



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**




**25 July 2018**

## East Village Peer Review and Phase 1 Environmental Site Assessment

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## Executive Summary

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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)<br>Commercial 1 Zone (C1Z)<br>Commercial 2 Zone (C2Z)<br>Public Park and Recreation (PPRZ)<br>Neighbourhood Residential Zone – Schedule 1<br>Special Building Overlay (SBO) - in part<br>Development Plan Overlay (DPO2) – in part<br>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 <sup>1</sup> 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.<br><br>Central and Southern Portions: A few houses and/or sheds associated with agricultural land use are present.<br><br>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.<br><br>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.<br><br>Southern Portion: A large commercial/ industrial |

**Table 3 Historical Aerial Photograph Summary**

| Year | Precinct (Northern portion)   | Surrounding Land   |
|------|---|--|
|      |   | <p>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.</p> <p>An oval is still present to the north across North Road.</p>   |
| 1966 | <p>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.</p> | <p>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.</p> <p>Central Portion: Several large industrial structures are present which are likely associated with PBR.</p> <p>Southern Portion: Several large structures now present and likely associated with the manufacture of tobacco by W/D &amp; H.O. Hills.</p>                         |
| 1974 | <p>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.</p>   | <p>The surrounding area generally remains unchanged.</p> <p>Central Portion: Some extensions to structures and additional structures appear likely relating to the brakes manufacturing plant.</p> <p>Southern Portion: No changes noted.</p>  |
| 1979 | <p>Generally, the northern portion of the Site remains unchanged.</p>   | <p>The surrounding area generally remains unchanged.</p>   |
| 1981 | <p>Generally, the northern portion of the Site remains unchanged.</p>   | <p>The surrounding area generally remains unchanged.</p>   |
| 1987 | <p>Generally, the northern portion of the Site remains unchanged.</p>   | <p>The surrounding area generally remains unchanged.</p>   |
| 1991 | <p>Generally, the northern portion of the Site remains unchanged.</p>   | <p>The surrounding area generally remains unchanged.</p>   |
| 2000 | <p>Generally, the northern portion of the Site remains unchanged.</p>   | <p>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.</p> <p>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.</p> |
| 2009 | <p>Generally, the northern portion of the Site remains unchanged. Approximately 15 cars</p>   | <p>The surrounding area generally remains</p>  |

**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<br>(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)<br>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.<br><br>Total recoverable hydrocarbons (TRH) | Shallow aquifer 3 to 5 m below ground level (bgl), flow direction to the north or north east<br><br>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)<br>Human Health Risk Assessment Former Manufacturing Facility, East Bentleigh           | Central portion: eastern area | CHCs<br><br>TRH<br><br>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)<br>Environmental Site Assessment Phase I, For Works: 236-262 East Boundary Road, Bentleigh East       | Southern Portion              | CHCs<br><br>TRH   | Not assessed or provided  | Phase 1 ESA only  |
| LRM Global Pty Ltd (August 2015)<br>Environmental Site Assessment, For Works: Virginia Park, Bentleigh East                           | Southern Portion              | CHCs<br><br>TRH<br><br>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)<br>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<br><br>Metals (Co, Cu, Zn) in groundwater                 | Shallow aquifer 4.2 m bgl   | CUTEP not required<br><br>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<br><br>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<br><br>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)<sup>1</sup></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)<br>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 <sup>1</sup>                      | 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 Precinct<sup>1</sup>. 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.

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<sup>1</sup> 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

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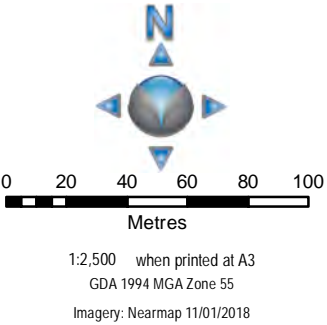


PROJECT ID 30619.01  
DATE 13-Feb-18  
CREATED BY AF



**Legend**

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



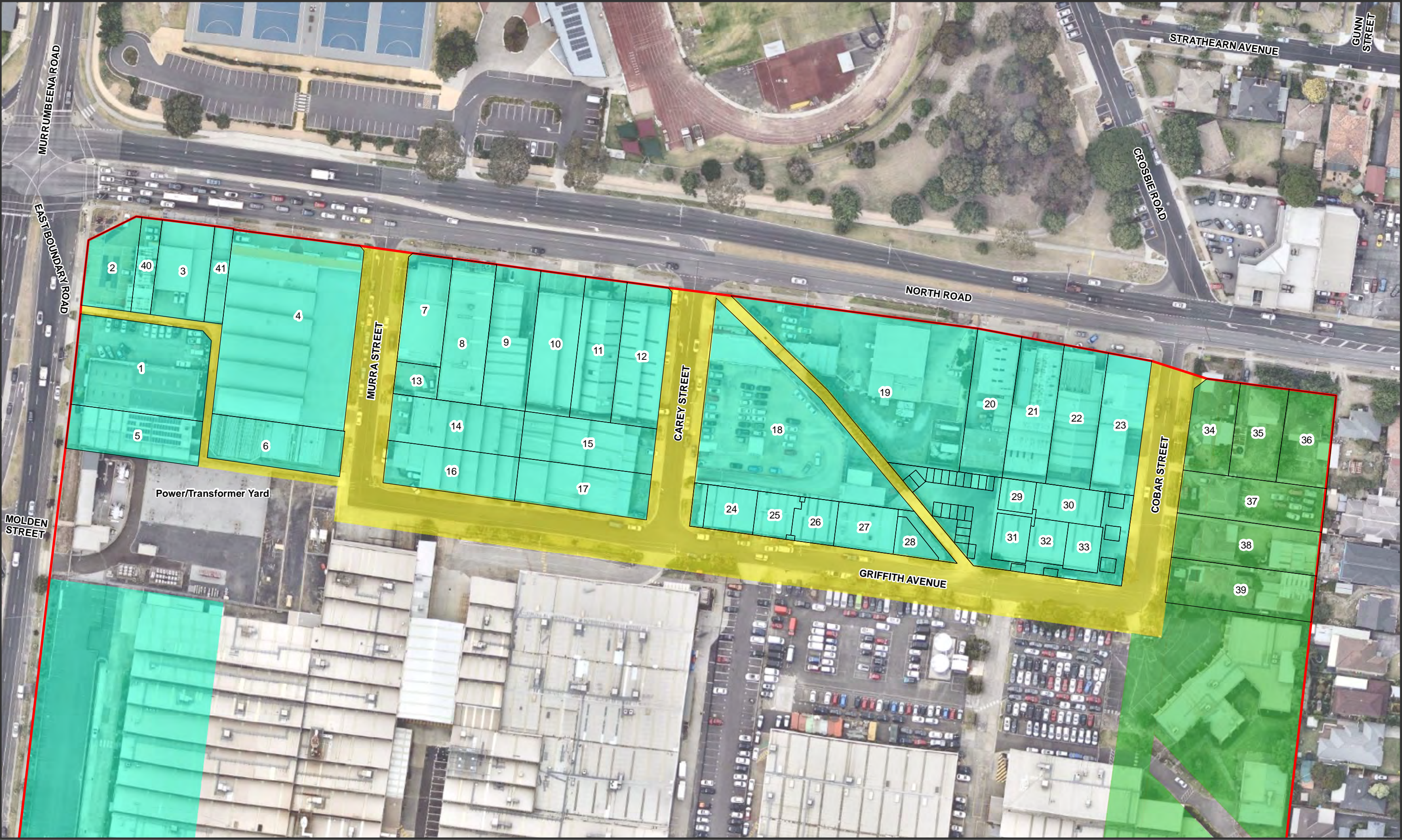
**SITE LOCATION PLAN**

**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 | <b>Land Use</b>       |
| 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

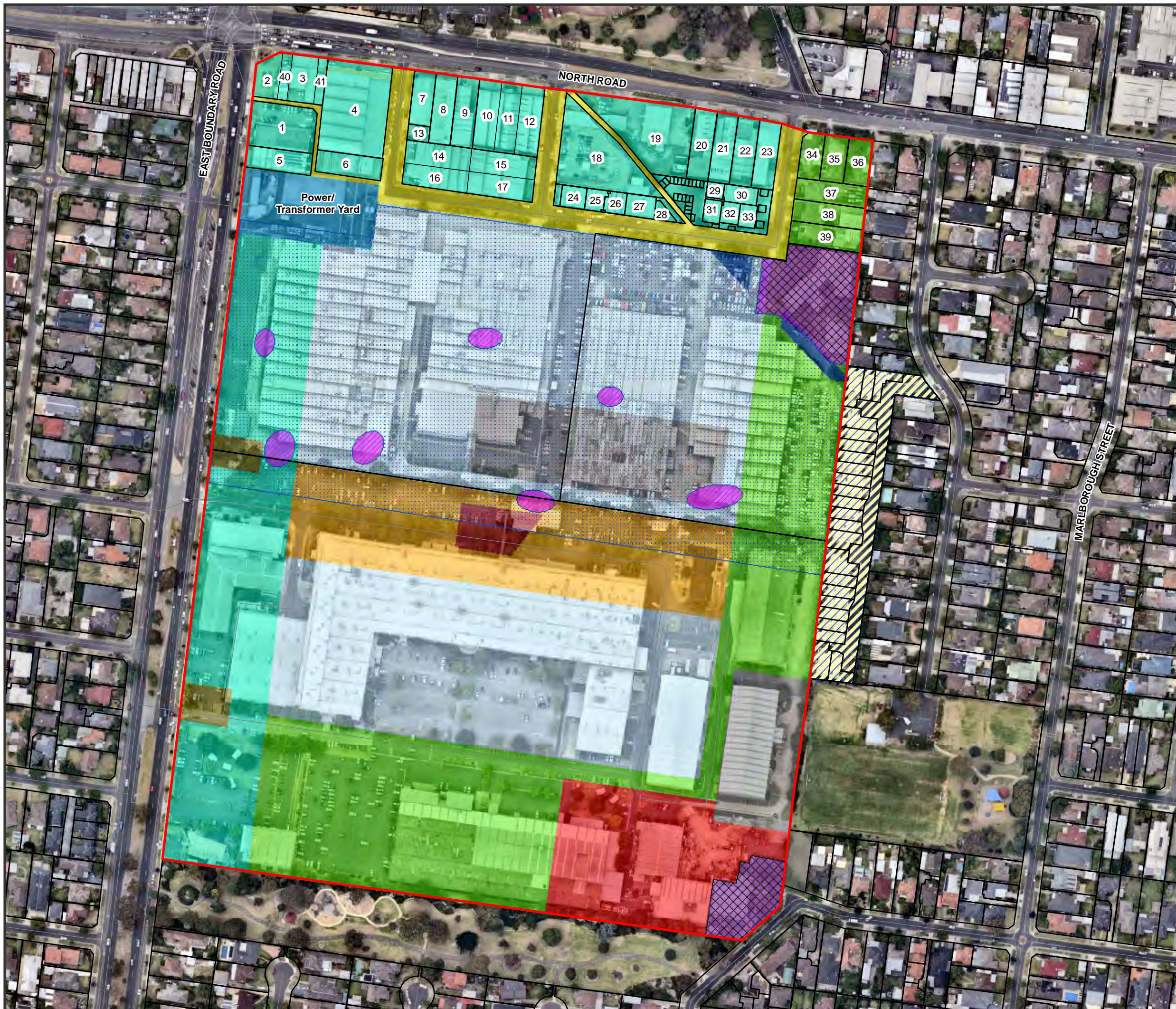
**NORTHERN PORTION LAYOUT**

*Peer Review & Phase 1  
Environmental Site Assessment*

East Village,  
Bentleigh East, VIC 3165  
Victorian Planning Authority

Figure  
**F2**





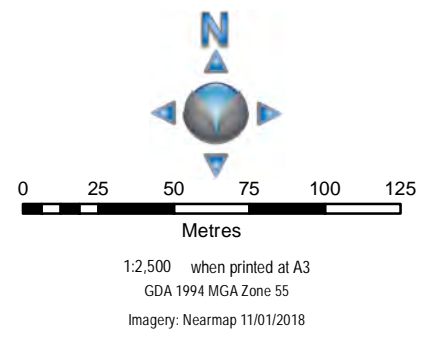
- Legend**
- Precinct Boundary
  - Parcel Boundaries (Northern Portion)
  - Lots of Interest
- Land Use**
- Electricity
  - Existing Road Reserve
  - Government School
  - Local Park
  - Mixed Use
  - Office
  - Residential
  - Retail
  - Retarding Basin/WQT Wetland
  - Urban Plaza
  - Widening/Intersection 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



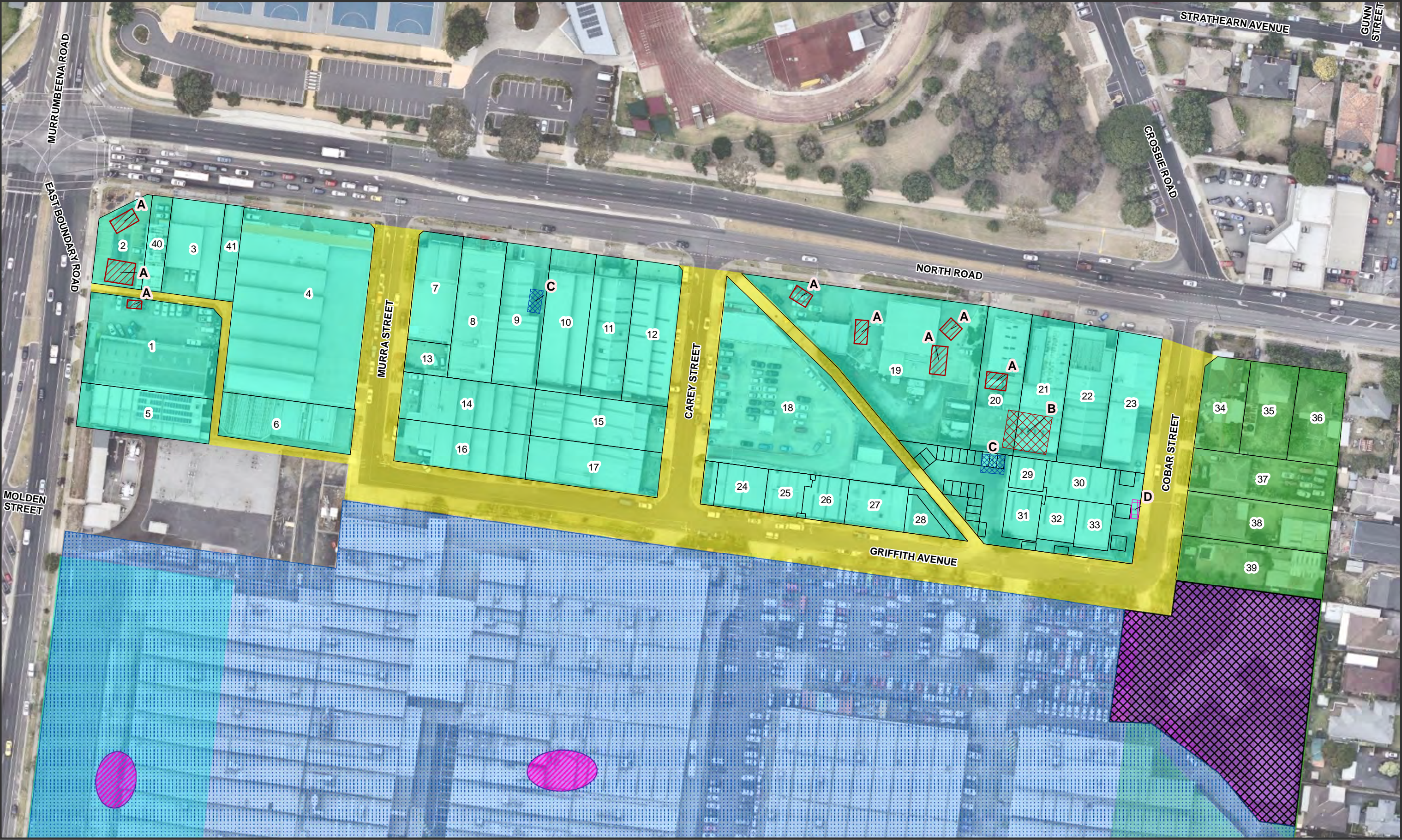
**BROADER PRECINCT LAYOUT**


*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**

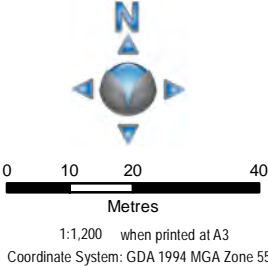
Existing Road Reserve  
Office  
Residential

**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**



## Appendix A

### Lotsearch Environmental Risk and Planning Report

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# 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

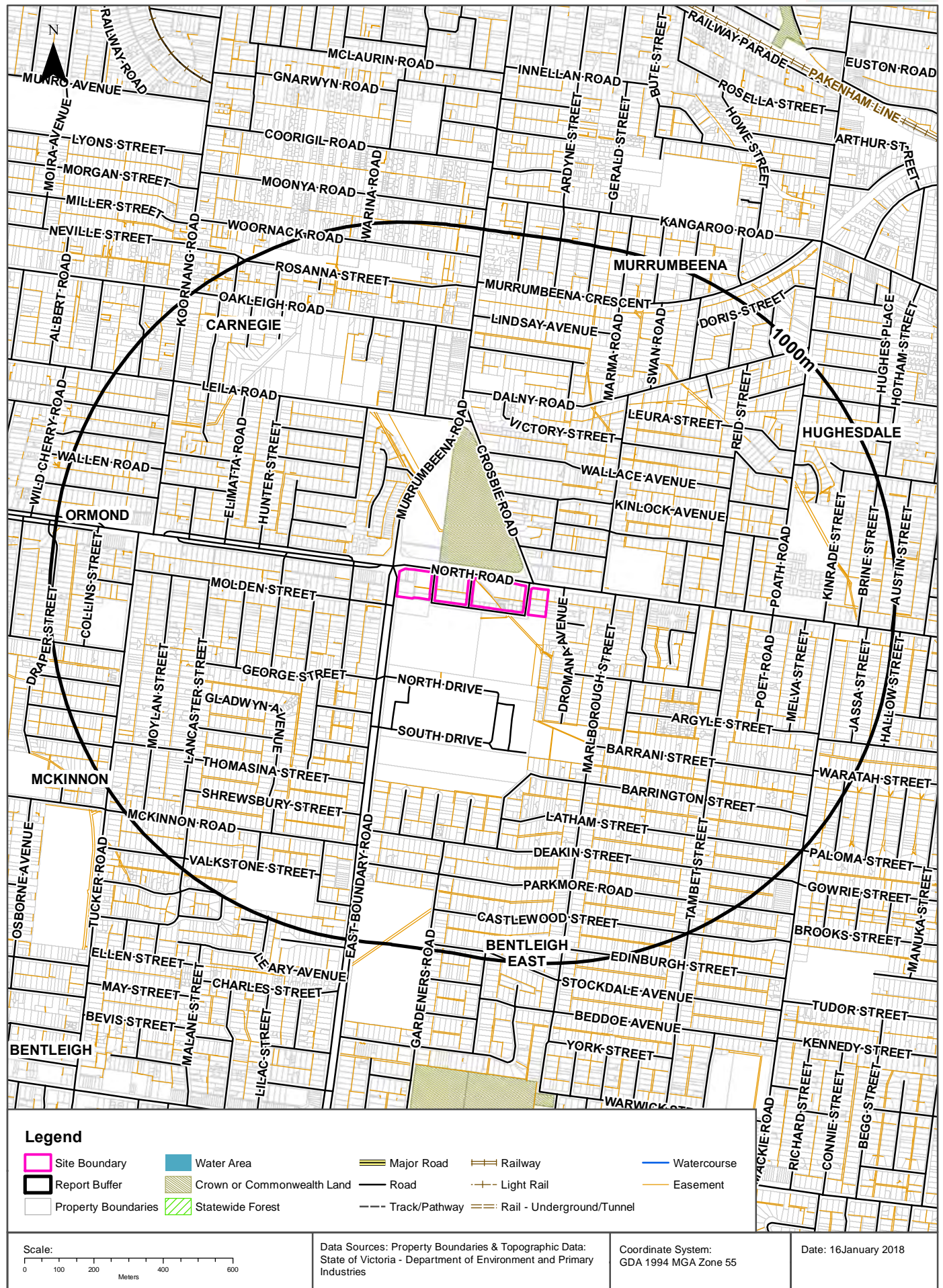
North Road & East Boundary Road, Bentleigh East, VIC 3165





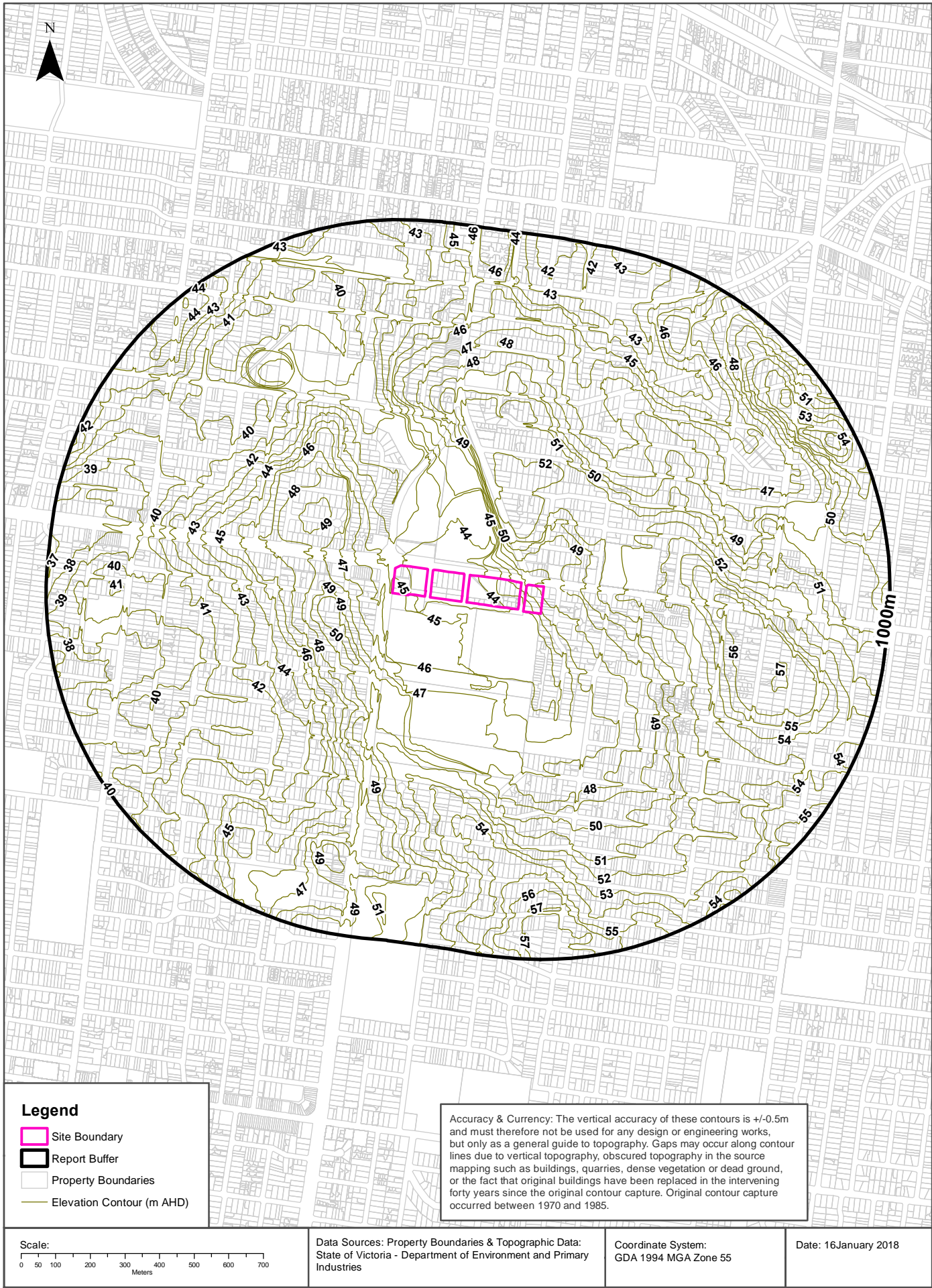
# Topographic Data

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.**

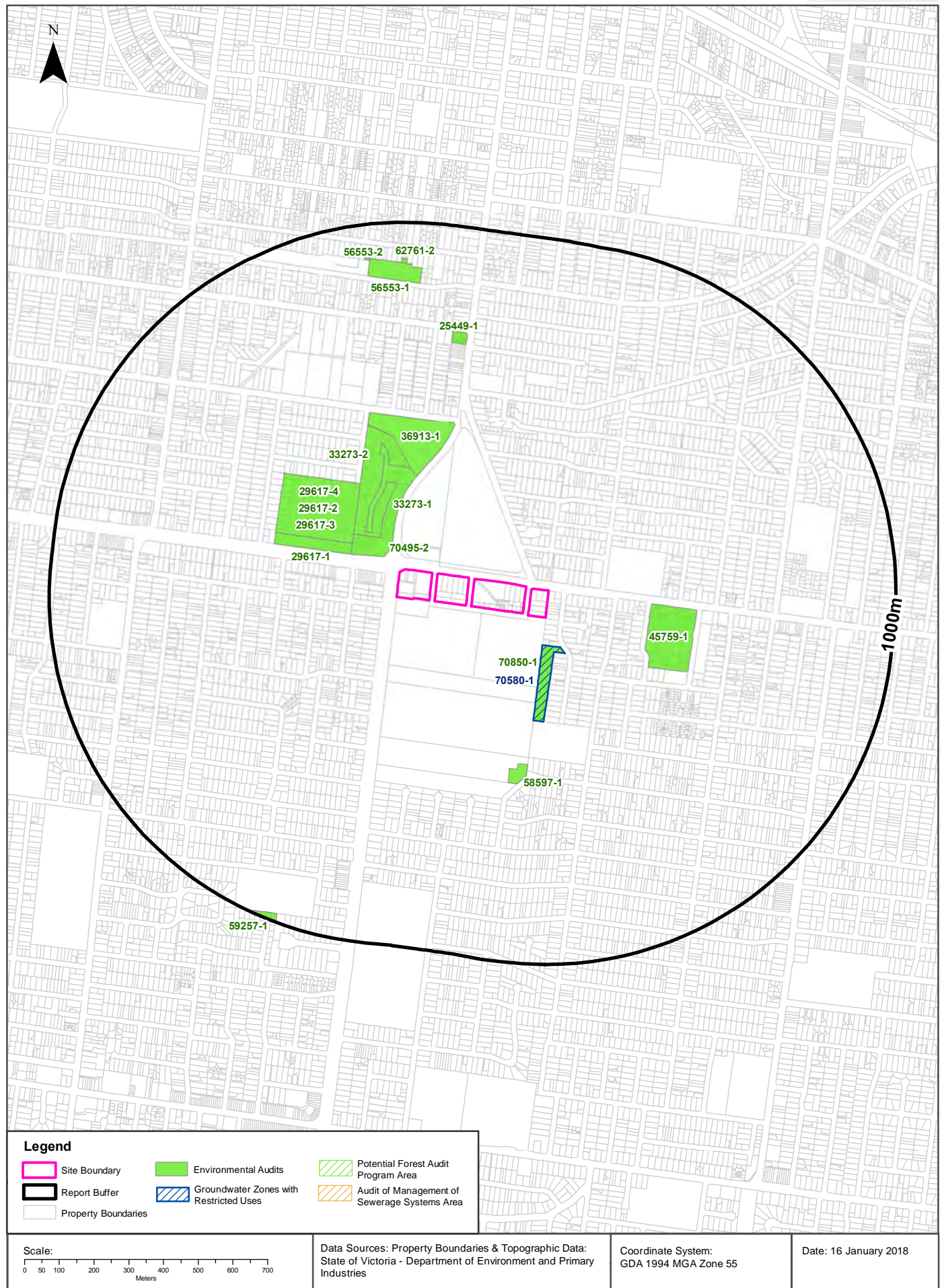
| Notice No | Notice Type          | Company | Address | Suburb | Status | Issue | Date Issued | Loc Conf | Dist | Dir |
|-----------|----------------------|---------|---------|--------|--------|-------|-------------|----------|------|-----|
| N/A       | No records in buffer |         |         |  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

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<br>REAR OF 55 WOORNACK RD LOT A PS 523573J<br>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<br>BENTLEIGH EAST<br>VIC 3165 | Drinking water<br>Livestock water supply<br>Irrigation of crops (including domestic gardens) and parks<br>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:

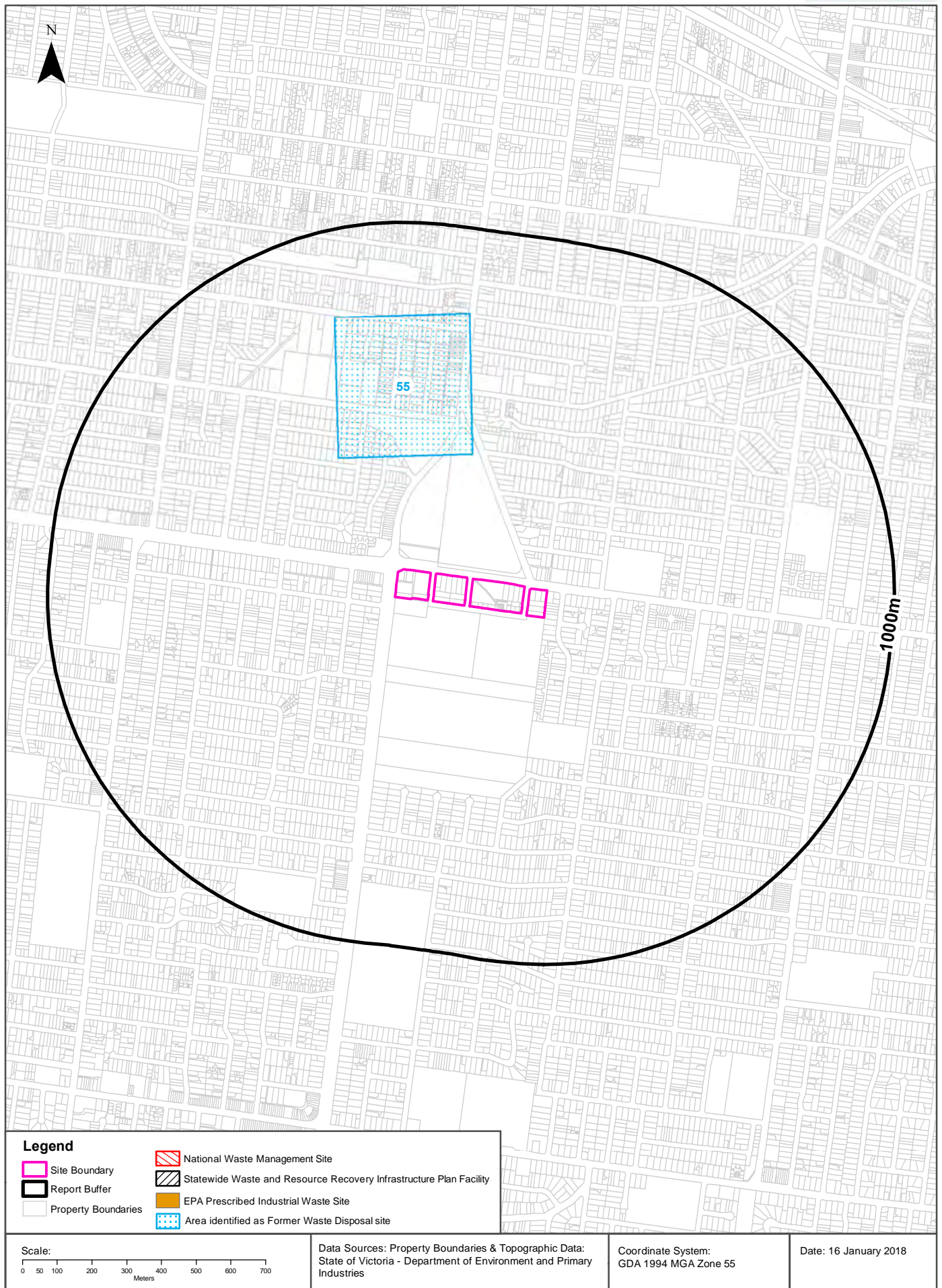
| Transaction No | Status               | Approval No | Organisation | Premise Address | Suburb | Scheduled Categories | Loc Conf | Dist (m) | Direction |
|----------------|----------------------|-------------|--------------|-----------------|--------|----------------------|----------|----------|-----------|
| 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

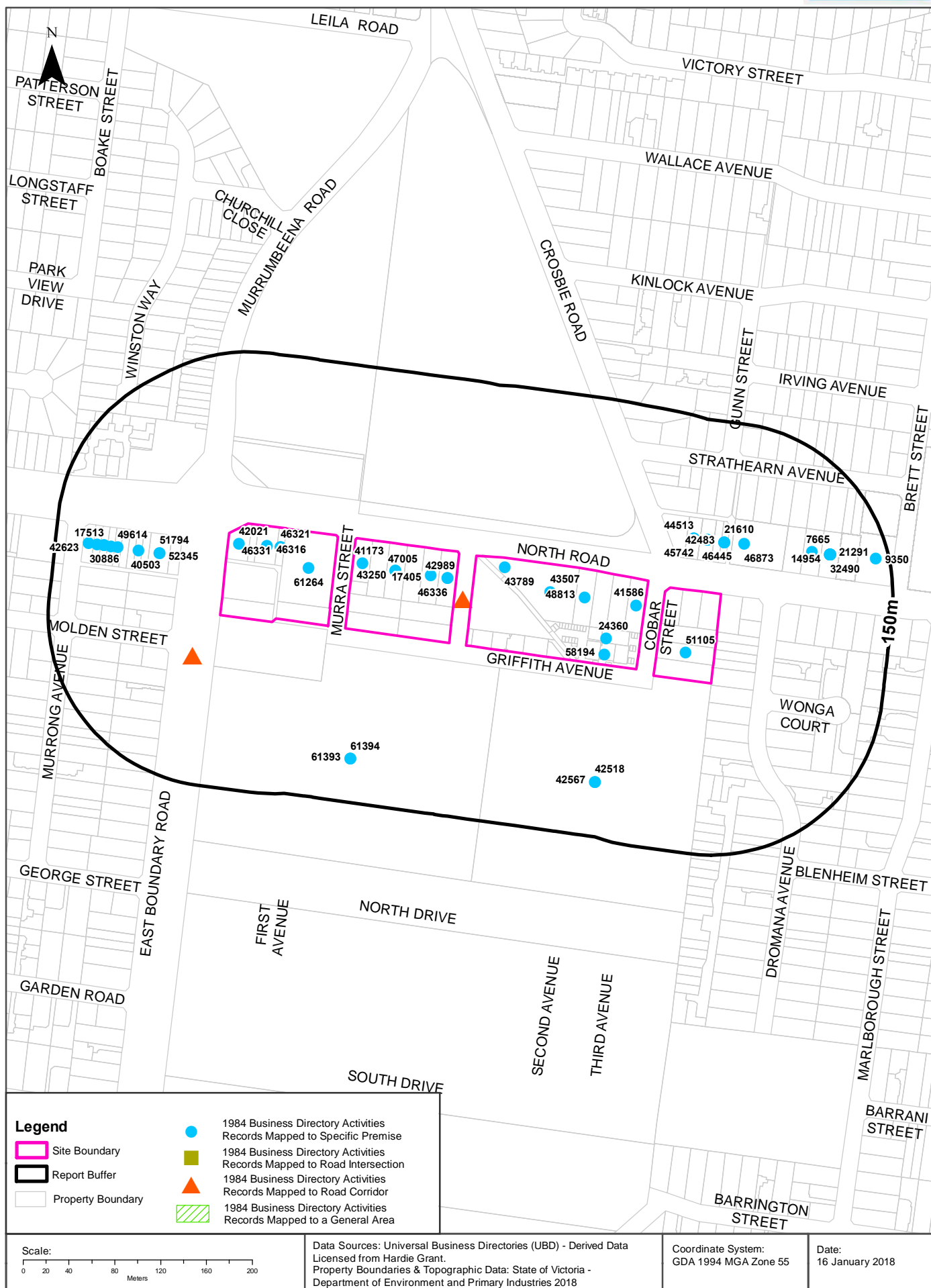
Records from the 1991 UBD Business to Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renamed since the directory was published:

| 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       |

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## 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                                |

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# 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       |

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## 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 DISTS.     | 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                              |

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# 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.                              | Cleamar 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.                              | Cleomar 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                              |

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

# 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

Records from the 1974 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 |
|---|---|---------|---------------------|-----------------------------------|
| 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                              |

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# 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. Murrumbena:                                | 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. & WHOLESALEERS | Aeronautical & Industrial Lighting Co., North Rd., Carnegie                    | 32872   | Road Match          | 145m                              |

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# 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 & WHOLESALEERS       | Aeronautical & Industrial Lighting Co., North Rd., Carnegie                               | 28027   | Road Match          | 145m                              |
| ELECTRICAL APPLIANCE & EQUIPMENT MANUFACTURERS & WHOLESALEERS | 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                              |

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## 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



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



## Aerial Imagery 1991

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





## Aerial Imagery 1987

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





# Aerial Imagery 1981

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

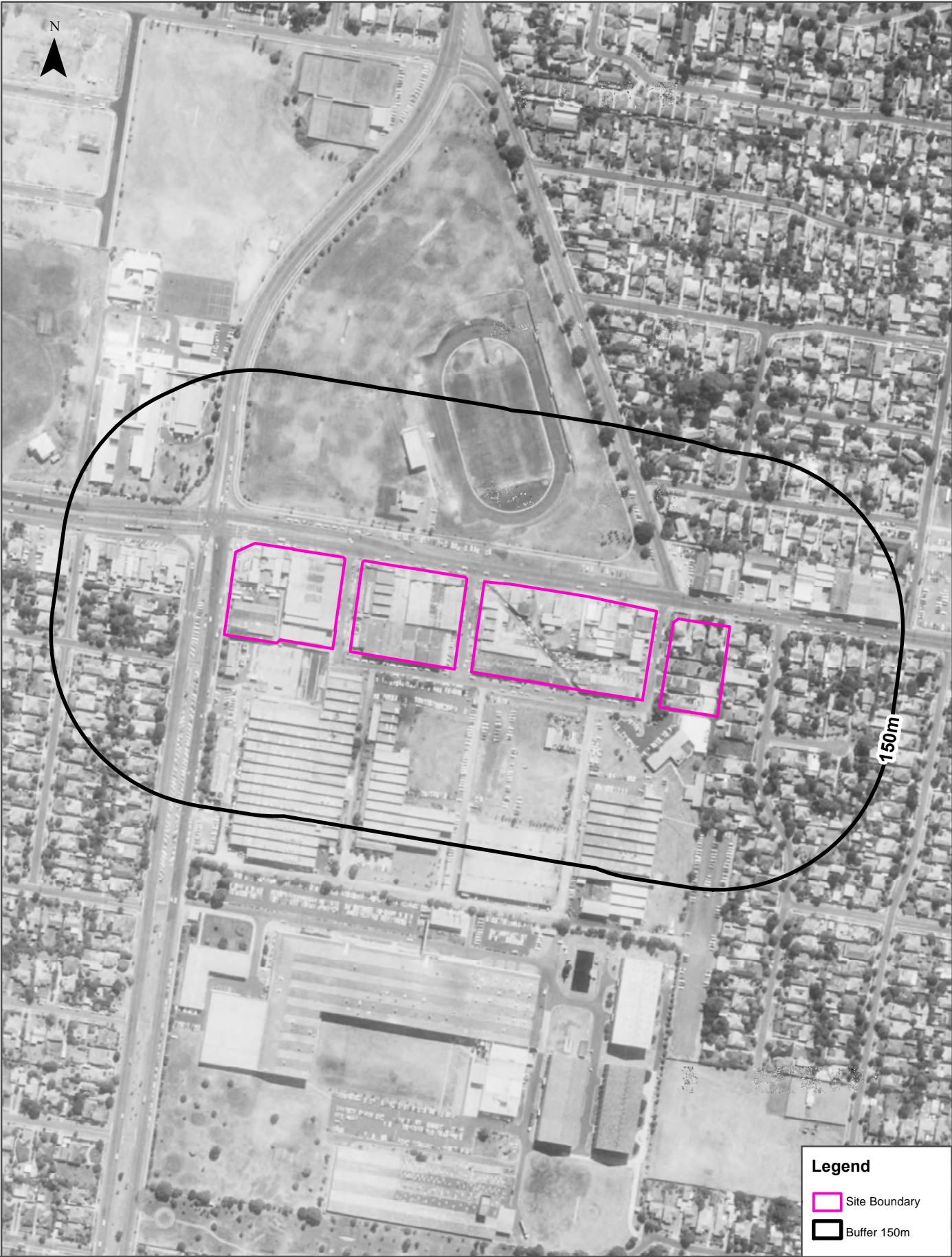


|                                  |  |  |                       |
|----------------------------------|--|--|-----------------------|
| Scale:<br>0 50 100 200<br>Meters | Data Source Aerial Imagery:<br>© Department of Environment, Land, Water and Planning<br>(Vicmap Topographic Mapping Program) | Coordinate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



Aerial Imagery 1979

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



**Legend**

- Site Boundary
- Buffer 150m

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



# Aerial Imagery 1974

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

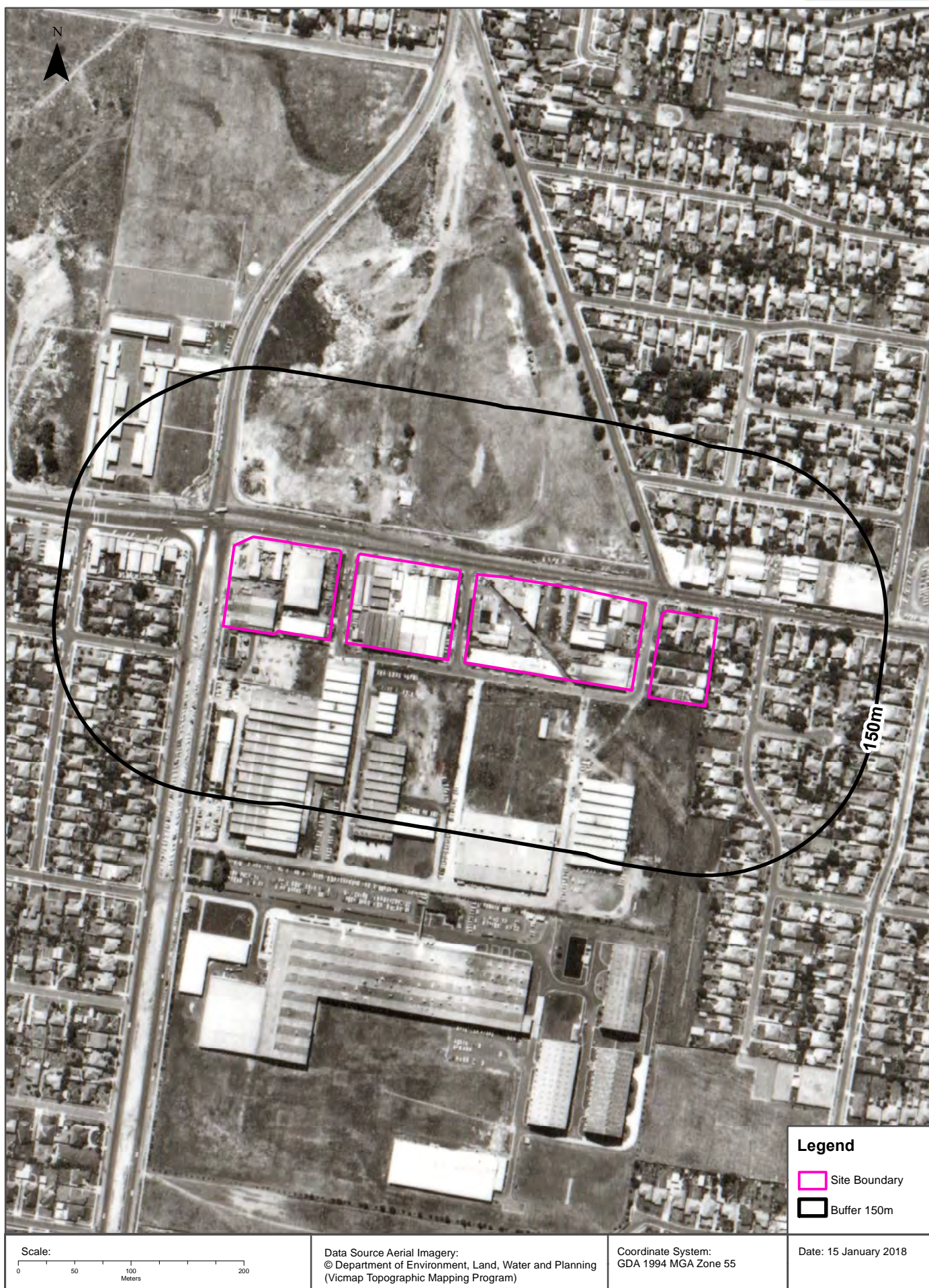


|                                  |  |  |                       |
|----------------------------------|--|--|-----------------------|
| Scale:<br>0 50 100 200<br>Meters | Data Source Aerial Imagery:<br>© Department of Environment, Land, Water and Planning<br>(Vicmap Topographic Mapping Program) | Coordinate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



## Aerial Imagery 1966

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





## Aerial Imagery 1954

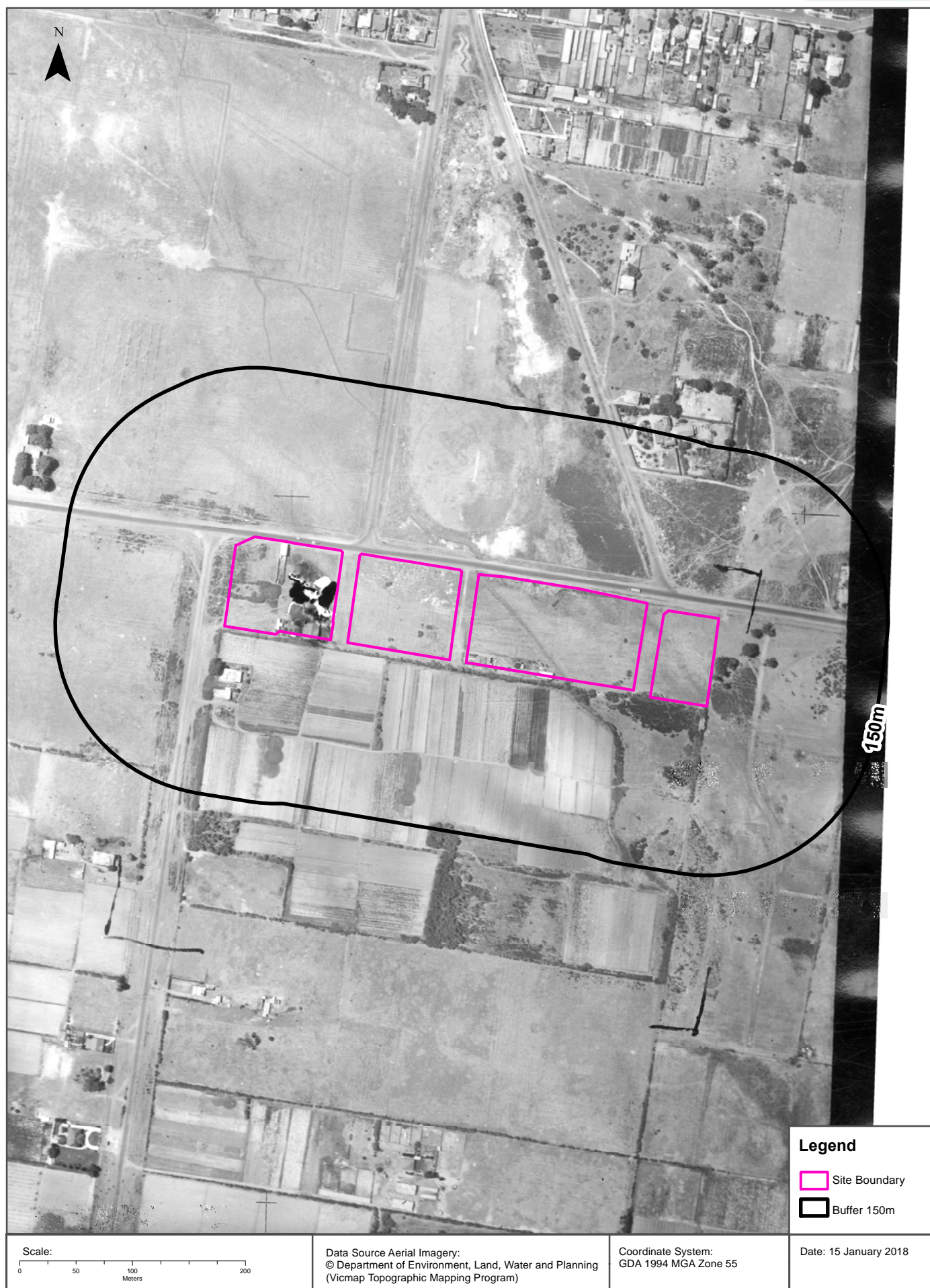
North Road & East Boundary Road, Bentleigh East, VIC 3165





## Aerial Imagery 1945

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





## Aerial Imagery 1931

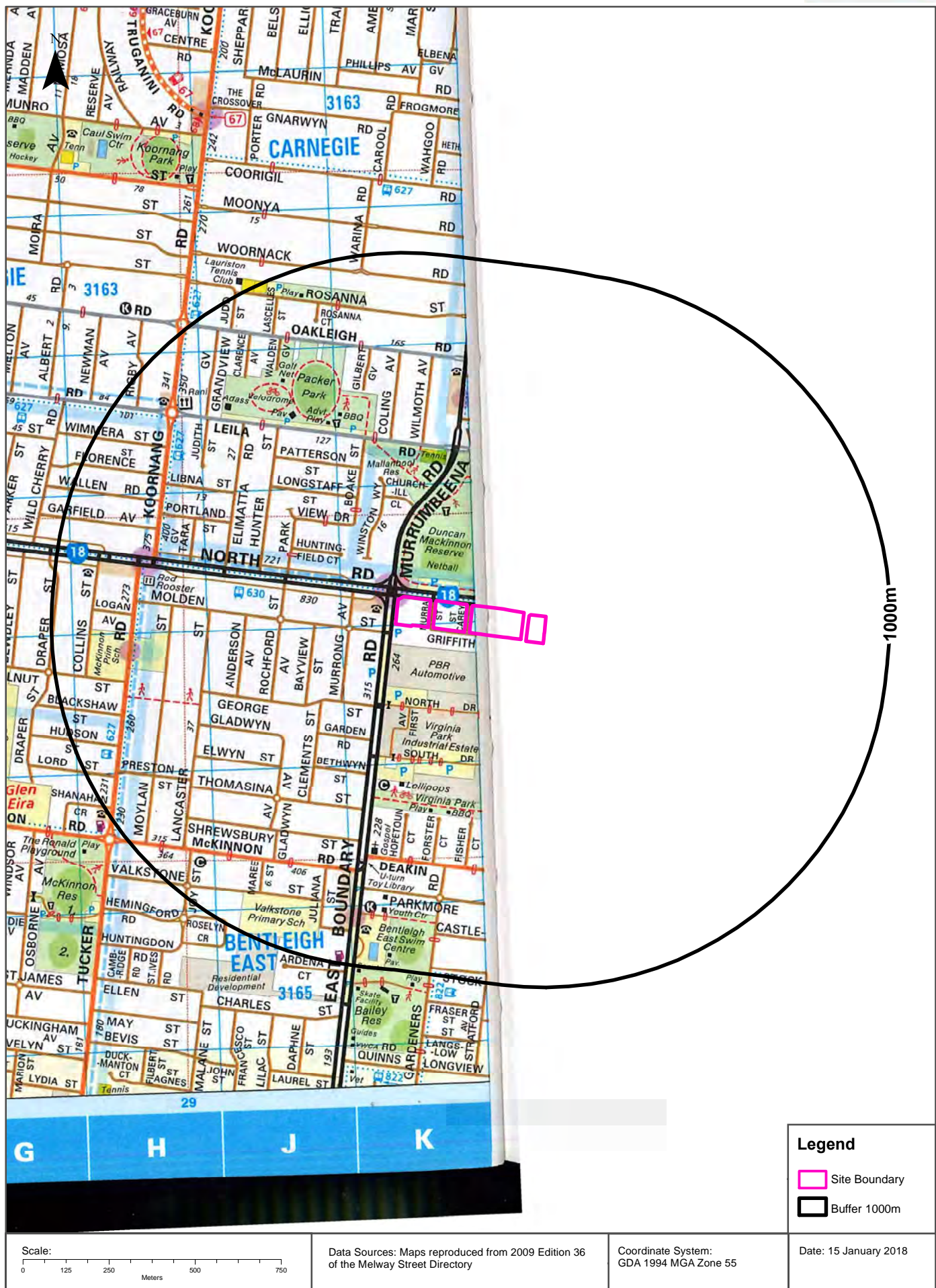
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 2009

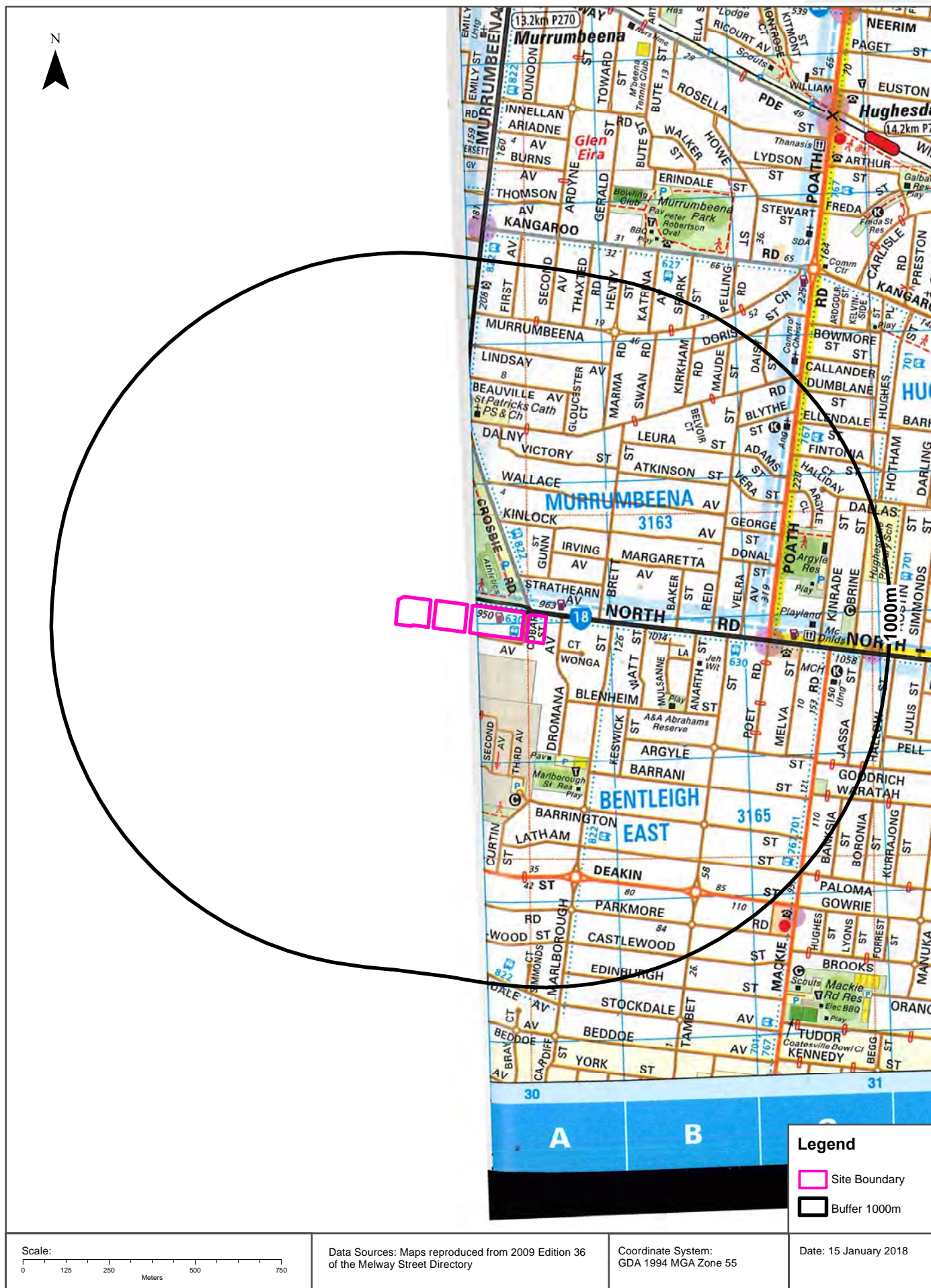
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 2009

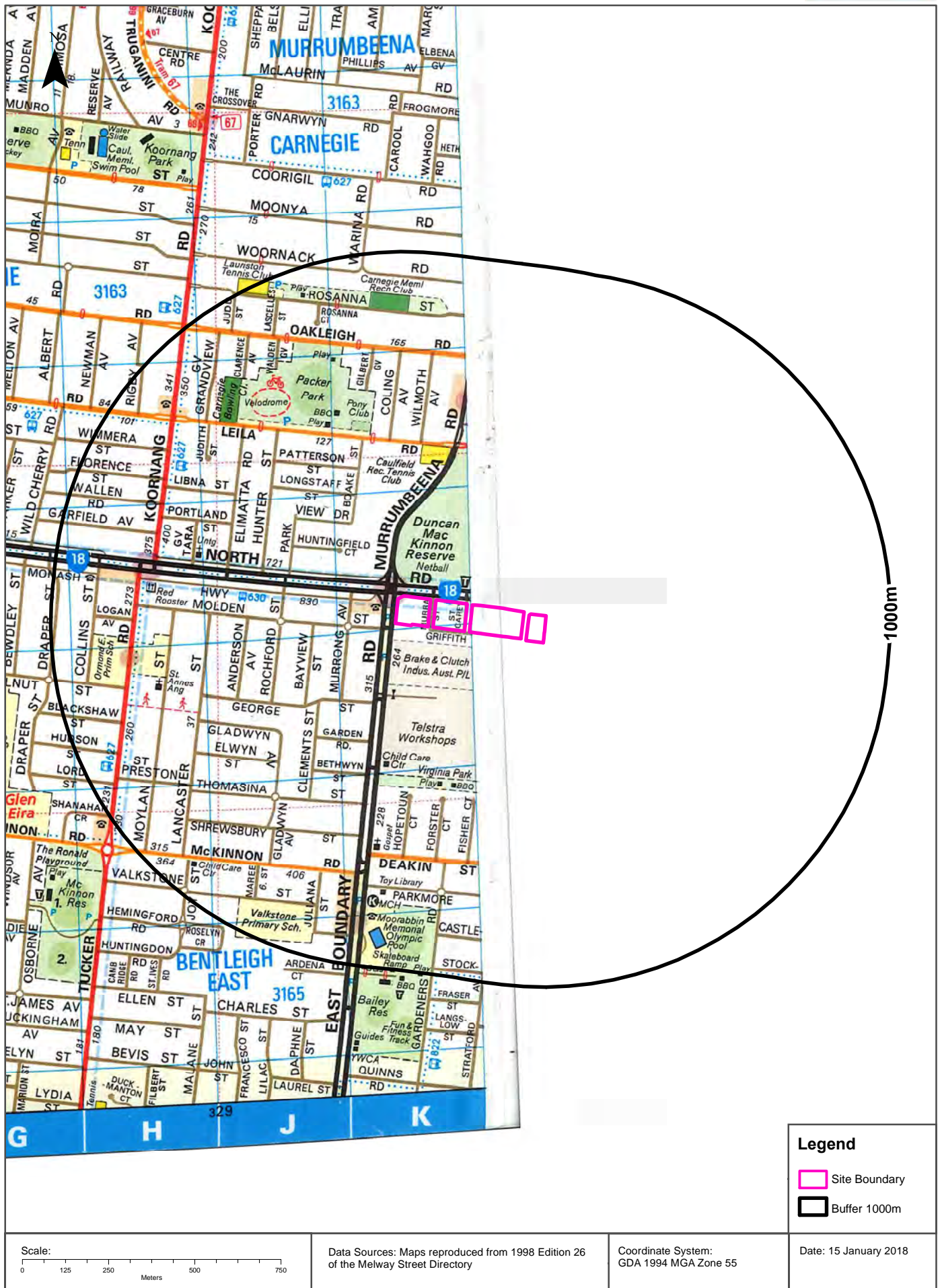
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 1998

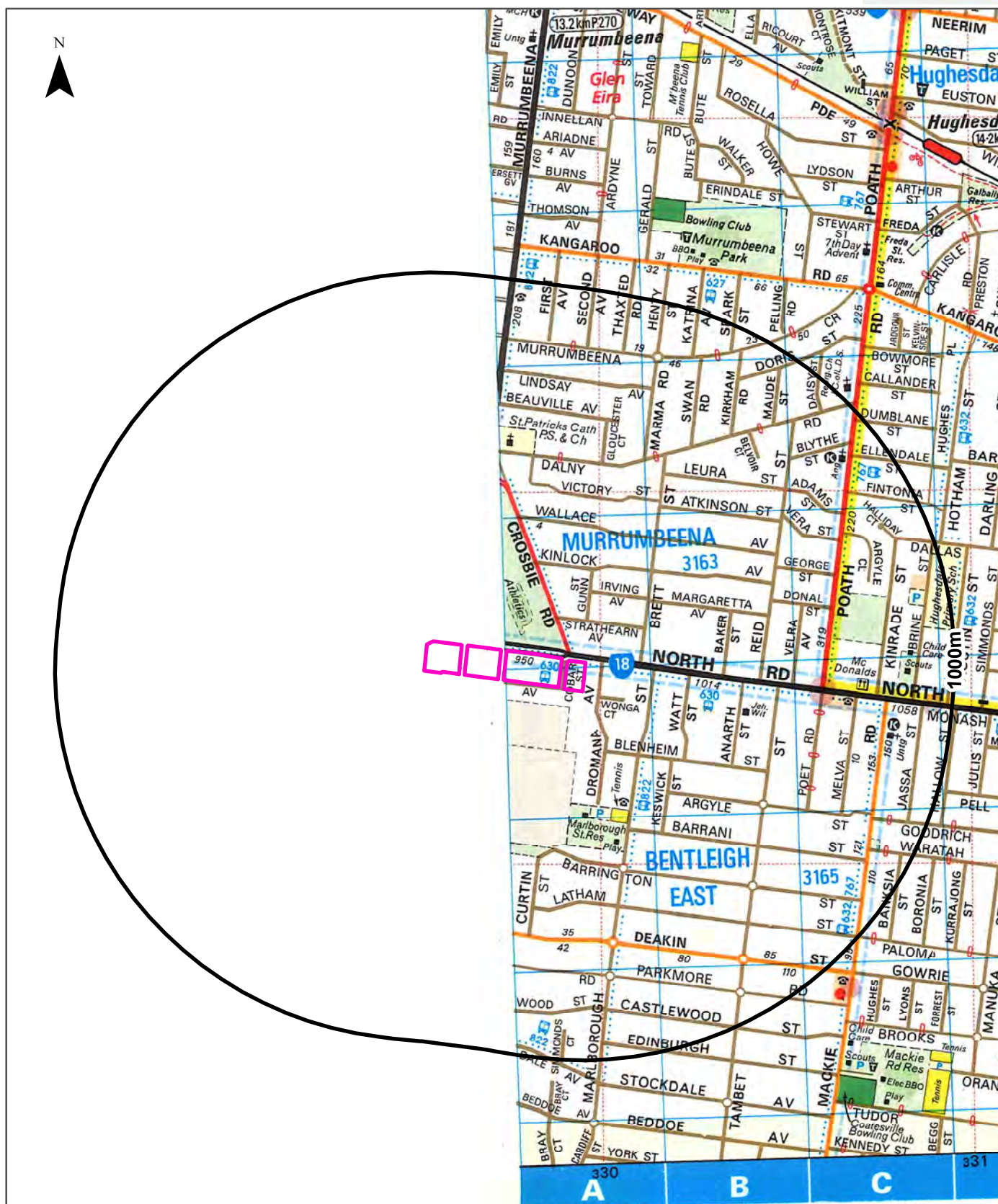
North Road & East Boundary Road, Bentleigh East, VIC 3165





# 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

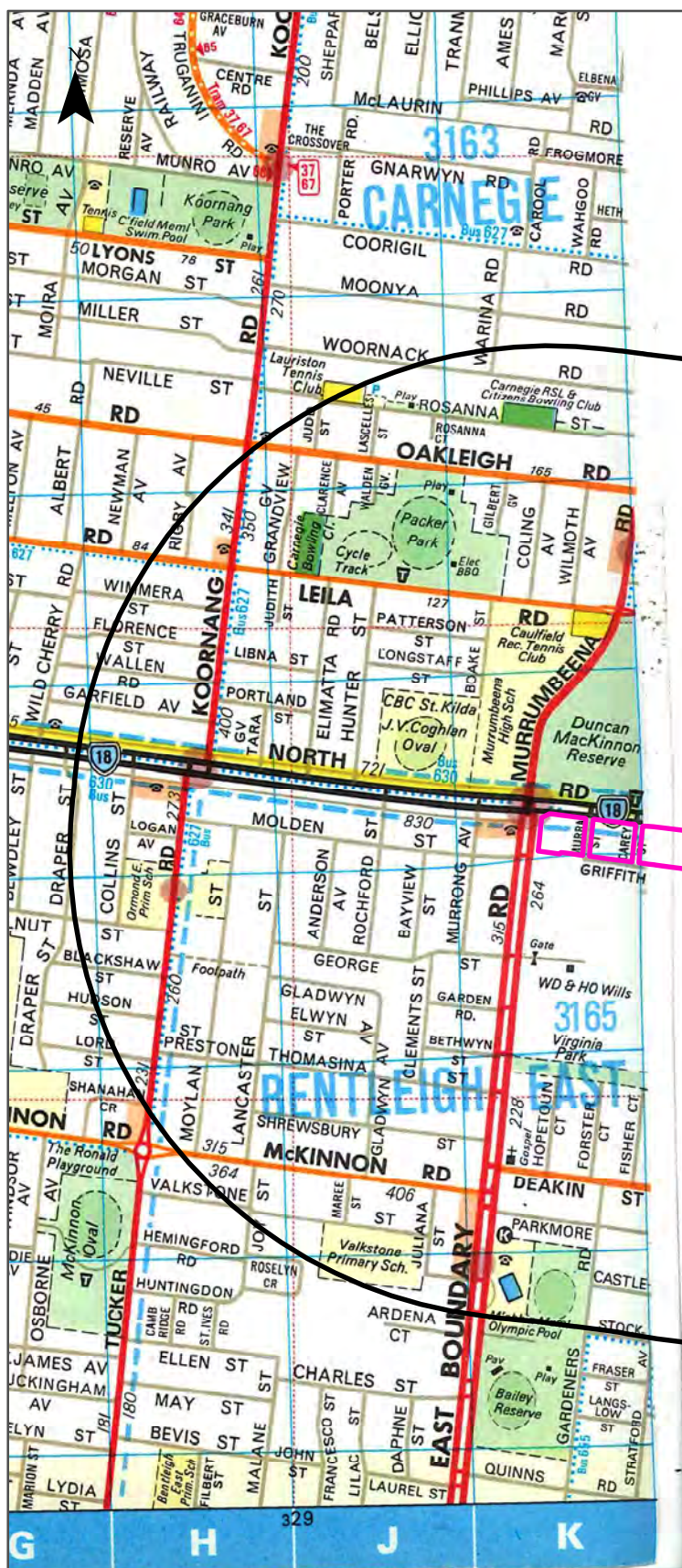
Coordinate System: GDA 1994 MGA Zone 55

Date: 15 January 2018



# Historical Map 1986

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



1000m

## Legend

- Site Boundary
- Buffer 1000m

Scale:  
0 125 250 500 750  
Meters

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

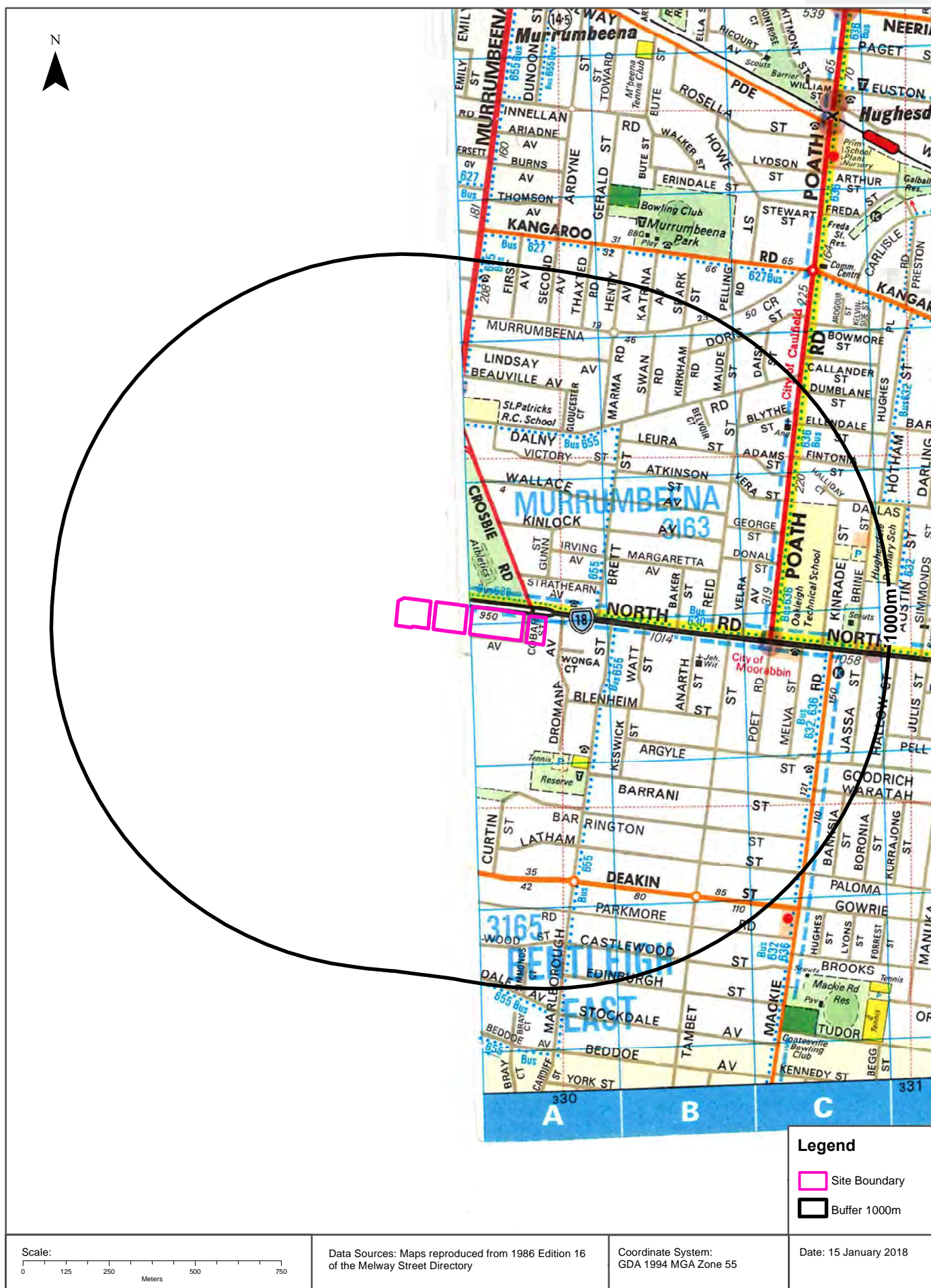
Coordinate System:  
GDA 1994 MGA Zone 55

Date: 15 January 2018



# Historical Map 1986

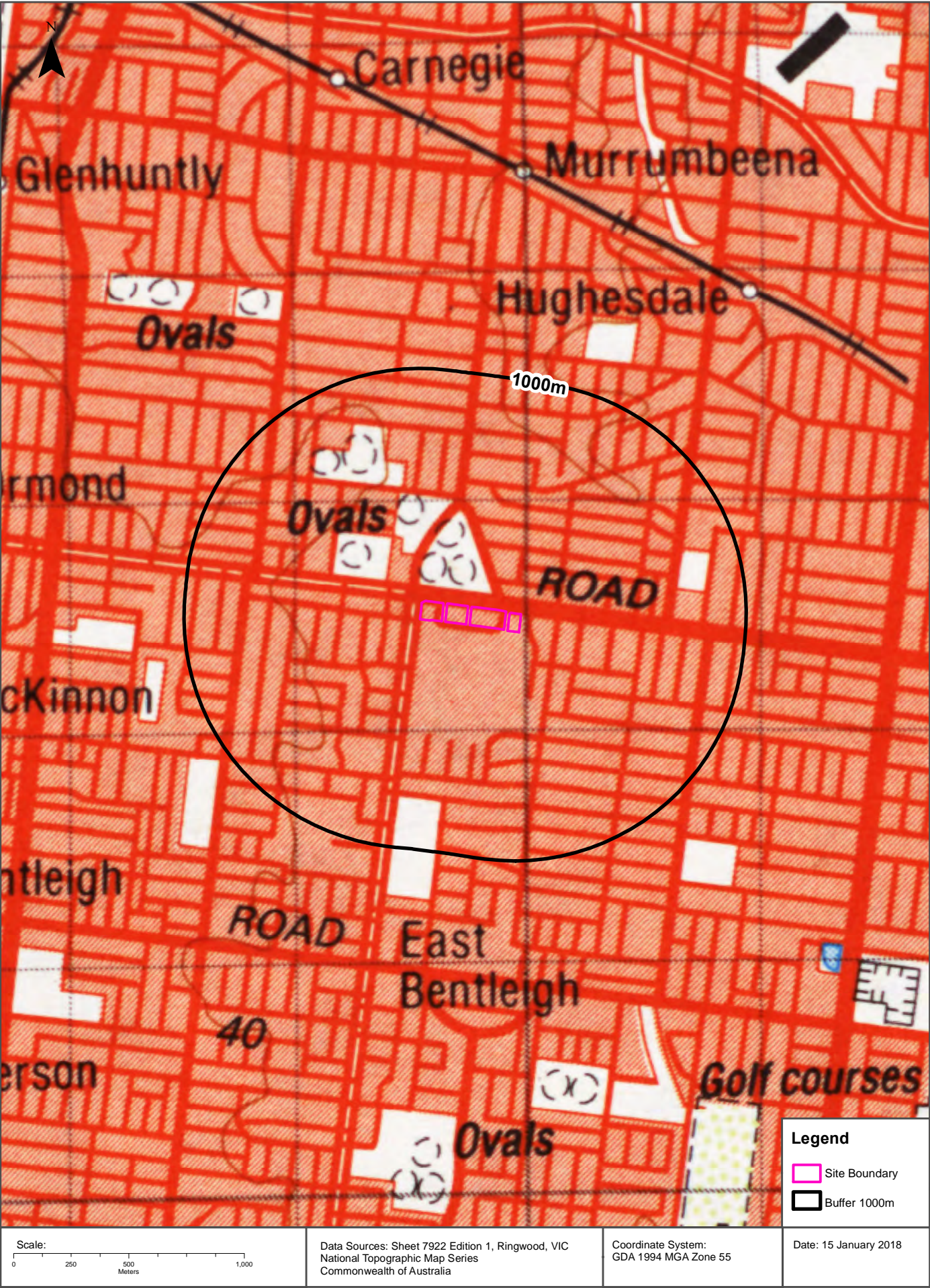
North Road & East Boundary Road, Bentleigh East, VIC 3165





Historical Map 1982

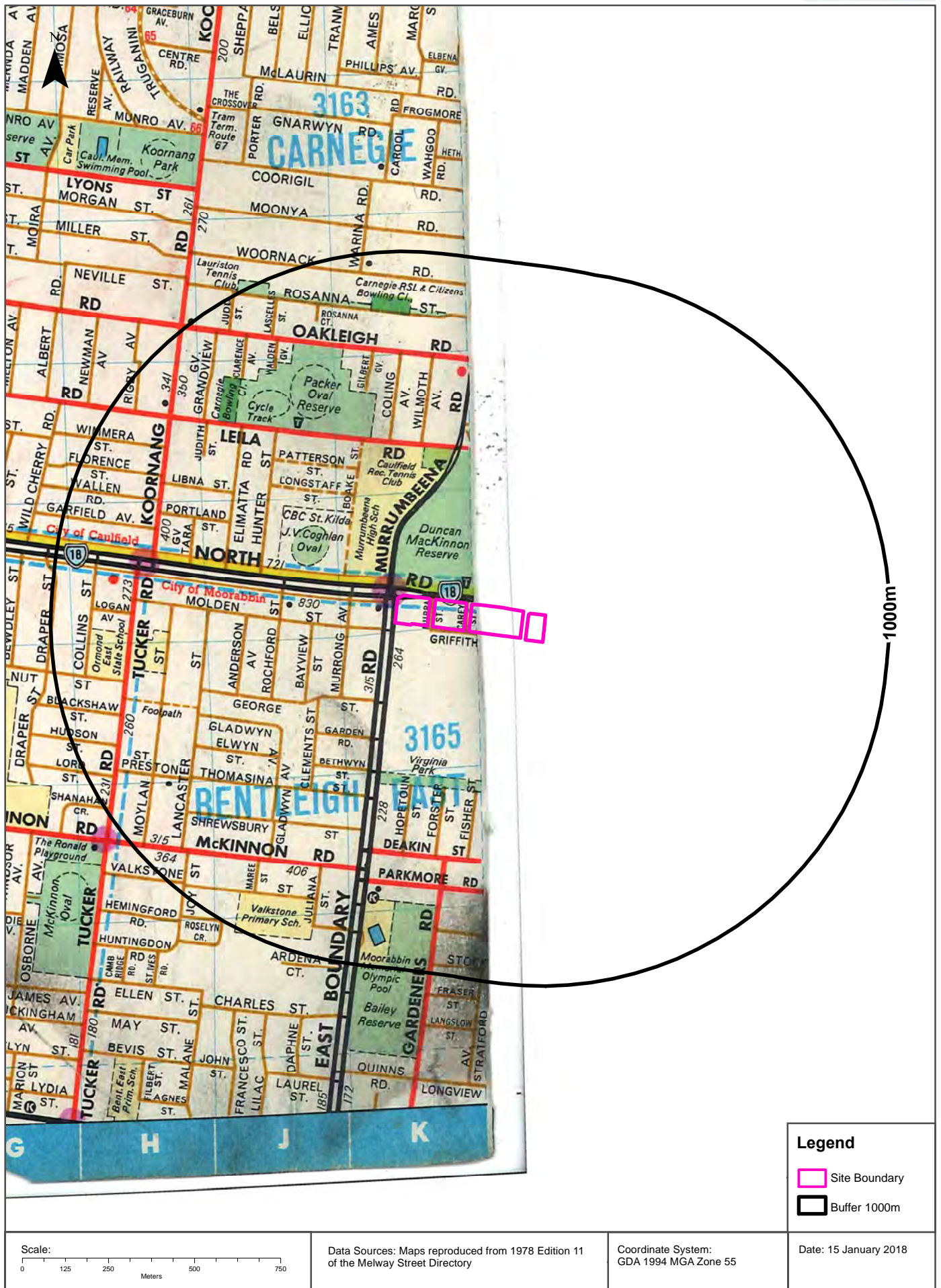
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 1978

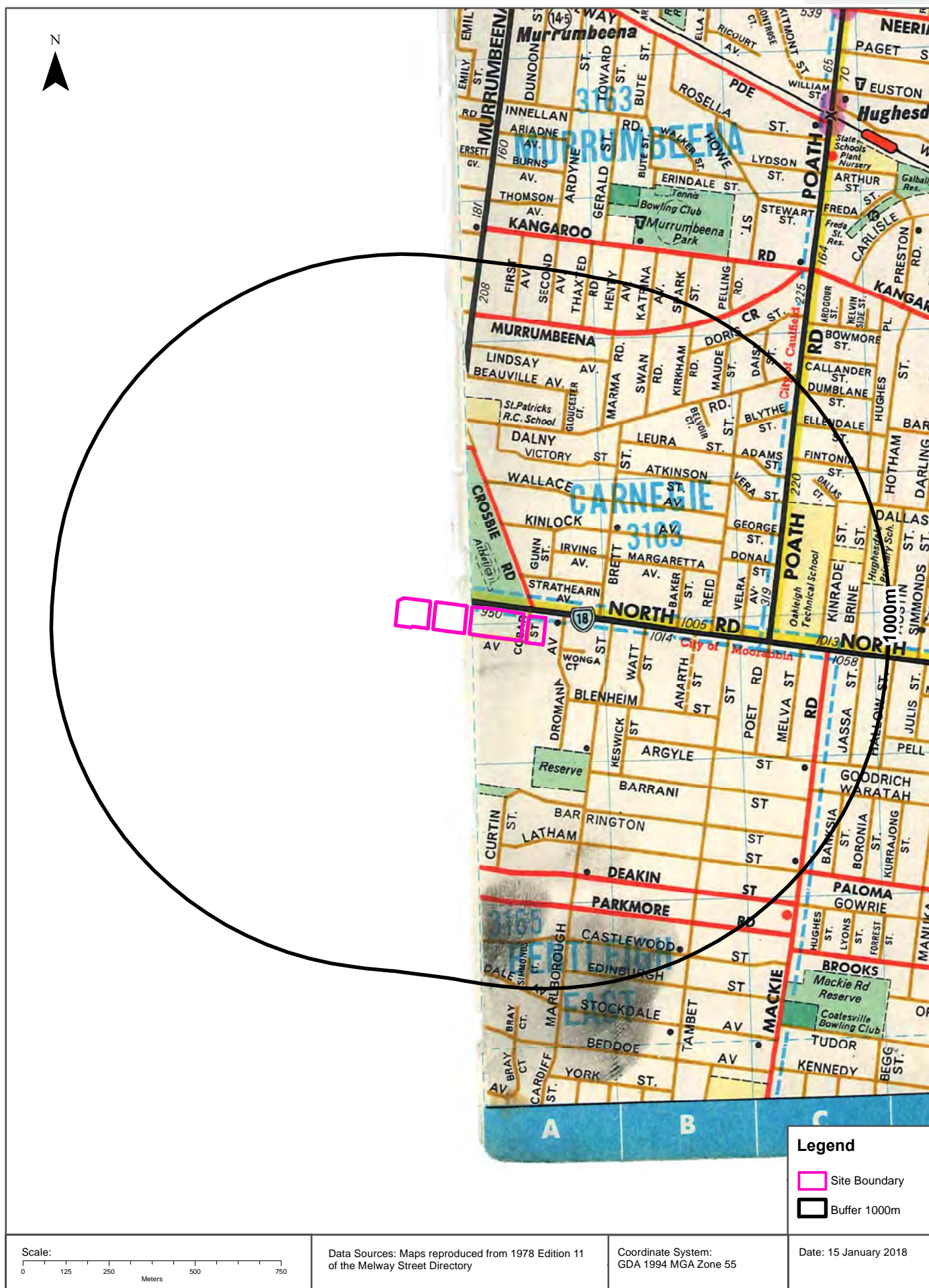
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 1978

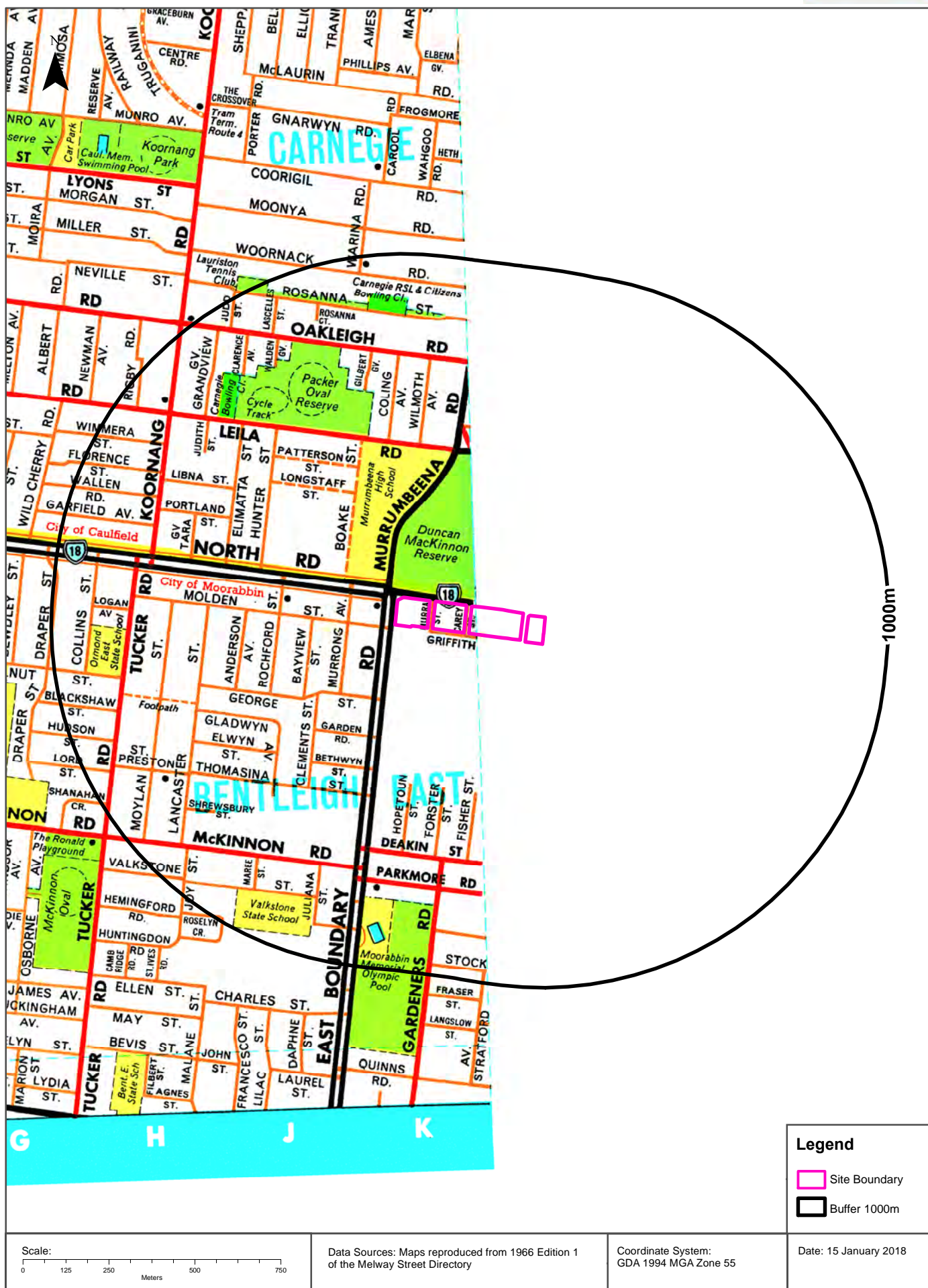
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 1966

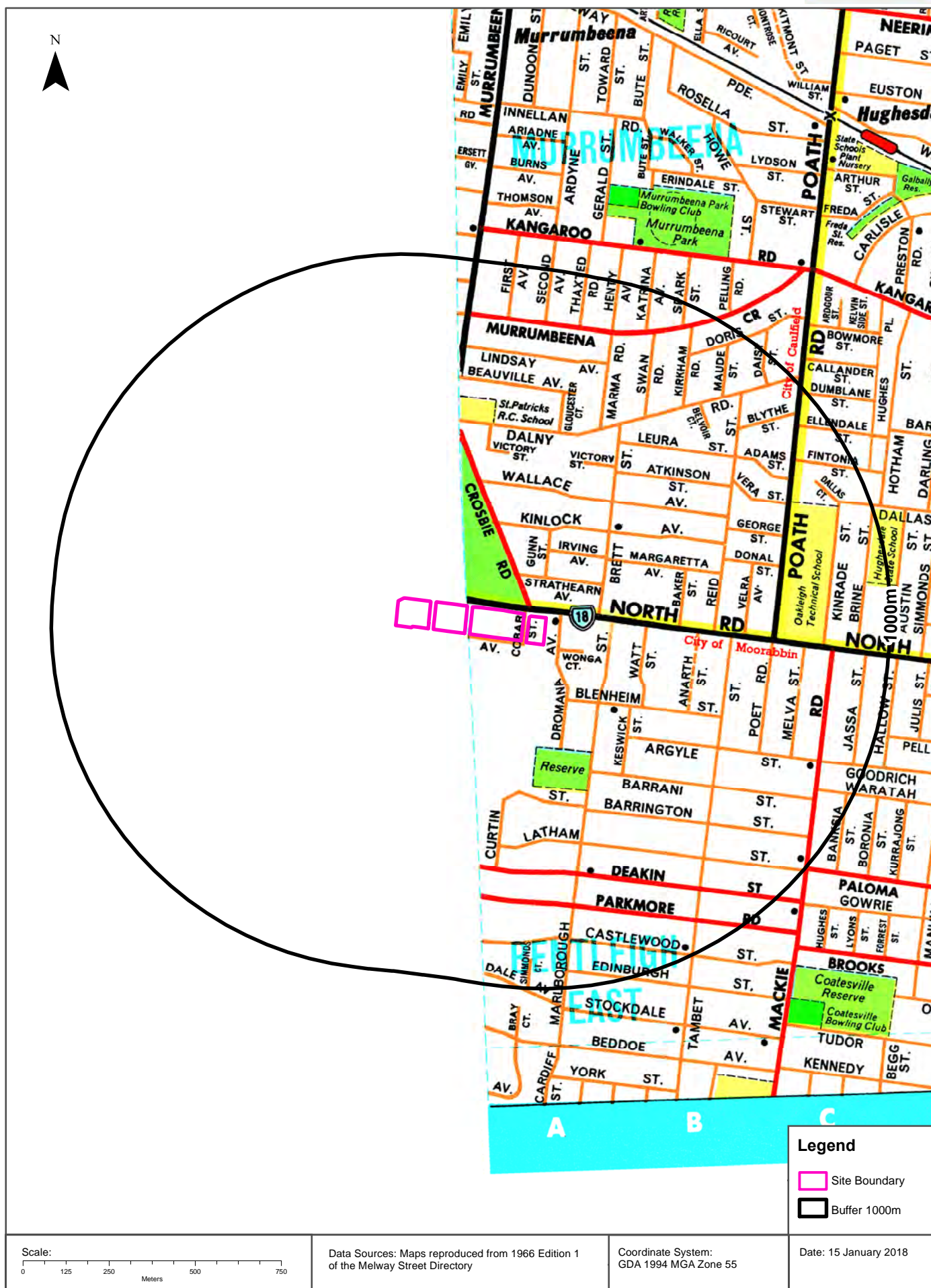
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Historical Map 1966

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







**Legend**

- Site Boundary
- Buffer 150m
- Map Boundary

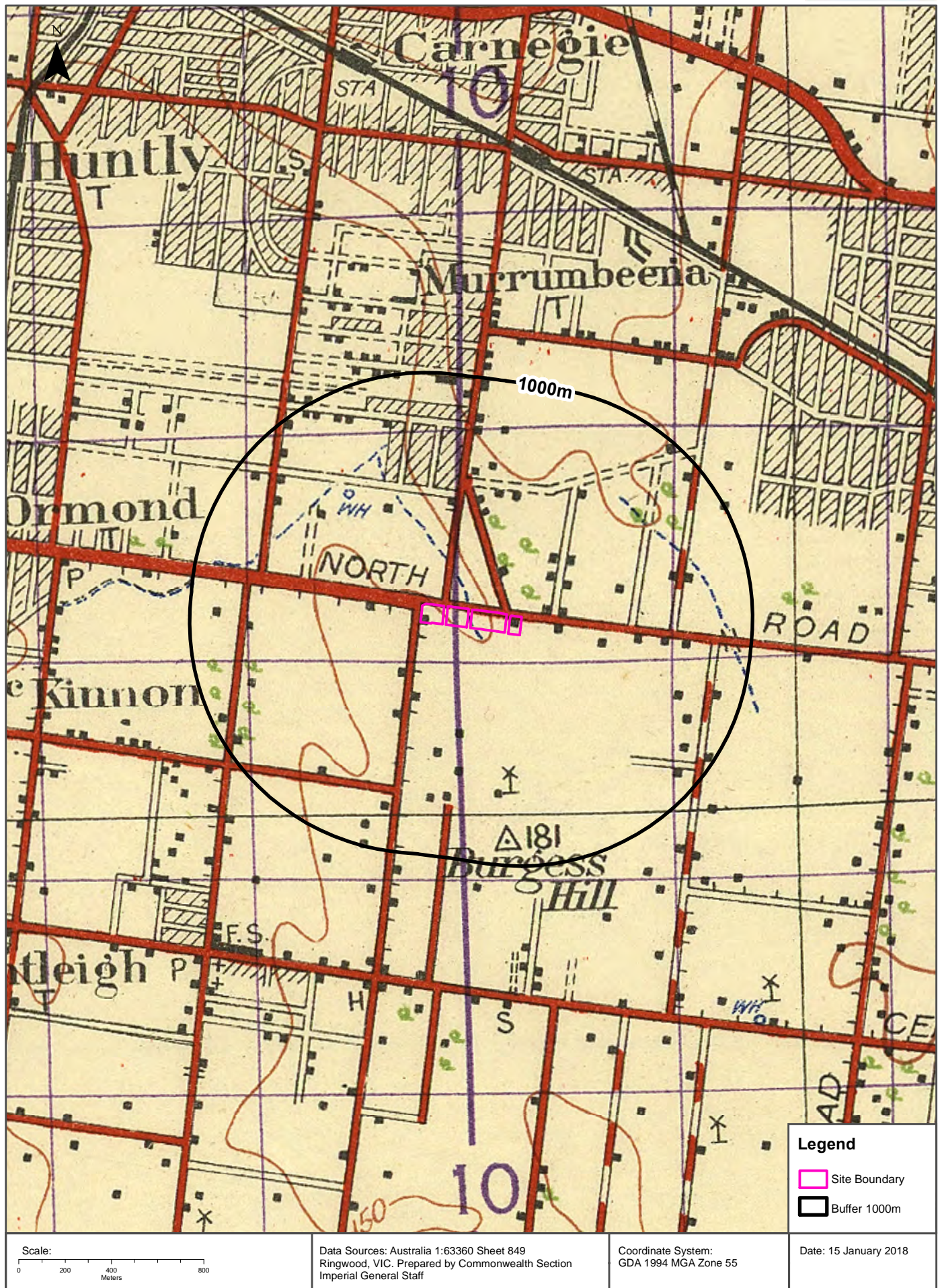
Coordinate System:  
GDA 1994 MGA Zone 55

Date: 08 February 2018



## Historical Map 1922

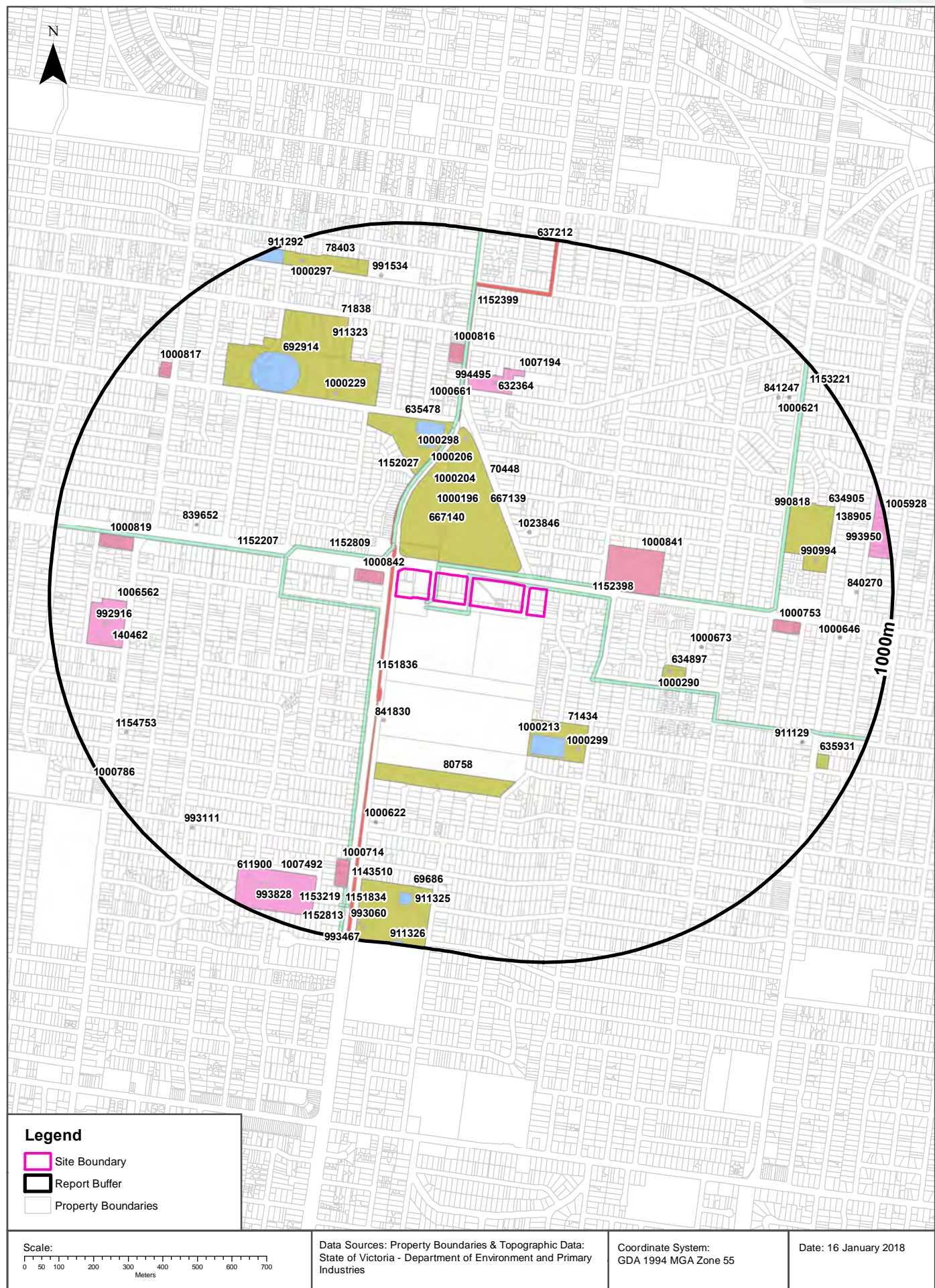
North Road & East Boundary Road, Bentleigh East, VIC 3165





# Features of Interest

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      |



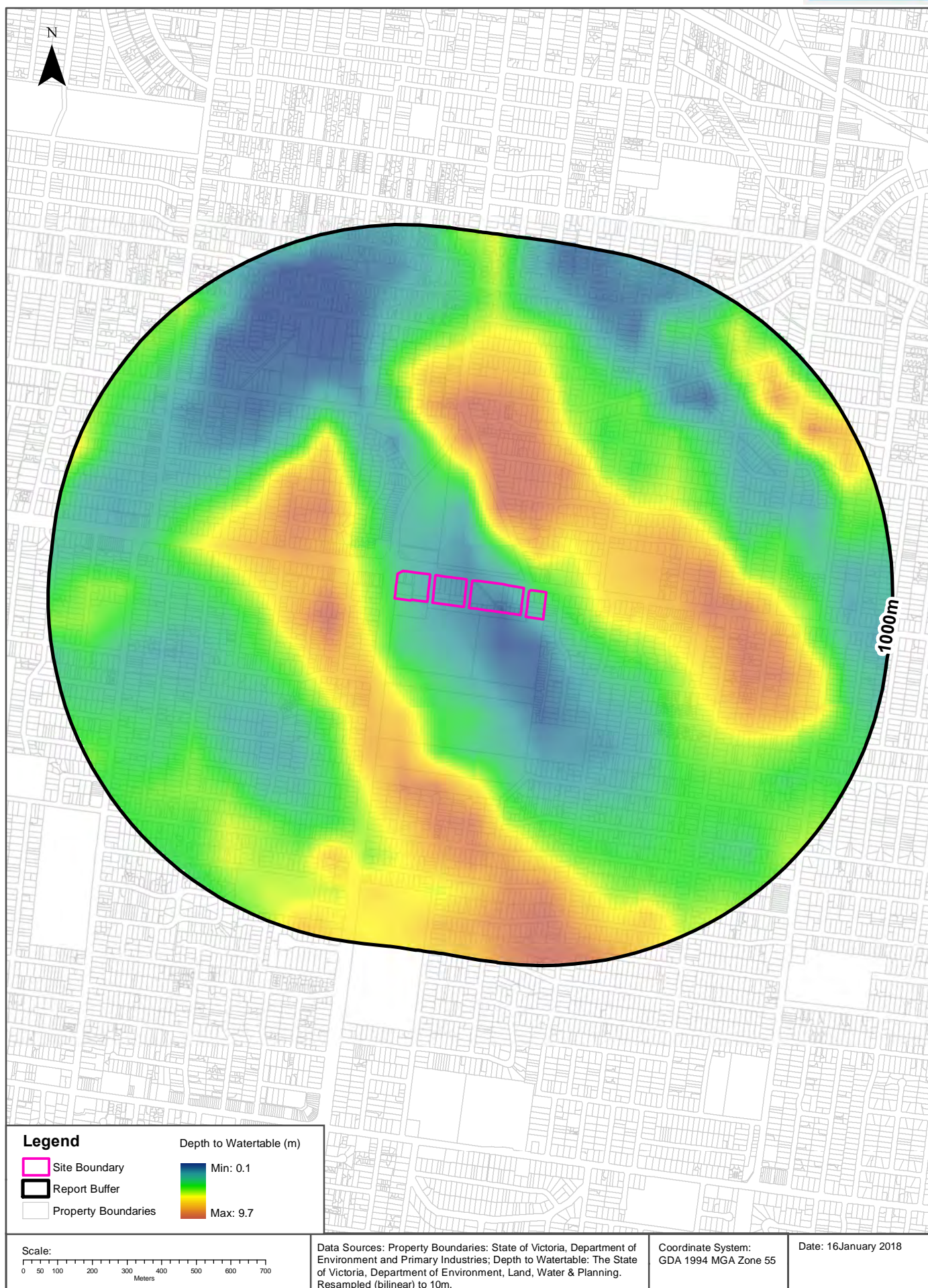
| Feature Id | Feature Type          | Feature Sub Type       | Name  | Distance | Direction  |
|------------|-----------------------|------------------------|---|----------|------------|
| 911323     | sport facility        | sports ground          |   | 577m     | North West |
| 632364     | education 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

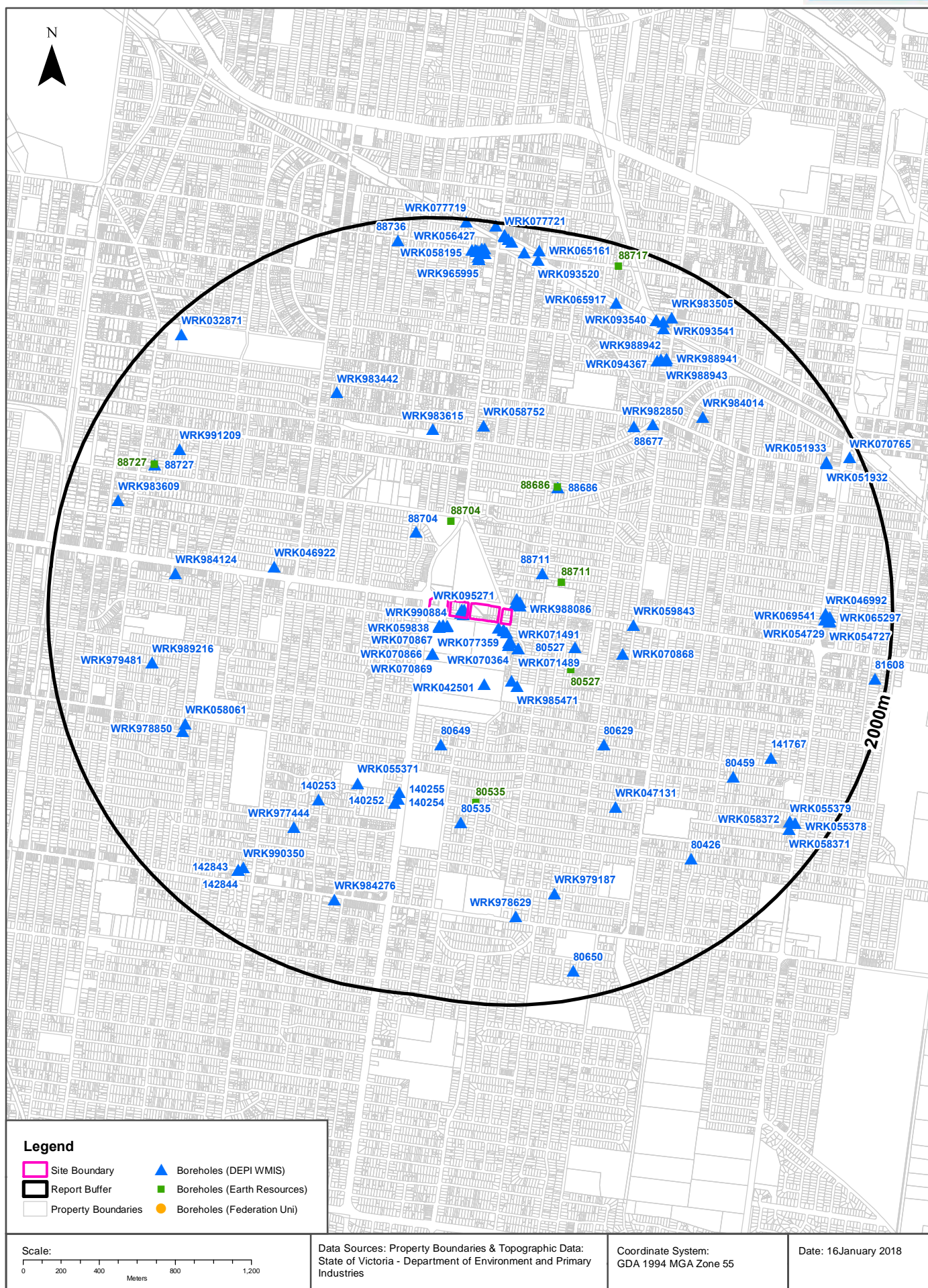
Approximate on-site Basement Elevation:

| 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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**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<br>0.50m-4.00m CLAYEY SAND   | 0.00m-1.00m INNER LINING - CASING = Pvc<br>1.00m-4.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.25m OUTER LINING - GRAVEL = Cement<br>0.25m-0.75m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.50m-4.00m CLAYEY SAND   | 0.00m-1.00m INNER LINING - CASING = Pvc<br>1.00m-4.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.25m OUTER LINING - GRAVEL = Cement<br>0.25m-0.75m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.50m-4.00m CLAYEY SAND   | 0.00m-1.00m INNER LINING - CASING = Pvc<br>1.00m-4.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.25m OUTER LINING - GRAVEL = Cement<br>0.25m-0.75m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.50m-4.00m CLAYEY SAND   | 0.00m-1.00m INNER LINING - CASING = Pvc<br>1.00m-4.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.25m OUTER LINING - GRAVEL = Cement<br>0.25m-0.75m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.70m-1.00m CLAYey silt<br>1.00m-2.90m SILTy clay<br>2.90m-4.00m SILTy sand grey | 0.00m-1.00m INNER LINING - CASING = Pvc<br>0.00m-0.15m OUTER LINING - GRAVEL = Cement<br>0.15m-0.70m OUTER LINING - GRAVEL = Bentonite<br>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<br>1.00m-3.20m CLAY<br>3.20m-4.00m SAND  | 0.00m-1.50m INNER LINING - CASING = Pvc<br>1.50m-4.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>0.30m-1.30m OUTER LINING - GRAVEL = Bentonite<br>1.30m-4.00m OUTER LINING - GRAVEL = Gravel |                     |                  | 2014-10-16     | 28       | South East |
| WRK075178 | Observation   | 0.00m-1.00m SILT<br>1.00m-3.20m CLAY<br>3.20m-4.00m SAND  | 0.00m-1.50m INNER LINING - CASING = Pvc<br>1.50m-4.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>0.30m-1.30m OUTER LINING - GRAVEL = Bentonite<br>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<br>2.00m-4.50m sandy clay         | 0.00m-2.50m INNER LINING - CASING = Pvc<br>2.50m-4.50m INNER LINING - SCREEN = Pvc<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>0.30m-1.50m OUTER LINING - GRAVEL = Bentonite<br>2.00m-4.50m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-2.50m Clay<br>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<br>0.40m-4.00m CLAY<br>4.00m-8.00m SAND | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-8.00m INNER LINING - SCREEN = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>1.00m-2.00m OUTER LINING - GRAVEL = Bentonite<br>2.00m-8.00m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-2.00m Clay<br>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<br>1.50m-4.50m INNER LINING - SCREEN = Pvc<br>0.00m-0.50m OUTER LINING - GRAVEL = Cement<br>0.50m-1.00m OUTER LINING - GRAVEL = Bentonite<br>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<br>4.00m-5.50m INNER LINING - SCREEN = Pvc<br>0.00m-2.50m OUTER LINING - GRAVEL = Cement<br>2.50m-3.50m OUTER LINING - GRAVEL = Bentonite<br>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<br>1.50m-9.50m SAND   | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-9.50m INNER LINING - SCREEN = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>1.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>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<br>1.00m-5.00m SAND   | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-5.00m INNER LINING - SCREEN = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>1.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>1.50m-5.00m OUTER LINING - GRAVEL = Gravel |                     |                    | 2012-09-06     | 208      | South West |
| 88711     | Domestic         | 0.00m-3.00m BLACK CRAP<br>3.00m-9.00m DARK RED CLAY<br>9.00m-12.00m YELLOW CLAY FINE YELLOW SAND<br>12.00m-18.00m YELLOW FINE TO MEDIUM COARSE SAND<br>18.00m-23.00m WHITE YELLOW FINE TO MEDIUM COARSE SAND | 0.00m-22.00m INNER LINING - CASING = Pvc<br>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<br>0.30m-33.00m SILT SAND<br>33.00m-35.00m CLAY<br>35.00m-55.00m MUDSTONE   | 0.00m-37.50m INNER LINING - CASING = Pvc<br>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<br>1.00m-2.00m CLAY<br>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<br>18.29m-24.38m GREY FINE SAND<br>24.38m-30.48m GREEN GREY SAND<br>30.48m-32.00m FINE SANDY SILTS  | 0.00m-6.10m INNER LINING - CASING = Pvc Class 9<br>0.00m-30.48m INNER LINING - CASING = Pvc Class 9<br>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<br>10.00m-18.00m INNER LINING - SCREEN = Pvc<br>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<br>3.00m-6.00m LIGHT GREEN SANDY CLAY<br>6.00m-18.00m LIGHT GREEN SILTY FINE TO MEDIUM SAND<br>18.00m-18.20m HARD BAND<br>18.20m-20.80m DARK GREY SANDY CLAYEY SILT       | 0.00m-6.00m INNER LINING - CASING = Pvc<br>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<br>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<br>0.80m-2.50m brown clay<br>2.50m-11.00m white sandy clay<br>11.00m-14.00m medium sand<br>14.00m-21.00m coarse sand<br>21.00m-24.00m blue clay<br>24.00m-25.00m fine sand<br>25.00m-30.00m blue clay | 0.50m-14.00m INNER LINING - CASING = Pvc<br>14.00m-20.00m INNER LINING - SCREEN = Pvc<br>20.00m-30.00m INNER LINING - CASING = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>10.00m-30.00m OUTER LINING - GRAVEL = Gravel |                     | 0.50m-14.00m Clay<br>14.00m-20.00m Sand<br>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<br>6.00m-9.00m INNER LINING - SCREEN = Pvc<br>0.00m-5.00m OUTER LINING - GRAVEL = Cement<br>5.00m-5.50m OUTER LINING - GRAVEL = Bentonite<br>5.50m-9.00m OUTER LINING - GRAVEL = Gravel  |                     |   | 1998-09-15     | 951      | South      |
| WRK055371 | Observation               | 0.00m-4.00m hard clay<br>4.00m-13.00m sandy white clay<br>13.00m-28.00m coarse white sand<br>28.00m-31.00m black silt<br>31.00m-32.00m calcrete<br>32.00m-35.00m silt  | 0.00m-21.00m INNER LINING - CASING = Pvc<br>21.00m-27.00m INNER LINING - SCREEN = Pvc<br>27.00m-31.50m INNER LINING - CASING = Pvc<br>0.00m-31.50m OUTER LINING - GRAVEL = Cement  |                     | 0.00m-21.00m Sand<br>21.00m-27.00m Sand<br>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<br>5.00m-8.00m INNER LINING - SCREEN = Pvc<br>0.00m-4.00m OUTER LINING - GRAVEL = Cement<br>4.00m-4.50m OUTER LINING - GRAVEL = Bentonite<br>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<br>4.00m-7.00m INNER LINING - SCREEN = Pvc<br>0.00m-3.00m OUTER LINING - GRAVEL = Cement<br>3.00m-3.50m OUTER LINING - GRAVEL = Bentonite<br>3.50m-7.00m OUTER LINING - GRAVEL = Gravel  |                     |   | 1998-09-16     | 1013     | South      |
| 80535     | Domestic                  | 0.00m-0.61m TOP SOIL<br>0.61m-0.91m HARD PAN<br>0.91m-2.13m CLAY<br>2.13m-3.61m SANDSTONE LAYERS AND CLAY<br>3.61m-14.93m COARSE FINE SAND WITH COARSE PARTICLES<br>14.93m-17.37m COARSER WITH STILL A LOT OF FINES        | 0.00m-16.37m INNER LINING - CASING = Pvc<br>16.37m-17.37m INNER LINING - SCREEN = Pvc  |                     | 16.37m-17.37m Sand  | 1983-10-07     | 1065     | South      |
| WRK047131 |                           | 0.00m-2.00m CLAY<br>2.00m-60.00m MUDSTONE<br>60.00m-80.00m BLUESTONE   | 0.00m-48.00m INNER LINING - CASING = Pvc<br>48.00m-54.00m INNER LINING - SLOT = Pvc<br>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<br>5.00m-8.00m INNER LINING - SCREEN = Pvc<br>0.00m-4.00m OUTER LINING - GRAVEL = Cement<br>4.00m-4.50m OUTER LINING - GRAVEL = Bentonite<br>4.50m-8.00m OUTER LINING - GRAVEL = Gravel  |                     |   | 1998-09-16     | 1136     | South West |
| 88677     | Domestic, Stock           | 0.00m-0.61m SOIL<br>0.61m-6.10m CLAY<br>6.10m-7.62m SAND   | 0.00m-6.09m INNER LINING - CASING = Not Known<br>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<br>0.61m-1.22m YELLOW GREY CLAY<br>1.22m-3.66m SILTY SAND<br>3.66m-9.14m WHITE SAND (FINE)  | 0.00m-9.14m INNER LINING - CASING = Not Known<br>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<br>11.50m-14.50m MEDIUM TO COARSE SANDS<br>14.50m-16.00m FIRM BROWN CLAY   |  |                     |                                      | 2008-09-02     | 1433     | South West |
| WRK979481 |                  |  |  |                     |                                      |                | 1475     | West       |
| WRK989216 | Domestic         | 1.00m-6.00m brown clay<br>6.00m-9.00m clay sand<br>9.00m-20.00m sand fin/med<br>20.00m-22.00m fortified wood<br>22.00m-24.00m black shells sand<br>24.00m-26.00m clayey sand   | 0.00m-20.00m INNER LINING - CASING = Pvc<br>20.00m-26.00m INNER LINING - SLOT = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>18.00m-19.00m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.50m-4.50m INNER LINING - SCREEN = Pvc<br>0.00m-0.50m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.30m-2.40m CLAY<br>2.40m-18.00m SANDY CLAY<br>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<br>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<br>1.67m-3.04m CLAY VARYING FROM RED TO WHITE<br>3.04m-5.50m SAND VARYING SHOWS OF CLAY<br>5.50m-5.65m SANDSTONE<br>5.65m-10.90m FINE WHITE SAND<br>10.90m-11.00m HARD RED SANDSTONE<br>11.00m-13.00m SAND AND GRAVEL<br>13.00m-13.70m SAND (GRAVEL DISAPPEARED)<br>13.70m-14.00m FINE WHITE SAND, LITTLE GRAVEL<br>14.00m-23.00m DITTO BUT GRAVEL COARSER - PLENTY | 0.00m-18.00m INNER LINING - CASING = Pvc<br>18.00m-23.00m INNER LINING - SCREEN = Pvc<br>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<br>0.70m-1.30m sitly clay<br>1.30m-2.20m slightly clay<br>2.20m-6.00m slightly clayey sand  | 0.00m-3.00m INNER LINING - CASING = Pvc<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>1.30m-2.30m OUTER LINING - GRAVEL = Bentonite<br>2.30m-6.00m OUTER LINING - GRAVEL = Gravel  |                     | 0.00m-3.00m Clay<br>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<br>0.50m-4.00m sandy clay<br>4.00m-13.00m silty sand orange moist<br>13.00m-26.00m sand<br>26.00m-28.00m silty sand   | 0.00m-21.00m INNER LINING - CASING = Pvc<br>21.00m-27.00m INNER LINING - SCREEN = Pvc<br>27.00m-28.00m INNER LINING - CASING = Pvc<br>0.00m-14.00m OUTER LINING - GRAVEL = Cement<br>14.00m-15.00m OUTER LINING - GRAVEL = Bentonite<br>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<br>1.30m-2.20m silty clay<br>2.20m-6.00m silty clayey sand  | 0.00m-3.00m INNER LINING - CASING = Pvc<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>1.30m-2.30m OUTER LINING - GRAVEL = Bentonite<br>2.30m-6.00m OUTER LINING - GRAVEL = Gravel                     |                     | 0.00m-3.00m Clay<br>3.00m-6.00m Sand | 2010-03-18     | 1659     | East       |
| WRK054727 | Observation               | 0.00m-0.70m fill<br>0.70m-1.30m silty sand<br>1.30m-2.20m silty clay<br>2.20m-6.00m silty clayey sand  | 0.00m-3.00m INNER LINING - CASING = Pvc<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>1.30m-2.30m OUTER LINING - GRAVEL = Bentonite<br>2.30m-6.00m OUTER LINING - GRAVEL = Gravel                     |                     | 0.00m-3.00m Clay<br>3.00m-6.00m Sand | 2010-03-18     | 1668     | East       |
| WRK065298 | Observation               |  |   |                     |                                      | 2011-08-03     | 1669     | East       |
| WRK065297 | Observation               | 0.00m-0.60m FILL<br>0.60m-1.10m SAND<br>1.10m-2.90m CLAY<br>2.90m-6.00m SILT   | 0.00m-3.00m INNER LINING - CASING = Pvc<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-2.00m OUTER LINING - GRAVEL = Cement<br>2.00m-2.50m OUTER LINING - GRAVEL = Bentonite<br>2.50m-6.00m OUTER LINING - GRAVEL = Gravel                     |                     | 0.00m-3.00m Clay<br>3.00m-6.00m Silt | 2011-08-03     | 1670     | East       |
| 142843    | Groundwater Investigation | 0.00m-0.70m CLAYEY SAND, DARK GREY, BUILDING RUBBLE<br>0.70m-1.70m SILTY CLAY, BROWN, YELLOW, RED, SOME FINE SAND<br>1.70m-3.00m SANDY RED BROWN<br>3.00m-4.80m CLAYEY SAND, GREY, BROWN, DARK GREY<br>4.80m-8.50m SAND, BROWN, LIGHT GREY | 0.00m-5.50m INNER LINING - CASING = Pvc Class 18<br>5.50m-8.50m INNER LINING - SCREEN = Pvc Class 18<br>0.00m-3.20m OUTER LINING - GRAVEL = Cement<br>3.20m-4.20m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.70m-1.70m SILTY CLAY BROWN YELLOW RED SOME FINE SAND<br>1.70m-3.00m SAND RED BROWN<br>3.00m-4.80m CLAYEY SAND, BROWN DARK GREY<br>4.80m-8.50m SAND, BROWN, LIGHT GREY               | 0.00m-5.50m INNER LINING - CASING = Pvc Class 18<br>5.50m-8.50m INNER LINING - SCREEN = Pvc Class 18<br>0.00m-3.20m OUTER LINING - GRAVEL = Cement<br>3.20m-4.20m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.70m-1.70m SILTY CLAY, BROWN, YELLOW, RED, SOME FINE SAND<br>1.70m-3.00m SAND RED BROWN<br>3.00m-4.80m CLAYEY SAND, GREY BROWN DK GREY<br>4.80m-8.50m SAND, BROWN, LIGHT GREY        | 0.00m-5.50m INNER LINING - CASING = Pvc Class 18<br>5.50m-8.50m INNER LINING - SCREEN = Pvc Class 18<br>0.00m-3.20m OUTER LINING - GRAVEL = Cement<br>3.20m-4.20m OUTER LINING - GRAVEL = Bentonite<br>4.20m-8.50m OUTER LINING - GRAVEL = Gravel   |                     |                                      | 1999-06-24     | 1678     | South West |
| WRK093541 | Observation               | 0.00m-0.30m FILL/SANDY GRAVEL<br>0.30m-0.80m SAND<br>0.80m-3.10m SAND/CLAYISH<br>3.10m-10.00m SAND<br>10.00m-11.50m SILT/SAND<br>11.50m-17.30m SILT/CLAY<br>17.30m-23.70m SILTSTONE<br>23.70m-24.30m SANDSTONE<br>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<br>0.20m-1.20m NATURAL SAND<br>1.20m-2.60m SANDY CLAY<br>2.60m-8.40m SAND<br>8.40m-13.00m SILTY SAND<br>13.00m-13.70m SILTY CLAY<br>13.70m-23.00m SILTSTONE  | 0.00m-8.00m INNER LINING - CASING = Pvc Class 18<br>8.00m-14.00m INNER LINING - SCREEN = Pvc Class 18<br>0.00m-0.30m OUTER LINING - GRAVEL = Cement<br>0.30m-14.00m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.30m-10.80m NATURAL SAND<br>10.80m-14.20m SILTY SAND<br>14.20m-16.50m SILTY CLAY<br>16.50m-24.30m SILTSTONE   | 0.00m-16.60m INNER LINING - CASING = Pvc Class 18<br>16.60m-21.60m INNER LINING - SCREEN = Pvc Class 18<br>0.00m-0.60m OUTER LINING - GRAVEL = Cement<br>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<br>0.50m-1.00m fill<br>1.00m-4.00m gravel/clay<br>4.00m-7.00m sandy clay  | 0.00m-3.50m INNER LINING - CASING = Pvc<br>3.50m-8.00m INNER LINING - SCREEN = Pvc<br>0.00m-3.00m OUTER LINING - GRAVEL = Cement<br>3.00m-3.50m OUTER LINING - GRAVEL = Bentonite<br>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<br>1.60m-6.00m SILTYSAND,MEDSAND,BWN, WET 5M  | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>1.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>1.50m-6.00m OUTER LINING - GRAVEL = Gravel |                     |                                      | 2004-05-27     | 1797     | North      |
| WRK965988 | Groundwater Investigation | 0.00m-1.60m SILT, BWN, DRY, FIRM<br>1.60m-6.00m SILTYSAND,MEDSAND,BWN, WET 5M  | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-1.00m OUTER LINING - GRAVEL = Cement<br>1.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>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<br>2.00m-5.00m clayey sands<br>5.00m-6.00m sands  | 0.00m-3.00m INNER LINING - CASING = Pvc<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-1.50m OUTER LINING - GRAVEL = Cement<br>1.50m-2.50m OUTER LINING - GRAVEL = Bentonite<br>2.50m-6.00m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-3.00m Clay<br>3.00m-6.00m Sand | 2009-10-22     | 1822     | North East |
| WRK055378 | Observation               | 0.00m-1.20m fill<br>1.20m-6.00m clayey sands   | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-2.00m OUTER LINING - GRAVEL = Bentonite<br>2.00m-6.00m OUTER LINING - GRAVEL = Gravel   |                     | 0.00m-2.00m Sand<br>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<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-1.50m OUTER LINING - GRAVEL = Cement<br>1.50m-2.50m OUTER LINING - GRAVEL = Bentonite<br>2.50m-6.00m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-3.00m Clay<br>3.00m-6.00m Clay | 2009-10-22     | 1827     | North East |
| WRK090845 | Investigation             | 0.00m-1.00m FILL<br>1.00m-2.50m CLAY<br>2.50m-4.00m SANDY CLAY<br>4.00m-6.00m CLAYEY SAND  | 0.00m-2.00m INNER LINING - CASING = UPVC class 9<br>0.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>1.50m-6.00m OUTER LINING - GRAVEL = Gravel   |                     |                                      | 2015-12-15     | 1832     | North      |
| WRK093520 | Observation               | 0.00m-0.05m FILL/ASPHALT<br>0.05m-0.40m GRAVEL/SANDY<br>0.40m-5.40m SAND/NATURAL<br>5.40m-13.60m SAND/SILTY<br>13.60m-14.20m CLAY/SILTY<br>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<br>0.50m-1.50m silty clay<br>1.50m-6.00m clayey sand   | 0.00m-2.00m INNER LINING - CASING = Pvc<br>2.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-0.50m OUTER LINING - GRAVEL = Cement<br>0.50m-1.70m OUTER LINING - GRAVEL = Bentonite<br>1.70m-6.00m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-2.00m Clay<br>2.00m-6.00m Sand | 2010-08-18     | 1844     | North      |
| WRK056427 | Observation   | 0.00m-0.50m sand<br>0.50m-1.80m sandy clay<br>1.80m-6.00m clayey sand   | 0.00m-3.00m INNER LINING - CASING = Pvc<br>3.00m-6.00m INNER LINING - SCREEN = Pvc<br>0.00m-2.00m OUTER LINING - GRAVEL = Cement<br>2.00m-2.50m OUTER LINING - GRAVEL = Bentonite<br>2.50m-6.00m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-3.00m Clay<br>3.00m-6.00m Sand | 2010-04-22     | 1845     | North      |
| 80650     | Domestic      |   |   |                     |                                      | 1988-01-01     | 1848     | South      |
| WRK090846 | Investigation | 0.00m-1.00m FILL<br>1.00m-2.50m CLAY<br>2.50m-4.00m SANDY CLAY<br>4.00m-6.00m CLAYEY SAND   | 0.00m-2.00m INNER LINING - CASING = UPVC class 9<br>2.00m-6.00m INNER LINING - SCREEN = UPVC class 9<br>0.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>1.50m-6.00m OUTER LINING - GRAVEL = Gravel                             |                     |                                      | 2015-12-15     | 1855     | North      |
| WRK090844 | Investigation | 0.00m-1.00m FILL<br>1.00m-2.50m CLAY<br>2.50m-4.00m SANDY CLAY<br>4.00m-6.00m CLAYEY SAND   | 0.00m-2.00m INNER LINING - CASING = UPVC class 9<br>2.00m-6.00m INNER LINING - SCREEN = UPVC class 9<br>0.00m-1.50m OUTER LINING - GRAVEL = Bentonite<br>1.50m-6.00m OUTER LINING - GRAVEL = Gravel                             |                     |                                      | 2015-12-15     | 1856     | North      |
| WRK093517 | Observation   | 0.00m-0.04m FILL/ASPHALT<br>0.04m-0.30m GRAVEL/SANDY<br>0.30m-0.90m CLAY/GRAVELLY<br>0.90m-4.40m CLAY/SANDY/NATURAL<br>4.40m-12.30m SAND<br>12.30m-18.90m SAND/SILTY<br>18.90m-24.10m SILTSTONE   | 0.00m-0.00m OUTER LINING - GRAVEL = Not Known   |                     |                                      |                | 1864     | North      |
| WRK065161 | Observation   | 0.00m-0.50m FILL<br>0.50m-1.60m SAND<br>1.60m-4.30m CLAY<br>4.30m-8.00m SAND  | 0.00m-4.00m INNER LINING - CASING = Pvc<br>4.00m-8.00m INNER LINING - SCREEN = Pvc<br>0.00m-3.00m OUTER LINING - GRAVEL = Cement<br>3.00m-3.50m OUTER LINING - GRAVEL = Bentonite<br>3.50m-8.00m OUTER LINING - GRAVEL = Gravel |                     | 0.00m-4.00m Clay<br>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<br>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<br>2.00m-10.00m BRIWN SANDY CLAY<br>10.00m-12.00m BLACK SANDY CLAY<br>12.00m-18.00m FINE BROWN SAND<br>18.00m-24.00m COARSE BROWN SAND<br>24.00m-60.00m STIFF GREY CLAY<br>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<br>0.30m-1.30m NATURAL/CLAYEY SAND<br>1.30m-9.90m SAND<br>9.90m-11.70m CLAY/SANDY<br>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<br>0.40m-1.00m SAND/NATURAL CLAYEY<br>1.00m-9.90m SAND<br>9.90m-14.30m SAND/SILTISH<br>14.30m-15.40m CLAY<br>15.40m-27.30m SILTSTONE   | 0.00m-0.00m OUTER LINING - GRAVEL = Not Known   |                     |                                      |                | 1921     | North      |
| WRK093508 | Observation   | 0.00m-0.05m FILL/ASPHALT<br>0.05m-0.50m FILL/SANDY GRAVEL<br>0.50m-1.10m NATURAL/SAND<br>1.10m-2.60m SAND/CLAYEY<br>2.60m-12.90m SAND<br>12.90m-13.20m CLAY<br>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<br>0.30m-12.80m SAND<br>12.80m-15.40m SILTSTONE           | 0.00m-2.00m INNER LINING - CASING = Pvc<br>11.00m-15.40m INNER LINING - CASING = Pvc<br>0.00m-0.20m OUTER LINING - GRAVEL = Cement<br>0.20m-1.00m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.50m-14.90m SAND                                      | 0.10m-6.00m INNER LINING - CASING = Pvc<br>6.00m-14.58m INNER LINING - SCREEN = Pvc<br>0.00m-0.10m OUTER LINING - GRAVEL = Cement<br>0.10m-5.00m OUTER LINING - GRAVEL = Bentonite<br>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<br>1.80m-7.20m CLAY                                       | 0.00m-4.20m INNER LINING - CASING = Pvc<br>4.20m-7.20m INNER LINING - SCREEN = Pvc<br>0.00m-2.70m OUTER LINING - GRAVEL = Cement<br>2.70m-3.70m OUTER LINING - GRAVEL = Bentonite<br>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<br>0.40m-10.20m BRIGHTON GROUP<br>10.20m-15.80m SILTSTONE | 0.00m-3.80m INNER LINING - CASING = Pvc<br>9.60m-15.90m INNER LINING - CASING = Pvc<br>0.00m-0.13m OUTER LINING - GRAVEL = Cement<br>0.13m-2.70m OUTER LINING - GRAVEL = Bentonite<br>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

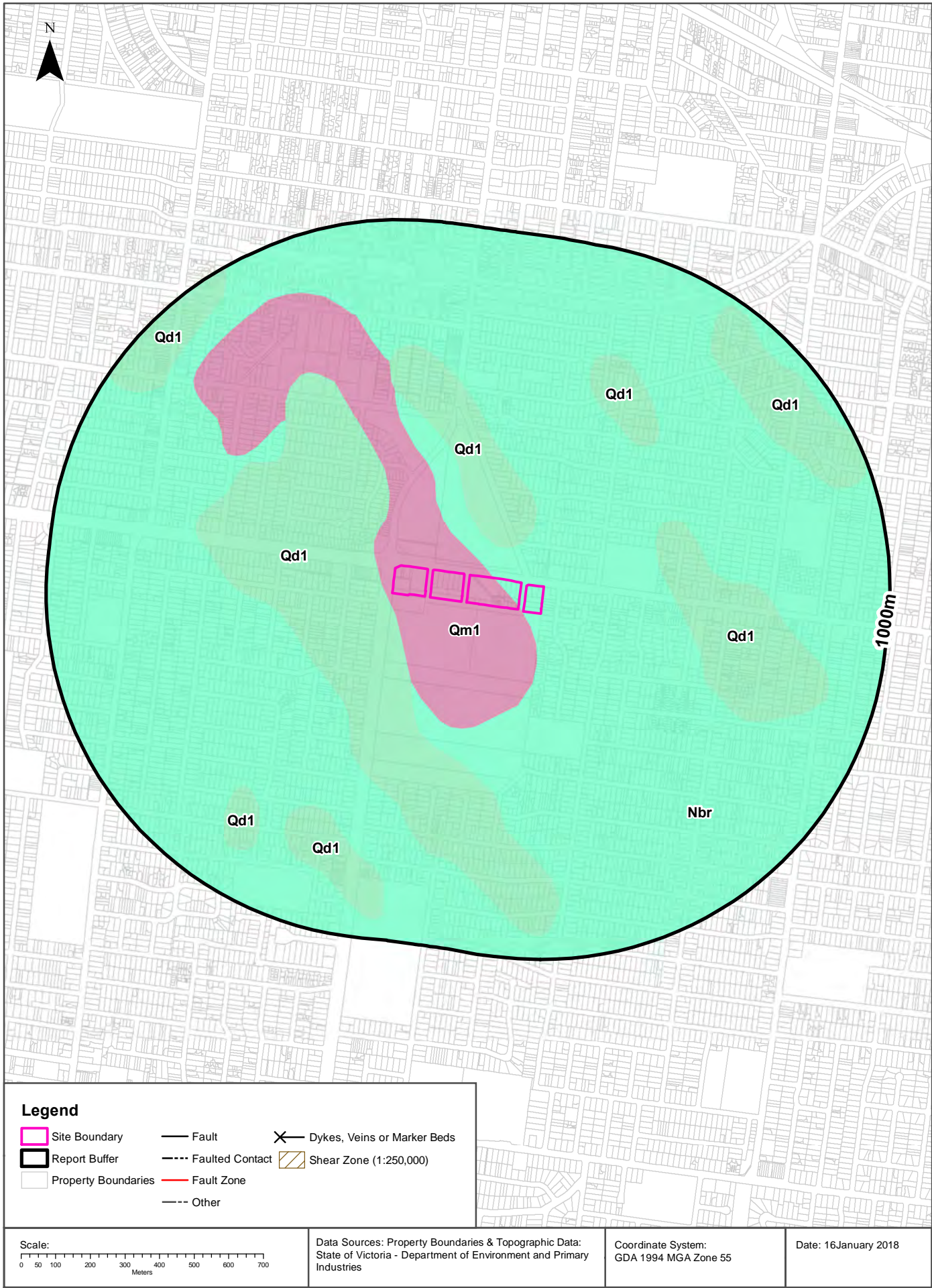
Mine Shaft Locations were collected by a variety of methods from 1869 in some areas of the state, mainly concentrating in Ballarat and Bendigo. In places a shaft may be recorded multiple times with a different source. In cases where several shaft locations are shown close together (generally with separations 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 |

Geology 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 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

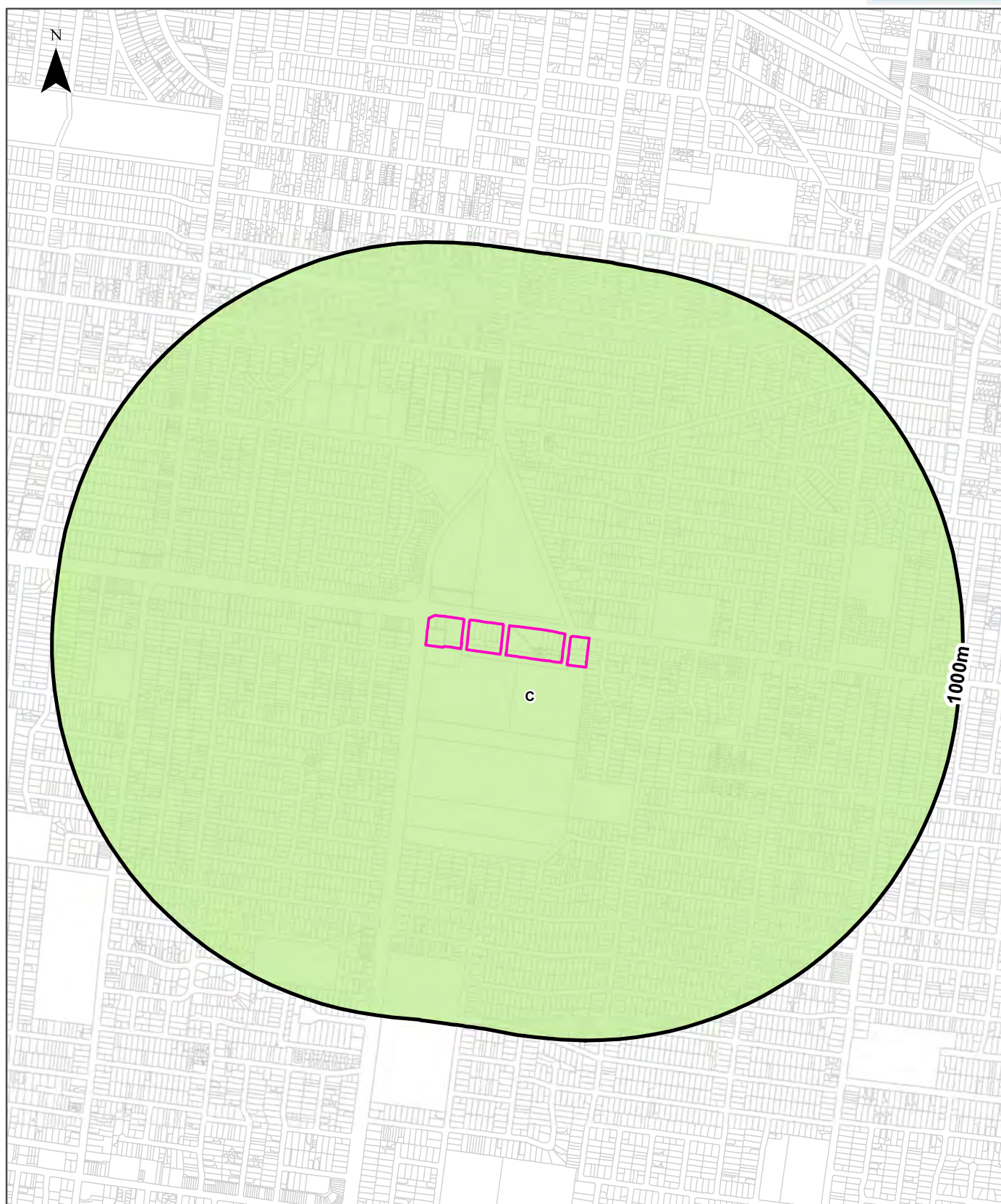
Victorian Soil Types within the dataset buffer:

| 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 |

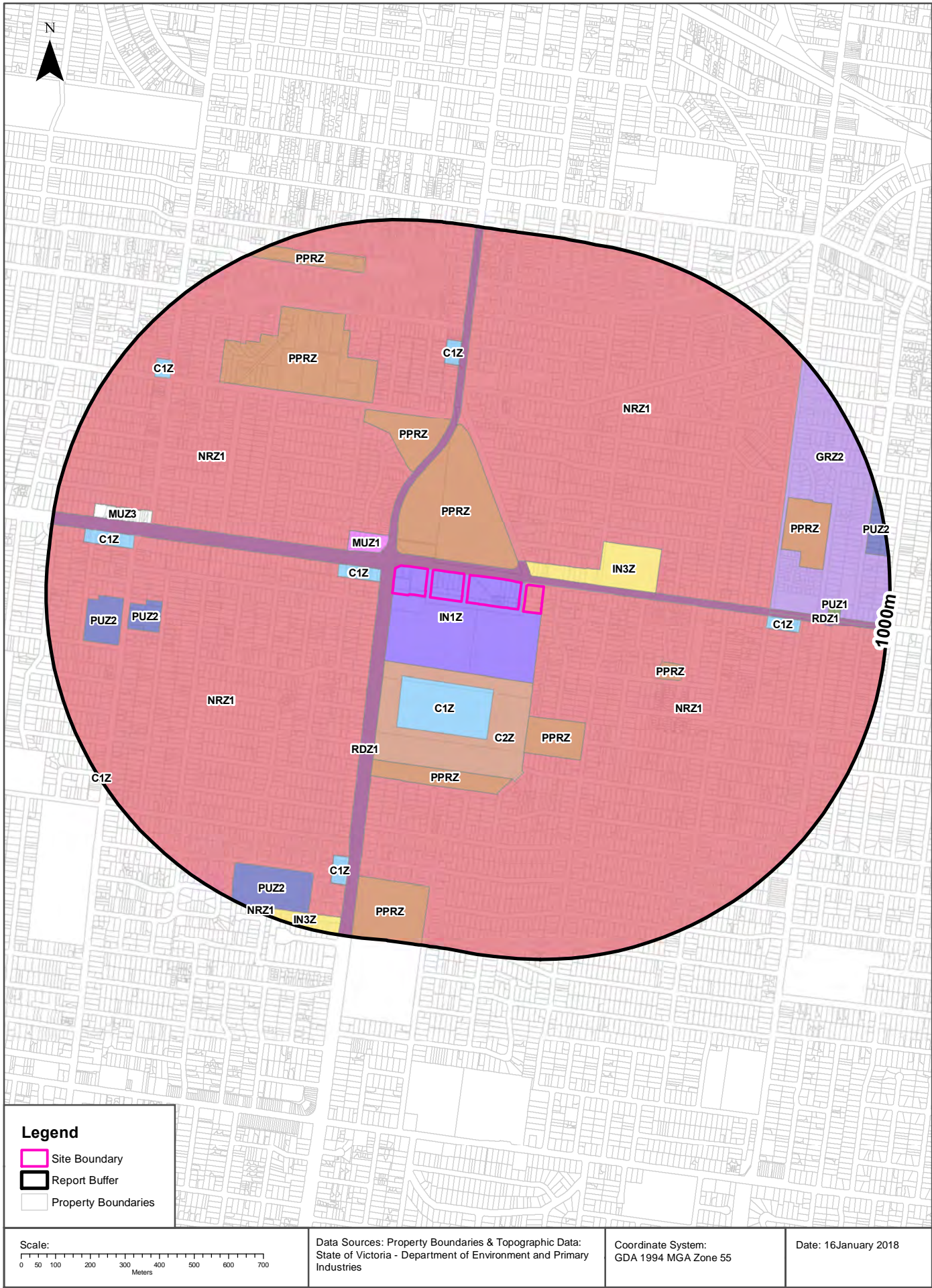
What are the Coastal Acid Sulfate Soil types within the dataset buffer?

| 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       |

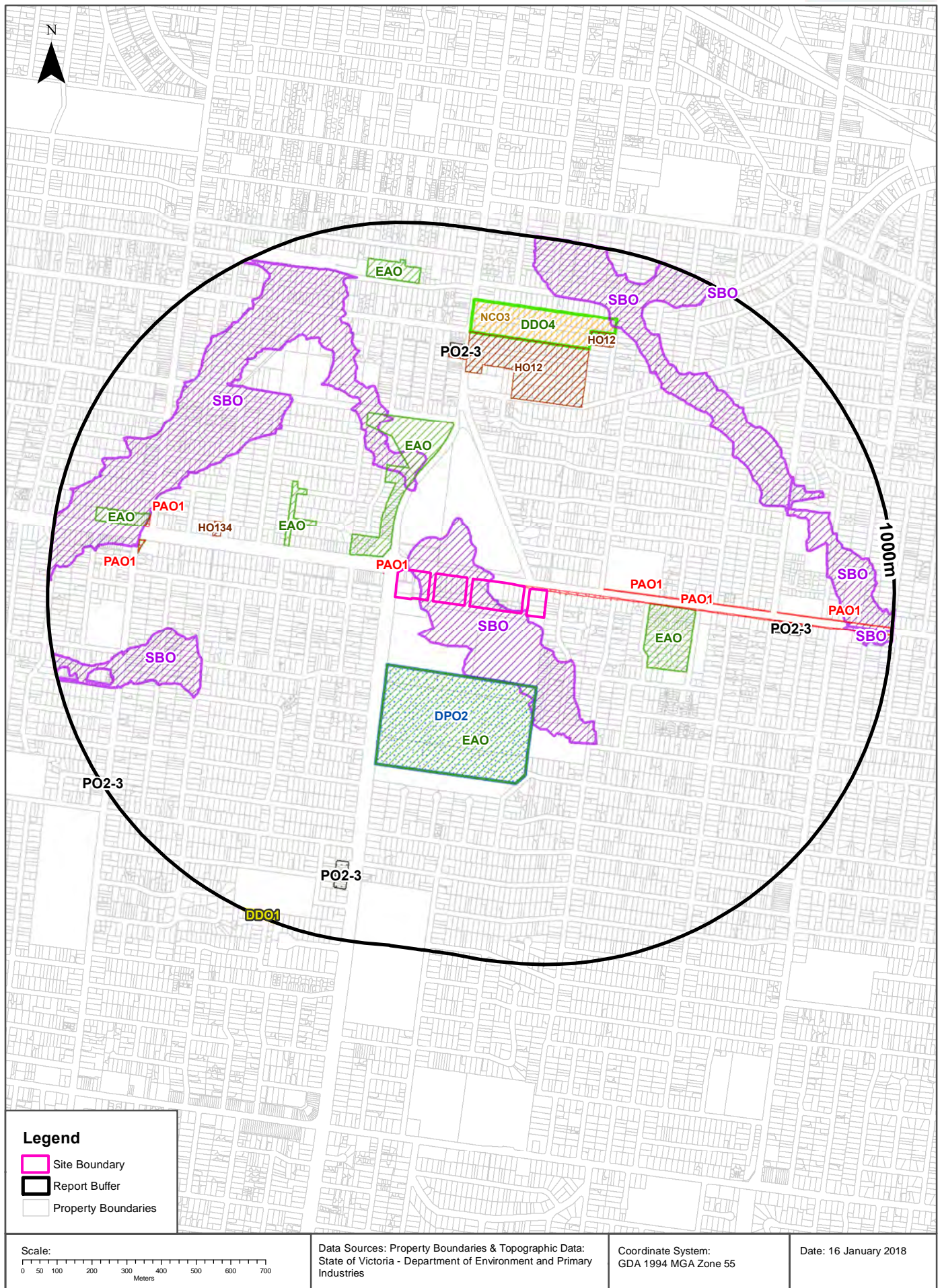


| Zone Code | Description       | Distance | Direction  |
|-----------|-------------------|----------|------------|
| IN3Z      | INDUSTRIAL 3 ZONE | 949m     | South West |
| C1Z       | COMMERCIAL 1 ZONE | 982m     | South West |

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

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| 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 windcreens, 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

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## 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

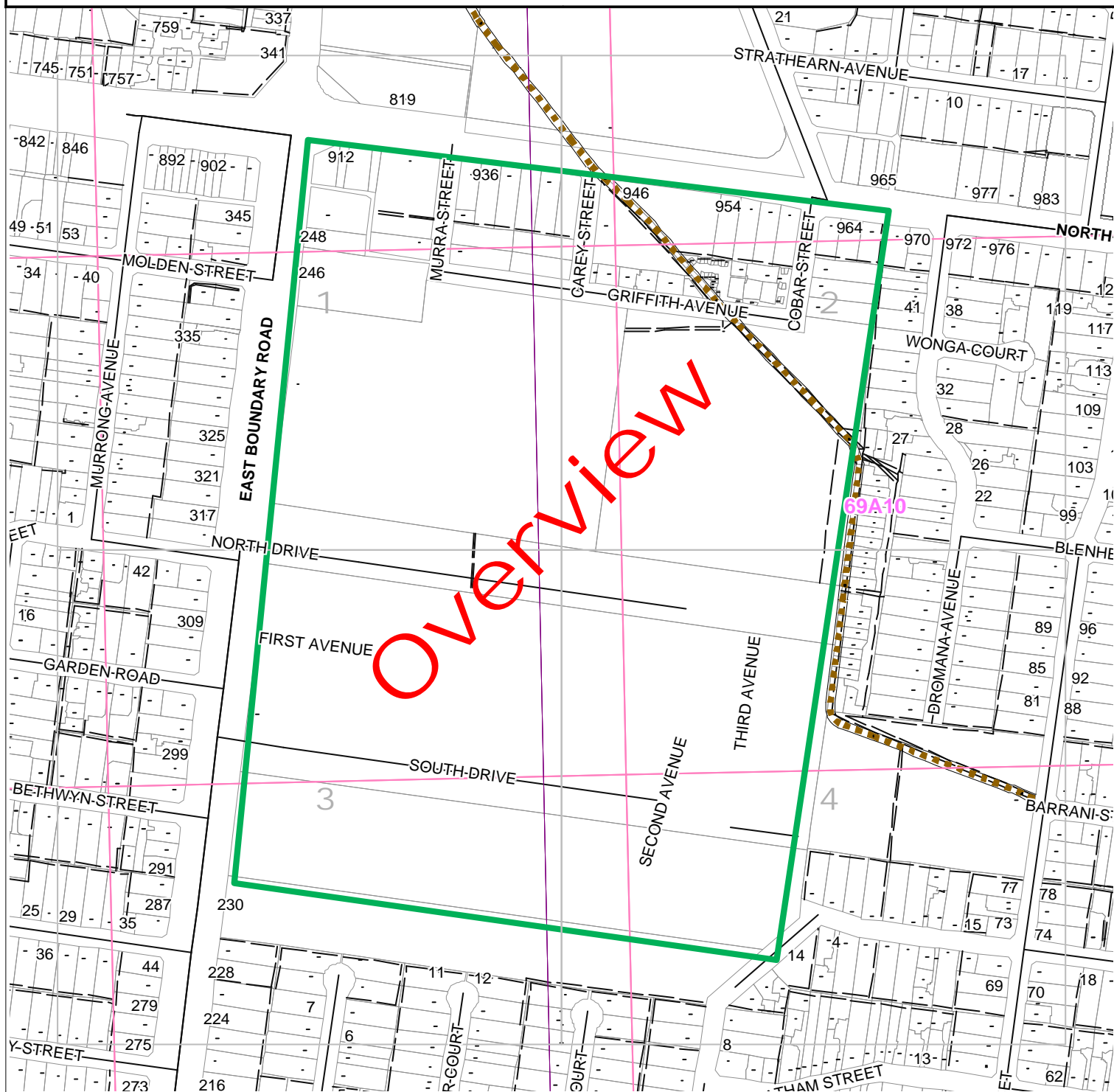
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# Drainage Assets Plan

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

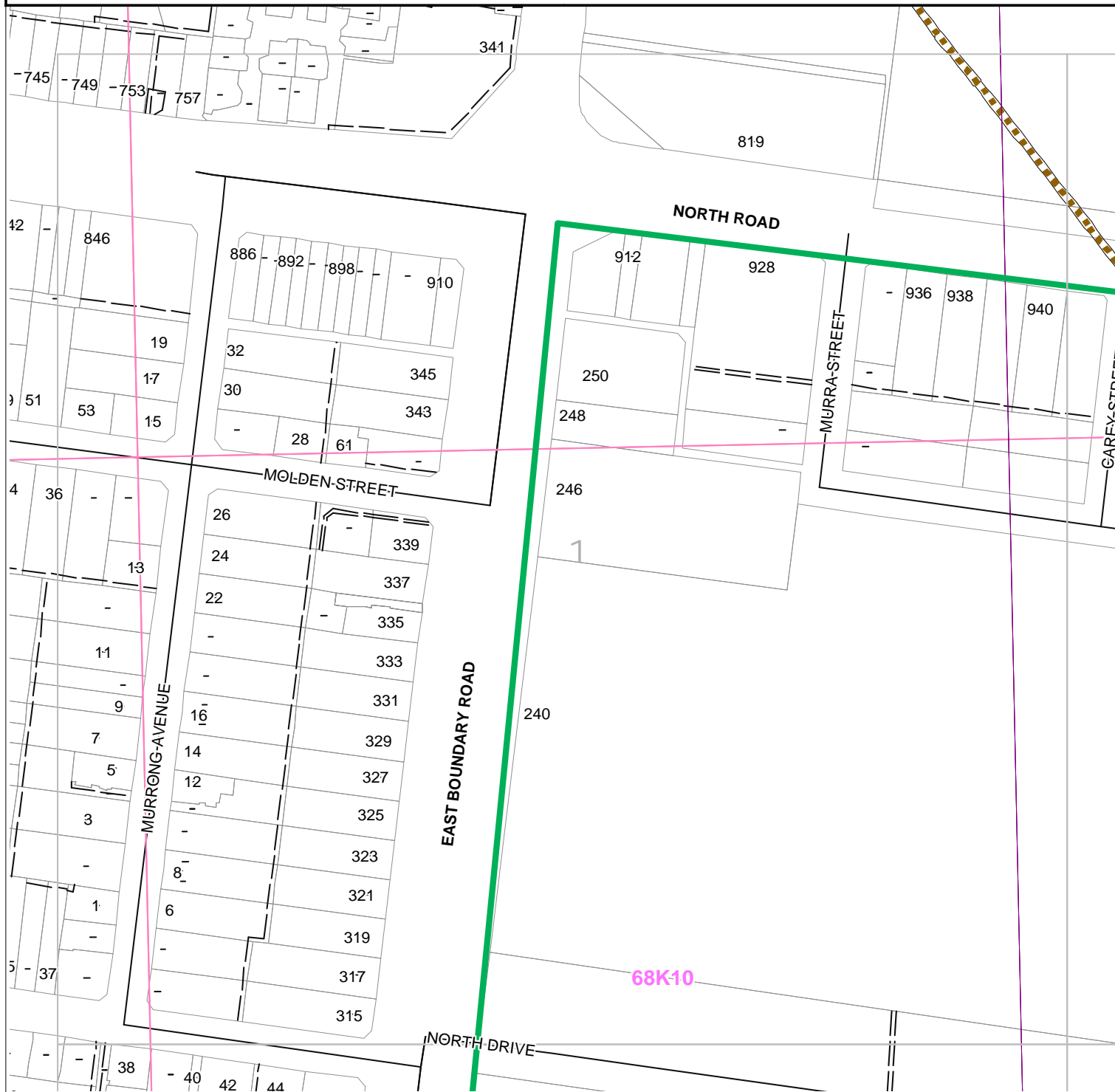


Assets may contain asbestos material and therefore works on these assets must be undertaken in accordance with OHS (asbestos) Regulations.

# 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



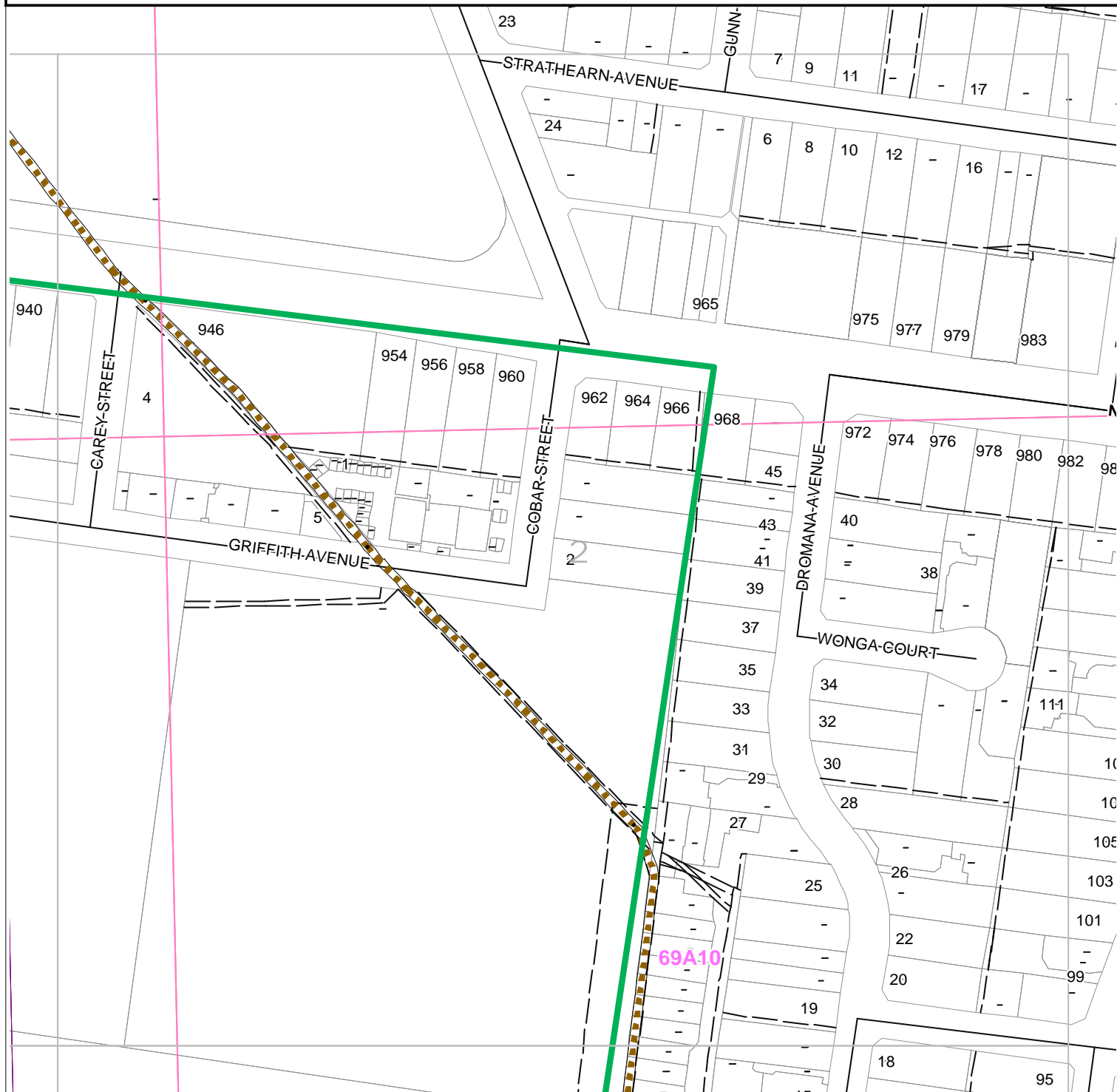
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# Drainage Assets Plan




DBYD Sequence Number: 67992272







DBYD Job No. 13589178



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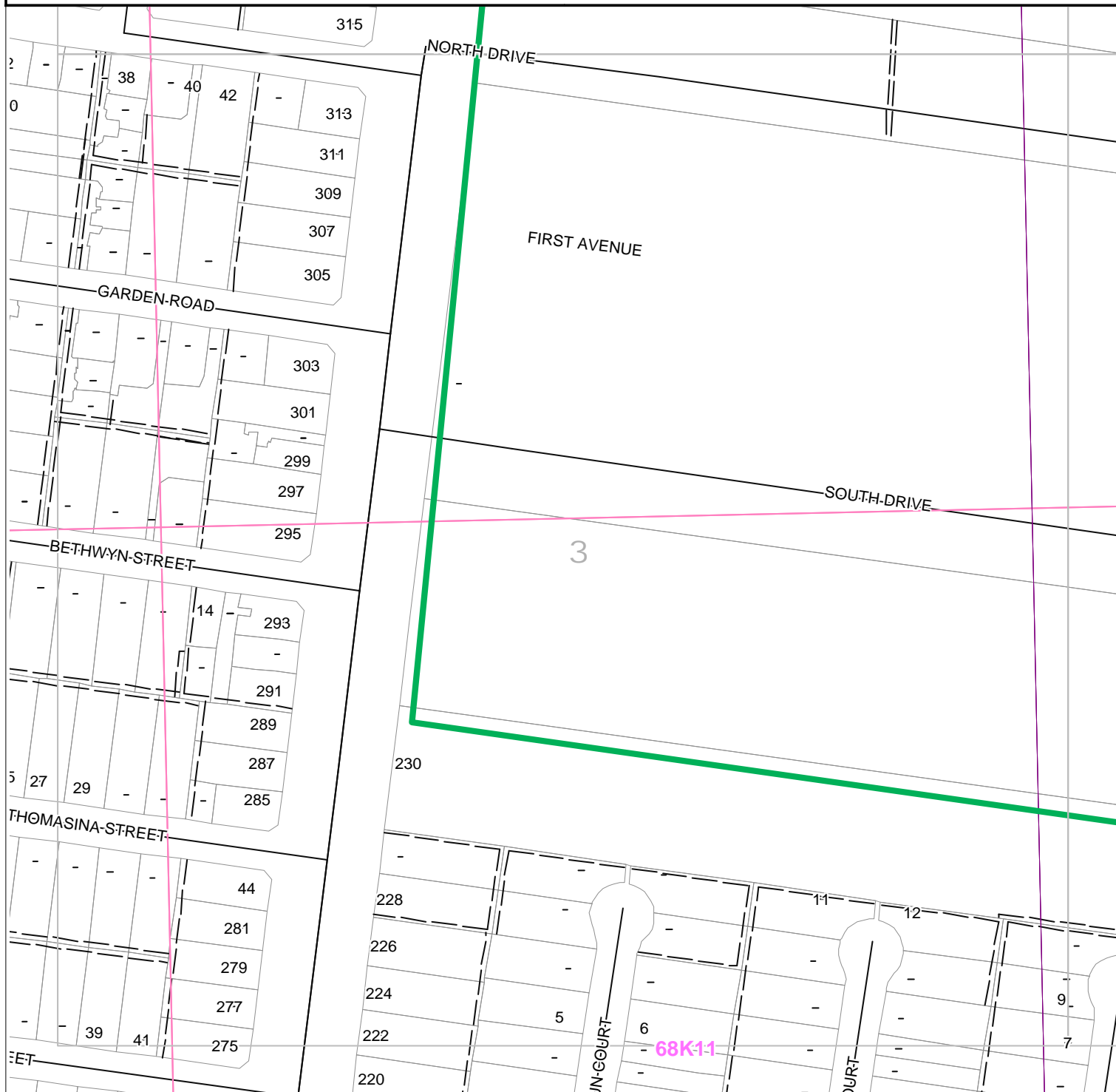
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DBYD Sequence Number: 67992272

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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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# Drainage Assets Plan




DBYD Sequence Number: 67992272







DBYD Job No. 13589178



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 Map Ref: Melways 68K10, 68K11, 68K9, 69A10, 69A11, 69A9  
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1:2000

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

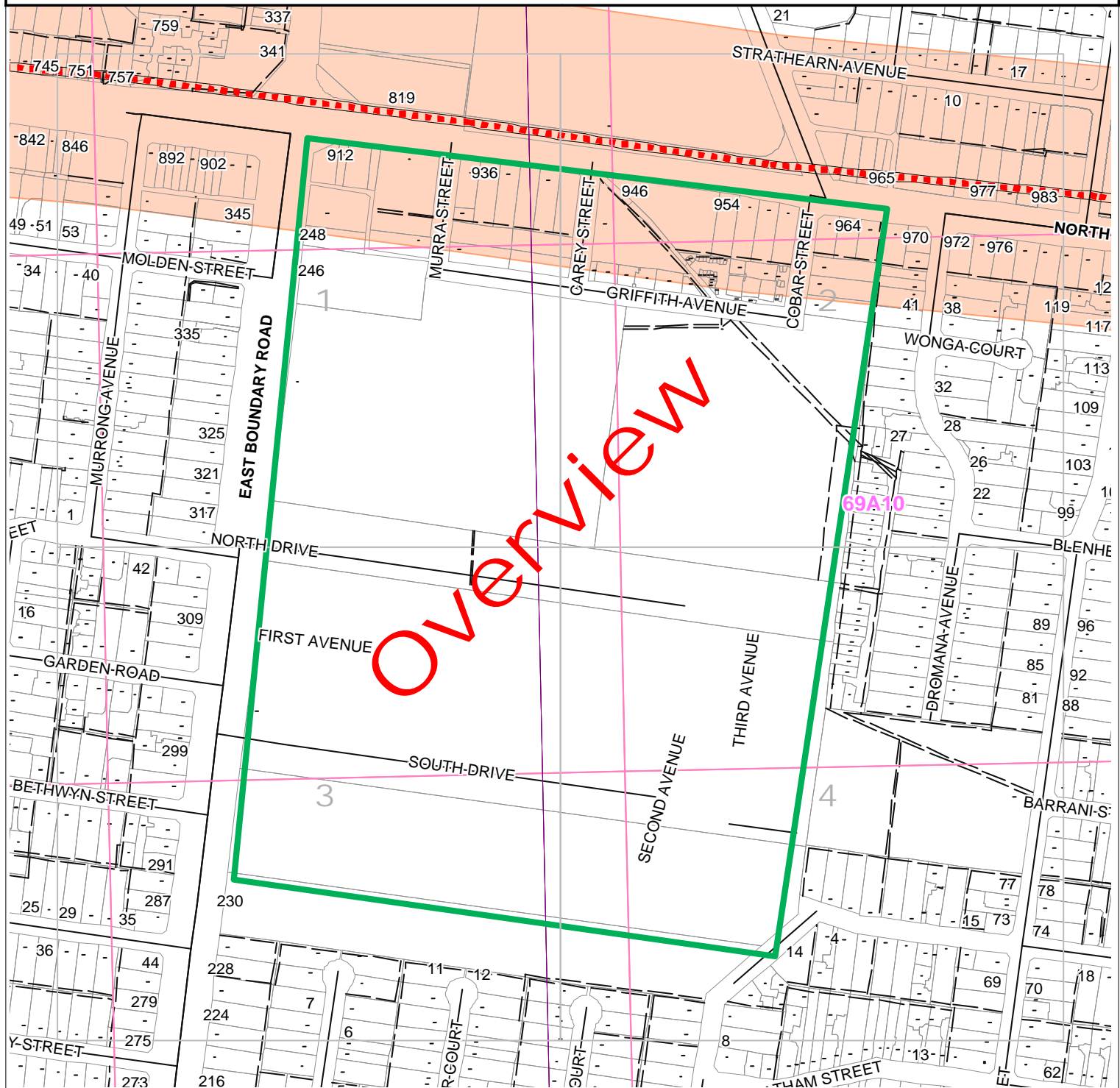


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# Sewer Assets Plan

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



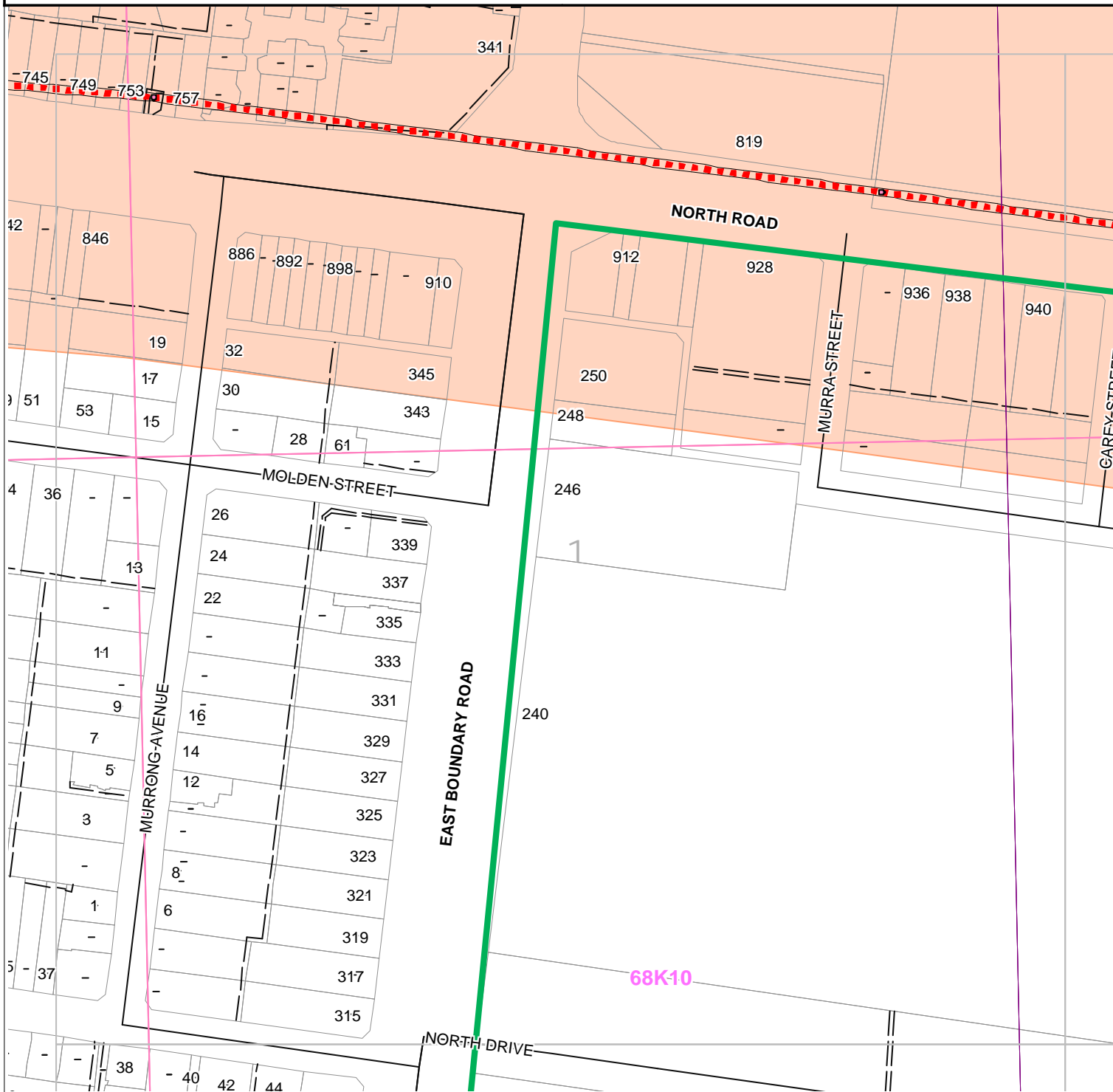
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# Sewer Assets Plan

**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



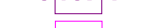
House number unknown



House Number: unknown



VicRoads map reference



Melway map reference



Melway map reference



---

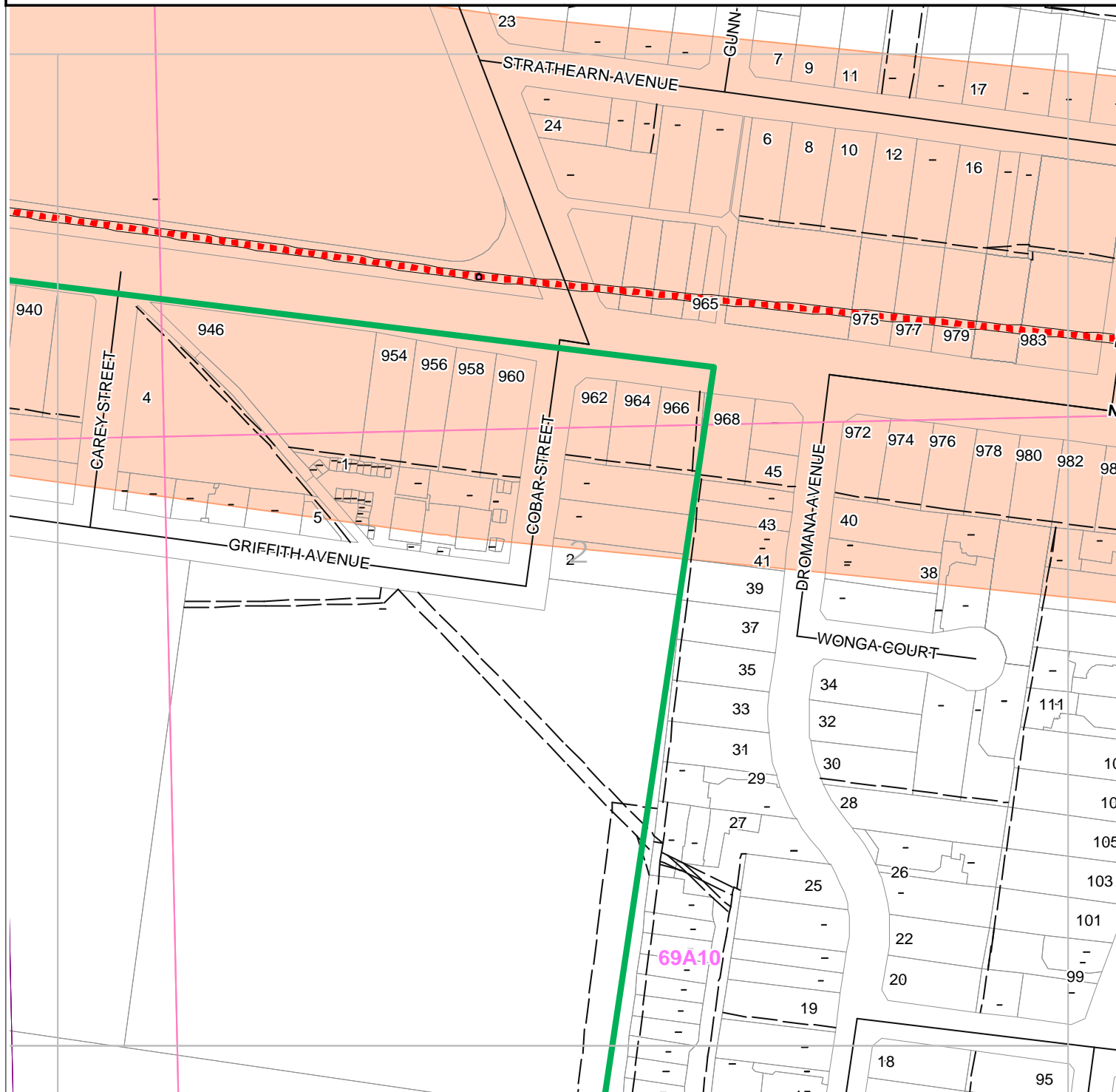


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# Sewer Assets Plan

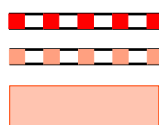
DBYD Sequence Number: 67992272

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  
27D4

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

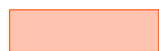
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Sewer main



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



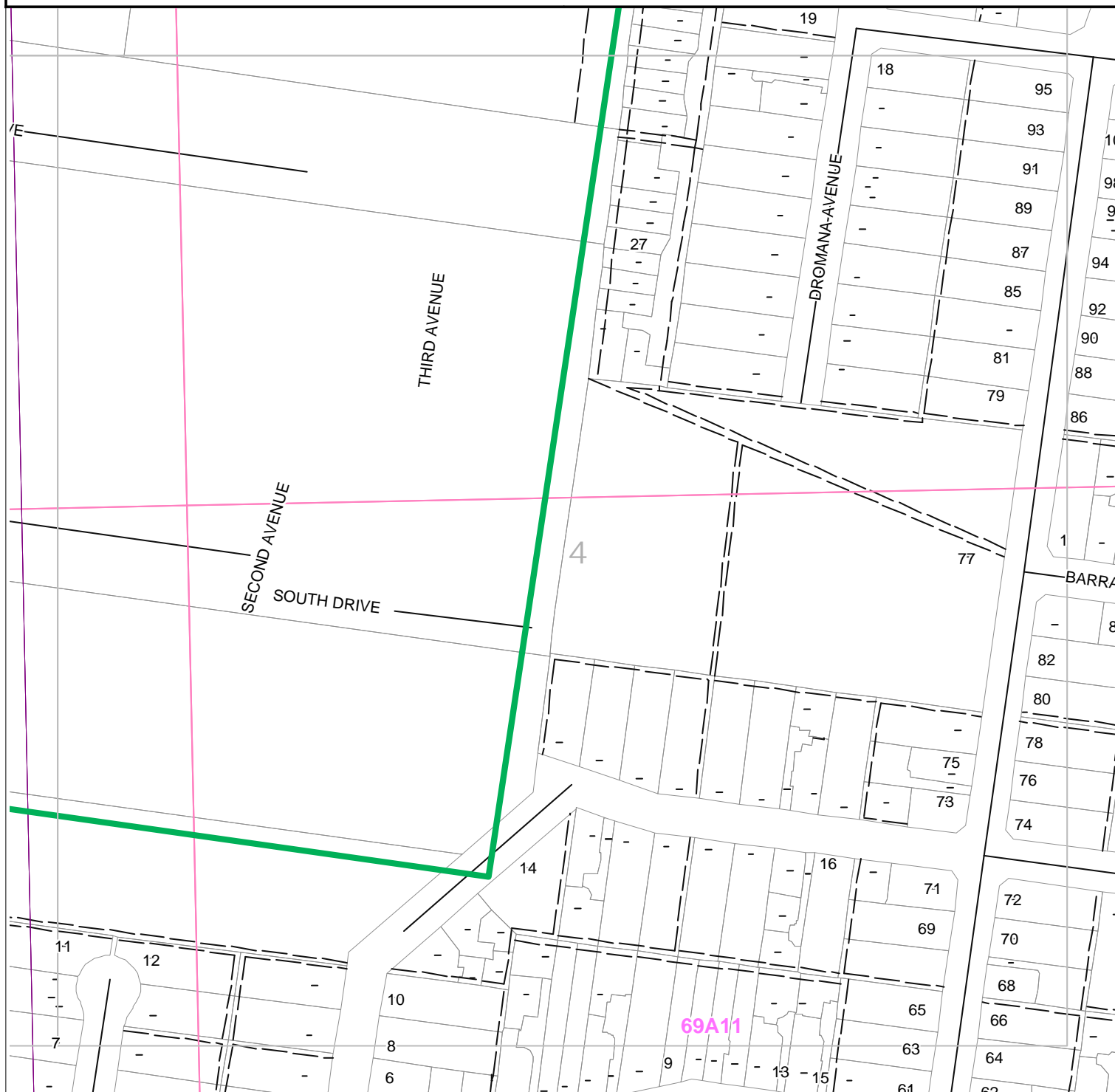
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# Sewer Assets Plan

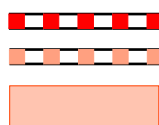
DBYD Sequence Number: 67992272

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  
27D4

VicRoads map reference

Melway map reference

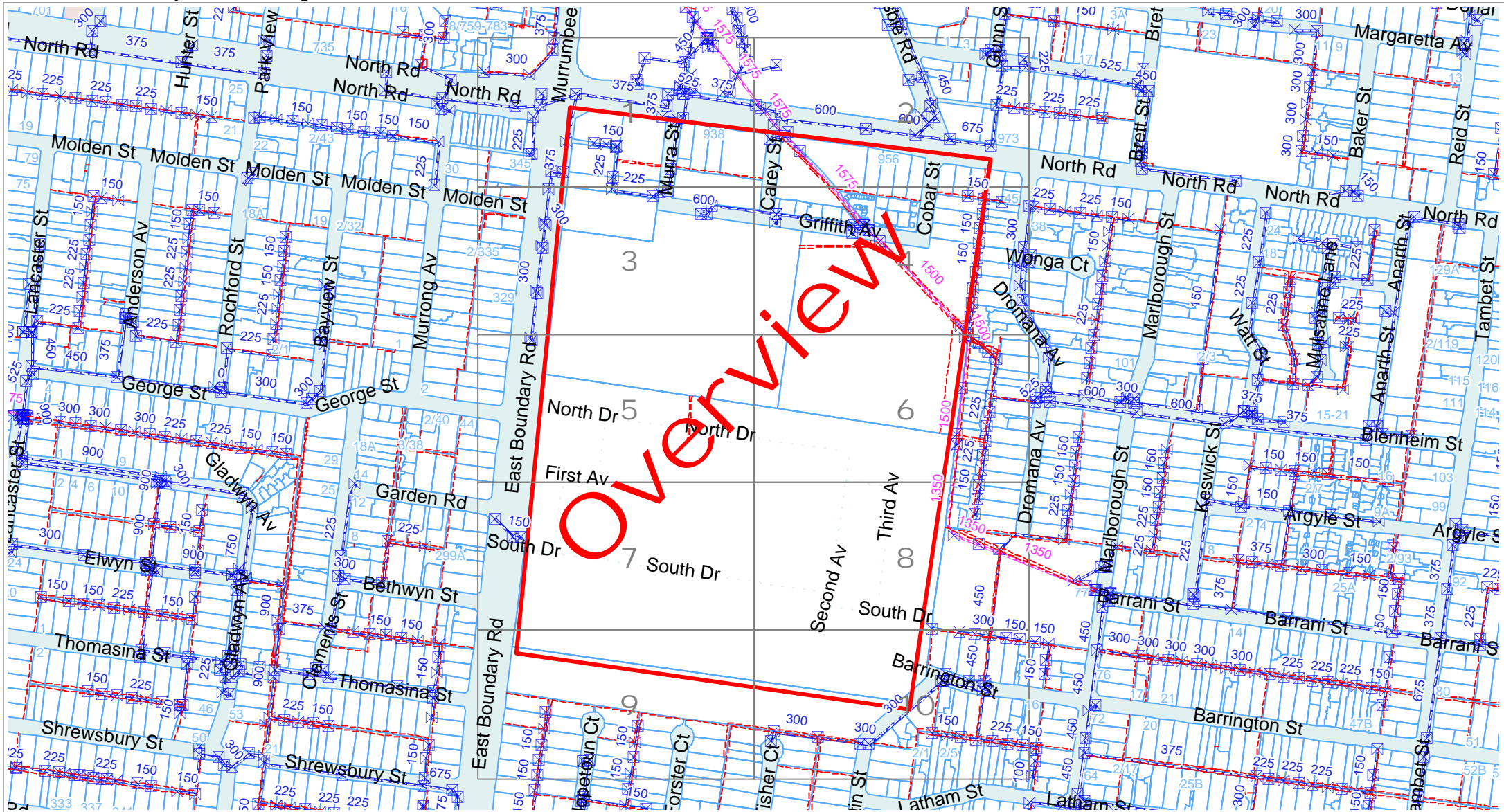


Assets may contain asbestos material and therefore works on these assets must be undertaken in accordance with OHS (asbestos) Regulations.

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

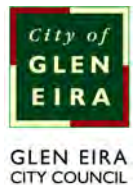
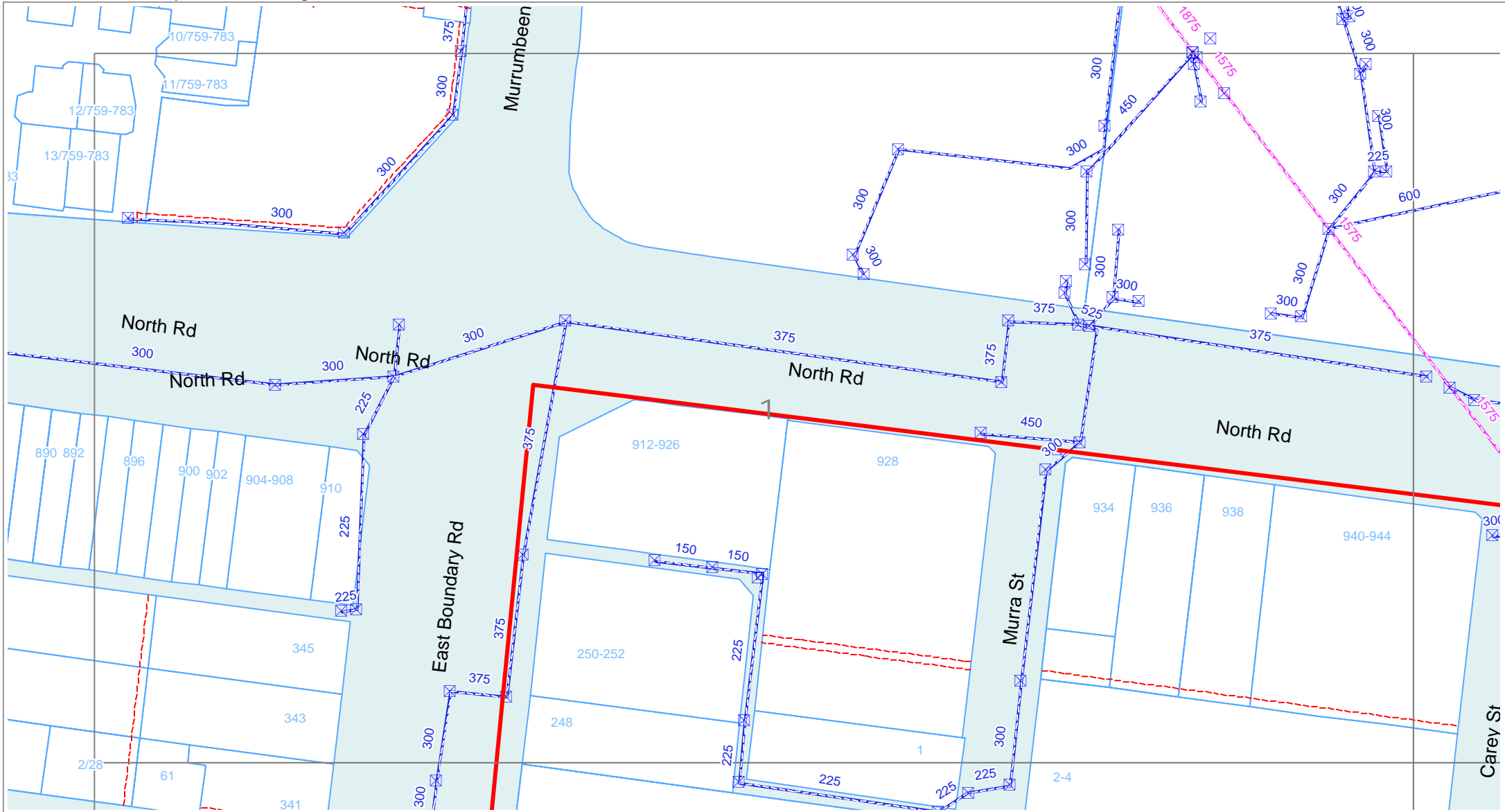
- Heritage
- Aboriginal Cultural
- Property

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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



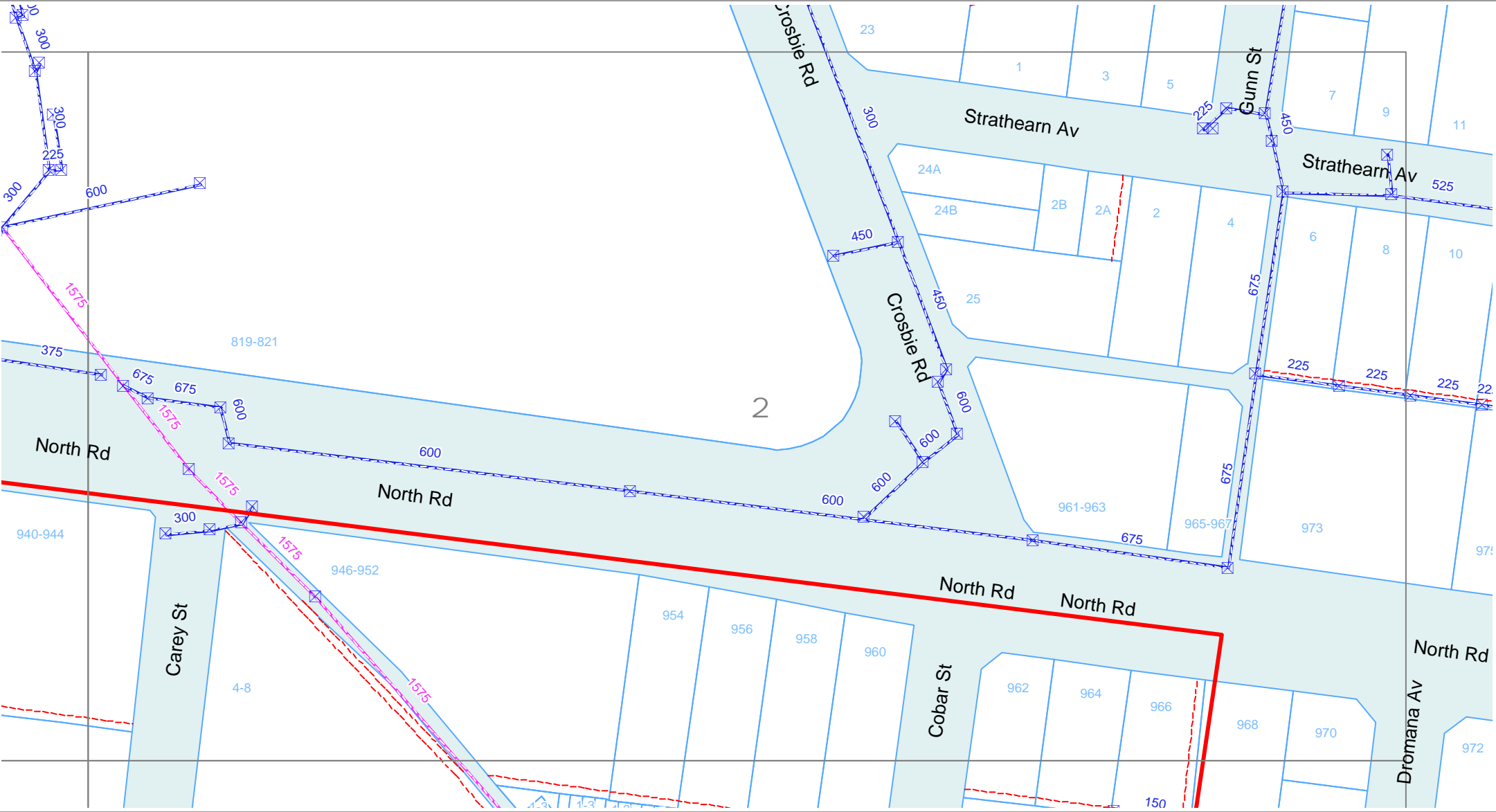
Legend | Scale: 1:1000



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

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Legend | Scale: 1:1000



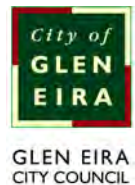
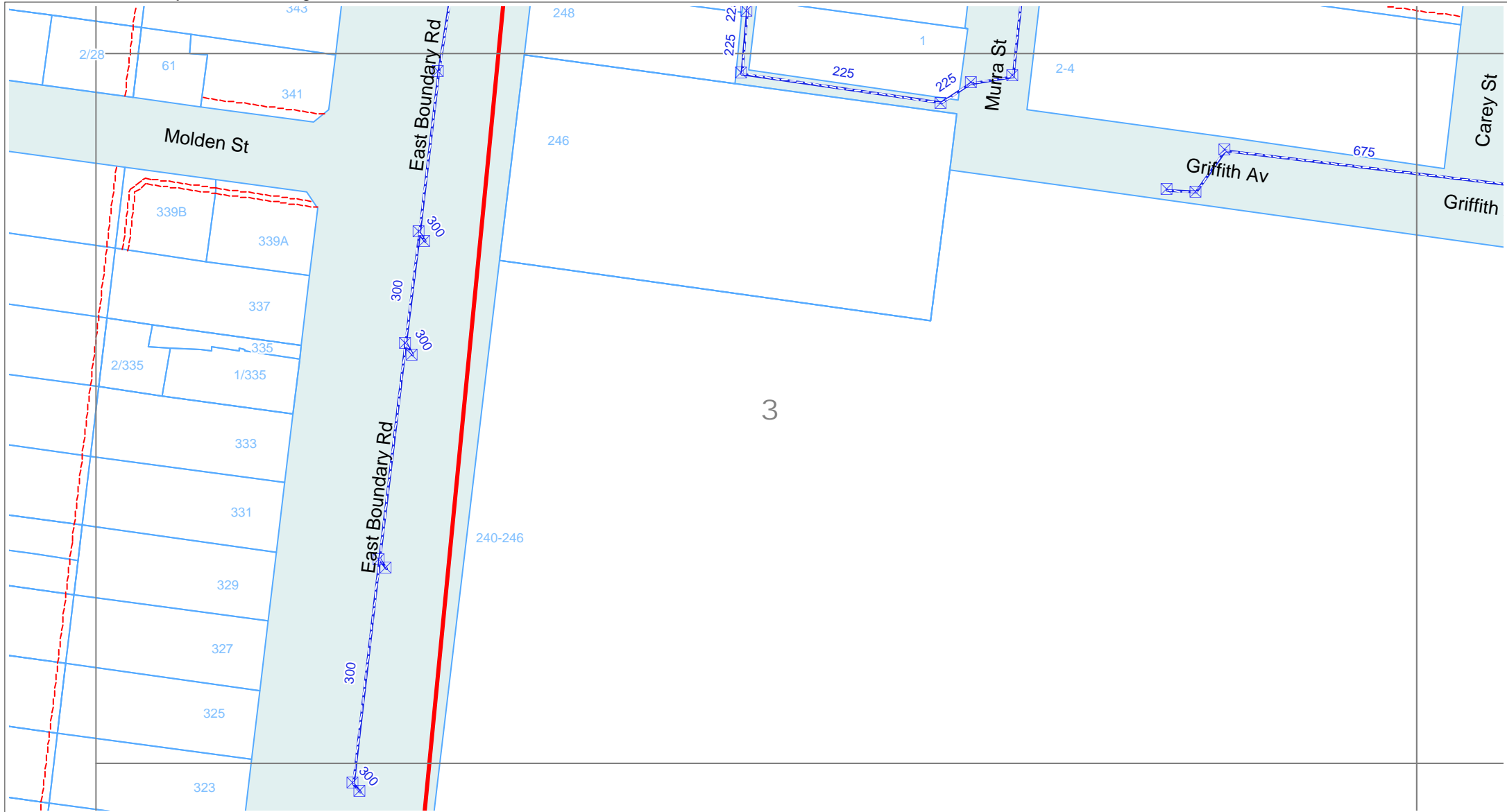
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|--|-------------------------|--|-----------|--|---------------------|
|  | Pits                    |  | Easements |  | Heritage            |
|  | Pipes - Glen Eira       |  | Railway   |  | Aboriginal Cultural |
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Sequence 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

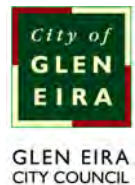
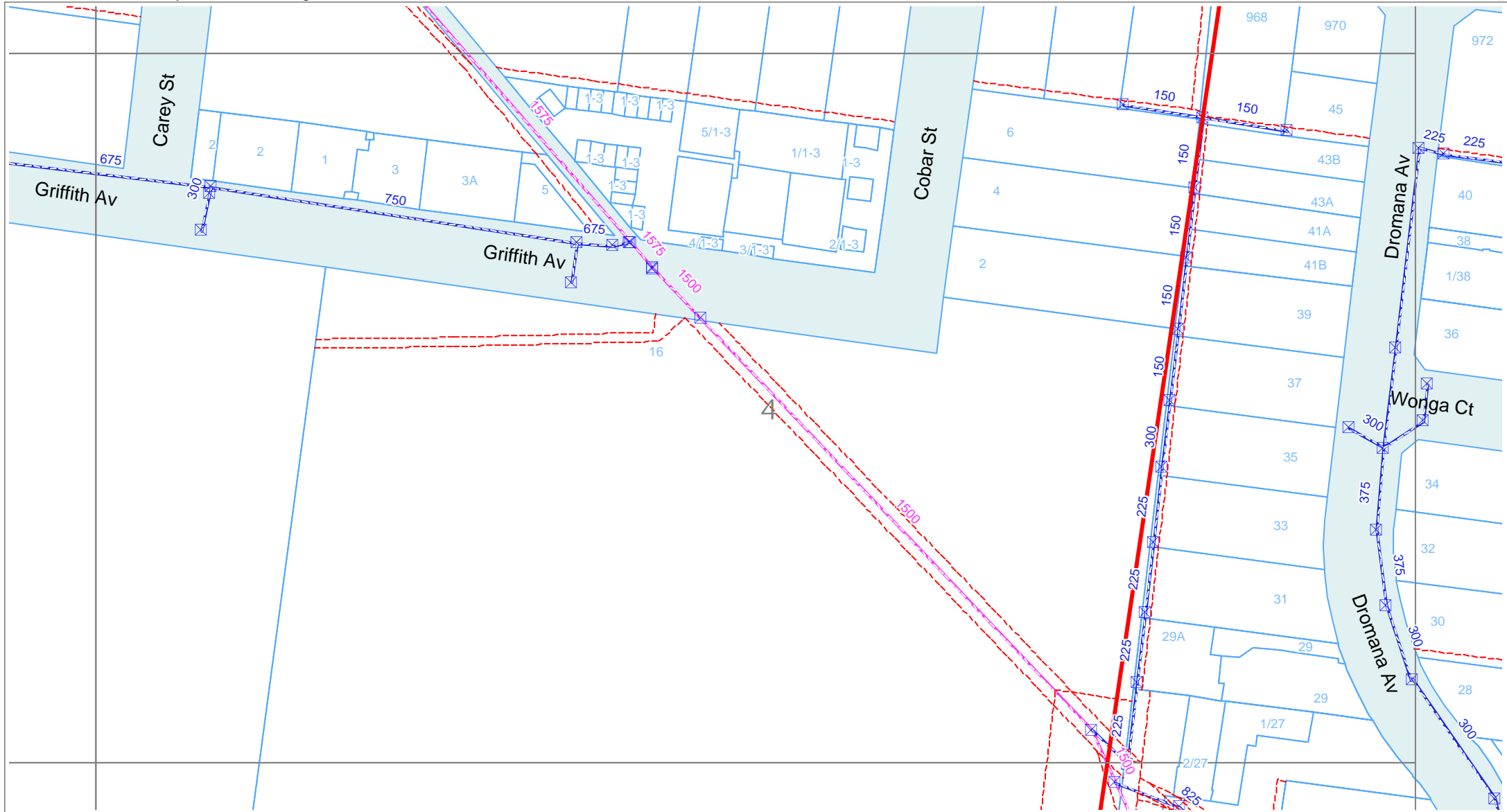
- Heritage
- Aboriginal Cultural
- Property

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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



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

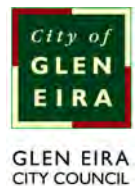
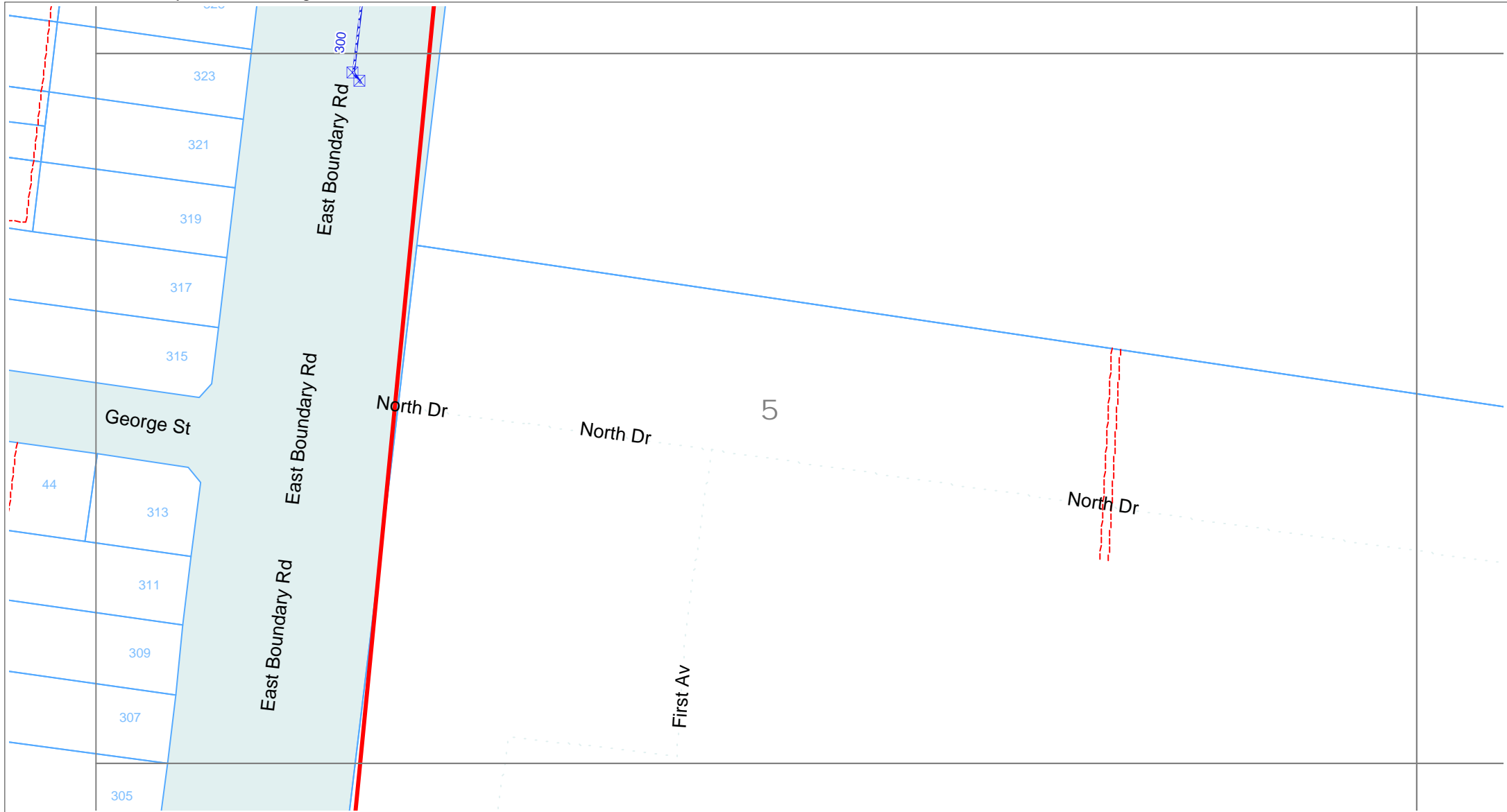
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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000

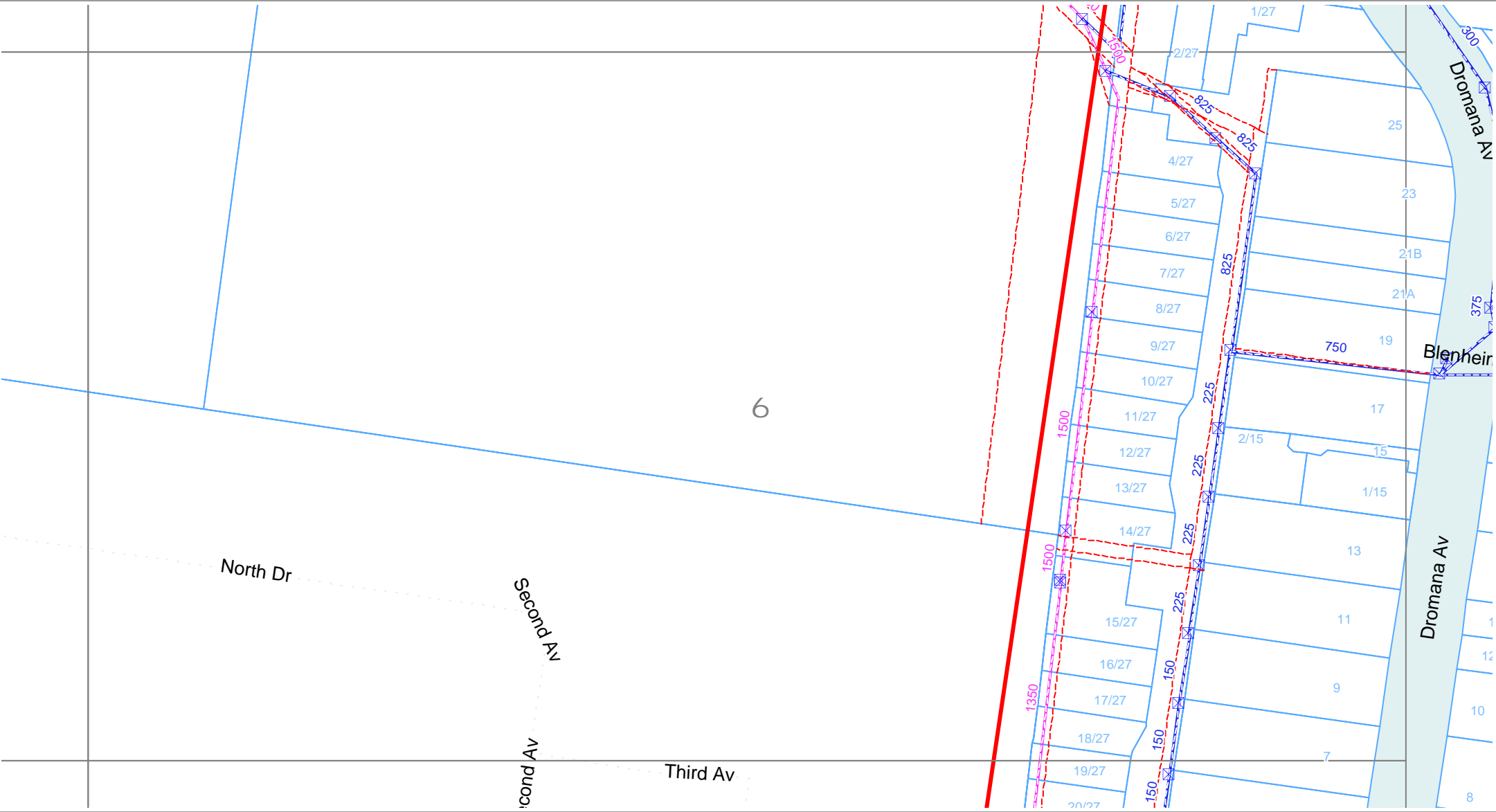


- Pits
- Pipes - Glen Eira
- Pipes - Melbourne Water

- Easements
- Railway
- Tramway

- Heritage
- Aboriginal Cultural
- Property

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Legend | Scale: 1:1000



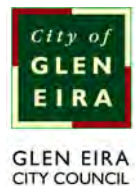
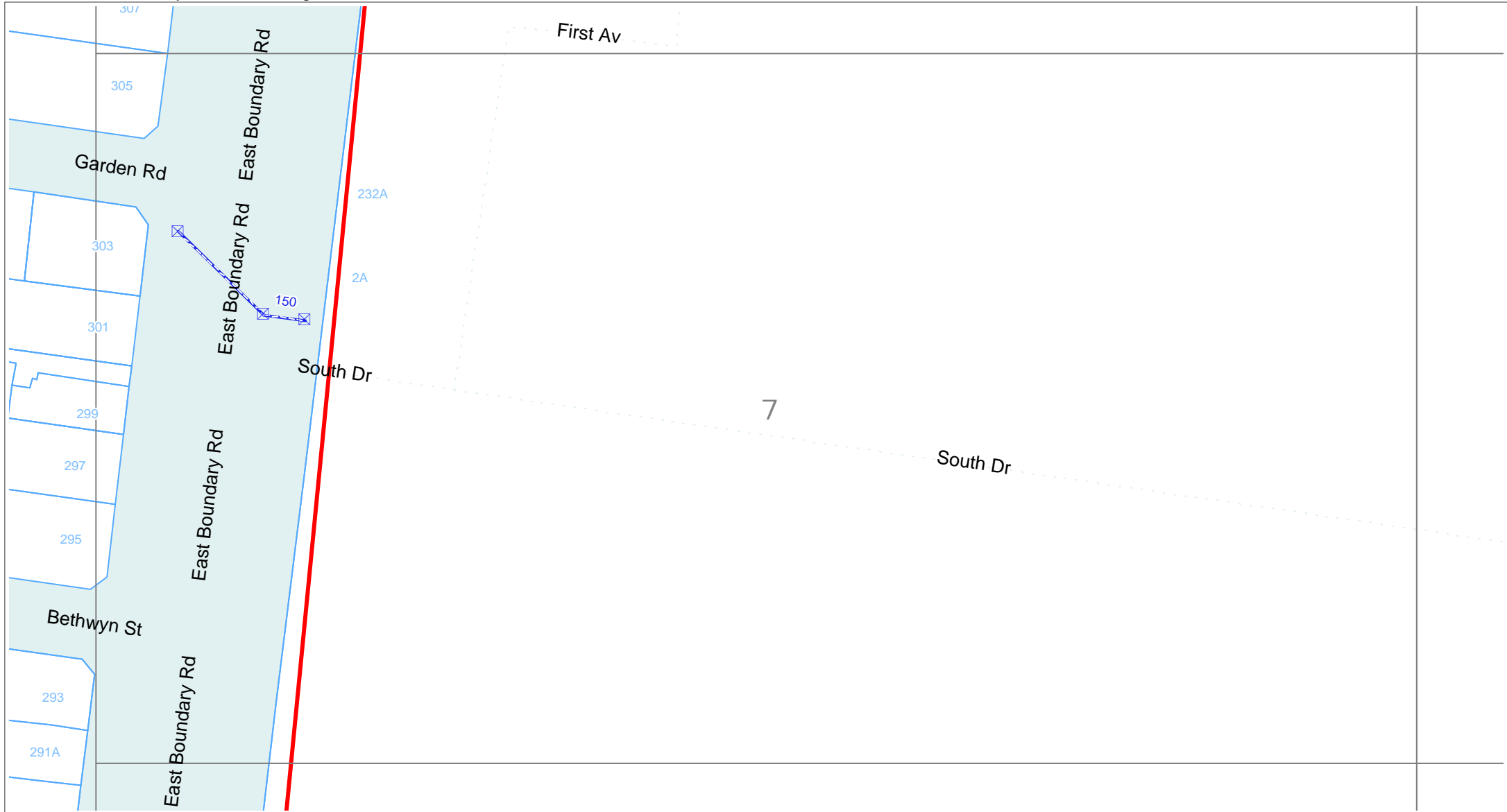
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|--|-------------------------|--|-----------|--|---------------------|
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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



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

- Easements
- Railway
- Tramway

- Heritage
- Aboriginal Cultural
- Property

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Legend | Scale: 1:1000



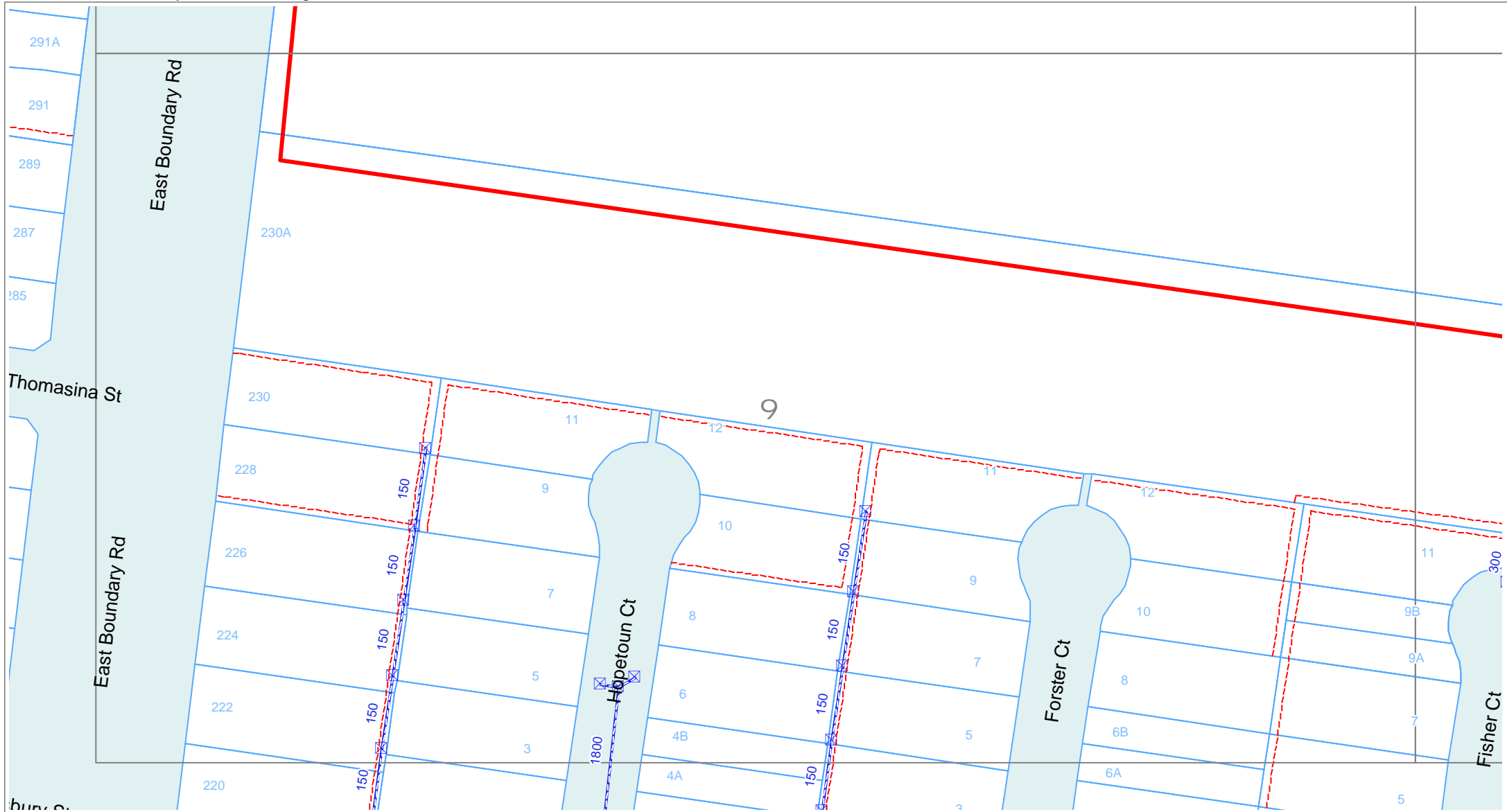
- |  |                         |  |           |  |                     |
|--|-------------------------|--|-----------|--|---------------------|
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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



GLEN EIRA  
CITY COUNCIL

Legend | Scale: 1:1000



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

- Easements
- Railway
- Tramway

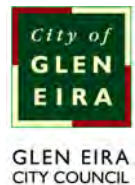
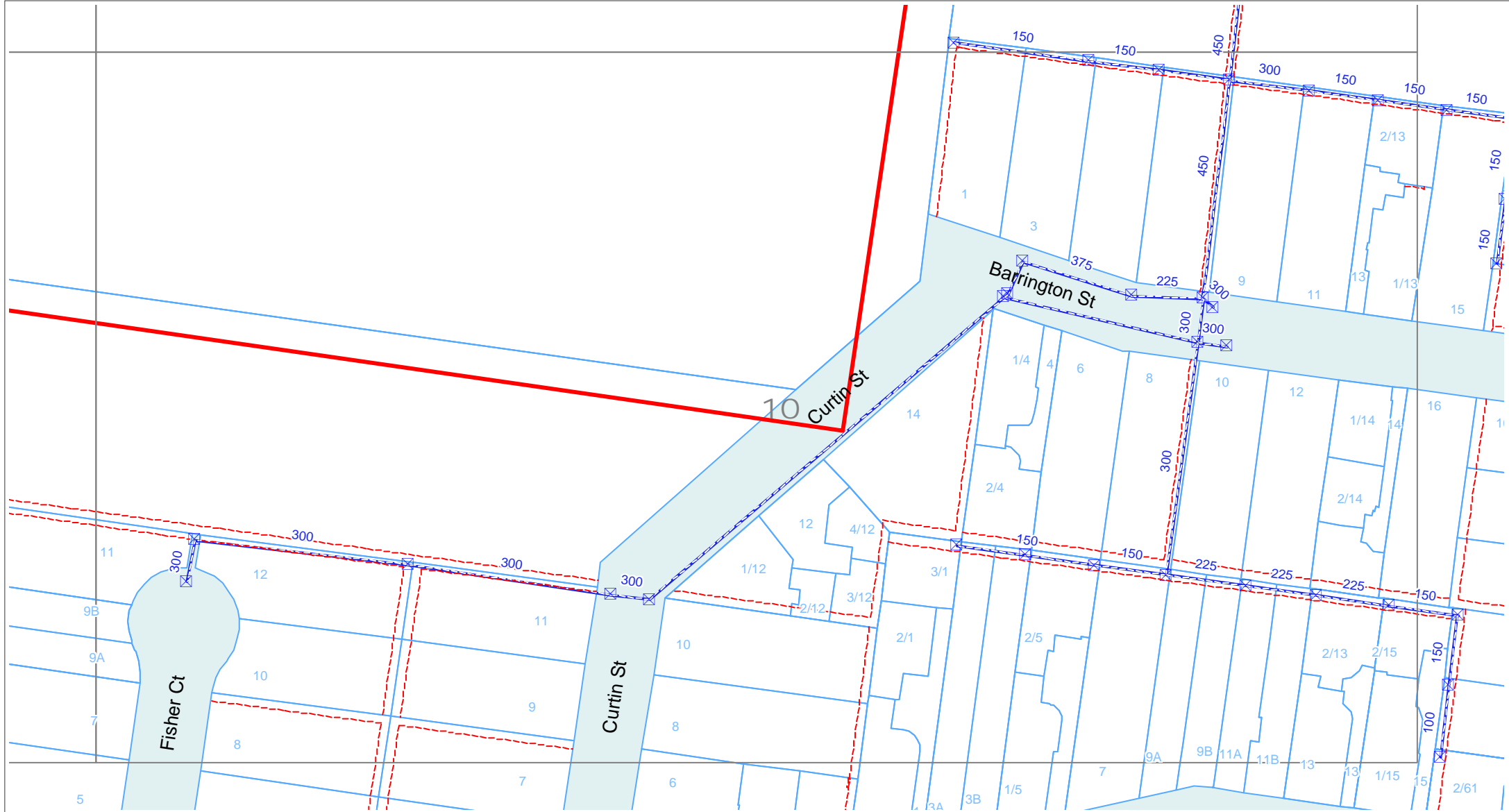
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Sequence Number: 67992264

Job Number: 13589178

Location: E Boundary Road, Bentleigh East VIC 3165



Legend | Scale: 1:1000



Pipes - Glen Eira

Pipes - Melbourne Water

Easements

Railway

Tramway

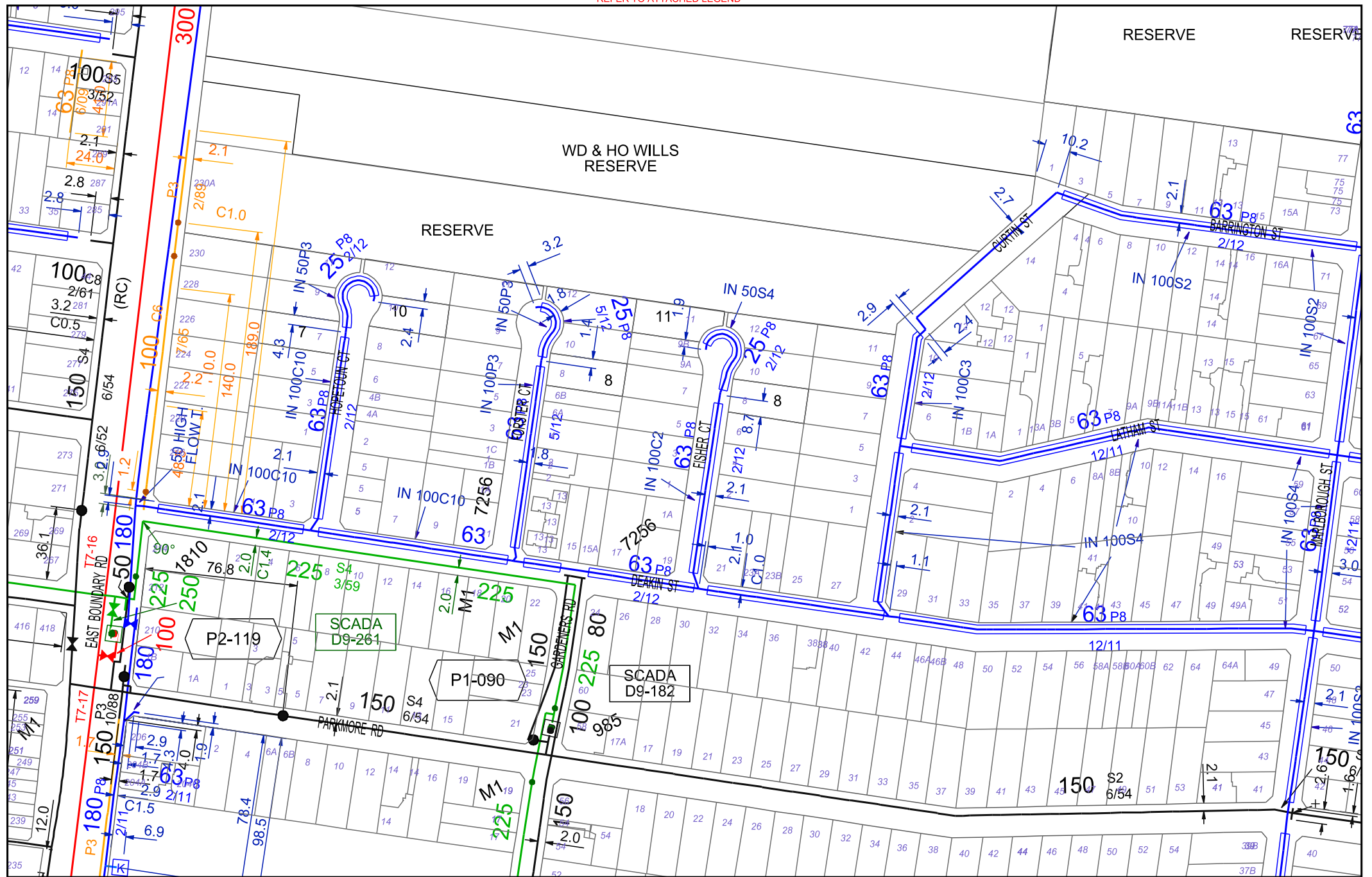
Heritage

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

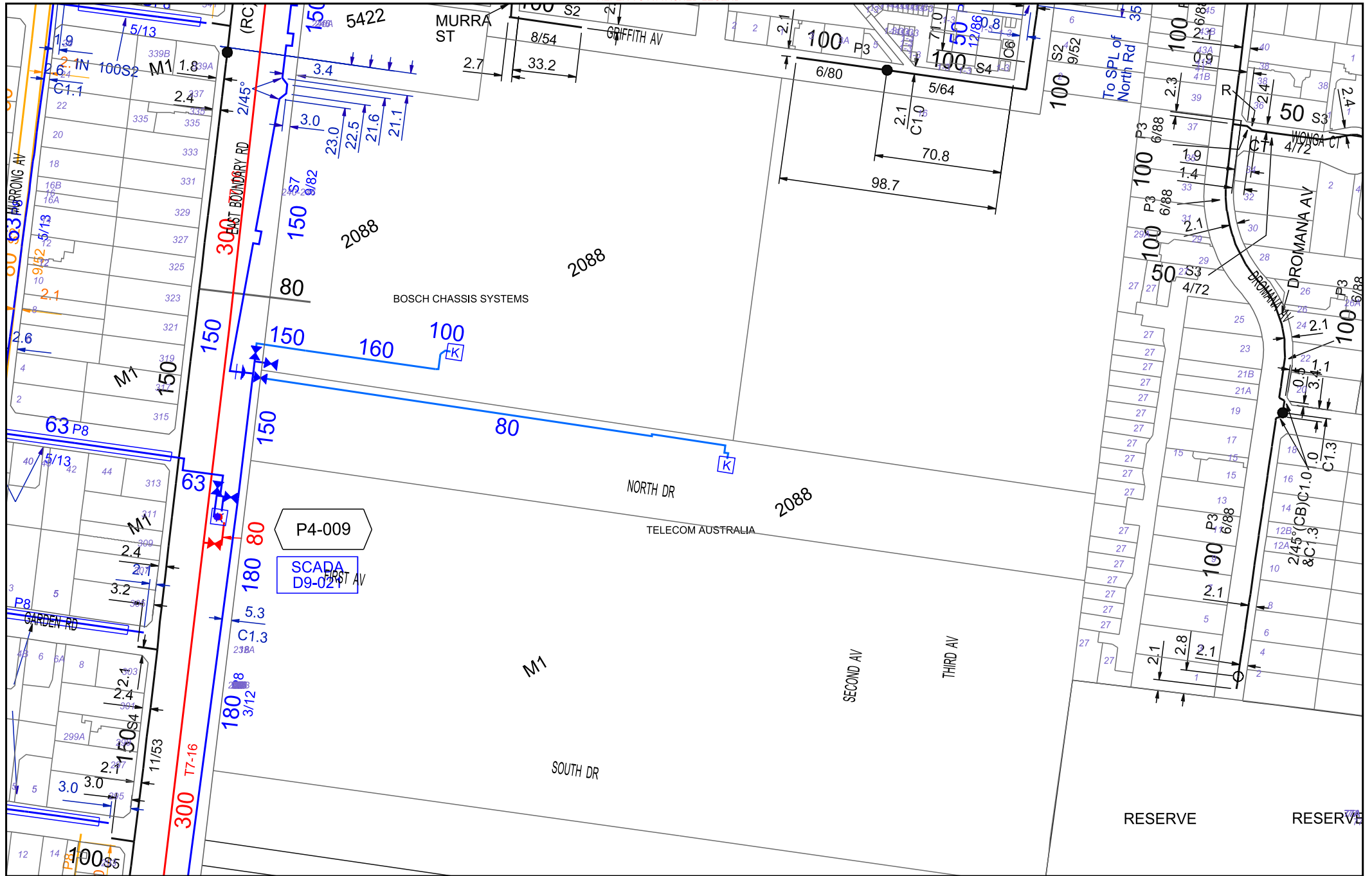
FURTHER ASSISTANCE MAY BE OBTAINED IF NECESSARY. SEE COVER LETTER FOR CONTACT DETAILS

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



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



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 K10

DATE OF ISSUE : 25/01/2018



#### NOTICES

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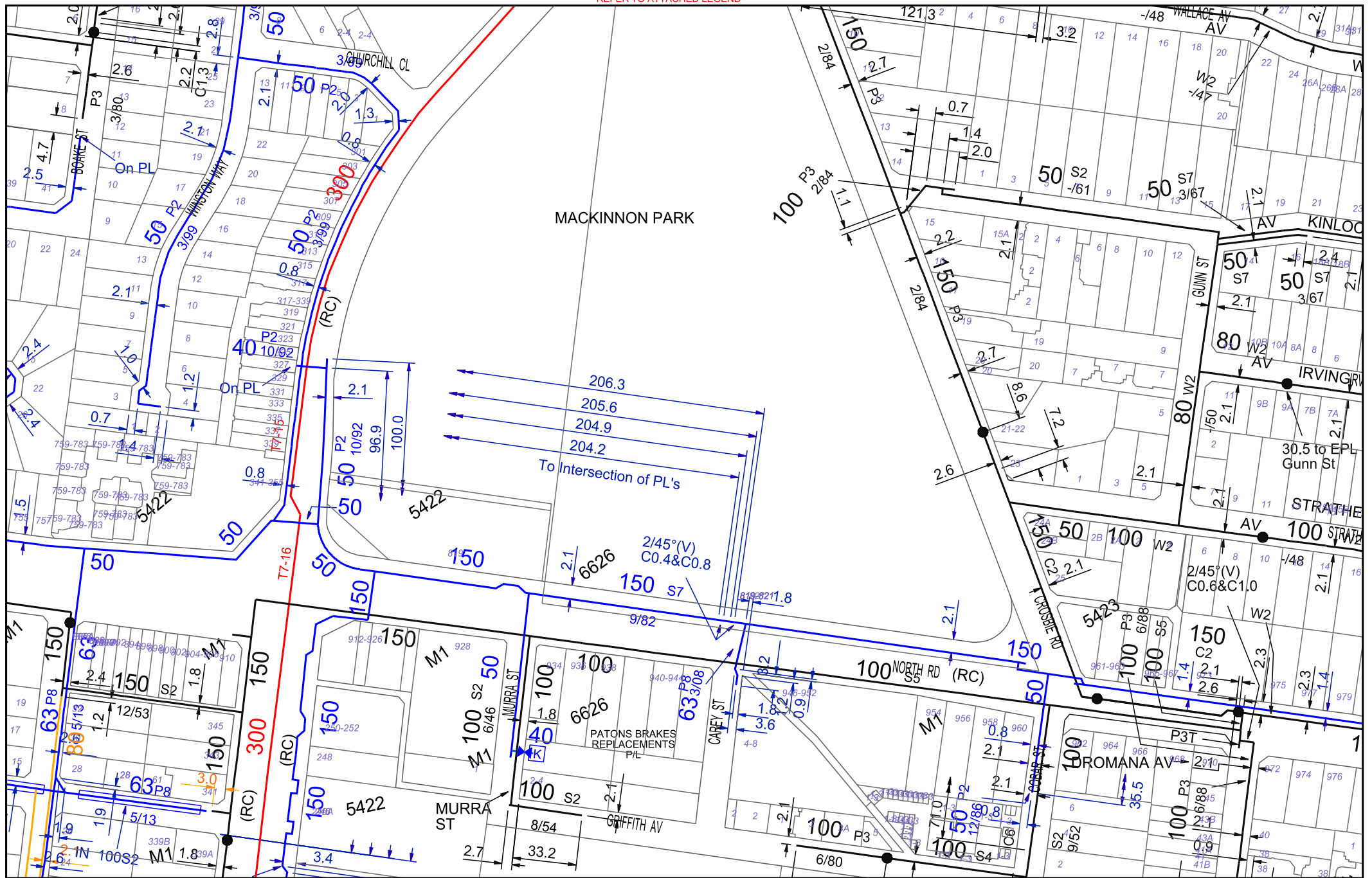
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MULTINET GAS  
ABN 53 634 214 009



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

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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

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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.**

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

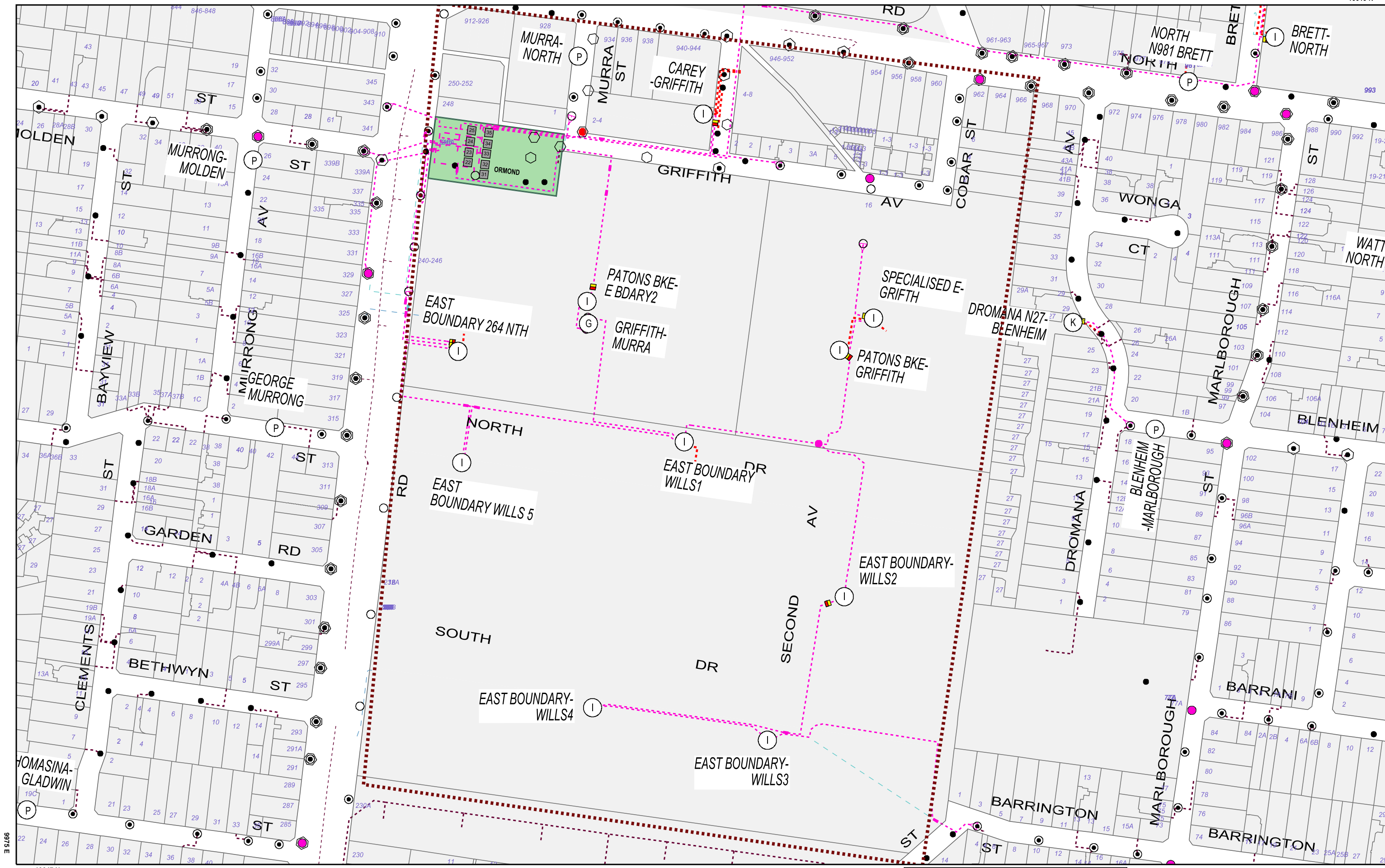
ISSUE DATE : 25/01/2018


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

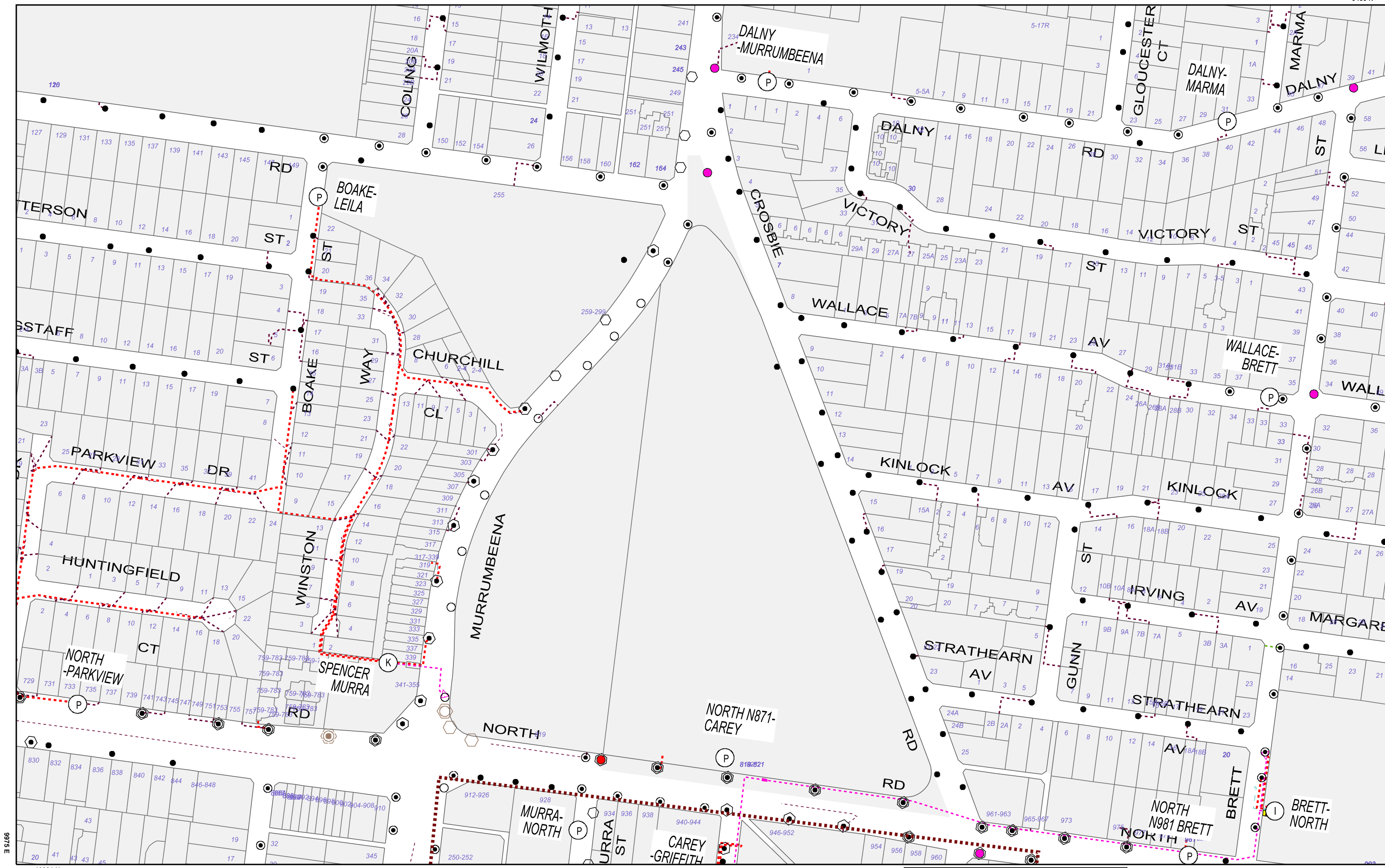
**MELWAY REF : 68 K10**


**ISSUE DATE : 25/01/2018**

**DBYD Sequence Number: 67992266**

**SYSTEM PLAN : YARRA 2500/11.02**







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0m 60m 120m 180m 240m

SCALE: 1:2500

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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**






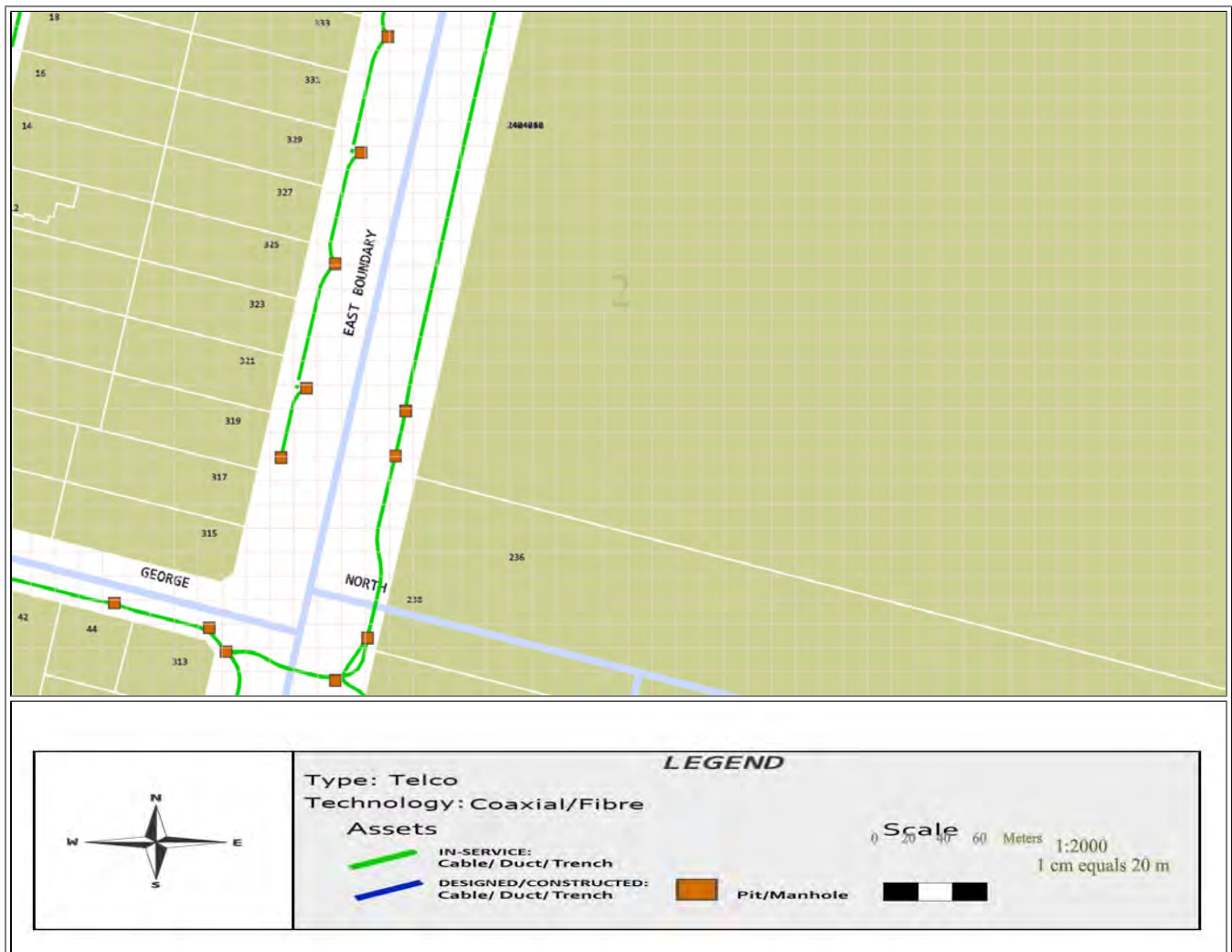
## Indicative Plans

|             |   |   |
|-------------|---|---|
| Issue Date: | 25/01/2018                                |  |
| Location:   | E Boundary Road, Bentleigh East, VIC-3165 |   |

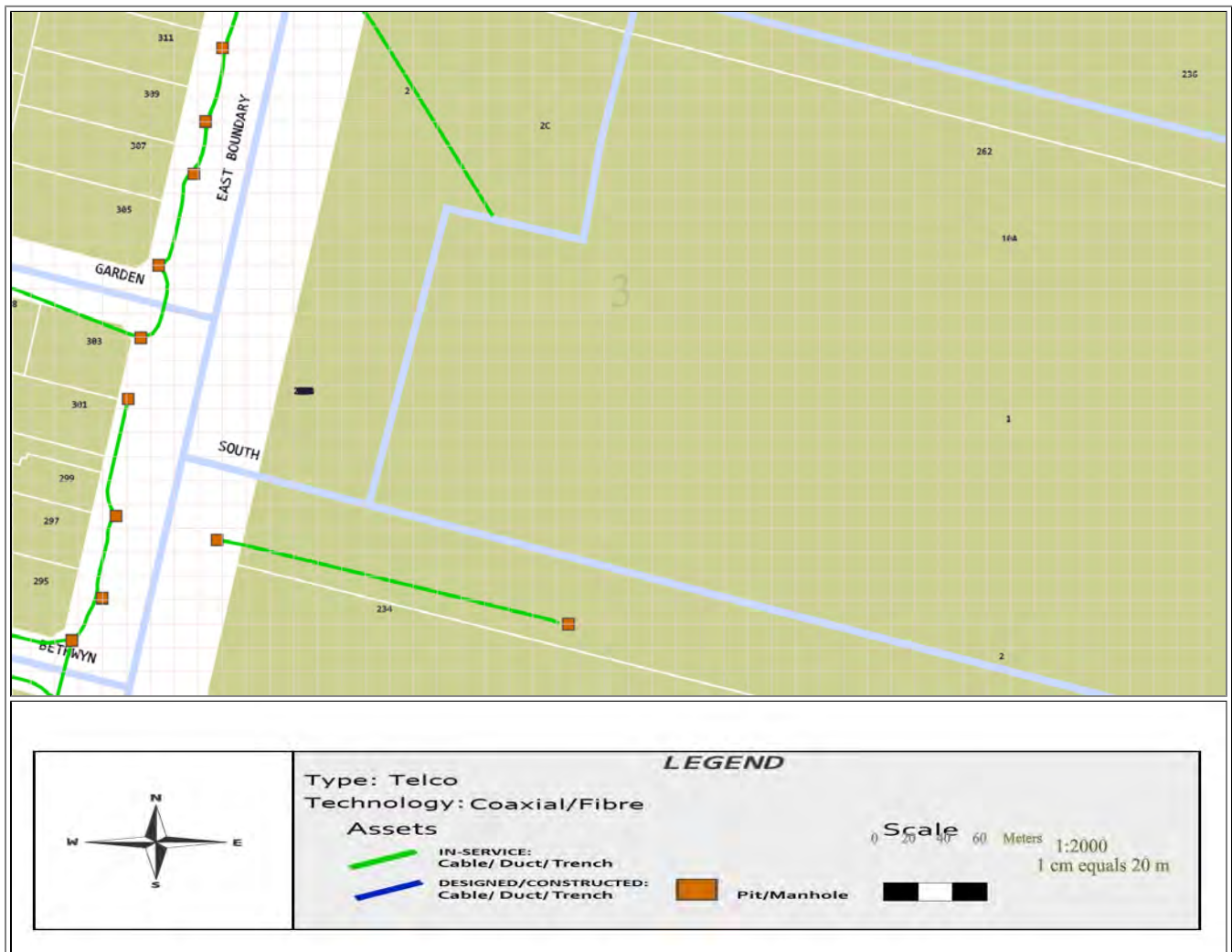
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|---|---|
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| 2 | 6 |
| 3 | 7 |
| 4 | 8 |

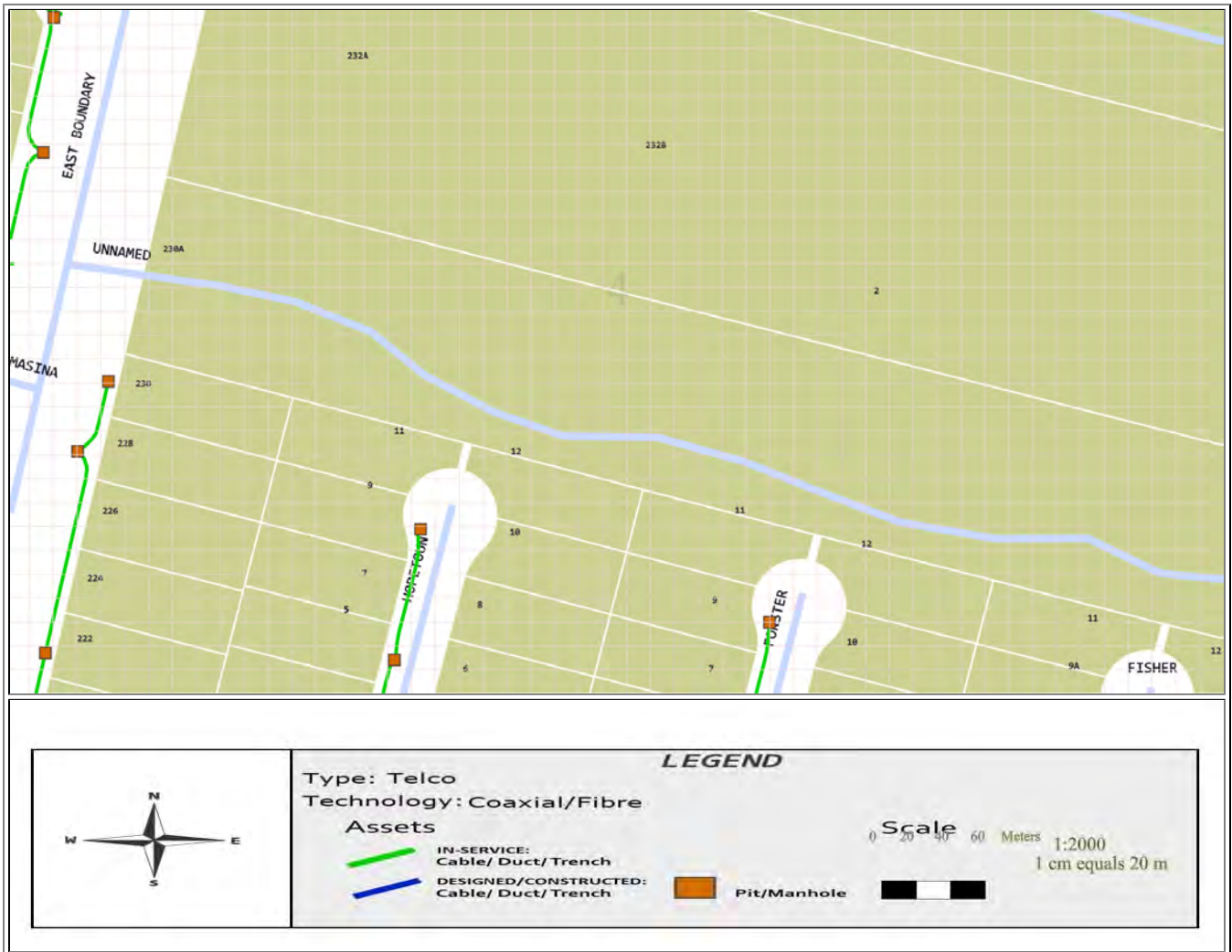
|   |  |   |  |
|---|--|---|--|
|    |  | <b>LEGEND</b>   |  |
| Type: Telco   |  | Technology: Coaxial/Fibre   |  |
| <b>Assets</b>   |  | <b>Scale</b>  |  |
|  IN-SERVICE: Cable/ Duct/ Trench           |  | 0 20 40 60 Meters 1:2000<br>1 cm equals 20 m  |  |
|  DESIGNED/CONSTRUCTED: Cable/ Duct/ Trench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





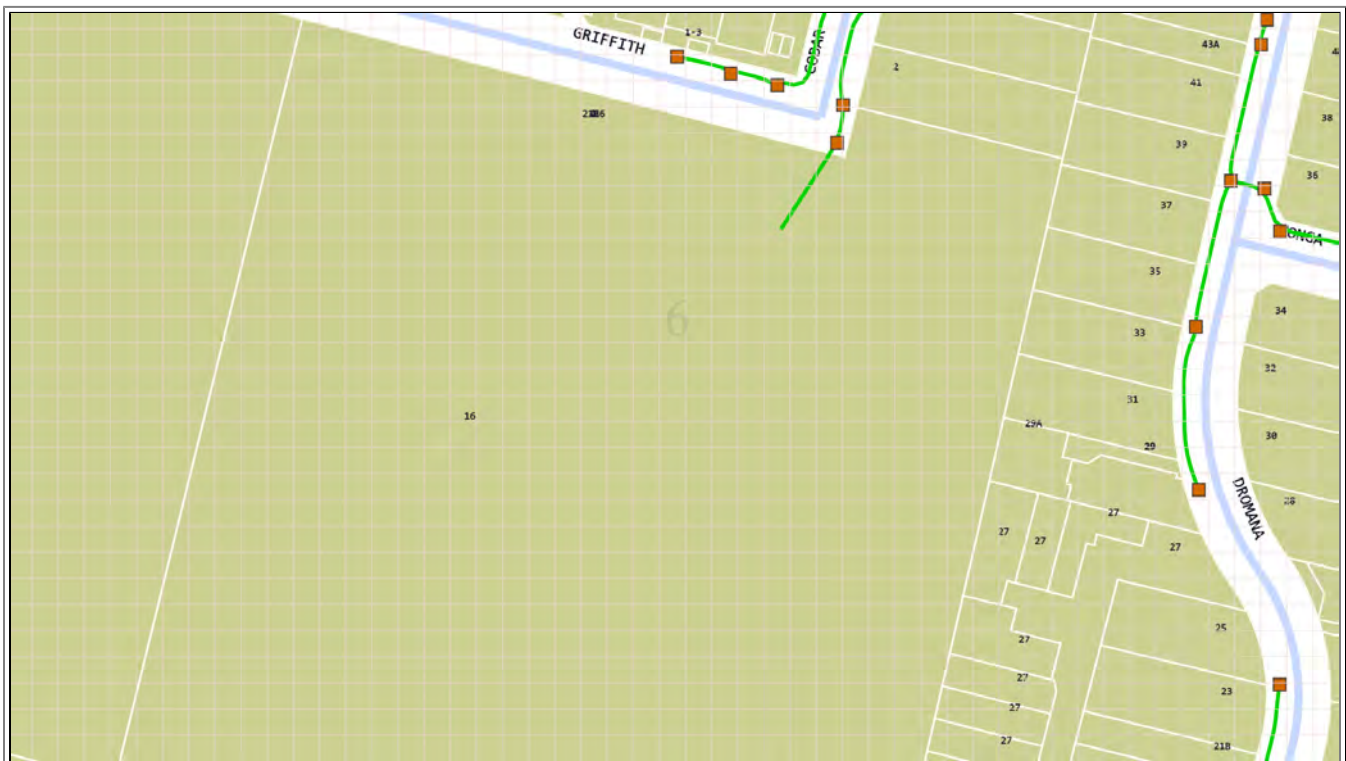




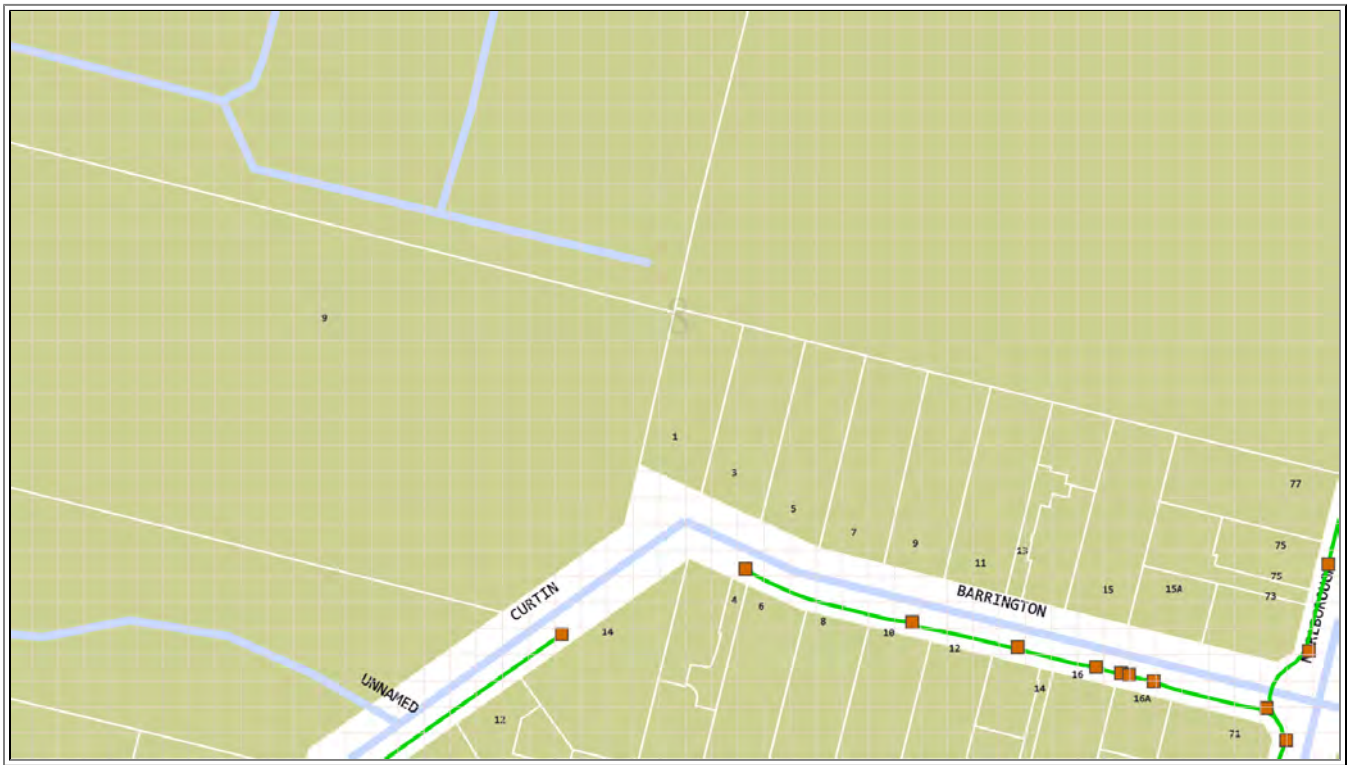












## Emergency Contacts




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





Date: 25/01/2018



|   |                |
|---|----------------|
|  | Cable          |
|  | 3rd Party Duct |
|  | Marker Post    |



Sequence Number: 67992265

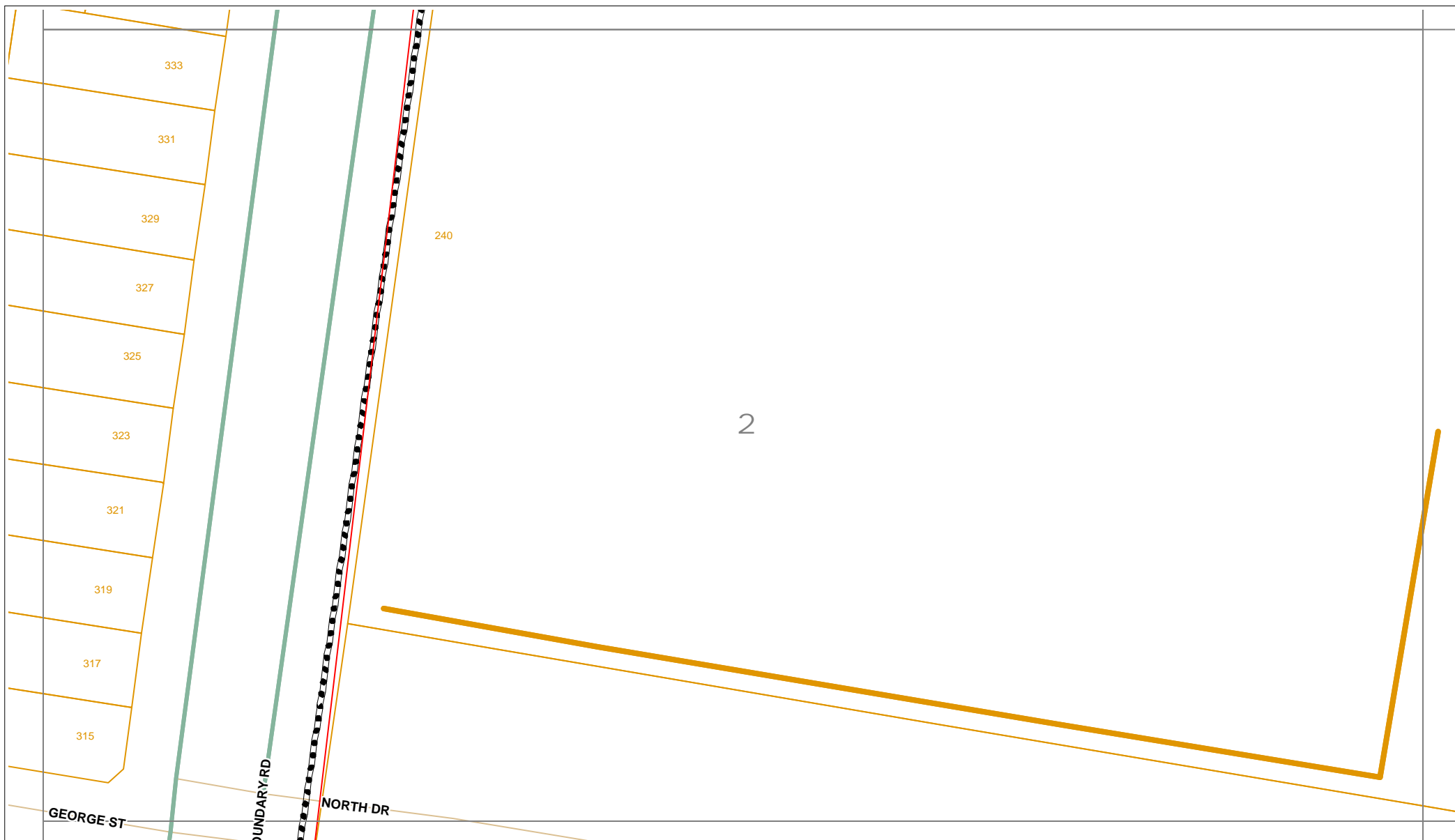
Date: 25/01/2018

**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

Date: 25/01/2018

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## LEGEND

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






Sequence Number: 67992265

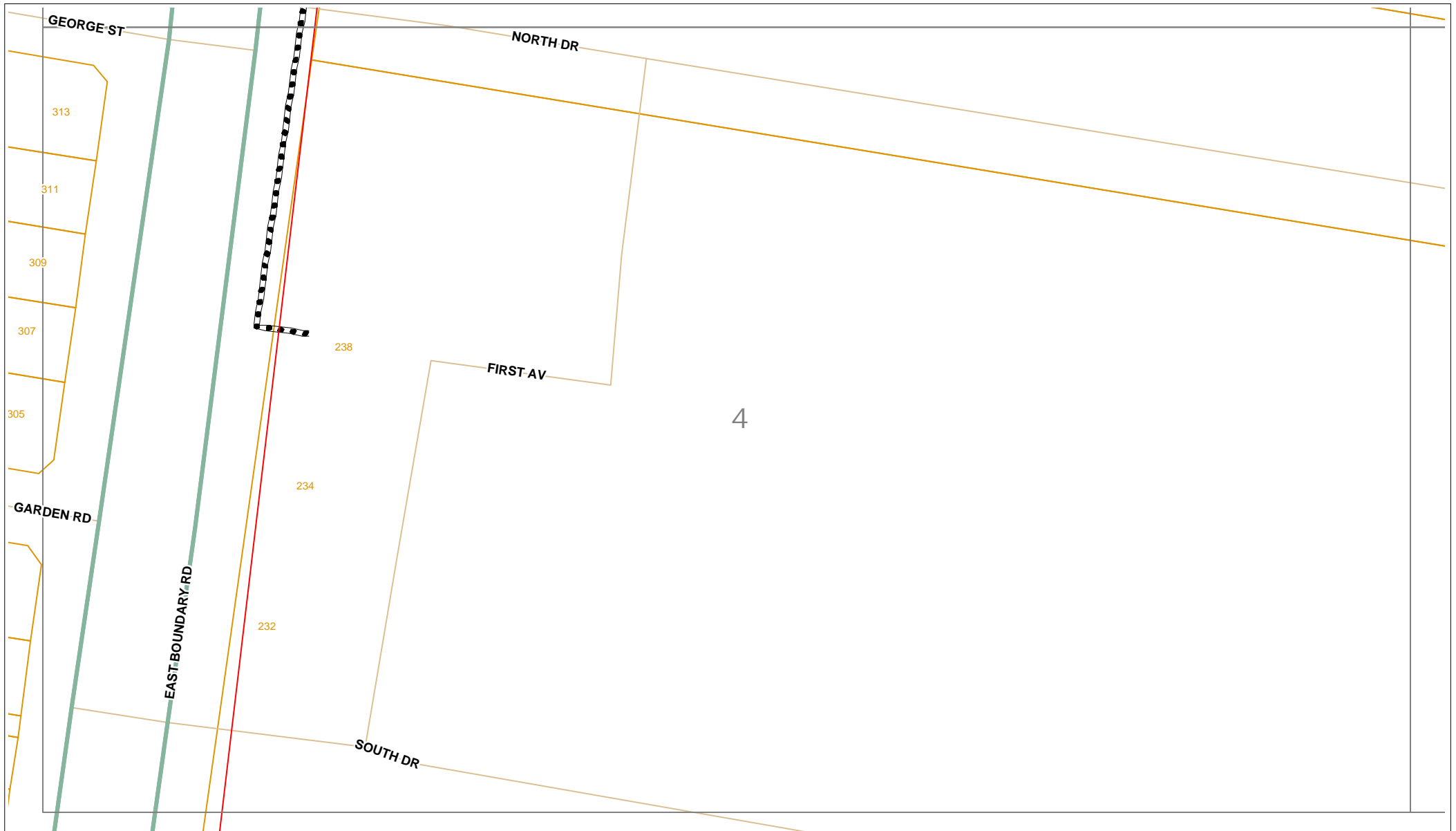
Date: 25/01/2018

**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

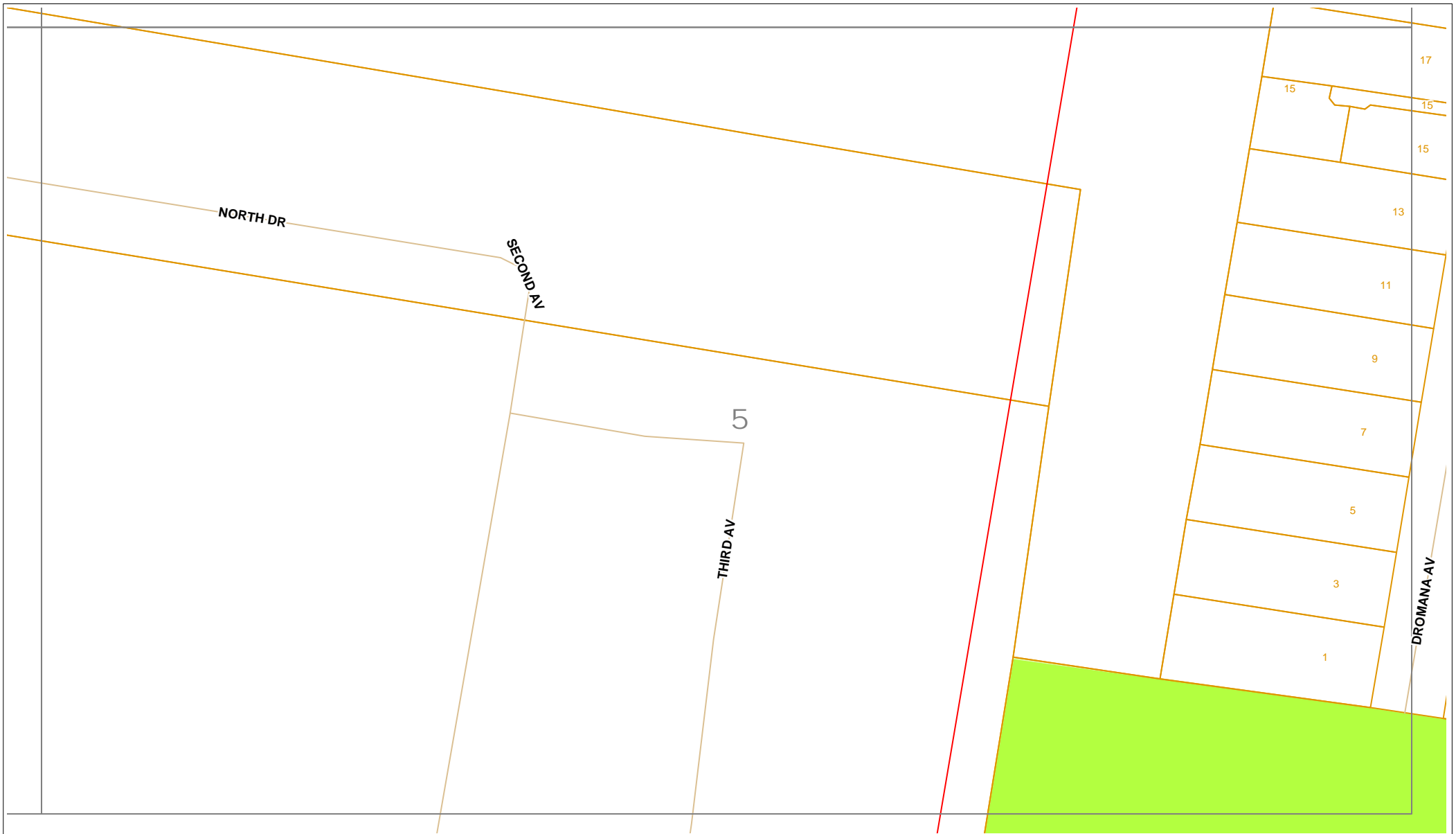
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## LEGEND

| 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

Date: 25/01/2018

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## LEGEND

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









Sequence Number: 67992265

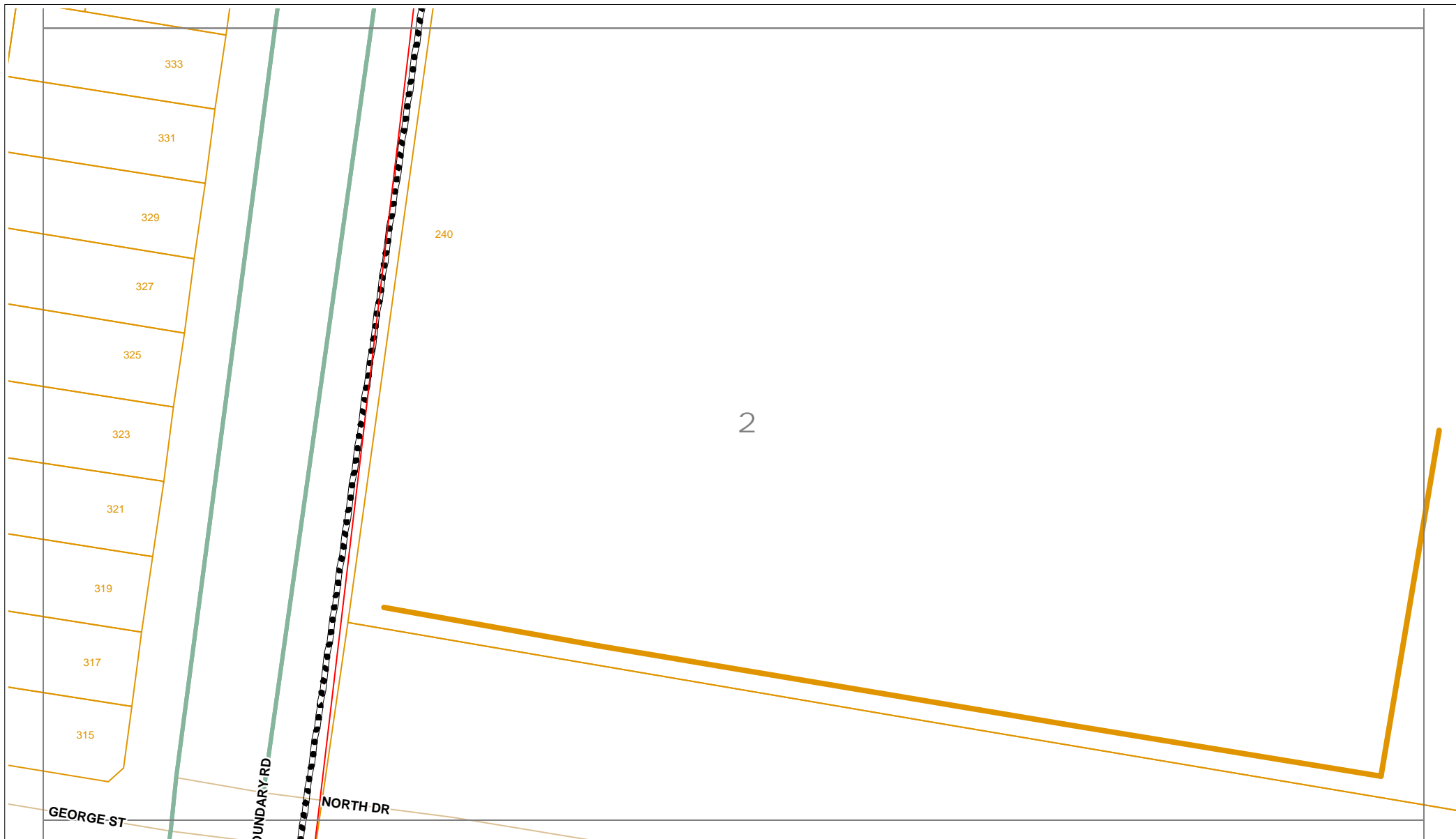
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**DISCLAIMER:** THIS DRAWING SHOULD NOT BE SCALED TO LOCATE CABLES. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE. IF YOU REQUIRE INFORMATION REGARDING LOCATING THE CABLE PLEASE CALL NEXTGEN. THIS DOCUMENT HAS BEEN PREPARED SOLELY 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

Date: 25/01/2018

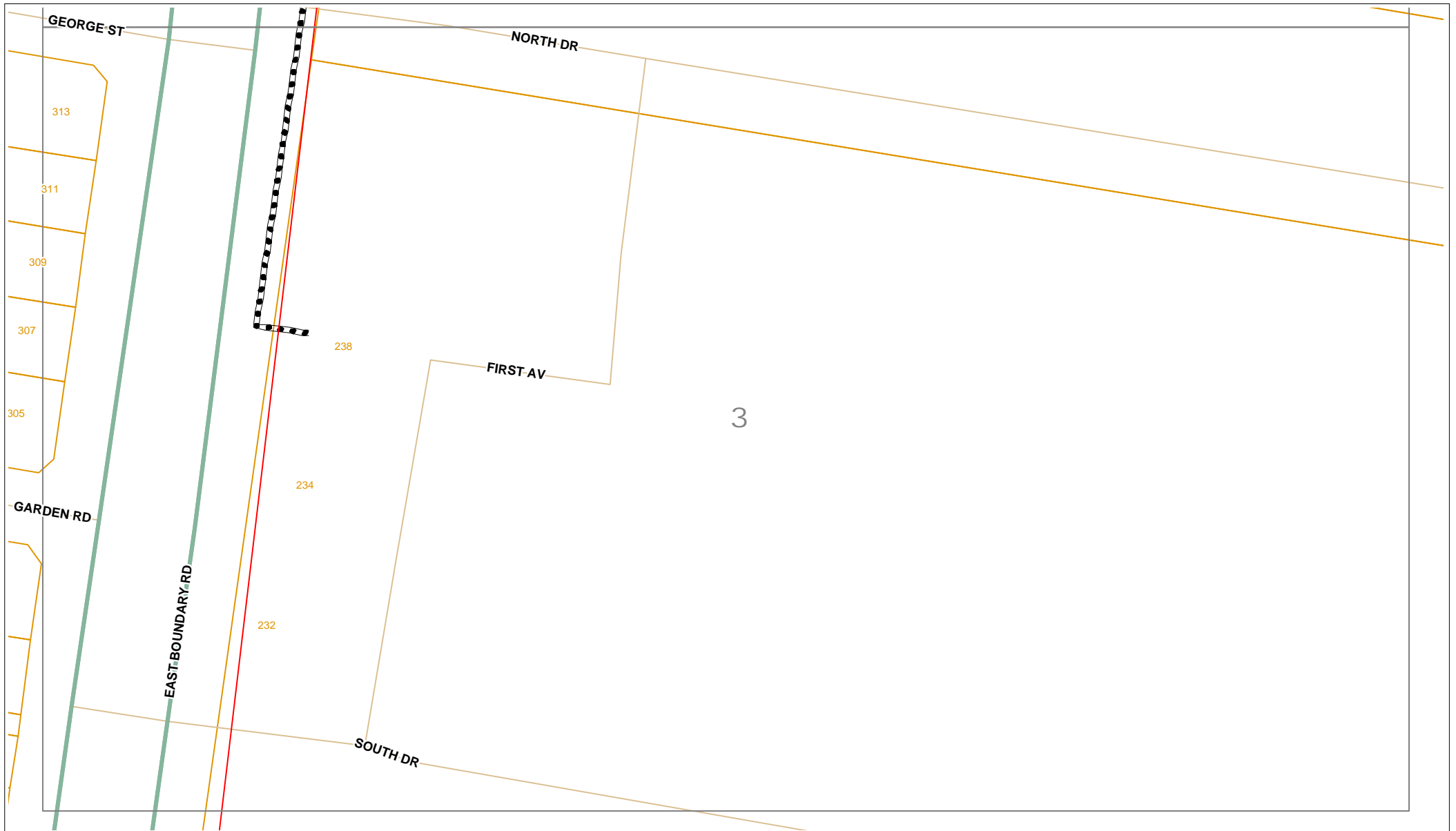
**DISCLAIMER:** THIS DRAWING SHOULD NOT BE SCALED TO LOCATE CABLES. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE. IF YOU REQUIRE INFORMATION REGARDING LOCATING THE CABLE PLEASE CALL NEXTGEN. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR DIAL BEFORE YOU DIG USE. THIS PLAN CONTAINS COMMERCIALLY 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

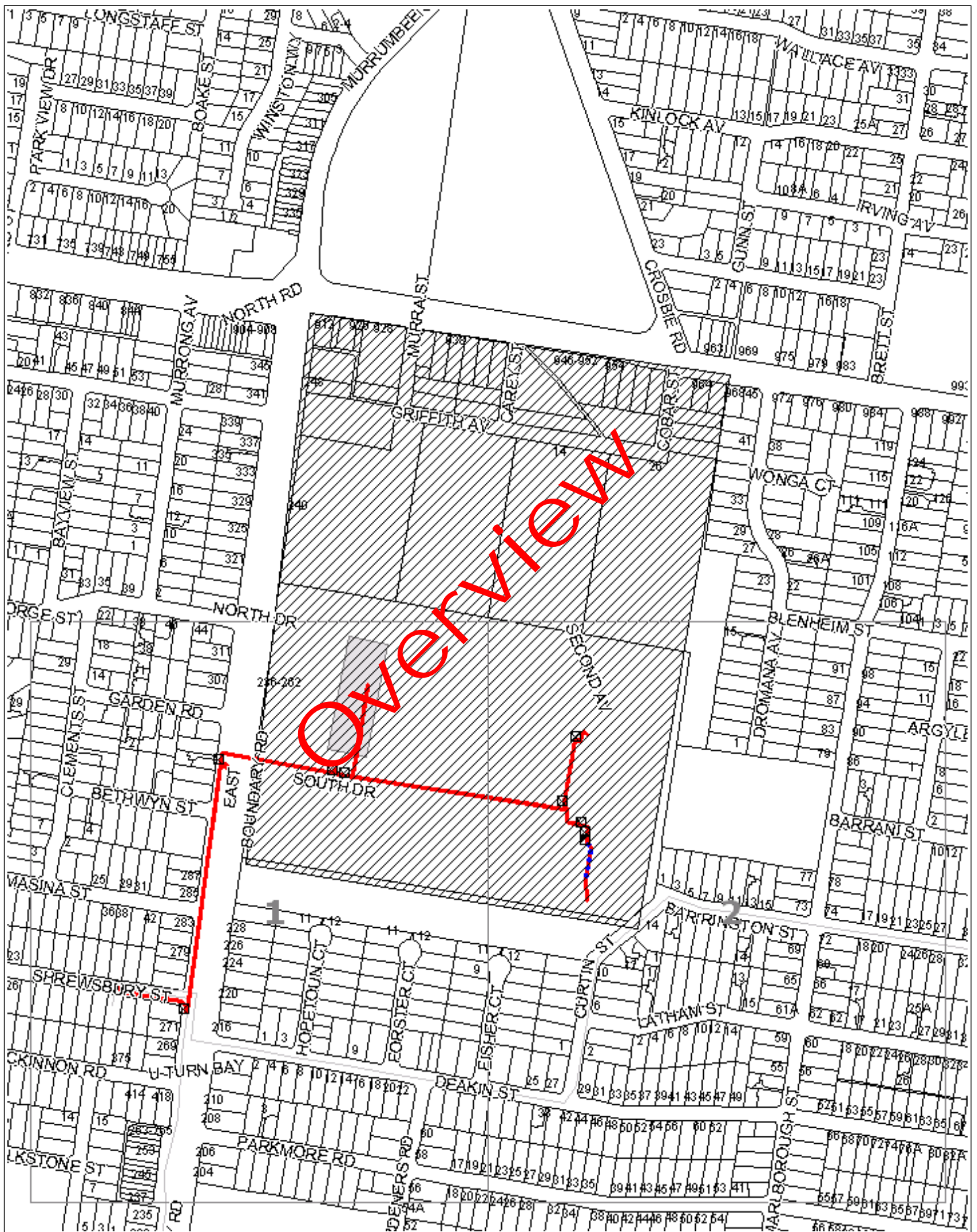
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## LEGEND

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



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Sequence Number: 67992268

Date Generated: 25/01/2018



For all Optus DBYD plan enquiries –  
Email: [Fibre.Locations@optus.net.au](mailto: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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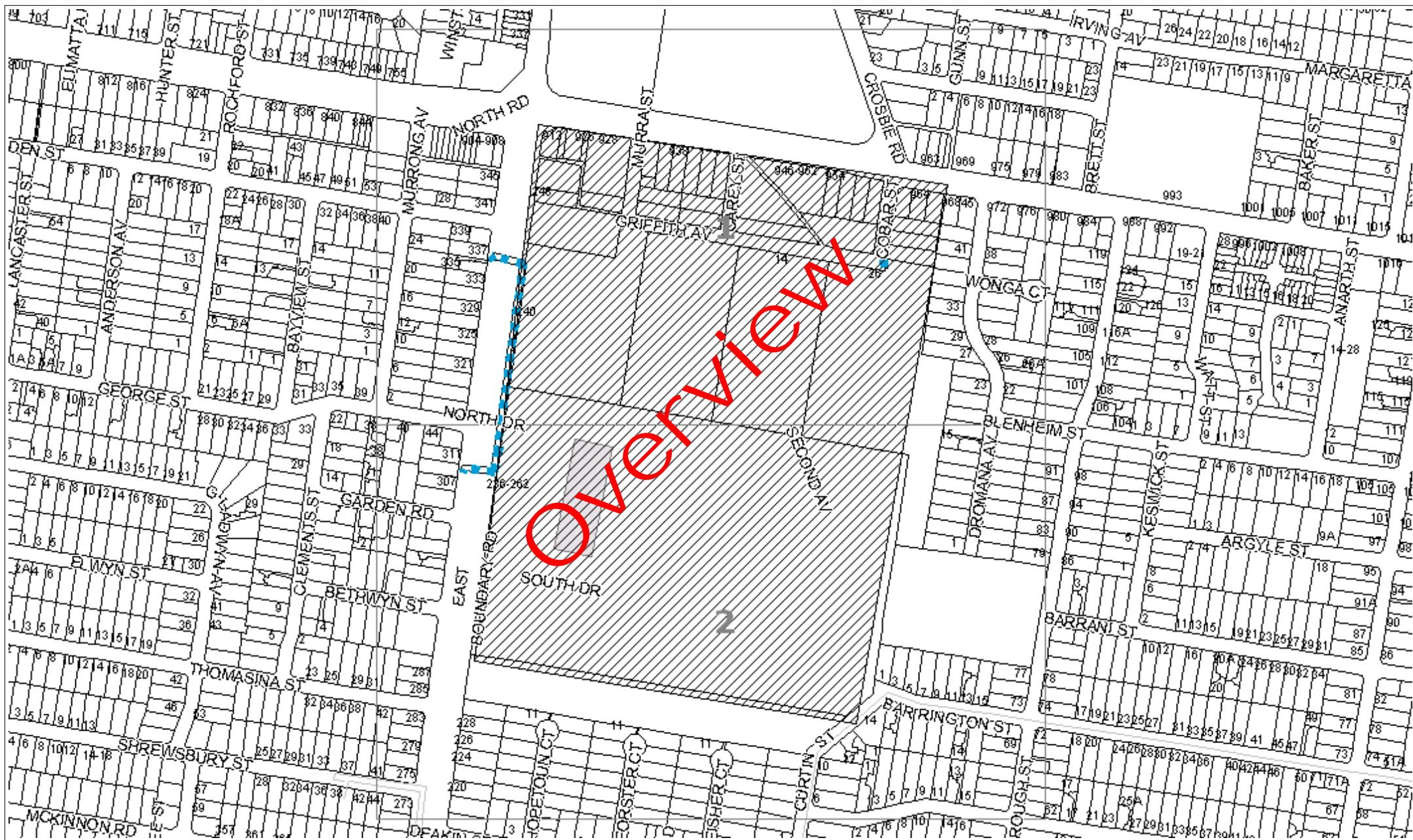
Sequence Number: 67992268

Date Generated: 25/01/2018



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For urgent onsite assistance contact 1800 505 777  
Optus Limited ACN 052 833 208





**Uecomm**

**Cable Uecomm Underground**

Scale: #INSERT MAP SCALE#

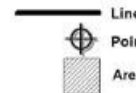
Printed On: 25/01/2018

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**

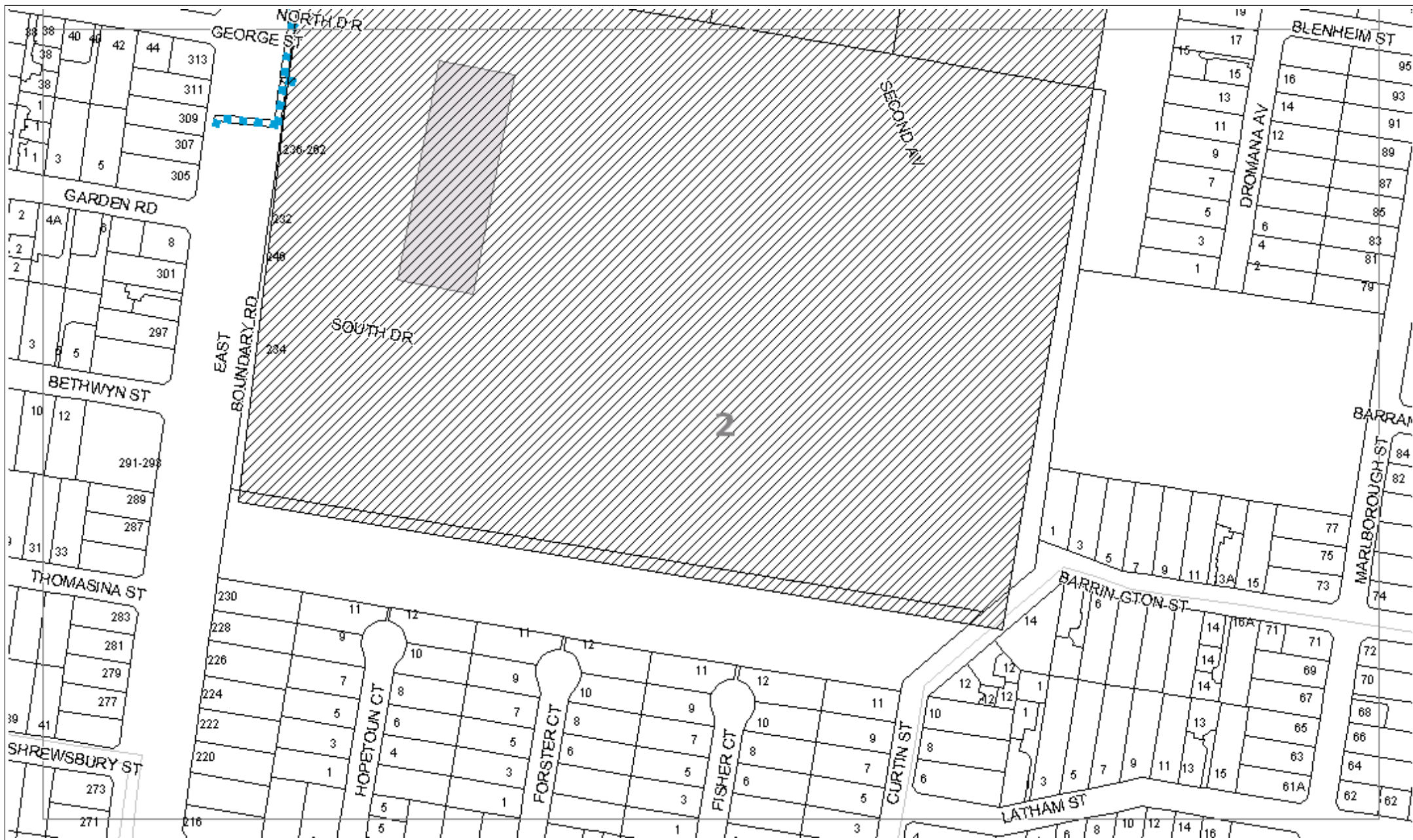


**Underground Asset**

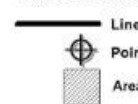


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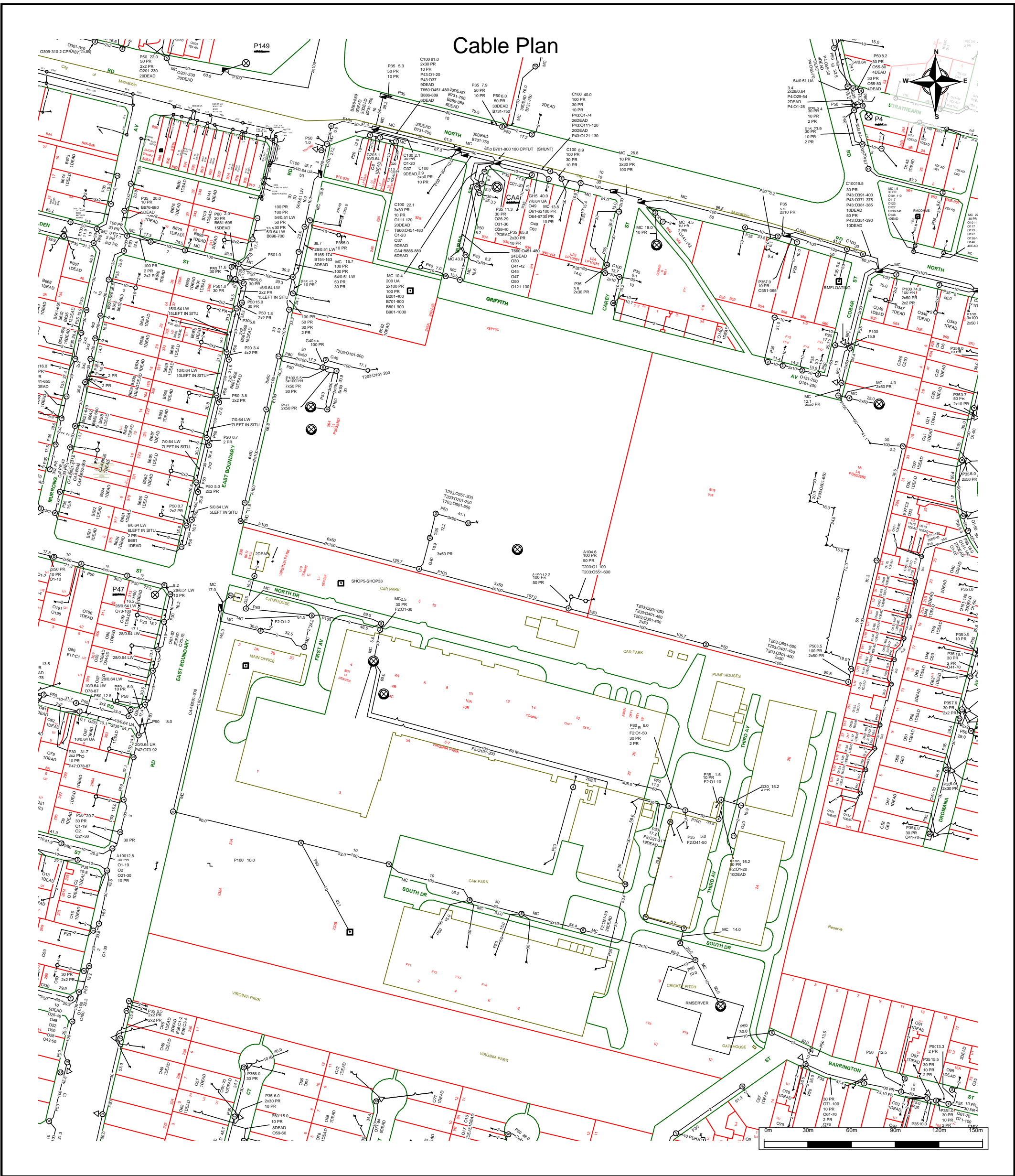
**Job Location**



**Underground Asset**



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email - [Telstra.Plans@team.telstra.com](mailto: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.

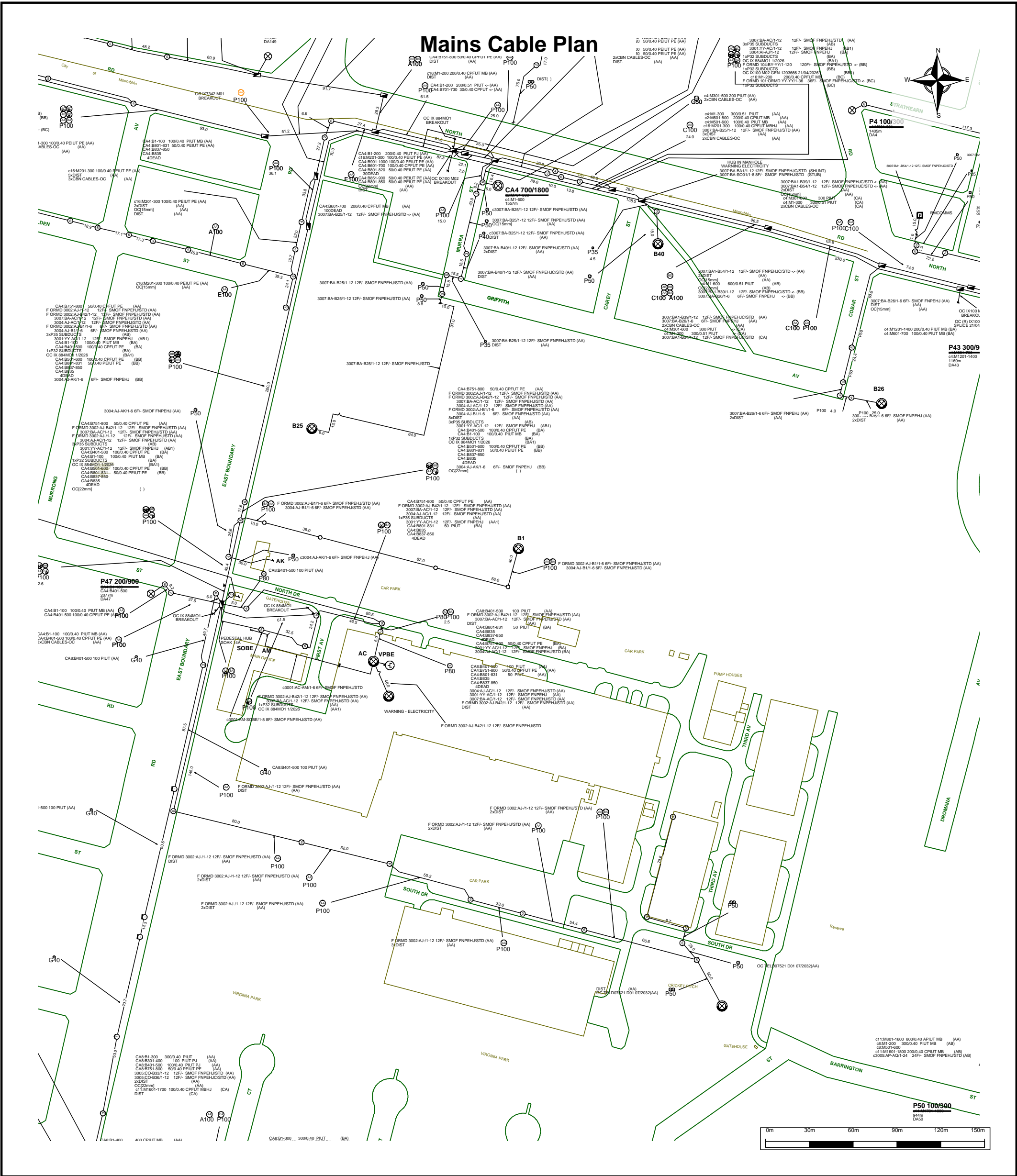
It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

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.

Page 1 of 2





|   |  |  |
|---|--|--|
|   | <p>For all Telstra DBYD plan enquiries - email - <a href="mailto:Telstra.Plans@team.telstra.com">Telstra.Plans@team.telstra.com</a><br/>For urgent onsite contact only - ph 1800 653 935 (bus hrs)</p> | <p>Sequence Number: 68463163</p>   |
| <p>TELSTRA CORPORATION LIMITED A.C.N. 051 775 556</p> |  | <p><b>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.</b></p> |
| <p>Generated On 09/02/2018 12:50:27</p>               |  |  |

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.

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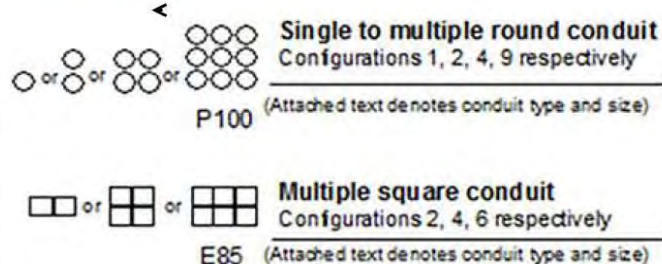
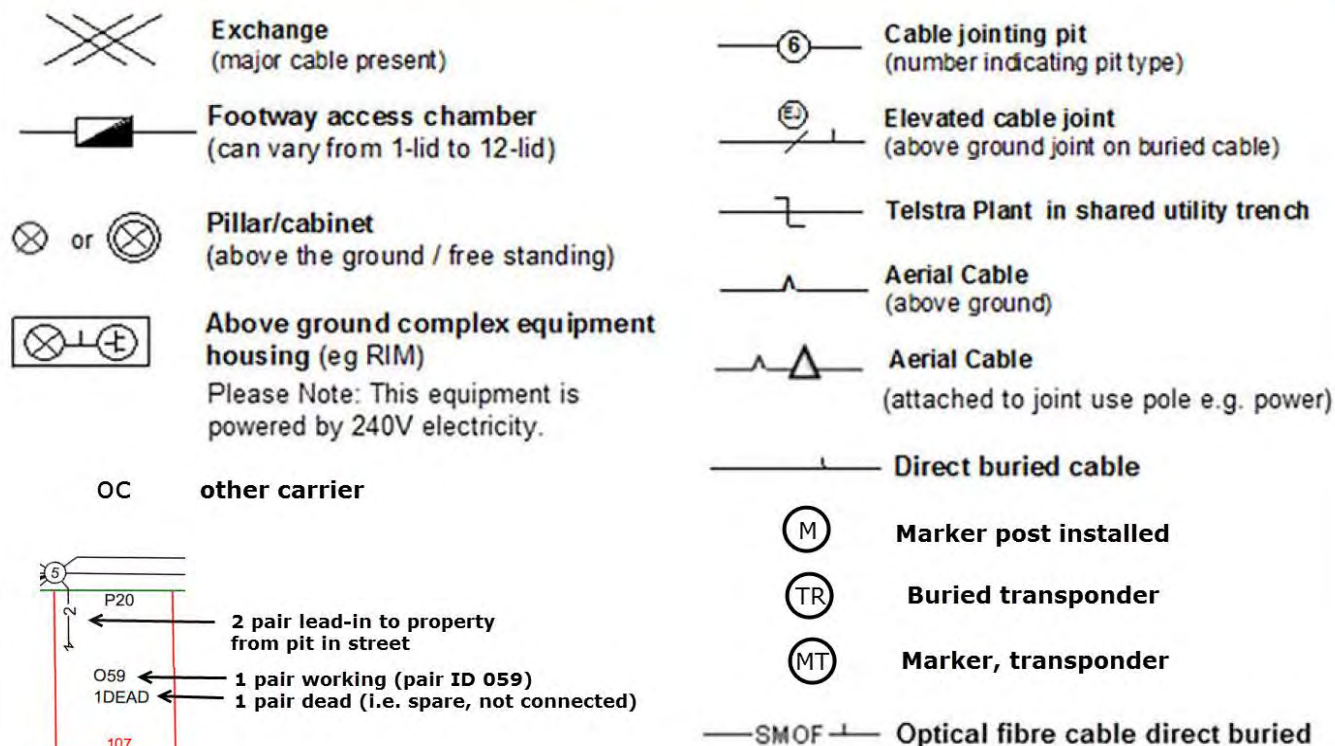
Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.



# LEGEND

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

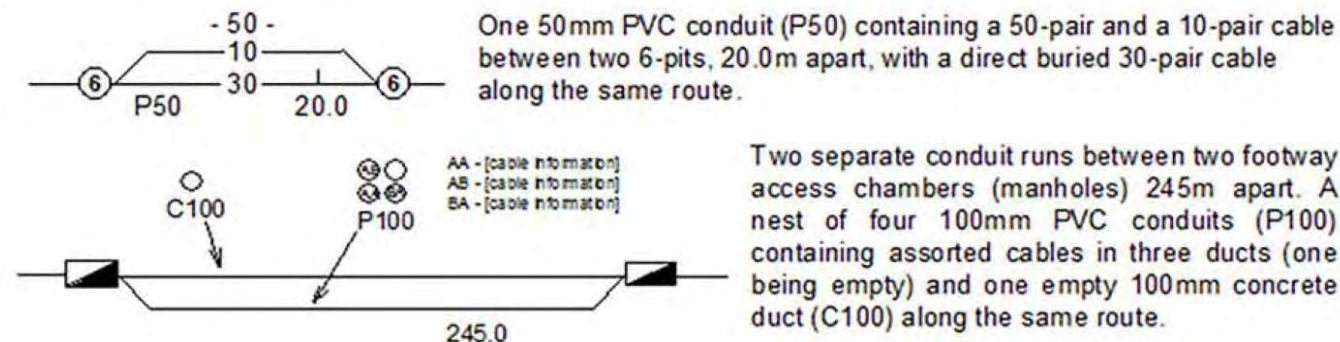
IT'S HOW  
WE CONNECT



**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

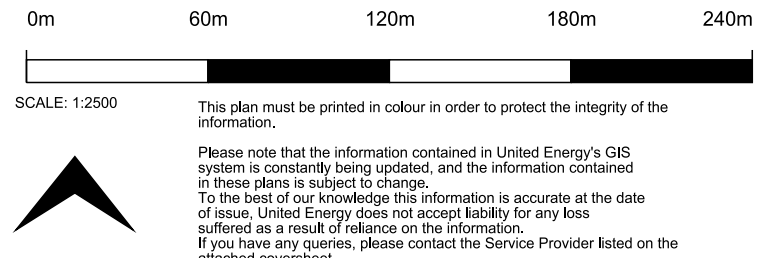
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### Legend

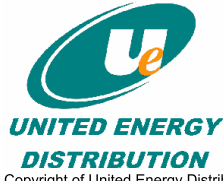
- Electrical [Electricity]
- HV Cable Head, 11kV Location
- HV UG Cable, 11kV Location
- HV UG Cable, abandoned Location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, Service Location
- LV UG Cable, Street Lighting Location - Valid

MELWAY REF : 68 K11

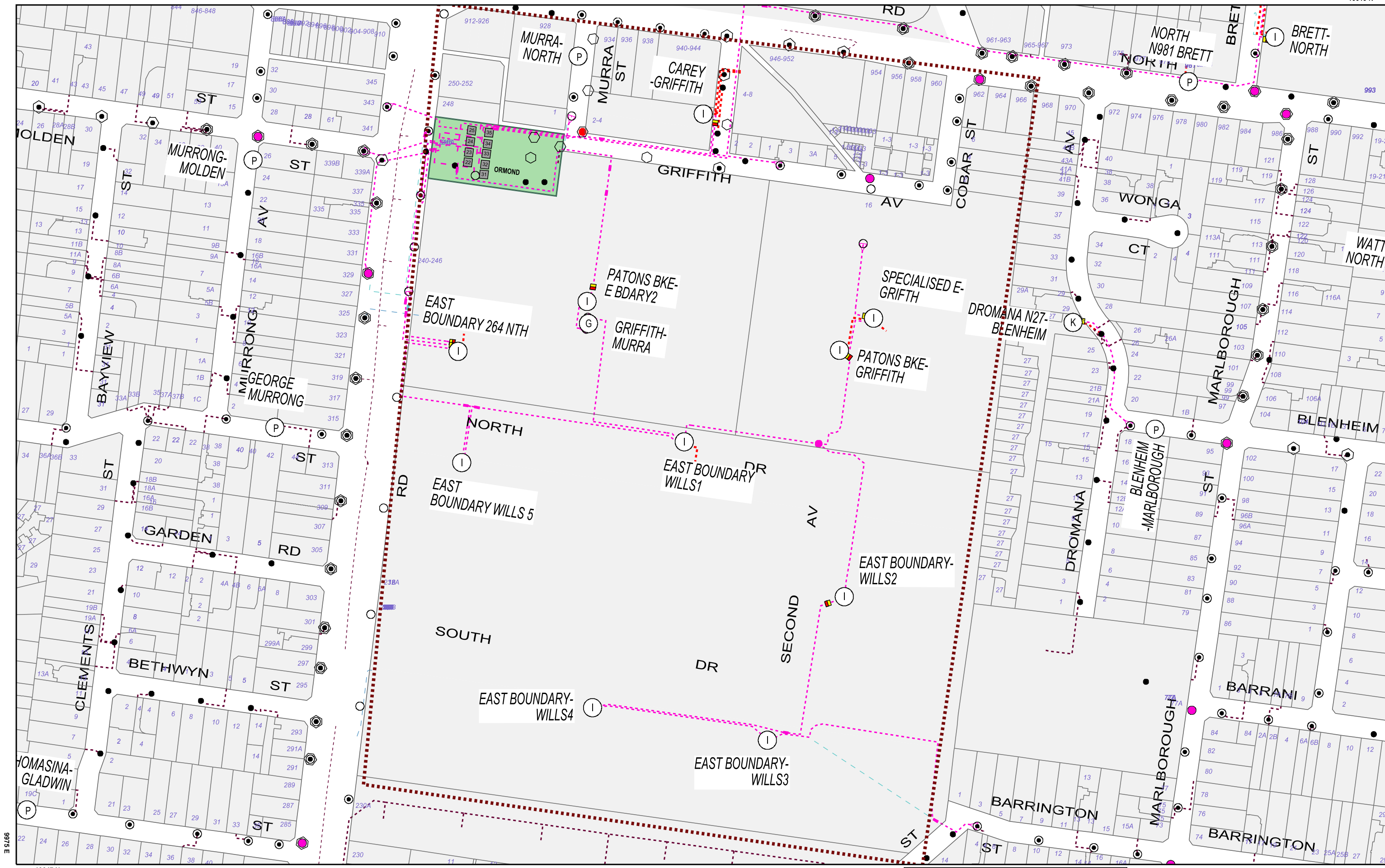
ISSUE DATE : 25/01/2018


DBYD Sequence Number: 67992266

SYSTEM PLAN : YARRA 2500/11.02



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**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
- Stn Cable, Location 11kV - in service

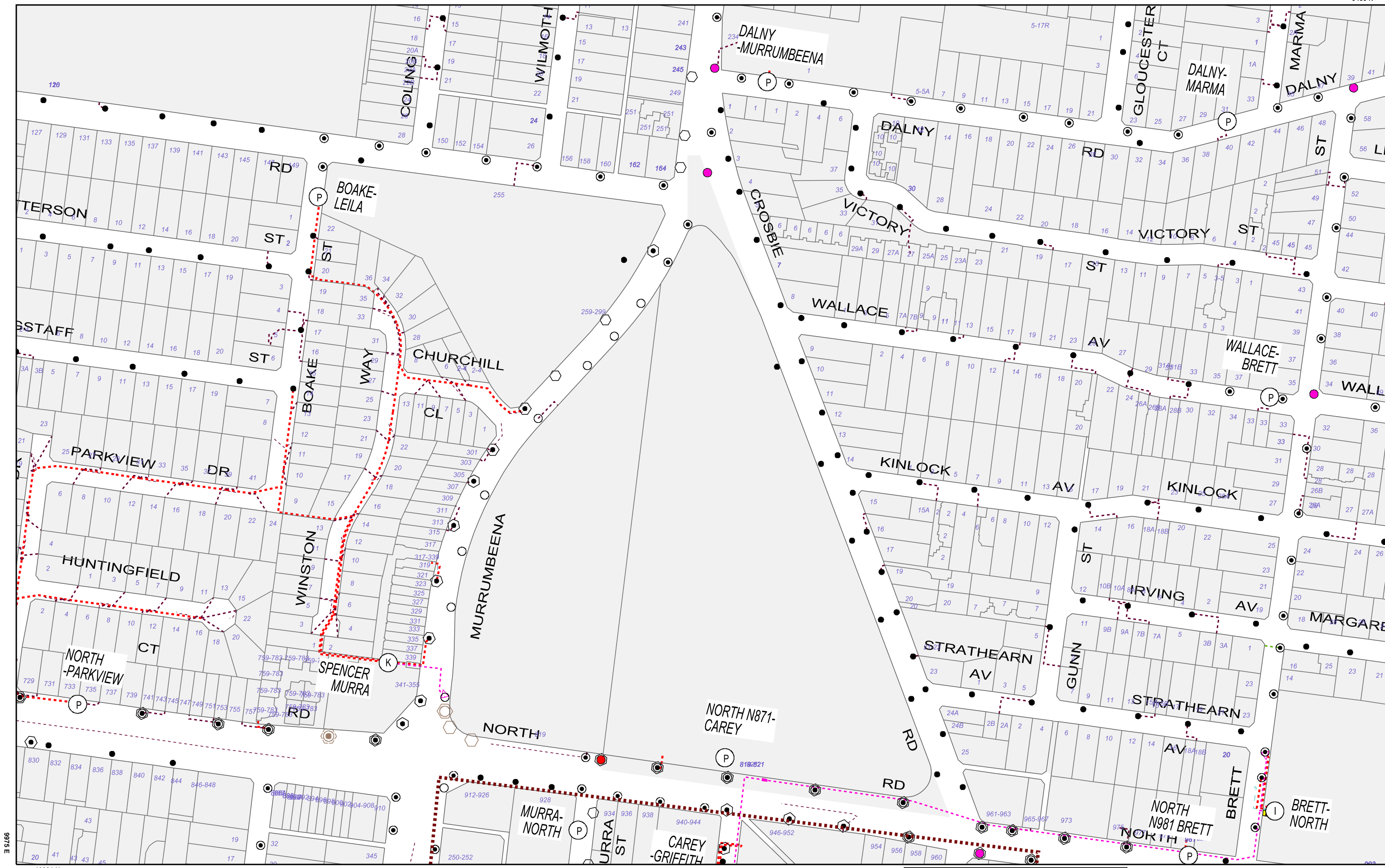
**MELWAY REF : 68 K10**

**ISSUE DATE : 25/01/2018**

**DBYD Sequence Number: 67992266**

**SYSTEM PLAN : YARRA 2500/11.02**





### WARNING

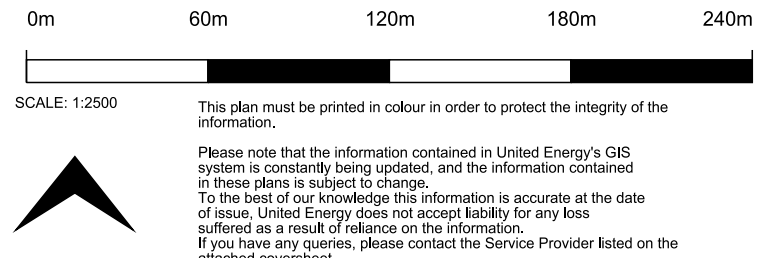
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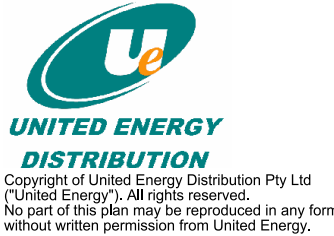
| Legend                   |  |
|--------------------------|--|
| Electrical [Electricity] |  |
|                          | HV Cable Head, 11kV Location                           |
|                          | HV UG Cable, 11kV Location                             |
|                          | HV UG 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



25 JANUARY 2018

Mrs Sally Egan  
E-mail: [segan@bluesphere-enviro.com.au](mailto: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](http://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:**

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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

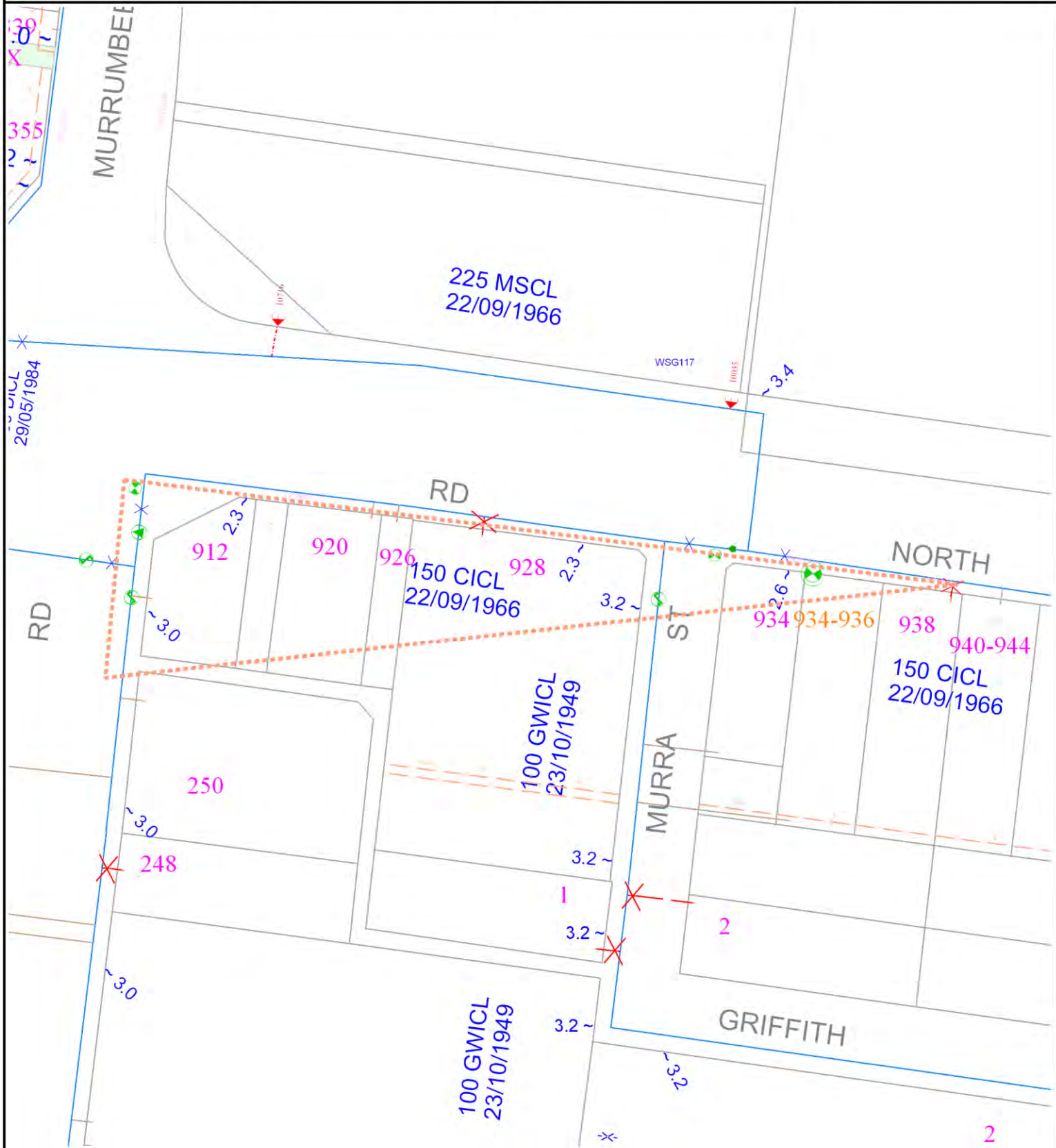
Case Number: 30357459

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<br>26.9.1975<br>— Water Main | ~ 1.0 Offset from Boundary |                |



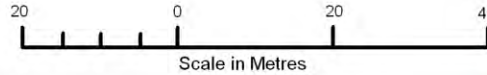
Property: E Boundary Road, Bentleigh East VIC 3165

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            | ← 225 VC<br>280 MOR Direction of Flow | <1.0> Offset from Boundary |

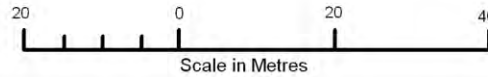




Property: E Boundary Road, Bentleigh East VIC 3165

Case Number: 30357459

Sequence Number: 67992270



Date: 25 January 2018

68K10,68K9,69A11



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



25 JANUARY 2018

Mrs Sally Egan  
E-mail: [segan@bluesphere-enviro.com.au](mailto: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](http://southeastwater.com.au)

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Yours sincerely



Martin Dunkley

**MANAGER ASSET INFORMATION SYSTEMS**





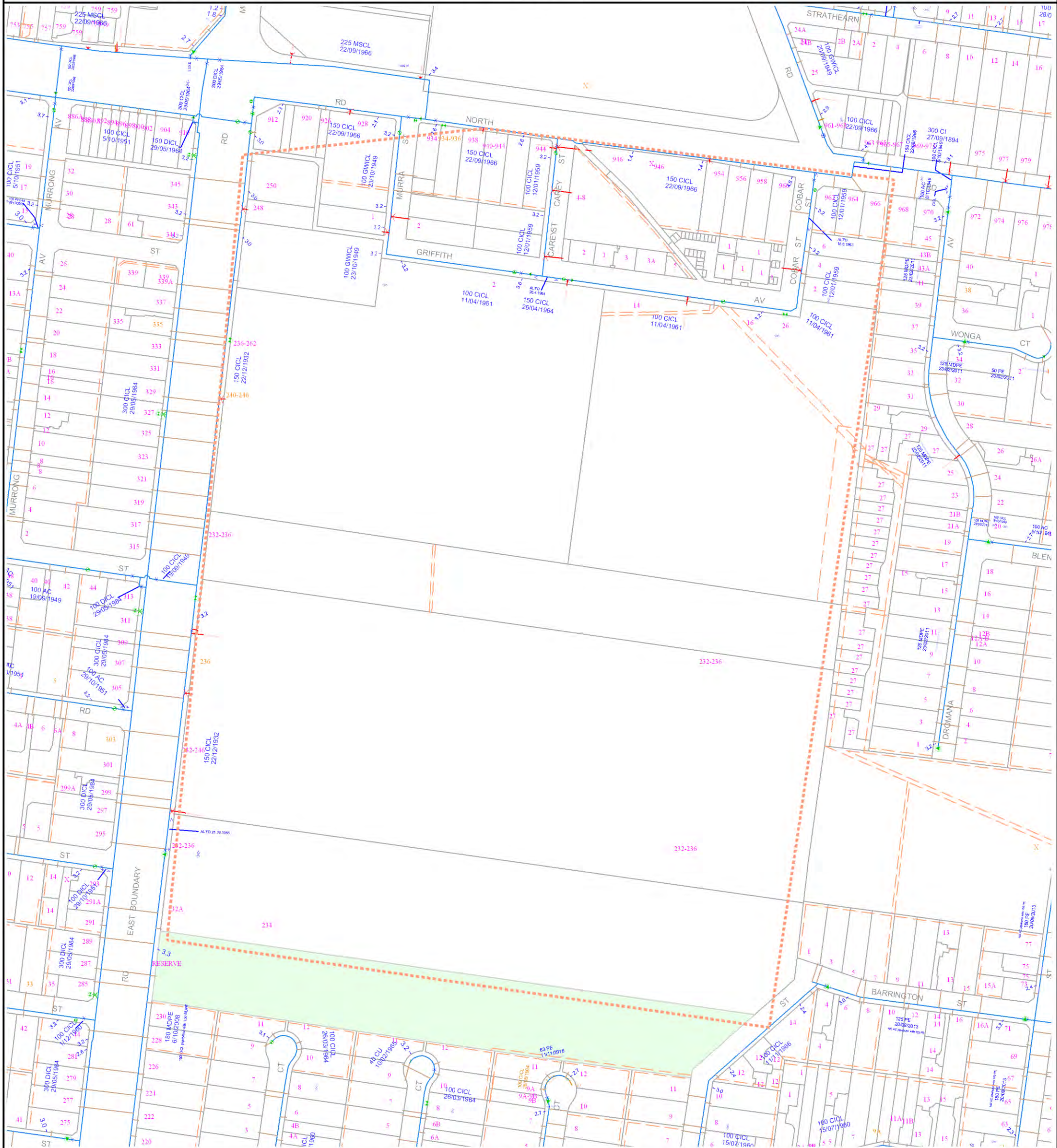
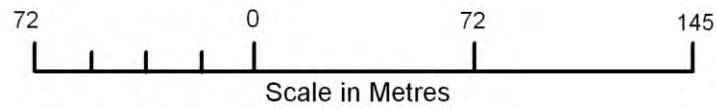
Property: E Boundary Road, Bentleigh East VIC 3165

Case Number: 30357486

Sequence Number: 67992271

Date: 25 January 2018

68K11,69A10,69A9



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|                     |                       |                      |              |
|---------------------|-----------------------|----------------------|--------------|
| Title/Road Boundary | 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

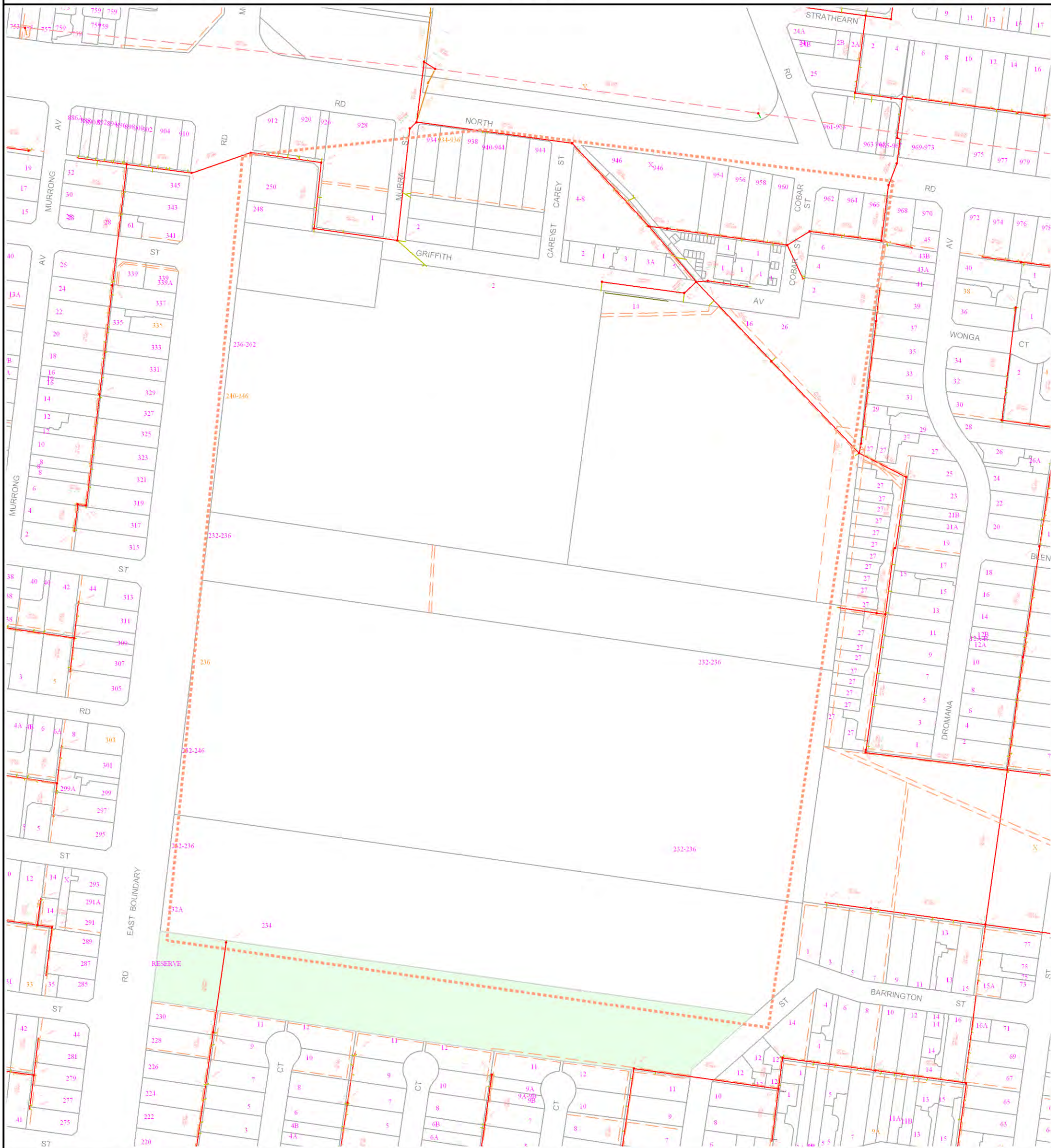
Case Number: 30357486

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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<br>225 VC<br>280 MOR |  | Offset from Boundary |

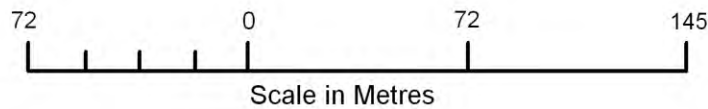




Property: E Boundary Road, Bentleigh East VIC 3165

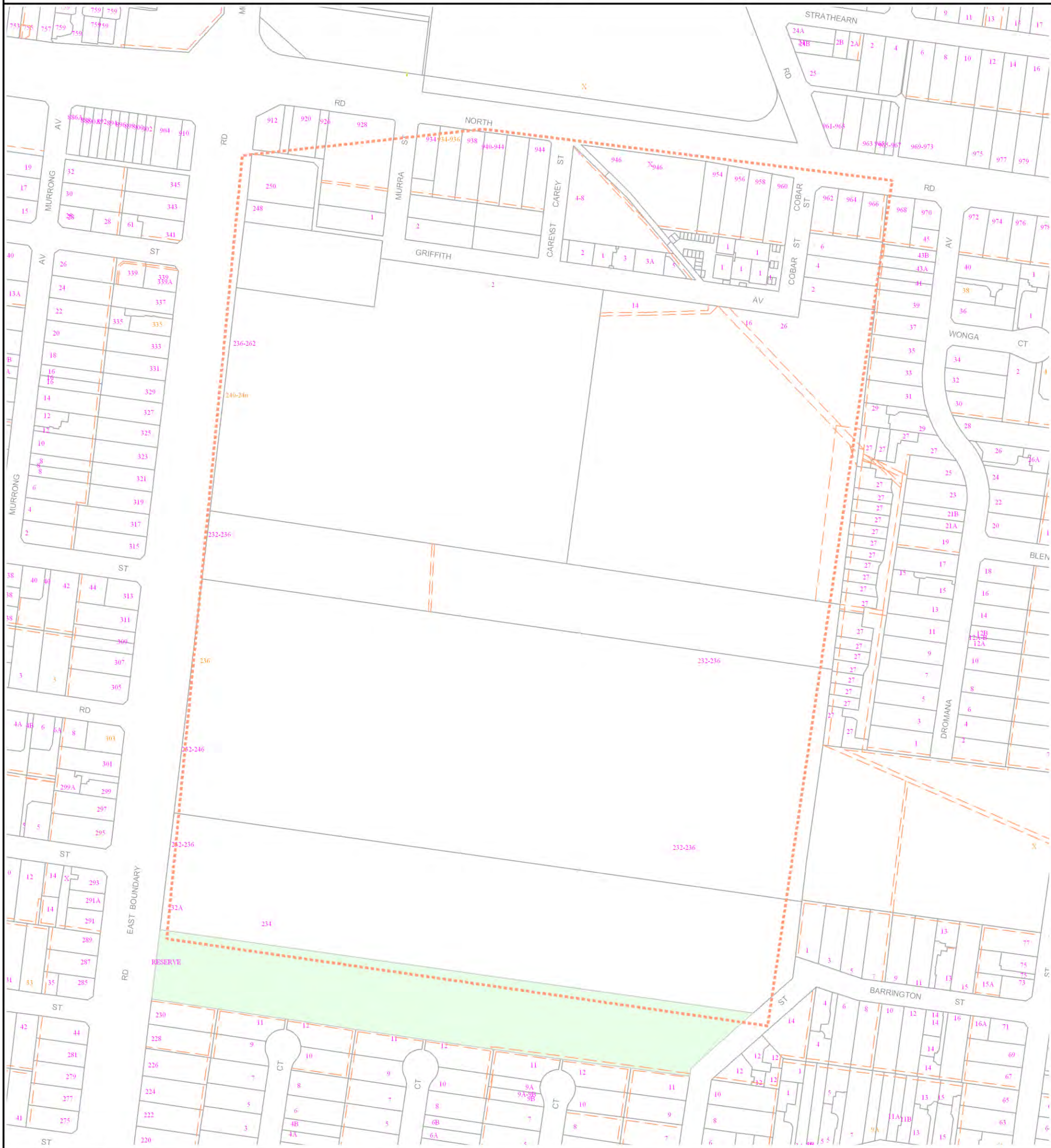
Case Number: 30357486

Sequence Number: 67992271



Date: 25 January 2018

68K11,69A10,69A9

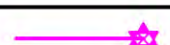


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— Title/Road Boundary

- - - Proposed Title/Road

- - - Easement



Chlorination Assembly



Recycled Water Main Valve



Recycled Water Main



Hydrant



Fireplug/Washout



Offset from Boundary ~ 1.0