPA environmental audit records that exist within the dataset buffer:

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

CARMS No	Transaction No	Site	Address	Suburb	Date Complete	Loc Conf	Distance	Direction
33273-1	8000685	LOTS A-C,10-28,ROAD,CNR NORTH,MURRUMBEENA LOTS A, B, C & LOTS 10-28, & ROADWAYS, CNR MURRUMBEENA AND N	MURRUMBEENA RD, MURRUMBEENA VIC 3163 317-339 MURRUMBEENA RD	MURRUMBEENA	03/08/1998	Premise Match	63m	North West
70495-2	8003991	341-355 MURRUMBEENA ROAD	341-355 MURRUMBEENA ROAD	Murrumbeena	04/02/2014	Premise Match	63m	North West
70850-1	8003307	27 DROMANA AVE, BENTLEIGH EAST VIC 3165	27 DROMANA AV, BENTLEIGH EAST VIC 3165 DROMANA AV	BENTLEIGH EAST	28/10/2013	Premise Match	79m	South East
33273-2	8000686	LTS 29-72,79,80,82-97,D, CNR NORTH,MURRU LOTS 29 - 72, 79, 80, 82 - 97 & LOT D, CNR MURRUMBEENA & NOR	MURRUMBEENA VIC 3163 11 BOAKE ST	MURRUMBEENA	06/08/1998	Premise Match	113m	North West
29617-1	8000445	LOTS 1-18 & 70, 723-799 NORTH ROAD LOTS 1-18 & 70, 723-799 NORTH ROAD MURRUMBEENA VIC 3163	NORTH RD, CARNEGIE VIC 3163 733 NORTH RD	MURRUMBEENA	28/01/1997	Premise Match	148m	West
29617-2	8000446	LAND BTWN LTS 3 AND 4,723-799 NORTH RD PIECE OF LAND LOCATED BETWEEN LOTS 3 AND 4, 723-799 NORTH RO	PIECE OF LAND LOCATED BETWEEN LOTS 3 AND 4, 723-799 NORTH ROAD	MURRUMBEENA	28/01/1997	Premise Match	158m	North West
29617-3	8000447	LOTS 19-69, 723-799 NORTH ROAD LOTS 19-69, 723-799 NORTH ROAD MURRUMBEENA VIC 3163	CARNEGIE VIC 3163 10 PARK VIEW DR	MURRUMBEENA	24/04/1997	Premise Match	158m	North West
29617-4	8000448	RD AREAS IN LTS 19-69,723-799 NORTH RD EASTERN PORTION OF RD AREAS WITHIN LOTS 19-69 723-799 NORTH R	CARNEGIE VIC 3163 757 NORTH RD	MURRUMBEENA	24/04/1997	Premise Match	158m	North West
36913-1	8000868	CORNER (SW) LEILA & MURRUMBEENA ROADS CORNER (SW) LEILA & MURRUMBEENA ROADS MURRUMBEENA VIC 3163	MURRUMBEENA RD, MURRUMBEENA VIC 3163 255 MURRUMBEENA RD	MURRUMBEENA	24/05/1999	Premise Match	275m	North
45759-1	8001346	1014 NORTH ROAD, BENTLEIGH EAST VIC 3165 WATT ST	1014 NORTH RD	EAST BENTLEIGH	05/12/2001	Premise Match	295m	East
58597-1	8002057	236-262 EAST BOUNDARY RD	236-262 EAST BOUNDARY RD	BENTLEIGH EAST	18/07/2006	Premise Match	427m	South
25449-1	8000288	223-225 MURRUMBEENA RD	223-225 MURRUMBEENA RD	MURRUMBEENA	19/07/1995	Premise Match	664m	North

CARMS No	Transaction No	Site	Address	Suburb	Date Complete	Loc Conf	Distance	Direction
56553-1	8001941	47 ROSANNA ST	47 ROSANNA ST	CARNEGIE	12/05/2006	Premise Match	826m	North
62761-2	8002471	69A-69B WOORNACK RD	69A-69B WOORNACK RD	CARNEGIE	12/02/2010	Premise Match	881m	North
56553-2	8001942	REAR OF 55 WOORNACK RD LOT A PS 523573J 53 REAR OF 55 WOORNACK RD LOT A PS 523573J CARNEGIE VIC 3163	55 WOORNACK RD	CARNEGIE	22/12/2006	Premise Match	895m	North
59257-1	8002097	219-221 EAST BOUNDARY RD	219-221 EAST BOUNDARY RD	BENTLEIGH EAST	02/03/2011	Premise Match	975m	South West

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

EPA Records

North Road & East Boundary Road, Bentleigh East, VIC 3165

EPA Groundwater Zones with Restricted Uses

EPA GQRUZ records that exist within the dataset buffer:

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

CARMS No	EPA Id	Site History	Site Address	Restricted Uses	Loc Conf	Distance	Direction
70580-1	7000482	Farming	27 DROMANA AV BENTLEIGH EAST VIC 3165	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming)	Premise Match	79m	South East

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

EPA Records

North Road & East Boundary Road, Bentleigh East, VIC 3165

EPA Licensed Activities

EPA licensed activities that exist within the dataset buffer:

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

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

Former EPA Licensed Activities

Former EPA licensed activities that exist within the dataset buffer:

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

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

EPA Works Approvals

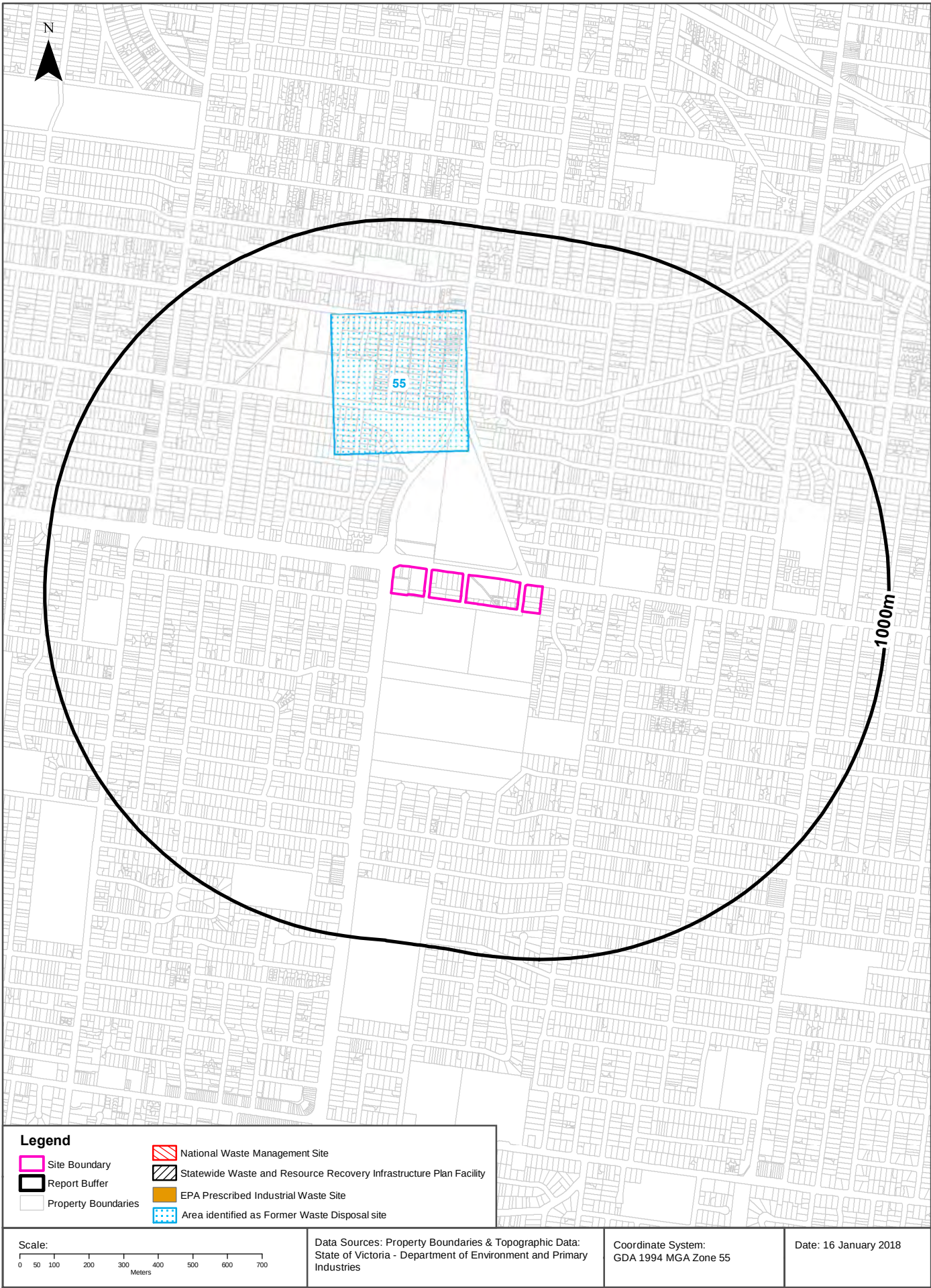
EPA works approvals that exist within the dataset buffer:

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

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

Waste Management Facilities and Legacy Landfills

North Road & East Boundary Road, Bentleigh East, VIC 3165



Waste Management Facilities

North Road & East Boundary Road, Bentleigh East, VIC 3165

National Waste Management Site Database

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

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

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

Statewide Waste and Resource Recovery Infrastructure Plan Facilities

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

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

SWRRIPF Data Source: State Government Victoria - Department of Sustainability

EPA Prescribed Industrial Waste

EPA Prescribed Industrial Waste sites within the dataset buffer:

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

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

Waste Management Facilities

North Road & East Boundary Road, Bentleigh East, VIC 3165

Former Waste Disposal sites

Former Waste Disposal sites identified from various historical sources within the dataset buffer:

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

Map Id	Title	Suburb	Fill Type	Prior Use	Current Use	Start Year	Finish Year	Other Information	Melway Page	Melway Grid	Location Confidence	Dist'	Direction
55	Leila & Murrumbreen a rds	Caulfield	solid	swamp	Tennis club	1960	1965	dump for years, land owned by Ed, Dept at the back of Murrumbreen a high school.	68	K8	Melway Map Grid Reference	325m	North

Former Waste Disposal Sites Data Source: Collated from various historical sources

Former Gasworks

North Road & East Boundary Road, Bentleigh East, VIC 3165

Former Gasworks

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

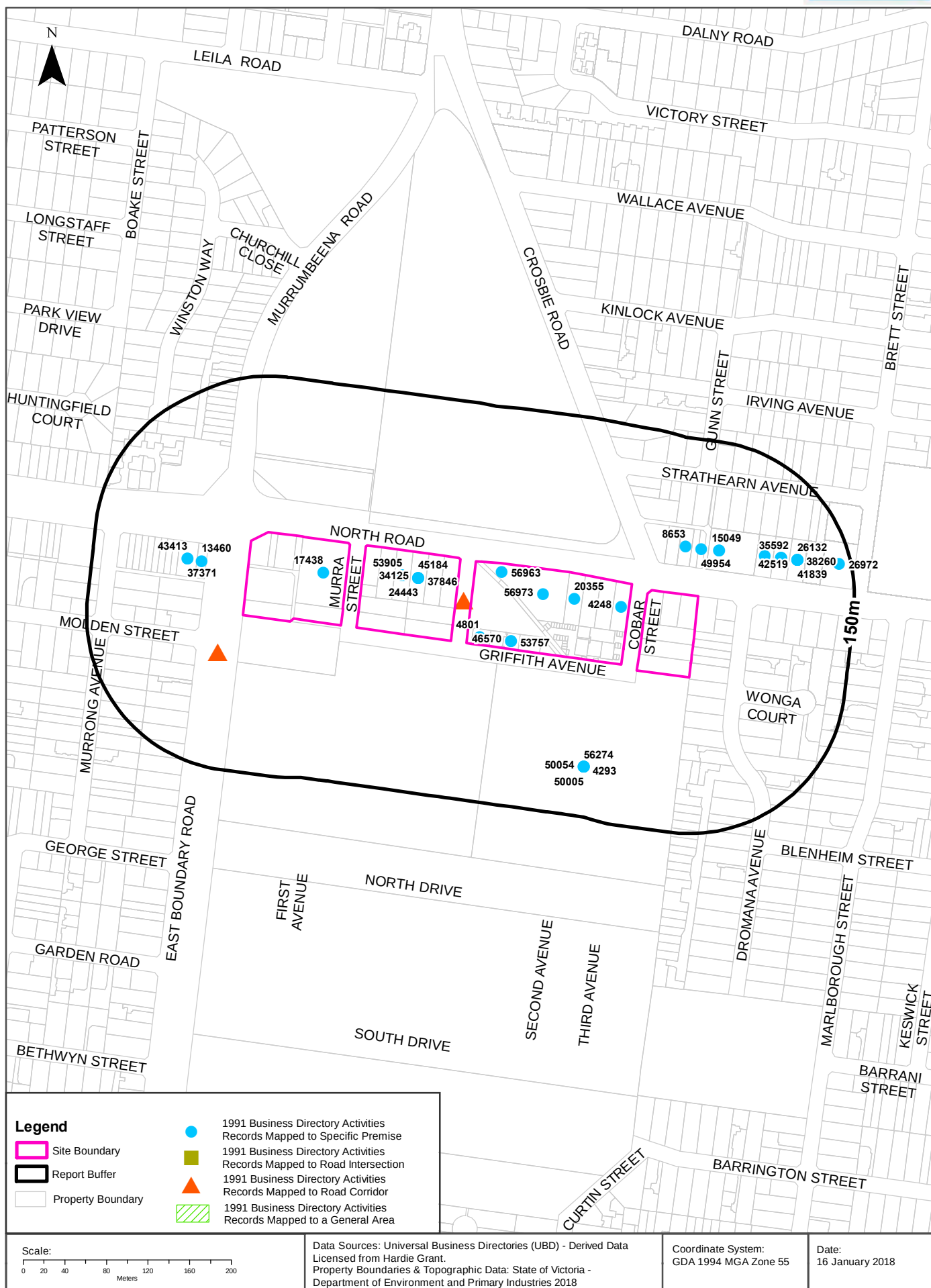
Note - As this is a dataset collated from various historical sources, it is not an exhaustive list of all former Gasworks

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

Former Gasworks Data Source: Collated from various historical sources

1991 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1991 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1991 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Door Mfrs &/or Dists &/or Installers	Formex Laminates & Boards, 940 North Rd Bentleigh East 3165	45184	Premise Match	0m	Onsite
Laminated Materials &/or Products Mfrs &/or Dists	Formex Laminates & Boards, 940 North Rd Bentleigh East 3165	37846	Premise Match	0m	Onsite
Motor Brake Specialists	Tayell Automotive (Road & Rally), 3 Griffith Ave Bentleigh East 3165	46570	Premise Match	0m	Onsite
Motor Engineers	Tayell Automotive (Road & Rally), 3 Griffith Ave. Bentleigh East. 3165	53757	Premise Match	0m	Onsite
Motor Exhaust Systems &/or Mufflers Mfrs. &/or Dists. &/or Fitters	DJ Exhaust Systems, 938 North Rd. Bentleigh East. 3165	53905	Premise Match	0m	Onsite
Motor Garages & Service Stations	BP Northpark, 946 North Rd. Bentleigh East. 3165	56963	Premise Match	0m	Onsite
Motor Garages & Service Stations	BP Self Service, 952 North Rd. Bentleigh East. 3165	56973	Premise Match	0m	Onsite
Motor Panel Beaters &/or Spray Painters	Astoria Motor Body Works,, 960 North Rd., Bentleigh East. 3165	4248	Premise Match	0m	Onsite
Motor Panel Beaters &/or Spray Painters	MTG Body Works Pty. Ltd., 2 Carey St.. Bentleigh East. 3165	4801	Premise Match	0m	Onsite
Paint, Enamel, Varnish &/or Stain Mfrs. &/or Imps. &/or Dists.	G.B. Paint Co. Pty. Ltd., 954 North Rd., Bentleigh East 3165	20355	Premise Match	0m	Onsite
Particle Board Mfrs. &/or Dists.	Formex Laminates & Boards,, 940 North Rd.. Bentleigh East. 3165	24443	Premise Match	0m	Onsite
Plywood Mfrs. &/or Dists. &/or Merchants.	Formex Laminates & Boards,, 940 North Rd., Benfeigh East. 3165	34125	Premise Match	0m	Onsite
Timber Merchants &/or Sawmillers	Major Timber Supplies Pty. Ltd., 928 North Rd., Bentleigh East 3165	17438	Premise Match	0m	Onsite
Windscreen Replacements &/or Repairs	DJ Windscreens, 938 North Rd Bentleigh East 3165	33213	Premise Match	0m	Onsite
Motor Carburettor	Carbitune Pty Ltd, 967 North Rd Murrumbeena 3163	49954	Premise Match	45m	East
Banks	ANZ Banking Group Ltd, 910 North Rd, Buntleigh East 3165	13460	Premise Match	45m	West
Motor Panel Beaters &/or Spray Painters	Sheen Panel Service (Murrumbeena) Pty. Ltd., 963 North Rd.. Murrumbeena. 3163	8653	Premise Match	46m	East
Motor Brake Specialists	Competition Tyres (Randall Hicks), 969 North Rd Murrumbeena 3163	46341	Premise Match	48m	East
Motor Tyre Dealers, Retreaders &/or Vulcanisers.	Competition Tyres (Randall Hicks),, 969 North Rd., Murrumbeerta. 3163	15049	Premise Match	48m	East
Printers – General	David Press., The, 908 North Rd., Bentleigh East. 3165	37371	Premise Match	59m	West
Publishers	David Press, The, 908 North Rd Bentleigh East 3165	43413	Premise Match	59m	West
Floor Covering Mfrs &/or W Salers	All Systems Coatings, 975 North Rd Murrumbeena 3163	7905	Premise Match	75m	East
Cabinet Makers	Ateler Cabinets Pty. Ltd, 977 North Rd., Murrumbeena 3163	27170	Premise Match	88m	East
Furniture Mfrs &/or W/salers-Custom Built	Aterler Furniture, 977 North Rd Murrumbeena 3163	15980	Premise Match	88m	East
Kitchen Units Mfrs &/or Dists &/or Installers	Ateler Kitchens, 977 North North Rd Murrumbeena 3163	35592	Premise Match	88m	East
Shop &/or Office Fitters	Ateler Cabinets Pty Ltd, 977 North Rd Murrumbeena 3163	54574	Premise Match	88m	East
Conveyor &/or Conveying Equip Mfrs &/or Imps &/or Dists	Morling A. P. Pty. Ltd., 979 North Rd., Murrumbeena 3163	41839	Premise Match	101m	East
Engineers - Lift &/ or Elevator	Morling A P Pty Ltd, 979 North Rd Murrumbeena 3163	56645	Premise Match	101m	East
Engineers - Material Handling	Morling A P Pty Ltd, 979 North Rd Murrumbeena 3163	2538	Premise Match	101m	East
Hoist Mfrs &/or Dists	Morting A P Pty Ltd, 979 North Rd Murrumbeena 3163	26132	Premise Match	101m	East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Lift Mfrs &/or Engineers	Morling A. P. Pty. Ltd., 979 North Rd., Murrumbeena 3163	38260	Premise Match	101m	East
Material Handling Equipment Mfrs &/or Imps &/or Dists	Morling A P Pty Ltd, 979 North Rd Murrumbeena 3163	42519	Premise Match	101m	East
Engineers - General	Pty Ltd, 4 Griffith Ave Bentleigh East 3165	56274	Premise Match	103m	South East
Motor Clutch Mfrs &/or Dists	Brake & Clutch Industries Australia Pty Ltd (Clutch Plant), 26 Grittith Ave Bentleigh East 3165	50005	Premise Match	103m	South East
Motor Clutch Specialists	Brake & Clutch Industries Australia Pty Ltd (Clutch Plant), 26 Grittith Ave Bentleigh East 3165	50054	Premise Match	103m	South East
Motor Exhaust Systems &/or Mufflers Mfrs. &/or Dists. &/or Fitters	Kylz Pty. Lt.d, 4 Griffith Ave. Bentleigh East. 3165	53945	Premise Match	103m	South East
Motor Panel Beaters &/or Spray Painters	Bentleigh Panels Pty. Ltd., 2/2 Griffith Ave., Bentleigh East 3165	4293	Premise Match	103m	South East
Bus Operators	Sinclairs & Sons Bus Service, 983 North Rd., Murrumbeena 3163	26972	Premise Match	139m	East

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1991 Business to Business Directory Records Road or Area Matches

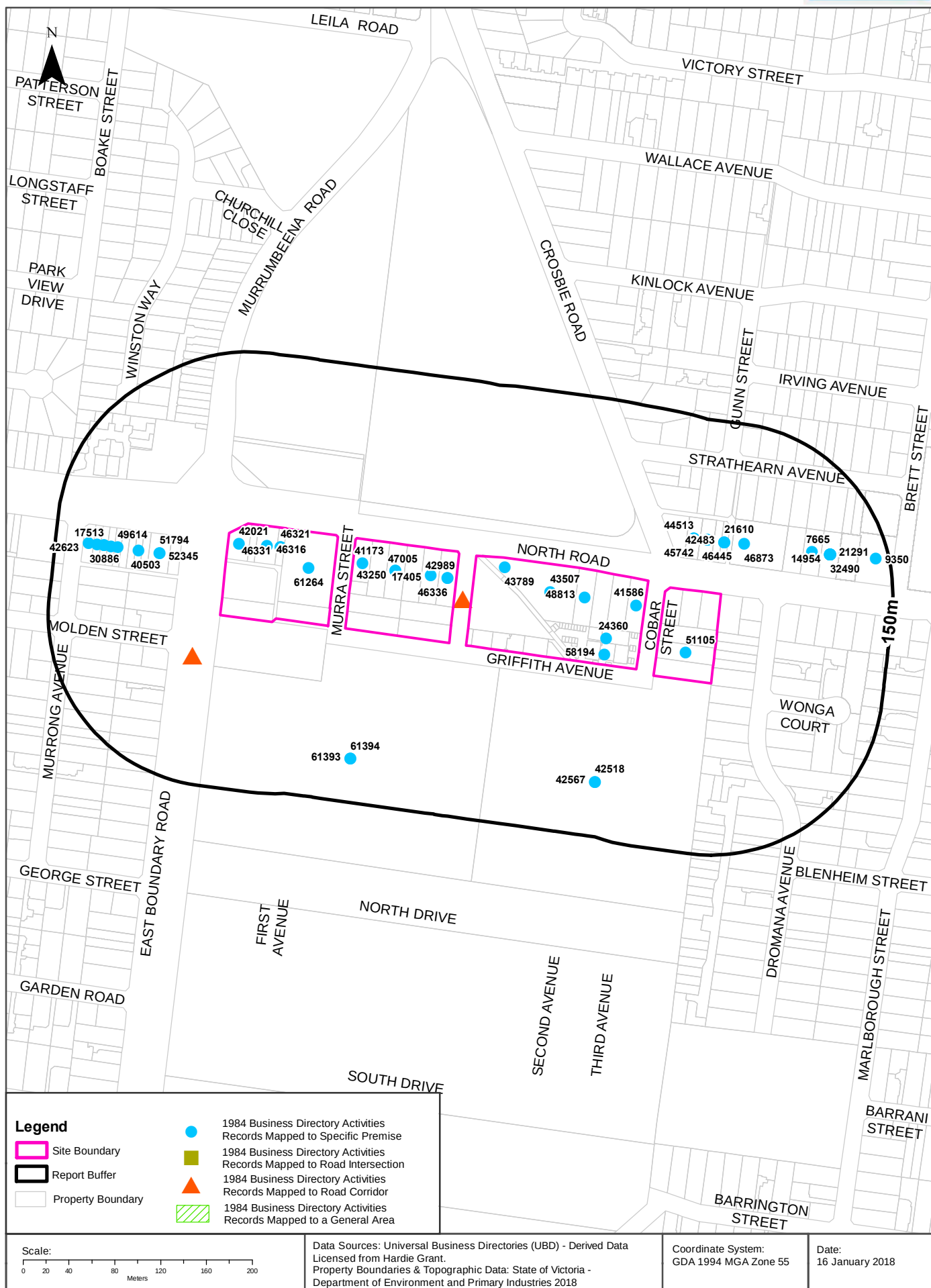
Records from the 1991 UBD Business to Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renamed since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Motor Car Dealers - New &/or Used	Boyanton Motors (Ormond) Pty Ltd., East Boundry Rd., Bentleigh East 3165	46686	Road Match	0m
Motor Garages & Service Stations	MG Workshops, 1 Carey St., Bentleigh East. 3165	57598	Road Match	0m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1984 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1984 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1984 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
DOOR MFRS. &/OR DISTS.	Cemac Doors, 942 North Rd., Bentleigh East.	17405	Premise Match	0m	Onsite
FOUNDERS NON FERROUS.	H G. Bronze Pty. Ltd., 3 Cobar St., Bentleigh East.	24360	Premise Match	0m	Onsite
MOTOR ACCESSORIES-RETAIL	Repco Auto Parts (Vic.), 934 North Rd., Bentleigh East.	41173	Premise Match	0m	Onsite
MOTOR BODY REPAIRERS.	Astoria Motor Body Works, 960 North Rd., Bentleigh East.	41586	Premise Match	0m	Onsite
MOTOR CAR &/OR TRUCK DEALERS.	Bentleigh Car Sales Pty. Ltd., 912 North Rd., East Bentleigh.	42021	Premise Match	0m	Onsite
MOTOR ENGINE RECONDITIONERS.	Hocking Engine Reconditioning, 944 North Rd., Bentleigh East.	42989	Premise Match	0m	Onsite
MOTOR EXHAUST PIPE & MUFFLER SPECIALISTS.	D.J. Exhaust Systems, 938 North Rd., Bentleigh East.	43250	Premise Match	0m	Onsite
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Amoco Selfservice, 952 North Rd., Bentleigh East.	43507	Premise Match	0m	Onsite
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Bp Northpark, 946 North Rd., Bentleigh East.	43789	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	East Coast Auto Spares Pty. Ltd., 920 North Rd., Bentleigh East.	46316	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	Graham Jose Spares Pty. Ltd., 926 North Rd., Bentleigh East.	46321	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	Jose, Graham Spares Pty. Ltd., 926 North Rd., Bentleigh East.	46331	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	M.G. Workshops, 944 North Rd., Bentleigh East.	46336	Premise Match	0m	Onsite
MOTOR WINDSCREENS.	D.J.Windcreens, 938 North Rd., Bentleigh East.	47005	Premise Match	0m	Onsite
PAINT &/OR VARNISH MFRS, &/OR DISTS.	G.B. Paint Co. Pty. Ltd., 954 North Rd., Bentleigh East.	48813	Premise Match	0m	Onsite
PLUMBERS, GASFITTERS &/OR DRAINLAYERS	Dillon, M. J., 4 Cobar St., Bentleigh East.	51105	Premise Match	0m	Onsite
STEEL FABRICATORS.	Haulmaster. Pty. Ltd., 1 Cobar St., Bentleigh East.	58194	Premise Match	0m	Onsite
TIMBER & HARDWARE SUPPLIES.	Major Timber Supplies Pty. Ltd., 928 North Rd., Bentleigh East.	61264	Premise Match	0m	Onsite
ENGINEERS REPETITION.	Carbitune Service Engineering, 967 North Rd., Murrumbeena.	21610	Premise Match	45m	East
MOTOR CARBURETTOR SPECIALISTS.	Carbitune Service Engineering, 967 North Rd., Murrumbeena.	42483	Premise Match	45m	East
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Macrow, Peter Motors, 961 North Rd., Murrumbeena.	44513	Premise Match	45m	East
MOTOR PAINTERS &/OR PANEL BEATERS.	Macrow, Peter Motors, 961 North Rd., Murrumbeena.	45742	Premise Match	45m	East
MOTOR TOWING SERVICES.	Carbitune Service Engineering, 967 North Rd., Murrumbeena.	46445	Premise Match	45m	East
MOTOR RADIATOR SPECIALISTS. &/OR REPAIRERS.	Malvern Radiators, 963 North Rd., Carnegie.	46210	Premise Match	46m	East
MOTOR RADIATOR SPECIALISTS. &/OR REPAIRERS.	Murrumbesne Radiators, 963 North Rd., Murrumbeena.	46217	Premise Match	46m	East
MOTOR TYRE & TUBE SALES &/OR SERVICE.	Hicks, Randall Competition Tyres, 973 North Rd., Murrumbeena.	46873	Premise Match	48m	East
PRINTERS-CONTINUED.	David Press. The, 908 North Rd., Bentleigh East.	51794	Premise Match	59m	West
PUBLISHERS.	David Press, The, 908 North Rd., Bentleigh East.	52345	Premise Match	59m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MILK BARS.	Soltes, M., 900 North Rd., Bentleigh East.	40503	Premise Match	77m	West
CABINET MAKERS.	Ateler Kitchens, 977 North Rd.. Carnegie.	7665	Premise Match	88m	East
PEST CONTROL.	Rentokil Pest Control, 894 North Rd., Ormond.	49614	Premise Match	95m	West
CONVEYORS - GRAVITY & ROLLER.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	14964	Premise Match	101m	East
CONVEYORS &/OR ELEVATORS - INDUSTRIAL.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	14954	Premise Match	101m	East
ELECTRIC HOISTS.	Marling, A. P. Pty. Ltd , 979 North Rd., Murrumbeena.	18433	Premise Match	101m	East
ENGINEERS CONVEYORS &/OR ELEVATING EQUIPMENT.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	20280	Premise Match	101m	East
ENGINEERS LIFT. ,.	Man, A. P. Pty. Ltd., 979 North Rd, Murrumbeena.,.	21291	Premise Match	101m	East
ENGINEERS MATERIAL HANDLING.	Daring, A. P. Pty. Ltd, 979 North Rd. Durrumbeene.	21359	Premise Match	101m	East
HOST & CRANE MFRS.	Morino, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	32490	Premise Match	101m	East
LIFT MFRS. &/OR ENGINEERS.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	36185	Premise Match	101m	East
MATERIALS HANDLING EQUIPMENT -.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena:.	37051	Premise Match	101m	East
MECHANICAL HANDLING EQUIPMENT.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	37145	Premise Match	101m	East
LAWNMOWERS - MOTOR-SALES &/OR SERVICE.	Hayward, J. M., 892 North Rd., Bentleigh East.	35928	Premise Match	101m	West
MOTOR CLUTCH MFRS.	Repco Clutch Company, 26 Griffith Ave., Bentleigh East.	42518	Premise Match	103m	South East
MOTOR CLUTCH SPECIALISTS.	Repco Clutch Company, 26 Griffith Ave., Bentleigh East.	42567	Premise Match	103m	South East
DRAFTING &/OR PRINTING SERVICES.	Specialisid Planning & Design Pty. Ltd., 890 North Rd., Bentleigh East.	17513	Premise Match	107m	West
DRAUGHTSMEN.	Specialised Planning & Design Pty. Ltd., 890 North Rd., Bentleigh.	17646	Premise Match	107m	West
TOBACCO & CIGARETTE MANUFACTURERS.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Rd., Bentleigh East.	61393	Premise Match	112m	South West
TOBACCO PROCESSORS.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Rd., Bentleigh East.	61394	Premise Match	112m	South West
HAIRDRESSERS MENS.	Chris Hairdresser, 888 North Rd., Bentleigh East,.	30886	Premise Match	113m	West
MOTOR CYCLE DEALERS OR REPAIRERS &/OR ACCESSORIES.	Howden'S Motorcycles, (Yamaha), 886 North Rd., Bentleigh East.	42623	Premise Match	121m	West
CARRIERS &/OR CARTAGE CONTRACTORS.	Sinclairs Coaches Pty. Ltd., 983 North Rd., Murrumbeena.	9350	Premise Match	139m	East

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1984 Business to Business Directory Records Road or Area Matches

Records from the 1984 UBD Business to Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
FLEXIBLE SHAFTING &/OR TUBING MFRS. &/OR DIST.	Patons Brake Replacements Pty. Ltd., 264 East Boundry Rd., Bentleigh East.	23079	Road Match	0m
MOTOR CAR RADIO SALES &/OR SERVICE.	Plus Four Automotive Services, 1 Carey St., Bentleigh East,.	41964	Road Match	0m
MOTOR ENGINE RECONDITIONERS.	Hocking Performance Engineering, 1 Carey St, Bentleigh East.	42990	Road Match	0m
MOTOR ENGINEERS.	Hocking Performance Engineering, 1 Carey St, Bentleigh East.	43119	Road Match	0m
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Plus Four Automotive Services, 1 Carey St., Bentieigh East.	44724	Road Match	0m
SEALANT CONTRACTORS.	Super Seals Pty. Ltd., 264 East Boundary Rd., Bentleigh East.	55061	Road Match	0m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1980 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1980 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1980 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CLOTHING MFRS. &/OR W/SALERS-INDUSTRIAL &/OR PROTECTIVE.	Johnston, A. B. & Co. Pty. Ltd., 956 North Rd., Bentleigh East.	16080	Premise Match	0m	Onsite
DOOR MFRS.	Cemac Rosebery Pty. Ltd., 940 North Rd., Bentleigh East	19158	Premise Match	0m	Onsite
FOUNDERS- NON-FERROUS.	Bronze, H. G. Pty. Ltd., 3 Cobar St., Bentleigh East.	24649	Premise Match	0m	Onsite
MOTOR BODY REPAIRERS.	Astoria Motor Body Works, 960 North Rd., Bentleigh East.	38423	Premise Match	0m	Onsite
MOTOR CYCLE DEALERS &/OR REPAIRERS &/OR ACCESSORIES.	East Coast Auto Spares Pty. Ltd., 920 North Rd., Bentleigh East.	38954	Premise Match	0m	Onsite
MOTOR CYCLE DEALERS &/OR REPAIRERS &/OR ACCESSORIES.	Graham Jose Spares Pty. Ltd., 926 North Rd., Bentleigh East.	38955	Premise Match	0m	Onsite
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena, 946 North Rd., Murrumbeena.	672	Premise Match	0m	Onsite
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Northpark S/Stn., 946 North Rd.,Murrumbeena 3163	1542	Premise Match	0m	Onsite
MOTOR PAINTERS &/OR PANEL BEATERS.	T. Custom Autos, 934 North Rd., Bentleigh East.	39486	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	Jose, Graham Spares Pty. Ltd., 926 North Rd., Bentleigh East.	39950	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	M.G. Workshops 944 North Road, Bentleigh East.	39951	Premise Match	0m	Onsite
MOTOR SPARE PARTS DEALERS RETAIL.	M.G. Workshops, 944 North Rd., Bentleigh East.	39952	Premise Match	0m	Onsite
MOTOR TRIMMERS.	T. Custom Autos 934 North Road, Bentleigh East.	40107	Premise Match	0m	Onsite
MOTOR TRIMMERS.	T. Custom Autos, 934 North Rd., Bentleigh East.	40108	Premise Match	0m	Onsite
PAINT &/OR VARNISH MFRS. &/OR DIST.	G.B. Paint Co. Pty. Ltd., 954 North Rd., Bentleigh East.	41710	Premise Match	0m	Onsite
PLUMBERS.	Dillon, M. J., 4 Cobar St., Bentleigh East.	45598	Premise Match	0m	Onsite
STEEL FABRICATORS.	Haulmaster Pty. Ltd., 1 Cobar St., Bentleigh East.	51906	Premise Match	0m	Onsite
TIMBER MERCHANTS.	Major Timber Supplies Pty. Ltd., 928 North Rd., Bentleigh East	54256	Premise Match	0m	Onsite
ENGINEERS-REPETITION.	Carbit Service Engineering, 967 North Rd., Murrumbeena.	22793	Premise Match	45m	East
MOTOR CARBURETTOR SPECIALISTS.	Carbit Service Engineering, 967 North Rd., Murrumbeena.	38887	Premise Match	45m	East
BANKS.	ANZ Banking Group Ltd., 910 North Rd., Bentleigh East.	5843	Premise Match	45m	West
BANKS.	State Savings Bank of Victoria, 902 North Rd., Bentleigh East.	5841	Premise Match	71m	West
ADVERTISING - DISPLAY SPECIALISTS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	2937	Premise Match	75m	East
ADVERTISING SIGNS - ELECTRIC.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	3010	Premise Match	75m	East
ADVERTISING SIGNS-ILLUMINATED.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	3032	Premise Match	75m	East
FLUORESCENT LIGHTING.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	24435	Premise Match	75m	East
NEON SIGNS &/OR NEON LIGHTING.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	40524	Premise Match	75m	East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
NOVELTY GOODS MFRS. &/OR W/SALERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	41048	Premise Match	75m	East
PLASTIC – ACRYLIC FABRICATORS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	44921	Premise Match	75m	East
PLASTIC FABRICATORS.	Personalised Plastic Signs Pty. Ltd., 975-North Rd., Murrumbeena.	45012	Premise Match	75m	East
PLASTIC ILLUMINATEDSIGN MFRS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	45089	Premise Match	75m	East
PLASTIC MOULDERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	45187	Premise Match	75m	East
PLASTIC SIGNS MFRS. &/OR DIST.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	45287	Premise Match	75m	East
PLASTICS	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	45328	Premise Match	75m	East
SCREEN PRINTERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	49284	Premise Match	75m	East
SKYLIGHT & VENTILATOR MANUFACTURERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	50173	Premise Match	75m	East
WINDOW DISPLAY SPECIALISTS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	56205	Premise Match	75m	East
MILK BARS &/OR CONFECTIONERY SHOPS.	Vatsamis, P., 900 North Rd., Bentleigh East.	37282	Premise Match	77m	West
MOTOR CYCLE DEALERS &/OR REPAIRERS &/OR ACCESSORIES.	Southern Cycles, 898 North Rd., Bentleigh East.	38953	Premise Match	83m	West
BUILDERS & ALLIED TRADES.	Viking Homes Pty. Ltd., 977 North Rd., Murrumbeena.	9768	Premise Match	88m	East
PIANO TUNERS &/OR REPAIRERS.	Jones, D. W., 27 Dromana Ave., Bentleigh East.	44701	Premise Match	93m	South East
CONVEYORS &/OR ELEVATORS-INDUSTRIAL	Mathews Conveyor Co., 979 North Rd., Murrumbeena	17121	Premise Match	101m	East
CONVEYORS-GRAVITY & ROLLER.	Mathews Conveyor Co., 979 North Rd., Murrumbeena	17136	Premise Match	101m	East
ELECTRIC HOISTS.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	19878	Premise Match	101m	East
ENGINEERS-CONVEYORS &/OR ELEVATING EQUIPMENT.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	22174	Premise Match	101m	East
ENGINEERS-LIFT.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	22411	Premise Match	101m	East
ENGINEERS-MATERIAL HANDLING.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	22473	Premise Match	101m	East
HOIST & CRANE MFRS.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	32235	Premise Match	101m	East
LIFT MFRS. &/OR ENGINEERS.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	35256	Premise Match	101m	East
MATERIALS HANDLING EQUIPMENT.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	36086	Premise Match	101m	East
MECHANICAL HANDLING EQUIPMENT	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	36177	Premise Match	101m	East
LAWNMOWERS - MOTOR - SALES &/OR SERVICE	Hayward, J. M., 892 North Rd., Bentleigh East.	35024	Premise Match	101m	West
MOTOR CLUTCH MFRS.	Repco Clutch Company, 26 Griffith Ave., Bentleigh East.	38905	Premise Match	103m	South East
MOTOR CLUTCH REBUILDERS.	Repco Clutch Company, 26 Griffith Ave., Bentleigh East.	38908	Premise Match	103m	South East
DRAFTING &/OR PRINTING SERVICES.	Specialised Planning & Design Pty. Ltd., 890 North Rd., Bentleigh East.	19201	Premise Match	107m	West
DRAUGHTSMEN	Specialised Planning & Design Pty. Ltd., 890 North Rd., Bentleigh East.	19335	Premise Match	107m	West
CIGARETTE MFRS. &/OR W/SALERS.	Wills, W. D. & H.D (Aust.) Ltd., 246 East Boundary Rd., Bentleigh East.	15741	Premise Match	112m	South West
TOBACCO & CIGARETTE MANUFACTURERS.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Rd., Bentleigh East.	54402	Premise Match	112m	South West
TOBACCO PROCESSORS.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Rd., Bentleigh East.	54411	Premise Match	112m	South West
HAIRDRESSERS - MENS.	Chris Hairdresser, 888 North Rd., Bentleigh East	29956	Premise Match	113m	West
MOTOR CYCLE DEALERS &/OR REPAIRERS &/OR ACCESSORIES.	Howden's Motorcycles, 886 North Rd., Bentleigh East.	38952	Premise Match	121m	West

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1980 Business to Business Directory Records Road or Area Matches

Records from the 1980 UBD Business to Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
BEARING MFRS.	Bi-Metal Industries Pty. Ltd., Carey St., Bentleigh East.	6901	Road Match	0m
BEARINGS &/OR BUSH MFRS. &/ORDISTS.	Bi-Metal Industries Pty. Ltd., Carey St., Bentleigh East.	6915	Road Match	0m
BUTCHERS.	Brien, J. A., East Boundary Rd., Bentleigh.	11977	Road Match	0m
COPPER BRAZING.	Bi-Metal Industries Pty. Ltd., Carey St. Bentleigh East.	17148	Road Match	0m
DROP FORGINGS MFRS.	Cyclone Forgings Pty. Ltd., East Boundary Rd., Bentleigh East.	6109	Road Match	0m
FLEXIBLE SHAFTING &/OR TUBING MFRS. &/OR DIST.	Patons Brake Replacements Pty. Ltd., 264 East Boundry Rd., Bentleigh East.	23869	Road Match	0m
MOTOR CAR RADIO SPECIALISTS.	Plus Four Automotive Services, 1 Carey St., Bentleigh East.	38861	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Plus Four Automotive Services 1 Carey Street, Bentleigh.	1622	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Plus Four Automotive Services, 1 Carey St., Bentleigh East.	1623	Road Match	0m
TOOL MFRS.	Cyclone Forgings Pty. Ltd., East Boundary Rd., Bentleigh East.	54485	Road Match	0m
WEAVERS-INSECT SCREENING.	Cyclone K-M Products Pty. Ltd., East Boundary Rd., East Bentleigh.	55951	Road Match	0m
WIRE FENCING MANUFACTURERS.	Cyclone K-M Products Pty. Ltd., East Boundary Rd., East Bentleigh.	56374	Road Match	0m
WIRE GAUZE WEAVERS.	Cyclone K-M Products Pty. Ltd., East Boundary Rd., East Bentleigh.	12603	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena, Murrumbeena Rd., Murrumbeena.	673	Road Match	34m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Shell Oil Murrumbeena, Murrumbeena Rd., Murrumbeena.	1834	Road Match	34m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Caltex Oil Carnegie, North Rd., Carnegie.	816	Road Match	145m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1977 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1977 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1977 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CERAMIC MFRS.	Bendigo Pottery (Epsom) Pty. Ltd., 938 North Rd., Bentleigh East.	6871	Premise Match	0m	Onsite
CLOTHING MFRS. &/OR W/SALERS-INDUSTRIAL.	Johnston. A. B. & Co. Pty. Ltd., 956 North Rd., Bentleigh East.	8486	Premise Match	0m	Onsite
DOOR MFRS.	Cemac Rosebery Pty. Ltd., 940 North Rd., Bentleigh East.	10817	Premise Match	0m	Onsite
ENAMEL MFRS.	G.B. Paint Co., The. 954 North Rd., Bentleigh.	12792	Premise Match	0m	Onsite
MOTOR BODY BUILDERS.	Haulmaster Transport Equipment Pty. Ltd., 1 Cobar St., Bentleigh East.	23890	Premise Match	0m	Onsite
MOTOR BODY REPAIRERS.	Astoria Motor Body Works., 960 North Rd.. Bentleigh East.	23932	Premise Match	0m	Onsite
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena., 946 North Rd.. Murrumbeena.	24988	Premise Match	0m	Onsite
PAINT & VARNISH MFRS. &/OR DIST.	G.B. Paint Co. Pty. Ltd., 954 North Rd., Bentleigh East	27824	Premise Match	0m	Onsite
PLUMBERS.	Dillon, M. J., 4 Cobar St., Bentleigh East.	31465	Premise Match	0m	Onsite
POTTERY MFRS. &/OR DIST.	Bendigo Pottery (Epsom) Pty. Ltd., 938 North Rd., Bentleigh East	31960	Premise Match	0m	Onsite
TIMBER MERCHANTS, SAWMILLER ETC.	Major Timber Supplies Pty. Ltd. , 928 North Rd Bentleigh East.	37798	Premise Match	0m	Onsite
ENGINEERS-REPETITION.	Carbit Service Engineering., 967 North Rd., Murrumbeena.	14171	Premise Match	45m	East
MOTOR CARBURETTOR SPECIALISTS.	Carbit Service Engineering., 967 North Rd Murrumbeena	24336	Premise Match	45m	East
AQUARIUM STOCK &/OR ACCESSORIES.	T Aquariums., 908 North Rd., Bentleigh East.	974	Premise Match	59m	West
ADVERTISING SIGNS - ILLUMINATED. .	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	320	Premise Match	75m	East
ADVERTISING SIGNS-ELECTRIC.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	311	Premise Match	75m	East
ADVERTISING-DISPLAY SPECIALISTS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd.. Murrumbeena.	289	Premise Match	75m	East
FLUORESCENT LIGHTING.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	15648	Premise Match	75m	East
NEON SIGNS &/OR NEON LIGHTING.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	26989	Premise Match	75m	East
NOVELTY GOODS MFRS. &/OR W/SALERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	27312	Premise Match	75m	East
PLASTIC - ACRYLIC FABRICATORS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	30899	Premise Match	75m	East
PLASTIC FABRICATORS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	30967	Premise Match	75m	East
PLASTIC ILLUMINATED SIGN MFRS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	31019	Premise Match	75m	East
PLASTIC MOULDERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd.. Murrumbeena.	31121	Premise Match	75m	East
PLASTIC SIGNS MFRS. &/OR DIST.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	31241	Premise Match	75m	East
PLASTICS.	Personalised Plastics Pty. Ltd. , 975 North Rd.. Murrumbeena.	31341	Premise Match	75m	East
SCREEN PRINTERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd.. Murrumbeena.	34465	Premise Match	75m	East
SKYLIGHT & VENTILATOR MANUFACTURERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd.. Murrumbeena	35233	Premise Match	75m	East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
WINDOW DISPLAY SPECIALISTS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbena.	39744	Premise Match	75m	East
BUILDERS & ALLIED TRADES	Viking Homes Pty. Ltd., 977 North Rd., Murrumbena.	3635	Premise Match	88m	East
PIANO TUNERS &/OR REPAIRERS.	Jones, D. W., 27 Dromana Ave., Bentleigh East.	30687	Premise Match	93m	South East
CONVEYORS - GRAVITY & ROLLER.	Mathews Conveyor Co., 979 North Rd., Murrumbena.	9429	Premise Match	101m	East
CONVEYORS &/OR ELEVATORS-INDUSTRIAL.	Mathews Conveyor Co., 979 North Rd., Murrumbena.	9414	Premise Match	101m	East
ELECTRIC HOISTS.	Moiling, A. P. Pty. Ltd., 979 North Rd, Murrumbena.	11486	Premise Match	101m	East
ENGINEERS-CONVEYORS &/OR ELEVATING EQUIPMENT.	Mathews Conveyor Co., 979 North Rd., Murrumbena.	13161	Premise Match	101m	East
ENGINEERS-LIFT.	Moring, A. P. Pty. Ltd., 979 North Rd., Murrumbena.	13884	Premise Match	101m	East
ENGINEERS-MATERIAL HANDLING.	Moring, A. P. Pty. Ltd., 979 North Rd., Murrumbena.	13929	Premise Match	101m	East
HOIST & CRANE MFRS.	Moring A. P. Pty. Ltd., 979 North Rd., Murrumbena.	20036	Premise Match	101m	East
LIFT MFRS. &/OR ENGINEERS.	Moring, A. P. Pty. Ltd., 979 North Rd., Murrumbena.	22155	Premise Match	101m	East
MATERIALS HANDLING EQUIPMENT	Moring, A. P. Pty. Ltd., 979 North Rd., Murrumbena.	22900	Premise Match	101m	East
MECHANICAL HANDLING EQUIPMENT.	Moring, A. P. Pty. Ltd., 979 North Rd., Murrumbena.	22977	Premise Match	101m	East
MOTOR CLUTCH MFRS.	Rapco Clutch Company,, 26 Griffiths Ave., Bentleigh East.	24353	Premise Match	103m	South East
MOTOR CLUTCH REBUILDERS.	Repco Clutch Company, 26 Griffiths Ave , Bentleigh East,	24360	Premise Match	103m	South East
DRAFTING &/OR PRINTING SERVICES.	Planning & Design Pty. Ltd., 890 North Rd., Bentleigh East.	10856	Premise Match	107m	West
HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.	Larenes Hair Fashions,, 890 North Rd., Ormond East.	18967	Premise Match	107m	West
CIGARETTE MFRS. &/OR W/SALERS.	Wills W.D. & H.O. (Australia) Limited, 246 East Boundary Rd., East Bentleigh.	8115	Premise Match	112m	South West
CIGARETTE MFRS. &/OR W/SALERS.	Wills, W. D. & H. O. (Aust) Ltd., 246 East Boundary Rd., Bentleigh East	8118	Premise Match	112m	South West
TOBACCO & CIGARETTE MANUFACTURERS.	Wills, W. D. & H. O. (Aust) Ltd., 246 East Boundary Rd., Bentleigh East	37901	Premise Match	112m	South West
TOBACCO & CIGARETTE MANUFACTURERS.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Road, East Bentleigh	37898	Premise Match	112m	South West
TOBACCO PROCESSORS.	W. D. & H. O. Wills (Aust.) Ltd., 246 East Boundary Road, East Bentleigh.	37912	Premise Match	112m	South West
TOBACCO PROCESSORS.	Wills, W. D. & H. O. (Aust) Ltd., 246 East Boundary Rd., Bentleigh East	37913	Premise Match	112m	South West

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1977 Business to Business Directory Records Road or Area Matches

Records from the 1977 UBD Business to Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
BEARING MFRS.	Bi-Metal Industries Pty. Ltd., Carey St., Bentleigh East	2161	Road Match	0m
BEARINGS &/OR BUSH MFRS., &/OR DIST.	Bi-Metal Industries Pty. Ltd., Carey St, Bentleigh East	2176	Road Match	0m
BUTCHERS.	Brien, J. A., East Boundary Rd., Bentleigh.	4610	Road Match	0m
COPPER BRAZING.	Bi-Metal Industries Pty. Ltd., Carey St, Bentleigh East	9433	Road Match	0m
DROP FORGINGS MFRS.	Cyclone Forgings Pty. Ltd., East Boundary Rd., Bentleigh East.	11012	Road Match	0m
FLEXIBLE SHAFTING &/OR TUBING MFRS. &/OR DIST.	Patons Brake Replacements Pty. Ltd., 264 East Boundry Rd., Bentleigh East.	15355	Road Match	0m
FOUNDERS - BRASS.	Clemer Brass Foundry,, Cobar St., Bentleigh East.	15810	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
FOUNDERS-NON-FERROUS.	Cleamar Brass Foundry,, Cobar St., East Ormond.	15892	Road Match	0m
TOOL MFRS.	Cyclone Forgings Pty. Ltd., East Boundary Rd., Benteigh East.	37937	Road Match	0m
WEAVERS-INSECT SCREENING.	Cyclone K-M Products Pty. Ltd., East Boundary Rd, Benteigh.	39486	Road Match	0m
WIRE FENCING MANUFACTURERS.	Cyclone K-M Products Pty. Ltd., East Boundary Rd, East Benteigh.	39856	Road Match	0m
WIRE GAUZE WEAVERS.	Cyclone K-M Products Pty. Ltd., East Boundary Rd, East Benteigh.	39858	Road Match	0m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena,, Murrumbeena Rd., Murrumbeena.	24987	Road Match	34m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Caltex Oil Carnegie,, North Rd.. Carnegie.	25094	Road Match	145m

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1974 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1974 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1974 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
BUILDERS SUPPLIES.	Bibby's Hardware, 948 North Rd., East Oakleigh.	104369	Premise Match	0m	Onsite
CLOTHING MFRS. &/OR W/SALERS-INDUSTRIAL.	Johnston, A. B. & Co. Pty. Ltd., 956 North Rd., East Bentleigh.	114092	Premise Match	0m	Onsite
CONFECTIONERY SHOPS, MILK BARS & MIXED BUSINESSES.	Hollier, J., 926 North Rd., Bentleigh,.	116978	Premise Match	0m	Onsite
CRANES & FORKLIFTS FOR HIRE.	Bibby, T. A. A Co, Pty. Ltd., 948 North Rd., East Bentleigh.	118961	Premise Match	0m	Onsite
CRANES.	Bibby, T. A. & Co. Pty. Ltd., 948 North Rd., East Bentleigh,.	118916	Premise Match	0m	Onsite
DOOR MFRS.	Cemac, Rosebery Pty. Ltd., 940 North Rd., East Bentleigh.	122028	Premise Match	0m	Onsite
DRUGGISTS W/SALM.	Dux Drug Co., 944 North Rd., East Bentleigh.	123379	Premise Match	0m	Onsite
ELECTRIC CLOCK MFRS. &/OR DIST.	Landis & Gyr Ltd., 2 Murra St., Ormond East.	124065	Premise Match	0m	Onsite
ELECTRICAL INSTRUMENTS MFRS. &/OR DIST.	Landis & Gyr Ltd., 2 Murra St., Ormond East.	125653	Premise Match	0m	Onsite
ENAMEL MFRS.	G.B. Paint Co., The, 954 North Rd., Bentleigh.	126611	Premise Match	0m	Onsite
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL.	Bibby, T. A., 946 North Rd., East Bentleigh.	127748	Premise Match	0m	Onsite
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL.	Modern Eng. Co. Pty. Ltd., 934 North Rd., East Ormond.	128273	Premise Match	0m	Onsite
ENGINEERS-ELECTRONIC.	Carruthers, R. W. Pty. Ltd., 2 Carey St., East Bentleigh.	127444	Premise Match	0m	Onsite
HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.	Manfield, J. V., 920 North Rd., East Bentleigh.	142235	Premise Match	0m	Onsite
HPM MANUFACTURING.	Landis & Gyr Ltd., 2 Murra St., Ormond East.	124832	Premise Match	0m	Onsite
MANUFACTURERS REPRESENTATIVES &/OR INDENT AGENTS.	Foley, W. L. & Co., 920 North Rd., East Bentleigh.	151836	Premise Match	0m	Onsite
MOTOR ACCESSORY MFRS. &/OR WHOLESALERS.	Whelan, R. & M., 934 North Rd., East Ormond.	154551	Premise Match	0m	Onsite
MOTOR BOOT BUILDERS	Haulmaster Transport Equipment Pty. Ltd., 1 Cobar St., East Bentleigh.	154638	Premise Match	0m	Onsite
MOTOR ELECTRICIANS.	Peerless Auto Electrics, 948 North Rd., East Bentleigh.	156086	Premise Match	0m	Onsite
MOTOR MAGNETO & GENERATOR REPAIRS.	Peerless Auto Electrics, 948 North Rd., East Bentleigh.	157500	Premise Match	0m	Onsite
MOTOR SERVICE STATIONS - PETROL, OIL.	B.P. Murrumbena, 946 North Rd.,	159252	Premise Match	0m	Onsite
MOTOR SPARE PARTS MFRS. &/OR W/SALERS.	Durable Auto Spares, 924 North Rd., Ormond East.	160867	Premise Match	0m	Onsite
PACKING &/OR PACKAGING SUPPLIES.	British United Chemicals Pty. Ltd., 944 North Rd., East.	163132	Premise Match	0m	Onsite
PAINT & VARNISH MFRS.	G.B. Paint Co. Pty. Ltd., 954 North Rd., East Bentleigh.	163246	Premise Match	0m	Onsite
PAINTS-ANTI-CORROSIVE.	British United Industries Pty. Ltd., 944 North Rd., East Bentleigh.	163856	Premise Match	0m	Onsite
PLUMBERS.	Dillon, M. J., 4 Cobar St., Bentleigh East.	169348	Premise Match	0m	Onsite
RESIN MANUFACTURERS - SYNTHETIC.	British United Industries Pty. Ltd., 946 North Rd., East Bentleigh.	173853	Premise Match	0m	Onsite
SHOP &/OR OFFICE FITTERS.	Hill, Arthur C., 2 Carey St., East Bentleigh.	177376	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL - STRUCTURAL ERECTORS.	Bibby, T. A. & Co. Pty. Ltd., 948 North Rd., East Bentleigh.	180228	Premise Match	0m	Onsite
STEEL - STRUCTURAL.	Bibby, T. A. & Co. Pty. Ltd., 948 North Rd., East Bentleigh.	180177	Premise Match	0m	Onsite
TIMBER MERCHANTS.	Major Timber Supplies Pty. Ltd., 928 North Rd., East Bentleigh.	183026	Premise Match	0m	Onsite
WELDERS-ELECTRIC &/ OR OXY-ACETYLENE.	Bibby's Crane & Transport Service, 946 North Rd., East Bentleigh.	187554	Premise Match	0m	Onsite
WELDERS-ELECTRIC &/ OR OXY-ACETYLENE.	Modern Engineering Co. Pty. Ltd., 934 North Rd., East Ormond.	187807	Premise Match	0m	Onsite
MOTOR SERVICE STATIONS - PETROL, OIL.	Golden Fleece Ormond East, Cnr. North & East Boundary Rd.,	159918	Road Intersection	23m	West
ENGINEERS-REPETITION.	Carbit Service Engineering, 967 North Rd., Murrumbeena.	129461	Premise Match	45m	East
MOTOR CARBURETTOR SPECIALISTS.	Carbit Service Engineering, 967 North Rd., Murrumbeena.	155882	Premise Match	45m	East
MOTOR SERVICE STATIONS - PETROL, OIL.	Fischer, O., 961 North Rd., Murrumbeena.	159785	Premise Match	45m	East
CARRIERS &/OR CARTAGE CONTRACTORS.	S. S. Transport Services, 963 North Rd., Murrumbeena.	110401	Premise Match	46m	East
FURNITURE REMOVERS &/OR STORERS.	S.S. Transport Services, 963 North Rd., Murrumbeena.	138119	Premise Match	46m	East
FURNITURE REMOVERS &/OR STORERS.	South Suburban Taxi Trucks Pty. Ltd., 963 North Rd., Murrumbeena.	138127	Premise Match	46m	East
MESSENGER SERVICES,	S.S. Transport Services, 963 North Rd., Murrumbeena.,	153147	Premise Match	46m	East
MOTOR HIRE SERVICES-DRIVE YOURSELF &/OR RENTAL.	S.S. Transport Services, 963 North Rd., Murrumbeena.	157459	Premise Match	46m	East
ENGINEERS HOT WATER HEATING &/OR VENTILATING.	Hawkins & Willcox Pty. Ltd., 969 North Rd., Murrumbeena.	128745	Premise Match	48m	East
AQUARIUM STOCK &/OR ACCESSORIES.	Comet Aquariums, 908 North Rd., East Bentleigh.	96366	Premise Match	59m	West
GROCERS-RETAIL.	Scott, J. L. & S. A., 904 North Rd., East Bentleigh.	140940	Premise Match	64m	West
ADVERTISING SIGNS - ELECTRIC.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	95445	Premise Match	75m	East
ADVERTISING SIGNS - ILLUMINATED.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	95457	Premise Match	75m	East
ADVERTISING-DISPLAY SPECIALISTS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	95406	Premise Match	75m	East
NOVELTY GOODS MFRS. &/OR W/SALERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	162371	Premise Match	75m	East
PLASTIC ACRYLIC FABRICATORS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	168543	Premise Match	75m	East
PLASTIC FABRICATORS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	168633	Premise Match	75m	East
PLASTIC ILLUMINATED SIGN MFRS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	168686	Premise Match	75m	East
PLASTIC MOULDERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	168797	Premise Match	75m	East
PLASTIC SIGNS MFRS. &/OR DIST.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	168980	Premise Match	75m	East
PLASTICS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	169127	Premise Match	75m	East
SCREEN PRINTERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	175801	Premise Match	75m	East
SKYLIGHT & VENTILATOR MANUFACTURERS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	177903	Premise Match	75m	East
WINDOW DISPLAY SPECIALISTS.	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena.	188171	Premise Match	75m	East
FRUITERERS &/OR GREENGROCERS.	Gowans, S., 898 North Rd., East Ormond.	135242	Premise Match	83m	West
ACCOUNTANTS & AUDITORS.	Moses, E. J. & Co., 977 North Rd., Murrumbeena.	94774	Premise Match	88m	East
ACCOUNTANTS & AUDITORS.	Moss, Roseman & Co., 977 North Rd., Murrumbeena.	94775	Premise Match	88m	East
BUILDERS & ALLIED TRADES	Viking Homes Pty. Ltd., 977 North Rd., Murrumbeena.	103563	Premise Match	88m	East
CHEMISTS MFRG. &/OR W/SALERS.	Merrell, William S. & Co., 977 North Rd., Murrumbeena.	111492	Premise Match	88m	East
CONFECTIONERY SHOPS, MILK BARS & MIXED BUSINESSES.	Barnard, T. E., 896 North Rd., Ormond East.	116040	Premise Match	89m	West
PIANO TUNERS &/OR REPAIRERS.	Jones, D. W., 27 Dromana Ave., East Bentleigh.	168054	Premise Match	93m	South East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TOOL MFRS.	Plastaion Pty. Ltd., 894 North Rd., East Bentleigh.	183639	Premise Match	95m	West
CONVEYORS &/OR ELEVATORS-INDUSTRIAL.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	118564	Premise Match	101m	East
CONVEYORS -GRAVITY & ROLLER.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	118594	Premise Match	101m	East
ELECTRIC HOISTS.	Morling A. P. Pty. Ltd., 979 North Rd., Murrumbeena.,	124229	Premise Match	101m	East
ENGINEERS-CONVEYORS &/OR ELEVATING EQUIPMENT.	Mathews Conveyor Co., 979 North Rd., Murrumbeena.	127316	Premise Match	101m	East
ENGINEERS-LIFT.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	128889	Premise Match	101m	East
ENGINEERS-MATERIAL HANDLING.	Marling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	129009	Premise Match	101m	East
HOIST & CRANE MFRS.	Morling, A. P. Pty. Ltd., 979 North Rd., Mum/Inborn*.	145035	Premise Match	101m	East
LIFT MFRS. &/OR ENGINEERS.	Marling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	150644	Premise Match	101m	East
MATERIALS HANDLING EQUIPMENT.	Morling, A. P. Pty. Ltd., 979 North Rd., Murrumbeena.	152404	Premise Match	101m	East
MECHANICAL BANDUNG EQUIPMENT.	Moan°, A. P. Pty. Ud., 979 North Rd., Murrumbeena.	152533	Premise Match	101m	East
BUTCHERS.	Spark, J. O. 892 North Rd, Ormond East.	106511	Premise Match	101m	West
ELASTIC & RIGID WEBBING MFRS.	Merlin Electrical Components Pty. Ltd., 890 North Rd., East Ormond.	124044	Premise Match	107m	West
ELECTRICAL CONNECTORS.	Merlin Electrical Components Pty. Ltd., 890 North Rd, East Ormond.	124943	Premise Match	107m	West
HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.	Larene's Hair Fashions, 890 North Rd., East Ormond.	142116	Premise Match	107m	West
FANCY GOODS W/SALE.	Wdlis, W. D. & H. O., (Aust.) Ltd., 246 East Boundary Rd., East Bentleigh.	131048	Premise Match	112m	South West
HAIRDRESSERS SUPPLIES.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Rd., East Bentleigh.	143542	Premise Match	112m	South West
TOBACCO & CIGARETTE MANUFACTURERS.	Wills, W. D. & H. O. (Aust.) Ltd., 246 East Boundary Rd., East Bentleigh.	183271	Premise Match	112m	South West
HAIRDRESSERS-MENS.	Evans, T., 888 North Rd., East Bentleigh.	143015	Premise Match	113m	West
HAIRDRESSERS-MENS.	Tornasello, G., 888 North Rd., East Bentleigh.	143434	Premise Match	113m	West
ELECTRICAL CONTRACTORS.	Willets. E. G., 24 Murrong Ave., East Bentleigh.	125313	Premise Match	120m	West
CHEMISTS-RETAIL.	Sasella, A. K., 886 North Rd., Ormond.	112402	Premise Match	121m	West
NEON SIGNS &/OR NEON MINTING.	Personalised Plastic Signs Pty. Ltd., 985 North Rd., Murrumbeena.	161718	Premise Match	145m	East
SCHOOLS &/OR COLLEGES.	Murrumbeena High School, 801 North Rd., Murrumbeena.	175422	Premise Match	146m	North West

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1974 Business to Business Directory Records Road or Area Matches

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Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
AGRICULTURAL MACHINERY MFRS. & /OR DISTS.	Dime & Mcleod, North Rd.:Bentleigh.	95572	Road Match	0m
BEARING MFRS.	Bi-Metal Industries Pty. Ltd., Carey St, East Bentleigh.	99329	Road Match	0m
BEARINGS OR BUSH MFRS. &/OR GISTS.	Bi-Metal Industries Pty. Ltd., Carey St, East Bendeigh.	99354	Road Match	0m
CIGARETTE MFRS. &/OR W/SALER.	Wills, W. D. & H. Cl., (Australia) Ltd., East Boundary Rd., East Bentleigh.	113485	Road Match	0m
CIGARETTE PAPER MFRS.	Wills, W. D. & H. O., (Aust.) Ltd.; East Boundary Rd., East Bentleigh.	113488	Road Match	0m
ENGINE RECONDITIONERS.	Bi-Metal Industries Pty. Ltd., Carey St, Bentleigh East.	126707	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
FLEXIBLE SHAFTING V OR TUBING MFRS. &/OR DIST.	Paton's Brake Replacements Pty, Ltd., 264 Boundary Rd., East.Bentleigh.	132377	Road Match	0m
FOUNDERS-NON-FERROUS.	Clemar Brass Foundry, Cobar St., East Ormond.	133661	Road Match	0m
METAL PRESSERS &/OR STAMPERS.	Precision Metal Stampings Pty. Ltd., 264A East Boundary Rd., East Bentleigh.	153398	Road Match	0m
MOTOR PAINTERS.	Wraith, G. E & M. W., Boundary Rd., East Bentleigh.	157878	Road Match	0m
MOTOR SERVICE STATIONS - PETROL, OIL.	Eastmoor Auto Service, East Boundary Rd., East Bentleigh.	159735	Road Match	0m
WEAVERS - INSECT SCREENING.	Cyclone K-M Products Pty. Ltd., East Boundary Rd., East Bentleigh.	187494	Road Match	0m
WELDERS-ELECTRIC &/ OR OXY-ACETYLENE.	Wraith, G. F. & H. W., Boundary Rd., East Bentleigh.	187980	Road Match	0m
WIRE FENCING MANUFACTURERS.	Cyclone K-M Products Pty. Ltd., East Boundary Rd., East Bentleigh.	188385	Road Match	0m
WIRE GAUZE WEAVERS.	Cyclone K-M Products Pty. Ltd., East Boundary Rd., East Bentleigh.	188393	Road Match	0m
BUILDINGS-PRE-FABRICATED-MFRS.	Mcdonald, Thos. E., Crosbie Ave., Bentleigh.	104944	Road Match	27m
CAKE & SANDWICH SHOPS.	Listerbell Swiss Cake Shop, Murrumbeena Rd., Murrumbeena.	108477	Road Match	34m
WINCH MFRS.	Webb Industries Ltd., Murrumbeena Rd., East Bentleigh.	188136	Road Match	34m
BATTERY SUPPLIES &/OR SERVICE.	Koornang Service Station, North Rd., Carnegie.	99268	Road Match	145m
ELECTRICAL APPLIANCE & EQUIPMENT MFRS. & W/SALERS.	Aeronautical & Industrial Lighting Co., North Rd., Carnegie.	124747	Road Match	145m
BINDING MFRS.	Davies, J. & Sons, Brett Rd., Murrumbeena.	99484	Road Match	148m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1965 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1965 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1965 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
AUTO. REPLACEMENT PARTS MFRS.	Automotive Components Services (Vic.) Pty. Ltd., 934-936 North Rd., East Ormond	3216	Premise Match	0m	Onsite
BLIND MANUFACTURERS	Carlisle Industries Pty. Ltd., 940 North Rd., East Bentleigh	5446	Premise Match	0m	Onsite
BOAT & YACHT BUILDERS	Caporn Supercraft Pty. Ltd., 942 North Rd., East Ormond	5596	Premise Match	0m	Onsite
CLOTHING-INDUSTRIAL	Johnson, A. B., & Co. Pty. Ltd., 956 North Rd., East Bentleigh	20530	Premise Match	0m	Onsite
CONFECTIONERY SHOPS MILK BARS ETC.	Hollier, J., 926 North Rd. Bentleigh	23568	Premise Match	0m	Onsite
CRANES	Bibby, T. A., & Co. Pty. Ltd., 948 North Rd., East Bentleigh	26337	Premise Match	0m	Onsite
CRANES & FORK LIFTS FOR HIRE	Bibby, T. A., & Co. Pty. Ltd., 948 North Rd., East Bentleigh	26366	Premise Match	0m	Onsite
DRUG MERCHANTS-WHOLESALE	Dux Drug Co., 944 North Rd., East Bentleigh	31380	Premise Match	0m	Onsite
EARTH MOVING & EXCAVATING CONTRACTORS	Cook, D., Pty. Ltd., 960 North Rd., East Ormond	31809	Premise Match	0m	Onsite
ENAMEL MANUFACTURERS	G.B. Paint Co.. The., 954 North Rd., Bentleigh	35202	Premise Match	0m	Onsite
ENGINEERS-GENERAL, MECHANICAL & MANUFACTURING	Bibby, T. A., 946 North Rd., East Bentleigh	36228	Premise Match	0m	Onsite
ENGINEERS-GENERAL, MECHANICAL & MANUFACTURING	Modern Eng. Co. Pty. Ltd., 934 North Rd., East Ormond	36778	Premise Match	0m	Onsite
ENGINEERS-STRUCTURAL	Bibby. T. A.. & Pty Ltd., 946 North Rd., East B'leigh	38202	Premise Match	0m	Onsite
MOTOR ACCESSORY MANUFACTURERS & WHOLESALE	Whelan, R. & M., 934 North Rd., East Ormond	66925	Premise Match	0m	Onsite
MOTOR ELECTRICIANS	Peerless Auto Electrics., 948 North Rd., East Bentleigh	68410	Premise Match	0m	Onsite
MOTOR FUEL PUMPS	Peerless Auto Electrics., 948 North Rd., East Bentleigh	68985	Premise Match	0m	Onsite
MOTOR MAGNETO AND GENERATOR REPAIRS	Peerless Auto Electrics., 948 North Rd., East Bentleigh	69864	Premise Match	0m	Onsite
MOTOR SERVICE STATIONS, PETROL, ETC.	BP Australia Limited., 946 North Rd. Murrumbidgee:	71581	Premise Match	0m	Onsite
PACKING & PACKAGING SUPPLIES	British United Chemicals Pty. Ltd., 944 North Rd., East Bentleigh	75638	Premise Match	0m	Onsite
PAINT & VARNISH MANUFACTURERS	G.B. Paint Co., The, 954 North Rd., Bentleigh	75696	Premise Match	0m	Onsite
PAINTS-ANTI-CORROSIVE	British United industries Pty. Ltd., 944 North Rd., East Bentleigh	77008	Premise Match	0m	Onsite
POTTERY MFRS. & DISTRIBUTORS	Cook, R. H., 938 North Rd., East Bentleigh	83378	Premise Match	0m	Onsite
PRINTERS	Rainbow Printing Service Pty. Ltd., 924 North Rd., East Bentleigh	84300	Premise Match	0m	Onsite
RESIN MFRS.-SYNTHETIC	British United Industries Pty. Ltd., 944 North Rd., East Bentleigh	87422	Premise Match	0m	Onsite
STEEL STRUCTURAL	Bibby, T. A., & Co. Pty. Ltd., 948 North Rd., East Bentleigh	93864	Premise Match	0m	Onsite
STEEL STRUCTURAL ERECTORS	Bibby, T. A., & Co. Pty. Ltd., 948 North Rd., East Bentleigh	93905	Premise Match	0m	Onsite
TIMBER MERCHANTS	Major Timber Supplies Pty. Ltd., 928 North Rd., East Bentleigh	97265	Premise Match	0m	Onsite
TIMBER MERCHANTS	Major Timber Supplies Pty. Ltd., 928 North Road East Bentleigh	97298	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
VENETIAN BLIND MANUFACTURERS	Carlisle Industries Pty. Ltd., 942 North Rd., East Benleigh	100933	Premise Match	0m	Onsite
WELDERS-ELECTRIC & OXY-ACETYLENE	Bibby's Crane & Transport Service., 946 North Rd., Ea Bentleigh	101611	Premise Match	0m	Onsite
WELDERS-ELECTRIC & OXY-ACETYLENE	Modern Engineering Co. Pty. Ltd., 934 North Rd., East Ormond	101903	Premise Match	0m	Onsite
MOTOR PANEL BEATERS	Bentleigh Panel Beaters., Cnr. North Rd. & Carey St., East Bentleigh	70306	Road Intersection	14m	North
DIE CASTERS	Alanware Pty. Ltd., Cnr. Murrumbeena & North Rds., East Bentleigh	29204	Road Intersection	23m	West
MOTOR SERVICE STATIONS-PETROL, ETC.	Golden Fleece(H. C. Sleigh Limited)., Cnr. North & East Boundary Rds. Ormond East:	72233	Road Intersection	23m	West
BANKS	English, Scottish & Australian Bank Ltd Ormond East: 910 North Rd.	4479	Premise Match	45m	West
AIR CONDITIONING SPECIALISTS & ENGINEERS	Yorkaire Pty. Ltd., 969-973 North Rd., Murrumbeena	1178	Premise Match	54m	East
ENGINEERS-AIR CONDITIONING	Yorkaire Pty. Ltd., 969-973 North Rd., Murrumbeena	35448	Premise Match	54m	East
ENGINEERS-HEATING & VENTILATING	Hawkins & Willcox Pty. Ltd., 969-973 North Rd., Murrumbeena	37262	Premise Match	54m	East
ENGINEERS-REFRIGERATION	Yorkaire Pty. Ltd., 969-973 North Rd., Murrumbeena	37827	Premise Match	54m	East
DRAPERS--RETAIL	Martin, F. J. & K., 904 North Rd., East Ormond	30357	Premise Match	64m	West
GROCERS	Bright Spot., 902 North Rd., East Ormond	50030	Premise Match	71m	West
ADVERTISING DISPLAYS	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	840	Premise Match	75m	East
ADVERTISING SIGNS ILLUMINATED	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	906	Premise Match	75m	East
ADVERTISING SIGNS-ELECTRIC	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	890	Premise Match	75m	East
ILLUMINATED PLASTIC SIGN MFRS	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	57810	Premise Match	75m	East
PLASTIC FABRICATORS	Personalised Plastic Signs Pty. Ltd.975 North Rd. Murrumbeena	828	Premise Match	75m	East
PLASTICS	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	81544	Premise Match	75m	East
PLASTICS-ACRYLIC & FABRICATORS	Personalised Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	81634	Premise Match	75m	East
PLASTICS-ILLUMINATED SIGN MFRS.	Plastic Signs Pty. Ltd., 975 North Rd., Mur-rumbeena	81721	Premise Match	75m	East
SCREEN PRINTERS	Personalised Plastic Signs Pty. Ltd., 975 North Road Murrumbeena	81716	Premise Match	75m	East
SILK SCREEN PROCESS PRINTERS	Plastic Signs Pty. Ltd., 975 North Rd., Murrumbeena	91336	Premise Match	75m	East
FRUITERERS & GREENGROCERS	Boundary Fruit Supply., 898 North Rd. Ormond East	44945	Premise Match	83m	West
ACCOUNTANTS (PUBLIC) & AUDITORS	Moses, E. J., & Co., 977 North Rd.,	494	Premise Match	88m	East
INSURANCE BROKERS	Mounttord, J. R., Pty. Ltd., 977 North Rd., Murrumbeena	58957	Premise Match	88m	East
TYPISTS-PUBLIC	Eentleigh Typing & Duplicating Service., 977 North Rd., Murrumbeena	100080	Premise Match	88m	East
CONFECTIONERY SHOPS, MILK BARS & MIXED BUSINESSES	Barnard, T. E., 896 North Rd. Ormond East	25050	Premise Match	89m	West
PIANO TUNERS & REPAIRERS	Jones, D. W., 27 Dromana Av., East Bentleigh	80789	Premise Match	93m	South East
TOOL MANUFACTURERS	Plastalort Pty. Ltd., 894 North Rd., East Bentleigh	98039	Premise Match	95m	West
ELECTRIC HOISTS	Morling, A. P., Pty. Ltd., 979 North Rd., Murrumbeena	32257	Premise Match	101m	East
MATERIALS HANDLING EQUIPMENT	Morling, A. P., Pty. Ltd., 979 North Rd., Murrumbeerra	64499	Premise Match	101m	East
MECHANICAL HANDLING EQUIPMENT	Morling, A. P., Pty. Ltd., 979 North Rd., Murrumbeena	64623	Premise Match	101m	East
ELECTRIC CABLE MARKERS	Merlin Electrical Components Pty. Ltd., 890 North Rd., East Ormond,	32066	Premise Match	107m	West
ELECTRICAL CONNECTORS	Merlin Electrical Components Pty. Ltd., 890 North Rd., East Ormond	33075	Premise Match	107m	West
HAIRDRESSERS (LADIES') & BEAUTY SALONS	Mitchell, B. F., 890 North Rd., East Ormond	54185	Premise Match	107m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TOBACCO MNFRS. AND MERCHANTS	Willis, W. D. & H. O. (Aust.) Ltd., Virginia Park Manufacturing Branch, 246 East Boundary Rd., East Bentleigh	97671	Premise Match	112m	South West
BUILDERS & BUILDING CONTRACTORS	Phillips, G. R. & E. B., Pty. Ltd., 26 Murrong Rd., Ormond Ormond	9350	Premise Match	112m	West
ELECTRICAL CONTRACTORS	Willetts, E. G., 24 Murrong Av., East Bentleigh	33451	Premise Match	120m	West
CHEMISTS RETAIL	Sassella, A. K., 886 North Rd. Bentleigh East	17184	Premise Match	121m	West
MOTOR PASSENGER SERVICES	Sinclair, W., Bus Service., 983 North Rd., Murrumbeena	70728	Premise Match	139m	East
BUILDERS & BUILDING CONTRACTORS	Norton & Bridges, 982 North Rd., East Bentleigh	8599	Premise Match	144m	East

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1965 Business to Business Directory Records Road or Area Matches

Records from the 1965 UBD Business to Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
BUILDERS & BUILDING CONTRACTORS	Stubbs, W.J. & Son, East Boundary Rd., East Bentleigh	8600	Road Match	0m
DUPLICATING & TYPING SERVICES	Bentleigh Typing & Duplicating Service., 977 North Rd., C.1 Moorabbin	31609	Road Match	0m
FLEXIBLE TUBING	Paton's Brake Replacements Pty. Ltd., 264 Boundary Rd., East Bentleigh	40902	Road Match	0m
METAL PRESSERS & STAMPERS	Precision Metal Stampings Pty. Ltd., 264a East Boundary Rd., East Bentleigh	65704	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS	Paton's Brakes Replacements Pty. Ltd., 264a East Boundary Rd., East Bentleigh;	67458	Road Match	0m
MOTOR BRAKE REPLACEMENT PARTS	Paton's Brake Replacements Pty. Ltd., 264a East Boundary Rd., East Bentleigh;	67475	Road Match	0m
POULTRY FARMERS & PRODUCERS	Snibson, L., East Boundary Rd., Bentleigh	83674	Road Match	0m
WIRE GAUZE WEAVERS	Cyclone Company of Australia Pty. Ltd., East Boundary Rd., East Bentleigh	102510	Road Match	0m
BEARING MANUFACTURERS	Bi-Metal Industries Pty. Ltd., Crosbie Park Av., East Bentleigh	5108	Road Match	27m
CAKE & SANDWICH SHOPS	âListerbellâ Swiss Cake Shop., Murrumbeena Rd., Mâbeena	13482	Road Match	34m
ENGINEERS-GENERAL, MECHANICAL & MANUFACTURING	Webb Industries Ltd., Murrumbeena Rd., East Bentleigh	37141	Road Match	34m
GALVANISERS & TINNERS	Webb Industries Ltd., Murrumbeena Rd., East Bentleigh	48229	Road Match	34m
RADIO SALES & SERVICE	Murrumbeena Radio & Electrical Centre., Murrumoeena Rd., Murrumbeena	85892	Road Match	34m
WINCH MANUFACTURERS	Webb Industries Ltd., Murrumbeena Rd., East Bentleigh	102252	Road Match	34m
ELECTRICAL APPLIANCE & EQUIPMENT MFRS. & WHOLESALE	Aeronautical & Industrial Lighting Co., North Rd., Carnegie	32872	Road Match	145m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

1950 Historical Business Directory Records

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

1950 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1950 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
DIE CASTERS	Alanware Pty. Ltd., Cnr. Murrumbeena & North Rds., East Bentleigh	24210	Road Intersection	23m	West
PRESSURE COOKERS	Alanware Pty. Ltd., Cnr. Murrumbeena & North Rds., East Bentleigh	66525	Road Intersection	23m	West
BUILDERS & BUILDING CONTRACTORS	Ford, Edward J., 904 North Rd., Ormond	8718	Premise Match	64m	West
BUILDERS & BUILDING CONTRACTORS	Norton & Bridges, 982 North Rd., East Bentleigh	9302	Premise Match	144m	East

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1950 Business to Business Directory Records Road or Area Matches

Records from the 1950 UBD Business to Business Directory, 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:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MARKET GARDENERS	Marriott, Reg. C., East Boundary Rd., Bentleigh	53283	Road Match	0m
MARKET GARDENERS	Marriott, T. R., East Boundary Rd., Bentleigh	53285	Road Match	0m
MARKET GARDENERS	Marriott, W., East Boundary Rd., Bentleigh	53286	Road Match	0m
MARKET GARDENERS	Peterson, R. V., East Boundary Rd., Bentleigh	53298	Road Match	0m
POULTRY FARMERS & PRODUCERS	Snibson, L., East Boundary Rd., Bentleigh	66396	Road Match	0m
BUILDERS & BUILDING CONTRACTORS	Northeast, C. V., North Rd. (Opp. Crosbie Park), East Bentleigh	8306	Road Match	10m
HOSPITALS-ANIMAL	Hillcrest Hospital, Crosbie Rd., Murrumbeena	45456	Road Match	27m
BANKS	Commonwealth Bank Of Australia, Murrumbeena: Murrumbeena Rd.	4789	Road Match	34m
MEDICAL PRACTITIONERS	Perry, John, Murrumbeena Rd., Murrumbeena	54194	Road Match	34m
PICTURE THEATRES	Victorian Independent Exhibitors Association Argosy Theatre, Murrumbeena Rd., Murrumbeena	64632	Road Match	34m
ELECTRICAL CONTRACTORS & ELECTRICIANS	Willetts, E. G., Murrong Av., East Brighton	81530	Road Match	123m
AIRCRAFT ACCESSORIES & EQUIPMENT	Aeronautical & Industrial Lighting Co., North Rd., Carnegie	2258	Road Match	145m
ELECTRIC LIGHTING FITTINGS MANUFACTURERS & WHOLESALE	Aeronautical & Industrial Lighting Co., North Rd., Carnegie	28027	Road Match	145m
ELECTRICAL APPLIANCE & EQUIPMENT MANUFACTURERS & WHOLESALE	Aeronautical & Industrial Lighting Co., North Rd., Carnegie	28273	Road Match	145m
SHEET METAL WORKERS	Aeronautical & Industrial Lighting Co., North Rd., Carnegie	71498	Road Match	145m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

Historical Business Directories

North Road & East Boundary Road, Bentleigh East, VIC 3165

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:

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
Motor Garages & Service Stations	BP Northpark 946 North Rd. Bentleigh East. 3165	56963	1991	Premise Match	0m	Onsite
Motor Garages & Service Stations	BP Self Service 952 North Rd. Bentleigh East. 3165	56973	1991	Premise Match	0m	Onsite
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Amoco Selfservice, 952 North Rd., Bentleigh East,.	43507	1984	Premise Match	0m	Onsite
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Bp Northpark, 946 North Rd., Bentleigh East.	43789	1984	Premise Match	0m	Onsite
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena, 946 North Rd., Murrumbeena.	672	1980	Premise Match	0m	Onsite
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Northpark S/Stn., 946 North Rd.,Murrumbeena 3163	1542	1980	Premise Match	0m	Onsite
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena,, 946 North Rd.. Murrumbeena.	24988	1977	Premise Match	0m	Onsite
MOTOR SERVICE STATIONS - PETROL, OIL.	B.P. Murrumbeena, 946 North Rd.,	159252	1974	Premise Match	0m	Onsite
MOTOR SERVICE STATIONS, PETROL, ETC.	BP Australia Limited., 946 North Rd. Murrumbeena:	71581	1965	Premise Match	0m	Onsite
MOTOR SERVICE STATIONS - PETROL, OIL.	Golden Fleece Ormond East, Cnr. North & East Boundary Rd.,	159918	1974	Road Intersection	23m	West
MOTOR SERVICE STATIONS- PETROL, ETC.	Golden Fleece(H. C. Sleigh Limited),, Cnr. North & East Boundary Rds. Ormond East:	72233	1965	Road Intersection	23m	West
MOTOR SERVICE STATIONS, PETROL, ETC.	Herberts Auto. Port, Cnr. North & East Boundary Rds., East Bentleigh	707	1960	Road Intersection	34m	West
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Macrow, Peter Motors, 961 North Rd., Murrumbeena.	44513	1984	Premise Match	45m	East
MOTOR SERVICE STATIONS - PETROL, OIL.	Fischer, O., 961 North Rd., Murrumbeena.	159785	1974	Premise Match	45m	East
MOTOR GARAGES AND ENGINEERS	Webber, Frank A., 848 North Rd., East Ormond	802	1960	Premise Match	141m	West
Motor Garages & Service Stations	Webber, F. A. & P. C. Pty. Ltd.. 848 North Rd., Bentleigh East. 3165	3902	1991	Premise Match	161m	West
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Shell Oil Ormond, 848 North Rd., Ormond.	44920	1984	Premise Match	161m	West
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Ormond Service Station, 848 North Rd., Ormond.	45078	1984	Premise Match	161m	West
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Webber, F. A. & P. C. Pty. Ltd., 848 North Rd., East Ormond,.	45139	1984	Premise Match	161m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Shell Oil Ormond, 848 North Rd., Ormond.	1849	1980	Premise Match	161m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Webber, F. A. & P. C. Pty. Ltd., 848 North Rd., East Ormond.	2051	1980	Premise Match	161m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Webber. F . A. & P. C Pty Ltd., 848 North Rd.. East Ormond.	26021	1977	Premise Match	161m	West
MOTOR SERVICE STATIONS - PETROL, OIL.	Shell Oil Ormond, 848 North Rd.,	160545	1974	Premise Match	161m	West
MOTOR SERVICE STATIONS - PETROL, OIL.	Webber, F. A. & P. C. Pty. Ltd., 848 North Rd., East Ormond.	160800	1974	Premise Match	161m	West

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES &/OR ENGINEERS.	Webber, F. A., 848 North Rd., East Ormond.	157394	1974	Premise Match	161m	West
MOTOR SERVICE STATIONS- PETROL, ETC.	Neptune Oil Co. Pty. Ltd., 848 North Rd. Ormond:	72535	1965	Premise Match	161m	West
MOTOR SERVICE STATIONS- PETROL, ETC.	Webber, F. A. & P. C. Pty. Ltd., 848 North Rd., East Ormond	73085	1965	Premise Match	161m	West
MOTOR GARAGES & ENGINEERS	Webber, Frank A., 848 North Rd., East Ormond	69744	1965	Premise Match	161m	West
MOTOR GARAGES &/OR ENGINEERS.	Fischer, O. G., 709 North Rd., Murrumbeena.	156978	1974	Premise Match	494m	West
MOTOR GARAGES & ENGINEERS	Fischer, O. G., 709 North Rd.. Murrumbeena	69305	1965	Premise Match	494m	West

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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:

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
MOTOR SERVICE STATIONS - PETROL, OIL.	Eastmoor Auto Service, East Boundary Rd., East Bentleigh.	159735	1974	Road Match	0m
Motor Garages & Service Stations	MG Workshops, 1 Carey St.. Benleigh East. 3165	57598	1991	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Plus Four Automotive Services 1 Carey Street, Bentleigh.	1622	1980	Road Match	0m
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Plus Four Automotive Services, 1 Carey St., Bentleigh East.	44724	1984	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Plus Four Automotive Services, 1 Carey St., Bentleigh East.	1623	1980	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena, Murrumbeena Rd., Murrumbeena.	673	1980	Road Match	34m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	BP Murrumbeena,, Murrumbeena Rd., Murrumbeena.	24987	1977	Road Match	34m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Shell Oil Murrumbeena, Murrumbeena Rd., Murrumbeena.	1834	1980	Road Match	34m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Caltex Oil Carnegie, North Rd., Carnegie.	816	1980	Road Match	145m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Caltex Oil Carnegie,, North Rd.. Carnegie.	25094	1977	Road Match	145m

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Aerial Imagery 2009

North Road & East Boundary Road, Bentleigh East, VIC 3165



Aerial Imagery 2000

North Road & East Boundary Road, Bentleigh East, VIC 3165



Scale: 0 50 100 200 Meters	Data Source Aerial Imagery: © 2018 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 January 2018
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Aerial Imagery 1991

North Road & East Boundary Road, Bentleigh East, VIC 3165



Legend

Site Boundary

Buffer 150m

Scale: 0 50 100 200 Meters	Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 January 2018
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Aerial Imagery 1987

North Road & East Boundary Road, Bentleigh East, VIC 3165



Aerial Imagery 1981

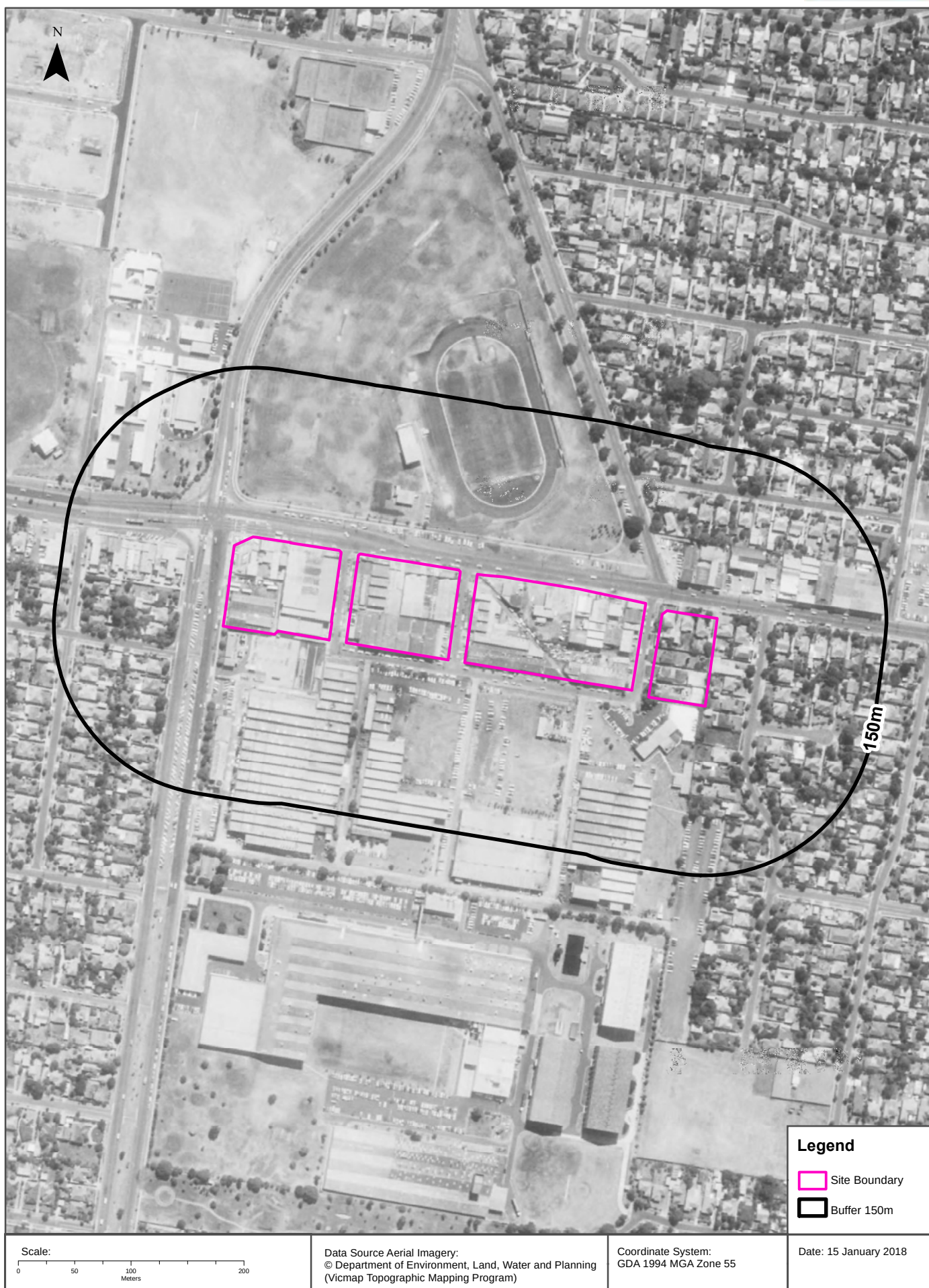
North Road & East Boundary Road, Bentleigh East, VIC 3165



Scale: 0 50 100 200 Meters	Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 January 2018
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Aerial Imagery 1979

North Road & East Boundary Road, Bentleigh East, VIC 3165



Aerial Imagery 1974

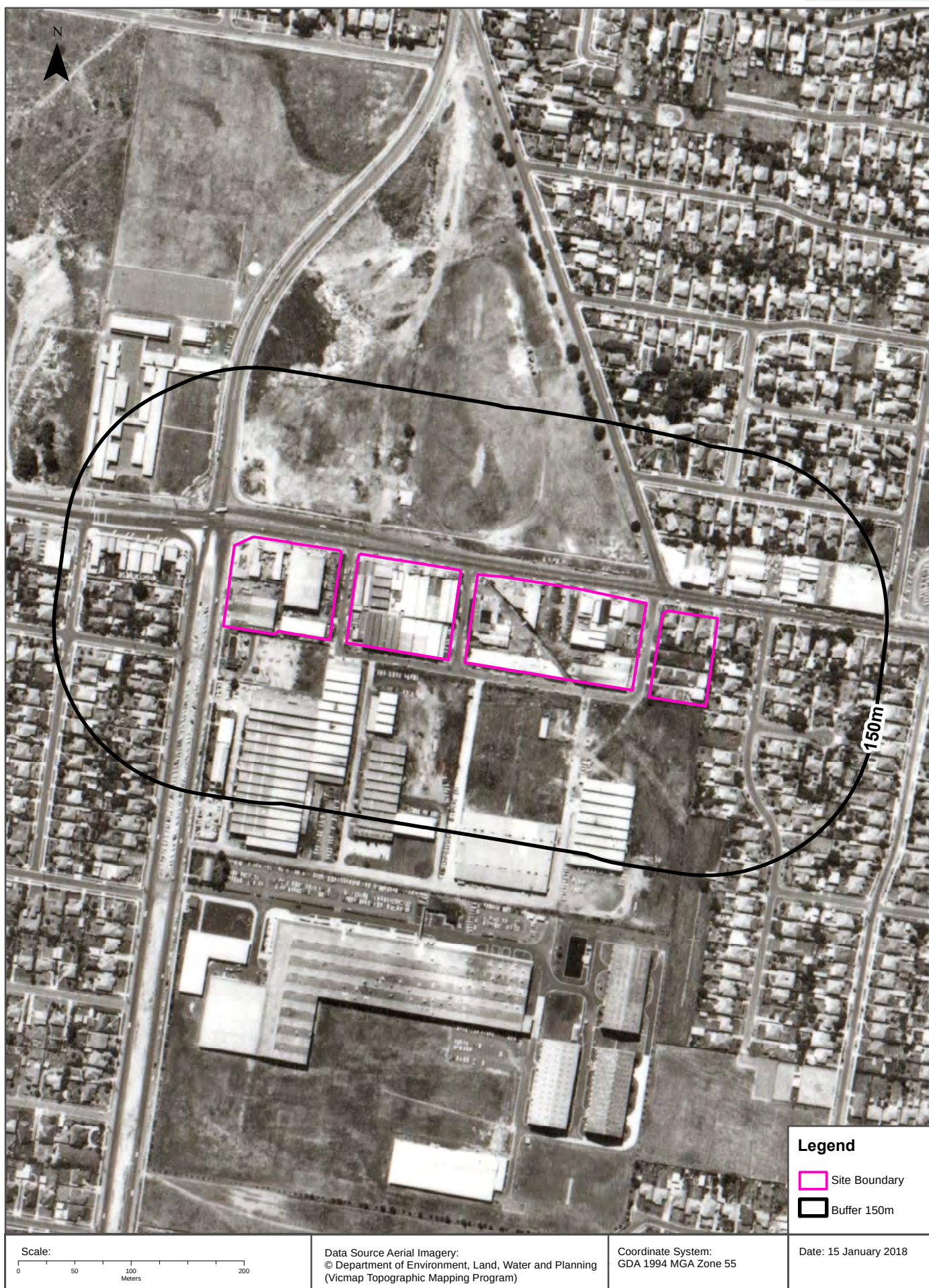
North Road & East Boundary Road, Bentleigh East, VIC 3165



Scale: 0 50 100 200 Meters	Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 January 2018
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Aerial Imagery 1966

North Road & East Boundary Road, Bentleigh East, VIC 3165



Aerial Imagery 1954

North Road & East Boundary Road, Bentleigh East, VIC 3165



Legend

Site Boundary

Buffer 150m

Scale: 0 50 100 200 Meters	Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 January 2018
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Aerial Imagery 1945

North Road & East Boundary Road, Bentleigh East, VIC 3165



Aerial Imagery 1931

North Road & East Boundary Road, Bentleigh East, VIC 3165



Legend

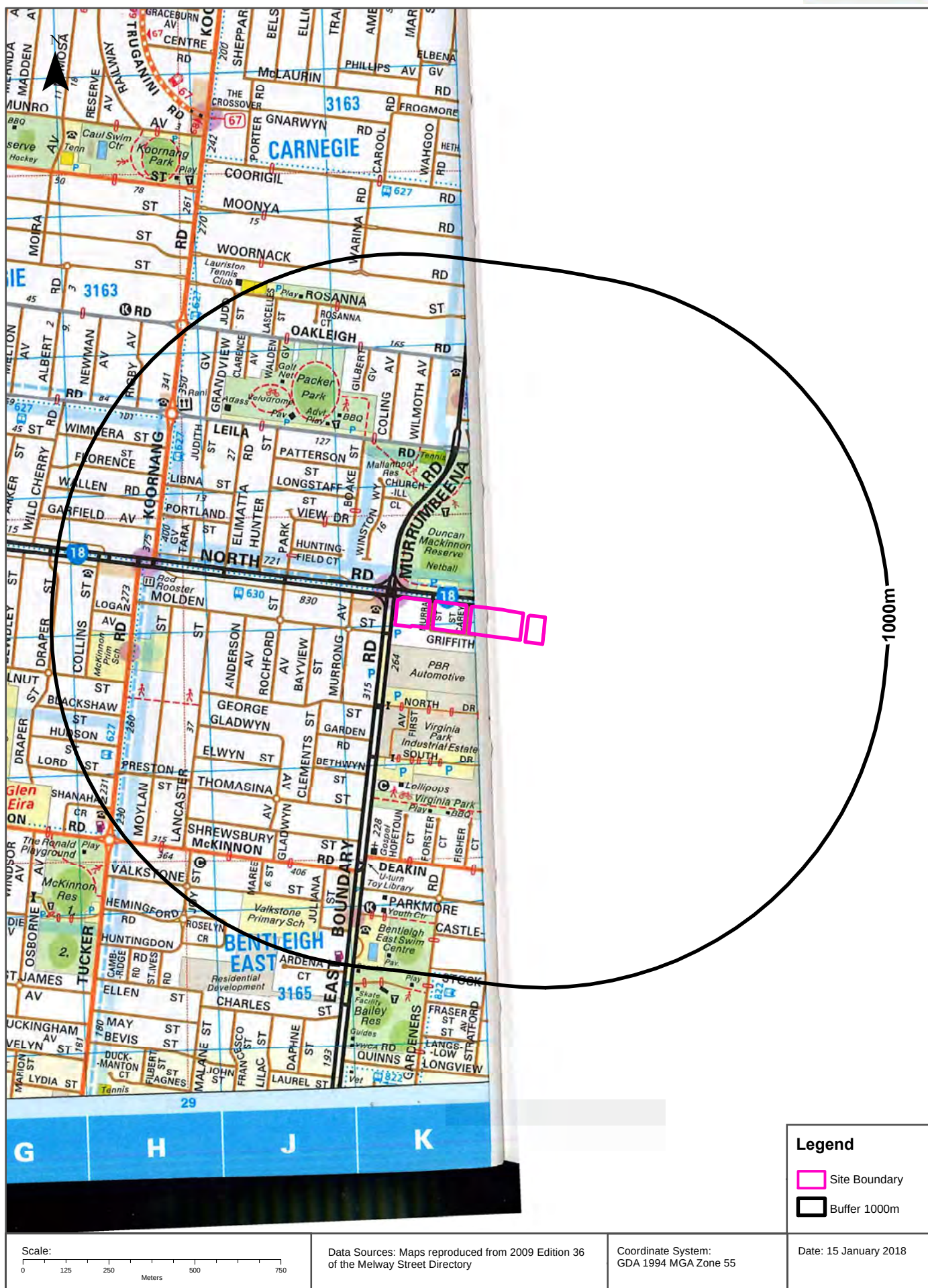
Site Boundary

Buffer 150m

Scale: 0 50 100 200 Meters	Data Source Aerial Imagery: © Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	Coordinate System: GDA 1994 MGA Zone 55	Date: 15 January 2018
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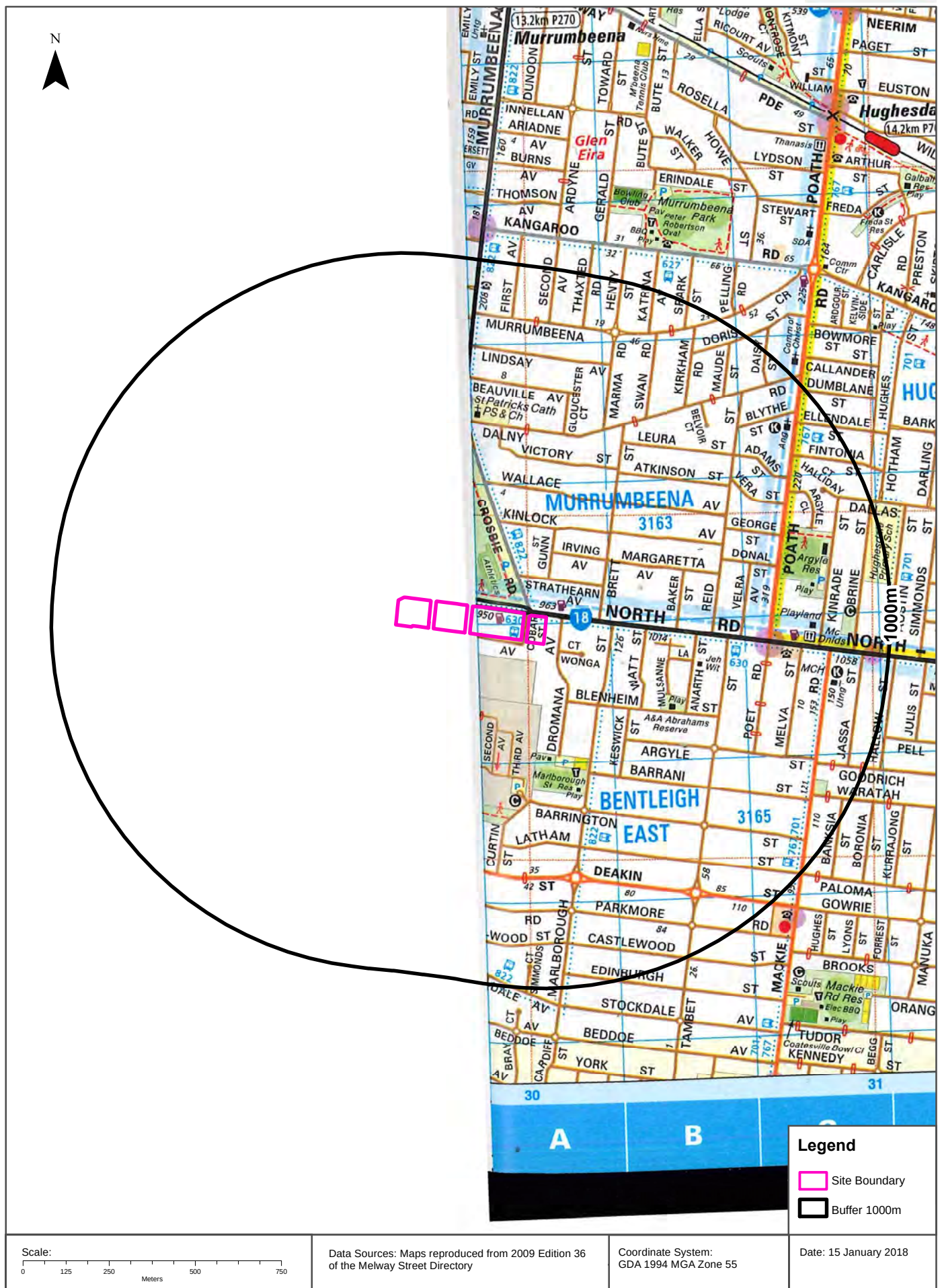
Historical Map 2009

North Road & East Boundary Road, Bentleigh East, VIC 3165



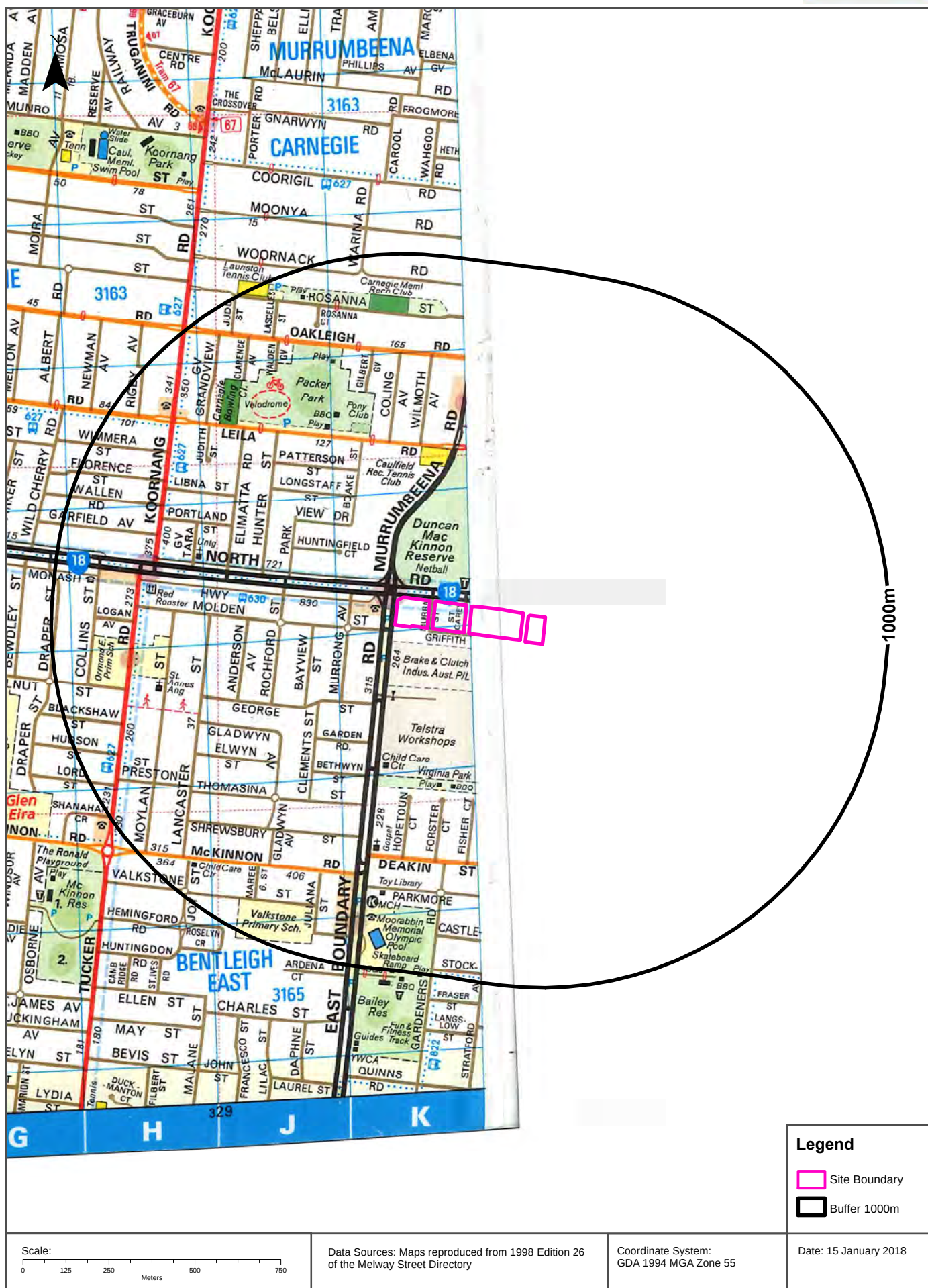
Historical Map 2009

North Road & East Boundary Road, Bentleigh East, VIC 3165



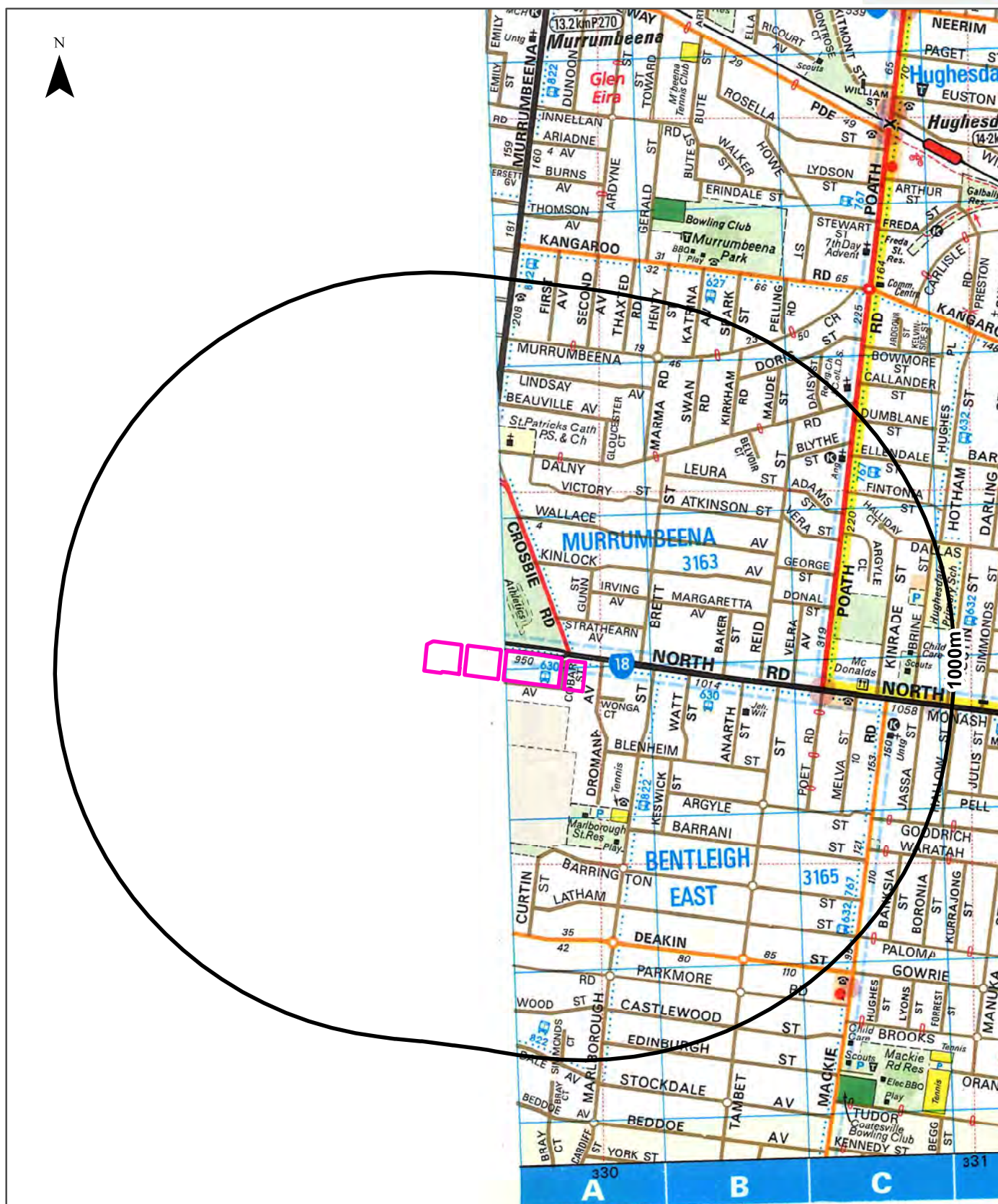
Historical Map 1998

North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Map 1998

North Road & East Boundary Road, Bentleigh East, VIC 3165



Legend

- Site Boundary
- Buffer 1000m

Scale:

0 125 250 500 750
Meters

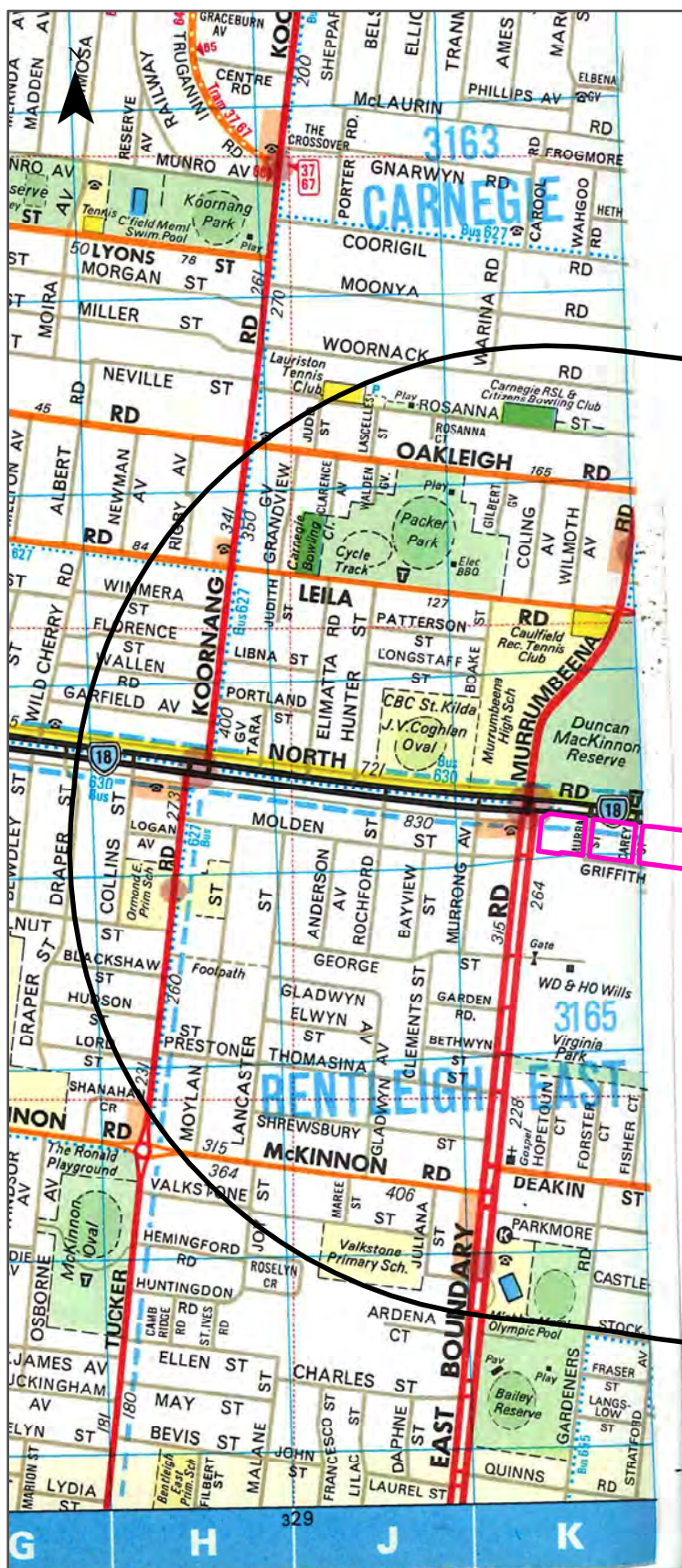
Data Sources: Maps reproduced from 1998 Edition 26 of the Melway Street Directory

Coordinate System:
GDA 1994 MGA Zone 55

Date: 15 January 2018

Historical Map 1986

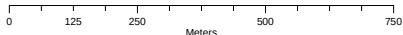
North Road & East Boundary Road, Bentleigh East, VIC 3165



Legend

- Site Boundary
- Buffer 1000m

Scale:



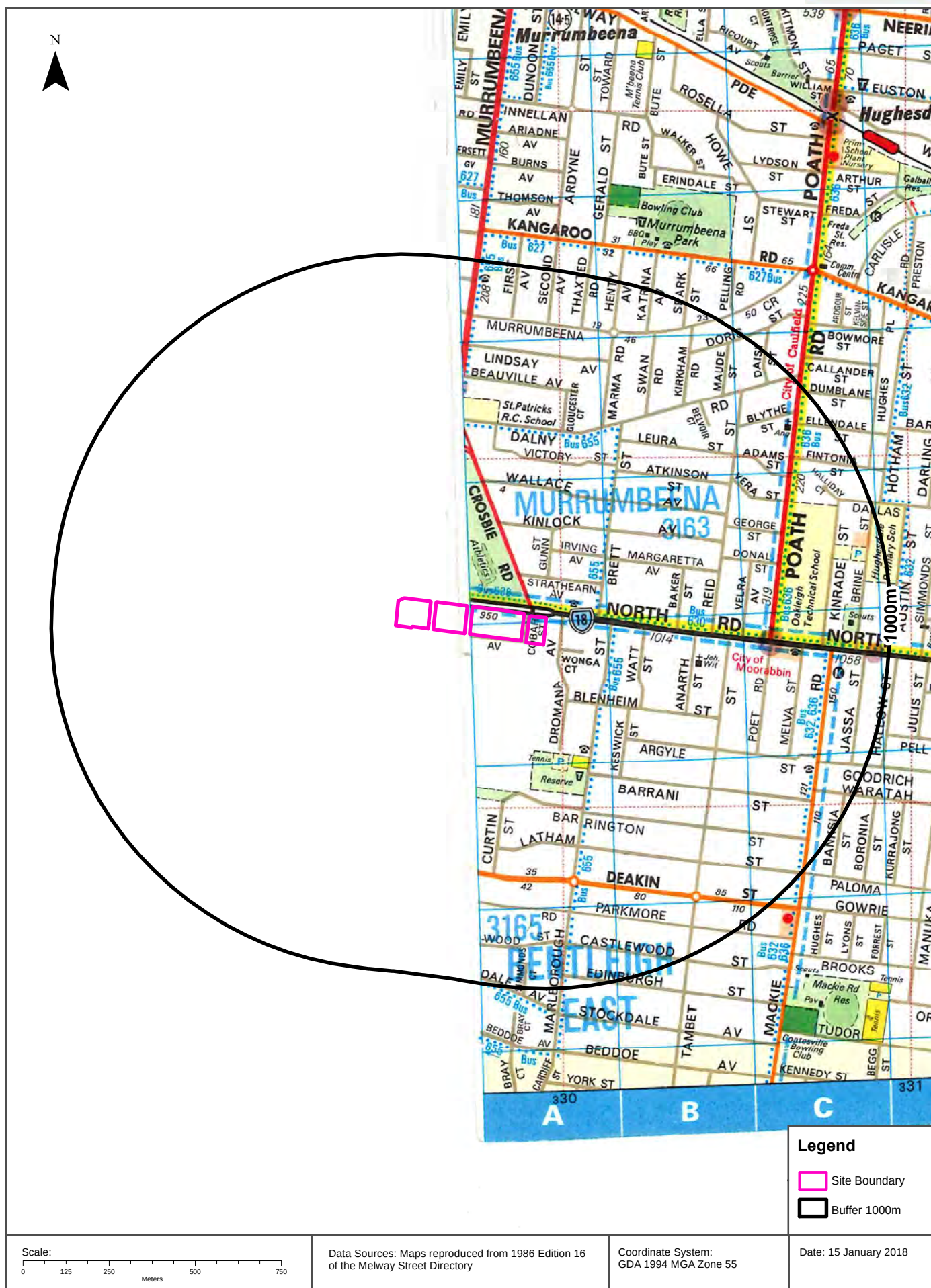
Data Sources: Maps reproduced from 1986 Edition 16 of the Melway Street Directory

Coordinate System:
GDA 1994 MGA Zone 55

Date: 15 January 2018

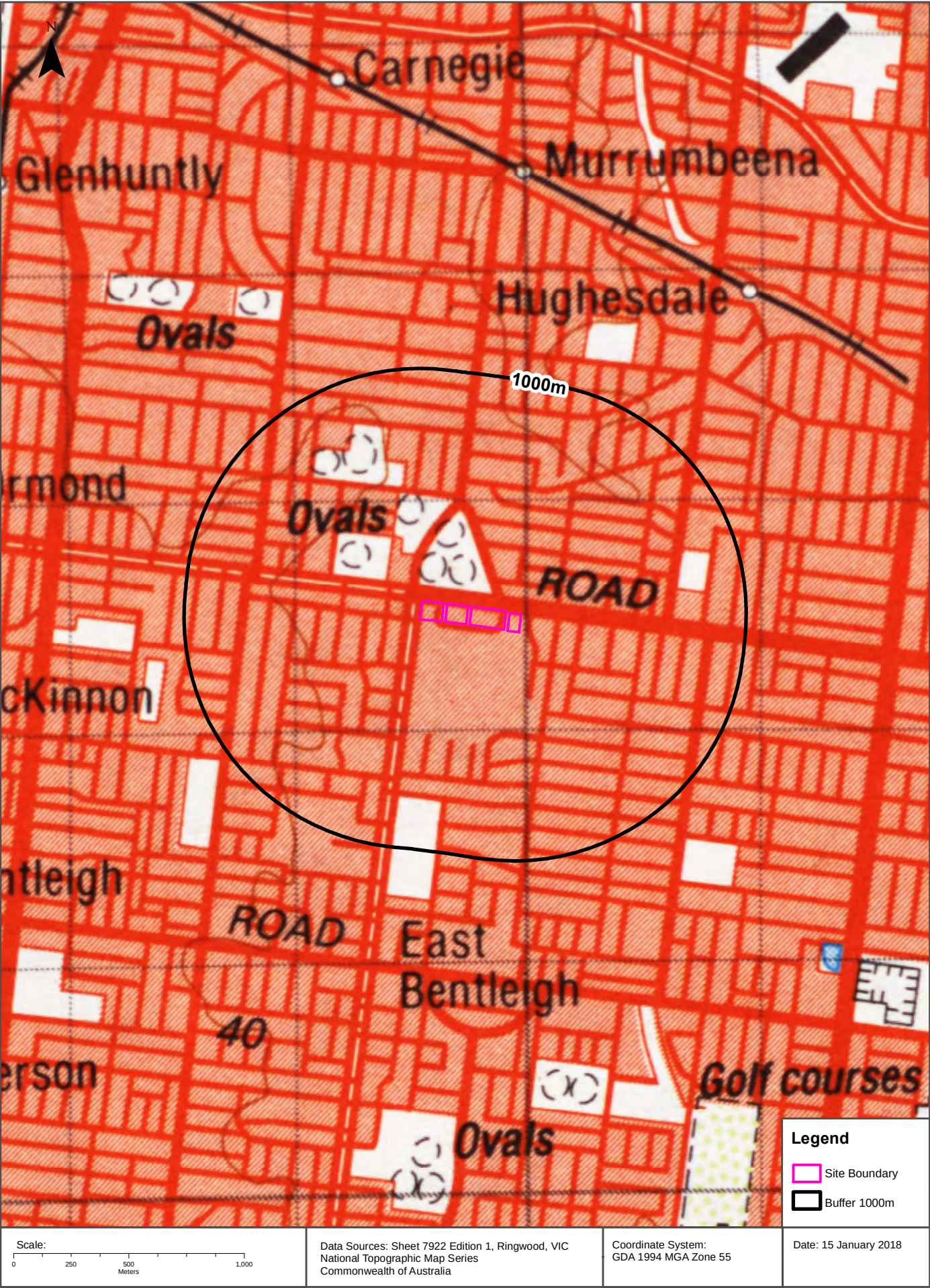
Historical Map 1986

North Road & East Boundary Road, Bentleigh East, VIC 3165



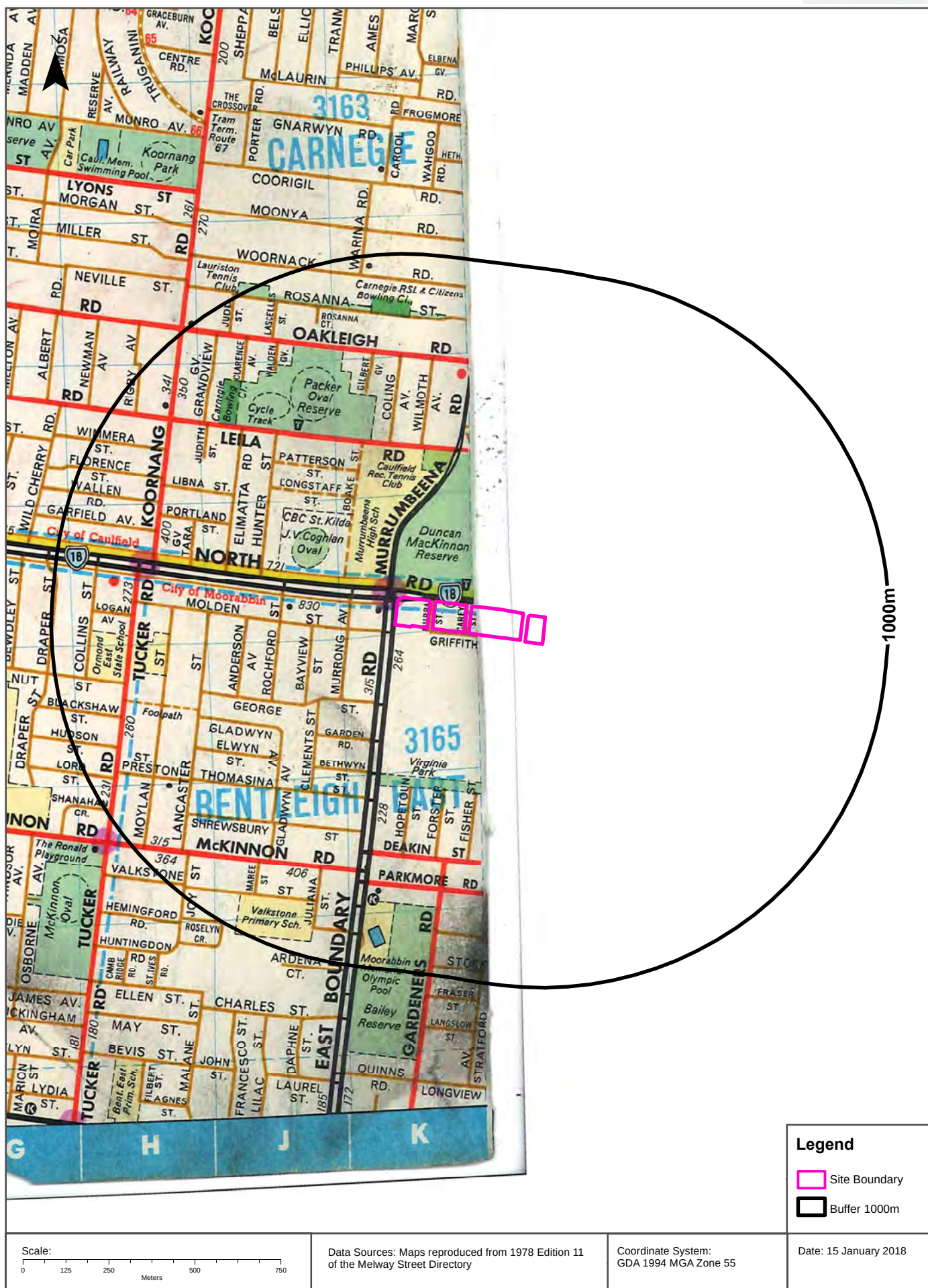
Historical Map 1982

North Road & East Boundary Road, Bentleigh East, VIC 3165



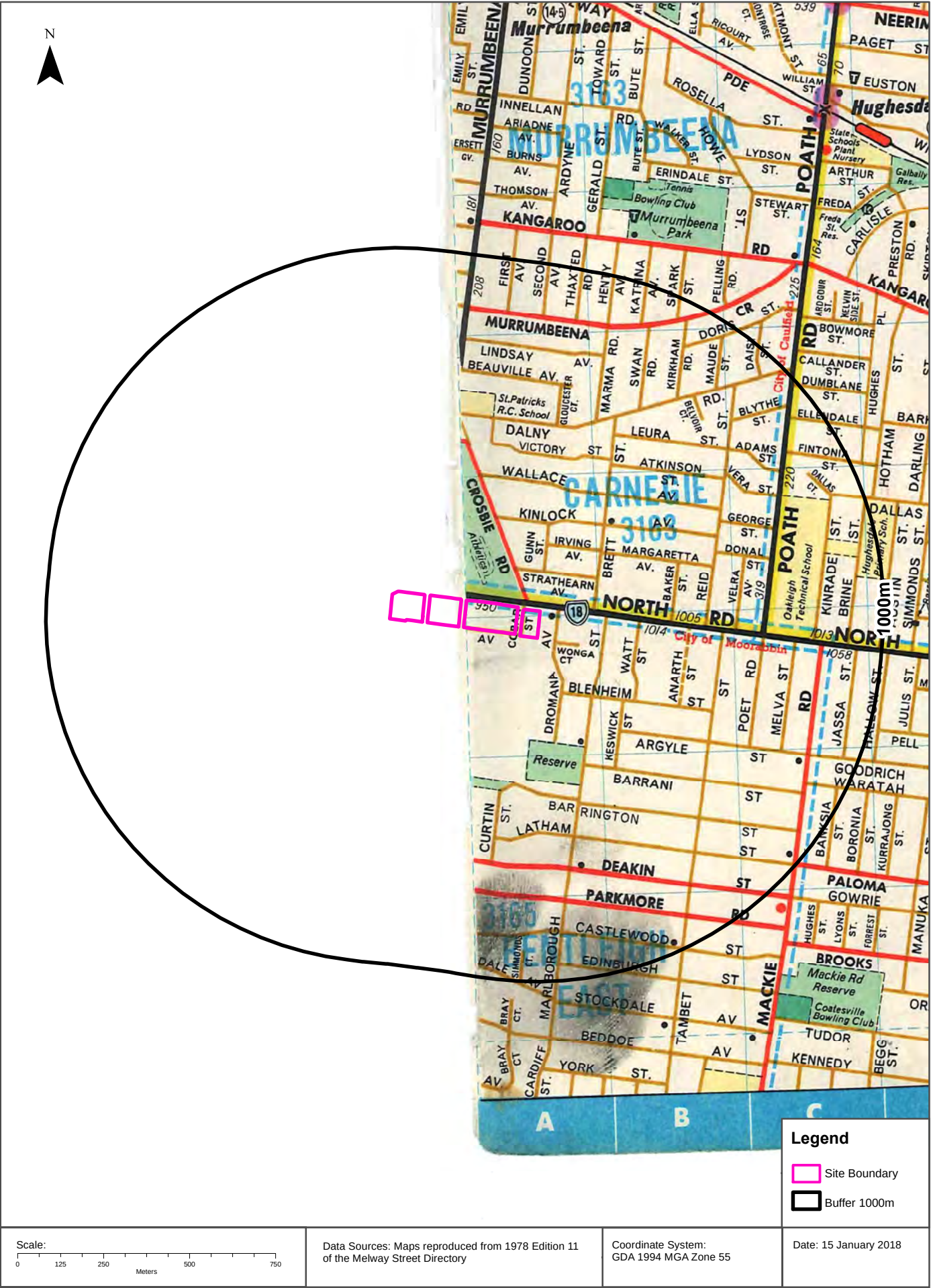
Historical Map 1978

North Road & East Boundary Road, Bentleigh East, VIC 3165



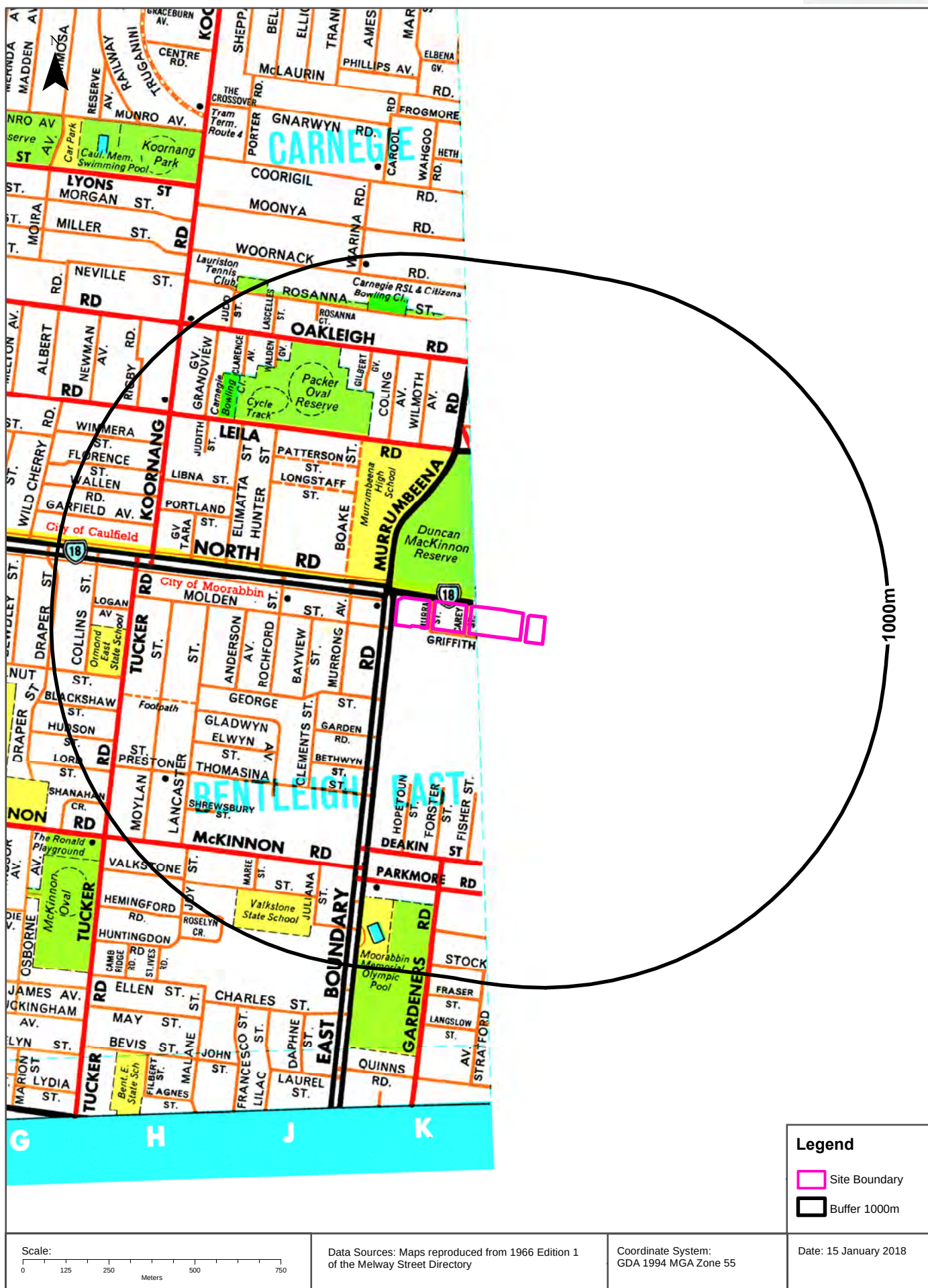
Historical Map 1978

North Road & East Boundary Road, Bentleigh East, VIC 3165



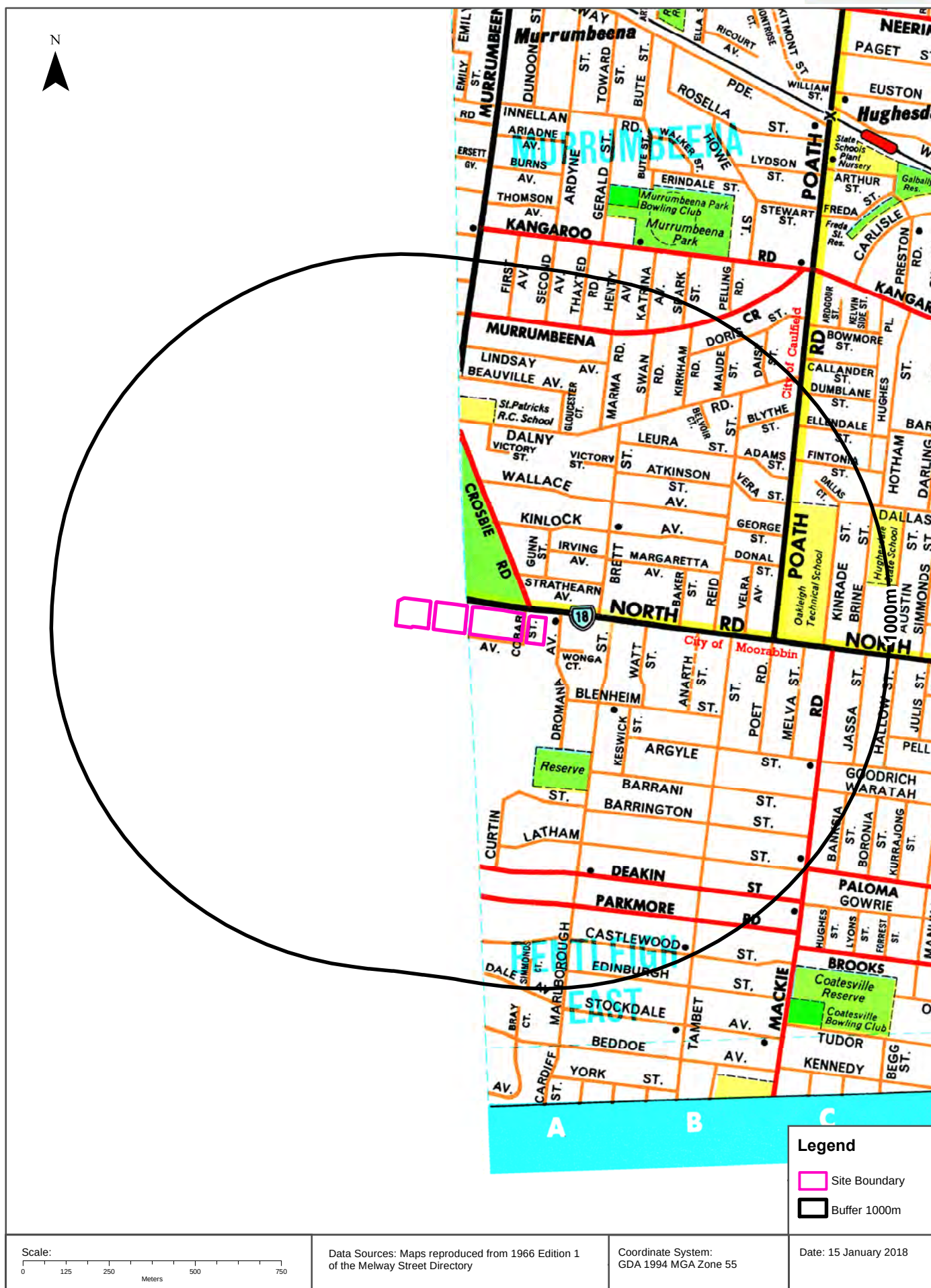
Historical Map 1966

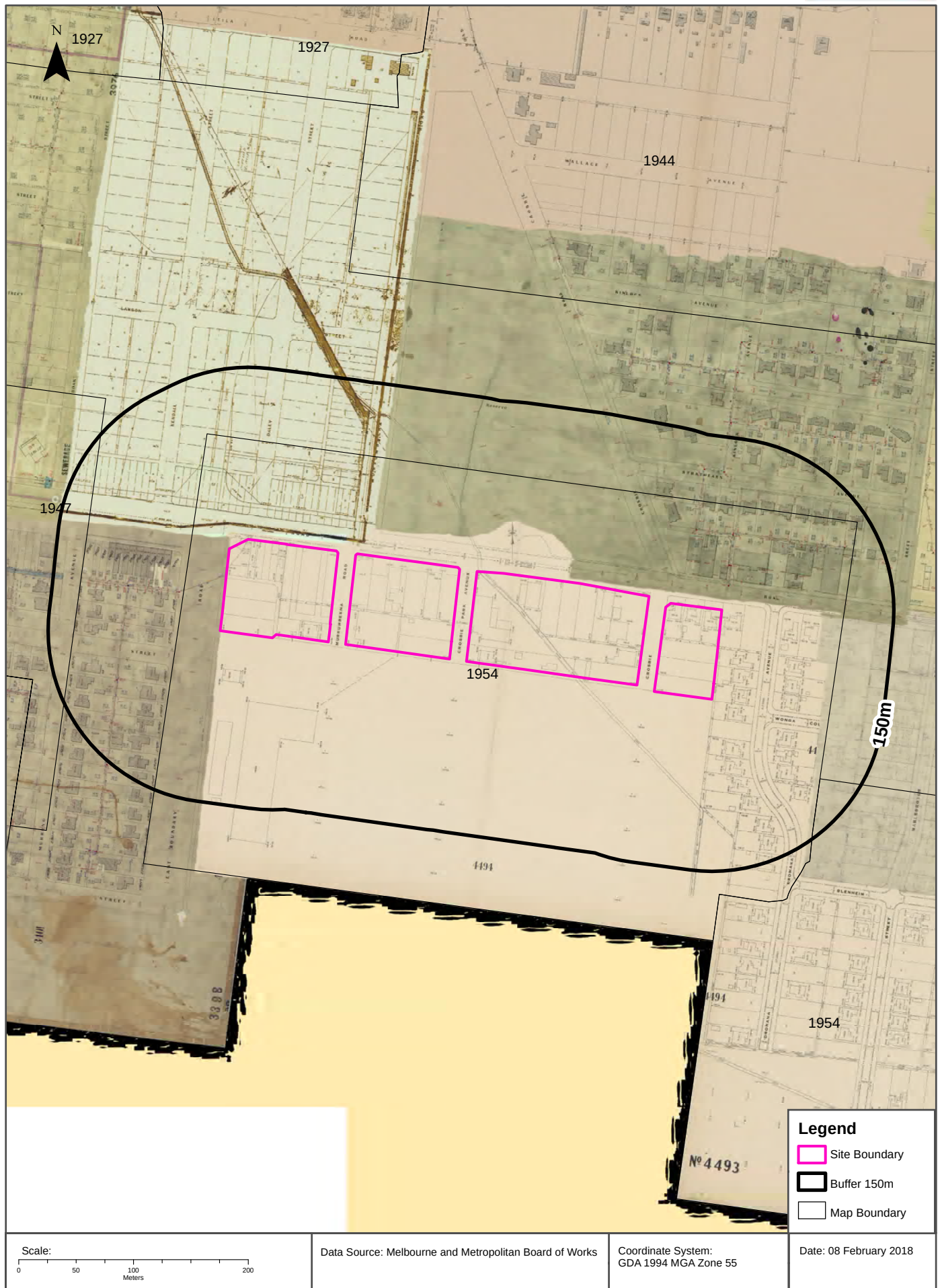
North Road & East Boundary Road, Bentleigh East, VIC 3165



Historical Map 1966

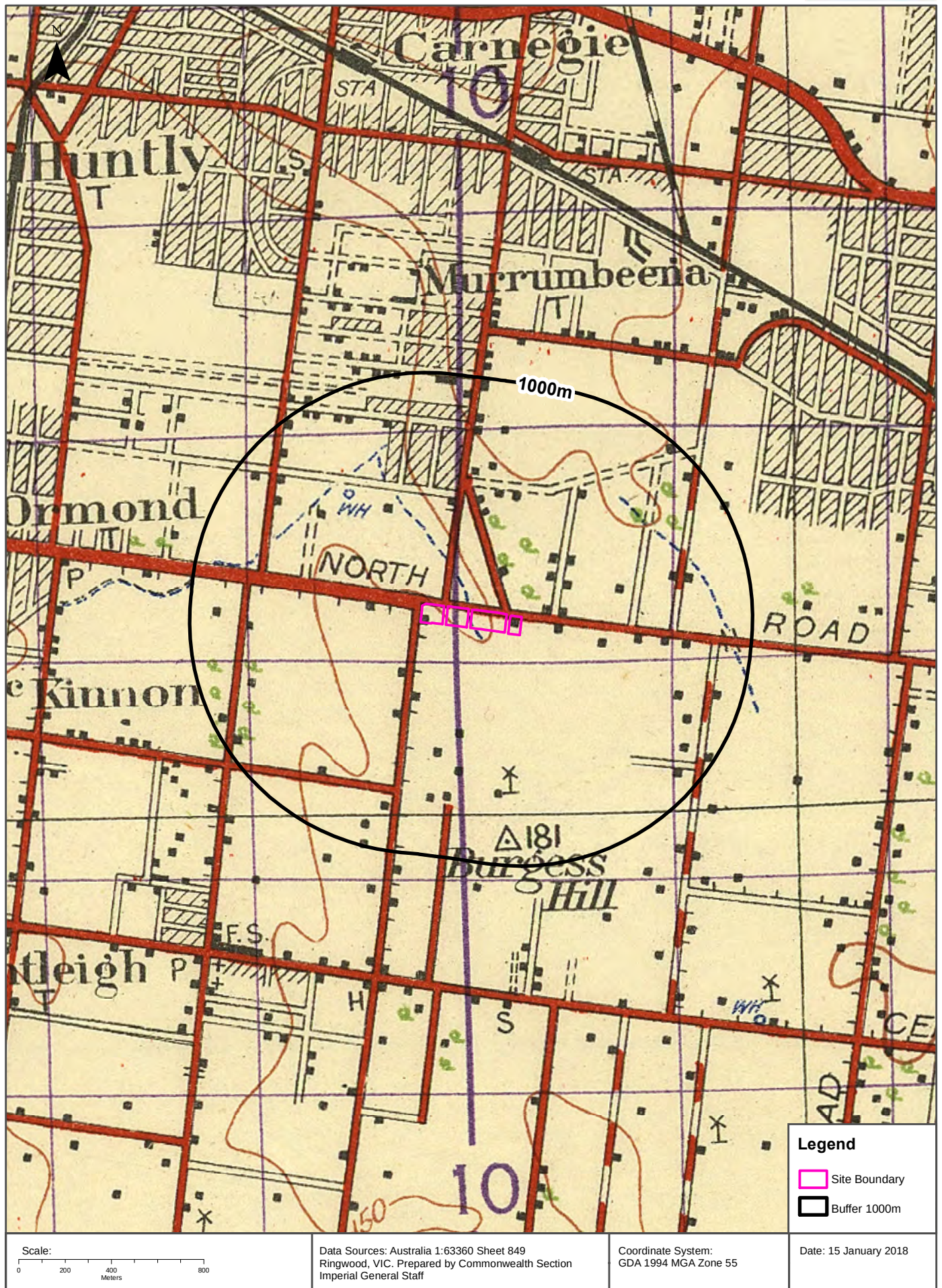
North Road & East Boundary Road, Bentleigh East, VIC 3165



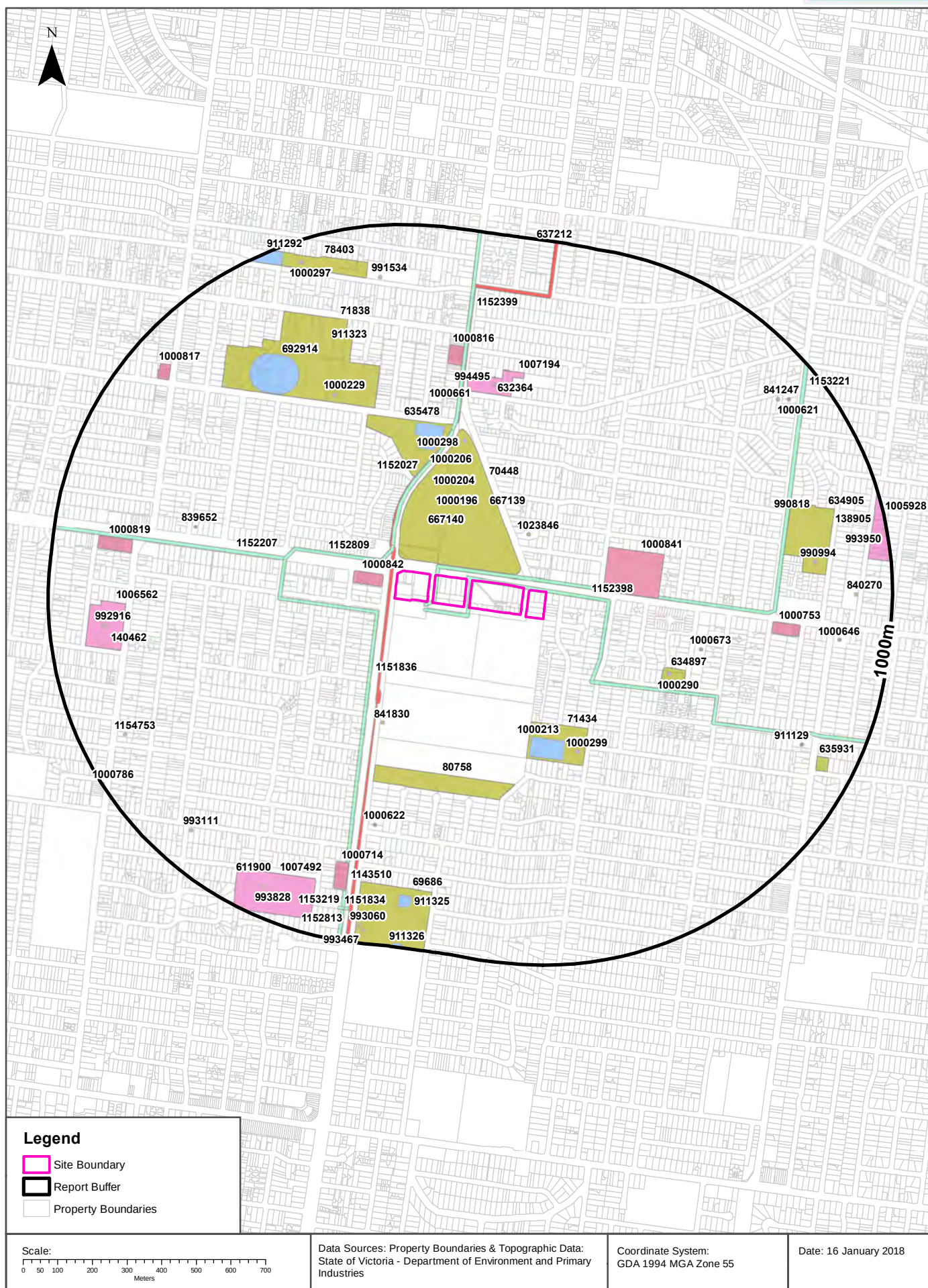


Historical Map 1922

North Road & East Boundary Road, Bentleigh East, VIC 3165



North Road & East Boundary Road, Bentleigh East, VIC 3165



Features of Interest

North Road & East Boundary Road, Bentleigh East, VIC 3165

Features of Interest

Features of Interest within the dataset buffer:

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
1152398	power line	power sub transmission		0m	Onsite
1153221	power line	power sub transmission		0m	Onsite
637212	pipeline	gas pipeline	Murrumbeena - Highett	14m	South
70448	reserve	park	Duncan Mackinnon Reserve	31m	North
1000842	commercial facility	shopping precinct		40m	West
667139	sport facility	athletic field		46m	North
1152809	power line	power sub transmission		54m	West
667140	sport facility	netball court		60m	North West
1151836	power line	power sub transmission		60m	South West
1152027	power line	power sub transmission		70m	North West
1023846	care facility	child care	Leaves Early Learning Centre	148m	North East
1000204	sport facility	sports ground		148m	North West
1000841	commercial facility	shopping precinct		163m	East
1000196	sport facility	sports ground		244m	North
635478	reserve	park	Mallanbool Park	275m	North
71434	reserve	park	Marlborough Street Reserve	298m	South East
1152207	power line	power sub transmission		323m	West
1000213	sport facility	sports ground		342m	South East
1000206	sport facility	tennis court		355m	North
841830	care facility	child care	Virginia Park Child Care Centre	355m	South West
634897	reserve	park	Annie & Arthur Abrahams Reserve	374m	East
1000298	recreational resource	playground		389m	North
1000299	recreational resource	playground		391m	South East
1000290	recreational resource	playground		391m	East
1152399	power line	power sub transmission		420m	North
1000673	place of worship	church	Kingdom Hall Of Jehovahs Witnesses	458m	East
71838	reserve	park	Packer Park	478m	North West
80758	reserve	park	Virginia Park	485m	South
1007194	education centre	education complex		540m	North
1000229	recreational resource	playground		541m	North West
1000661	place of worship	church	St Patricks Catholic Church	559m	North
994495	care facility	child care	Camp Australia - St Patricks Murrumbeena Oshc	563m	North

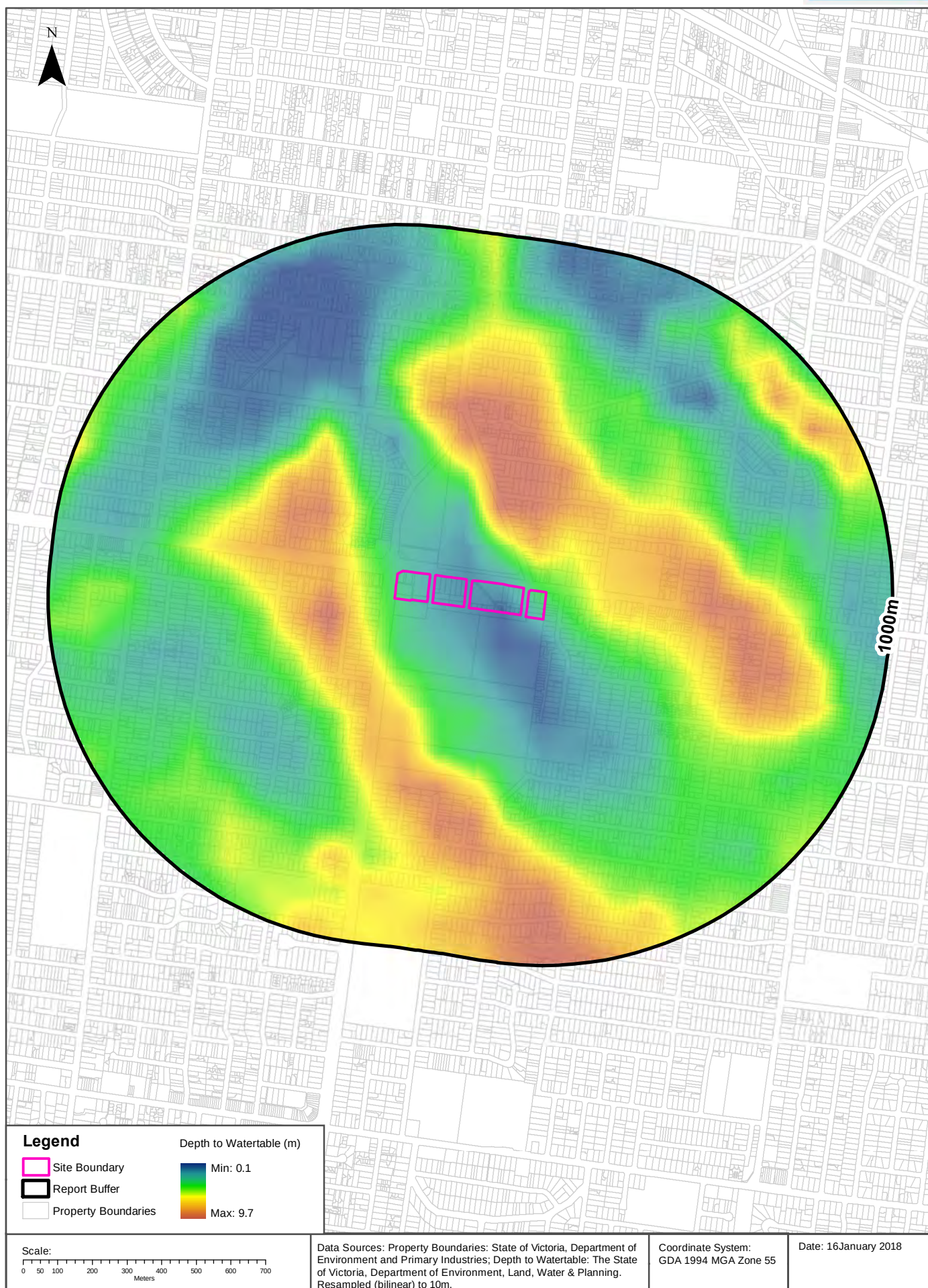
Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
911323	sport facility	sports ground		577m	North West
632364	education centre	primary school	St Patricks School	581m	North
839652	place of worship	synagogue	Carnegie Minyan	594m	West
1000816	commercial facility	shopping precinct		609m	North
692914	sport facility	velodrome		612m	North West
1000622	place of worship	church	Eastleigh Community Church	651m	South
1000753	commercial facility	shopping precinct		657m	East
634905	reserve	park	Argyle Reserve	693m	East
990818	sport facility	sports ground		705m	East
1000819	commercial facility	shopping precinct		771m	West
990994	recreational resource	playground		774m	East
1000714	commercial facility	shopping precinct		776m	South West
1006562	education centre	education complex		777m	West
140462	education centre	primary school	Mckinnon Primary School	794m	West
69686	reserve	park	Bailey Reserve	824m	South
1143510	sport facility	sports complex	Gesac	824m	South
911129	communication service	telephone exchange		825m	South East
992916	care facility	child care	Camp Australia - Mckinnon Primary School Oshc	838m	West
1007492	education centre	education complex		842m	South West
991534	care facility	aged care	Arcare Carnegie	846m	North
911325	sport facility	baseball field		848m	South
1000646	place of worship	church	Coatsville Unitng Church	850m	East
78403	reserve	park		853m	North West
841247	care facility	child care	Murrumbeena Kindergarten	865m	North East
1000817	commercial facility	shopping precinct		867m	North West
1154753	care facility	child care	Kids Time Early Learning Centre - Mckinnon	867m	West
635931	reserve	park	Waratah Street Park	883m	South East
993111	care facility	child care	Goodstart Early Learning Bentleigh East - Mckinnon Road	886m	South West
840270	care facility	child care	Brine Street Child Care Centre	888m	East
1000621	place of worship	church	Holy Nativity Anglican Church	889m	North East
611900	education centre	primary school	Valkstone Primary School	890m	South West
1151834	power line	power sub transmission		902m	South
1152813	power line	power sub transmission		902m	South
1153219	power line	power sub transmission		902m	South
993828	care facility	child care	Valkstone Primary School Outside School Hours Care	911m	South West
1000275	sport facility	swimming pool		915m	South
1005928	education centre	education complex		932m	East
1000297	recreational resource	playground		933m	North West
993060	care facility	child care	Team Holiday - Gesac	944m	South

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
911292	sport facility	tennis court	Lauriston Tennis Club	948m	North West
993467	care facility	child care	Gesac Childcare	957m	South
138905	education centre	primary school	Hughesdale Primary School	961m	East
993950	care facility	child care	Camp Australia - Hughesdale Primary School Oshc	989m	East
911326	sport facility	baseball field		989m	South
1000786	commercial facility	shopping precinct		995m	South West

Features of Interest Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Depth to Watertable

North Road & East Boundary Road, Bentleigh East, VIC 3165



Hydrogeology & Groundwater

North Road & East Boundary Road, Bentleigh East, VIC 3165

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Porous, extensive highly productive aquifers	0m	Onsite
Fractured or fissured, extensive aquifers of low to moderate productivity	671m	

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

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Groundwater Salinity

On-site Groundwater Salinity:

Groundwater Salinity	Percent Of Site Area
Less than 500 mg/l	100

Depth to Watertable

On-site Depth to Watertable:

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

Surface Elevation

Approximate on-site Surface Elevation:

Surface Elevation
43 AHDm to 49 AHDm

Basement Elevation

Approximate on-site Basement Elevation:

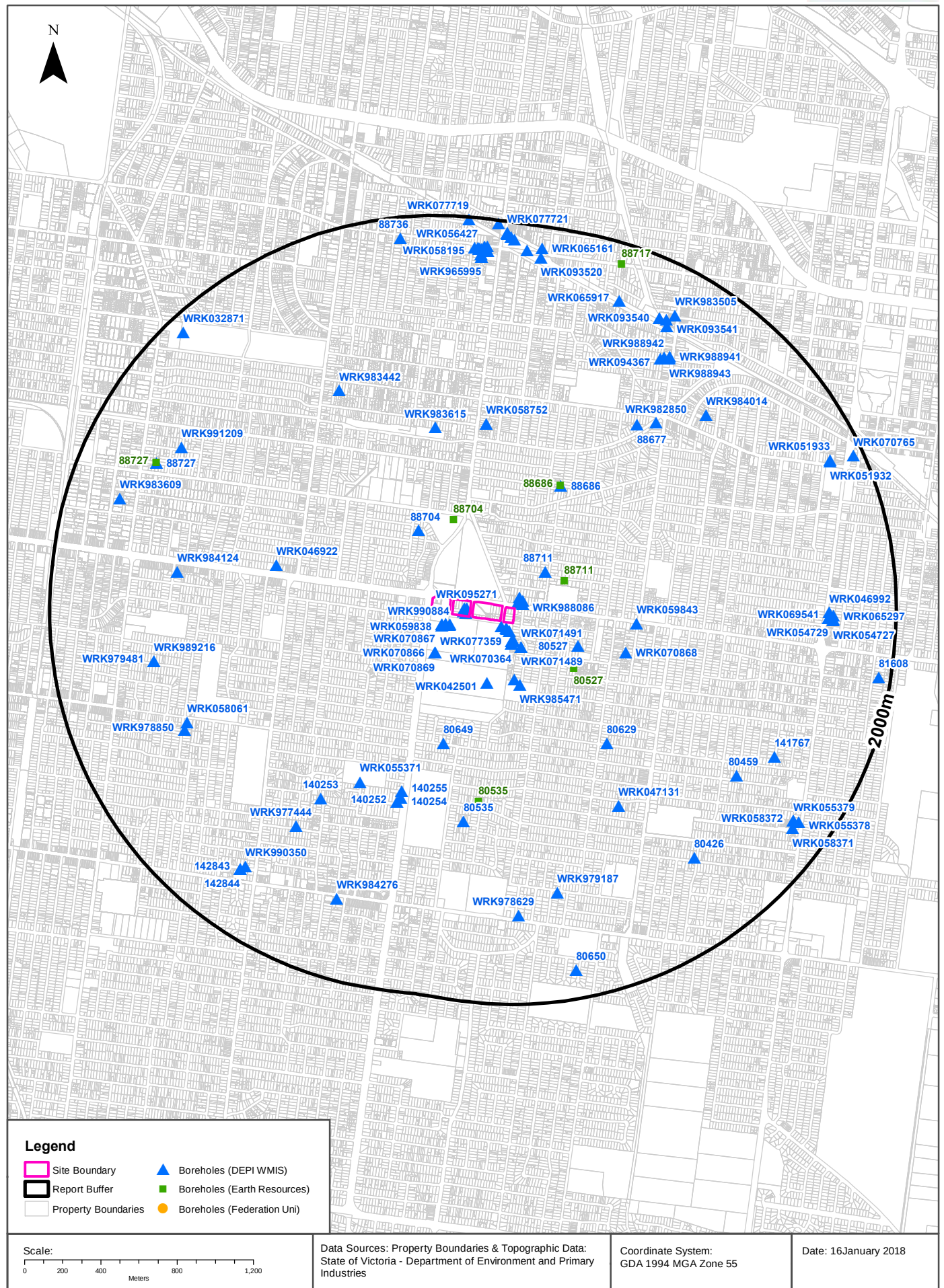
Basement Elevation - Basement Rocks comprise Lower Palaeozoic basement rocks that form the highlands and the crystalline basement; and Mesozoic rocks of the Otway and Gippsland basins both outcropping and subsurface
8 AHDm to 12 AHDm

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

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Groundwater Boreholes

North Road & East Boundary Road, Bentleigh East, VIC 3165



Groundwater Boreholes

North Road & East Boundary Road, Bentleigh East, VIC 3165

Boreholes (DEPI WMIS)

Boreholes from the Department of Environment and Primary Industries' Water Measurement Information System, within the dataset buffer:

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK095269	Investigation	0.00m-0.50m FILL 0.50m-4.00m CLAYEY SAND	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.25m OUTER LINING - GRAVEL = Cement 0.25m-0.75m OUTER LINING - GRAVEL = Bentonite 0.75m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Sand	2016-07-27	0	Onsite
WRK095271	Investigation	0.00m-0.50m FILL 0.50m-4.00m CLAYEY SAND	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.25m OUTER LINING - GRAVEL = Cement 0.25m-0.75m OUTER LINING - GRAVEL = Bentonite 0.75m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Sand	2016-07-27	0	Onsite
WRK095272	Investigation	0.00m-0.50m FILL 0.50m-4.00m CLAYEY SAND	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.25m OUTER LINING - GRAVEL = Cement 0.25m-0.75m OUTER LINING - GRAVEL = Bentonite 0.75m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Sand	2016-07-27	0	Onsite
WRK095270	Investigation	0.00m-0.50m FILL 0.50m-4.00m CLAYEY SAND	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.25m OUTER LINING - GRAVEL = Cement 0.25m-0.75m OUTER LINING - GRAVEL = Bentonite 0.75m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Sand	2016-07-27	0	Onsite
WRK073939	Observation	0.00m-0.70m FILL, asphalt, sandy clay 0.70m-1.00m CLAYey silt 1.00m-2.90m SILTy clay 2.90m-4.00m SILTy sand grey	0.00m-1.00m INNER LINING - CASING = Pvc 0.00m-0.15m OUTER LINING - GRAVEL = Cement 0.15m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Sand	2013-04-04	24	South East
WRK075177	Observation	0.00m-1.00m SILT 1.00m-3.20m CLAY 3.20m-4.00m SAND	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-1.30m OUTER LINING - GRAVEL = Bentonite 1.30m-4.00m OUTER LINING - GRAVEL = Gravel			2014-10-16	28	South East
WRK075178	Observation	0.00m-1.00m SILT 1.00m-3.20m CLAY 3.20m-4.00m SAND	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-1.30m OUTER LINING - GRAVEL = Bentonite 1.30m-4.00m OUTER LINING - GRAVEL = Gravel		1.50m-4.00m Sand	2014-10-16	31	South East
WRK988087							32	East
WRK070146	Observation					2012-01-01	41	South East
WRK988086							47	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK990885	Environment	0.00m-2.00m brown clay 2.00m-4.50m sandy clay	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-1.50m OUTER LINING - GRAVEL = Bentonite 2.00m-4.50m OUTER LINING - GRAVEL = Gravel		0.00m-2.50m Clay 2.50m-4.50m Clay	2010-01-20	53	South West
WRK059842	Observation					2011-02-02	54	South West
WRK990884	Groundwater Investigation					2009-04-20	56	South West
WRK985067							57	East
WRK059841	Observation					2011-02-02	57	South West
WRK059840	Observation					2011-02-02	59	South West
WRK059846	Observation					2011-02-02	59	South West
WRK059845	Observation					2011-02-02	59	South West
WRK059837	Observation	0.00m-0.40m FILL 0.40m-4.00m CLAY 4.00m-8.00m SAND	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-8.00m OUTER LINING - GRAVEL = Gravel		0.00m-2.00m Clay 2.00m-8.00m Sand	2011-02-02	59	South West
WRK059844	Observation					2011-02-02	59	South West
WRK059839	Observation					2011-01-20	61	South West
WRK988088							62	East
WRK059838	Observation					2011-02-02	66	South West
WRK077360	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	89	South East
WRK077362	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	91	South East
WRK077359	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	91	South East
WRK077363	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	91	South East
WRK077358	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	91	South East
WRK077361	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	92	South East
WRK077355	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	93	South East
WRK077364	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	93	South East
WRK077356	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	94	South East
WRK077357	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-01-01	94	South East
WRK077354	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2011-01-01	94	South East
WRK070364	Observation	0.00m-4.50m SAND	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2012-07-20	108	South East
WRK070262	Observation					2012-07-20	108	South East
WRK070263	Observation					2012-07-20	108	South East
WRK071491	Observation					2012-10-18	131	South East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK071489	Observation	0.00m-5.50m CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-5.50m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Cement 2.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-5.50m OUTER LINING - GRAVEL = Gravel		4.00m-5.50m Clay	2012-10-18	132	South East
WRK070867	Observation	0.00m-1.50m CLAY 1.50m-9.50m SAND	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-9.50m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-9.50m OUTER LINING - GRAVEL = Gravel		2.00m-9.50m Sand	2012-09-06	207	South West
WRK070869	Observation					2012-09-06	208	South West
WRK070866	Observation	0.00m-1.00m CLAY 1.00m-5.00m SAND	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel			2012-09-06	208	South West
88711	Domestic	0.00m-3.00m BLACK CRAP 3.00m-9.00m DARK RED CLAY 9.00m-12.00m YELLOW CLAY FINE YELLOW SAND 12.00m-18.00m YELLOW FINE TO MEDIUM COARSE SAND 18.00m-23.00m WHITE YELLOW FINE TO MEDIUM COARSE SAND	0.00m-22.00m INNER LINING - CASING = Pvc 22.00m-23.00m INNER LINING - SCREEN = Pvc		22.00m-23.00m Sand	1983-09-02	250	North East
WRK101540	Irrigation	0.00m-0.30m TOP SOIL 0.30m-33.00m SILT SAND 33.00m-35.00m CLAY 35.00m-55.00m MUDSTONE	0.00m-37.50m INNER LINING - CASING = Pvc 4.00m-37.50m OUTER LINING - GRAVEL = Cement			2008-12-09	294	South East
WRK985471							323	South East
WRK042501	Domestic & Stock	0.00m-1.00m TOP SOIL 1.00m-2.00m CLAY 2.00m-35.00m SAND (FINE)	0.00m-6.00m OUTER LINING - GRAVEL = Cement			2008-04-03	330	South
88704	Irrigation	0.00m-18.29m SAND FINE 18.29m-24.38m GREY FINE SAND 24.38m-30.48m GREEN GREY SAND 30.48m-32.00m FINE SANDY SILTS	0.00m-6.10m INNER LINING - CASING = Pvc Class 9 0.00m-30.48m INNER LINING - CASING = Pvc Class 9 30.48m-32.00m INNER LINING - SCREEN = Pvc Class 9		30.48m-32.00m Silt	1983-02-28	360	North West
80527	Domestic	0.00m-18.00m NO DETAILS AVAILABLE	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-18.00m INNER LINING - SCREEN = Pvc 0.00m-0.00m OUTER LINING - GRAVEL = Gravel		10.00m-18.00m Sand	1983-08-21	360	East
WRK070868	Observation					2012-09-04	609	East
WRK059843	Observation					2011-02-02	643	East
80649	Domestic					1988-01-01	676	South
88686	Domestic	0.00m-3.00m STIFF BROWN SANDY CLAY 3.00m-6.00m LIGHT GREEN SANDY CLAY 6.00m-18.00m LIGHT GREEN SILTY FINE TO MEDIUM SAND 18.00m-18.20m HARD BAND 18.20m-20.80m DARK GREY SANDY CLAYEY SILT	0.00m-6.00m INNER LINING - CASING = Pvc 7.00m-17.00m INNER LINING - SCREEN = Pvc		7.00m-17.00m Sand	1982-01-12	686	North East
80629	Domestic	0.00m-19.50m NO DETAILS AVAILABLE	0.00m-18.00m INNER LINING - CASING = Pvc 18.00m-19.50m INNER LINING - SCREEN = Pvc		18.00m-19.50m Sand	1983-12-31	796	South East
WRK046922							836	West
WRK983615							887	North

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK058752	Domestic & Stock	0.00m-0.80m top soil 0.80m-2.50m brown clay 2.50m-11.00m white sandy clay 11.00m-14.00m medium sand 14.00m-21.00m coarse sand 21.00m-24.00m blue clay 24.00m-25.00m fine sand 25.00m-30.00m blue clay	0.50m-14.00m INNER LINING - CASING = Pvc 14.00m-20.00m INNER LINING - SCREEN = Pvc 20.00m-30.00m INNER LINING - CASING = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 10.00m-30.00m OUTER LINING - GRAVEL = Gravel		0.50m-14.00m Clay 14.00m-20.00m Sand 20.00m-30.00m Clay	2010-09-24	933	North
140255	Groundwater Investigation	0.00m-9.00m BRIGHTON GROUP SANDS	0.00m-6.00m INNER LINING - CASING = Pvc 6.00m-9.00m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-5.50m OUTER LINING - GRAVEL = Bentonite 5.50m-9.00m OUTER LINING - GRAVEL = Gravel			1998-09-15	951	South
WRK055371	Observation	0.00m-4.00m hard clay 4.00m-13.00m sandy white clay 13.00m-28.00m coarse white sand 28.00m-31.00m black silt 31.00m-32.00m calcrete 32.00m-35.00m silt	0.00m-21.00m INNER LINING - CASING = Pvc 21.00m-27.00m INNER LINING - SCREEN = Pvc 27.00m-31.50m INNER LINING - CASING = Pvc 0.00m-31.50m OUTER LINING - GRAVEL = Cement		0.00m-21.00m Sand 21.00m-27.00m Sand 27.00m-31.50m Silt	2010-03-08	966	South West
140254	Groundwater Investigation	0.00m-8.00m BRIGHTON GOURP SAND	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-8.00m OUTER LINING - GRAVEL = Gravel			1998-09-16	986	South
140252	Groundwater Investigation	0.00m-7.00m BRIGHTON GROUP SAND	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-7.00m OUTER LINING - GRAVEL = Gravel			1998-09-16	1013	South
80535	Domestic	0.00m-0.61m TOP SOIL 0.61m-0.91m HARD PAN 0.91m-2.13m CLAY 2.13m-3.61m SANDSTONE LAYERS AND CLAY 3.61m-14.93m COARSE FINE SAND WITH COARSE PARTICLES 14.93m-17.37m COARSER WITH STILL A LOT OF FINES	0.00m-16.37m INNER LINING - CASING = Pvc 16.37m-17.37m INNER LINING - SCREEN = Pvc		16.37m-17.37m Sand	1983-10-07	1065	South
WRK047131		0.00m-2.00m CLAY 2.00m-60.00m MUDSTONE 60.00m-80.00m BLUESTONE	0.00m-48.00m INNER LINING - CASING = Pvc 48.00m-54.00m INNER LINING - SLOT = Pvc 0.00m-35.00m OUTER LINING - GRAVEL = Packer			2008-10-22	1105	South East
140253	Groundwater Investigation	0.00m-8.00m BRIGHTON GROUP SAND	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-8.00m OUTER LINING - GRAVEL = Gravel			1998-09-16	1136	South West
88677	Domestic, Stock	0.00m-0.61m SOIL 0.61m-6.10m CLAY 6.10m-7.62m SAND	0.00m-6.09m INNER LINING - CASING = Not Known 6.09m-7.62m INNER LINING - SCREEN = Not Known			1973-02-03	1156	North East
WRK983442							1194	North West
WRK982850							1222	North East
WRK977444							1327	South West
WRK984124							1345	West
WRK058061	Observation					2010-07-01	1404	West
80459	Domestic, Stock	0.00m-0.61m SANDY LOAM 0.61m-1.22m YELLOW GREY CLAY 1.22m-3.66m SILTY SAND 3.66m-9.14m WHITE SAND (FINE)	0.00m-9.14m INNER LINING - CASING = Not Known 3.65m-9.14m INNER LINING - SCREEN = Not Known			1973-01-03	1416	South East
WRK984014							1425	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK979187							1432	South
WRK978850	Commercial	0.00m-11.50m BROWN & WHITE CLAY 11.50m-14.50m MEDIUM TO COARSE SANDS 14.50m-16.00m FIRM BROWN CLAY				2008-09-02	1433	South West
WRK979481							1475	West
WRK989216	Domestic	1.00m-6.00m brown clay 6.00m-9.00m clay sand 9.00m-20.00m sand fin/med 20.00m-22.00m fortified wood 22.00m-24.00m black shells sand 24.00m-26.00m clayey sand	0.00m-20.00m INNER LINING - CASING = Pvc 20.00m-26.00m INNER LINING - SLOT = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 18.00m-19.00m OUTER LINING - GRAVEL = Bentonite 19.00m-26.00m OUTER LINING - GRAVEL = Gravel			2009-02-22	1475	West
WRK094367	Observation	0.00m-4.00m FILL	0.00m-0.50m INNER LINING - CASING = Pvc 0.50m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-4.50m OUTER LINING - GRAVEL = Gravel		0.50m-4.50m Fill	2016-06-28	1515	North East
WRK978629							1532	South
WRK988942							1532	North East
WRK991209							1536	North West
141767	Domestic	0.00m-0.30m SURFACE SOIL 0.30m-2.40m CLAY 2.40m-18.00m SANDY CLAY 18.00m-23.00m SAND				1998-05-25	1537	South East
WRK988943							1539	North East
WRK988941							1550	North East
80426	Domestic, Stock	0.00m-0.30m CLAY WITH SOLID FINE LUMPS 0.30m-8.53m SANDY CLAY WITH SOLID FINE LUMPS	0.00m-8.53m INNER LINING - CASING = Pvc			1973-03-07	1553	South East
WRK984276							1584	South West
88727	Domestic	0.00m-1.67m SAND 1.67m-3.04m CLAY VARYING FROM RED TO WHITE 3.04m-5.50m SAND VARYING SHOWS OF CLAY 5.50m-5.65m SANDSTONE 5.65m-10.90m FINE WHITE SAND 10.90m-11.00m HARD RED SANDSTONE 11.00m-13.00m SAND AND GRAVEL 13.00m-13.70m SAND (GRAVEL DISAPPEARED) 13.70m-14.00m FINE WHITE SAND, LITTLE GRAVEL 14.00m-23.00m DITTO BUT GRAVEL COARSER - PLENTY	0.00m-18.00m INNER LINING - CASING = Pvc 18.00m-23.00m INNER LINING - SCREEN = Pvc 0.00m-18.00m OUTER LINING - GRAVEL = Cement		18.00m-23.00m Sand	1985-07-28	1612	North West
WRK054729	Observation	0.00m-0.70m fill 0.70m-1.30m sitly clay 1.30m-2.20m slightly clay 2.20m-6.00m slightly clayey sand	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 1.30m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Sand	2010-03-18	1644	East
WRK069541	Observation					2007-01-01	1648	East
WRK046992							1648	East
WRK990350	Domestic & Stock	0.00m-0.50m fill 0.50m-4.00m sandy clay 4.00m-13.00m silty sand orange moist 13.00m-26.00m sand 26.00m-28.00m silty sand	0.00m-21.00m INNER LINING - CASING = Pvc 21.00m-27.00m INNER LINING - SCREEN = Pvc 27.00m-28.00m INNER LINING - CASING = Pvc 0.00m-14.00m OUTER LINING - GRAVEL = Cement 14.00m-15.00m OUTER LINING - GRAVEL = Bentonite 15.00m-28.00m OUTER LINING - GRAVEL = Gravel		21.00m-27.00m Sand	2009-05-15	1651	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK054728	Observation	0.00m-0.70m fill 1.30m-2.20m silty clay 2.20m-6.00m silty clayey sand	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 1.30m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Sand	2010-03-18	1659	East
WRK054727	Observation	0.00m-0.70m fill 0.70m-1.30m silty sand 1.30m-2.20m silty clay 2.20m-6.00m silty clayey sand	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 1.30m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Sand	2010-03-18	1668	East
WRK065298	Observation					2011-08-03	1669	East
WRK065297	Observation	0.00m-0.60m FILL 0.60m-1.10m SAND 1.10m-2.90m CLAY 2.90m-6.00m SILT	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Silt	2011-08-03	1670	East
142843	Groundwater Investigation	0.00m-0.70m CLAYEY SAND, DARK GREY, BUILDING RUBBLE 0.70m-1.70m SILTY CLAY, BROWN, YELLOW, RED, SOME FINE SAND 1.70m-3.00m SANDY RED BROWN 3.00m-4.80m CLAYEY SAND, GREY, BROWN, DARK GREY 4.80m-8.50m SAND, BROWN, LIGHT GREY	0.00m-5.50m INNER LINING - CASING = Pvc Class 18 5.50m-8.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-3.20m OUTER LINING - GRAVEL = Cement 3.20m-4.20m OUTER LINING - GRAVEL = Bentonite 4.20m-8.50m OUTER LINING - GRAVEL = Gravel			1999-06-24	1678	South West
142845	Groundwater Investigation	0.00m-0.70m CLAYEY SAND DARK GREY BUILDING RUBBLE 0.70m-1.70m SILTY CLAY BROWN YELLOW RED SOME FINE SAND 1.70m-3.00m SAND RED BROWN 3.00m-4.80m CLAYEY SAND, BROWN DARK GREY 4.80m-8.50m SAND, BROWN, LIGHT GREY	0.00m-5.50m INNER LINING - CASING = Pvc Class 18 5.50m-8.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-3.20m OUTER LINING - GRAVEL = Cement 3.20m-4.20m OUTER LINING - GRAVEL = Bentonite 4.20m-8.50m OUTER LINING - GRAVEL = Gravel			1999-06-24	1678	South West
142844	Groundwater Investigation	0.00m-0.70m CLAYEY SAND, DK GREY, BUILDING RUBBLE 0.70m-1.70m SILTY CLAY, BROWN, YELLOW, RED, SOME FINE SAND 1.70m-3.00m SAND RED BROWN 3.00m-4.80m CLAYEY SAND, GREY BROWN DK GREY 4.80m-8.50m SAND, BROWN, LIGHT GREY	0.00m-5.50m INNER LINING - CASING = Pvc Class 18 5.50m-8.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-3.20m OUTER LINING - GRAVEL = Cement 3.20m-4.20m OUTER LINING - GRAVEL = Bentonite 4.20m-8.50m OUTER LINING - GRAVEL = Gravel			1999-06-24	1678	South West
WRK093541	Observation	0.00m-0.30m FILL/SANDY GRAVEL 0.30m-0.80m SAND 0.80m-3.10m SAND/CLAYISH 3.10m-10.00m SAND 10.00m-11.50m SILT/SAND 11.50m-17.30m SILT/CLAY 17.30m-23.70m SILTSTONE 23.70m-24.30m SANDSTONE 24.30m-30.10m SILTSTONE	0.00m-0.00m OUTER LINING - GRAVEL = Not Known				1681	North East
WRK093540	Observation	0.00m-0.20m SANDY GRAVEL FILL 0.20m-1.20m NATURAL SAND 1.20m-2.60m SANDY CLAY 2.60m-8.40m SAND 8.40m-13.00m SILTY SAND 13.00m-13.70m SILTY CLAY 13.70m-23.00m SILTSTONE	0.00m-8.00m INNER LINING - CASING = Pvc Class 18 8.00m-14.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-14.00m OUTER LINING - GRAVEL = Bentonite 14.00m-23.00m OUTER LINING - GRAVEL = Seal		8.00m-14.00m Sand	2016-06-01	1702	North East
WRK093539	Observation	0.00m-0.30m GRAVELLY COBBLE FILL 0.30m-10.80m NATURAL SAND 10.80m-14.20m SILTY SAND 14.20m-16.50m SILTY CLAY 16.50m-24.30m SILTSTONE	0.00m-16.60m INNER LINING - CASING = Pvc Class 18 16.60m-21.60m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.60m OUTER LINING - GRAVEL = Cement 0.60m-16.60m OUTER LINING - GRAVEL = Bentonite		16.60m-21.60m Siltstone	2016-06-10	1702	North East
WRK065917	Observation					2011-09-02	1704	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK058920	Observation	0.00m-0.50m top soil 0.50m-1.00m fill 1.00m-4.00m gravel/clay 4.00m-7.00m sandy clay	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-8.00m INNER LINING - SCREEN = Pvc 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-8.00m OUTER LINING - GRAVEL = Gravel		3.50m-8.00m Sand	2010-09-27	1709	North East
WRK983609							1721	West
WRK983505							1750	North East
WRK058372	Observation					2010-08-20	1796	South East
WRK055379	Observation					2010-08-20	1797	South East
WRK965995						2004-05-27	1797	North
WRK965989	Groundwater Investigation	0.00m-1.60m SILT, BWN, DRY, FIRM 1.60m-6.00m SILTYSAND,MEDSAND,BWN, WET 5M	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2004-05-27	1797	North
WRK965988	Groundwater Investigation	0.00m-1.60m SILT, BWN, DRY, FIRM 1.60m-6.00m SILTYSAND,MEDSAND,BWN, WET 5M	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2004-05-27	1810	North
WRK965994						2004-05-27	1810	North
WRK058371	Observation					2010-08-20	1816	South East
WRK051932	Observation	0.00m-2.00m clay 2.00m-5.00m clayey sands 5.00m-6.00m sands	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Sand	2009-10-22	1822	North East
WRK055378	Observation	0.00m-1.20m fill 1.20m-6.00m clayey sands	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-2.00m Sand 2.00m-6.00m Sand	2010-03-09	1824	South East
WRK051933	Observation	0.00m-6.00m clay	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Clay	2009-10-22	1827	North East
WRK090845	Investigation	0.00m-1.00m FILL 1.00m-2.50m CLAY 2.50m-4.00m SANDY CLAY 4.00m-6.00m CLAYEY SAND	0.00m-2.00m INNER LINING - CASING = UPVC class 9 0.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2015-12-15	1832	North
WRK093520	Observation	0.00m-0.05m FILL/ASPHALT 0.05m-0.40m GRAVEL/SANDY 0.40m-5.40m SAND/NATURAL 5.40m-13.60m SAND/SILTY 13.60m-14.20m CLAY/SILTY 14.20m-23.00m SILTSTONE	0.00m-0.00m OUTER LINING - GRAVEL = Not Known				1835	North
WRK058197	Observation					2010-08-18	1836	North
WRK058198	Observation					2010-08-18	1838	North
WRK058196	Observation					2010-08-20	1842	North

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK058195	Observation	0.00m-0.50m sand 0.50m-1.50m silty clay 1.50m-6.00m clayey sand	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-2.00m Clay 2.00m-6.00m Sand	2010-08-18	1844	North
WRK056427	Observation	0.00m-0.50m sand 0.50m-1.80m sandy clay 1.80m-6.00m clayey sand	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel		0.00m-3.00m Clay 3.00m-6.00m Sand	2010-04-22	1845	North
80650	Domestic					1988-01-01	1848	South
WRK090846	Investigation	0.00m-1.00m FILL 1.00m-2.50m CLAY 2.50m-4.00m SANDY CLAY 4.00m-6.00m CLAYEY SAND	0.00m-2.00m INNER LINING - CASING = UPVC class 9 2.00m-6.00m INNER LINING - SCREEN = UPVC class 9 0.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2015-12-15	1855	North
WRK090844	Investigation	0.00m-1.00m FILL 1.00m-2.50m CLAY 2.50m-4.00m SANDY CLAY 4.00m-6.00m CLAYEY SAND	0.00m-2.00m INNER LINING - CASING = UPVC class 9 2.00m-6.00m INNER LINING - SCREEN = UPVC class 9 0.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2015-12-15	1856	North
WRK093517	Observation	0.00m-0.04m FILL/ASPHALT 0.04m-0.30m GRAVEL/SANDY 0.30m-0.90m CLAY/GRAVELLY 0.90m-4.40m CLAY/SANDY/NATURAL 4.40m-12.30m SAND 12.30m-18.90m SAND/SILTY 18.90m-24.10m SILTSTONE	0.00m-0.00m OUTER LINING - GRAVEL = Not Known				1864	North
WRK065161	Observation	0.00m-0.50m FILL 0.50m-1.60m SAND 1.60m-4.30m CLAY 4.30m-8.00m SAND	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-8.00m OUTER LINING - GRAVEL = Gravel		0.00m-4.00m Clay 4.00m-8.00m Sand	2011-07-25	1884	North
88736	Domestic	0.00m-8.00m NO DETAILS AVAILABLE	0.00m-7.50m INNER LINING - CASING = Pvc 7.50m-8.00m INNER LINING - SCREEN = Pvc		7.50m-8.00m Sand	1983-06-01	1890	North
WRK032871	Irrigation	0.00m-2.00m GREY SAND & FILL 2.00m-10.00m BROWN SANDY CLAY 10.00m-12.00m BLACK SANDY CLAY 12.00m-18.00m FINE BROWN SAND 18.00m-24.00m COARSE BROWN SAND 24.00m-60.00m STIFF GREY CLAY 60.00m-110.00m BLACK SHALE ROCK	-0.50m-60.00m INNER LINING - CASING = Pvc			2004-06-28	1911	North West
WRK093510	Observation	0.00m-0.30m FILL/SILTY SAND 0.30m-1.30m NATURAL/CLAYEY SAND 1.30m-9.90m SAND 9.90m-11.70m CLAY/SANDY 11.70m-21.50m SILTSTONE	0.00m-0.00m OUTER LINING - GRAVEL = Not Known				1913	North
WRK093509	Observation	0.00m-0.40m FILL/GRAVELLY SAND 0.40m-1.00m SAND/NATURAL CLAYEY 1.00m-9.90m SAND 9.90m-14.30m SAND/SILTISH 14.30m-15.40m CLAY 15.40m-27.30m SILTSTONE	0.00m-0.00m OUTER LINING - GRAVEL = Not Known				1921	North
WRK093508	Observation	0.00m-0.05m FILL/ASPHALT 0.05m-0.50m FILL/SANDY GRAVEL 0.50m-1.10m NATURAL/SAND 1.10m-2.60m SAND/CLAYEY 2.60m-12.90m SAND 12.90m-13.20m CLAY 13.20m-23.00m SILTSTONE	0.00m-0.00m OUTER LINING - GRAVEL = Not Known				1932	North
81608	Irrigation					1968-02-28	1938	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK077721	Observation	0.00m-0.30m FILL 0.30m-12.80m SAND 12.80m-15.40m SILTSTONE	0.00m-2.00m INNER LINING - CASING = Pvc 11.00m-15.40m INNER LINING - CASING = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-15.40m OUTER LINING - GRAVEL = Seal		2.00m-11.00m Sand	2014-01-14	1942	North
WRK077720	Observation	0.00m-0.50m FILL 0.50m-14.90m SAND	0.10m-6.00m INNER LINING - CASING = Pvc 6.00m-14.58m INNER LINING - SCREEN = Pvc 0.00m-0.10m OUTER LINING - GRAVEL = Cement 0.10m-5.00m OUTER LINING - GRAVEL = Bentonite 5.00m-14.90m OUTER LINING - GRAVEL = Seal		6.00m-14.58m Sand	2014-01-19	1942	North
WRK070765	Observation	0.00m-1.80m FILL 1.80m-7.20m CLAY	0.00m-4.20m INNER LINING - CASING = Pvc 4.20m-7.20m INNER LINING - SCREEN = Pvc 0.00m-2.70m OUTER LINING - GRAVEL = Cement 2.70m-3.70m OUTER LINING - GRAVEL = Bentonite 3.70m-7.00m OUTER LINING - GRAVEL = Gravel		4.20m-7.20m Clay	2012-10-21	1947	East
WRK980130							1984	North
WRK077719	Observation	0.00m-0.40m FILL 0.40m-10.20m BRIGHTON GROUP 10.20m-15.80m SILTSTONE	0.00m-3.80m INNER LINING - CASING = Pvc 9.60m-15.90m INNER LINING - CASING = Pvc 0.00m-0.13m OUTER LINING - GRAVEL = Cement 0.13m-2.70m OUTER LINING - GRAVEL = Bentonite 2.70m-16.00m OUTER LINING - GRAVEL = Seal		3.80m-9.60m Sand	2014-01-20	1985	North

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

North Road & East Boundary Road, Bentleigh East, VIC 3165

Boreholes (Earth Resources Database)

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

Bore Id	Bore Type	Company	Usage	Method	Status	Drill Date	Depth	Elevation	Accuracy (m)	Dist (m)	Direct
88711		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		02/09/1983	23.00		100	296	East
80527		Private Individual/Corporation	Domestic water supply	Hand Auger		21/08/1983	18.00		100	396	South East
88704		Private Individual/Corporation	Public/town water supply	Rotary (diamond/drag bit)		28/02/1983	32.00		100	409	North
88686		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		12/01/1982	20.80		100	686	North East
80535		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		07/10/1983	17.37		100	953	South
88727		Private Individual/Corporation	Domestic water supply	Hand Auger		28/07/1985	23.00		100	1615	North West
88717		Private Individual/Corporation	Domestic water supply	Rotary (diamond/drag bit)		27/10/1983	15.85		100	1888	North East

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

Boreholes (Federation University)

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

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

Boreholes FedUni Data Source: © Federation University Australia

Historical Mining Activity - Shafts

North Road & East Boundary Road, Bentleigh East, VIC 3165

Historical Mining Activity - Shafts

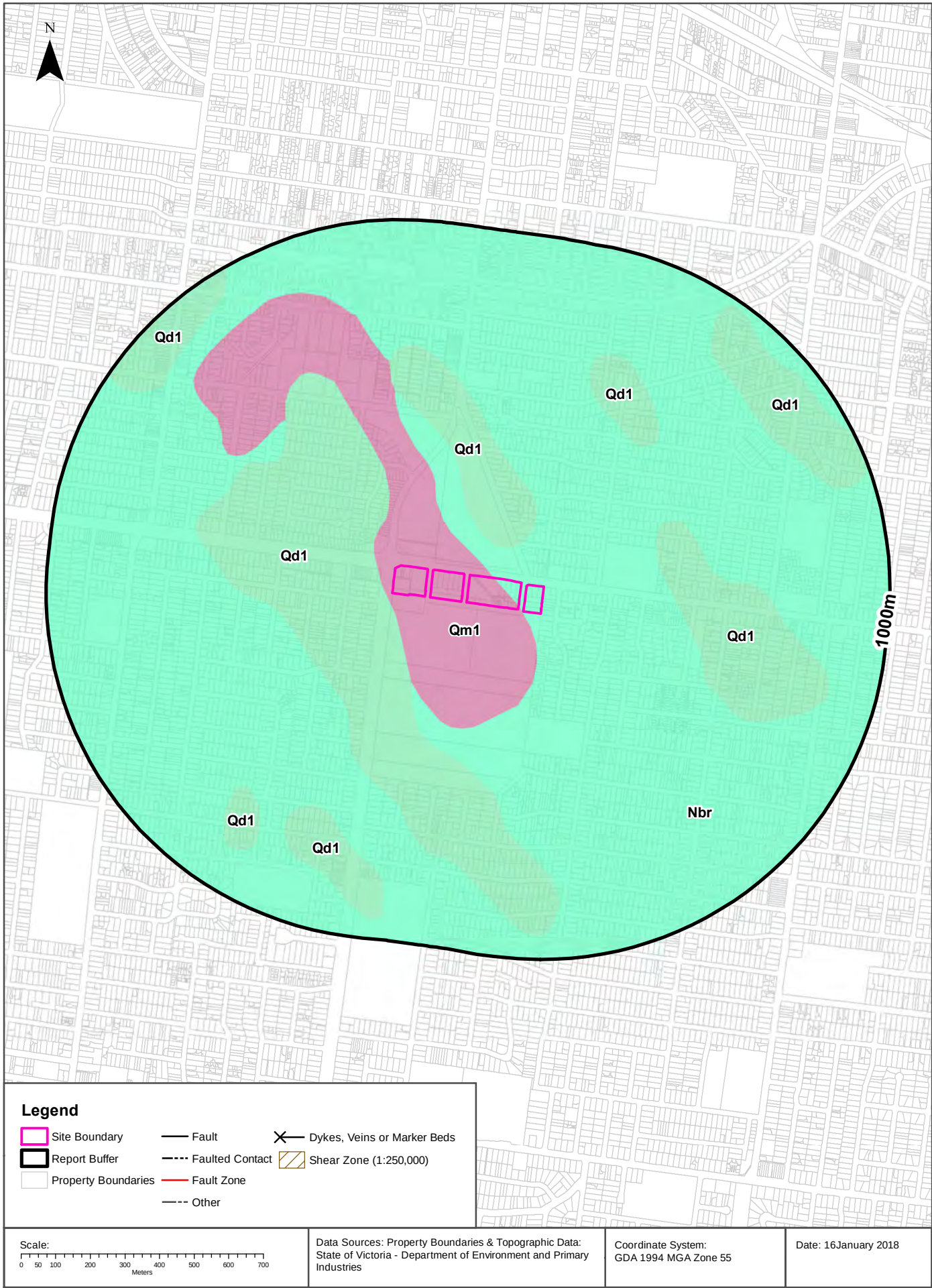
Mine Shaft Locations were collected by a variety of methods from 1869 in some areas of the state, mainly concentrating in Ballarat and Bendigo. In places a shaft may be recorded multiple times with a different source. In cases where several shaft locations are shown close together (generally with separations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

Historical Mine Shafts within the dataset buffer:

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

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

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Geology

North Road & East Boundary Road, Bentleigh East, VIC 3165

Geological Units

What are the Geological Units onsite?

Symbol	Name	Description	Geological Age	Lithology	Dataset
Nbr	Red Bluff Sandstone (Nbr): generic	Sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone	Miocene to Pliocene	conglomerate (significant); sandstone (significant)	1:50,000
Qm1	swamp and lake deposits (Qm1): generic	Grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite	Pleistocene to Holocene	mud (major proportion); silt material (significant); clay lithology (significant); peat (minor proportion)	1:50,000

What are the Geological Units within the dataset buffer?

Symbol	Name	Description	Geological Age	Lithology	Dataset
Nbr	Red Bluff Sandstone (Nbr): generic	Sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone	Miocene to Pliocene	conglomerate (significant); sandstone (significant)	1:50,000
Qd1	inland dune deposits (Qd1): generic	Sand, silt, clay: friable to consolidated; well sorted; includes both lunette deposits and deposits of longitudinal dunes	Quaternary to Quaternary	sand (significant); silt material (significant); clay lithology (significant)	1:50,000
Qm1	swamp and lake deposits (Qm1): generic	Grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite	Pleistocene to Holocene	mud (major proportion); silt material (significant); clay lithology (significant); peat (minor proportion)	1:50,000

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Geology

North Road & East Boundary Road, Bentleigh East, VIC 3165

Geological Structures

What are the Geological Faults or Faulted Contacts onsite?

Map Id	Type	Name	Contact	Positional Accuracy	Dataset
No features					1:50,000

What are the Dykes, Marker Beds and Veins onsite?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:50,000

What are the Shear Zones onsite (1:250,000 scale)?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:250,000

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

Map Id	Type	Name	Contact	Positional Accuracy	Dataset
No features					1:50,000

What are the Dykes, Marker Beds and Veins within the dataset buffer?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:50,000

What are the Shear Zones within the dataset buffer (1:250,000 scale)?

Map Id	Type	Name	Description	Positional Accuracy	Dataset
No features					1:250,000

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Soil Landscapes

North Road & East Boundary Road, Bentleigh East, VIC 3165

Atlas of Australian Soils

Australian soil types within the dataset buffer:

Symbol	Soil Order	Map Unit Description	Distance
Cb23	Podosol	Coastal plains: plains of leached sands (Uc2.33) and other (Uc2.3) soils in association with sandy acidic yellow mottled soils (Dy5.41 and Dy5.81) and small areas of (Dy3.4) soils with dunes of leached sands, (Uc2.2) on dune crests. and (Uc2.3) on dune slopes; and with small swampy areas and possibly some lunettes both with undescribed soils.	0m

Atlas of Australian Soils: CSIRO

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Soil Landscapes

North Road & East Boundary Road, Bentleigh East, VIC 3165

Victorian Soil Type Mapping

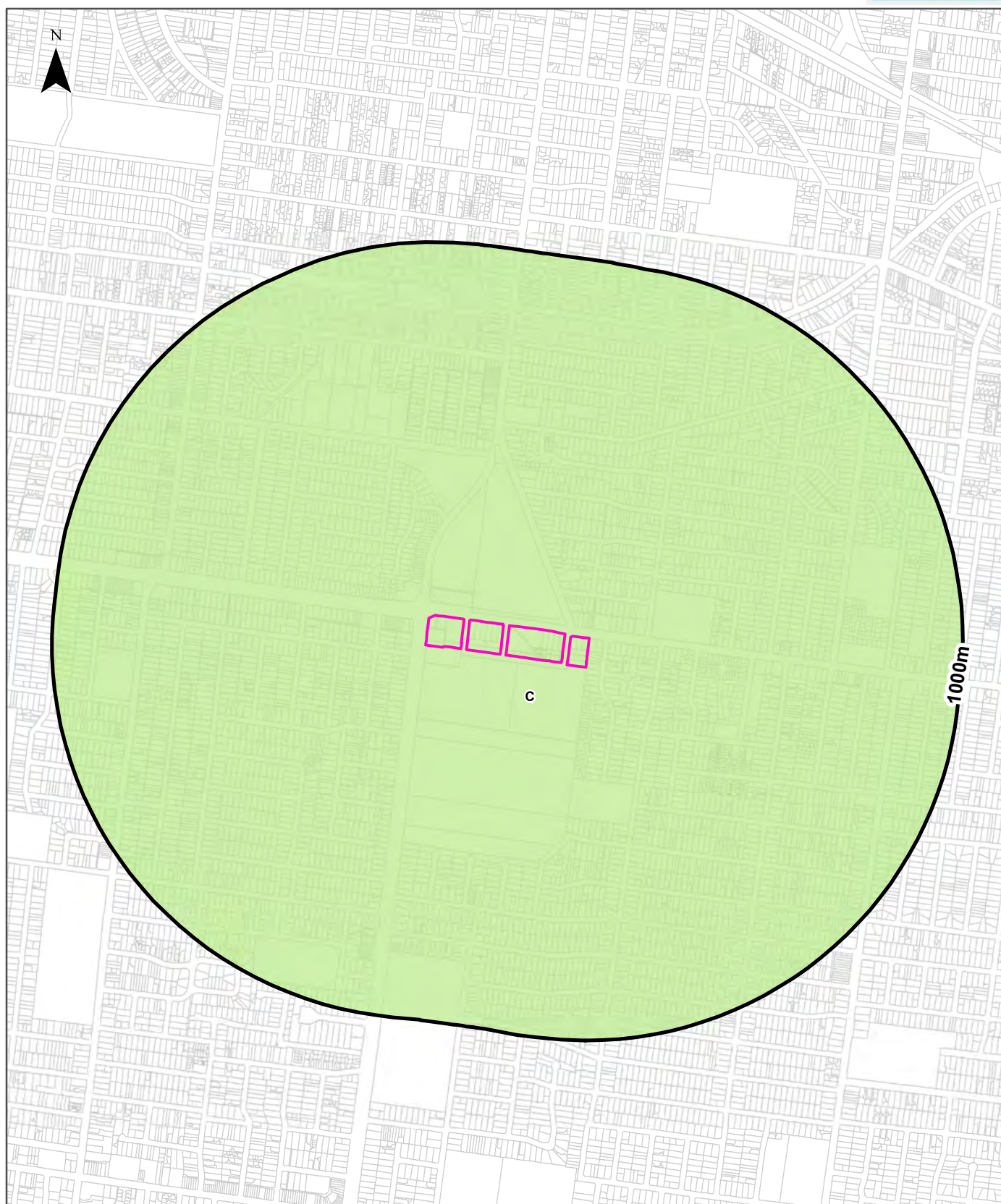
Victorian Soil Types within the dataset buffer:

Symbol	Description	Distance
NA	Unassigned	0m

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

North Road & East Boundary Road, Bentleigh East, VIC 3165



Legend

 Site Boundary

 Report Buffer

 Property Boundary

Probability of occurrence of Acid Sulfate Soils

A. High (>70%)

B. Low (6-70%)

C. Extremely Low (1-5%)

D. No Chance (0%)

No Data

Scale:

0 50 100 200 300 400 500 600 700
Meters

Data Sources: Property Boundaries & Topographic Data:
State of Victoria - Department of Environment and Primary
Industries

Coordinate System:
GDA 1994 MGA Zone 55

Date: 16 January 2018

Acid Sulfate Soils

North Road & East Boundary Road, Bentleigh East, VIC 3165

Atlas of Australian Acid Sulfate Soils

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

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

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Coastal Acid Sulfate Soils

North Road & East Boundary Road, Bentleigh East, VIC 3165

Coastal Acid Sulfate Soils

What are the on-site Coastal Acid Sulfate Soil types?

Coastal Acid Sulfate Soil Types
There are no Acid Sulfate areas onsite

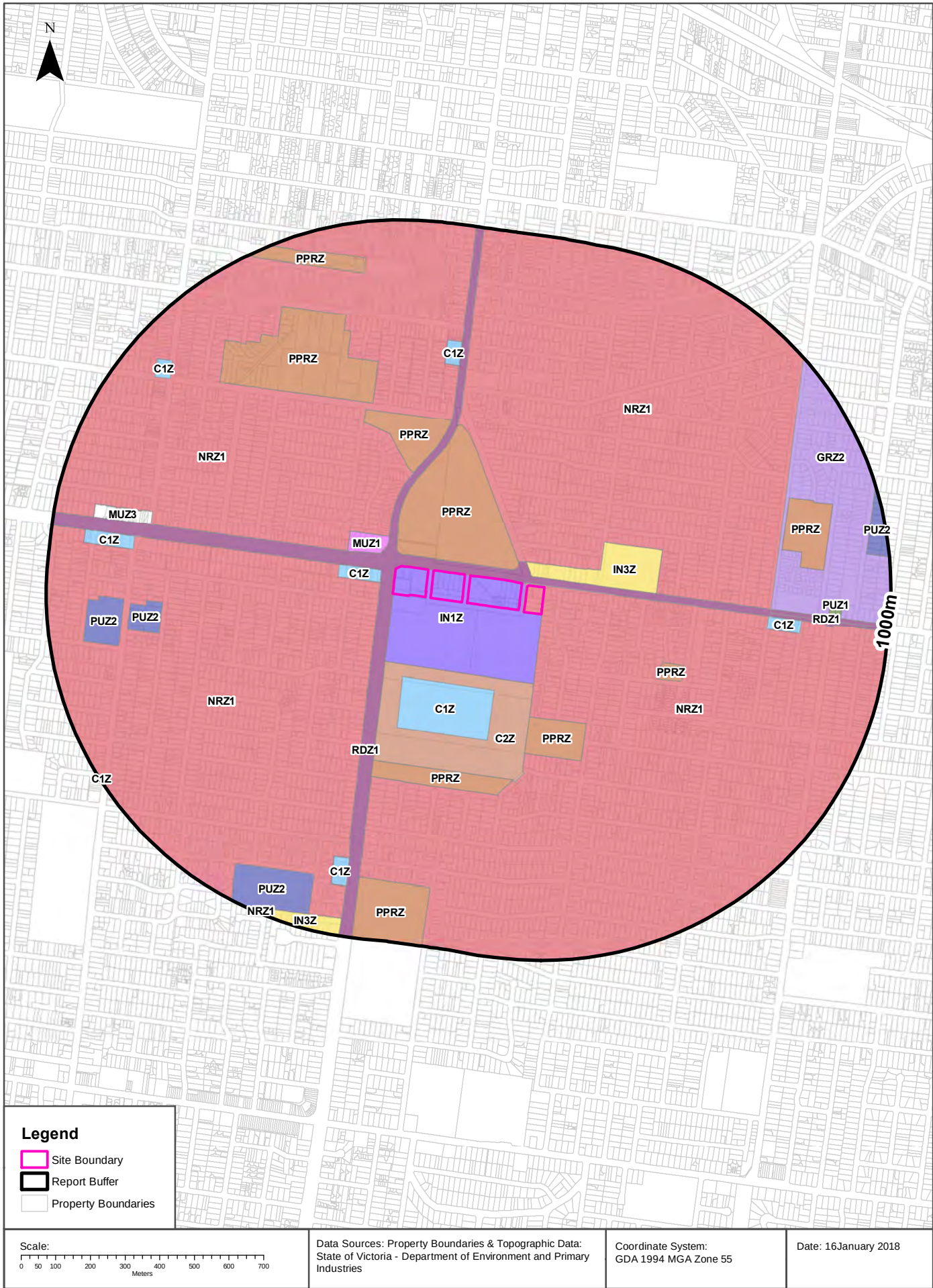
What are the Coastal Acid Sulfate Soil types within the dataset buffer?

Coastal Acid Sulfate Soil Types	Distance	Direction
There are no Acid Sulfate areas within the report buffer		

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

North Road & East Boundary Road, Bentleigh East, VIC 3165



Planning Zones

North Road & East Boundary Road, Bentleigh East, VIC 3165

Planning Zones

Planning zones within the dataset buffer:

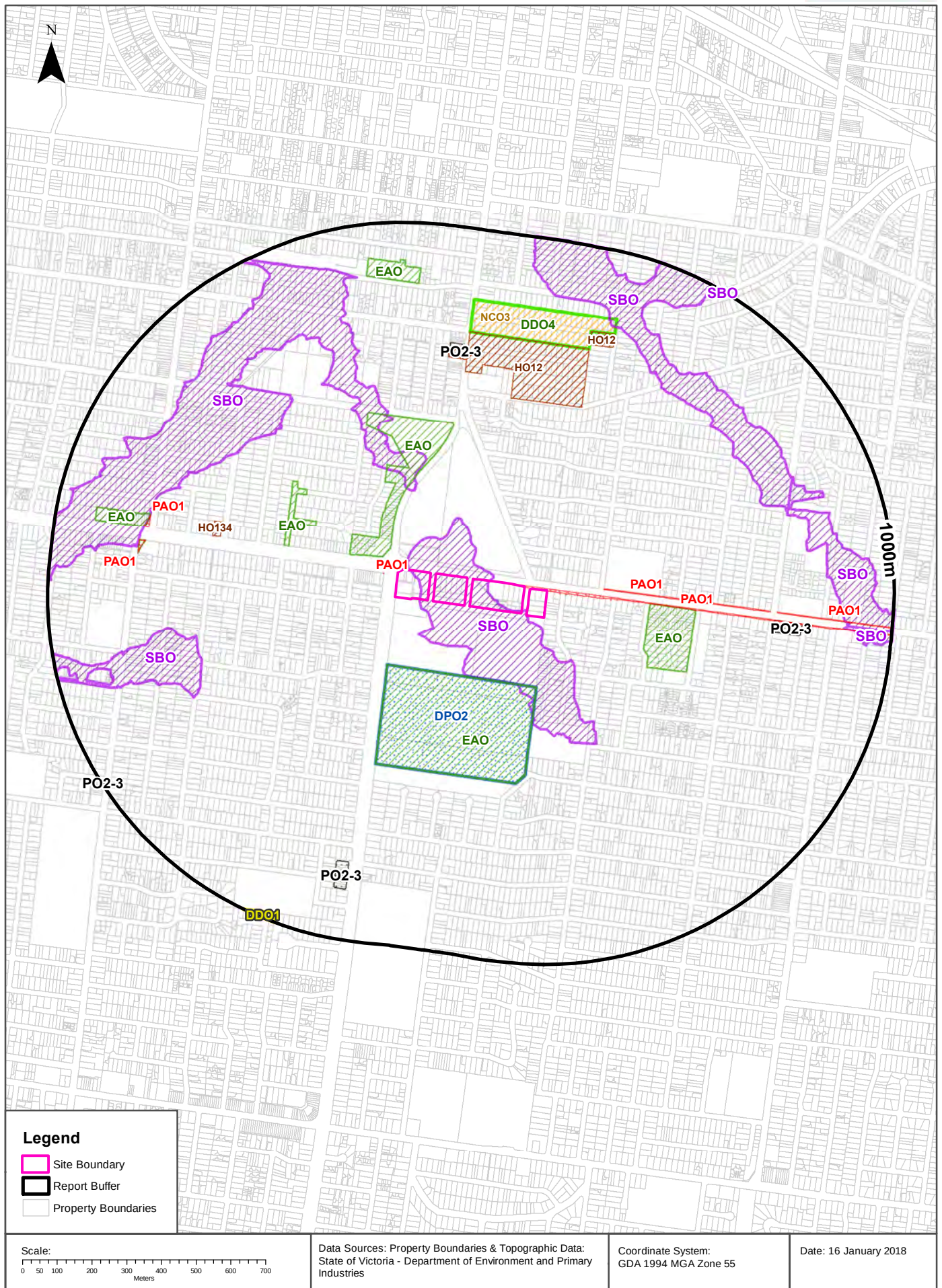
Zone Code	Description	Distance	Direction
IN1Z	INDUSTRIAL 1 ZONE	0m	Onsite
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	0m	Onsite
RDZ1	ROAD ZONE - CATEGORY 1	0m	West
IN3Z	INDUSTRIAL 3 ZONE	27m	East
PPRZ	PUBLIC PARK AND RECREATION ZONE	31m	North
C1Z	COMMERCIAL 1 ZONE	40m	West
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	41m	South West
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	60m	North East
MUZ1	MIXED USE ZONE - SCHEDULE 1	63m	North West
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	94m	North West
C2Z	COMMERCIAL 2 ZONE	198m	South
C1Z	COMMERCIAL 1 ZONE	234m	South
PPRZ	PUBLIC PARK AND RECREATION ZONE	275m	North
PPRZ	PUBLIC PARK AND RECREATION ZONE	298m	South East
PPRZ	PUBLIC PARK AND RECREATION ZONE	374m	East
PPRZ	PUBLIC PARK AND RECREATION ZONE	478m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	485m	South
C1Z	COMMERCIAL 1 ZONE	595m	North
C1Z	COMMERCIAL 1 ZONE	649m	East
GRZ2	GENERAL RESIDENTIAL ZONE - SCHEDULE 2	655m	East
RDZ1	ROAD ZONE - CATEGORY 1	655m	East
PUZ2	PUBLIC USE ZONE - EDUCATION	666m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	693m	East
MUZ3	MIXED USE ZONE - SCHEDULE 3	718m	West
C1Z	COMMERCIAL 1 ZONE	759m	West
C1Z	COMMERCIAL 1 ZONE	775m	South West
PUZ2	PUBLIC USE ZONE - EDUCATION	777m	West
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	823m	East
PPRZ	PUBLIC PARK AND RECREATION ZONE	824m	South
PUZ2	PUBLIC USE ZONE - EDUCATION	842m	South West
C1Z	COMMERCIAL 1 ZONE	852m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	853m	North West
PUZ2	PUBLIC USE ZONE - EDUCATION	932m	East

Zone Code	Description	Distance	Direction
IN3Z	INDUSTRIAL 3 ZONE	949m	South West
C1Z	COMMERCIAL 1 ZONE	982m	South West

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

North Road & East Boundary Road, Bentleigh East, VIC 3165



Planning Overlays

North Road & East Boundary Road, Bentleigh East, VIC 3165

Planning Overlays

Planning overlays within the dataset buffer:

Zone Code	Description	Distance	Direction
SBO	SPECIAL BUILDING OVERLAY	0m	Onsite
PAO1	PUBLIC ACQUISITION OVERLAY 1	0m	East
PAO1	PUBLIC ACQUISITION OVERLAY 1	40m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	63m	North West
PAO1	PUBLIC ACQUISITION OVERLAY 1	163m	East
EAO	ENVIRONMENTAL AUDIT OVERLAY	198m	South
DPO2	DEVELOPMENT PLAN OVERLAY - SCHEDULE 2	198m	South
SBO	SPECIAL BUILDING OVERLAY	230m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	272m	North West
EAO	ENVIRONMENTAL AUDIT OVERLAY	295m	East
HO134	HERITAGE OVERLAY (HO134)	521m	West
HO12	HERITAGE OVERLAY (HO12)	531m	North
PO2-3	PARKING OVERLAY - PRECINCT 2-3	623m	North
PO2-3	PARKING OVERLAY - PRECINCT 2-3	657m	East
SBO	SPECIAL BUILDING OVERLAY	659m	North East
PAO1	PUBLIC ACQUISITION OVERLAY 1	664m	East
DDO4	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 4	700m	North
NCO3	NEIGHBOURHOOD CHARACTER OVERLAY - SCHEDULE 3	700m	North
HO12	HERITAGE OVERLAY (HO12)	719m	North East
SBO	SPECIAL BUILDING OVERLAY	725m	East
PAO1	PUBLIC ACQUISITION OVERLAY 1	728m	West
PAO1	PUBLIC ACQUISITION OVERLAY 1	732m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	732m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	732m	West
PO2-3	PARKING OVERLAY - PRECINCT 2-3	776m	South West
EAO	ENVIRONMENTAL AUDIT OVERLAY	826m	North
SBO	SPECIAL BUILDING OVERLAY	859m	East
DDO1	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 1	975m	South West
PO2-3	PARKING OVERLAY - PRECINCT 2-3	995m	South West

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

North Road & East Boundary Road, Bentleigh East, VIC 3165

Cultural Heritage Sensitivity

Areas of Cultural Heritage Sensitivity as specified in Division 3 of Part 2 in the Victorian Aboriginal Heritage Regulations 2007, within the dataset buffer:

Map Id	Culturally Sensitive	Distance	Direction
N/A	No records in buffer		

Cultural Heritage Sensitivity Data Custodian: State Government Victoria - Dept of Planning and Community Development
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Natural Hazards

North Road & East Boundary Road, Bentleigh East, VIC 3165

Bushfire Prone Areas

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

Map ID	Feature	Plan No	LGA	Gazetted Date	Distance	Direction
N/A	No records within buffer					

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

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

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

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

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

Feature	Source	Method	Scale	Modified Date	Distance	Direction
N/A	No records within buffer					

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

North Road & East Boundary Road, Bentleigh East, VIC 3165

Victorian Coastal Inundation Sea Level Rise

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

Description	Distance	Direction
No records within buffer		

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

North Road & East Boundary Road, Bentleigh East, VIC 3165

Native Vegetation (Modelled 2005 Ecological Vegetation Classes)

What native vegetation exists within the dataset buffer?

Veg Code	EVC Name	EVCCode	Group	Subgroup	Bioregion	Conservation Status	Geographic Occurance	Distance
N/A	No records within buffer							

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

What RAMSAR wetland areas exist within the dataset buffer?

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

RAMSAR Wetland Area Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ecological Constraints

North Road & East Boundary Road, Bentleigh East, VIC 3165

Groundwater Dependent Ecosystems Atlas

What GDEs exist within the dataset buffer?

MapID	GDE Type	Name	GDE Potential	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
N/A	No records within buffer							

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Appendix B

Current & Historical Businesses Summary and Site Visit Notes

Parcel Detail		Business Activity						Comments on Current Land Use and Site Visit
Parcel Reference Number for Map	Address	1991	1984	1980	1977	1974	1965	
1								Carnegie Automotive. A lot of stored cars awaiting automotive repair. Potential asbestos present in roofing material. Multiple examples of chemical storage across site (and some staining). Tyre stockpile. Paints, cleaners, solvent, oils / lubricants. Remnant UST and possible fill point present on northern boundary (some staining on concrete hardstand). Numerous miscellaneous materials stored on bare ground in back section. Compressor.
2	912 North rd		Motor car &/or truck dealers					Repco (automotive parts). Appears relatively new. HAZCHEM signage. Evidence of possible former forecourt (service station). Multiple USTs and intact fill points evident in southern portion of parcel 2. Car parking (also covers parcels 40 and 41).
3			Motor spare parts dealers, retail	Motor cycle dealers &/or repairers &/or accessories				
	920 North Rd					Manufacturers representatives &/or indent agents, Hairdressers		
	924 North Rd					Motor Spare Parts Mfrs. &/or wholesalers	Printers	
4	928 North rd	Timber merchants &/or Sawmillers	Timber & hardware supplies	Timber merchants	Timber merchants, sawmiller	Timber merchants	Timber merchants	Wilson Storage. Looks relatively new. Unable to gain access from street. Limited evidence of chemical storage or use. Power station to south.
5								Jeff Hind Smash Repairs. Sewer connection. New / recently refurbished. Some debris on bare ground at back of workshop. Compressor present at back of workshop. General chemical storage including paint, cleaners and solvents
6								Wilson Storage. Entry Area (refer to Parcel 4).
7	934 North Rd		Motor accessories retail	Motor trimmers, motor painters &/or panel beaters		Engineers - general &/or manufacturing &/or mechanical, Motor accessory Mfrs &/or wholesalers	Motor accessory manufacturers & wholesalers, Auto replacement parts Mfrs	Pro Light and Sound. Looks vacant at time of inspection. No specific evidence of bulk chemical storage or use. Rear roll a door appeared to be in use. General waste (in bins) stored in parking area at rear.
8	936 North Rd						Auto replacement parts Mfrs	Dance 101 dance School. No specific evidence of chemical storage or use except routine waste disposal (bins) at rear car park area.
9	938 North Rd	Motor Exhaust Systems &/or Mufflers Mfrs &/or Dists. &/or Fitters, DJ Exhaust Systems	Motor windscreens, Motor Exhaust Systems &/or Mufflers		Potter Mfrs. &/or Dist		Potter Mfrs. &/or Dist	AVIS / BUDGET depot. Some activity in laneway showing vehicle Washdown and some chemical storage. Car cleaning and maintenance. No clear evidence of USTs (noting difficult access) but this could be possible. Likely sewer connection (for Washdown waste).
10	940 North Rd	Particle board Mfrs, Plywood Mfrs. &/or Dists. &/or Merchants		Door Mfrs	Door Mfrs	Door Mfrs.	Blind Manufacturers	McKinnon Smash Repairs. Looks relatively new and clean from outside (i.e. Recently refurbished). Car storage, repairs and minor maintenance. Evidence of paint and other chemical storage (cleaners and solvents). Sewer connection/. No specific evidence of USTs
11	942 North Rd	Laminated Materials &/or Products Mfrs &/or Dists	Door Mfrs &/or Dists				Boat & Yacht builders, Venetian Blind manufacturers	
12	944 North Rd		Motor engine reconditioners, Motor spare parts dealers	Motor spare parts dealers retail		Druggists w/sale, Packing &/or Packing Supplies (British United Chemicals Pty Ltd), Paints - anti-corrosive	Drug merchants- wholesale, Packing &/or Packing Supplies (British United Chemicals Pty Ltd), Paints - anti-corrosive, Resin Mfrs- synthetic	
13	Murra Street							Rear of Pro Light & Sound and Dance 101 dance school. Bins storage. Concrete hardstand and sewer connection.
14								Rova Range Automotive. Car storage, repairs and panel beating. Relatively new and clean (i.e. Recently refurbished). No specific evidence of USTs (with possible exception of northern internal boundary). Multiple examples of chemical storage (paints, cleaners, solvents).
15								
16	2 Murra St					Electric clock Mfrs, electrical instruments		Rova Range Automotive and Fine Tiles. No access to Fine Tiles which is noted to have moved.
17								Technology Exchange Pty Ltd. Materials storage and fabrication. Employee noted no knowledge of USTs on Site. Some evidence of chemical use and metal fabrication. Also includes unsigned warehouse (comm or industrial use). No access. Large gas bottle. Sewer connection.
18								Smart Smash Repairs. Relatively new and refurbished. HAZCHEM signage. No specific evidence of USTs etc. Chemical storage (paints, solvents, cleaners). Car Washdown area. Numerous car storage. Vents and stacks. Parts storage in some areas.



Parcel Detail		Business Activity						Comments on Current Land Use and Site Visit
Parcel Reference Number for Map	Address	1991	1984	1980	1977	1974	1965	
19	946 North Rd	BP Service Station	BP Service Station	BP Service Station		BP Service Station, Engineers- general &/or manufacturing &/or mechanical, Resin manufacturers - synthetic (British United Industries)	BP Service Station, Engineers- general, mechanical & manufacturing	United service station and mechanical / auto electrical repairs. Staining and car storage evident. Numerous USTs (both at service station and mechanical repairs frontage) with some staining evident (particularly evident in western portion of parcel). Number of stack. Chemical storage (oils / lubricant / solvents) and vehicle Washdown area. Debris on hardstand and bare ground. Vacant lot behind United shopfront contains bare ground with numerous items of debris and waste storage. Mechanical repairs.
	948 North Rd					Builder's supplies, Cranes & Forklift hire, Engineers- general &/or manufacturing &/or mechanical, Motor electricians, Motor magneto & generator repairs, Steel - structural erectors, Welders-electric &/or oxyacetylene	Cranes & forklifts hire, Motor electricians, Motor fuel pumps, motor magneto and generator repairs, Steel -structural erectors, Welders- electric &/or oxyacetylene	
	952 North Rd		Amoco Self service					
20	954 North Rd	Paint, Enamel, Varnish &/or Stain Mfrs &/or Imps. &/or Dists.	Paint &/or varnish Mfrs &/or Dists.	Paint &/or varnish Mfrs &/or Dists.	Enamel Mfrs, paint & varnish Mfrs. &/or Dists	Enamel Mfrs., Paint & varnish Mfrs	Enamel Mfrs., Paint & varnish Mfrs	Sweetas. Sweets Shop and Lolly Shop. Evidence of intact UST and fill point in rear parking area. General pallet storage.
21	956 North Rd			Clothing Mfrs &/or W/salers- industrial &/or protective	Clothing Mfrs &/or W/salers- industrial &/or protective	Clothing Mfrs &/or W/salers- industrial	Clothing- Industrial	Honda Dealership Support. Retail shop. Mechanical and Smash Repairs and spare parts. Possible asbestos material in roofing (in part). Numerous vent pipes (possibly for USTs) evident in approximate southern edge of parcel 21. Numerous stacks / vents also evident. Car storage, chemical storage, car Washdown. Spare parts storage. Pallets, Cardboard boxes. Possible fill point on street frontage. Numerous cars stored including on residential property to the east (see parcel 37).
22	958 North Rd							
23	960 North Rd	Motor panel beaters &/or spray painters	Motor body repairers	Motor body repairers	Motor body repairers		Earth moving & excavating contractors	
24	2 Carey St	Motor panel beaters &/or spray painters				Engineers- electronic, Shop &/or office fitters		Macrow Automotive and exhaust. Evidence of chemical storage including paints, cleaners, solvents and oils / lubricants.
25								Tayfell Automotive. Smash repairs and engineering. Car storage, boat storage, chemical storage and repairs. Spills evident on some parts of hardstand and immediate area outside of workshop, including on road.
26		Motor brake specialists, motor engineers						
27								
28								See SMART Smash Repairs - Parcel 18
29								Don Blight Electroplating. HAZCHEM signage. No access. Vents and stacks in roof. Multiple examples of chemical and flammable liquid storage in historical street view photographs
30			Founders non ferrous	Founders non ferrous				Honda - see parcels 21 - 23
31								
32	1 Cobar St		Steel fabricators	Steel fabricators	Motor body builders	Motor boot builders		
33								General Residential
34								
35								
36								General Residential
37								General Residential. Owned by Honda. Cars stored by Honda over time.
38	4 Cobar St		Plumbers, gasfitters &/or drainlayers	Plumbers	Plumbers	Plumbers		General Residential
39								General Residential
40								See parcel 2 and 3
41	926 North Rd		Motor Spare Parts Dealers retail	Motor Spare Parts Dealers retail		Milk bar, confectionery shop, mixed business	Confectionery shop, milk bar	See parcel 2 and 3



Parcel Detail		Business Activity						Comments on Current Land Use and Site Visit
Parcel Reference Number for Map	Address	1991	1984	1980	1977	1974	1965	
unknown	Carey St			Copper brazing, Bearing Mfrs &/or Bush Mfrs &/or dists (Bi-Metal Industries Pty Ltd)	Copper brazing, Bearing Mfrs &/or Bush Mfrs &/or dists (Bi-Metal Industries Pty Ltd)	Copper brazing, Bearing Mfrs &/or Bush Mfrs &/or dists, Engine reconditioners (Bi-Metal Industries Pty Ltd)		Now smash repairs and mechanical
unknown	1 Carey St	Motor garage/service station (MG Workshops)	Motor car radio sales &/or service, motor engine reconditioners, motor engineers, motor garages &/or service station	Motor car radio specialists, motor garages &/or engineers &/or service station (Plus Four Automotive Services)				Now smash repairs and mechanical
unknown	Cobar St				Founders - Brass, Clemar Brass Foundry	Founders - Brass, Clemar Brass Foundry		
road intersection	Cnr North & East Boundary Rd					Golden Fleece Ormond East Service Station	Golden Fleece (H.C. Sleigh Ltd) Ormond East Service Station	
road intersection	Cnr North Rd & Carey St						motor panel beaters	
								General Precinct Observations - Sewer along boundary, Chassis brakes and carpark to south, some monitoring wells observed, power station in southwestern portion

Appendix C

Photographs

Appendix C- Photographs—Site Inspection



Plate 1 – Repco Business – Parcels 2, 3 40 and 41



Plate 2 – Remnant UST within Parcel 1



Plate 3 – Looking east towards Power substation/ transformer yard



Plate 4 – Remnant UST fill points within Parcel 2

Appendix C- Photographs—Site Inspection



Plate 5 – General waste and chemical storage – Parcel 1



Plate 6 – Multiple vents and chemical storage – Parcel 21



Plate 7 – Looking east towards residential property on Cobar Street



Plate 8 – Remnant USTs and fill points – Parcel 19

Appendix C- Photographs—Site Inspection



Plate 9 – Rear of Service Station – Parcel 19



Plate 10 – Mechanical Workshop – Parcel 19



Plate 11 – Electroplating Business – Parcel 28



Plate 12 – Exterior of eastern portion of Parcel 15

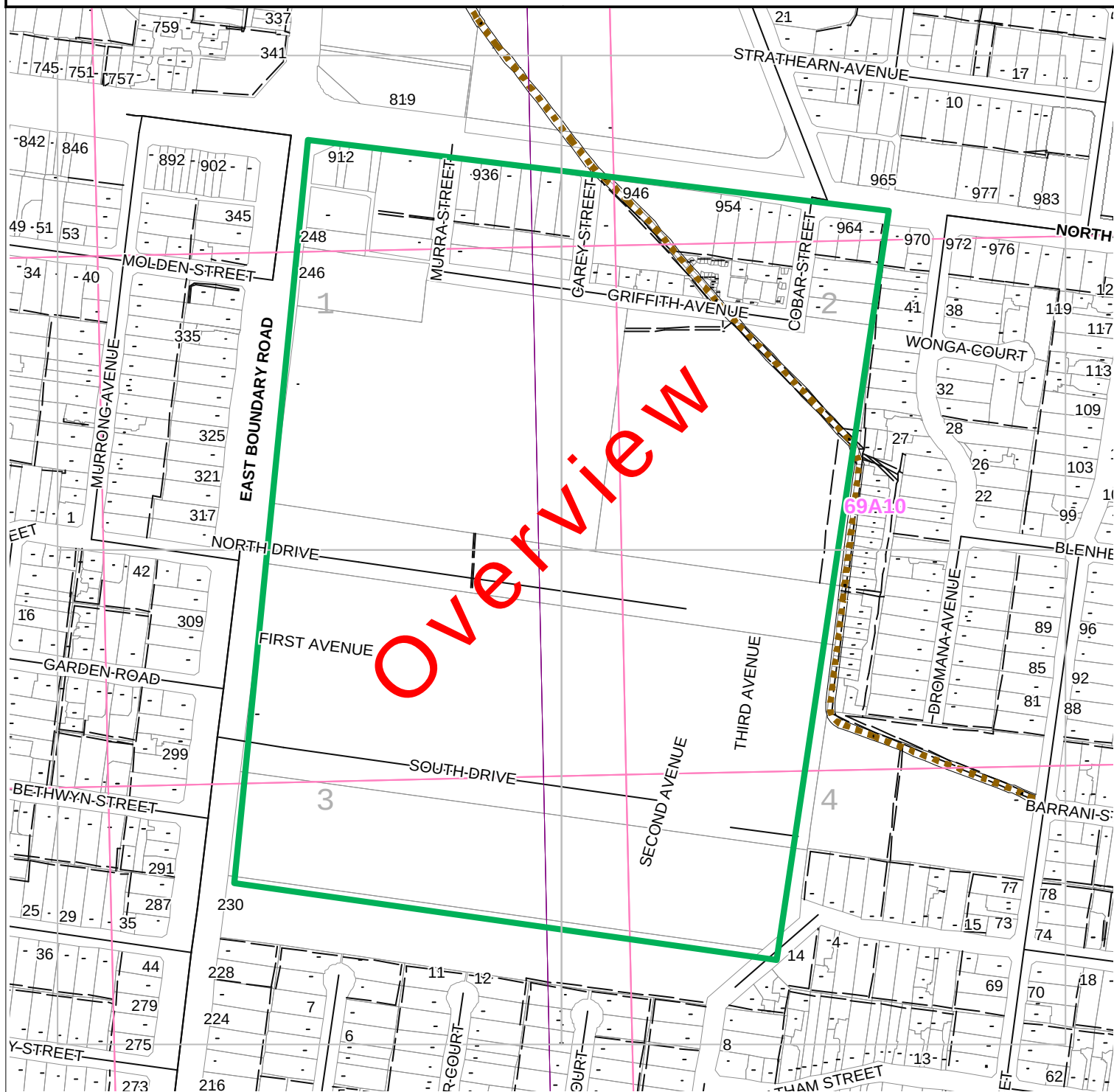
Appendix D

Underground Service Plans

Drainage Assets Plan

DBYD Sequence Number: 67992272

DBYD Job No. 13589178



Address: E Boundary Road, Bentleigh East, VIC, 3165

Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9

Date Supplied: 25/01/2018

1:2000

-  Drainage pipeline
-  Open drainage channel
-  Natural waterway (River/Creek)

-  Area of interest
-  Easement
-  Property boundary
-  House number unknown
-  VicRoads map reference
-  Melway map reference

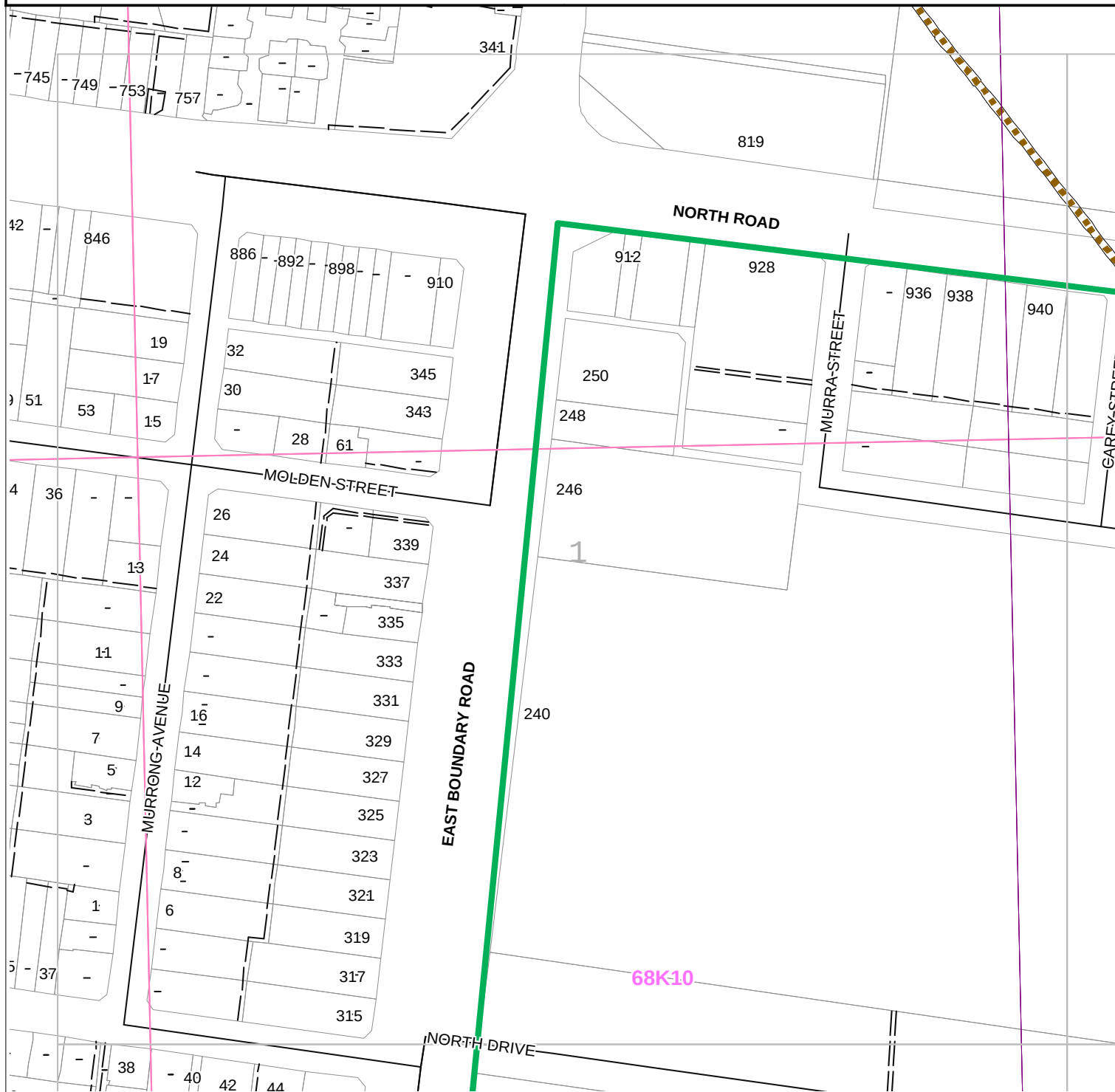


Assets may contain asbestos material and therefore works on these assets must be undertaken in accordance with OHS (asbestos) Regulations.

Drainage Assets Plan

DBYD Sequence Number: 67992272

DBYD Job No. 13589178



Address: E Boundary Road, Bentleigh East, VIC, 3165

Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9

Date Supplied: 25/01/2018

1:2000



Drainage pipeline



Open drainage channel



Natural waterway (River/Creek)



Area of interest



Easement



Property boundary



House number unknown

345F4

VicRoads map reference

27D4

Melway map reference

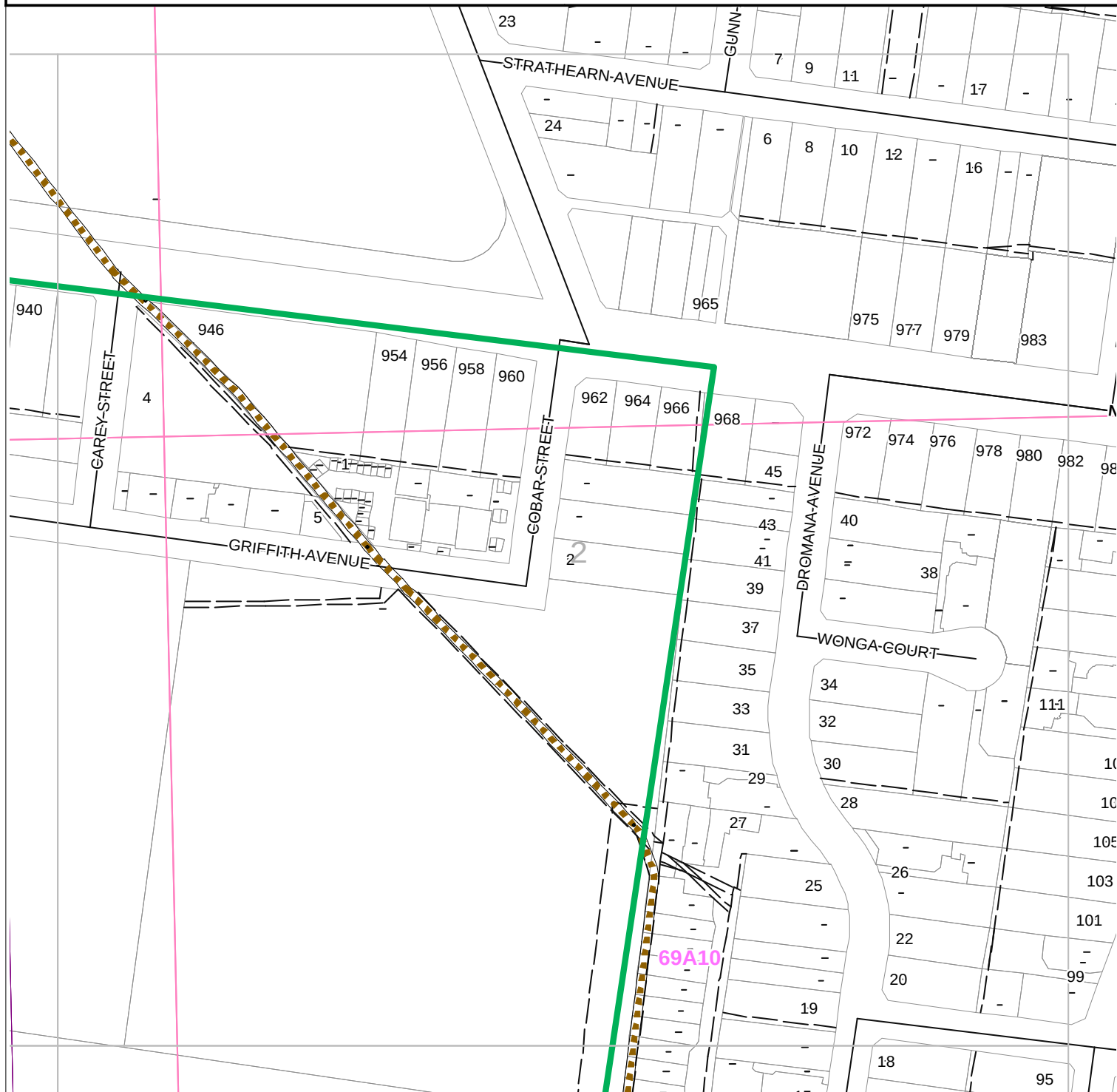


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1:2000



Drainage pipeline



Open drainage channel



Natural waterway (River/Creek)



Area of interest



Easement



Property boundary



House number unknown

345F4

VicRoads map reference

27D4

Melway map reference

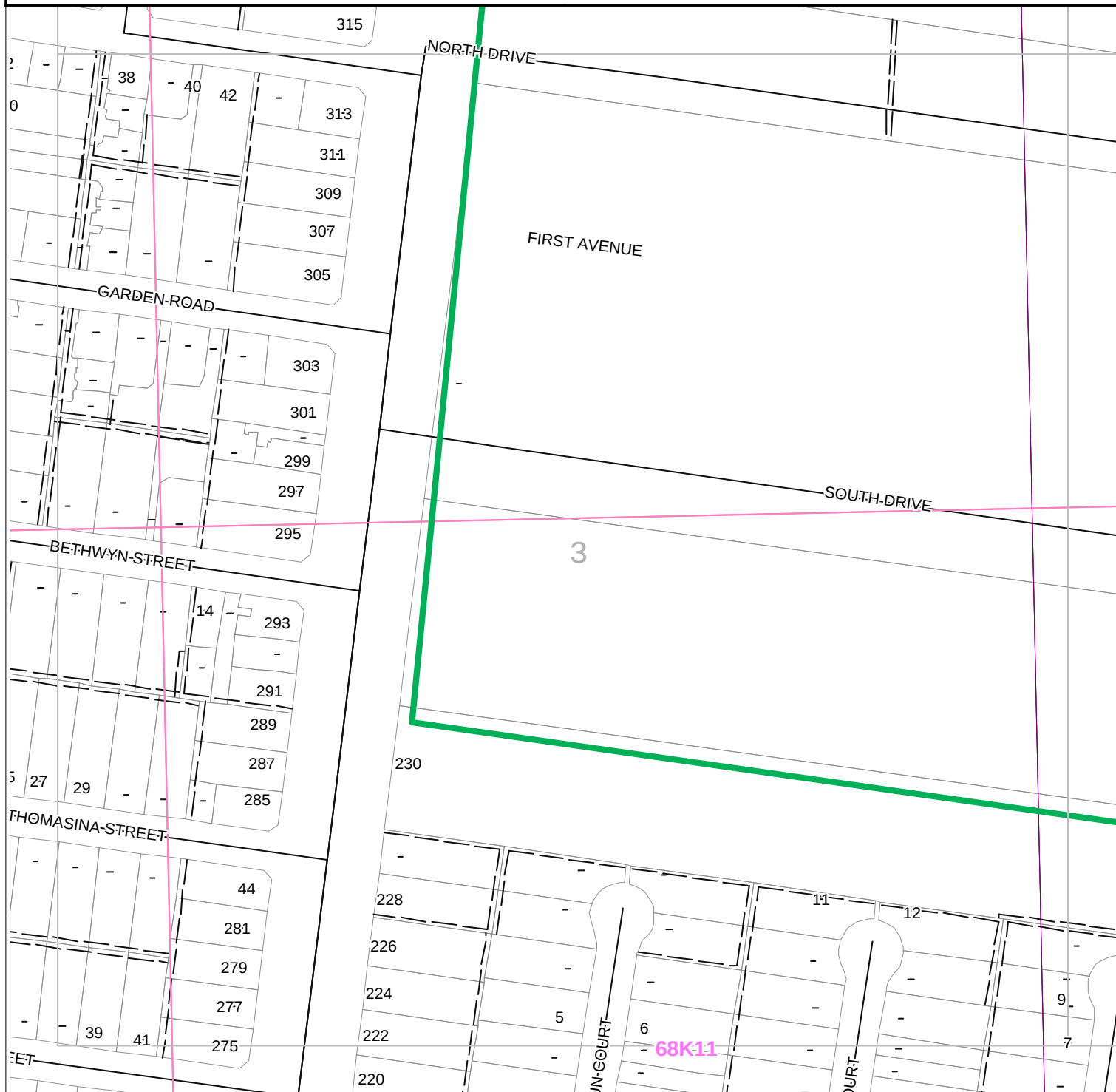


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Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9

Date Supplied: 25/01/2018

1:2000



Drainage pipeline



Open drainage channel



Natural waterway (River/Creek)



Area of interest



Easement



Property boundary



House number unknown

345F4

VicRoads map reference

27D4

Melway map reference



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-  House number unknown
-  VicRoads map reference
-  Melway map reference

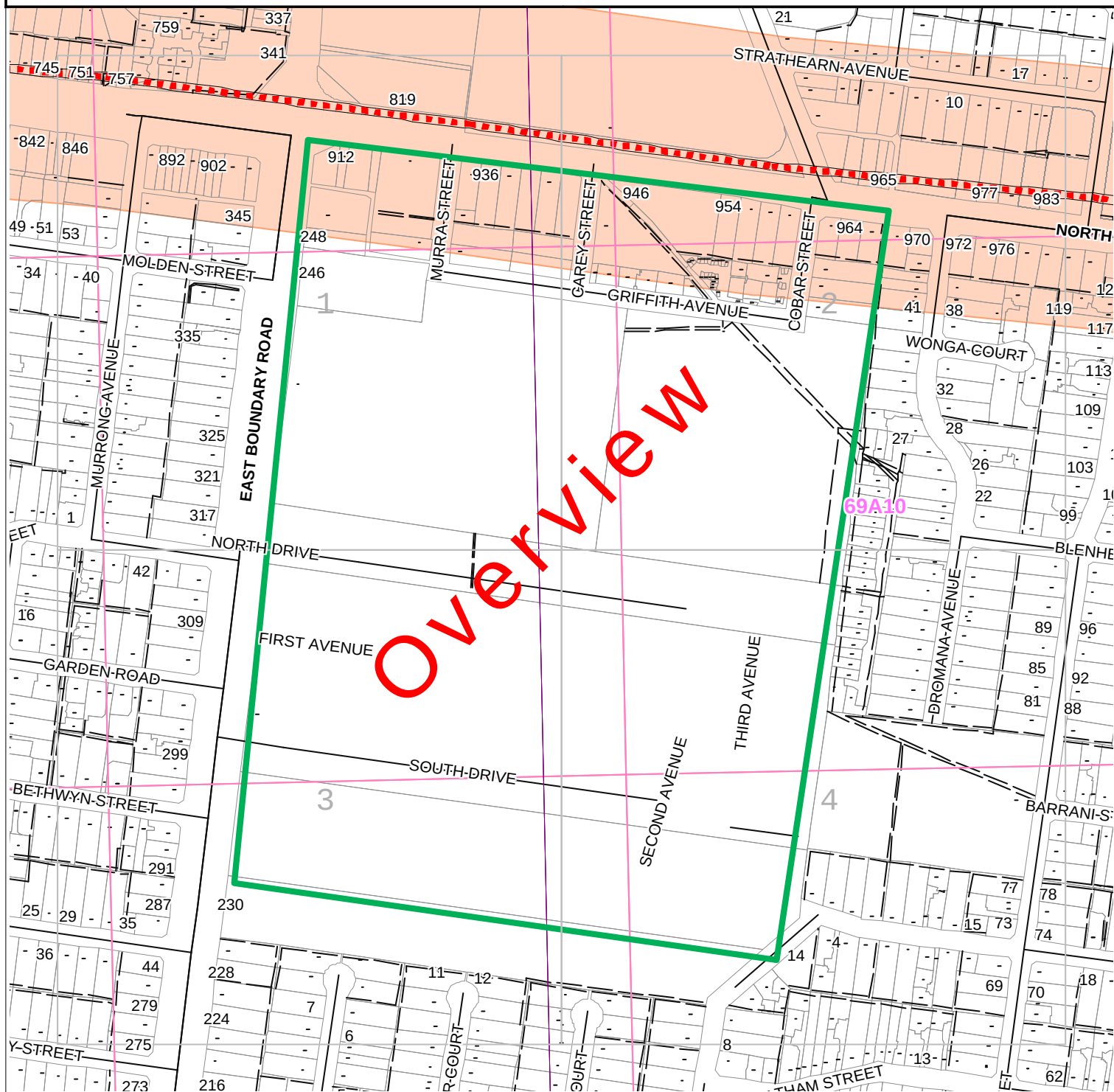


Assets may contain asbestos material and therefore works on these assets must be undertaken in accordance with OHS (asbestos) Regulations.

Sewer Assets Plan

DBYD Sequence Number: 67992272

DBYD Job No. 13589178



Address: E Boundary Road, Bentleigh East, VIC, 3165

Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9

Date Supplied: 25/01/2018

1:2000



Sewer main



Abandoned sewer main



Sewer buffer

Please contact the Melbourne Water Asset Services team on 9679 6614 if proposed works are to be undertaken within the shaded area



Area of interest



Easement



Property boundary



House number unknown

345F4

VicRoads map reference

27D4

Melway map reference

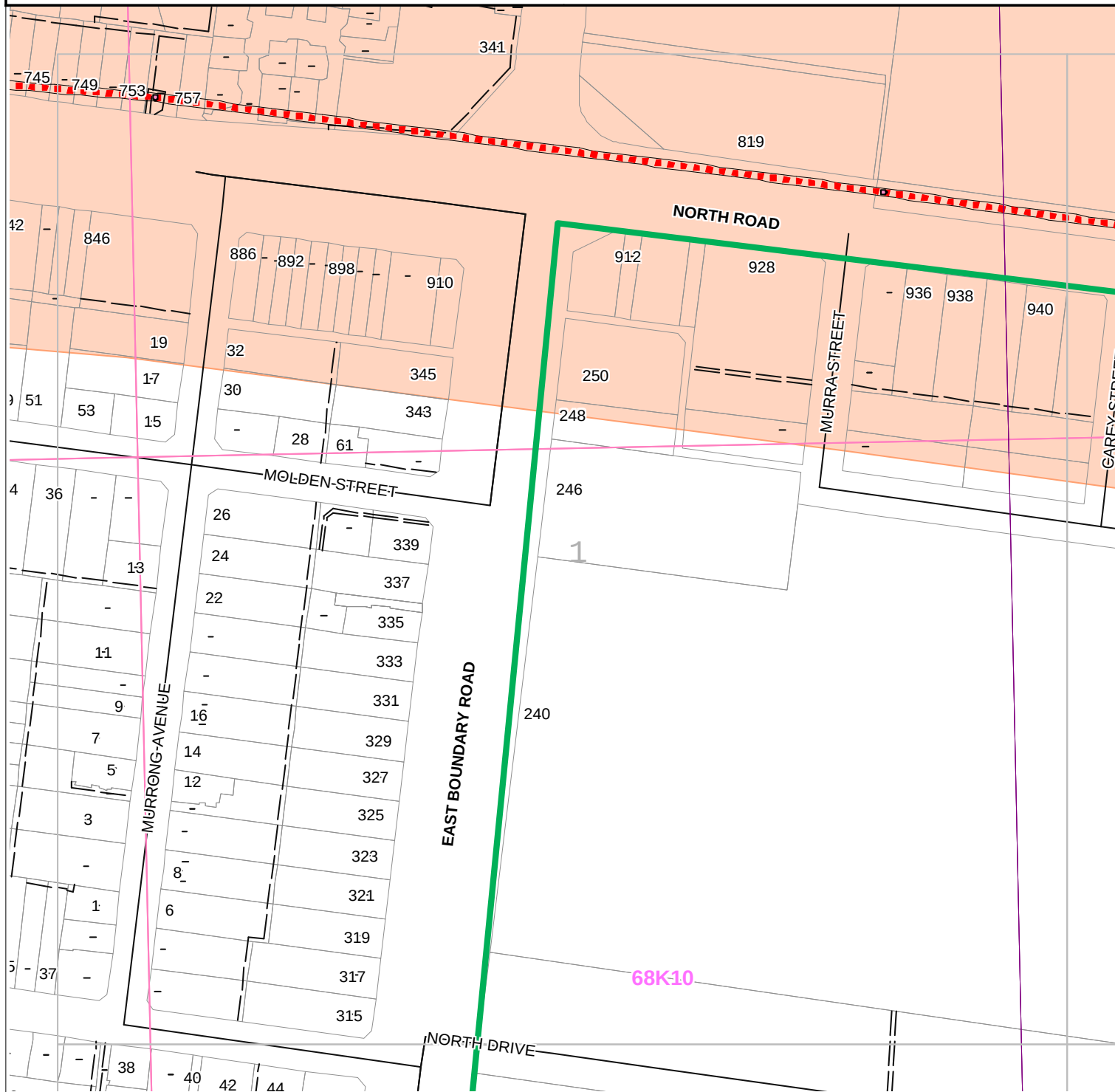


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Sewer Assets Plan

DBYD Sequence Number: 67992272

DBYD Job No. 13589178



Address: E Boundary Road, Bentleigh East, VIC, 3165

Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9

Date Supplied: 25/01/2018

1:2000



Sewer main



Abandoned sewer main



Sewer buffer

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Area of interest



Easement



Property boundary



House number unknown

345F4

VicRoads map reference

27D4

Melway map reference

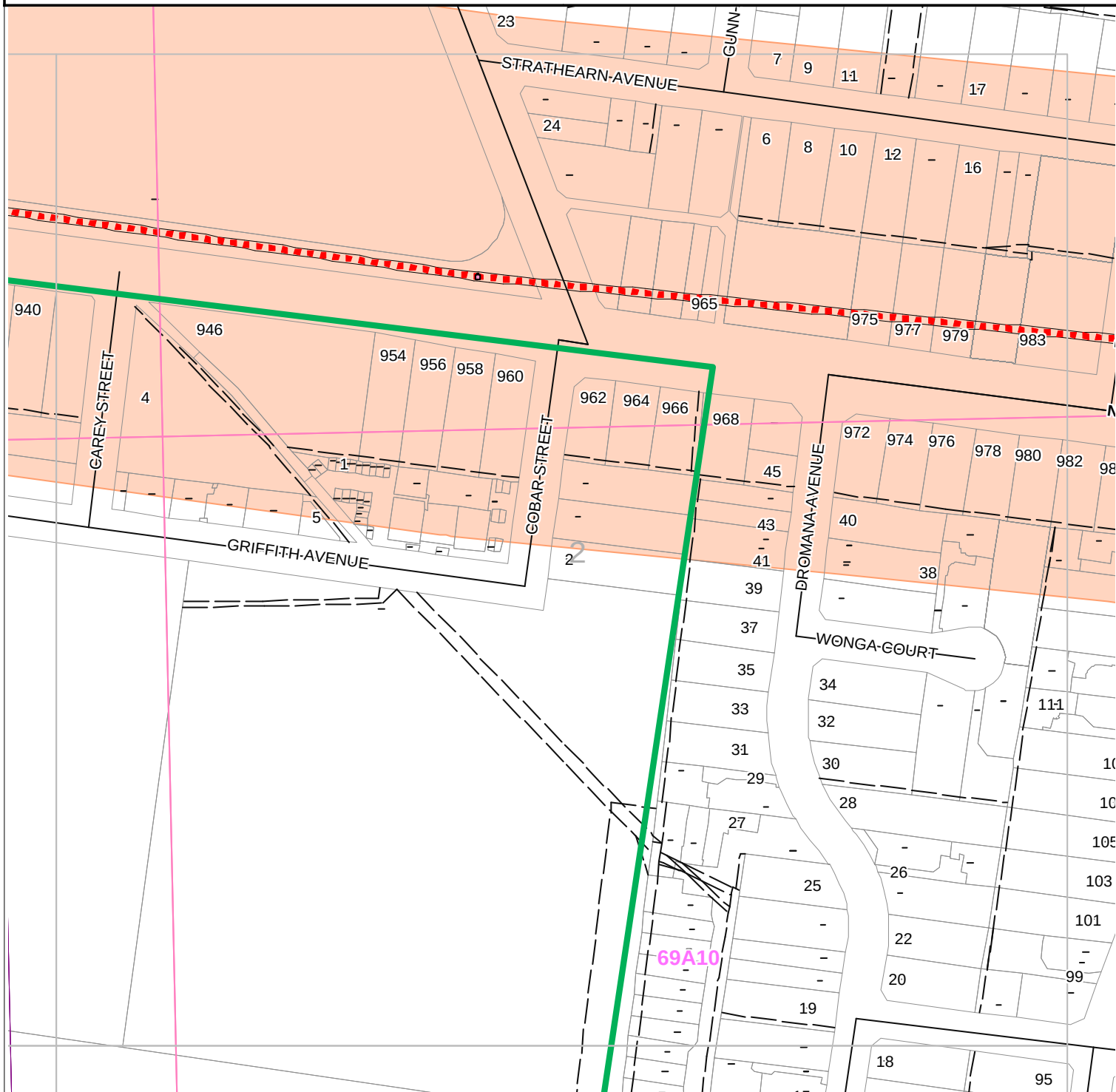


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 Date Supplied: 25/01/2018

1:2000



Sewer main

Abandoned sewer main

Sewer buffer

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Area of interest

Easement

Property boundary

House number unknown

X

345F4

VicRoads map reference

27D4

Melway map reference

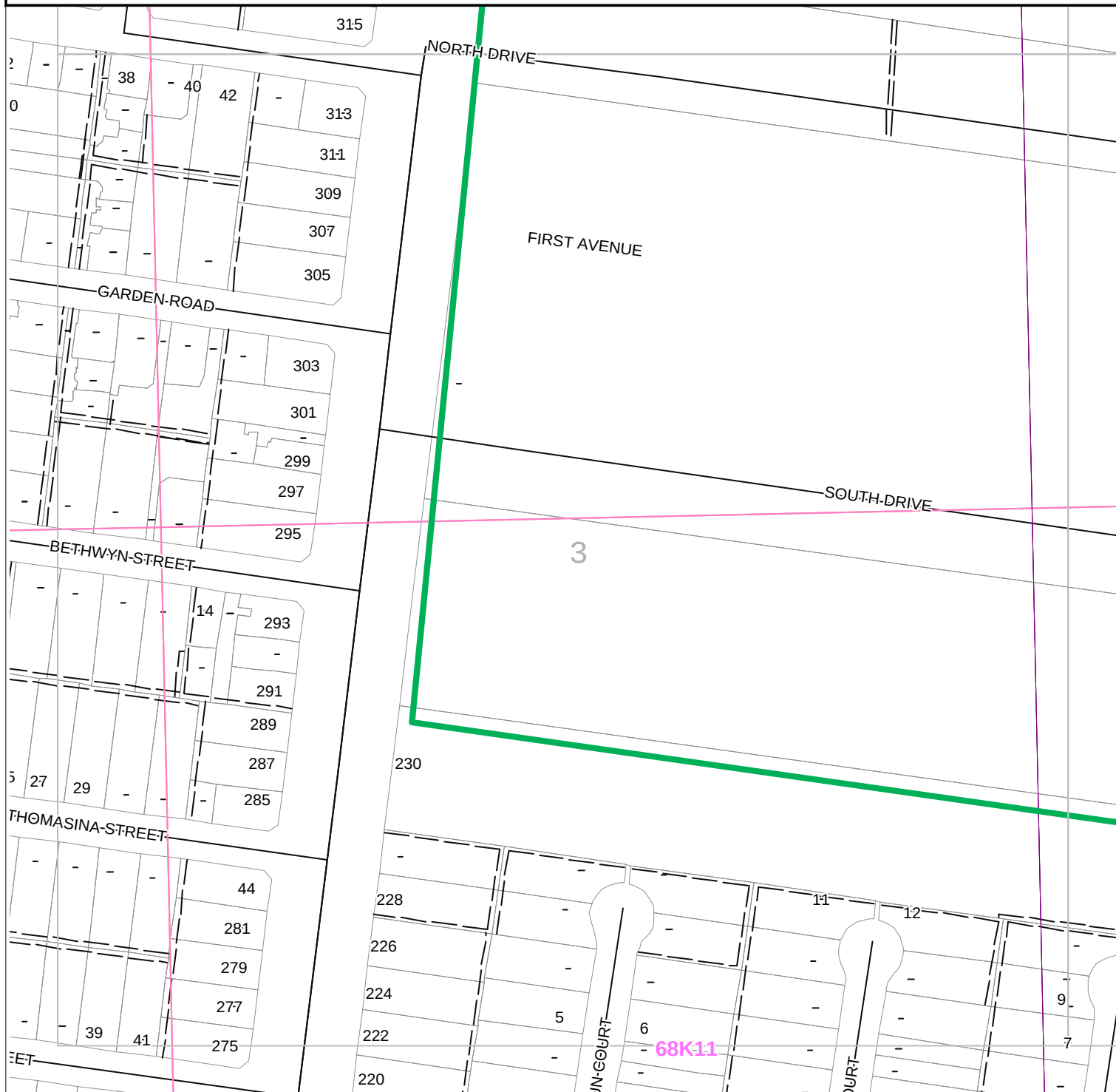


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Sewer Assets Plan

DBYD Sequence Number: 67992272

DBYD Job No. 13589178



Address: E Boundary Road, Bentleigh East, VIC, 3165

Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9

Date Supplied: 25/01/2018

1:2000



Sewer main



Abandoned sewer main



Sewer buffer

Please contact the Melbourne Water Asset Services team on 9679 6614 if proposed works are to be undertaken within the shaded area



Area of interest



Easement



Property boundary



House number unknown

345F4

VicRoads map reference

27D4

Melway map reference

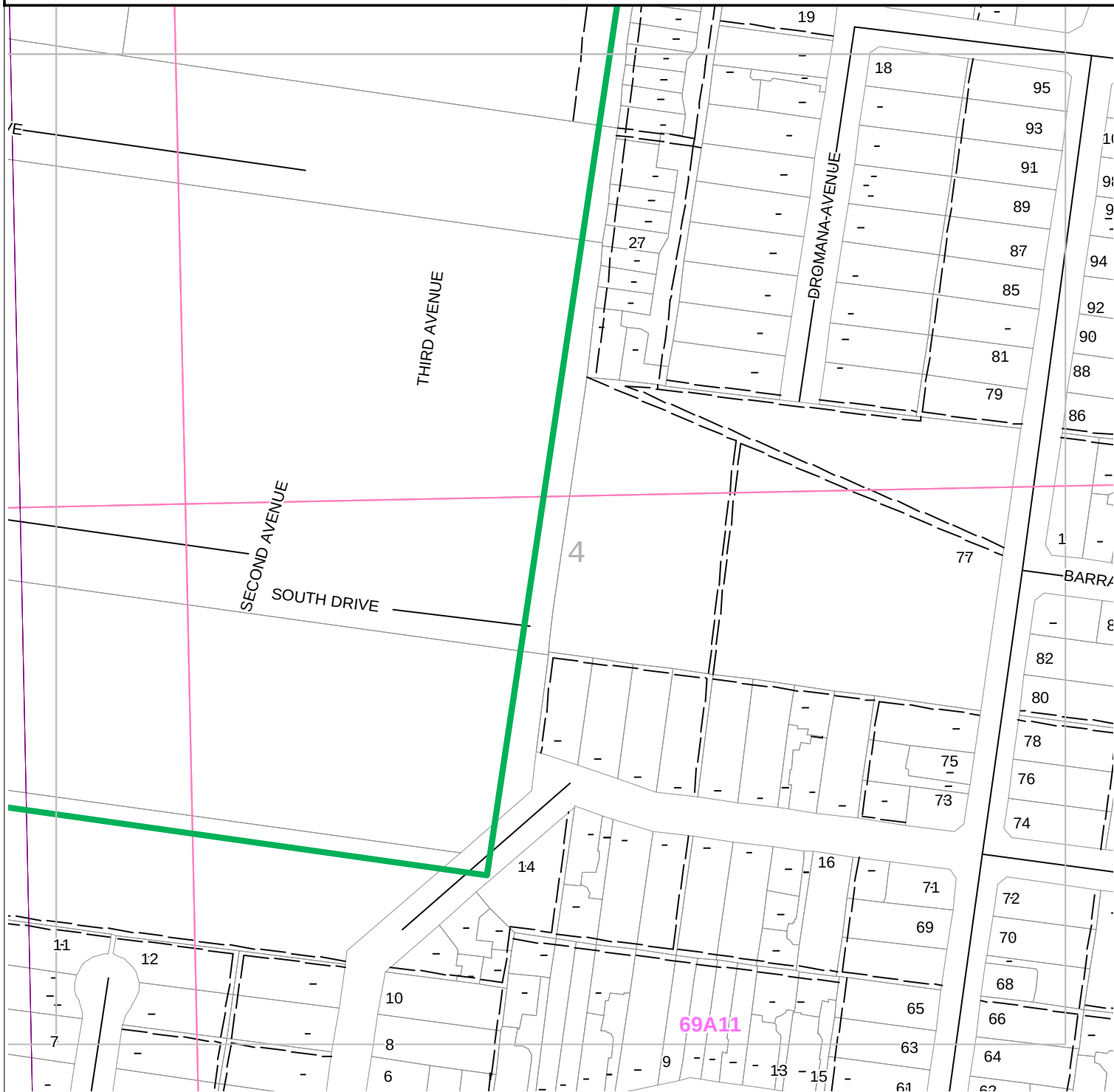


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Sewer Assets Plan

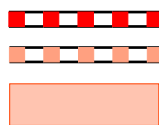
DBYD Sequence Number: 67992272

DBYD Job No. 13589178



Address: E Boundary Road, Bentleigh East, VIC, 3165
 Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9
 Date Supplied: 25/01/2018

1:2000



Sewer main

Abandoned sewer main

Sewer buffer

Please contact the Melbourne Water Asset Services team on 9679 6614 if proposed works are to be undertaken within the shaded area



Area of interest

Easement

Property boundary

House number unknown

X

345F4

VicRoads map reference

27D4

Melway map reference

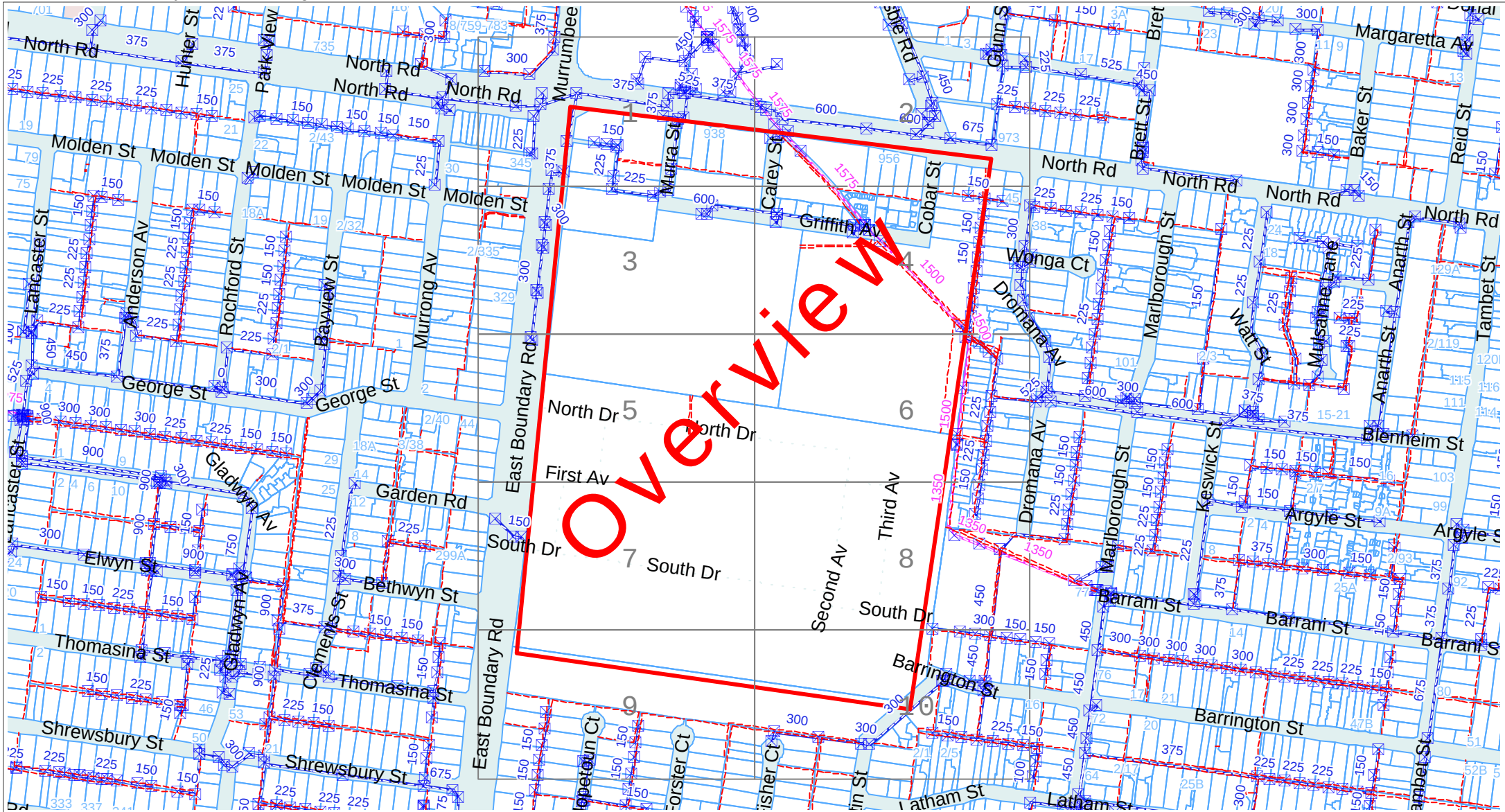


Assets may contain asbestos material and therefore works on these assets must be undertaken in accordance with OHS (asbestos) Regulations.

Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



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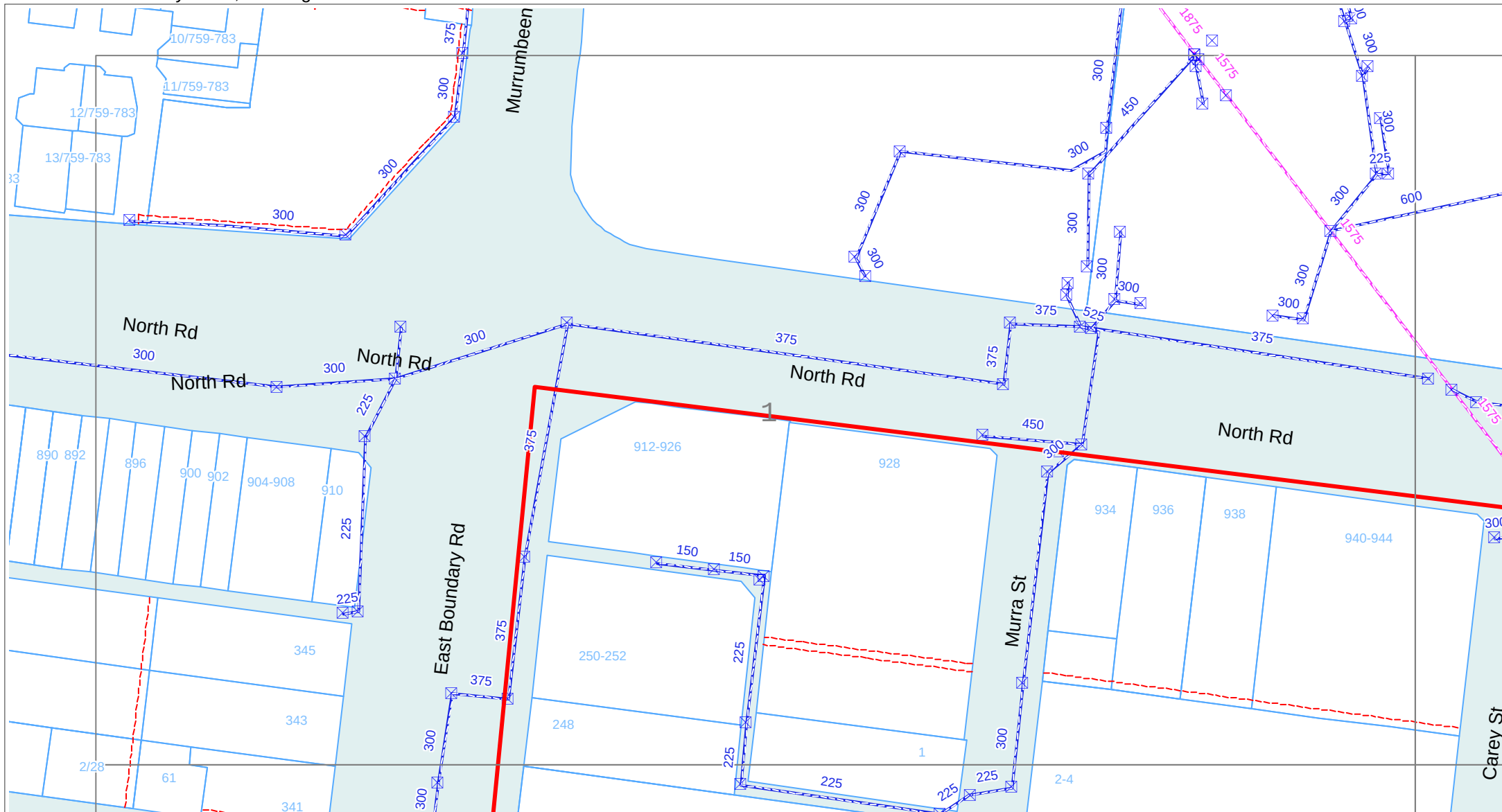


- Pits
- Pipes - Glen Eira
- Pipes - Melbourne Water

- Easements
- Railway
- Tramway

- Heritage
- Aboriginal Cultural
- Property

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**GLEN EIRA
CITY COUNCIL**

Legend | Scale: 1:1000



N



Pits

 Pipes - Glen Eira



Pipe

 Pipes - Melbourne Water



Easements



Railway



Tramway



Heritage

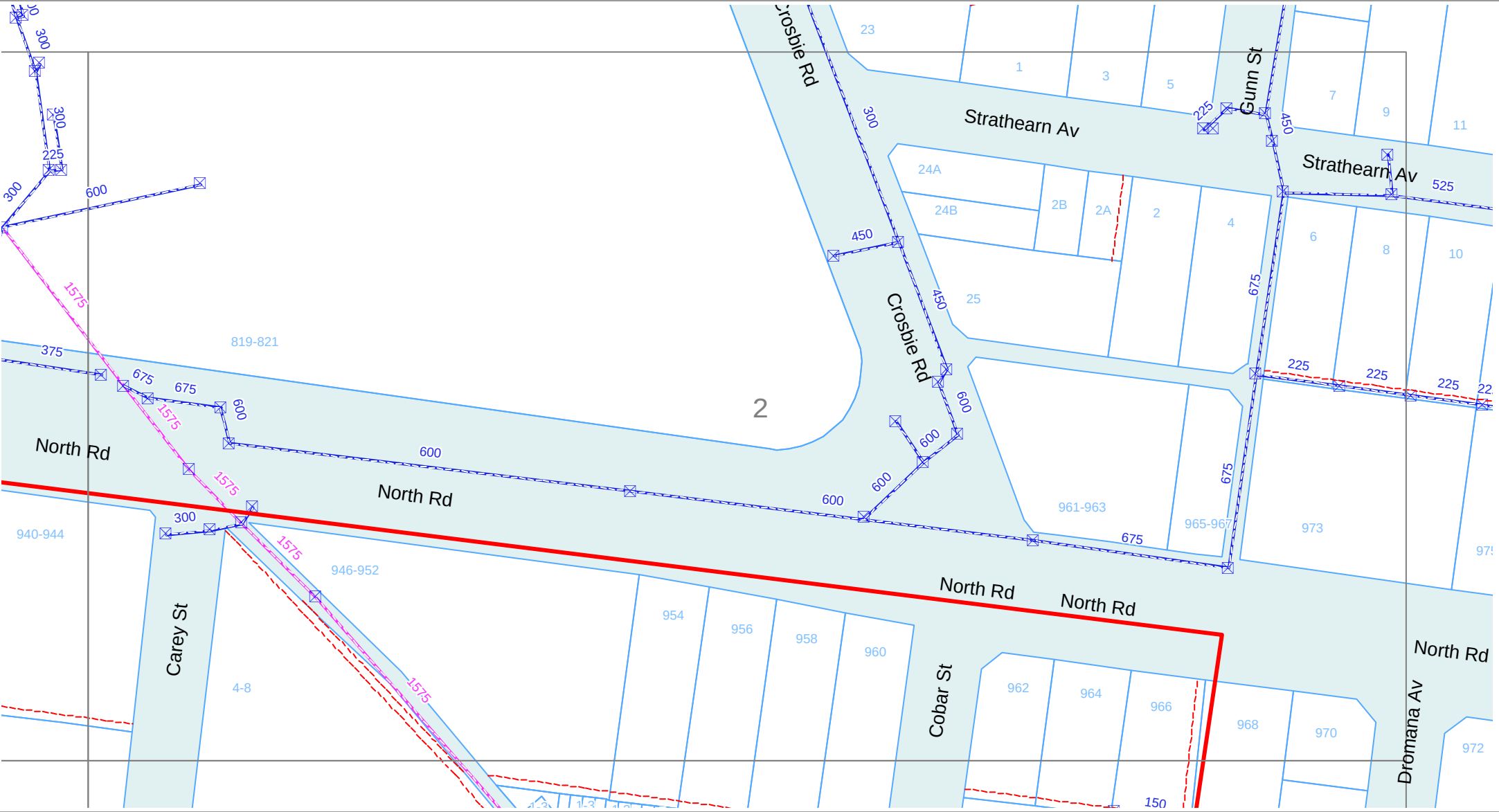


Aboriginal Cultural



Property

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Legend | Scale: 1:1000



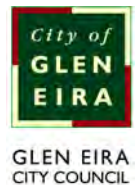
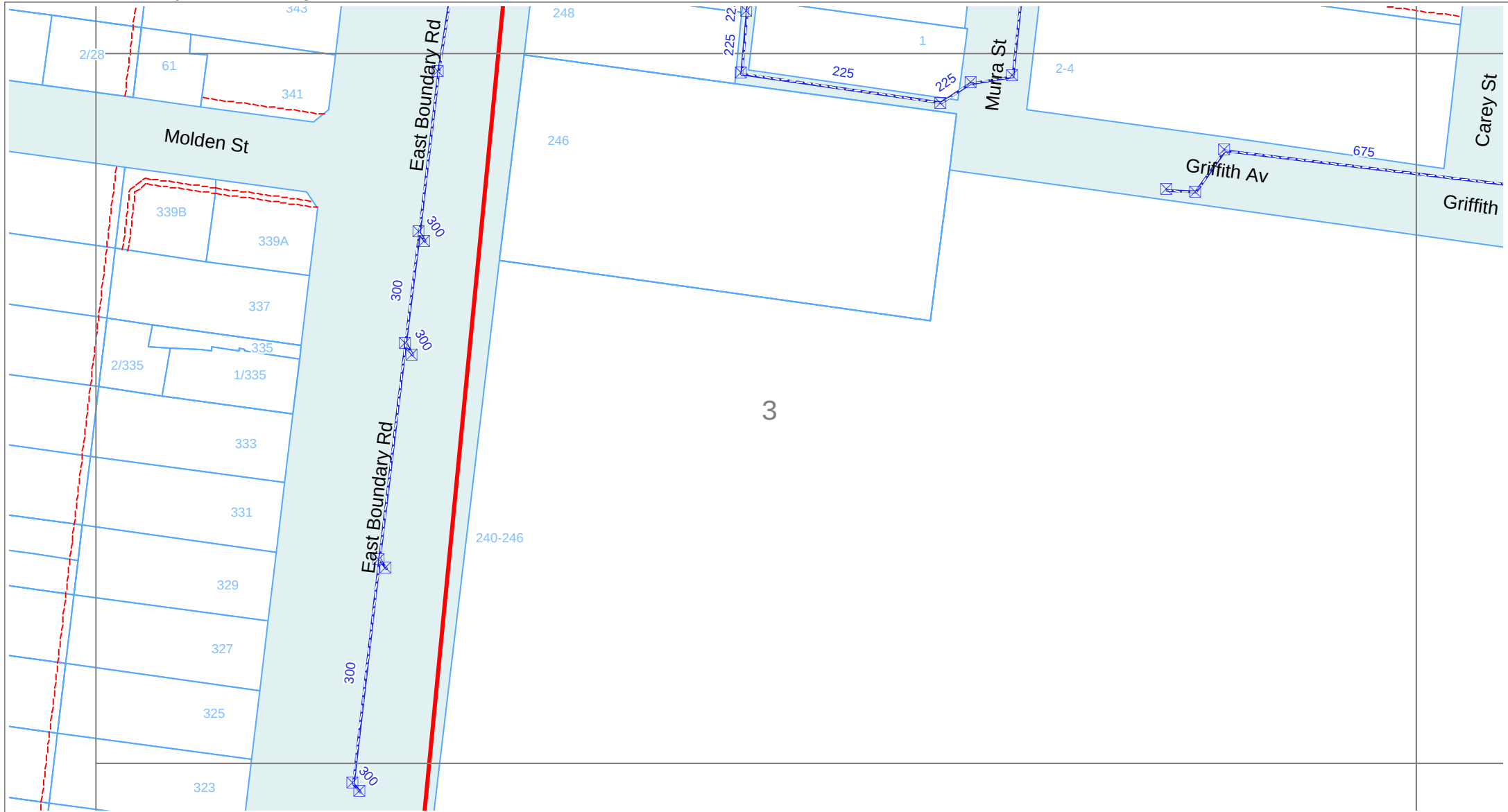
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| | Pits | | Easements | | Heritage |
| | Pipes - Glen Eira | | Railway | | Aboriginal Cultural |
| | Pipes - Melbourne Water | | Tramway | | Property |

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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



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- Pipes - Melbourne Water

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- Railway
- Tramway

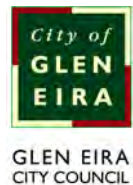
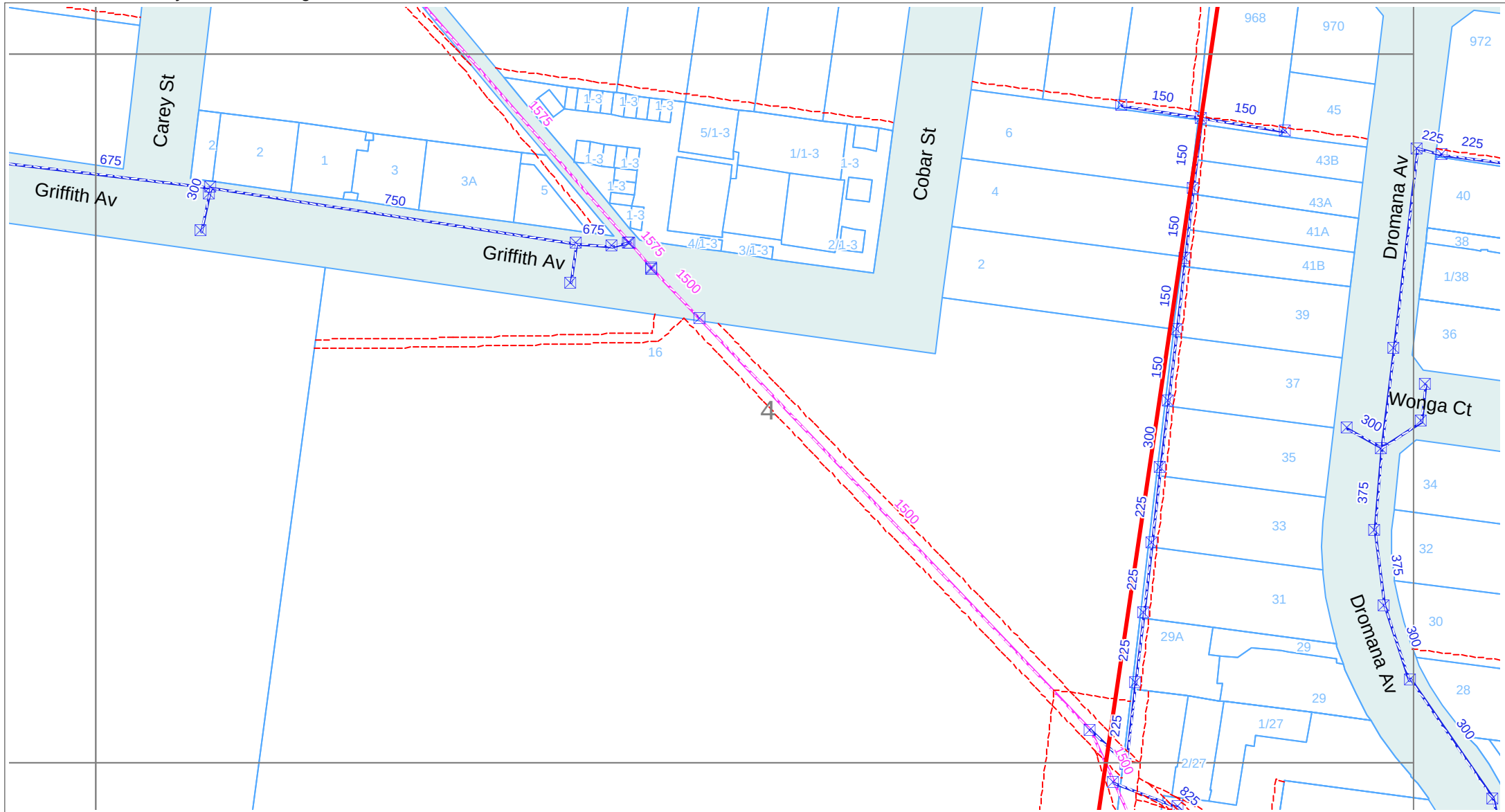
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- Property

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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



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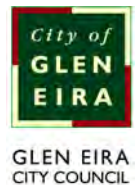
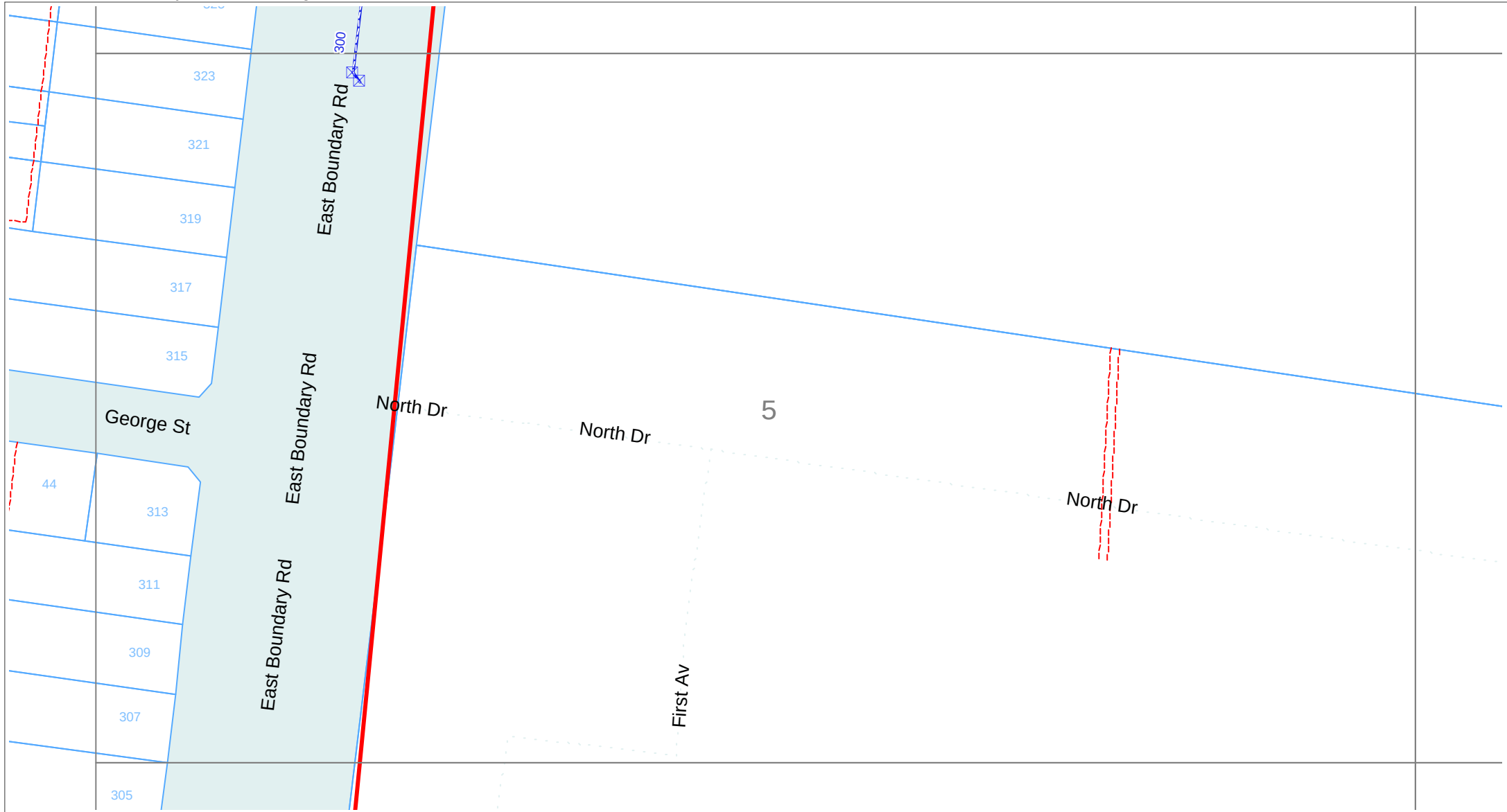
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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



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- Pipes - Melbourne Water

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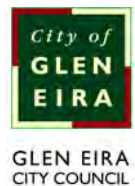
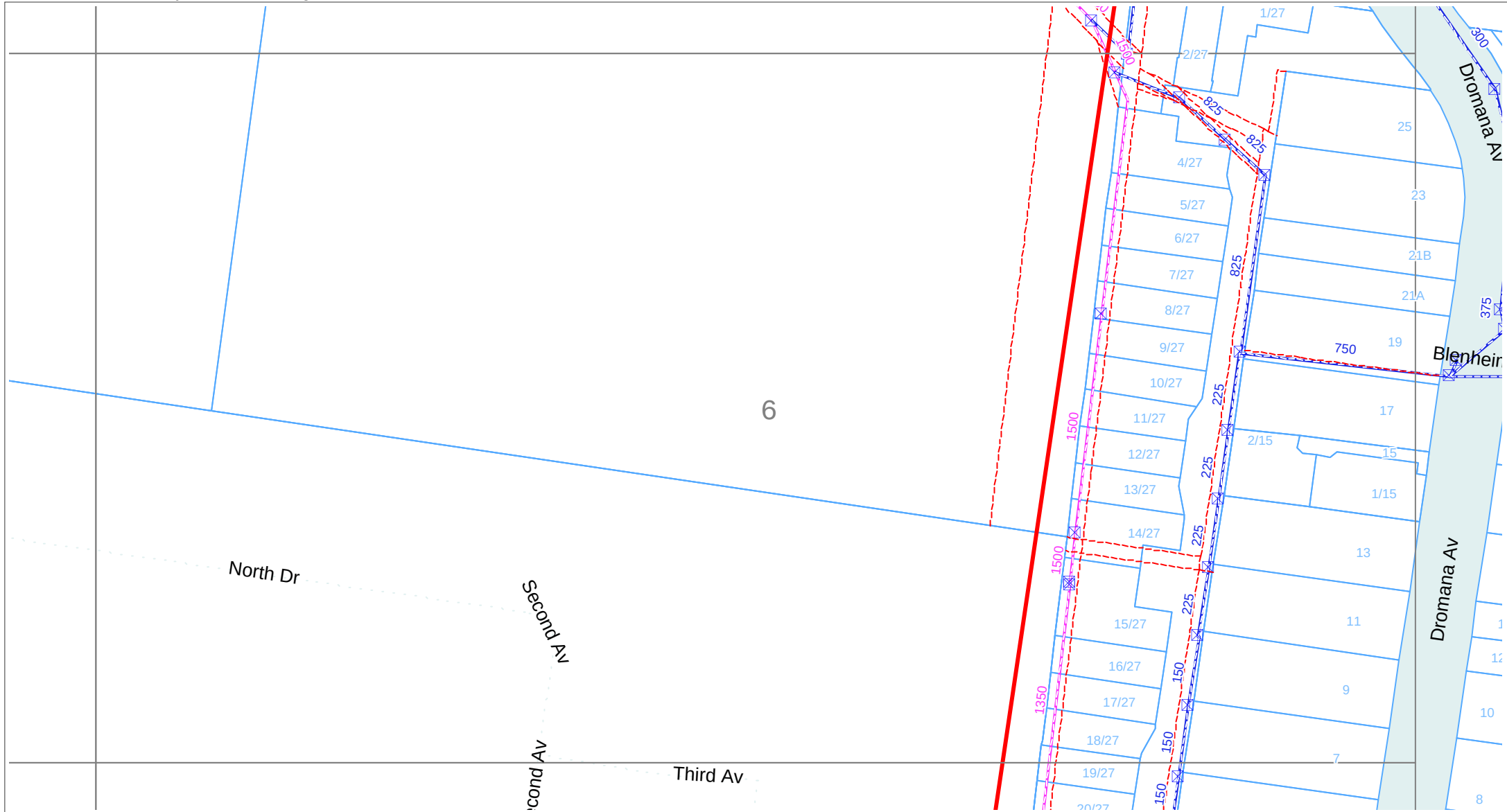
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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



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Legend | Scale: 1:1000



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Legend | Scale: 1:1000



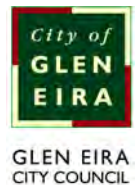
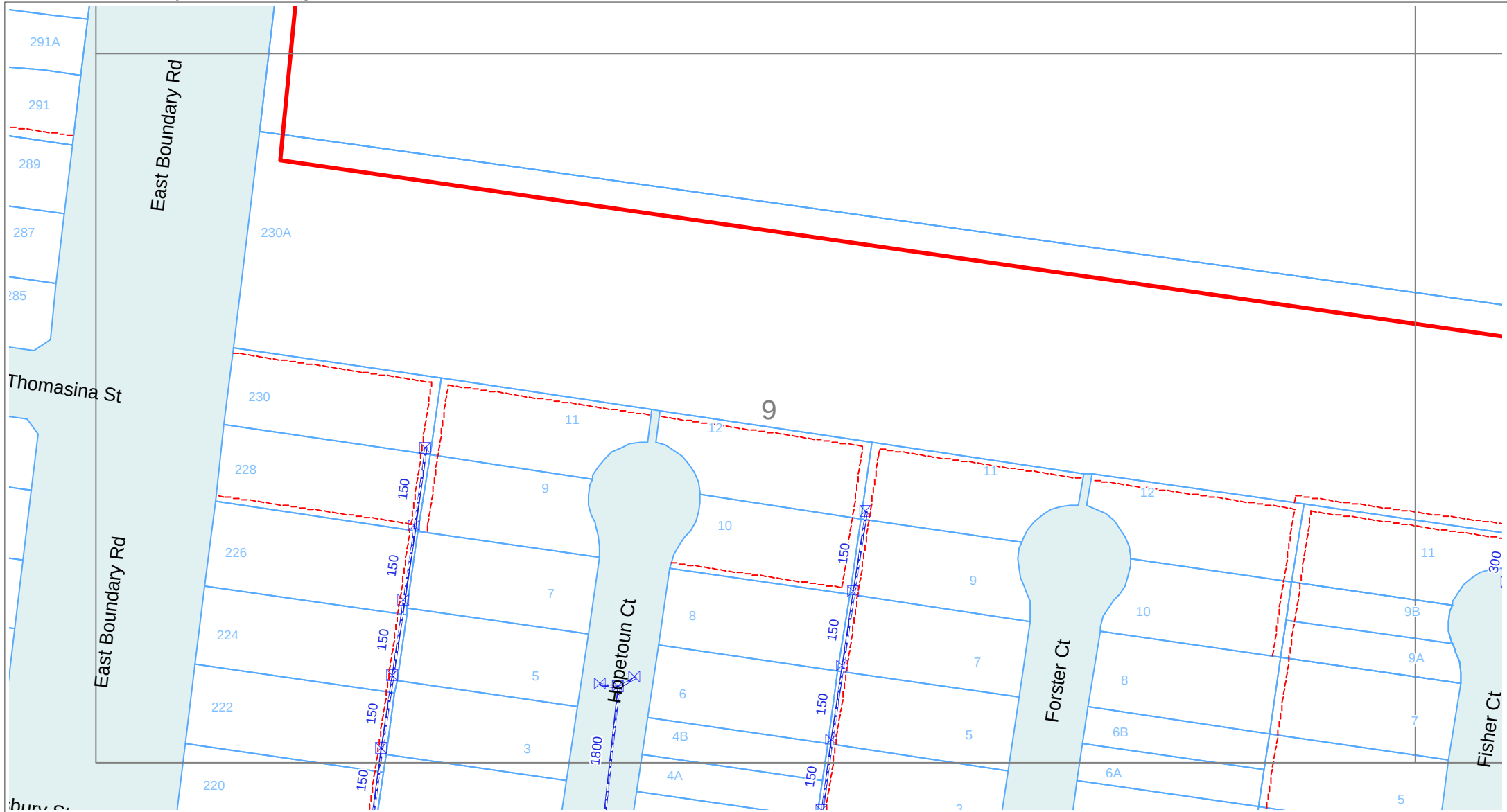
- | | | | | | |
|--|-------------------------|--|-----------|--|---------------------|
| | Pits | | Easements | | Heritage |
| | Pipes - Glen Eira | | Railway | | Aboriginal Cultural |
| | Pipes - Melbourne Water | | Tramway | | Property |

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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



- Pits
- Pipes - Glen Eira
- Pipes - Melbourne Water

- Easements
- Railway
- Tramway

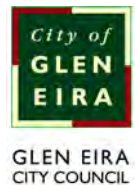
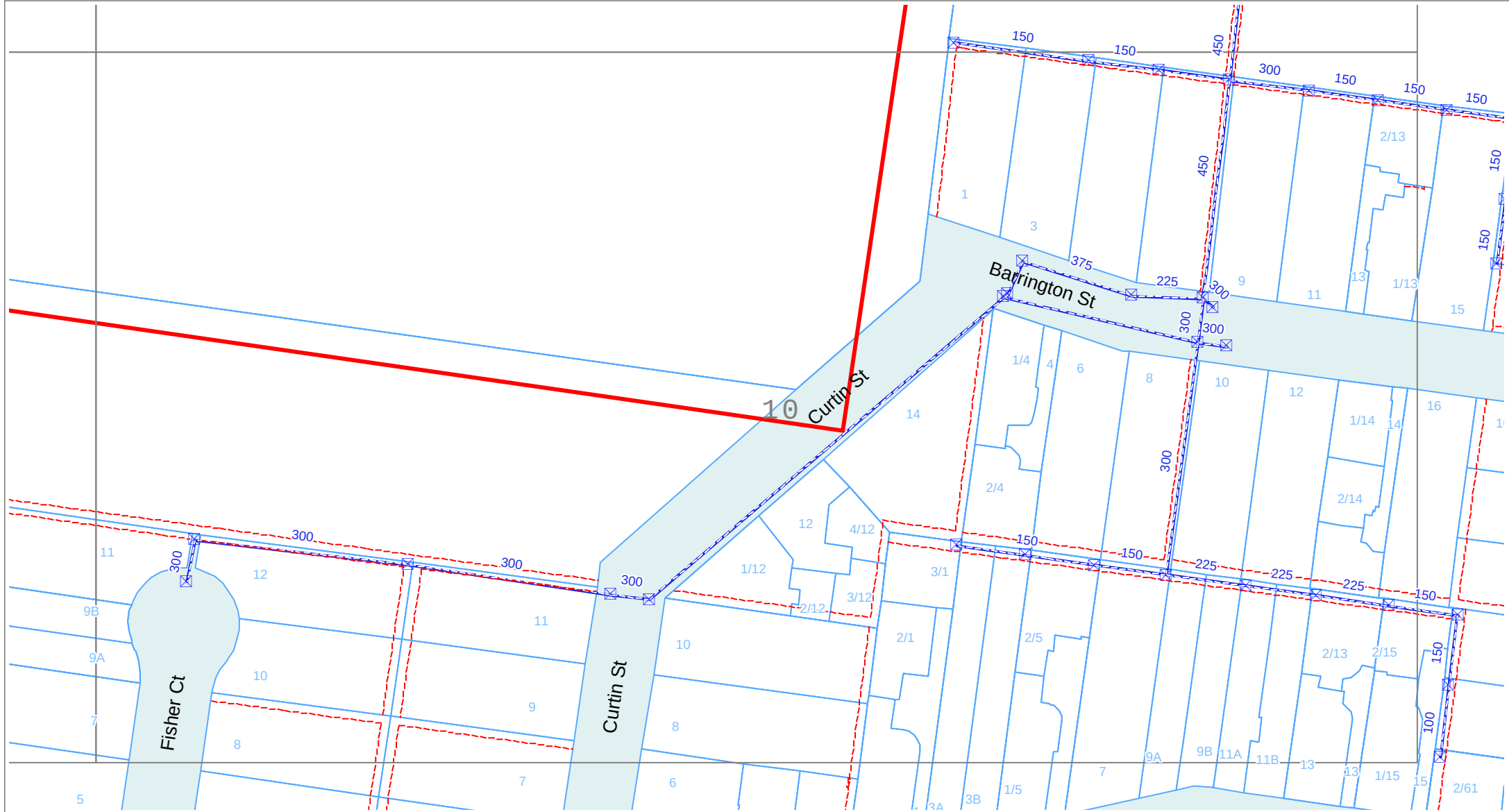
- Heritage
- Aboriginal Cultural
- Property

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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000

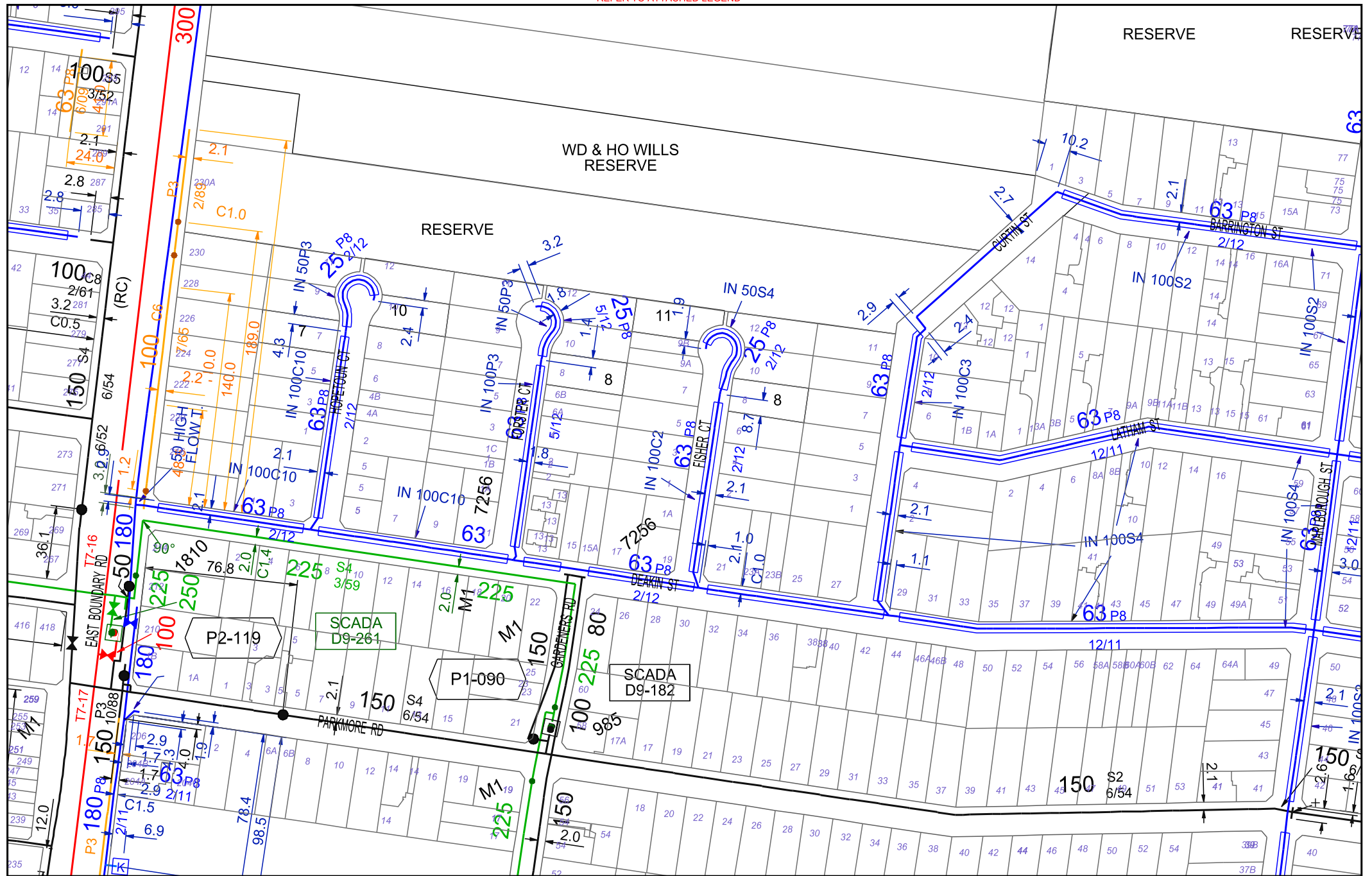


- Pits
- Pipes - Glen Eira
- Pipes - Melbourne Water

- Easements
- Railway
- Tramway

- Heritage
- Aboriginal Cultural
- Property

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LOW PRESSURE UP TO 7 kPa
MEDIUM PRESSURE 7 kPa - 200 kPa
HIGH PRESSURE 100 kPa - 515 kPa
TRANSMISSION PRESSURE IN EXCESS OF 515 kPa
ISOLATED MAINS
PROPOSED MAINS - WORK IN PROGRESS



NOTICES

MULTINET GAS HAS TAKEN CARE TO ENSURE THAT THE LOCATIONS OF GAS MAINS SHOWN ON THIS PLAN ARE ACCURATE. HOWEVER, SOME VARIATIONS FROM RECORDS TO EXIST AND COMPLETE ACCURACY CANNOT BE GUARANTEED.

IN ALL INSTANCES IT IS ESSENTIAL THAT THE POSITION OF PIPES CONCERNED BE PROVIDED BY HAND EXCAVATION.

NETWORK PRESSURES DO NOT INDICATE AVAILABLE METERING PRESSURES. PLEASE CONTACT YOUR RETAILER TO CONFIRM AVAILABLE METERING PRESSURES

NOTICE IS HEREBY GIVEN THAT IT IS AN OFFENCE TO DAMAGE GAS COMPANY PROPERTY. (GAS INDUSTRY ACT 1994, SECTION 56)

SCALE: 1:2500

-DIMENSIONS ARE IN METRES
-PIPE SIZES ARE IN MILLIMETRES

DIAL BEFORE YOU DIG 1100

DBYD Sequence Number: 67992269

MELWAYS REF : 68 K11

DATE OF ISSUE : 25/01/2018

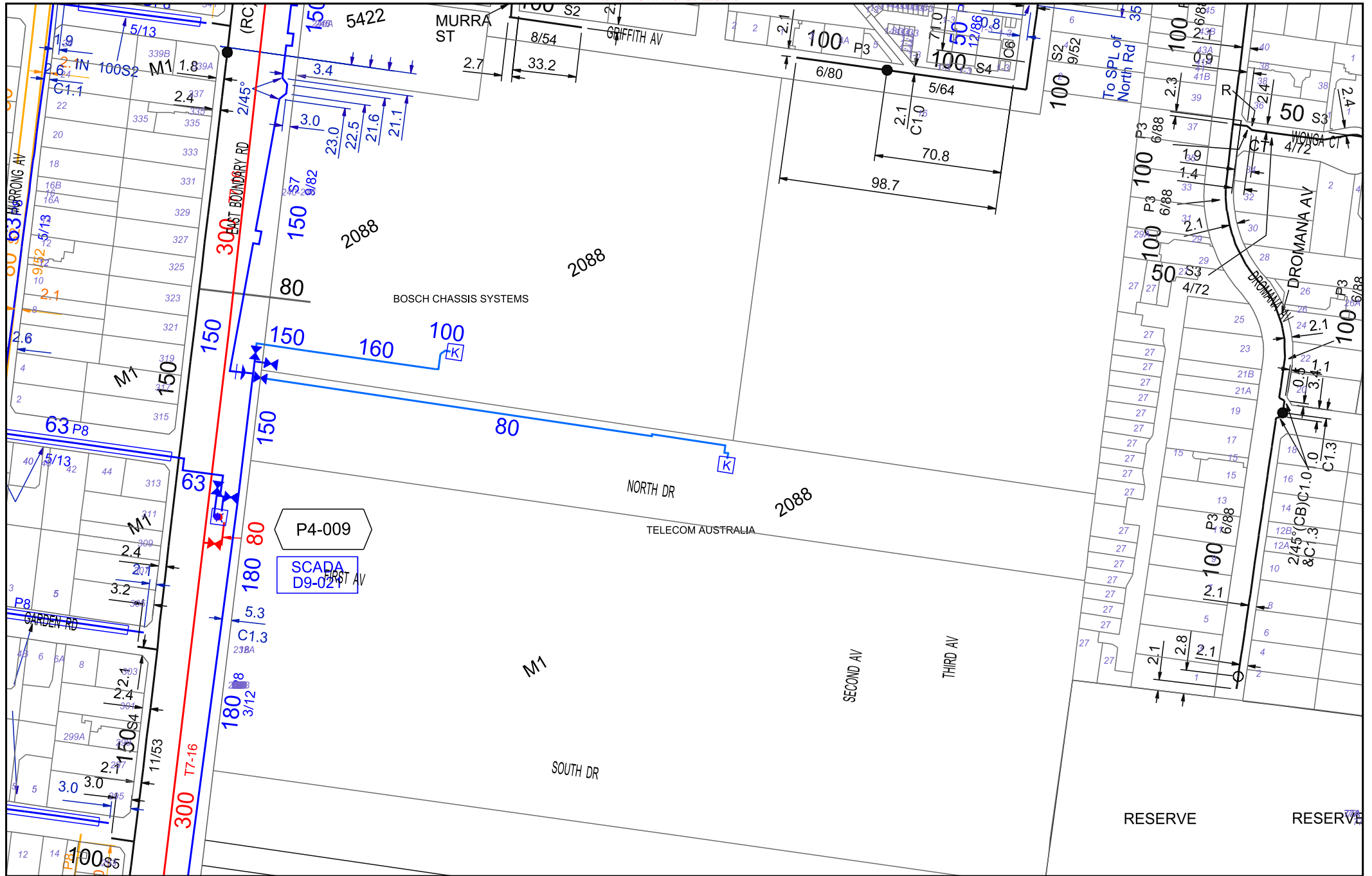
FURTHER ASSISTANCE MAY BE OBTAINED IF NECESSARY. SEE COVER LETTER FOR CONTACT DETAILS

THIS PLAN MUST BE PRINTED IN COLOUR IN ORDER TO PROTECT THE INTEGRITY OF THE INFORMATION

THIS INFORMATION IS VALID FOR 28 DAYS FROM THE DATE OF ISSUE



MULTINET GAS
ABN 53 634 214 009



MULTINET GAS
ABN 53 634 214 009

LOW PRESSURE	UP TO 7 kPa
MEDIUM PRESSURE	7 kPa - 200 kPa
HIGH PRESSURE	100 kPa - 515 kPa
TRANSMISSION PRESSURE IN EXCESS OF 515 kPa	
ISOLATED MAINS	
PROPOSED MAINS - WORK IN PROGRESS	

NOTICES

MULTINET GAS HAS TAKEN CARE TO ENSURE THAT THE LOCATIONS OF GAS MAINS SHOWN ON THIS PLAN ARE ACCURATE. HOWEVER, SOME VARIATIONS FROM RECORDS DO EXIST AND COMPLETE ACCURACY CANNOT BE GUARANTEED.

IN ALL INSTANCES IT IS ESSENTIAL THAT THE POSITION OF PIPES CONCERNED BE PROVED BY HAND EXCAVATION.

NETWORK PRESSURES DO NOT INDICATE AVAILABLE
METERING PRESSURES. PLEASE CONTACT YOUR
RETAILER TO CONFIRM AVAILABLE METERING
PRESSURES

-:DIMENSIONS ARE IN METRES
-:PIPE SIZES ARE IN MILLIMETRES

NOTICE IS HEARBY GIVEN THAT IT IS AN OFFENCE
TO DAMAGE GAS COMPANY PROPERTY. (GAS
INDUSTRY ACT 1994, SECTION 56)

DIAL BEFORE YOU DIG 1100



DBYD Sequence Number: 67992269

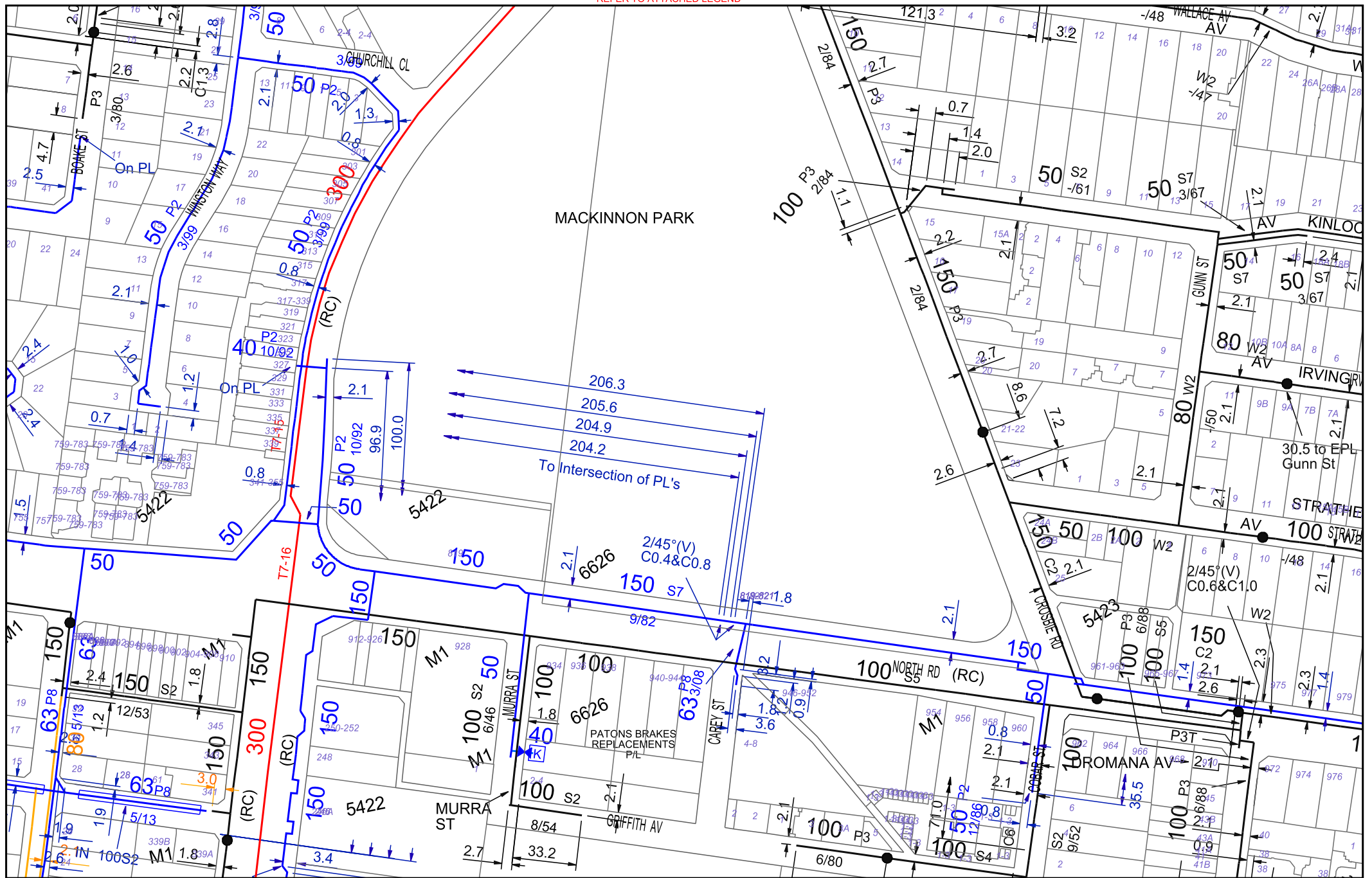
MELWAYS REF : 68 K10

DATE OF ISSUE : 25/01/2018

FURTHER ASSISTANCE MAY BE OBTAINED
IF NECESSARY: SEE COVER LETTER FOR CONTACT DETAILS

THIS PLAN MUST BE PRINTED IN COLOUR IN ORDER
TO PROTECT THE INTEGRITY OF THE INFORMATION

THIS INFORMATION IS VALID FOR
28 DAYS FROM THE DATE OF ISSUE



LOW PRESSURE UP TO 7 kPa
 MEDIUM PRESSURE 7 kPa - 200 kPa
 HIGH PRESSURE 100 kPa - 515 kPa
 TRANSMISSION PRESSURE IN EXCESS OF 515 kPa
 ISOLATED MAINS
 PROPOSED MAINS - WORK IN PROGRESS

NOTICES

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NOTICE IS HEREBY GIVEN THAT IT IS AN OFFENCE TO DAMAGE GAS COMPANY PROPERTY. (GAS INDUSTRY ACT 1994, SECTION 56)

0m 40m 80m 120m 160m
 SCALE: 1:2500

-DIMENSIONS ARE IN METRES
 -PIPE SIZES ARE IN MILLIMETRES

DIAL BEFORE YOU DIG 1100

DBYD Sequence Number: 67992269

MELWAYS REF : 68 K9

DATE OF ISSUE : 25/01/2018

FURTHER ASSISTANCE MAY BE OBTAINED IF NECESSARY: SEE COVER LETTER FOR CONTACT DETAILS

THIS PLAN MUST BE PRINTED IN COLOUR IN ORDER TO PROTECT THE INTEGRITY OF THE INFORMATION

THIS INFORMATION IS VALID FOR 28 DAYS FROM THE DATE OF ISSUE



MULTINET GAS
 ABN 53 634 214 009





WARNING

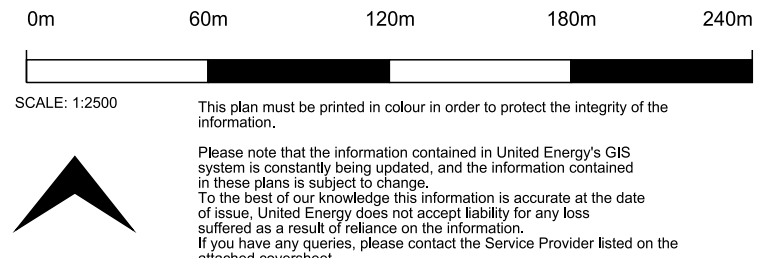
Please be advised this is an extract of United Energy Distribution assets.

This is a representation 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 & information on the attached information sheet.

This extract is subject to those conditions.

NOTE: The information contained on this plan is only valid for 28 days from the date of issue.



This plan must be printed in colour in order to protect the integrity of the information.

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To the best of our knowledge this information is accurate at the date of issue, United Energy does not accept liability for any loss suffered as a result of reliance on the information.

If you have any queries, please contact the Service Provider listed on the attached coversheet.

Legend

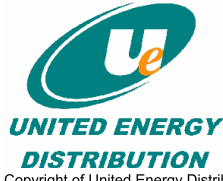
- Electrical [Electricity]
- HV Cable Head, 11kV Location
- HV UG Cable, 11kV Location
- HV UG Cable, abandoned Location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Street Lighting Location - Valid

MELWAY REF : 68 K11

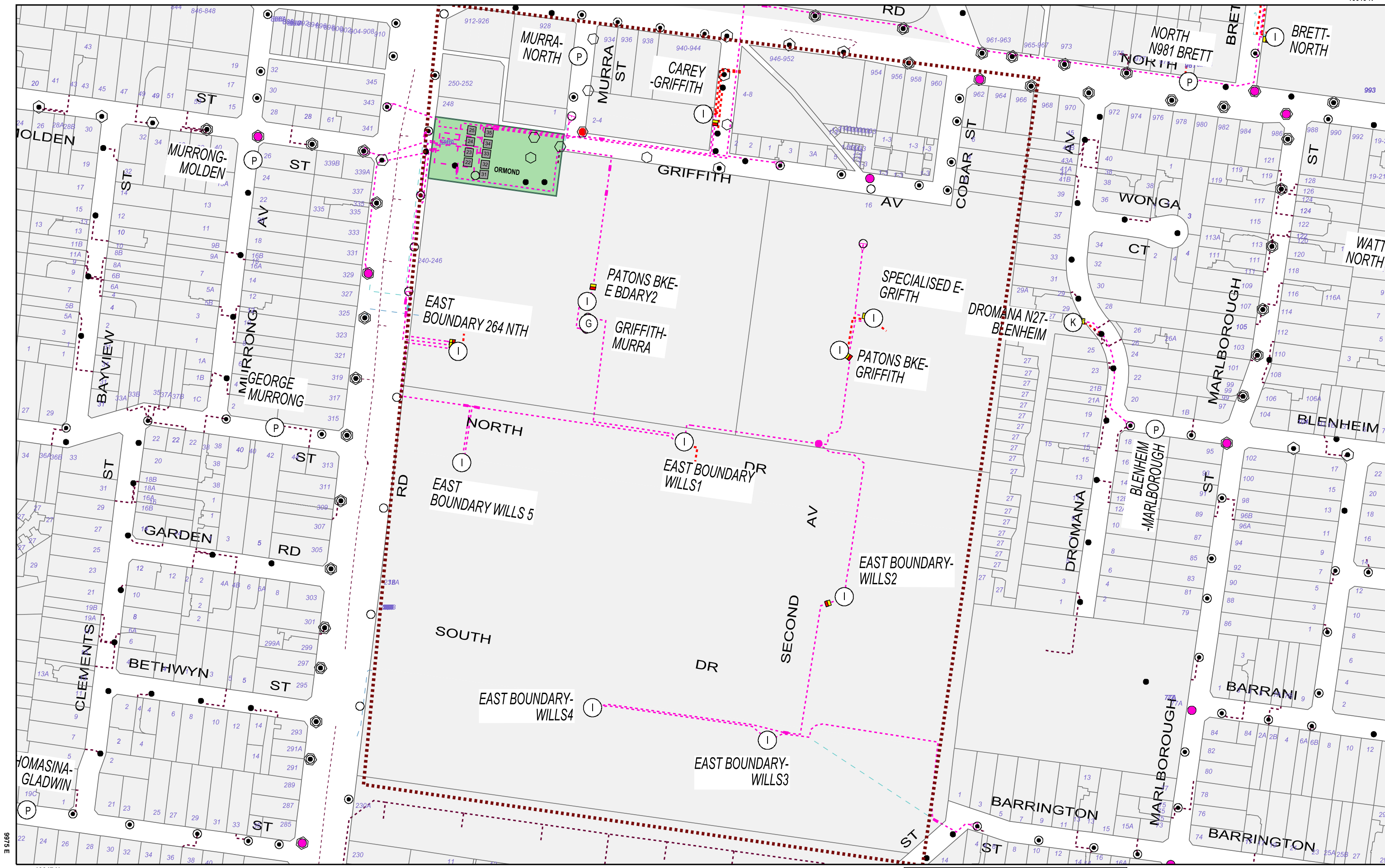
ISSUE DATE : 25/01/2018

DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.02



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Please read all conditions & information on the attached information sheet.

This extract is subject to those conditions.

NOTE: The information contained on this plan is only valid for 28 days from the date of issue.

0m 60m 120m 180m 240m

SCALE: 1:2500

This plan must be printed in colour in order to protect the integrity of the information.

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To the best of our knowledge this information is accurate at the date of issue, United Energy does not accept liability for any loss suffered as a result of reliance on the information.

If you have any queries, please contact the Service Provider listed on the attached coversheet.

Legend

Electrical [Electricity]

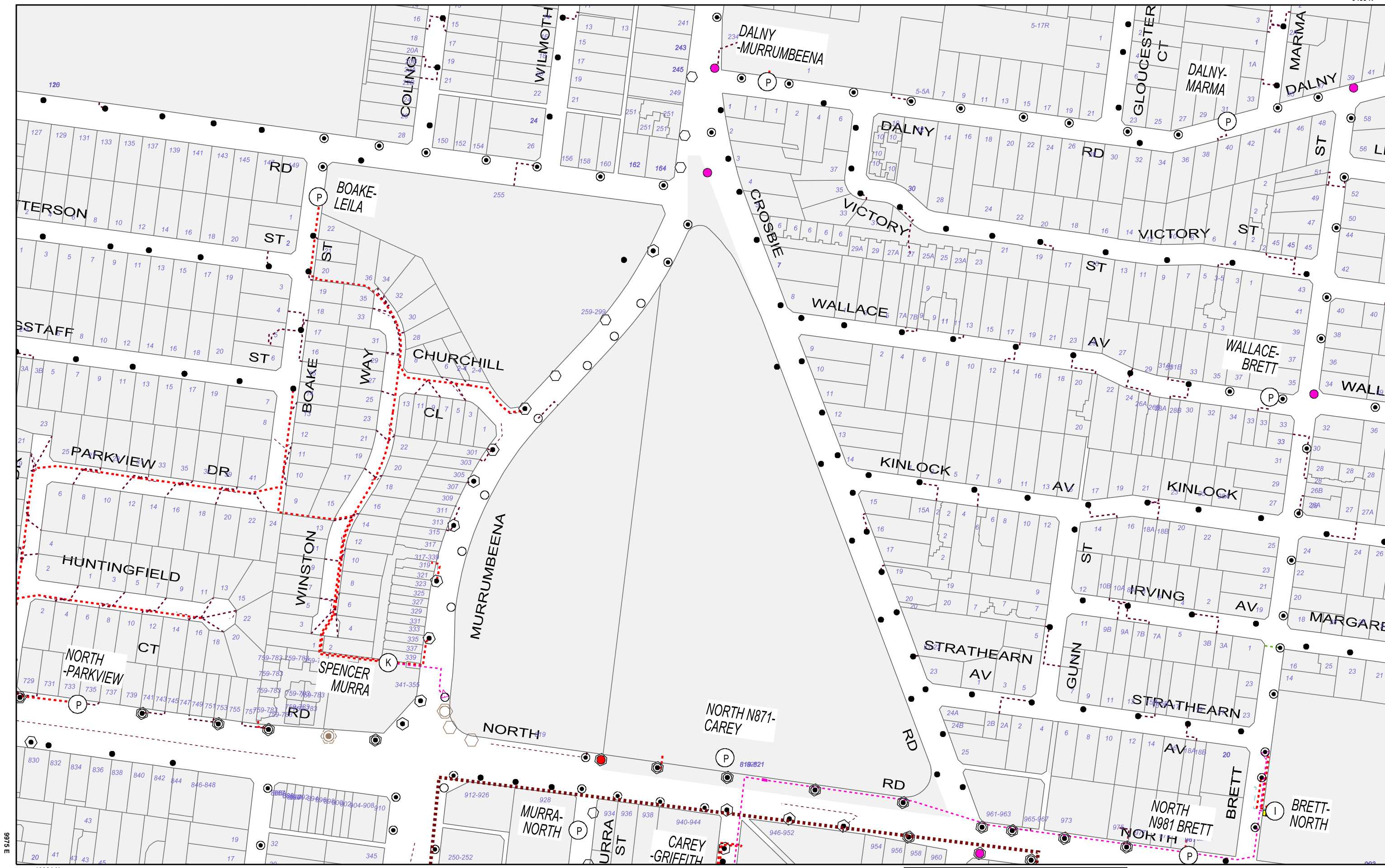
- HV Cable Head, 11kV location
- HV UG Cable, 11kV location
- HV UG Cable, abandoned location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Street Lighting Location - Valid
- Stn Cable, Location 11kV - in service

MELWAY REF : 68 K10

ISSUE DATE : 25/01/2018

DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.02





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0m 60m 120m 180m 240m

SCALE: 1:2500

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Legend

Electrical [Electricity]

- HV Cable Head, 11kV Location
- HV UG Cable, 11kV Location
- HV UG Cable, abandoned Location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Service Location - Automatically Inserted
- LV UG Cable, Street Lighting Location - Valid

MELWAY REF : 68 K9

ISSUE DATE : 25/01/2018

DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.03



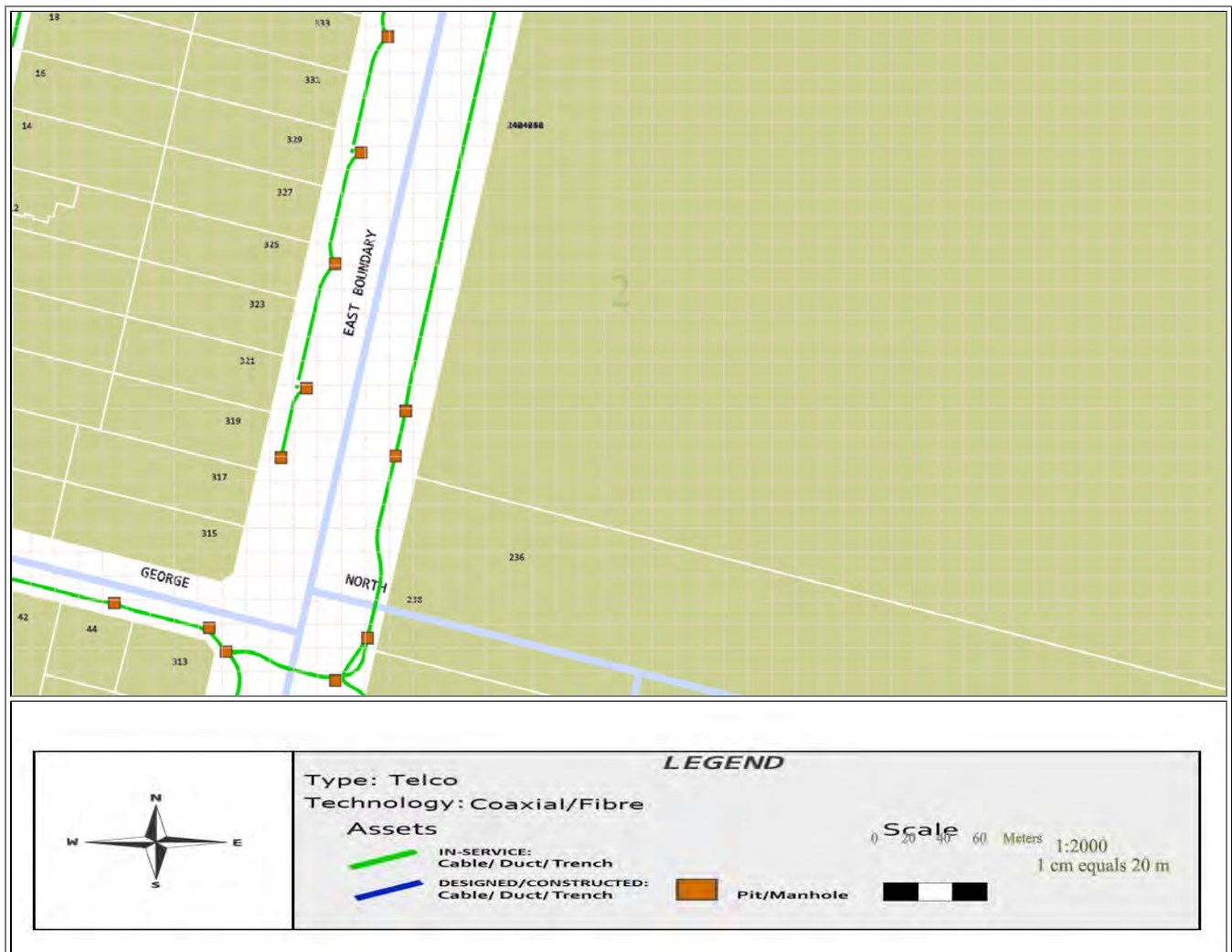
Indicative Plans

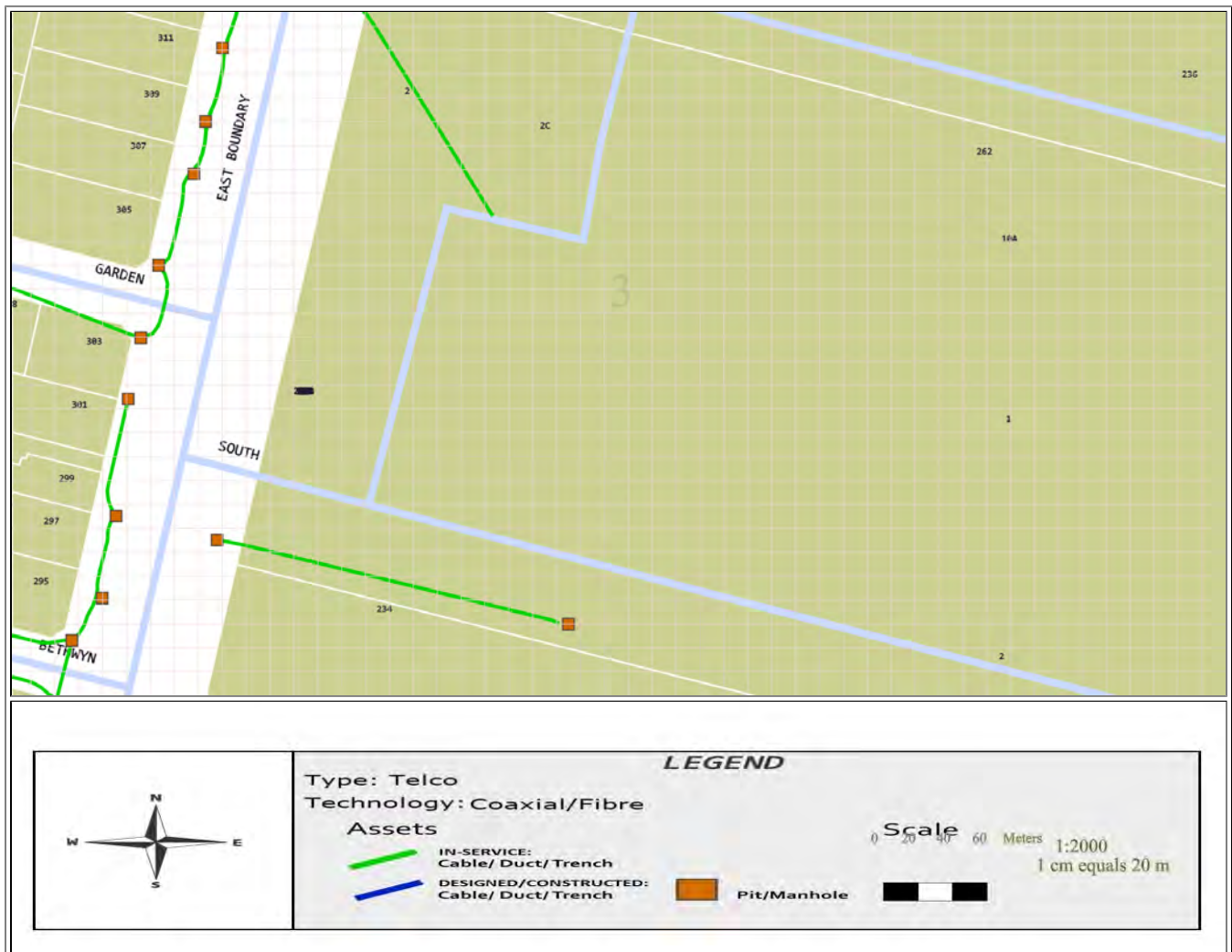
Issue Date:	25/01/2018	 DIAL BEFORE YOU DIG www.1100.com.au
Location:	E Boundary Road, Bentleigh East, VIC-3165	

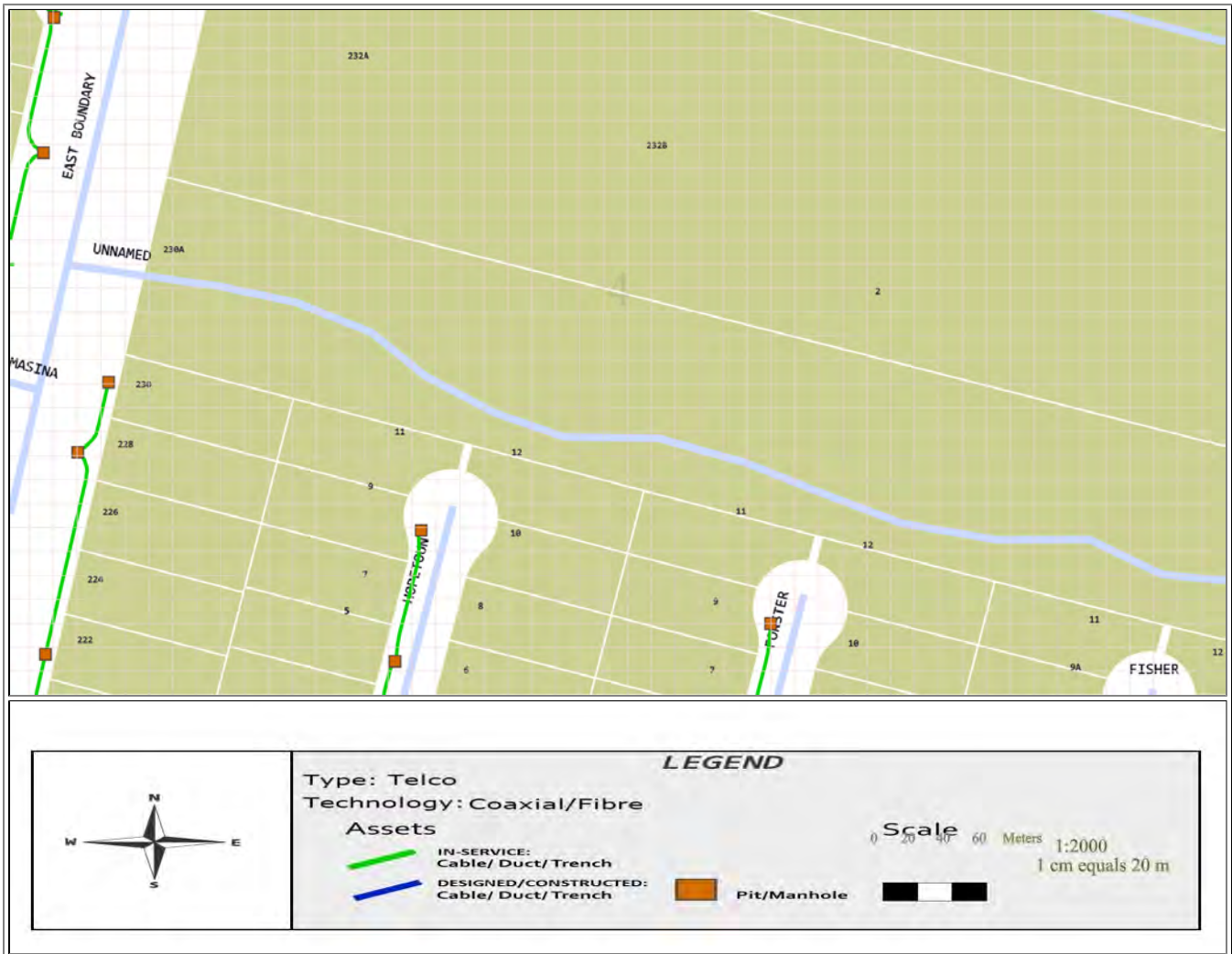
1	5
2	6
3	7
4	8

		LEGEND	
Type: Telco		Technology: Coaxial/Fibre	
Assets		Scale	
 IN-SERVICE: Cable/ Duct/ Trench		0 20 40 60 Meters 1:2000 1 cm equals 20 m	
 DESIGNED/CONSTRUCTED: Cable/ Duct/ Trench		 Pit/Manhole	

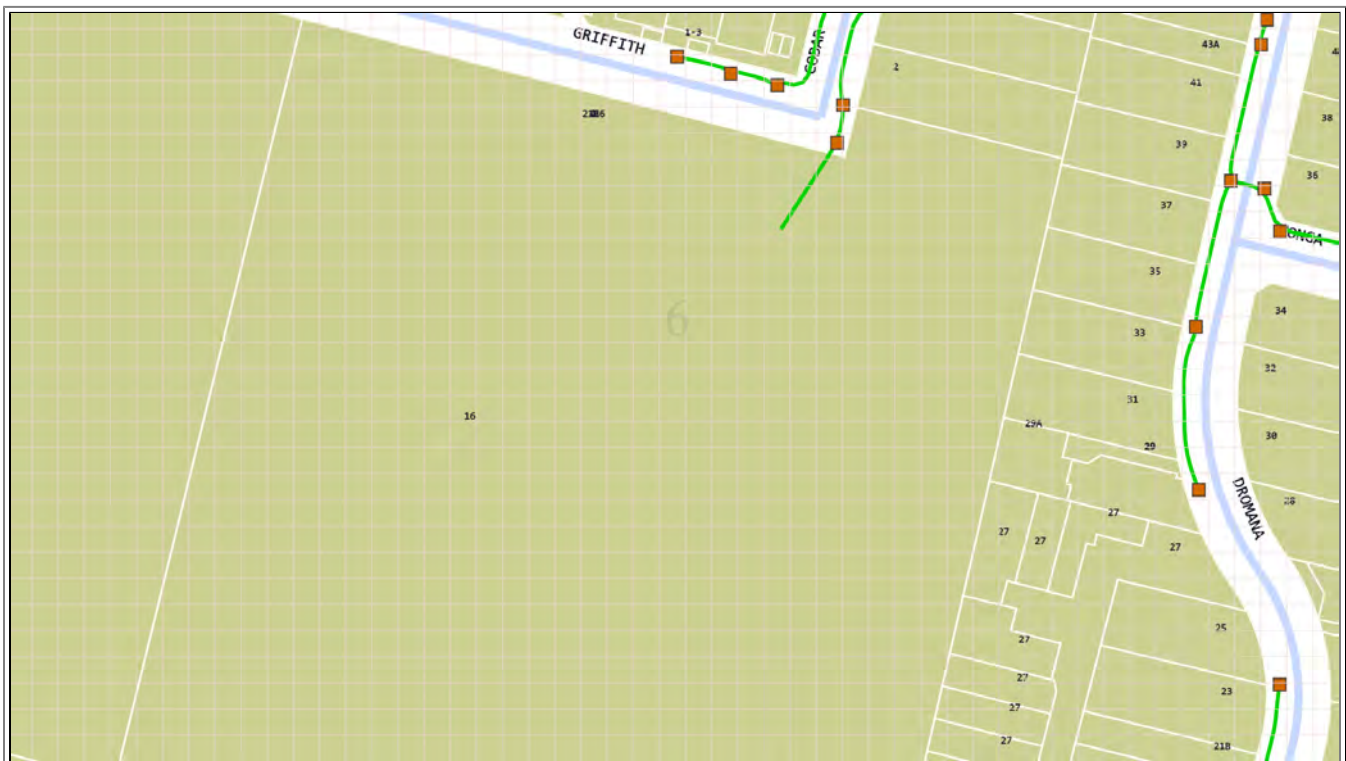




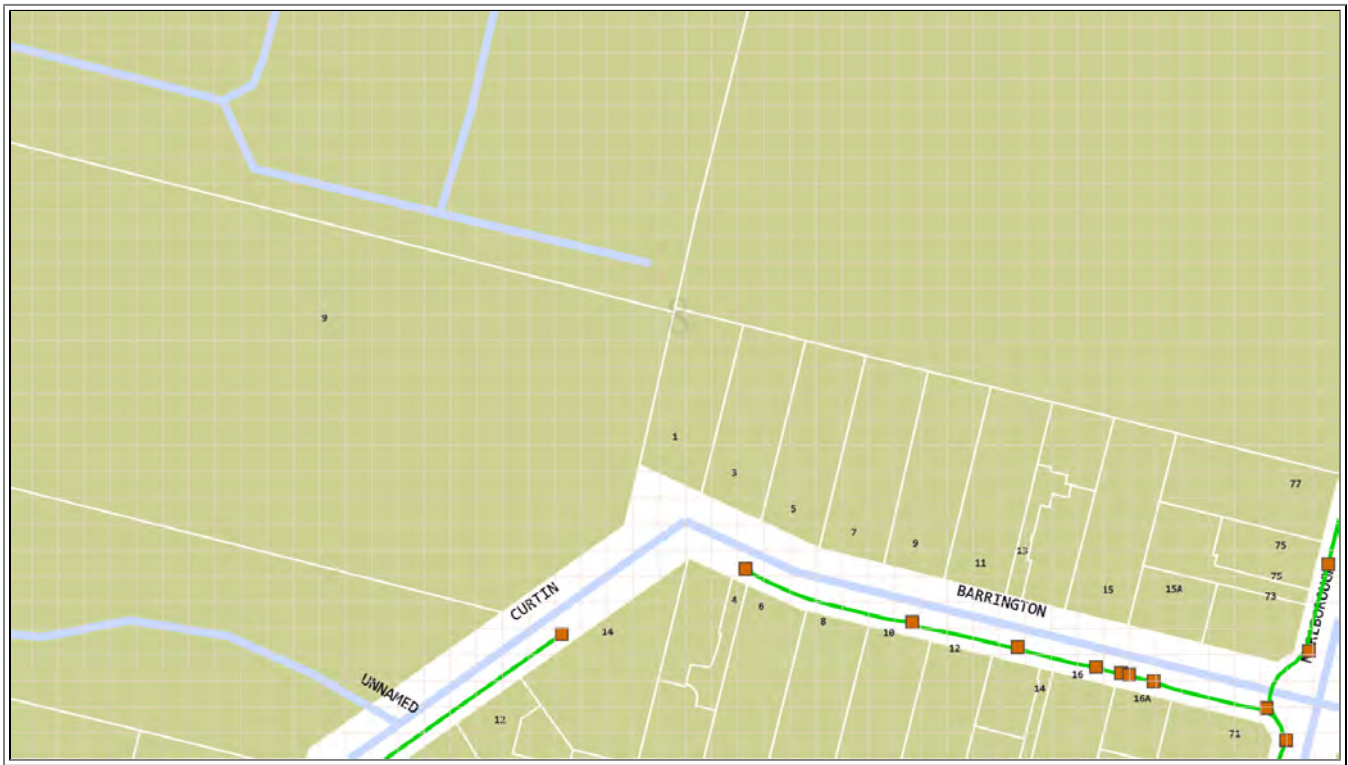












Emergency Contacts

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



Sequence Number: 67992265

Date: 25/01/2018

DISCLAIMER: THIS DRAWING SHOULD NOT BE SCALED TO LOCATE CABLES. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE. IF YOU REQUIRE INFORMATION REGARDING LOCATING THE CABLE PLEASE CALL NEXTGEN. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR DIAL BEFORE YOU DIG USE. THIS PLAN CONTAINS COMMERCIAL SENSITIVE INFORMATION AND IS TO BE TREATED ACCORDINGLY. NO SUCH INFORMATION IS TO BE PASSED ONTO OTHER PARTIES WITHOUT WRITTEN CONSENT FROM NEXTGEN PTY LTD.



LEGEND

Digsite	Assets
Point	Cable
Line	3rd Party Duct
Area	Marker Post



Sequence Number: 67992265

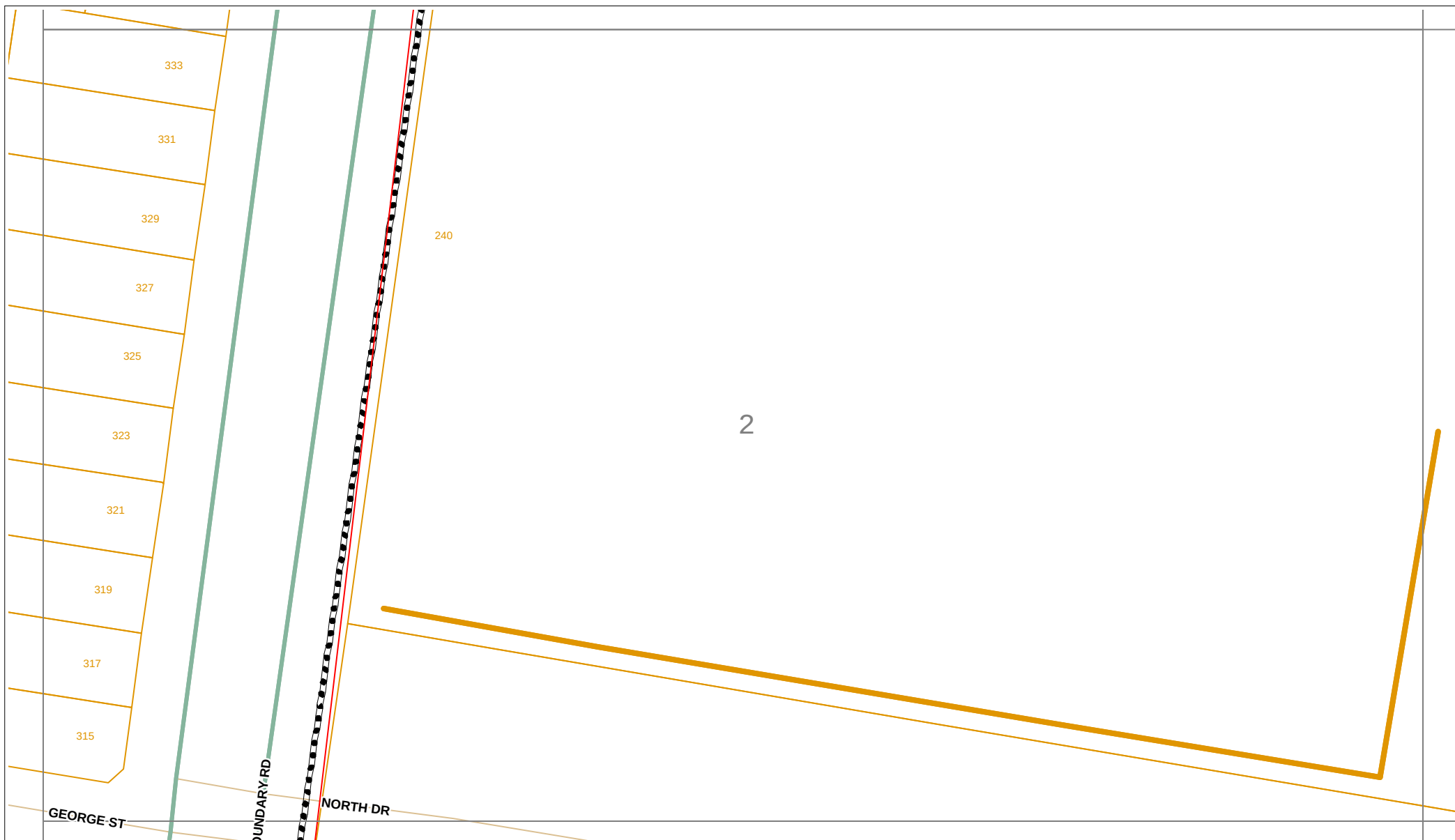
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LEGEND

Digsite	Assets
 Point	 Cable
 Line	 3rd Party Duct
 Area	 Marker Post



Sequence Number: 67992265

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LEGEND

Digsite		Assets	
	Point		Cable
	Line		3rd Party Duct
	Area		Marker Post



Sequence Number: 67992265

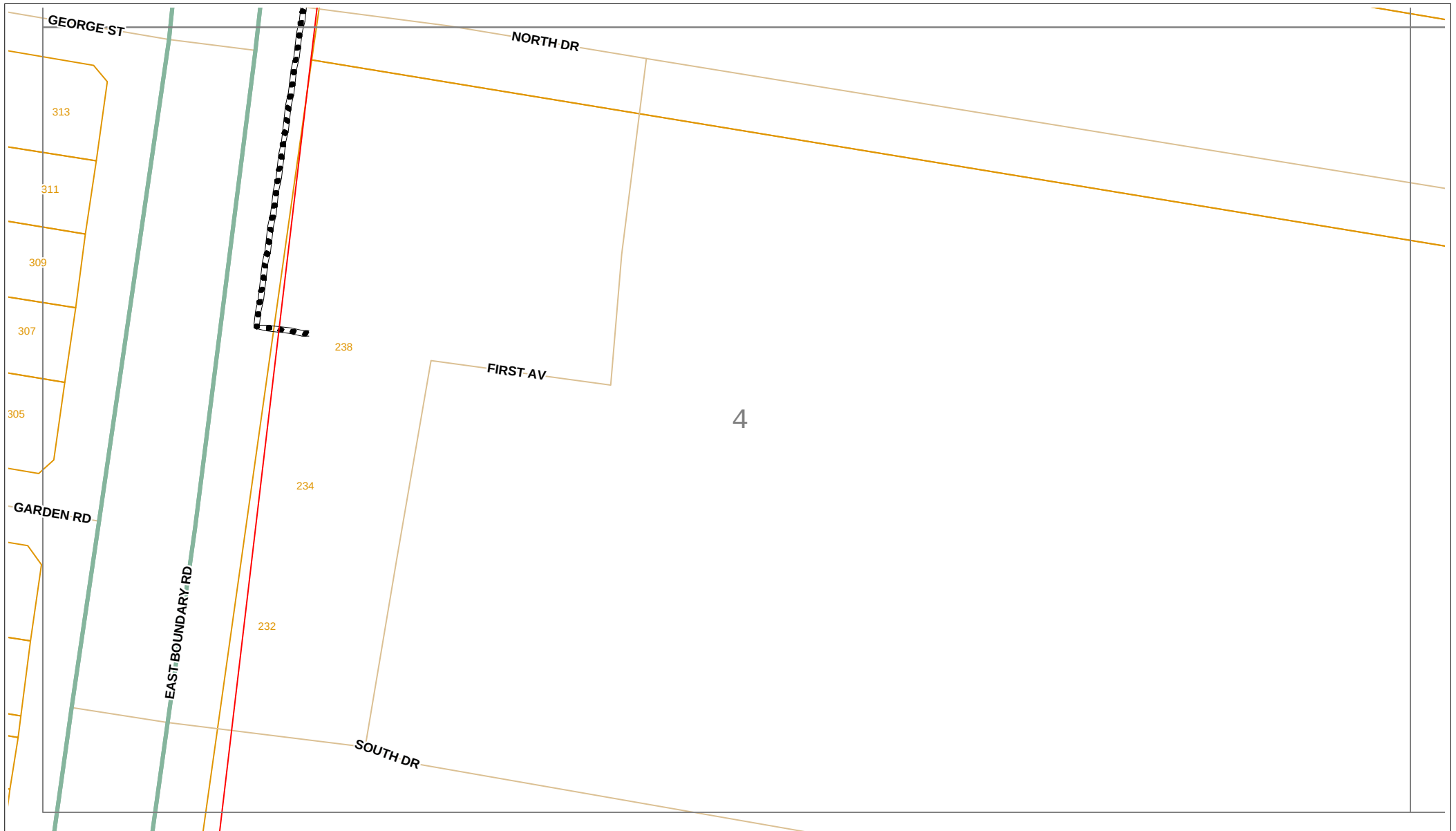
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LEGEND

Digsite		Assets	
	Point		Cable
	Line		3rd Party Duct
	Area		Marker Post



Sequence Number: 67992265

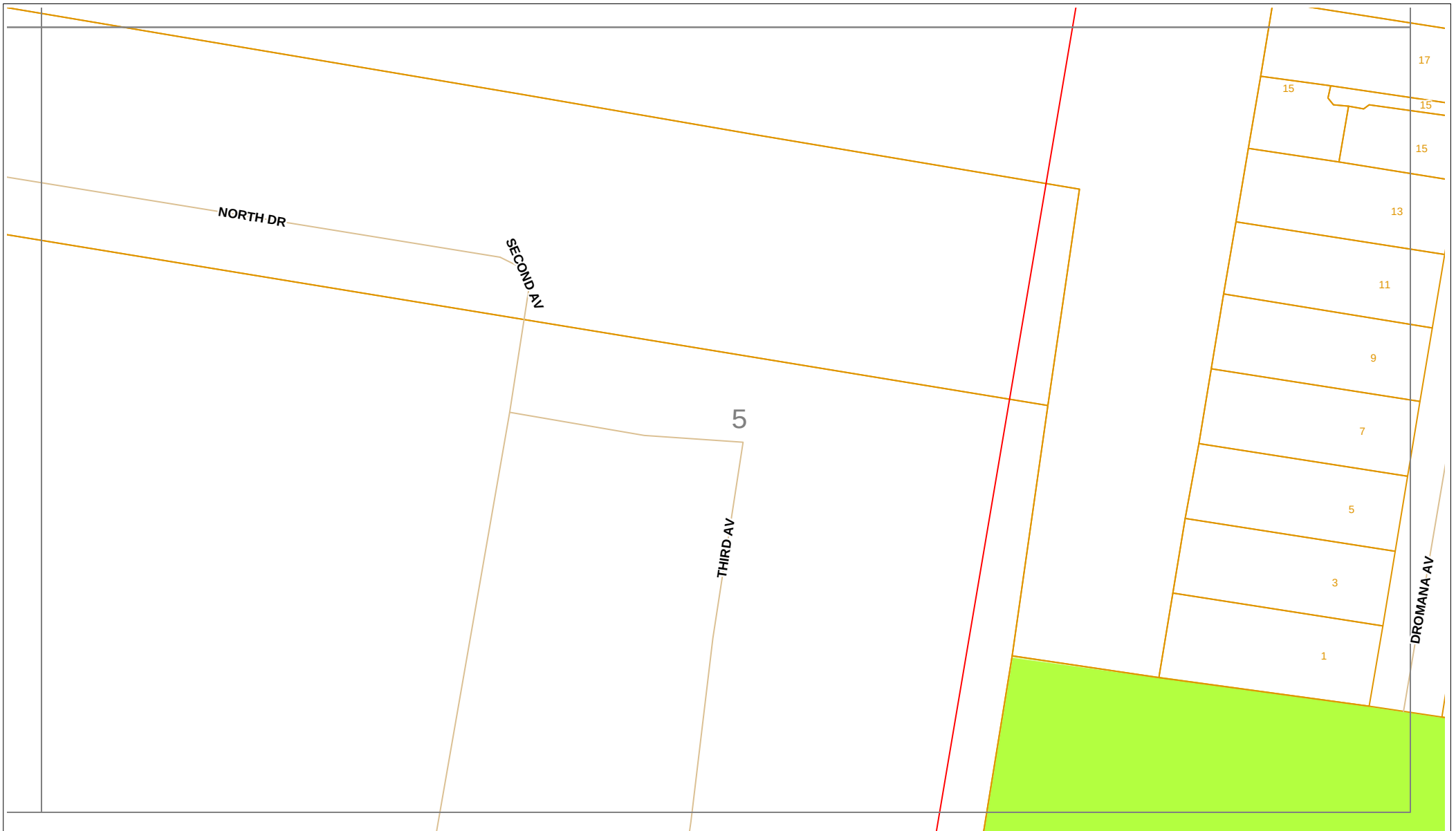
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LEGEND

Digsite	Assets
 Point	 Cable
 Line	 3rd Party Duct
 Area	 Marker Post



Sequence Number: 67992265

Date: 25/01/2018

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LEGEND

Digsite		Assets	
	Point		Cable
	Line		3rd Party Duct
	Area		Marker Post



Date: 25/01/2018



	Cable
	3rd Party Duct
	Marker Post



Sequence Number: 67992265

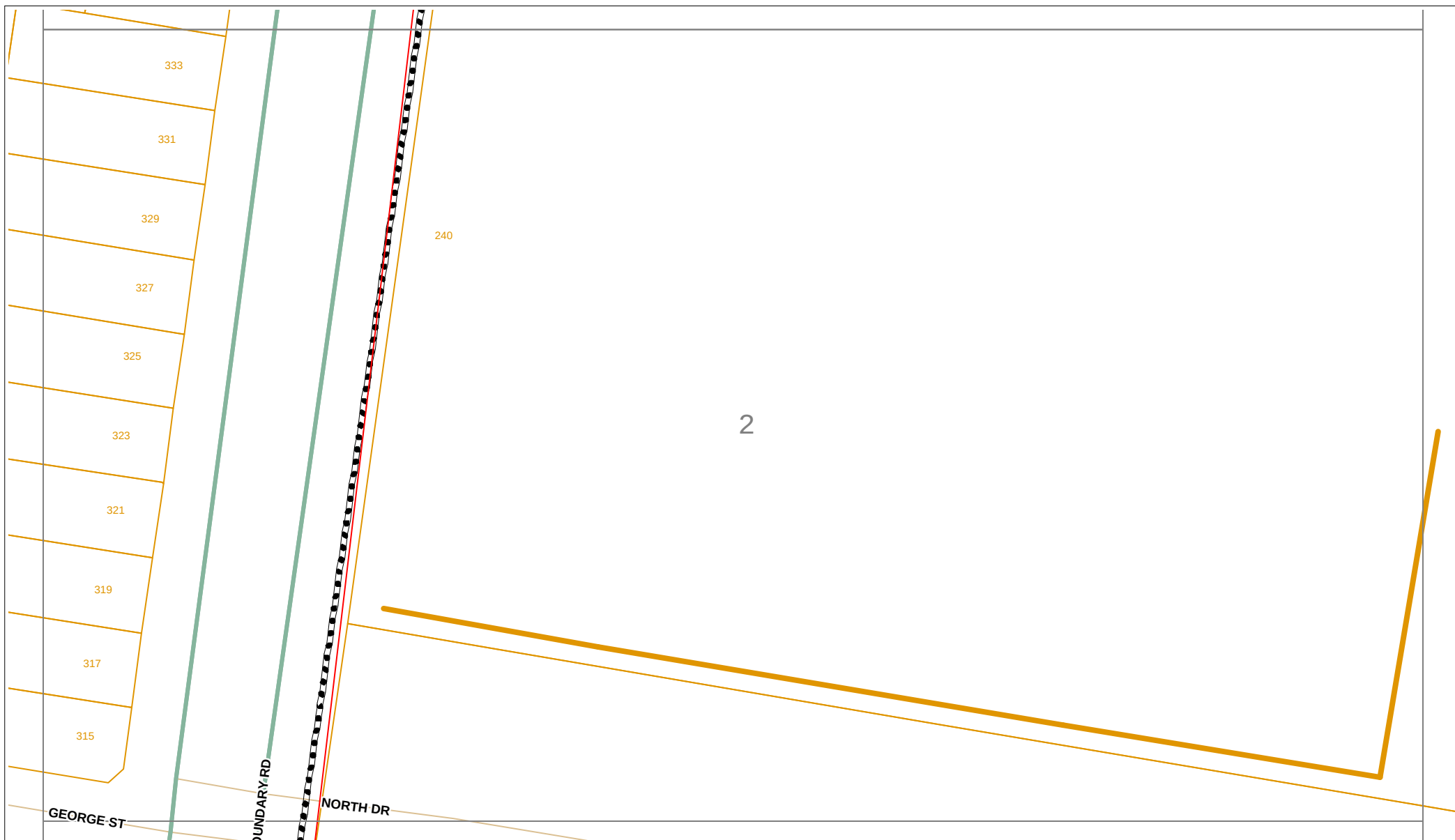
Date: 25/01/2018

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LEGEND

Digsite	Assets
 Point	 Cable
 Line	 3rd Party Duct
 Area	 Marker Post



Sequence Number: 67992265

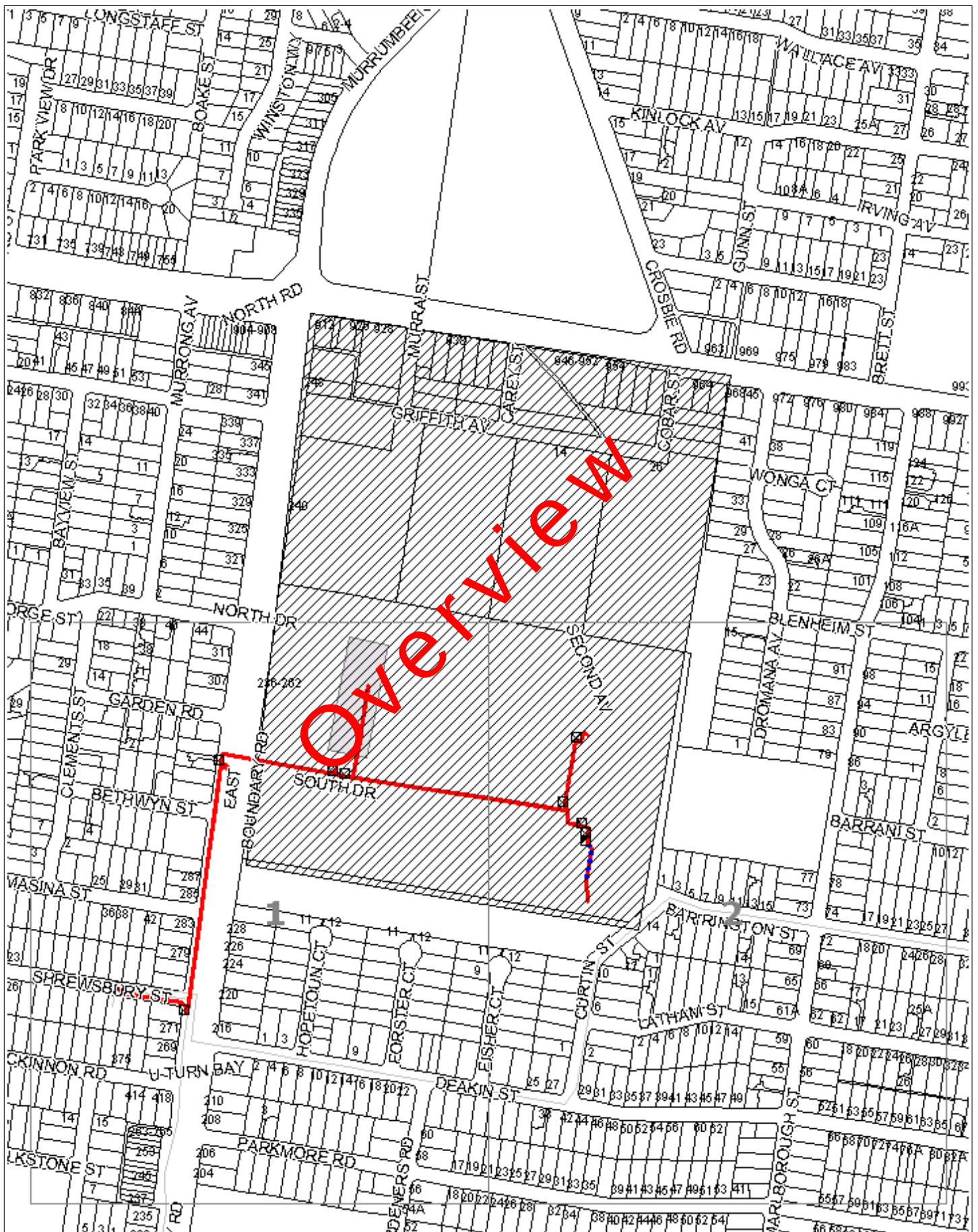
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LEGEND

Digsite		Assets	
	Point		Cable
	Line		3rd Party Duct
	Area		Marker Post



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Sequence Number: 67992268

Date Generated: 25/01/2018



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Email: Fibre.Locations@optus.net.au
For urgent onsite assistance contact 1800 505 777
Optus Limited ACN 052 833 208





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Sequence Number: 67992268

Date Generated: 25/01/2018



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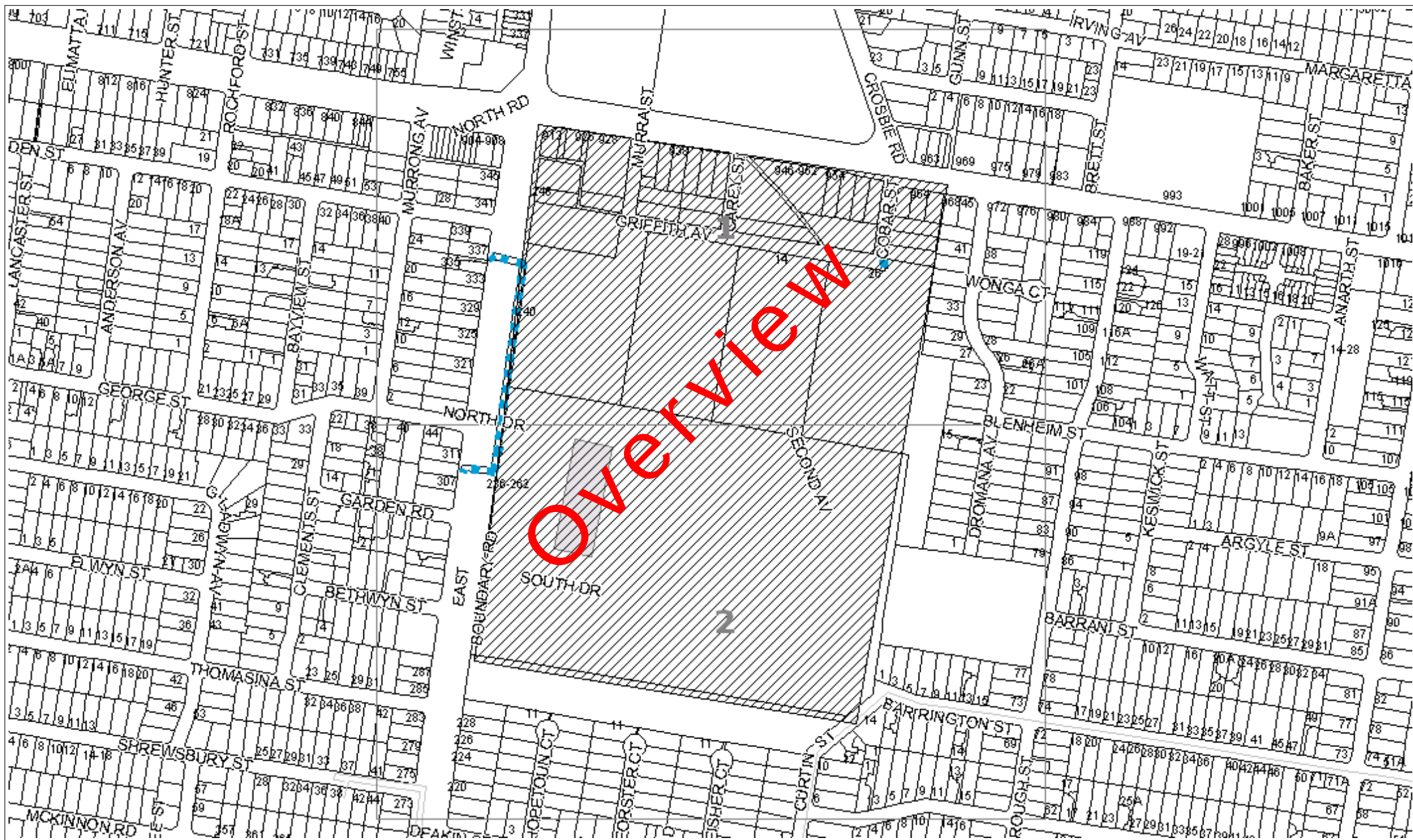
Sequence Number: 67992268

Date Generated: 25/01/2018



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Email: Fibre.Locations@optus.net.au
For urgent onsite assistance contact 1800 505 777
Optus Limited ACN 052 833 208





Uecomm

Cable Uecomm Underground

Scale: #INSERT MAP SCALE#

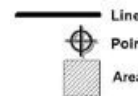
Printed On: 25/01/2018

Sequence Number: 67992268

Location: E Boundary Road



Job Location



Underground Asset



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Uecomm

Cable Uecomm Underground

Scale: #INSERT MAP SCALE#

Printed On: 25/01/2018

Sequence Number: 67992268

Location: E Boundary Road



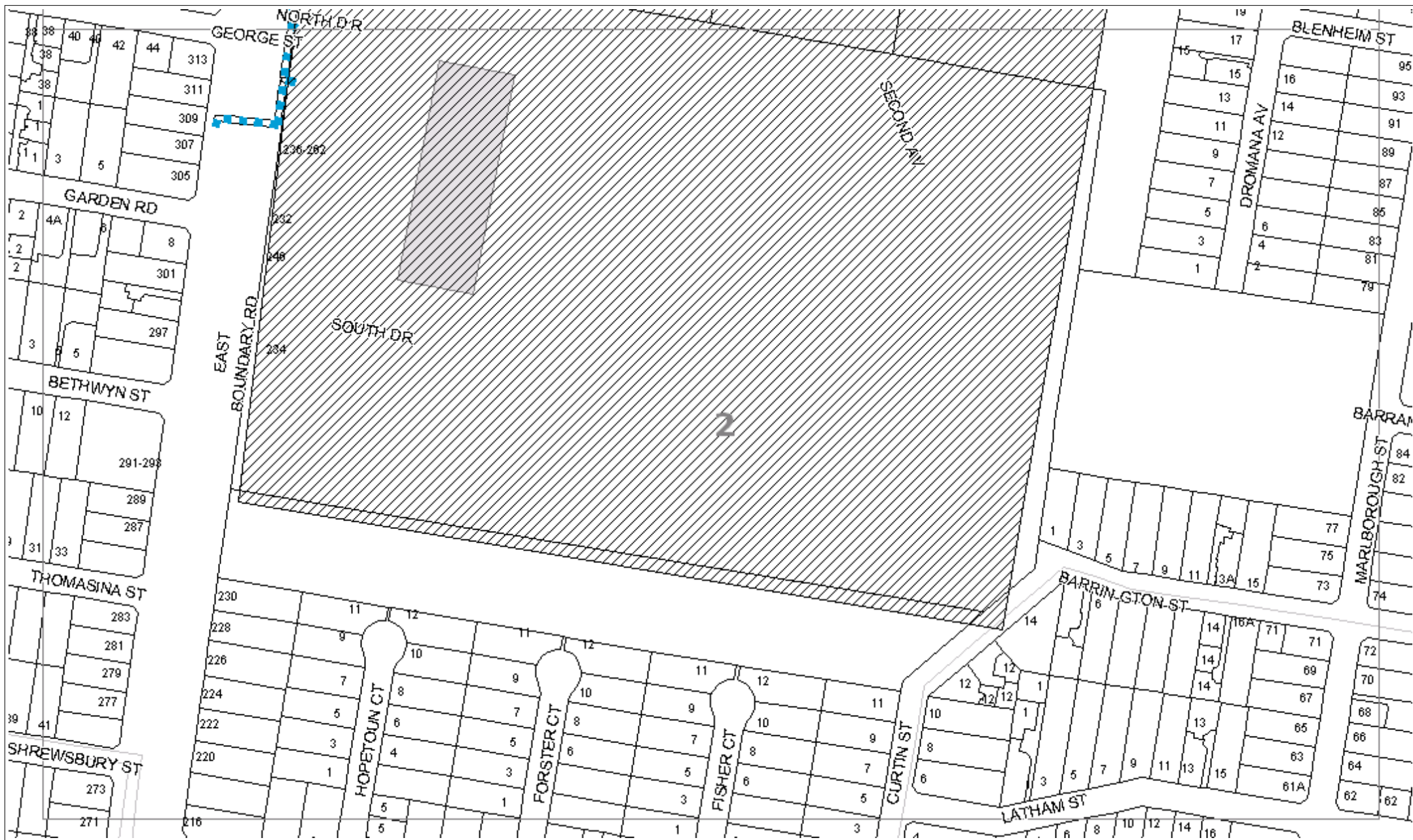
Job Location



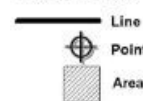
Underground Asset



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Job Location



Underground Asset



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For all Telstra DBYD plan enquiries -
email - Telstra.Plans@team.telstra.com
For urgent onsite contact only - ph 1800 653 935 (bus hrs)

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 09/02/2018 12:50:23

Sequence Number: 68463163

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

WARNING - Due to the nature of Telstra underground plant and the age of some cables and records, it is impossible to ascertain the precise location of all Telstra plant from Telstra's plans. The accuracy and/or completeness of the information supplied can not be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans.

It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

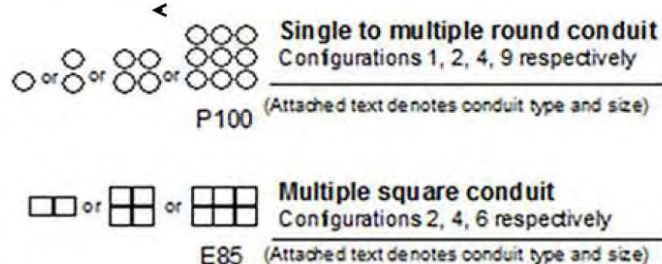
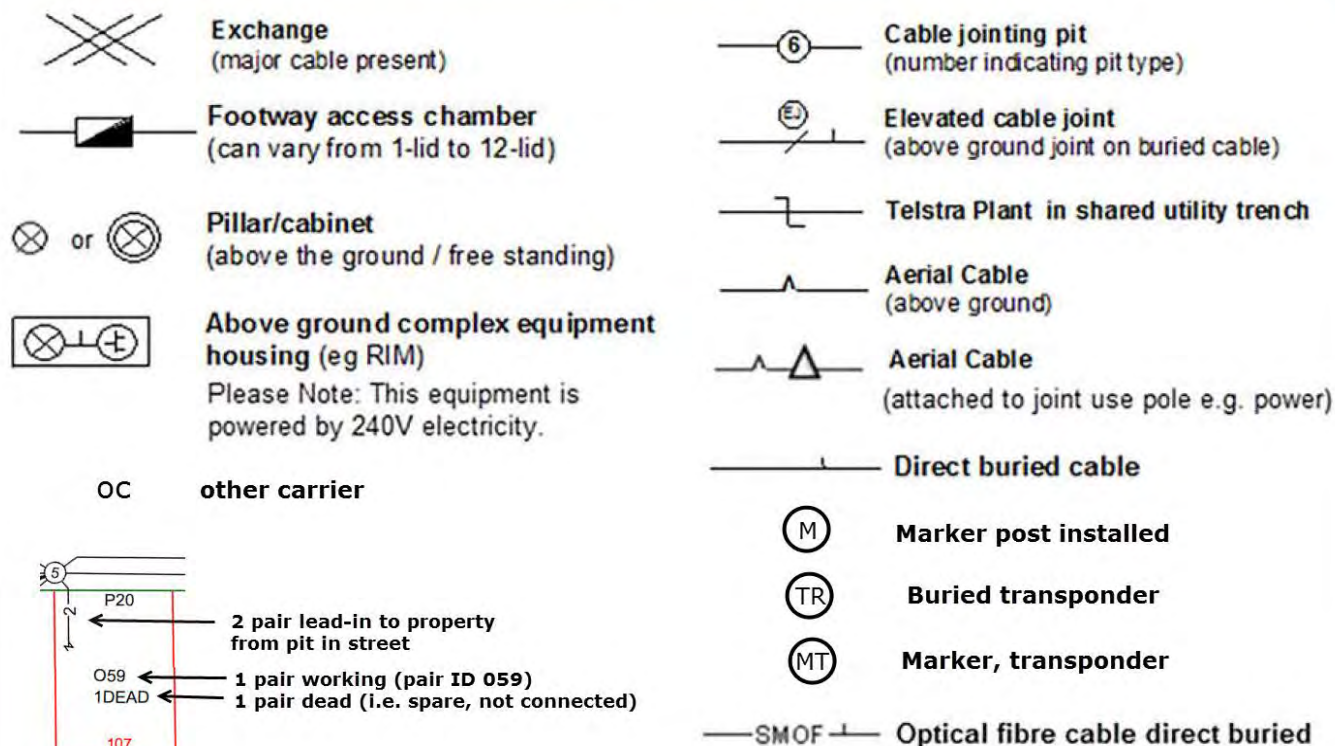
Please read and understand the information supplied in the duty of care statement attached with the Telstra plans. TELSTRA WILL SEEK COMPENSATION FOR LOSS CAUSED BY DAMAGE TO ITS PLANT.

Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.

LEGEND

For more info contact a Telstra Accredited Locator or Telstra Plan Services 1800 653 935

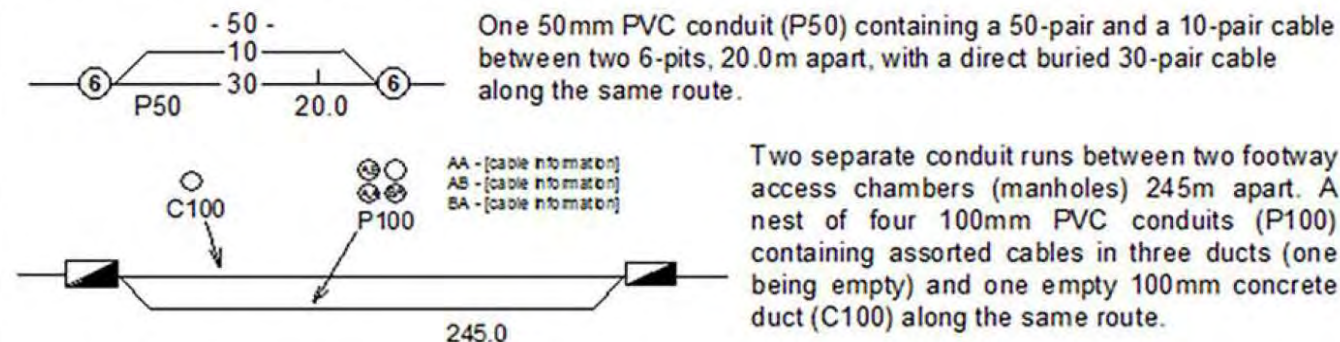
IT'S HOW
WE CONNECT



Some examples of conduit type and size:
A - Asbestos cement, P - PVC / plastic, C - Concrete, GI - Galvanised iron, E - Earthenware.
Conduit sizes *nominally* range from 20mm to 100mm.

P50	50mm PVC conduit
P100	100mm PVC conduit
A100	100mm asbestos cement conduit
E 85	85mm square earthenware conduit

Some examples of how to read Telstra plans:



WARNING: Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK. A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works. The exact position of Telstra assets can only be validated by physically exposing it. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.



WARNING

Please be advised this is an extract of United Energy Distribution assets.

This is a representation 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 & information on the attached information sheet.

This extract is subject to those conditions.

NOTE: The information contained on this plan is only valid for 28 days from the date of issue.

0m 60m 120m 180m 240m

SCALE: 1:2500



This plan must be printed in colour in order to protect the integrity of the information.

Please note that the information contained in United Energy's GIS system is constantly being updated, and the information contained in these plans is subject to change. To the best of our knowledge this information is accurate at the date of issue, United Energy does not accept liability for any loss suffered as a result of reliance on the information. If you have any queries, please contact the Service Provider listed on the attached coversheet.

Legend

Electrical [Electricity]

- HV Cable Head, 11kV Location
- HV UG Cable, 11kV Location
- HV UG Cable, Abandoned Location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Street Lighting Location - Valid

MELWAY REF : 68 K11

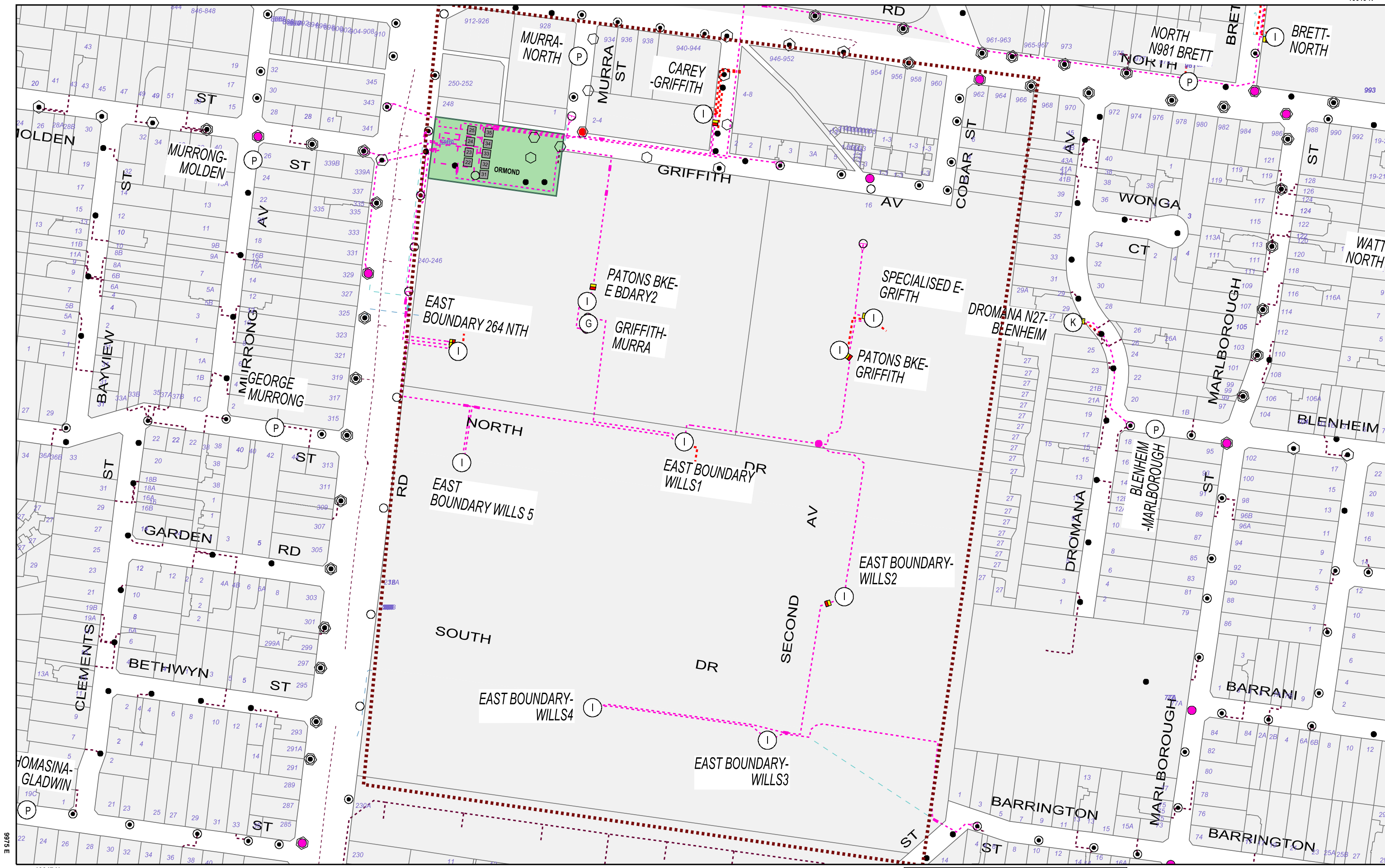
ISSUE DATE : 25/01/2018

DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.02



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0m 60m 120m 180m 240m

SCALE: 1:2500

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Legend

Electrical [Electricity]

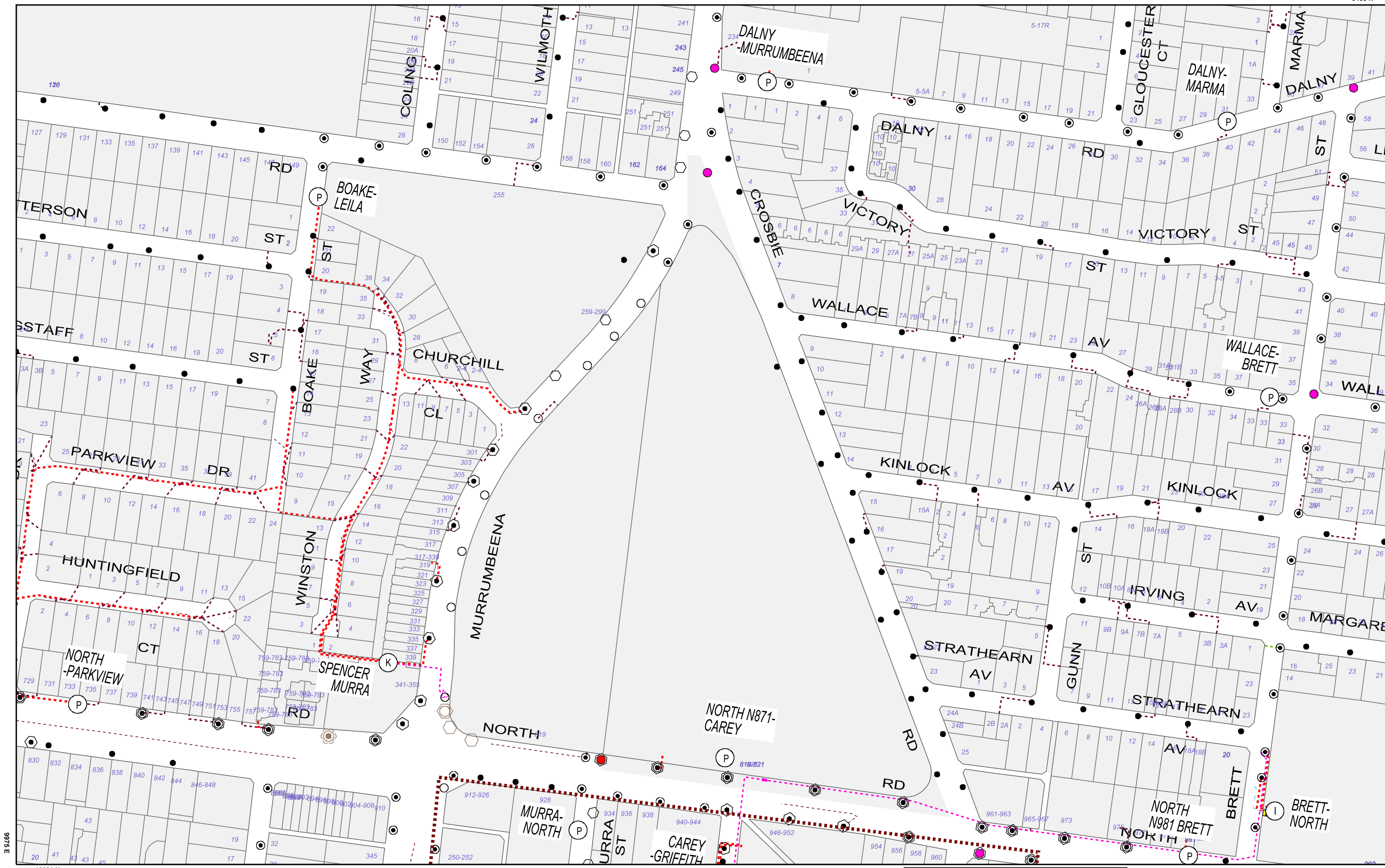
- HV Cable Head, 11kV location
- HV UG Cable, 11kV location
- HV UG Cable, abandoned location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Street Lighting Location - Valid
- Stn Cable, Location 11kV - in service

MELWAY REF : 68 K10

ISSUE DATE : 25/01/2018

DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.02





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This extract is subject to those conditions.

NOTE: The information contained on this plan is only valid for 28 days from the date of issue.

0m 60m 120m 180m 240m

SCALE: 1:2500

This plan must be printed in colour in order to protect the integrity of the information.

Please note that the information contained in United Energy's GIS system is constantly being updated, and the information contained in these plans is subject to change.

To the best of our knowledge this information is accurate at the date of issue, United Energy does not accept liability for any loss suffered as a result of reliance on the information.

If you have any queries, please contact the Service Provider listed on the attached coversheet.

Legend

Electrical [Electricity]

- HV Cable Head, 11kV Location
- HV UG Cable, 11kV Location
- HV UG Cable, abandoned Location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Service Location - Automatically Inserted
- LV UG Cable, Street Lighting Location - Valid

MELWAY REF : 68 K9

ISSUE DATE : 25/01/2018

DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.03

25 JANUARY 2018

Mrs Sally Egan
E-mail: segan@bluesphere-enviro.com.au

Dear Sir/Madam,

SEW Reference Case Number 30357459
DBYD Sequence Number: 67992270
Location: E Boundary Road Bentleigh East 3165
Directory: Melways 68K10
Service Requested: Asset Information Dial-Before-You-Dig
SEW Order Number: 29747783

WatersEdge
101 Wells Street
Frankston VIC 3199
PO Box 2268
Seaford VIC 3198 Australia
Telephone +61 3 9552 3000
southeastwater.com.au

Please find attached information regarding your application to Dial Before You Dig for Asset Information.

Any works within the vicinity of a South East Water asset must conform with the guidelines specified in the documents '[Protection of South East Water Supply Assets](#)' and/or '[Protection of South East Water Sewerage Assets](#)'. Formal consent from South East Water is required where works are planned within one metre of an asset. General conditions are outlined in the document [Guidelines for Proposed Works Over / Adjacent to Water Authority Assets up to and including 225 diameter](#).

Where works are planned within one metre of an asset, an application is required to be submitted through South East Water's online application portal, [PropertyConnect](#). Formal consent or advice will be provided in response after review of the application.

Please be aware that works such as ground anchors, pile driving and site retention have special conditions and works must not commence without formal consent from South East Water.

Access to any South East Water asset i.e maintenance structure, must only be undertaken by an accredited contractor with prior consent.

For mobile maps SEWmap use our free downloadable mobile map app that provides access to our property, water, Sewer and recycling assets, look for it on the South East Water website.

IMPORTANT:

The location of assets must be proved in the field by the applicant prior to the commencement of work. These plans do not indicate private services.

Assets labelled AC may contain asbestos and therefore works on these assets must be undertaken in accordance with OH&S regulations.

Metallic water mains and associated fittings may pose an electrocution hazard if electrical earth wires have been connected to the property service or water main.

Care must be taken when digging in the vicinity between Water Main to meter as service pipes could exist and may not be shown on the plan.

If you have any enquiries please contact Property Information on 9552 3459.

DISCLAIMER:

The plans accompanying this letter are issued solely for asset identification purposes and should not be used for any other purpose. South East Water provides the information it has on Sewer, Water and Recycled Water assets, but does not guarantee the accuracy of information and therefore the location of all assets must be proven on site prior to the commencement of any works.

South East Water will not accept claims associated with any incorrect or incomplete information being contained on the plan. Due to ongoing potential asset changes this plan should not be reused at a later date, a new plan should be obtained.

Yours sincerely

A handwritten signature in black ink that reads "Martin Dunkley". The signature is written in a cursive style with a large, stylized 'M' and 'D'.

Martin Dunkley
MANAGER ASSET INFORMATION SYSTEMS



Property: E Boundary Road, Bentleigh East VIC 3165

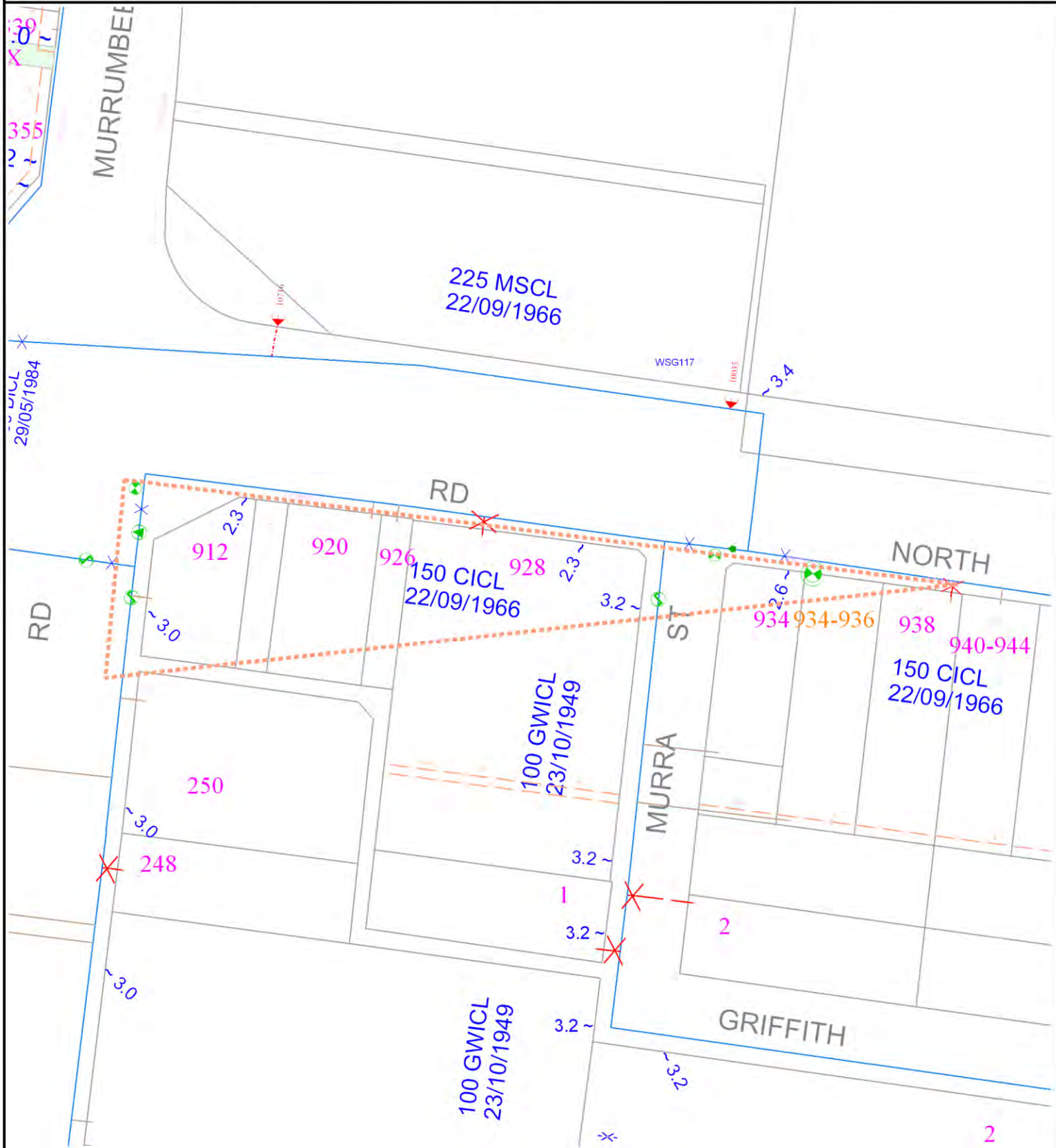
Case Number: 30357459

Sequence Number: 67992270



Date: 25 January 2018

68K10,68K9,69A11



WARNING : This plan is issued solely for the purpose of assisting you in identifying South East Water's specified assets through further investigation only. It is not to be used for any other purpose, including to identify any other assets, property boundaries or dimensions. Accordingly, the location of all assets should be proven by hand on site prior to the commencement of any work. (Refer to attached letter for further details). Assets labelled AC may contain asbestos and therefore works on these assets must be undertaken in accordance with OH&S Regulations

— Title/Road Boundary	—*— Chlorination Assembly	⊗ Hydrant	⚡ Electrolysis
- - - Proposed Title/Road	—X— Water Main Valve	⊗ Fireplug/Washout	
- - - Easement	100 CICAL 26.9.1975 — Water Main	~ 1.0 Offset from Boundary	

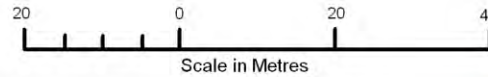
Property: E Boundary Road, Bentleigh East VIC 3165

Case Number: 30357459

Sequence Number: 67992270

Date: 25 January 2018

68K10,68K9,69A11



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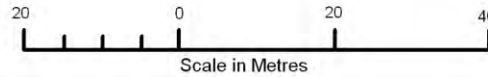
	Title/Road Boundary		End of Pipe		Maintenance Hole
	Proposed Title/Road		Sewer Main		Inspection Shaft
	Easement		Direction of Flow		Offset from Boundary



Property: E Boundary Road, Bentleigh East VIC 3165

Case Number: 30357459

Sequence Number: 67992270



Date: 25 January 2018

68K10,68K9,69A11



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— Title/Road Boundary	—★— Chlorination Assembly	⊗ ⊙ Hydrant
- - - - - Proposed Title/Road	—X— Recycled Water Main Valve	⊗ ⊙ Fireplug/Washout
- - - - - Easement	100 CCL 26.9.1975 Recycled Water Main	~ 1.0 Offset from Boundary

25 JANUARY 2018

Mrs Sally Egan
E-mail: segan@bluesphere-enviro.com.au

Dear Sir/Madam,

SEW Reference Case Number 30357486
DBYD Sequence Number: 67992271
Location: E Boundary Road Bentleigh East 3165
Directory: Melways 68K11
Service Requested: Asset Information Dial-Before-You-Dig
SEW Order Number: 29747818

WatersEdge
101 Wells Street
Frankston VIC 3199
PO Box 2268
Seaford VIC 3198 Australia
Telephone +61 3 9552 3000
southeastwater.com.au

Please find attached information regarding your application to Dial Before You Dig for Asset Information.

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DISCLAIMER:

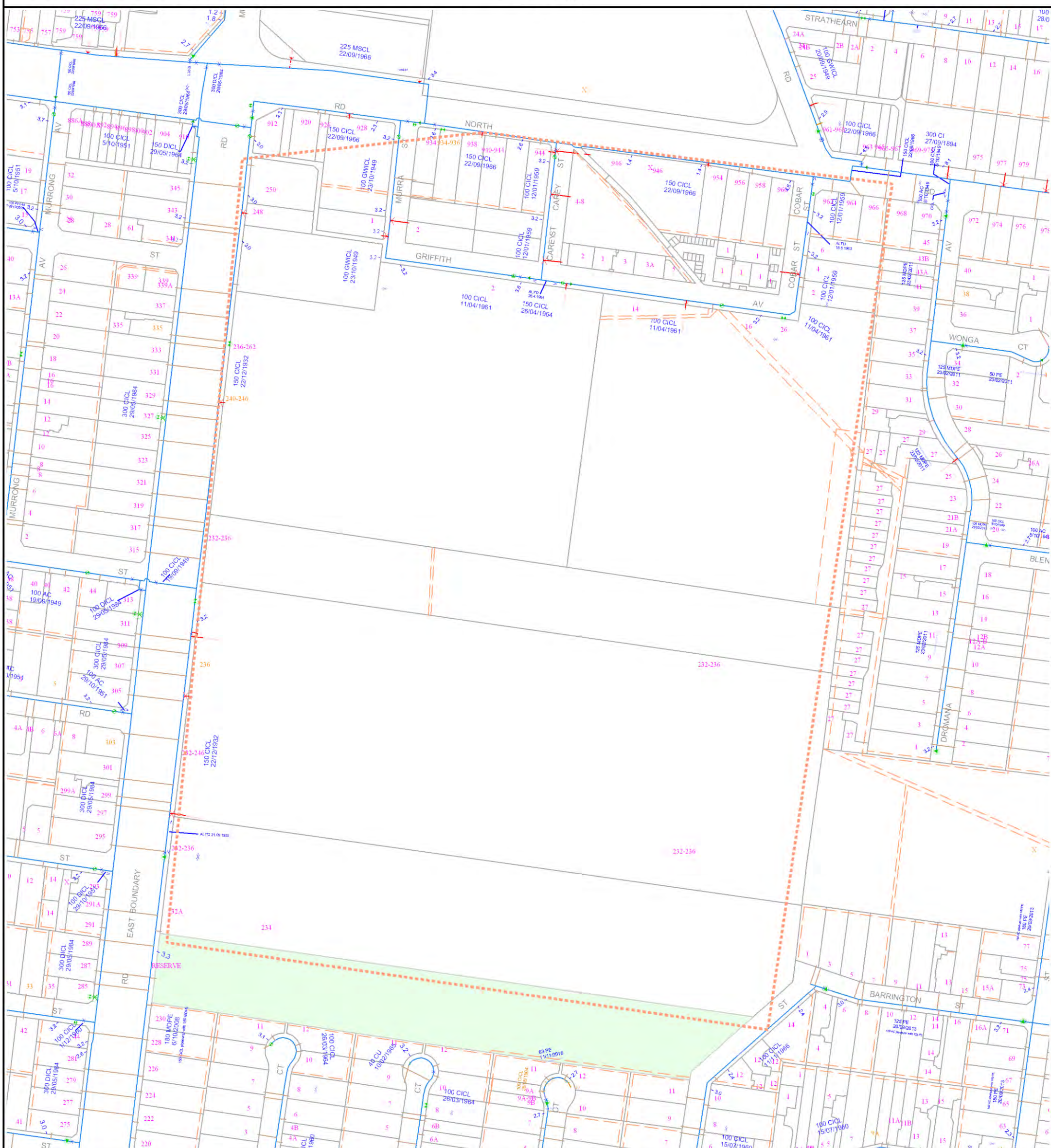
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Yours sincerely



Martin Dunkley
MANAGER ASSET INFORMATION SYSTEMS



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- | | | | | | | | | |
|--|---------------------|--|-----------------------|--|--|----------------------|--|--------------|
| | Title/Road Boundary | | Chlorination Assembly | | | Hydrant | | Electrolysis |
| | Proposed Title/Road | | Water Main Valve | | | Fireplug/Washout | | |
| | Easement | | Water Main | | | Offset from Boundary | | |



Property: E Boundary Road, Bentleigh East VIC 3165

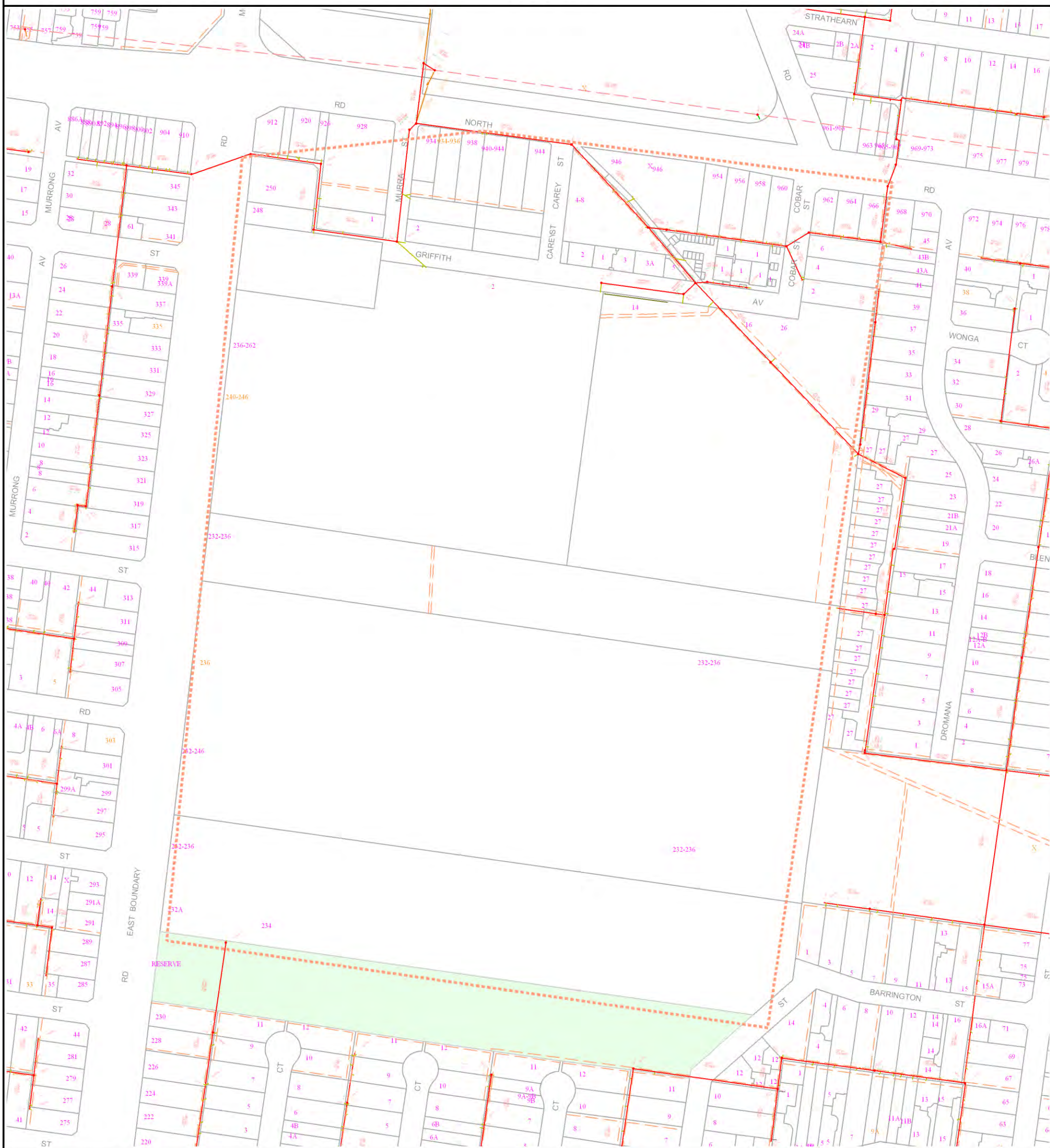
Case Number: 30357486

Sequence Number: 67992271



Date: 25 January 2018

68K11,69A10,69A9



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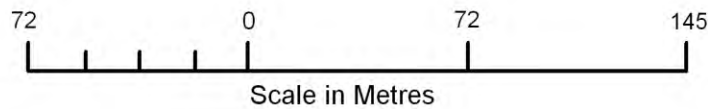
	Title/Road Boundary		End of Pipe		Maintenance Hole
	Proposed Title/Road		Sewer Main		Inspection Shaft
	Easement		Direction of Flow		Offset from Boundary



Property: E Boundary Road, Bentleigh East VIC 3165

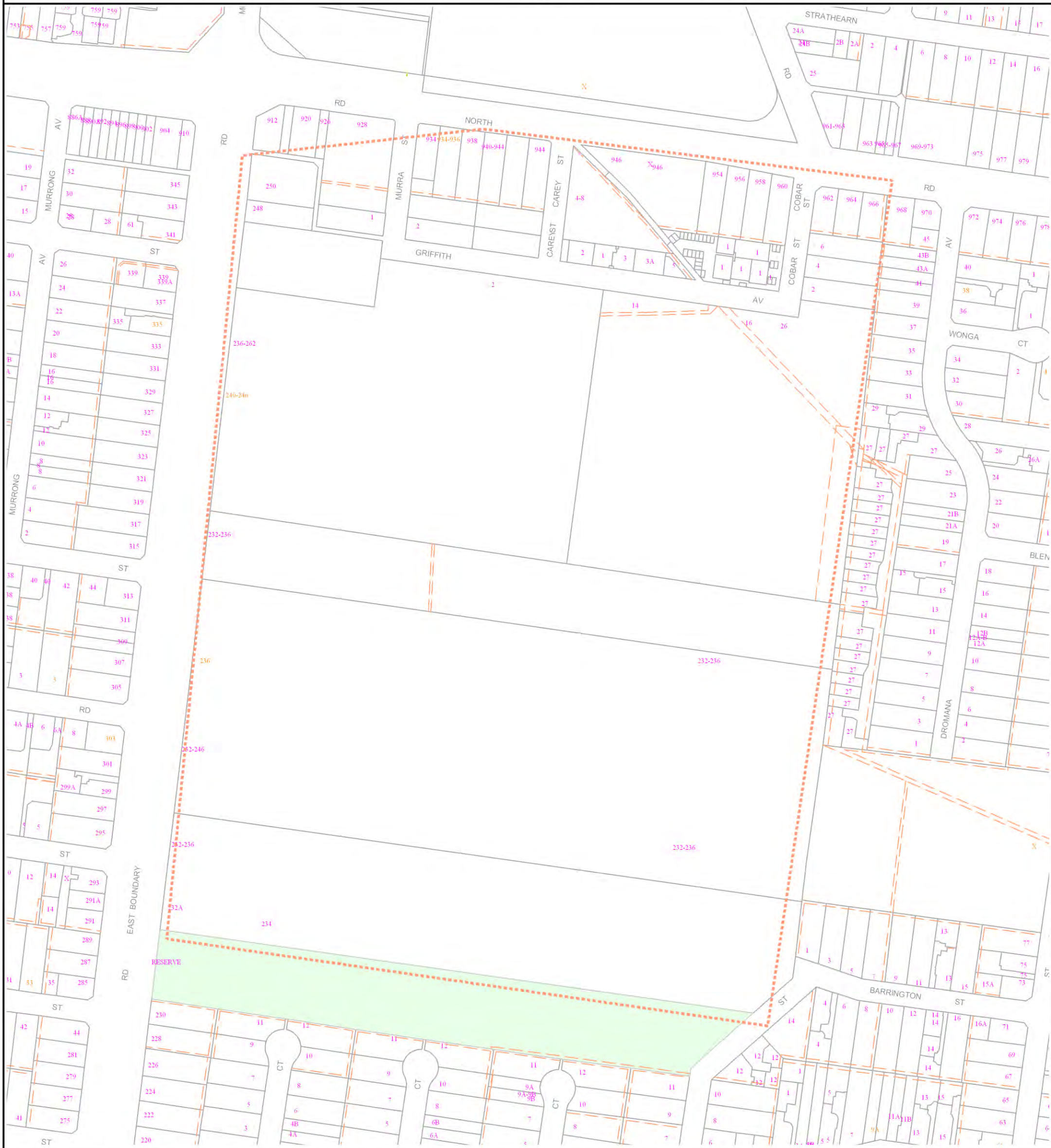
Case Number: 30357486

Sequence Number: 67992271



Date: 25 January 2018

68K11,69A10,69A9

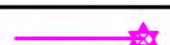


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— Title/Road Boundary

- - - Proposed Title/Road

- - - Easement



Chlorination Assembly



Recycled Water Main Valve



Recycled Water Main



Hydrant



Fireplug/Washout



Offset from Boundary