BlueSphere
ENVIRONMENTAL

Maribyrnong Waterfront Preliminary Land Contamination Assessment

Prepared for:

City of Melbourne

Melbourne Town Hall
120 Swanston Street
Melbourne VIC 3000

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Maribyrnong Waterfront Preliminary Land Contamination Assessment

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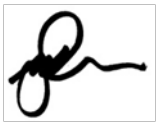
Technical Review:	Michael Seignior **Senior Principal Environmental Scientist**	

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Executive Summary

BlueSphere Environmental Pty Ltd (BlueSphere) was engaged by the City of Melbourne (CoM) to undertake a Preliminary Land Contamination Assessment for the Maribyrnong Waterfront study area (herein referred to as the Site). The Site comprises numerous land parcels with an approximate area of 30 hectares along or adjacent to the eastern bank of the Maribyrnong River, bounded by Dynon Road to the south and railway lines to the east and north. The majority of the Site is currently used for industrial and commercial uses.

The primary purpose of this study is to inform the development of the Maribyrnong Waterfront Opportunities Paper, which will be released for community engagement in mid-2019. This work may also be used to support any future structure planning processes and subsequent planning scheme amendments, including additional properties to the Environmental Audit Overlay (currently applied to Amendment C221 only).

A broad range of potentially contaminating activities (past and present) were identified to have occurred at the Site, including vehicle maintenance and storage, vehicle repairs and cleaning, steel merchants, metal products manufacturers, wool scourers, brick manufacturers, waste product merchants, fibre board manufacturers, soap and candle manufacturers, electrical appliance and electronic equipment repair and a concrete plant. Potential contaminants of concern that may be present include petroleum hydrocarbons, metals/metalloids, solvents, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, phenols, acids, asbestos, ammonia and formaldehyde.

Based on the risk ranking assessment undertaken, in accordance with the Department of Sustainability and Environment's Potentially Contaminated Land General Practice Note (June 2005) and Ministerial Direction 1, Potentially Contaminated Land, it is considered that 19 out of 24 land parcels within the Site would have a high potential for contamination. In accordance with the State Environment Protection Policies (SEPPs) (Prevention and Management of Contamination of Land; Waters) a number of beneficial uses of land and groundwater require protection and therefore preclusion of some protected beneficial uses of land and groundwater (i.e. potential contamination) could prevent certain uses being realised.

The nature and severity of contamination that may actually exist on land parcels within the Site is not currently well understood. It is understood that CoM is unaware of any previous environmental investigations undertaken within the Site.

This Preliminary Land Contamination Assessment is considered an appropriate mechanism to assess whether an Environmental Audit Overlay (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 and the completed site visit), it is recommended that an EAO be applied for all land parcels within the Site.

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 development completion.

Any future environmental investigations conducted on land parcels within the Site 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.

This report should be read in conjunction with the Limitations included in **Section 9**.

1 Introduction

BlueSphere Environmental Pty Ltd (BlueSphere) was engaged by the City of Melbourne (CoM) to undertake a Preliminary Land Contamination Assessment for the Maribyrnong Waterfront study area (herein referred to as the Site). The Site comprises numerous land parcels with an approximate area of 30 hectares along or adjacent to the eastern bank of the Maribyrnong River, bounded by Dynon Road to the south and railway lines to the east and north. The majority of the Site is currently used for industrial and commercial uses.

1.1 Project Background

The City of Melbourne's Urban Strategy branch is developing an opportunities paper for the Maribyrnong Waterfront (the Site). This will develop a vision and design guidelines for the Site which will be used to guide the review of development applications and inform future strategic planning work undertaken in Dynon. This follows the adoption of Amendment C221 which facilitates the urban renewal of the properties at 160-232 Kensington Road, West Melbourne (located within the Site area). The amendment has been adopted by the Future Melbourne Committee on 18 April 2017 and has been sent to the Minister for Planning for approval.

Amendment C221 was prepared at the request of the owners of the land at 160-232 Kensington Road, West Melbourne and resulted in the rezoning of land from Commercial 2 Zone to the Mixed Use Zone. This will enable the development of land for a mix of uses including residential and commercial in an area currently occupied by a mix of vacant land and industrial buildings.

Amendment C221 also resulted in the introduction of a Development Plan Overlay (DPO13). The vision for the land under DPO13 is an "*exemplary mixed use development including a number of visually complementary buildings, which enhance the Maribyrnong River Valley Design Guidelines 2010*". The DPO13 includes provisions to ensure a high quality development which respects the Maribyrnong River location and contributes additional public open space.

This amendment also applies an Environment Audit Overlay to the land.

It is understood that this assessment report will be used to inform the development of the Maribyrnong Waterfront Opportunities Paper, which will be released for community engagement in mid-2019. This work may also be used to support any future structure planning processes and subsequent planning scheme amendments. This might include the addition of additional properties to the Environmental Audit Overlay as exhibited.

The Site location with the "Amendment C221" area shown is presented on **Figure F1** attached and **Plate 1** below. Individual parcel boundaries within the Site are shown on **Figure F2**. Key observations across the Site are provided on **Figure F3**. It is understood that CoM is unaware of any previous environmental investigations undertaken within the Site.

Plate 1 Site Location, refer Figure F1

1.2 Objectives

The objectives of the project were to:

- Determine the potential for past or current activities to have contaminated land in the study area and identify the potential for contamination on a site by site basis.
- Determine the contaminants of potential concern based on current and past activities and the level of contamination for identified sites.
- Consider the potential for contamination from sources outside the Structure Plan area boundary, to impact sites within the study area boundary.
- Assess the potential for contamination to pose a risk to sensitive uses of land or to groundwater protected under State Environment Protection Policies (SEPP).
- Develop relative risk ranking (e.g. low, medium and high) to sensitive land uses based on key potential contamination issues and hazards. The risk ranking and recommended level of assessment is to be in accordance with the Department of Sustainability and Environment's Potentially Contaminated Land General Practice Note (June 2005) and Ministerial Direction 1, Potentially Contaminated Land.
- Make clear recommendations as to the further assessment required, including the need for an environmental audit in accordance with section 53X of the *Environment Protection Act 1970*.
- Have consideration for the Environment Protection Amendment Act 2018, intended to take effect from 1 July 2020, including the introduction of the Preliminary Risk Screen (PRS) assessment tool.

- Identify all land within the study area for which a Certificate of Environmental Audit or Statement of Environmental Audit has been issued in accordance with Section 53X of the Environment Protection Act 1970. For sites that have already undergone an environmental audit, determine:
    - The potential for identified pollution to impact surrounding land;
    - Whether the outcome of the audit precludes a sensitive land use, or beneficial use under the existing Mixed Use Zone and Commercial 2 Zone;
    - The appropriateness of applying the Environmental Audit Overlay (EAO), having regard to the following:

      "The EAO should not be applied to land which has already been subject to an environmental audit, where a Certificate of Environmental Audit is issued or if a Statement of Environmental Audit is issued and the conditions contain minimal restrictions or the conditions have been complied with."

1.3 Scope of Work

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

1.3.1 Stage 1 – Inception Meeting

An inception meeting was held between BlueSphere and CoM on 21st January 2019.

1.3.2 Stage 2 – Preliminary Land Contamination Assessment

The assessment comprised a desktop review of available information relating to current and historical uses of the Site and a Site inspection in order to identify potential sources of soil and groundwater contamination and potentially contaminating activities. The assessment 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 desktop information for sites within the study area boundary, as well as land immediately surrounding the study area boundary, where relevant / available, including:
    - Victorian EPA Priority Sites Register;
    - Historical and current aerial photographs;
    - Melbourne Metropolitan Board of Works Plans;
    - Mahlstedt Fire Insurance Plans;
    - Publicly available Melbourne Street Directories;
    - Review of Sands and McDougall Directory;
    - EPA Ground Water Restricted Use Zones;
    - Australian Heritage Databases; and

    To investigate:

    - The broad historic use and development of the study area and immediately surrounding land, including land uses of concern over time;
    - Potential sources of cross-contamination from land immediately surrounding the study area to land within the study area;

- Any topographical changes brought about by the importation of fill, and the potential source and possibility of contamination of this fill;
- Individual site history, including historical and current land uses, and potential contaminants used on each site;
- Consultation with relevant agencies including the Environment Protection Authority (EPA).
- Identification of all land within the study area for which a Certificate of Environmental Audit or Statement of Environmental Audit has been issued in accordance with Section 53X of the *Environment Protection Act 1970*. For sites that have already undergone an environmental audit, determine:
  - The potential for identified pollution to impact surrounding land;
  - Whether the outcome of the audit precludes a sensitive land use or beneficial use under the existing Mixed Use Zone and Commercial 2 Zone. Any other information deemed appropriate to include in the desktop review.

Specific to the assessment, BlueSphere has also undertaken the following:

- 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 any previous reports or studies regarding environmental, geological or ground water conditions within the Site.
- A review of historical aerial photographs to assess historical land uses of the Site and the surrounding land.
- A review of publicly available information pertaining to the Site including but not limited to local council records, publicly available historical maps and records (where available) and local historical society information.
- A review of plans relating to current and past underground and above ground services, including sewers, storage tanks or transfer lines.

It is noted that no previous environmental reports relating to land within the Site area were available for review other than publicly available background documents.

1.3.2.2 Site Inspection

A Site inspection was undertaken on 6 February 2019 by BlueSphere 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 – Draft Report

Preparation of a draft report (i.e. this report) which outlines the findings and recommendations from Stages 1 and 2 of the scope of work and includes the following:

- An assessment of the findings of the desktop review and Site inspection;
- A relative risk ranking (e.g. low, medium and high) to sensitive land uses for all parcels within the study area, based on key potential contamination issues and hazards identified during the desktop assessment and in accordance with the Department of Sustainability and Environment's Potentially Contaminated Land General Practice Note (June 2005) and Ministerial Direction 1, Potentially Contaminated Land;
- Recommendations for further assessment required, including the need for an environmental audit in accordance with section 53X of the *Environment Protection Act 1970*;
- Where relevant, the report has identified sites (on private or public land) which contain higher or lower levels of contamination, to assist CoM with identifying site opportunities or constraints relating to land remediation on public and private land adjacent to the Maribyrnong River and within the wider study area;
- Detailed GIS based outputs of the study area and associated ranking of sites or groups of sites to aid communication of the findings.

1.3.4 Stage 4 – Final Report

Following receipt of feedback on this draft report from CoM, the draft report will be finalised.

2 Site Description and Environmental Setting

2.1 Site Details

The Site is known as Maribyrnong Waterfront Renewal Area and is defined by CoM as a number of land parcels within a 30 hectare area along or adjacent to the eastern bank of the Maribyrnong River, bounded by Dynon Road to the south and railway lines to the east and north.

The Site location and layout are presented on **Figure F1** and **F2**. Specific parcel identifiers for the Site are presented on **Figure F3** and **Plate 2** below.

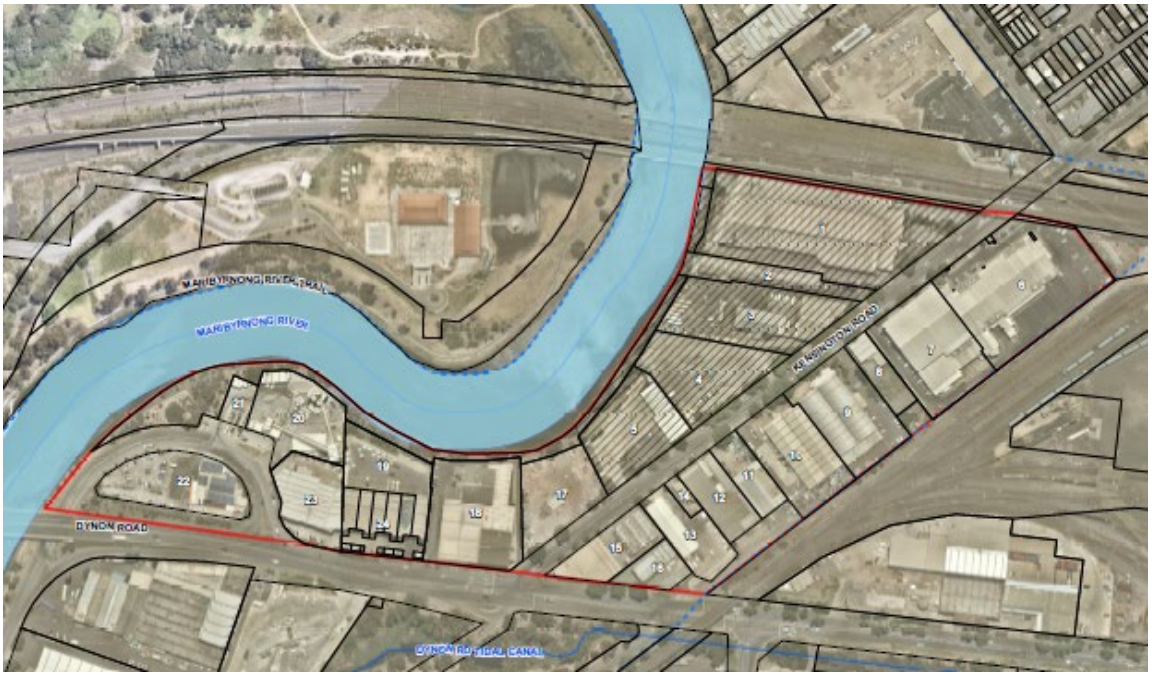

Plate 2 Parcels within the Site, refer Figure F2

Additional Site-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	City of Melbourne
Current Zoning and Planning Overlays	Mixed Use Zone (MUZ) – Amendment C221 Commercial 2 Zone (C2Z) Development Plan Overlay (DPO13) – Amendment C221 Environmental Audit Overlay (EAO) – Amendment C221 Public Acquisition Overlay 1
Certificates and Statement of Environmental Audit	None within the Site area, see **Section 3.5**

2.2 Current Land Uses

Current land uses of the Site are based on a site visit completed by BlueSphere on 6 February 2018, notes from which are provided in **Appendix B** . Key photographs taken during the site visit are presented in **Appendix C**. Key summary information from those notes is provided below.

Table 2 Current Land Use Summary

Land Use Type	Specific Parcel[1] Description	Comments
Commercial / Industrial – Food Industries	Parcels 1, 24	Scalzo, B&M Meat Wholesale
Commercial / Industrial – Seafood	Parcels 6, 7, 13, 22 and 24	Aquastar, Tasmanian Pacific Oyster, unknown, Fish Pier
Commercial / Industrial – garbage bags, net manufacturers	Parcel 2	Garbage Bags, Gaylon Agencies - Extruded Net Manufacturers
Commercial / Industrial – self storage	Parcel 3	Kensington Road Self Storage
Commercial / Industrial – vehicle depot	Parcel 4	Metcalf Cranes
Commercial / Industrial – council depot	Parcel 5	City West Water - West Melbourne Depot
Commercial / Industrial – Vacant - unknown	Parcel 8	CMI (potential former business from sign)
Commercial / Industrial - Leather	Parcel 9	Leffler – Leather Merchants, Wow structures
Commercial / Industrial – plant and machinery valuers and auctioneers	Parcel 10	Dominion Group - Plant and Machinery Valuers and Auctioneers
Commercial / Industrial - Campervan rental with mechanics workshop	Parcel 11	Campervan village
Commercial / Industrial - mechanics, workshop	Parcel 12, 24	Wheelmax, Chasers Motorworks
Commercial / industrial - beauty products manufacture	Parcel 12	Bio Care Australia
Commercial / industrial - chemical products manufacture (for building)	Parcel 15	Mapei
Commercial – restaurant / cafe	Parcel 12, 14	Dumpling Station, Will & Co cafe
Commercial / industrial –	Parcel 16	Specialist Cleaning Eco Vehicles (SCEV)

Table 2 Current Land Use Summary

Land Use Type	Specific Parcel[1] Description	Comments
vehicle cleaning		
Commercial / industrial – brick yard	Parcel 17	Paddy's Bricks
Commercial / industrial – building supplies	Parcel 18	DBC Building Supplies
Commercial / industrial – concrete plant	Parcels 19, 20 and 21	Holcim
Commercial / industrial – industrial laboratory	Parcel 23	ALS – Industrial Division

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 F3** .

2.3 Surrounding Land Uses

The land uses surrounding the Site include the following:

- West – public walkway and the Maribyrnong River;
- South – (across Dynon Road) commercial / industrial properties (including the Kensington Waste and Recycling Centre) and a wildlife reserve, including the Dynon Road Tidal Canal;
- East – rail lines immediately adjacent associated with the Dynon rail yards with commercial / industrial uses such as freights further to the east and
- North – rail lines immediately adjacent followed by commercial / industrial uses including site offices for current nearby construction projects and food manufacturing.

A detailed summary of surrounding land uses and features is provided in **Appendix A** (page 75).

2.4 Topography

The topography of the Maribyrnong Waterfront Renewal Area and its surrounding 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** (page 8).

On a local scale, within the perimeter of 1000 m, parcels on the north eastern and western sides of the search area appeared to have higher elevation (29 and 24 m AHD respectively) than those in the northern and southern sides (1 m AHD). The eastern portion of the Site has steeper slope than the western portion and it is slightly more elevated (highest elevation is 29 m AHD) relative to the western portion (highest elevation is 24 m AHD). The land surface gradually falls both to the northern and southern sides from the eastern and western portions of the area.

The actual Site has an elevation of approximately 3 - 7 m AHD and slopes gradually towards southern portion.

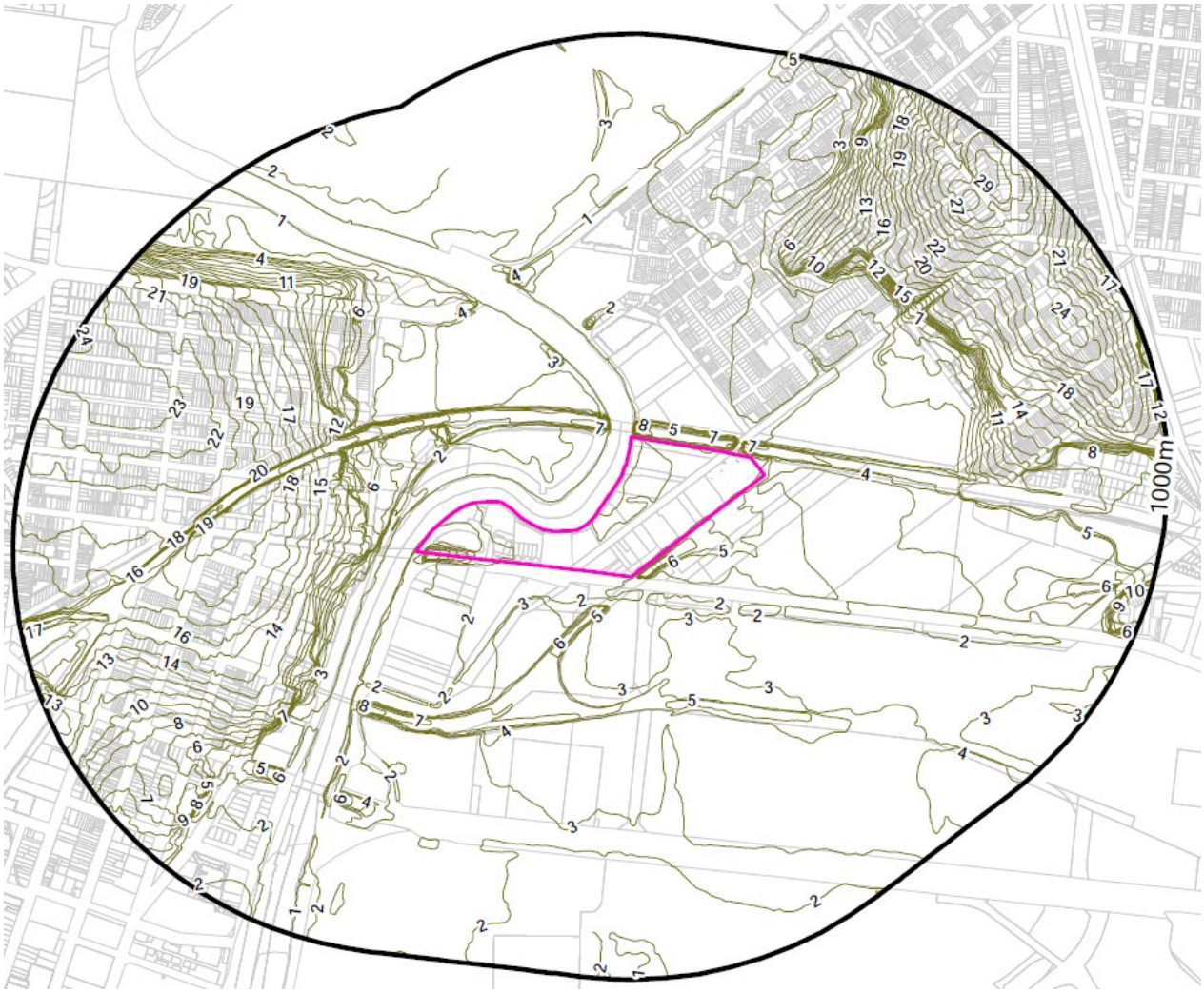

Plate 3 Topographic Map, refer to Appendix A (Lotsearch, 2019)

2.5 Surface Water and Drainage

The closest natural surface water body is Maribyrnong River, which abuts the western edge of the study area. The Maribyrnong River starts from near Mount Macedon and discharges the Port Phillip Bay approximately 5 km south of the Site.

Surface water would be expected to follow the topographic elevation at the Site and would flow to the areas of lower elevation.

2.6 Climate

A review of Bureau of Meteorology (BoM) 'Climate Data Online' website on 29 January 2019 indicated the closest open weather station with rainfall statistics to the Site is Essendon Airport (7.2 km away; Station number 086038). Based on the 70 years of rainfall data (since 1929) average yearly rainfall in the area is 585.6 mm. The highest rainfall is expected to occur in the months of April and December. Based on 30 years (1981-2010) statistics, November and January received the highest (61.6 mm) and lowest (31.8 mm) rainfall respectively.

2.7 Geology

Based on a review of the available literature, the surface geology in the local area can be summarised as follows:

- Holocene Coode Island Silt, comprising black silt and clay, lagoon deposits and abundant marine fossils including bivalves, gastropods, barnacles and foraminifera.
- Miocene to Holocene Newer Volcanic Group – basalt flows comprising olivine, quartz, minor scoria and ash, fluvial sediments, sheet and valley flows, and intercalated gravel, sand and clay
- Tullamarine basalt comprising of lava flows and alkali olivine basalt.
- Waste deposits: Clayey silt containing organic and non-organic material and land fill of different kinds
- Swamp and lake deposits comprising grey to black carbonaceous mud, silt, clay, minor peat and rare dolomite

Locally (i.e. within the study area), the Site's surface geology is likely to comprise Coode Island Silt. Based on the history of the area, it is also likely that anthropogenic fill of variable thickness would be present at the surface across of the majority of the study area. Basement rock would be expected to comprise Lower Palaeozoic basement rocks and Mesozoic rocks in the subsurface.

The Atlas of Australian Soils (Lotsearch, 2019, page 124) describes the soil of the Site and surrounding area as "B5 (Rudosol)": Coastal plains with dunes, swamps and lakes: plains and dunes of siliceous sands and silty soils and plains of clay soils; some terrace remnants where the plains merge with the stream valleys of dark, deep, porous loamy soils on the lower terraces, and hard alkaline soils on the higher terraces.

A very small south western part of the surrounding area is classified as ''CC12 – Vertosol''. Gently undulating, dissected tablelands at low elevations: the flatter tableland area, the gilgai plains, have cracking grey clays in association with a variety of other soils including hard alkaline mottled soils, hard alkaline yellow mottled soils and possibly coarse cracking clays. Hard alkaline brown mottled soils may be found in areas with better drained situations; cracking dark clays occur among the sinuous flows of basalt boulders which are very similar to stony rises. Ironstone gravels may occur in surface horizons of soil.

The likelihood of the occurrence of acid sulfate soil is nil to very low at the Site and the buffer area respectively (Lotsearch, 2019; page 128).

2.8 Hydrogeology, Groundwater Quality and Beneficial Use

The Site is located within the Maribyrnong River catchment 1,430 km^2) which is situated to the north west of the Melbourne CBD and largely bounded by two major highways; the Hume Highway and the Calder Freeway. The aquifer at the Site and surrounding area is described as fractured or fissured, extensive aquifer with low to moderate productivity.

Many groundwater observation bores are drilled within this area (**Section 2.9**). Groundwater is quite shallow and depth to the water table is <5 m (Lotsearch, 2019; page 81). North eastern and western part of the Site and buffer area have higher groundwater levels (approximately 6 – 26 m bgl); groundwater depth is the deepest (26 m bgl) at the north eastern side

95% of the groundwater bores have salinity between 7000 - 13,000 mg/L and 5% groundwater have salinity between 13,000 – 35, 000 mg/L; Lotsearch, 2019) which classifies the groundwater as Segment E (7,101 – 10, 000 mg/L) and Segment F (>10,001 mg/L) in accordance with State Environmental Protection Policies (Waters) (herein referred to as SEPP (Waters)) which came into effect in October 2018. As a conservative approach Segment E has been adopted. Beneficial uses and segments as defined in the Water SEPP are presented in plate 4 below.

TABLE 2: BENEFICIAL USES FOR GROUNDWATER

BENEFICIAL USE	SEGMENT (TDS mg/L)						
	A1 (0-600)	A2 (601-1,200)	B (1,201-3,100)	C (3,101-5,400)	D (5,401-7,100)	E (7,101-10,000)	F (>10,001)
Water dependent ecosystems and species	✓	✓	✓	✓	✓	✓	✓
Potable water supply (desirable)	✓						
Potable water supply (acceptable)		✓					
Potable mineral water supply	✓	✓	✓	✓			
Agriculture and irrigation (irrigation)	✓	✓	✓				
Agriculture and irrigation (stock watering)	✓	✓	✓	✓	✓	✓	
Industrial and commercial	✓	✓	✓	✓	✓		
Water-based recreation (primary contact recreation)	✓	✓	✓	✓	✓	✓	✓
Traditional Owner cultural values	✓	✓	✓	✓	✓	✓	✓
Cultural and spiritual values	✓	✓	✓	✓	✓	✓	✓
Buildings and structures	✓	✓	✓	✓	✓	✓	✓
Geothermal properties	✓	✓	✓	✓	✓	✓	✓

Plate 4 Beneficial Use and Segment Summary (Water SEPP, 2018)

The following beneficial uses require protection for Segment E groundwater:

- Water dependent ecosystems and species. The ecosystems beneficial use applies at the point of inferred groundwater discharge (e.g. the Maribyrnong River).
- Agriculture and irrigation (stock watering);
- Water based recreation (primary contact recreation); Traditional owner cultural values;
- Cultural and spiritual values;
- Buildings and Structures; and
- Geothermal properties.

2.9 Groundwater Bore Search

.A total of 493 registered bores were located within a 2 km radius of the Site, with a variety of uses registered including domestic, stock, irrigation, observation, investigation, environment and unknown use. The closest to the Site are investigation and observation bores. Bore depths are variable and range from 3.5 – 79 m.

.It is noted that two groundwater monitoring bores were observed at parcels 2 and 3 (on the eastern side of Kensington Road) during the Site inspection, however they do not appear on the public database.

3 Precinct History

Historical information was obtained for the Site to meet the project objectives of determining potentially contaminating activities that may have previously occurred. Most of this information was obtained for BlueSphere by Lotsearch Pty Ltd (Lotsearch). The Lotsearch (2019) 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 (2019) information has been summarised in this section.

3.1 Aerial Photographs

A total of 13 historical aerial photographs from 1931 to 2017 from Lotsearch (2019) were reviewed. A summary of the Site and surrounding land use changes over the period is provided in **Table 3** below. The aerial photographs are included as pages 54 - 66 of the Lotsearch report (**Appendix A**).

Table 3 Historical Aerial Photograph Summary

Year	Site	Surrounding Land
1931	Various structures present immediately adjacent to the east of the Maribyrnong River with the exception of the western most end of the Site which appears vacant. Structures appear to be related to industrial activities. The “Bone Mills” (as noted on the 1879 drawing – see **Section 3.2**) appears present in the western portion of the Site on the banks of The Maribyrnong River. Structures also present on either side of Kensington Road. The area of land in the vicinity of parcels 8 and 9 appear vacant.	Land across Maribyrnong River to the west and across the rail lines to the east of the Site appears to be vacant. Industrial structures appear to be present across the rail lines to the north and across Dynon Road to the south. The Dynon Tidal Canal is present to the south of the Site across Dynon Road. An oval appears to be present approximately 350 m to the south of the Site.
1945	The various industrial structures appear unchanged with the exception of the north eastern corner of the Site, to the eastern side of Kensington Road (parcels 6 and 7), where structures are no longer present or have changed. The “Bone Mills” appear present.	Surrounding land use appears unchanged, with the exception of the presence of additional structures across the rail lines to the north and earthworks activities and possible additional structures present to the south across Dynon Road and to the south of the Dynon Tidal Canal.
1951	The Site area appears unchanged with the exception of an additional building/structure present to the east of Kensington Road (parcel 8).	Surrounding land uses appear unchanged.
1962	Additional structures and/or changes to configuration of structures appear present	Further in-fill of buildings/ structures most likely related to industrial activities appear present to the

Table 3 Historical Aerial Photograph Summary

Year	Site	Surrounding Land
	across the Site, including parcels 6 to 9 and 11 to 14 (along the eastern side of Kensington Road). Parcel 10 appears vacant. At track / road in the west appears visible with a building now present in the approximate area of parcel 22.	north across the rail lines and to the south across Dynon Road. The oval to the south of the Site is no longer present and the area has been developed for likely industrial activities. The name of the business "Stephens" is present on the roofs of buildings.
1966	Generally, the Site appears unchanged. Many commercial/ industrial type structures remain. Parcel 10 (to the east of Kensington Road) appears vacant with a track visible.	The surrounding area generally remains unchanged. The area to the east of the rail lines appears to be further developed with additional structures possible related to freight/ rail activities.
1975	Additional structures and / or changes to configuration are present to the east of Kensington Road (parcels 6 and 7). A building appears present at parcel 10. Changes in structures appear to have occurred in parcels 3 and 4 and parcel 17, in the centre of the Site, now appears to have no structure present. Sims Street is now visible in the western area of the Site with the building still present within parcel 22.	The surrounding area generally remains unchanged, with some changes apparent to the structures in the area to the south east across Dynon Road.
1979	Generally, the Site remains unchanged. Parcel 17 in the centre of the Site, appears to have many vehicles present (possible vehicle storage/ parking).	The surrounding area generally remains unchanged.
1985	Parcels 4 and 17, on the western side of Kensington Road, appear to have no structures present any more. The western end of the Site appears to be undergoing development on the north and south side of Sims Street (parcels 20 to 22).	The surrounding area generally remains unchanged. The area on the western side of the Maribyrnong River appears have undergone further development with further buildings and vehicles present.
1989	Generally, the Site remains unchanged. The western end of the Site appears to be undergoing some development changes. A building is noted to be present on the eastern side of Kensington road on Parcel 14 (formerly vacant up until now). The southern portion of Parcel 17 appears to now be sealed.	The surrounding area generally remains unchanged. A wetland/ water body is now present on the western bank of the Maribyrnong river approximately 350 m to the north / north west of the Site (now known as Newell's Paddock Wetlands Reserve). Across to the east of this water body on the eastern side of the Maribyrnong River several buildings / structures have been removed.
1990	Generally, the Site remains unchanged.	The surrounding area generally remains unchanged.

Table 3 Historical Aerial Photograph Summary

Year	Site	Surrounding Land
2001	Several structures have changed configuration across the Site, including parcels 1, 3, 5 along the western side of Kensington Road and a new structure on parcel 10 on the eastern side of Kensington Road. There are no longer any structures present on parcel 5. New structures / development has also occurred along the parcels on Dynon Road (parcels 18 and 24).	Additional water bodies are now present north west of the Site on the western side of Maribyrnong River. Significant development including residential in-fill, open space has occurred to the north of the Site across the rail line.
2009	Further development has occurred at the western end of the Site (parcels 20 to 22 and 25).	Development appears to be occurring to the north of the Site across and on the banks of the Maribyrnong River (of the "Heavenly Queen Temple" in the area now known as Maribyrnong River Reserve). Further development has occurred to the north of the Site across the rail line, including Riverside Park. Some structures are no longer present at the property located immediately north of the rail line on Hobsons Road.
2017	New structures appear to be present at parcels 5, 6 and 7. Generally, the Site remains unchanged.	The surrounding area generally remains unchanged. The construction of the temple to the north across Maribyrnong River has been completed.

3.2 Historical Plans / Drawings / Maps

CoM provided a number of historical maps / drawings in addition to those able to be obtained from publically available sources. These drawings included historical maps for early planning purposes and from the Melbourne Harbour Trust as well as MMBW plans.

A number of these drawings show the presence of several buildings / structures at the banks of the Maribyrnong River in the area of the Site. "Apollo Candle Works", "Abattoir", "Scot's Bone Mills" and "Fellmongery" appear to be present within the Site area. A copy of selected drawings is included in **Appendix E**. A section of the Melbourne Harbour Trust drawing (1879) showing the Site area is presented in **Plate 5** below.

Plate 5 Site area in 1879 (Section of Melbourne Harbour Trust 1879 drawing), refer to Appendix E

3.3 Approximate Development Timeline of the Site

Based on the historical plans and aerial photographs discussed in the sections above, an approximate timeline for the development of the Site, in relation to individual land parcels, is summarised in **Table 4**.

Table 4 Summary Timeline of Site Development

Year[1]	Evidence of Development	Vacant Land
1873	None	All land parcels
1879	Parcels 1, 2, 3, 4 (Apollo Candle Works) Parcel 20 (Bone Mills) Parcels 5, 17, 18, 19	All other parcels
1895	Parcel 20 (Abattoirs) Parcels 18, 19, 24 (Abattoirs and slaughter sheds) Parcel 5 (Fellmongery) Parcel 15 (Apollo Hotel)	All other parcels
1902	Parcels 1, 2, 3, 4 (Soap & Candle Works) Parcel 5 (Fellmongery) Parcel 6 (Bone Mills, Desiccating Works) Parcels 13, 16 (Varnish works, paint shop)	All other parcels
1931 to 1945	All other parcels	Parcels 8, 9, 12, 13, 14, 22
1951	All other parcels	Parcels 9, 22

Table 4 Summary Timeline of Site Development

Year[1]	Evidence of Development	Vacant Land
1962	All other parcels with some changes to structures evident at 6 to 9 and 11 to 14	Parcel 10 (vacant with a track visible)
1975 to present	All parcels	-

Notes: 1.Based on historical plan or photographs.

3.4 Historical Business Directory Records

Historical business directory records have been included in the Lotsearch (2019) report from UBD Business to Business directories dated 1950, 1960-1962, 1965, 1974, 1977, 1980, 1984 and 1991 (refer to pages 22- 53 and 67 - 74 of the Lotsearch report, **Appendix A**). The business activities for each land parcel has been summarised in **Appendix B** with the map reference numbers shown on **Figure F3** (where a street address was available**)**. These records indicate several commercial and industrial businesses have been present at the Site. The potentially contaminating activities (PCAs) identified in these records are discussed in more detail in **Section 4** .

It is noted that there are a number of businesses and activities listed within the Lotsearch (2019) report from UBD directories which are unable to be matched to a current address (i.e. a building number was not supplied, cannot be found or the road has been renumbered since the directory was published). These businesses generally appear to correspond to the western area of the Site (Sims Street and Dynon Road). These were therefore not included in the table in **Appendix B**, however have been considered in this review.

3.5 Review of completed Certificates and Statements of Environmental Audit

A review of EPA records of the completed environmental audits within 1 km of the Site identified 16 completed audits as indicated in the Lotsearch (2019) report. The locations are included on a plan in the Lotsearch (2019) report in **Appendix A** (page 12).

None of these audits are located within the Site itself. The closest audit site is located approximately 90 m to the west of the Site (across Maribyrnong River) and is noted to have an EPA Groundwater Quality Restricted Use Zone (GQRUZ). The groundwater restricted uses apply to drinking water, livestock water supply, irrigation of crops (including domestic gardens) and parks and water used for recreational purposes (e.g. swimming).

The remaining 15 audit sites are located between 130 to 1000 m from the Site and seven of these have a GQRUZ.

3.6 Review of EPA Victoria Priority Sites Register

A search of the EPA Victoria Priority Sites Register (PSR) (Lotsearch, 2019; page 9) identified one current and 13 former sites on the PSR with a pollution abatement notice or other notices from the EPA within 1 km of the Site.

The current priority site (90007064) is located approximately 200 m north of the boundary of the Site and the issue is "*Contaminated soil is retained and managed onsite. Requires assessment and/or clean up*".

3.7 EPA Licensed Activities

A review of EPA records did not identify any former or current EPA licensed activities or works approvals within the Site. One current EPA works approval exists at a site located approximately

330 m to the south of the Site for the East West Link Tunnels (tunnel ventilation systems) and one former EPA licensed activity exists approximately 930 m to the south of the Site for sewage treatment. This information is detailed in the Lotsearch 2019 report in **Appendix A** (page 16).

3.8 Waste Management Facilities

A review of Waste Management Facilities database (Lotsearch, 2019) indicates the presence of a former and current waste management facility within the Site area and within 1 km radius of the Site. This information is presented in **Appendix A**.

It is noted that there is a Construction and Demolition Reprocessing facility (Paddy's Bricks, parcel 17) present within the Site and there are three EPA prescribed industrial waste permitted transporters registered within the Site area.

CoM's operational Kensington Waste and Recycling Centre is located approximately 100 m south of the Site.

3.9 Review of Underground Services

BlueSphere completed a search of Dial Before You Dig (DBYD) for the study area and these plans are included in **Appendix D**. A summary of the services expected is included in **Table 5** below.

Table 5 Summary of Service Plans

Service	Comment
Drainage (City of Melbourne)	Drainage pipelines are shown to run across to the Maribyrnong River from Sims Street and from Kensington Road.
Gas	Aus Net Gas Services pipelines are shown on the DBYD plans in various locations at the Site.
Communications	Several communications services are present at the Site including NBN, Telstra, Nextgen and Optus.
Power	Underground power services are present at the Site at a number of locations as shown on the DBYD plans.
Water and Sewer	City West Water and Melbourne Water's water and sewer plans indicate several underground services in the Site.

4 Summary of Potential Sources of Contamination

Based on review of historical information pertaining to the Site and the recent site inspection, potential sources of contamination have been identified. A summary for the Site based on historical and current activities 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.

Table 6 Potential Sources of Contamination

Activity/ Source	Contaminants of Potential Concern
Historical Activities	
Imported Fill	Range: metals, PAHs, asbestos, hydrocarbons
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
Bone Mills, Abattoirs	Nutrients, solvents, oils, greases, fats, BOD
Ship builders and/or repairers	Hydrocarbons, metals, solvents
Electrical and electronic repairs, electric motor winding	Metals, solvents, polychlorinated biphenyls
Wool scourers	Detergents, phosphates, oils, greases
Brick yards/ manufacturers	Metals, hydrocarbons
Fibre board / plaster manufacturers/distributors	Metals, solvents
Scrap metal merchants / steel merchants / tungsten carbide manufacturers	Metals, benzene, toluene, ethylbenzene, xylenes, phenolics, polycyclic aromatic hydrocarbons
Boot and shoe manufacturers	Solvents, dyes
Metal products manufacturers	Metals, benzene, toluene, ethylbenzene, xylenes, phenolics,
Soap, candle & glycerine manufacturers	Phosphates, ammonia, alcohols, esters, sodium hydroxide, surfactants, silicate compounds
Terazzo workers	Metals, resins
Vehicle wash bays	Hydrocarbons, metals
Waste water pits	Metals, hydrocarbons
Potential former agricultural land use	Pesticides, herbicides, fertilisers, nitrates
Waste storage	Range (metals, solvents, hydrocarbons)
Sewer	Metals, pathogens, solvents

Table 6 Potential Sources of Contamination

Activity/ Source	Contaminants of Potential Concern
Former buildings, sheds and other industrial infrastructure now demolished	Asbestos
Current Activities	
Imported Fill	Range: metals, PAHs, asbestos, hydrocarbons
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
Brick yards/ manufacturers	Metals, hydrocarbons
Concrete plant	Hydrocarbons, metals, silicates, resins, polymers, acids
Packaging materials manufacturers/ plastic bag manufacturers/ distributors	Range: metals, hydrocarbons, solvents, sulphates, styrene
Council depot (City West Water)	Range: metals, PAHs, hydrocarbons
Vehicle depot (Metcalf Cranes)	Hydrocarbons, metals
Seafood industries	Fats, oils, grease, BOD
Leather merchants	solvents, dyes,
Beauty products manufacture	Metals, oils, solvents, phthalates, alcohols, formaldehyde
Campervan rental / storage	Hydrocarbons, metals
Plant & machinery auctioneers	Hydrocarbons, metals
Vehicle wash bays	Hydrocarbons, metals
Chemical products for building (paints, adhesives, sealants)	Metals, solvents, hydrocarbons, phenols, formaldehyde
Industrial laboratories	Range, acids, metals, solvents
Waste water pits	Metals, hydrocarbons
Asbestos (in buildings)	Asbestos
Waste storage	Range (metals, solvents, hydrocarbons)
Sewer	Metals, pathogens, solvents

5 Risk Ranking

A risk ranking of all land parcels within the Site for the potential occurrence of land contamination has been undertaken in accordance with the Department of Environment, Land, Water and Planning's 'Potentially Contaminated Land General Practice Note (June 2005) and Ministerial Direction 1, Potentially Contaminated Land. The relative risk ranking for each parcel of land (e.g. low, medium and high) is included in **Appendix B** and presented on **Figure F3** . In accordance with these documents the risk ranking is based on current or previous land uses.

All parcels of land have been ranked as either medium or high. The exception is land parcel 14 which, based on its current use as a café, would be considered as having a low potential for contamination. However, the information available for previous land uses at parcel 14 is limited. Based on the historical aerial photographs, the parcel was vacant until approximately 1985 when the building was constructed. Parcels 12 and 13 are located immediately adjacent on either side of parcel 14 and have been ranked as having a high and medium potential for contamination based on previous and current land uses. Based on this close proximity to surrounding high and medium ranked parcels and given the uncertainty in the history of this particular parcel, a conservative approach has been adopted for the overall risk ranking for this parcel 14 has been ranked as having a medium potential for contamination.

The risk ranking for each of the land parcels is shown in **Plate** 6 below. The parcels shaded in red have been ranked as having high potential for contamination and the parcels shaded in orange have been ranked as having medium potential for contamination.

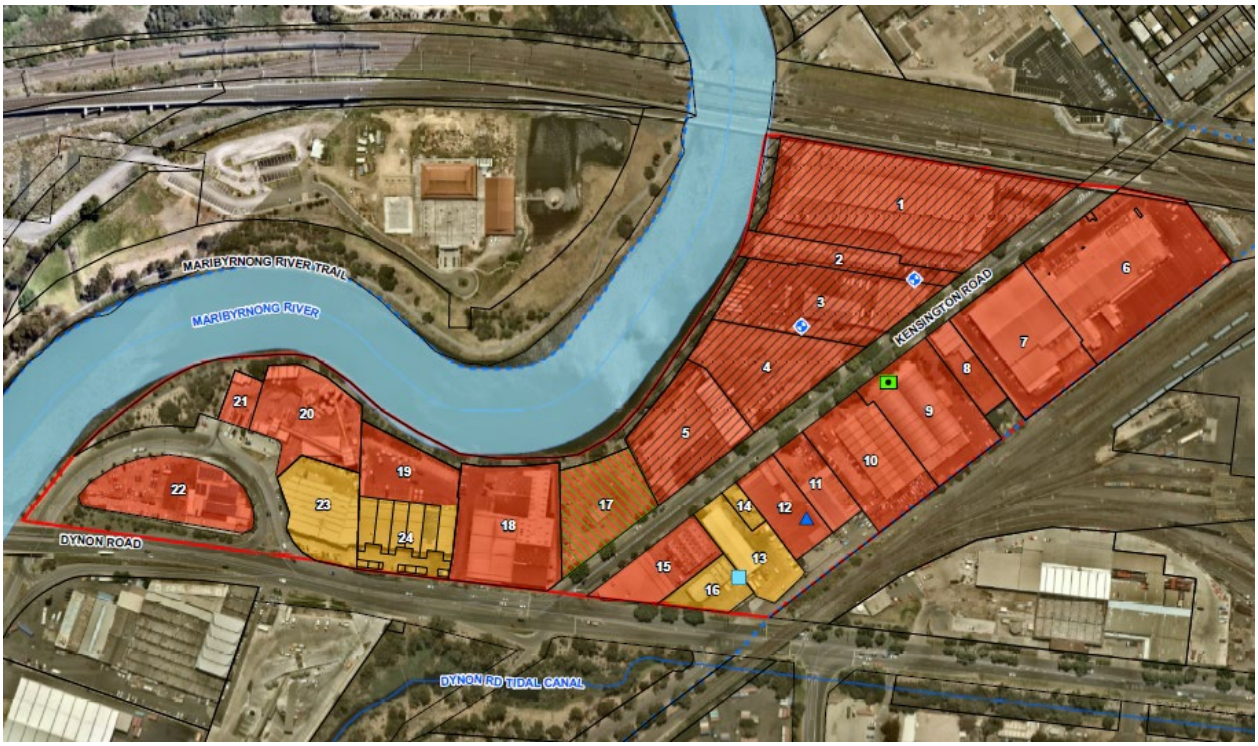

Plate 6 Relative Risk Ranking for Land Parcels, refer Figure F3

A copy of the assessment matrix provided in the General Practice Note (June 2005) is presented below. This indicates the appropriate assessment level required for each parcel of land based on proposed land use and current or historic land uses or activities carried out on the land.

Table 2 – Assessment matrix

PROPOSED LAND-USE	POTENTIAL FOR CONTAMINATION (as indicated in Table 1)		
	High	*Medium*	*Low*
Sensitive Uses			
Child care centre, pre-school or primary school	*A*	*B*	*C*
Dwellings, residential buildings etc.	*A*	*B*	*C*
Other Uses			
Open space	*B*	*C*	*C*
Agriculture	*B*	*C*	*C*
Retail or office	*B*	*C*	*C*
Industry or warehouse	*B*	*C*	*C*

A: *Require an environmental audit as required by Ministerial Direction No. 1 or the Environmental Audit Overlay when a planning scheme amendment or planning permit application would allow a sensitive use to establish on potentially contaminated land.*

An environmental audit is also strongly recommended by the SEPP where a planning permit application would allow a sensitive use to be established on land with 'high potential' for contamination.

B: *Require a site assessment from a suitably qualified environmental professional if insufficient information is available to determine if an audit is appropriate. If advised that an audit is not required, default to C.*

C: *General duty under Section 12(2)(b) and Section 60(1)(a)(iii) of the Planning and Environment Act 1987.*

6 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. CoM has requested an opinion as to whether an EAO should be applied to the Site, noting that the area covered by Amendment C221 has an EAO applied to it. 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 (DELWP, 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 Site, 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 and medium potential for contamination;
- 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;
- Following the risk ranking process described in **Section 5,** 19 out of 24 land parcels have been ranked as having a high potential for contamination;
- A review of historical records indicates that industrial activities have occurred within the Site area since at least 1879 (as shown on the drawing included in **Appendix E** ; and
- An EAO exists for the Amendment C221 area.

On this basis, the application of an EAO appears warranted for all land parcels within the Site. Given that an EAO does not trigger an audit requirement for redevelopment of a site for non-sensitive uses, it is also recommended that the assessment matrix is applied to determine the level of environmental assessment requirements for future permits for the parcels in this Site. Such assessments should be completed by a suitably qualified practitioner in contaminated land assessment.

7 Conclusions and Recommendations

7.1 Conclusions

BlueSphere was engaged by the CoM to undertake a Preliminary Land Contamination Assessment for the Maribyrnong Waterfront study area. The Site comprises numerous land parcels with an approximate area of 30 hectares along or adjacent to the eastern bank of the Maribyrnong River, bounded by Dynon Road to the south and railway lines to the east and north. The majority of the Site is currently used for industrial and commercial uses.

The primary purpose of this study is to inform the development of the Maribyrnong Waterfront Opportunities Paper, which will be released for community engagement in mid-2019. This work may also be used to support any future structure planning processes and subsequent planning scheme amendments, including additional properties to the Environmental Audit Overlay (currently applied to Amendment C221 only).

A broad range of potentially contaminating activities (past and present) were identified to have occurred at the Site, including vehicle maintenance and storage, vehicle repairs and cleaning, steel merchants, metal products manufacturers, wool scourers, brick manufacturers, waste product merchants, fibre board manufacturers, soap and candle manufacturers, electrical appliance and electronic equipment repair and a concrete plant. Potential contaminants of concern that may be present include petroleum hydrocarbons, metals/metalloids, solvents, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, phenols, acids, asbestos, ammonia and formaldehyde.

Based on the risk ranking assessment undertaken, it is considered that 19 out of 24 land parcels within the Site would have a high potential for contamination. 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 (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 Site is not currently well understood. It is understood that CoM is unaware of any previous environmental investigations undertaken within the Site.

This Preliminary Land Contamination Assessment is considered an appropriate mechanism to assess whether an Environmental Audit Overlay (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).

7.2 Recommendations

In consideration of all available data collected in this study (notably the Site history information and the completed site visit), it is recommended that an EAO be applied for all land parcels within the Site.

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 development completion.

Any future environmental investigations conducted on land parcels within the Site 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.

This report should be read in conjunction with the Limitations included in **Section 9**.

8 References

Department of Sustainability and Environment (now known as Department of Environment, Land, Water and Planning) (2005) *Potentially Contaminated Land General Practice Note,* June 2005

Lotsearch (2019) LotSearch Enviro Professional Report, Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Ministerial Direction No. 1 – Potentially Contaminated Land 1989

National Environment Protection Council 1999, National Environmental Protection (Assessment of Site Contamination) Measure 1999, National Environment Protection Council as amended 15 May 2013, Comlaw No. F2013C00288A.

Perri Projects and Qanstruct (2016), WMW, West Melbourne Waterfront Draft Development Plan

Perri Projects and Qanstruct, West Melbourne Waterfront Precinct

Standards Australia AS/NZ, Australian/New Zealand Standard 2005, AS4482.1:2005 Guide to the Sampling and Investigation of Potentially Contaminated Soil – Non-Volatile and Semi-Volatile Compounds.

State Environment Protection Policy (Prevention and Management of Contamination of Land), 2002;

State Environment Protection Policy (Waters) - 2018

9 Limitations

This report was prepared for the sole use of the City of Melbourne 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 this report by any third party.

The report has been prepared with the objectives and scope of work outlined in the proposal dated 10 January 2019. The work was carried out in accordance with City of Melbourne's amended contract terms.

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

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

Figures

PROJECT ID 30716.01
DATE 18/01/2019
CREATED BY AF

BlueSphere ENVIRONMENTAL

Legend

- Maribyrnong Waterfront Renewal Area (API8_21)
- Amendment C221 (DPO13)
- Maribyrnong River Design Guidelines Study Area
- Surrounding Context
- Watercourse
- Roads

N

0 50 100 150 200 250
Metres

1:8,000 when printed at A3
GDA 1994 MGA Zone 55

Imagery: Nearmap 11/01/2019

SITE LOCATION AND LAYOUT PLAN

Maribyrnong Waterfront Preliminary Contamination Assessment

Maribyrnong Waterfront
City of Melbourne

Figure F1

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

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PROJECT ID 30716.01
DATE 25/02/2019
CREATED BY AF

BlueSphere ENVIRONMENTAL

Legend

- Maribyrnong Waterfront Renewal Area (API8_21)
- Amendment C221 (DPO13)
- Maribyrnong River Design Guidelines Study Area
- Surrounding Context
- Watercourse
- Roads

1 BSE Parcel Reference

MARIBYRNONG RIVER TRAIL
MARIBYRNONG RIVER
KENSINGTON ROAD
DYNON ROAD
DYNON RD TIDAL CANAL

N

0 10 20 30 40 50
Metres

1:3,000 when printed at A3
GDA 1994 MGA Zone 55
Imagery: Nearmap 11/01/2019

SITE LAYOUT PLAN

Maribyrnong Waterfront Preliminary Contamination Assessment

Maribyrnong Waterfront
City of Melbourne

Figure
F2

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PROJECT ID 30716.01
DATE 25/02/2019
CREATED BY AF

BlueSphere ENVIRONMENTAL

Legend

- Maribyrnong Waterfront Renewal Area (API8_21)
- Amendment C221 (DPO13)
- Maribyrnong River Design Guidelines Study Area
- Surrounding Context
- Paddy's Bricks (Construction & Demolition Reprocessing)
- Groundwater Well
- Diesel Generator
- Potential Underground Storage Tank Vent Pipes
- Wash Bay

Potential for Contamination
(Refer to Appendix B)

- Medium
- High

1 BSE Parcel Reference

N

0 10 20 30 40 50
Metres

1:3,000 when printed at A3
GDA 1994 MGA Zone 55
Imagery: Nearmap 11/01/2019

SITE FEATURES PLAN

Maribyrnong Waterfront Preliminary Contamination Assessment

Maribyrnong Waterfront
City of Melbourne

Figure
F3

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Appendix A

Lotsearch Enviro Professional Report

LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Address: Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Date: 22 Jan 2019 12:53:58

Reference: LS004955 EP

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 confidence is given under the field heading “LocConf” or “Location Confidence”.

Location Confidence	Description
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced with the confidence of the general/approximate area
Road Match	Georeferenced to the road or rail
Road Intersection	Georeferenced to the road intersection
Buffered Point	Feature is a buffered point
Network of Features	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	07/01/2019	07/01/2019	Quarterly	-	-	-	-
Current Priority Sites	Environment Protection Authority (Vic)	16/01/2019	30/11/2018	Monthly	1000	0	0	1
Former Priority Sites & other Pollution Notices	Environment Protection Authority (Vic)	21/01/2019	12/12/2018	Monthly	1000	0	7	13
EPA Environmental Audit Reports	Environment Protection Authority (Vic)	16/01/2019	16/01/2019	Monthly	1000	0	1	16
Groundwater Zones with Restricted Uses	Environment Protection Authority (Vic)	16/01/2019	16/01/2019	Monthly	1000	0	1	8
Licensed Activities	Environment Protection Authority (Vic)	16/01/2019	16/01/2019	Monthly	1000	0	0	0
Former Licensed Activities	Environment Protection Authority (Vic)	16/01/2019	16/01/2019	Monthly	1000	0	0	1
Works Approvals	Environment Protection Authority (Vic)	16/01/2019	16/01/2019	Monthly	1000	0	0	1
National Waste Management Facilities Database	Geoscience Australia	06/11/2018	07/03/2017	Quarterly	1000	0	0	1
Statewide Waste and Resource Recovery Infrastructure Plan Facilities	State Government Victoria - Department of Sustainability	27/11/2014	31/12/2012	None planned	1000	1	2	4
EPA Prescribed Industrial Waste	Environment Protection Authority (Vic)	23/10/2018	23/10/2018	Quarterly	1000	3	4	7
EPA Victorian Landfill Register	Environment Protection Authority (Vic)	04/12/2018	04/12/2018	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	2
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	23	31	34
UBD Business to Business Directory 1991 (Road & Area Matches)	Hardie Grant			Not required	150	-	35	35
UBD Business Directory 1984 (Premise & Intersection Matches)	Hardie Grant			Not required	150	20	21	21
UBD Business Directory 1984 (Road & Area Matches)	Hardie Grant			Not required	150	-	23	23
UBD Business Directory 1980 (Premise & Intersection Matches)	Hardie Grant			Not required	150	7	8	8
UBD Business Directory 1980 (Road & Area Matches)	Hardie Grant			Not required	150	-	21	21
UBD Business Directory 1977 (Premise & Intersection Matches)	Hardie Grant			Not required	150	8	17	19
UBD Business Directory 1977 (Road & Area Matches)	Hardie Grant			Not required	150	-	25	25
UBD Business Directory 1974 (Premise & Intersection Matches)	Hardie Grant			Not required	150	23	32	38
UBD Business Directory 1974 (Road & Area Matches)	Hardie Grant			Not required	150	-	60	60
UBD Business Directory 1965 (Premise & Intersection Matches)	Hardie Grant			Not required	150	15	17	19
UBD Business Directory 1965 (Road & Area Matches)	Hardie Grant			Not required	150	-	83	83
UBD Business Directory 1960-62 (Premise & Intersection Matches)	Hardie Grant			Not required	150	7	8	9

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 1960-62 (Road & Area Matches)	Hardie Grant			Not required	150	-	67	67
UBD Business Directory 1950 (Premise & Intersection Matches)	Hardie Grant			Not required	150	1	3	5
UBD Business Directory 1950 (Road & Area Matches)	Hardie Grant			Not required	150	-	29	29
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500	0	0	23
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500	-	16	18
Features of Interest	State Government Victoria - Department of Environment, Land, Water & Planning	10/01/2019	31/12/2018	Quarterly	1000	2	9	123
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1
Groundwater Salinity	State Government Victoria - Department of Environment, Land, Water & Planning	14/08/2015	29/08/2012	Unknown	0	2	-	-
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	30/10/2018	01/10/2018	Quarterly	2000	0	0	493
Groundwater Boreholes Earth Resources Database	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	27/07/2018	17/02/2010	As required	2000	0	0	5
Groundwater Boreholes Fed Uni	Federation University Australia	21/12/2017	07/01/2014	As required	2000	0	0	1
Historical Mining Activity - Shafts	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	18/10/2018	20/07/2018	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	1	-	5
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	2
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	2
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	1	1	2
Coastal Acid Sulfate Soils	State Government Victoria - Department of Economic Development, Jobs, Transport and Resources	28/03/2017	30/03/2011	None planned	1000	1	2	3
Planning Scheme Zones	State Government Victoria - Department of Environment, Land, Water & Planning	04/01/2019	11/12/2018	Monthly	1000	6	22	87
Planning Scheme Overlay	State Government Victoria - Department of Environment, Land, Water & Planning	04/01/2019	05/12/2018	Monthly	1000	5	27	158
Victorian Heritage Register	State Government Victoria - Department of Environment, Land, Water & Planning	10/01/2019	31/12/2018	Quarterly	1000	0	2	10
Cultural Heritage Sensitivity	State Government Victoria - Department of Planning and Community Development	10/01/2019	31/12/2018	Quarterly	1000	1	1	2

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features in Buffer
Bushfire Prone Area	State Government Victoria - Department of Transport, Planning and Local Infrastructure	10/01/2019	31/12/2018	Quarterly	1000	0	0	0
Fire History	State Government Victoria - Department of Environment, Land, Water & Planning	10/01/2019	31/12/2018	Quarterly	1000	0	0	0
Flood - 1 in 100 Year Modelled Flood Extent	State Government Victoria - Department of Environment, Land, Water & Planning	10/01/2019	31/12/2014	Quarterly	1000	1	1	1
Victorian Coastal Inundation Sea Level Rise	Department of Environment, Land, Water & Planning	10/04/2018	24/10/2017	Unknown	1000	10	15	15
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	2	3	4
Ramsar Wetlands	State Government Victoria - Department of Environment, Land, Water & Planning	28/03/2017	24/06/2013	None planned	1000	0	0	0
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	1	3	4
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	1	2	3

Aerial Imagery 2017

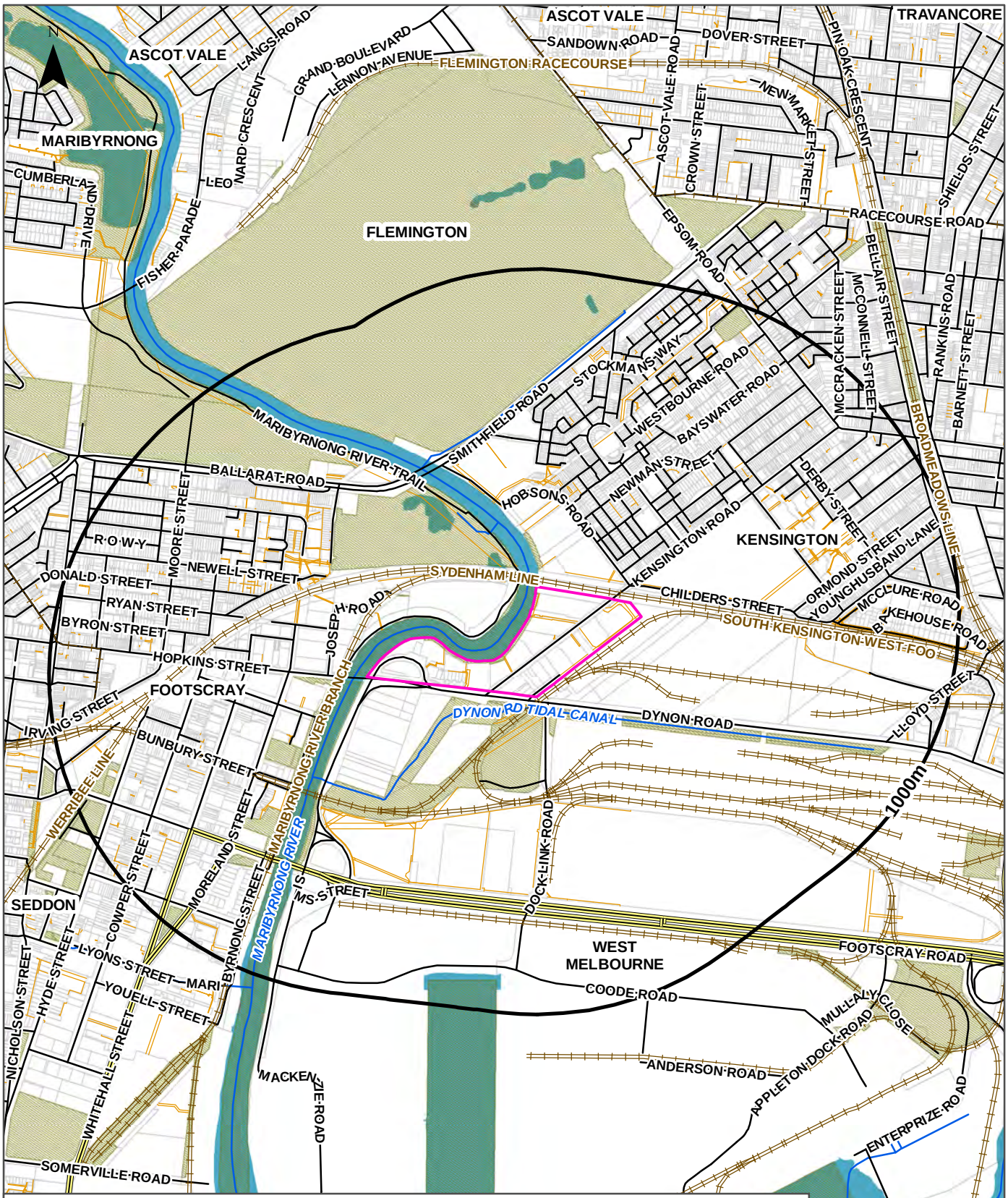
Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Scale:	Data Source Aerial Imagery: © 2019 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 55	Date: 22 January 2019

0 50 100 200
Meters

Topographic Data

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Legend

Site Boundary	Water Area	Major Road	Railway	Watercourse
Report Buffer	Crown or Commonwealth Land	Road	Light Rail	Easement
Property Boundaries	Statewide Forest	Track/Pathway	Rail - Underground/Tunnel	

Scale: 0 100 200 400 600 800 Meters

Data Sources: Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning

Coordinate System: GDA 1994 MGA Zone 55

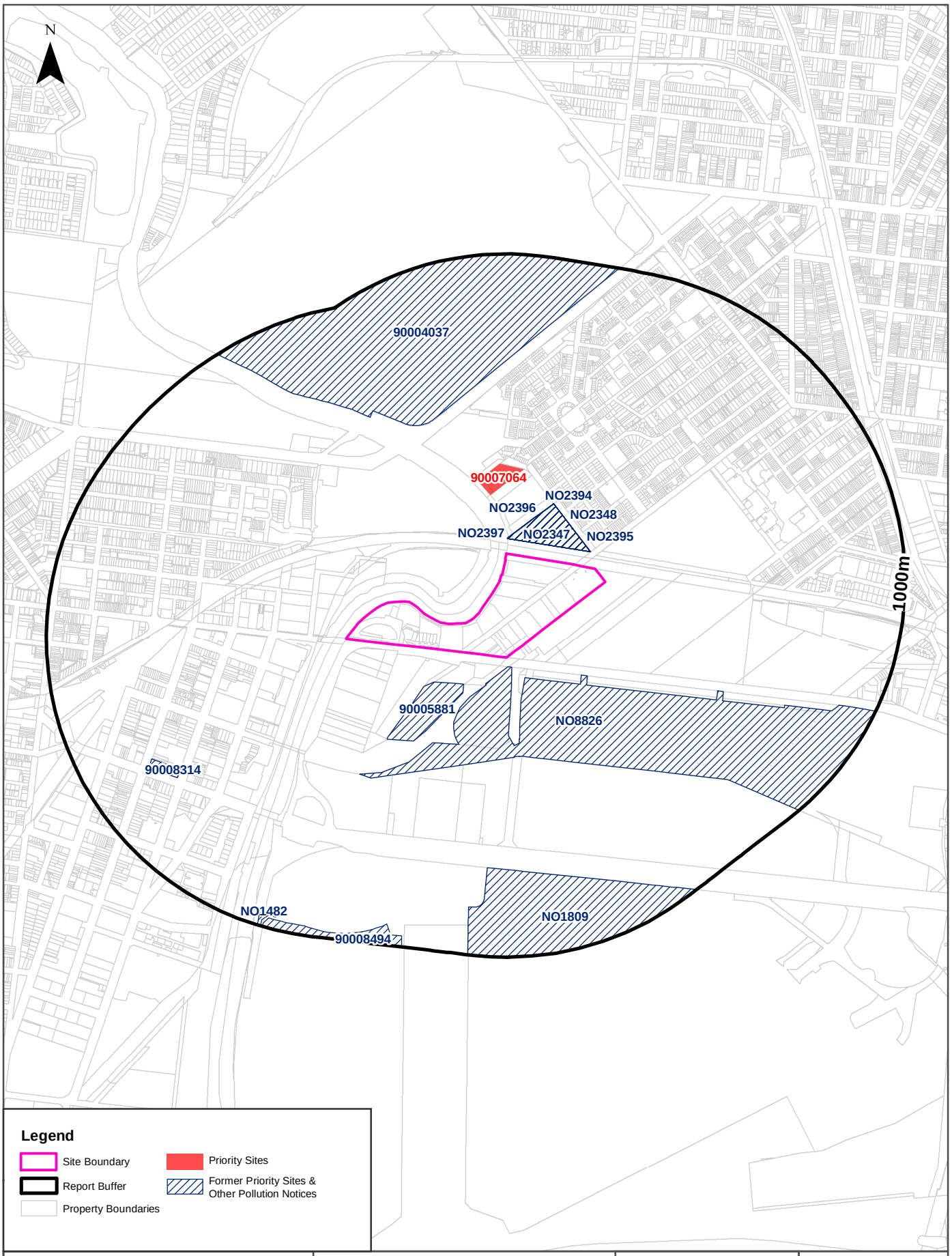
Date: 22 January 2019

Elevation Contours (m AHD)

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

EPA Records - Priority Sites & Pollution Notices

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



EPA Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
90007064	71 HOBSONS RD	KENSINGTON	Contaminated soil is retained and managed onsite. Requires assessment and/or clean up.	Premise Match	204m	North

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.

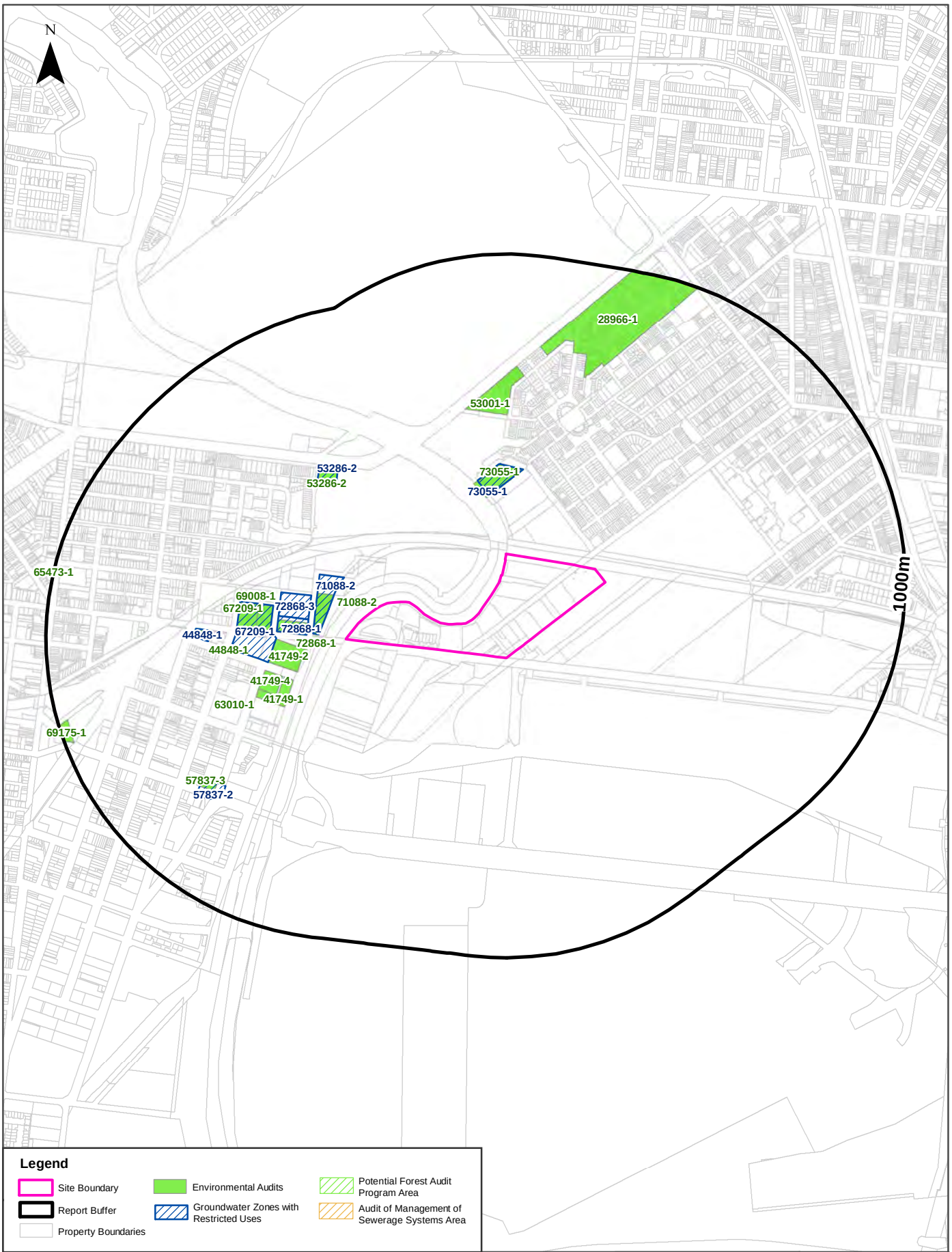
Notice No	Notice Type	Company	Address	Suburb	Status	Issue	Date Issued	Loc Conf	Dist	Dir
NO8826	31A(1)	V/LINE MAINTENANCE P/L	LOT 8 DOCK LINK RD	WEST MELBOURNE	Legacy EPA Database Pollution Notice	Railway Yard, Requires assessment and/or clean up.	06/04/2011	Premise Match	31m	South East
NO2397	62A(1)	OMNI PROPERTY GROUP P/L	1-39 HOBSONS RD	KENSINGTON	Legacy EPA Database Pollution Notice		07/08/2001	Premise Match	50m	North East
NO2396	62A(1)	AMATRUDA, BRIAN JOHN	1-39 HOBSONS RD	KENSINGTON	Legacy EPA Database Pollution Notice		07/08/2001	Premise Match	50m	North East
NO2395	62A(1)	HOWARD, JAMES SWINTON	1-39 HOBSONS RD	KENSINGTON	Legacy EPA Database Pollution Notice		07/08/2001	Premise Match	50m	North East
NO2394	62A(1)	HOBSONS P/L	1-39 HOBSONS RD	KENSINGTON	Legacy EPA Database Pollution Notice		07/08/2001	Premise Match	50m	North East
NO2348	62A(1)	AMATRUDA, BRIAN JOHN	1-39 HOBSONS RD	KENSINGTON	Legacy EPA Database Pollution Notice		07/08/2001	Premise Match	50m	North East
NO2347	62A(1)	HOWARD, JAMES SWINTON	1-39 HOBSONS RD	KENSINGTON	Legacy EPA Database Pollution Notice		07/08/2001	Premise Match	50m	North East
90005881	Pollution Abatement Notice	CITYWIDE SERVICE SOLUTIONS PTY LTD	437 DYNON RD	WEST MELBOURNE	Previous Pollution Notice	LIQUID - PROCEDURAL	16/04/2015	Premise Match	105m	South West
90004037	Pollution Abatement Notice	SOUNDWAVE FESTIVAL PTY LTD	448 EPSOM RD	FLEMINGTON	Previous Pollution Notice		21/01/2014	Premise Match	508m	North

Notice No	Notice Type	Company	Address	Suburb	Status	Issue	Date Issued	Loc Conf	Dist	Dir
90008314	Pollution Abatement Notice	FOOTSCRAY BP PTY LTD [FOOTSCRAY]	32-50 NAPIER ST	FOOTSCRAY	Previous Pollution Notice		20/12/2017	Premise Match	703m	South West
NO1809	62A(1)	MELBOURNE PORT CORP	LAND BOUNDED BY MOONEE PONDS CREEK Railway Yard CANAL & APPLETON DOCK	FOOTSCRAY	Legacy EPA Database Pollution Notice		20/10/2000	Area Match	704m	South East
90008494	Pollution Abatement Notice	DP WORLD AUSTRALIA LIMITED [WEST MELBOURNE]	29-79 MACKENZIE RD	WEST MELBOURNE	Previous Pollution Notice		14/02/2018	Premise Match	930m	South
NO1482	62A(1)	TERMINALS P/L	28-30 MACKENZIE RD	FOOTSCRAY	Legacy EPA Database Pollution Notice		08/12/1999	Road Match	943m	South West

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

EPA Records - Audit Reports & GQRUZ

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



EPA Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
71088-2	8003953	2 HOPKINS STREET	2 HOPKINS STREET	Footscray	20/06/2014	Premise Match	91m	West
72868-1	8004296	STAGE 1 4 HOPKINS-ST AND 1-3 NEILSON ST	STAGE 1 4 HOPKINS-ST AND 1-3 NEILSON ST, FOOTSCRAY	FOOTSCRAY	24/05/2016	Premise Match	132m	West
41749-2	8001191	SALTWATER CROSSING 4 SALTRIVER PL	SALTWATER CROSSING 1-11 MORELAND ST	FOOTSCRAY	10/01/2007	Premise Match	133m	West
73055-1	8004393	71-113 HOBSONS RD, KENSINGTON VIC 3031 71-113 HOBSONS RD	71-89 HOBSONS ROAD	Kensington	16/02/2017	Premise Match	200m	North
41749-1	8001190	SITE 2 SALTWATER CROSSING CORNER WINGFIELD AND MARIBYRNONG STREETS	SITE 2 SALTWATER CROSSING CORNER WINGFIELD AND MARIBYRNONG STREETS	FOOTSCRAY	10/07/2003	Premise Match	222m	West
41749-4	8001192	37-39 MORELAND ST	37-39 MORELAND ST	FOOTSCRAY	28/10/2008	Premise Match	246m	West
69008-1	8003095	18 HOPKINS STREET & 20-30 MORELAND ST	18 HOPKINS STREET & 20-30 MORELAND ST	FOOTSCRAY	20/03/2012	Premise Match	254m	West
67209-1	8002902	22-24 HOPKINS ST & 1B WHITEHALL ST	22-24 HOPKINS ST & 1B WHITEHALL ST	FOOTSCRAY	31/08/2012	Premise Match	302m	West
63010-1	8002525	41-43 MORELAND ST	41-43 MORELAND ST	FOOTSCRAY	28/06/2010	Premise Match	305m	West
53286-2	8001770	1C BALLARAT ROAD FOOTSCRAY 1C BALLARAT ROAD FOOTSCRAY	1C BALLARAT ROAD FOOTSCRAY		27/02/2015	Premise Match	425m	North West
44848-1	8001304	51-61 HOPKINS ST	51-61 HOPKINS ST	FOOTSCRAY	02/04/2002	Premise Match	449m	West
53001-1	8001753	VUE APARTMENTS SMITHFIELD RD	UNIT 107 LEVEL 1 60 SPEAKMEN ST, KENSING 1 , 107 ,60 SPEAKMEN ST	KENSINGTON	25/08/2003	Premise Match	465m	North
28966-1	8000423	KENSINGTON BANKS DEVELOPMENT SMITHFIELD ROAD STAGE 1, KENSINGTON BANKS DEVELOPMENT KENSIN	GREGORY LANE, KENSINGTON GREGORY LANE	KENSINGTON	28/05/1996	Premise Match	623m	North East
57837-3	8004362	12-18 NAPIER STREET	12-18 NAPIER STREET, Footscray	Footscray	22/09/2016	Premise Match	643m	South West
69175-1	8003120	FOOTSCRAY CENTRAL ACTIVITIES DISTRICT 72-74 NAPIER ST	FOOTSCRAY CENTRAL ACTIVITIES DISTRICT 72-74 NAPIER ST	FOOTSCRAY	10/08/2012	Premise Match	965m	West
65473-1	8002771	62 NICHOLSON ST	62 NICHOLSON ST	FOOTSCRAY	23/12/2010	Premise Match	999m	West

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

EPA Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

EPA Groundwater Zones with Restricted Uses

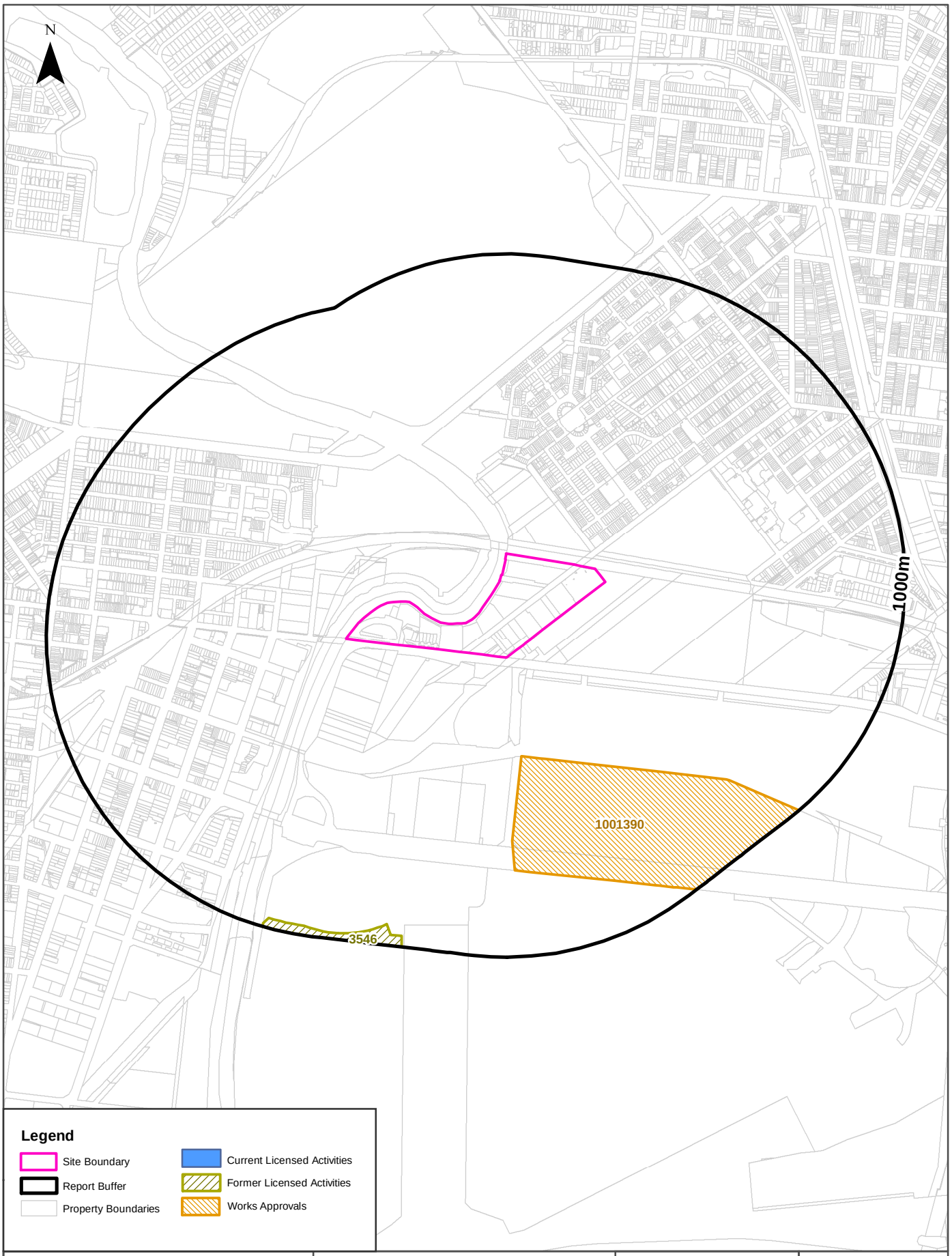
EPA GQRUZ records that exist within the dataset buffer:
Note. Please click on CARMS No. to activate a hyperlink to online documentation.

CARMS No	EPA Id	Site History	Site Address	Restricted Uses	Loc Conf	Distance	Direction
71088-2	7000651	Industry - general	2 HOPKINS ST FOOTSCRAY VIC 3011	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming)	Premise Match	91m	West
72868-1	7001389	Industry - general	STG1 - 4 HOPKINS , 1-3 NEILSON ST FOOTSCRAY VIC 3011	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming) Water used for industrial purposes	Premise Match	132m	West
72868-3	7001776	Tannery (and associated trades e.g. leatherworks)	Stage 2 , 3 1 - 3 Neilson PL FOOTSCRAY VIC 3011	Drinking water Livestock water supply Water used for recreational purposes (e.g. swimming) Water used for industrial purposes	Premise Match	141m	West
73055-1	7001540	Woolscouring	71 - 89 HOBSONS RD KENSINGTON VIC 3031	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming) Water used for industrial purposes	Premise Match	204m	North
67209-1	7000326	Service station/fuel storage	22-24 HOPKINS ST , 1B WHITEHALL ST FOOTSCRAY VIC 3011	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming)	Premise Match	233m	West
53286-2	7001102	Service station/fuel storage	1C BALLARAT RD FOOTSCRAY VIC 3011	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming) Water used for industrial purposes	Premise Match	425m	North West
44848-1	7000057	Service station/fuel storage	51 - 61 HOPKINS ST FOOTSCRAY VIC 3011	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming) Water used for industrial purposes	Premise Match	449m	West
57837-2	7000241	Service station/fuel storage	12 - 18 NAPIER ST FOOTSCRAY VIC 3011	Drinking water Livestock water supply Irrigation of crops (including domestic gardens) and parks Water used for recreational purposes (e.g. swimming) Water used for industrial purposes	Premise Match	632m	South West

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

EPA Records - Licensed Activities & Works Approvals

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Data Sources: Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

EPA Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
3546	DP WORLD AUSTRALIA LIMITED	29-79 MACKENZIE RD	WEST MELBOURNE VIC 3003	A03 Sewage Treatment	Premise Match	930m	South

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

EPA Works Approvals

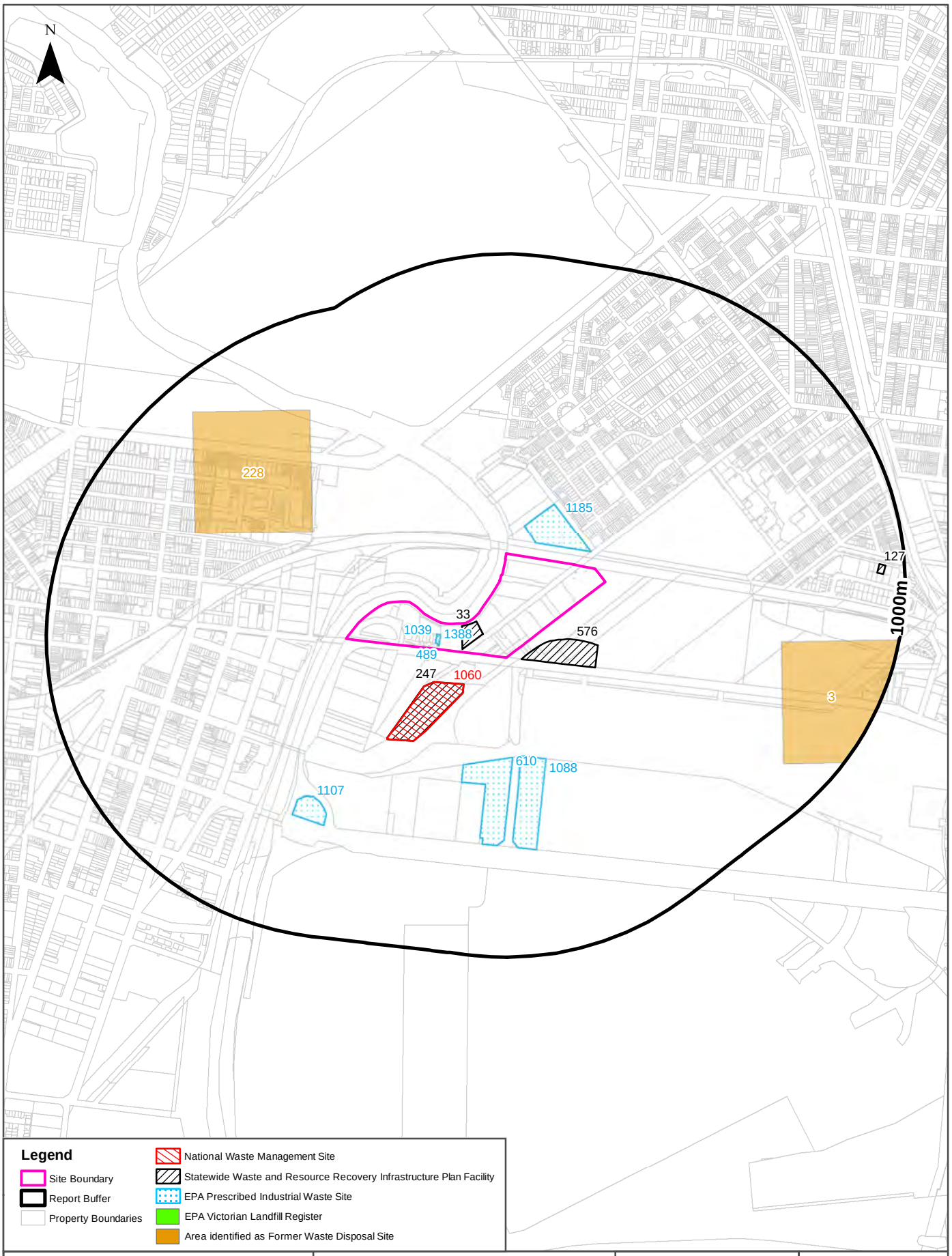
EPA works approvals that exist within the dataset buffer:

Transaction No	Status	Approval No	Organisation	Premise Address	Suburb	Scheduled Categories	Loc Conf	Dist (m)	Direction
1001390	Approved/ Issued	104786	LINKING MELBOURNE AUTHORITY (EAST WEST LINK TUNNELS)	EAST WEST LINK TUNNELS ROYAL PARK TO CLIFTON HILL	CLIFTON HILL	L03 Tunnel Ventilation Systems	Road Match	333m	East

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

Waste Management Facilities and Legacy Landfills

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Waste Management Facilities

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
1060	Melbourne Council	Kensington Waste and Recycling Centre	437 Dynon Road	Kensington	Multi-Purpose		Operational	Operational		Premise Match	105m	South West

Waste Management Facilities Data Source: Australian Government Geoscience Australia
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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
33		Paddy's Bricks	240 Kensington Rd	West Melbourne	Construction & Demolition	C&D Reprocessing	Premise Match	0m	Onsite
576		Melbourne Recycling Centres Pty Ltd	372 Dynon Rd	West Melbourne	Construction & Demolition	C&D Reprocessing	Premise Match	34m	South East
247	Melbourne City Council	CityWide Waste and Recycling Centre	437 Dynon Rd	Kensington	Municipal Waste	MSW Transfer station	Premise Match	105m	South West
127		Second Bite	73 McClure Rd	Kensington	Organics	Food Organics	Premise Match	908m	East

SWRRIPF Data Source: State Government Victoria - Department of Sustainability

EPA Prescribed Industrial Waste

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

Map Id	Company Name	Address	Suburb	Treatment /Disposal	Transport	Accredited Agent	EPA List Status	Loc Conf	Dist' (m)	Direct
1388	RANGEDALE DRAINAGE SERVICES PTY LTD	FACTORY 6, 440 DYNON RD	WEST MELBOURNE VIC 3003	No	Yes	No	Current EPA List	Premise Match	0m	Onsite
1039	RANGEDALE GROUP PTY LTD	UNIT 6, 440 DYNON RD	WEST MELBOURNE	No	Yes	No	Previous EPA List	Premise Match	0m	Onsite
489	RANGEDALE TRADING PTY LTD	FACTORY 6, 440 DYNON RD	WEST MELBOURNE VIC 3003	No	Yes	No	Previous EPA List	Premise Match	0m	Onsite
1185	O VENTURES PTY LTD	1-39 HOBSONS RD	KENSINGTON VIC 3031	No	Yes	No	Current EPA List	Premise Match	50m	North East
1088	TOLL TRANSPORT PTY LTD [FOOTSCRAY]	604 FOOTSCRAY RD	FOOTSCRAY	No	Yes	No	Current EPA List	Premise Match	333m	South
610	TOLL TRANSPORT PTY LIMITED [WEST MELBOURNE]	620-628 FOOTSCRAY RD	WEST MELBOURNE VIC 3003	No	Yes	No	Current EPA List	Premise Match	335m	South
1107	MCLEOD RAIL PTY LTD	702-714 FOOTSCRAY RD	WEST MELBOURNE	No	Yes	No	Current EPA List	Premise Match	538m	South West

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

EPA Victorian Landfill Register

EPA Victorian Landfill Register sites within the dataset buffer:

Landfill Register No.	Site	Address	Operating Status	Est. Year Of Closure	Waste type	Loc Conf	Dist' (m)	Direction
No records in buffer								

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

Waste Management Facilities

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
228	alongside Maribyrnong River	Footscray	municipal & solid wastes		reserve	1944	1949		42	E3	Melway Map Grid Reference	333m	North West
3	B/n Dynon rd & Foolscray rds	Footscray	industrial & municipal wastes		industrial	1924	I960	MCC tip	42	K5	Melway Map Grid Reference	619m	East

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

Former Gasworks

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Former Gasworks

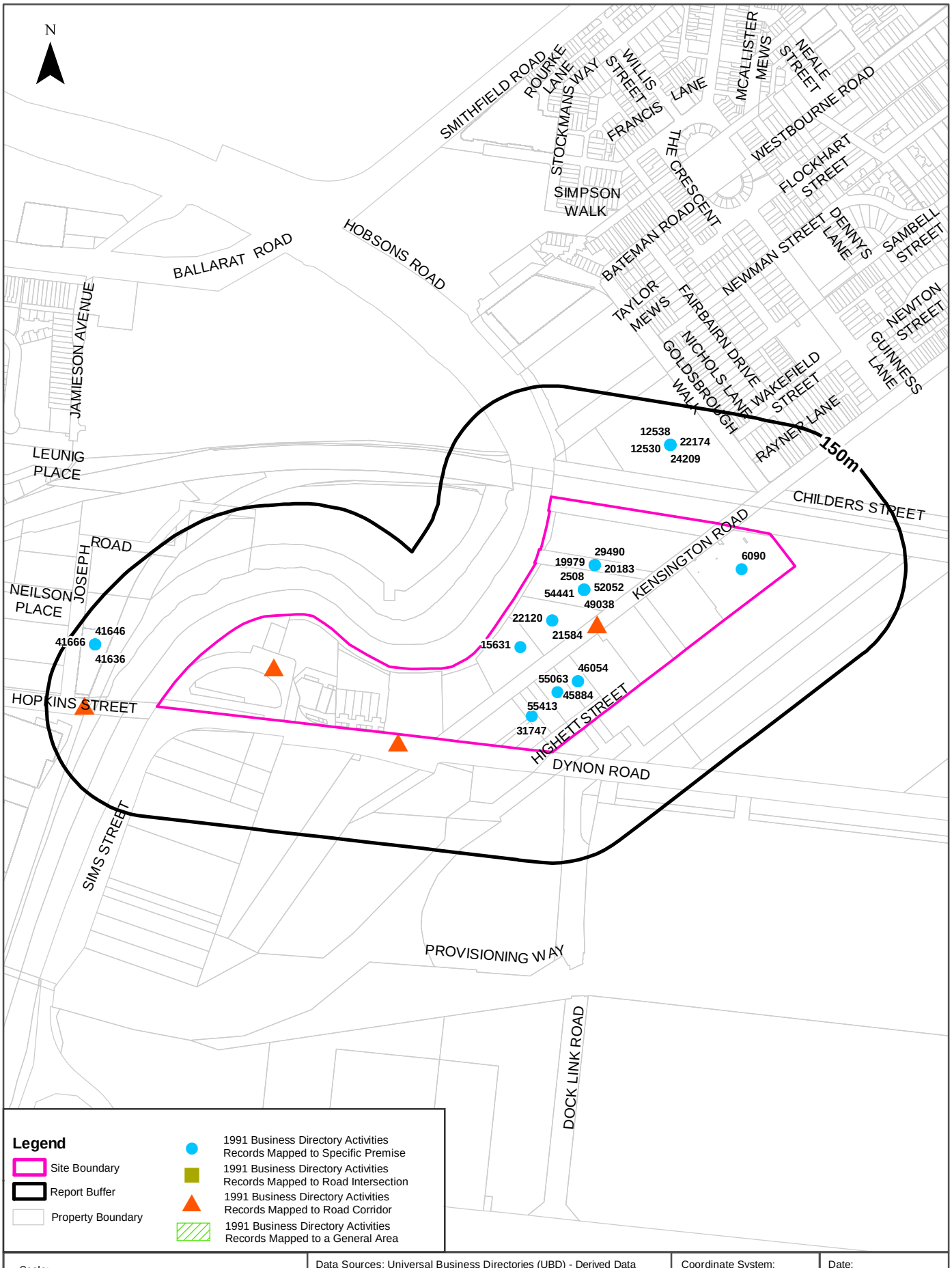
Former Gasworks identified from various historical sources within the dataset buffer:
Note - As this is a dataset collated from various historical sources, it is not an exhaustive list of all former Gasworks

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

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Data Sources: Universal Business Directories (UBD) - Derived Data Licensed from Hardie Grant.
Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning 2019

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
Advertising Contractors - Outdoor	Australian Advertising Associates Of Transport, 178 Kensignton Rd., Footscray 3011	990	Premise Match	0m	Onsite
Brick Mfrs &/or Dists	Paddys Bricks, 200 Kensington Rd Footscray 3011	22120	Premise Match	0m	Onsite
Carriers &/or Cartage Contractors	Hunter W.B Pty Ltd, 209 Kensington Rd,Footscray 3011	31747	Premise Match	0m	Onsite
Elecrtic Motor Winding &/or Rewinding Specialists	Breakaway Electrical Services Pty.Ltd, 180,Kensington Rd,Footscray.3011	48640	Premise Match	0m	Onsite
Electrical Appliance Repair &/or Service Agents	Breakaway Electrical Services Pty Ltd, Rear 180 Kensington Rd Footscray 3011	48890	Premise Match	0m	Onsite
Electrical Contractors	Breakaway Electrical Services Pty Ltd, 180 Kensington Road Footscray 3011	48986	Premise Match	0m	Onsite
Electrical Contractors	Breakaway Electrical Services Pty Ltd, Rear 180 Kensington Rd Footscray 3011	49038	Premise Match	0m	Onsite
Electronic Equipment Maintenance &/or Repairs	Breakaway Electrical Services Pty Ltd, Rear 180 Kensington Rd Footscray 3011	52052	Premise Match	0m	Onsite
Engineers - Electrical	Breakaway Electrical Services Pty Ltd, Rear 180 Kensington Rd Footscray 3011	53008	Premise Match	0m	Onsite
Engineers - General	Riakas Pty Ltd, 180 Kensington Rd Footscray 3011	56263	Premise Match	0m	Onsite
Engineers - Marine	Breakaway Electrical Service Pty Ltd, Rear 180 Kensington Rd Footscray 3011	2508	Premise Match	0m	Onsite
Gravel Sand &/or Soil Supplies	Paddy's Briks, 200 Kensington Rd Footscray 3011	21584	Premise Match	0m	Onsite
Motor Accessories Mfrs &/or Imps &/or W/salers	Jamieson Panel Van Conversions Pty Ltd, 197 Kensington Rd Footscray 3011	45884	Premise Match	0m	Onsite
Motor Body Builders	Jamieson Panel Van Conversions Pty Ltd, 197 Kensington Rd Footscray 3011	46054	Premise Match	0m	Onsite
Motor Wreckers	Kensington Road Car Wreckers., 216 Kensington Rd., Footscray. 3011	15631	Premise Match	0m	Onsite
Packaging Materials Mfrs. &/or Dists.	Cue, B. R. Plastics Pty. Ltd., 176 Kensington Rd., Footscray. 3011	19979	Premise Match	0m	Onsite
Packaging Services	Cue, B. R. Plastics Pty. Ltd., 176 Kensington Rd., Footscray. 3011	20183	Premise Match	0m	Onsite
Plastic Bag Mfrs. &/or Dists	Cue, B. R. Plastics Pty. Ltd., 176 Kensington Rd., Footscray. 3011	29490	Premise Match	0m	Onsite
Ship Builders &/or Repairers	Breakaway Electrical Services Pty Ltd, Rear 180 Kensington Rd Footscray 3011	54440	Premise Match	0m	Onsite
Ship Builders &/or Repairers	Burchanan & Brock Ship Repairs Pty Ltd, 180 Kensington Rd Footscray 3011	54441	Premise Match	0m	Onsite
Signs-Neon &/or Illuminated	Signcraft Pty Ltd, 171/195 Kensington Rd Footscray 3011	55063	Premise Match	0m	Onsite
Smallgoods Mfrs &/or W/salers	All Seasons Smallgoods, 201 Kensington Rd Footscray 3011	55413	Premise Match	0m	Onsite
Spring Mfrs &/or Dists	Gerrard Springs (Division Of Gerrard Manufacturing Pty Ltd), 133 Kensington Rd South Kensington 3011	6090	Premise Match	0m	Onsite
Broom &/or Brush Mfrs Supplies	Gunn&Hiskens Pty.Ltd, 1/39 Hobsons Rd, Kensington 303	22174	Premise Match	95m	North East
Broom &/or Brush Mfrs Supplies	Parsons &Lewis Pty.Ltd, 1/39 Hobsons Rd, Kensington 3031	22175	Premise Match	95m	North East
Furniture Mfrs &/or W/salers - Metal	Johnnys Tubular Furniture Pty Ltd, 4/39 Hobsons Rd Kensington 3031	16516	Premise Match	95m	North East
Paint, Enamel, Varnish &/or Stain Mfrs. &/or Imps. &/or Dists.	Vemichem Pty. Ltd., Factory 1/39 Hobsons Rd., Kensington. 3031	20385	Premise Match	95m	North East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Tanners	Price Lambswool Rugs, 1139 Hobsons Rd., Kensington. 3031	12538	Premise Match	95m	North East
Tanners	Price Lambswool Rugs, Unit 1, 39 Hobsons Road, Kensington 3031	12530	Premise Match	95m	North East
Upholsterers Supplies	Gunn & Hiskens Pty Ltd, 1/39 Hobsons Rd Kensington 3031	24196	Premise Match	95m	North East
Upholsterers Supplies	Parsons & Lewis Pty Ltd, 1/39 Hobsons Rd Kensington 3031	24209	Premise Match	95m	North East
Container - Cargo - Mfrs &/or Dists &/or Hirers	Picters Pty Ltd, 2 Hopkins St Footscray 3011	41636	Premise Match	117m	West
Container Refrigeration Service	Picters Pty Ltd, 2 Hopkins St Footscray 3011	41646	Premise Match	117m	West
Container Transport Services	Picters Pty Ltd, 2 Hopkins St Footscray 3011	41666	Premise Match	117m	West

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

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 renumbered since the directory was published:

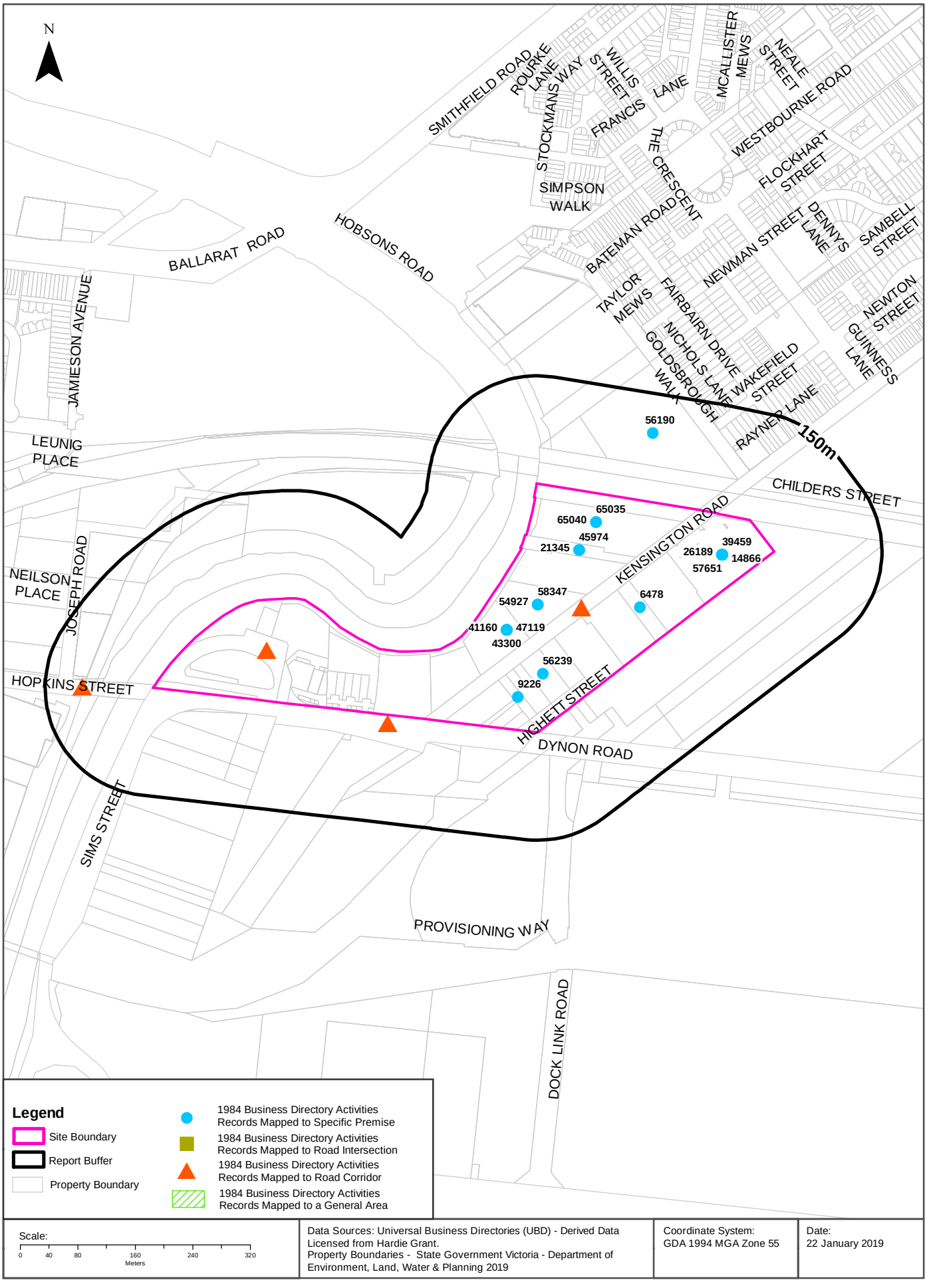
Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Auto Electricians	Traynor's Auto Electrical, Sims St. Footscray 3011	10445	Road Match	0m
Bag &/or Sack Mfrs &/or Merchants	Gaylon Agencies Pty Ltd, Kensignton Rd., Footscray 3011	10546	Road Match	0m
Carriers &/or Cartage Contractors	Blue Sea Transport, Dynon Rd Footscray 3011	31669	Road Match	0m
Carriers &/or Cartage Contractors	Booth L S Wine Transport Pty Ltd, Sims St Footscray 3011	31673	Road Match	0m
Carriers &/or Cartage Contractors	Lsr Transport Pty Ltd, 22 Dynon Rd,Kensington, 3031	31779	Road Match	0m
Carriers &/or Cartage Contractors	Scott's Transport Industries Pty Ltd, Dynon Rd Footscray 3011	31848	Road Match	0m
Cleanser &/or Cleaning Preparations Mfrs &/or Dists	National Pride Cleaning Products, Dynon Rd, Footscray 3011	36403	Road Match	0m
Container - Cargo - Mfrs &/or Dists &/or Hirers	Wreckir Container Services, 5 Dynon Rd Footscray 3011	41641	Road Match	0m
Container Transport Services	Apex Container Services Pty Ltd, Dynon Rd Footscray 3011	41651	Road Match	0m
Container Transport Services	Wreckir Container Services, 5 Dynon Rd . Footscray 3011	41678	Road Match	0m
Detergent Mfrs &/or Dists	National Pride Cleaning Products, Dynon Rd,Footscray 3011	44738	Road Match	0m
Fish Merchants - Wholesale	Lelkas Seafoods, Lol 1 Sims St Footscray 3011	7844	Road Match	0m
Food Importers	Huile Trading Co, Sims St Footscray 3011	8078	Road Match	0m
Freight Forwarders	Specialized Container Transport, Dynon Rd Footscray 3011	11666	Road Match	0m
Fuel Injection Service	Cornell Fuel Injection Ltd, Sims St Footscray 3011	11899	Road Match	0m
Motor Car Dealers - New &/or Used	Kenworth Truck Sales, Sims St Footscray 3011	46888	Road Match	0m
Motor Car Hire Services	Ranger Truck Rental & Leasing Pty Ltd, Sims St Footscray 3011	49790	Road Match	0m
Motor Spare Parts Mfrs. &/or Imps. &/or W/ Salers	Davd Galt Industries, Dynon Rd., Footscray. 3011	9124	Road Match	0m
Motor Truck Accessories &/or Spare Parts	Kenworth Truck Sales,. Sims St . Footscray. 3011	14653	Road Match	0m
Motor Truck Accessories &/or Spare Parts	Whitehorse Truck Centre Pty. Ltd., Sims St., Footscray. 3011	14691	Road Match	0m
Packaging Services	Gnion Agencies Ply. Ltd., Kensington Rd., Footscray. 3011	20197	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Road Transport Services-Interstate	Booth S Wine Transport Pty Ltd, Sims St Footscray 3011	47506	Road Match	0m
Road Transport Services-Interstate	Games Interstate Transport, Sims St Footscray 3011	47525	Road Match	0m
Road Transport Services-Interstate	Lake Boga Transport Pty Ltd, Booth Terminal Sims St Footscray 3011	47485	Road Match	0m
Road Transport Services-Interstate	Scott's Transport Industries Pty Ltd, Dynon Rd Footscray 3011	47571	Road Match	0m
Road Transport Services-Intrastate	Booth L S Wine Transport Pty Ltd, Sims St Footscray 3011	47603	Road Match	0m
Ship Provedores	North Melbourne Ship Supply, Rear 1 Dynon Rd Footscray 3011	54505	Road Match	0m
Spa Baths &/or Hot Tubs &/or Equipment Mfrs &/or Dists &/or Installers	Smith S & Co Pty Ltd, 1 Dynon Rd Footscray 3011	2152	Road Match	0m
Truck &/or Bus Hire	Ranger Truck Rental & Leasing Pty Ltd, Sims St Footscray 3011	23560	Road Match	0m
Truck &/or Bus Repairs	K & K Fleet Service Pty Ltd, Sims St Footscray 3011	23649	Road Match	0m
Truck &/or Bus Repairs	Whitehorse Truck Centre Pty Ltd, Sims St Footscray 3011	23700	Road Match	0m
Wallpaper &/or Wallcoverings Merchants	Smith S & Co Pty Ltd, 1 Dynon Rd Footscray 3011	28656	Road Match	0m
Wool Processing Services	Marnan Wool Industries Pty Ltd, Dynon Rd Footscray 3011	33547	Road Match	0m
Motor Car Dealers - New &/or Used	Binks Ford, Hopkins St Footscray 3011	46677	Road Match	37m
Motor Tyre Dealers, Retreaders &/or Vulcanisers.	Goodyear Tyre & Brake Service,. Hopkins St.. Footscray. 3011	15102	Road Match	37m

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

1984 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

1984 Business Directory Records
Premise or Road Intersection Matches

Records from the 1984 UBD 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
AIR CONDITIONING - AUTOMOTIVE.	Quik Fit Auto Services, 216A Kensington Rd., Kensington.	1173	Premise Match	0m	Onsite
BUTCHERS. .	Blue Line Meats Pty. Ltd., 167 Kensington Rd.. Kensington.	6478	Premise Match	0m	Onsite
CAMPING &/OR CARAVAN EQUIPMENT. .	Gerrard Springs A Div, Of Gerrard Manufacturing Pty. Ltd., 133 Kensington Rd Kensington.	8489	Premise Match	0m	Onsite
CARAVAN FITTINGS &/OR SPARE PARTS MFRS.	Gerrard Springs, A Div. Of Gerrard Manufacturing Pty. Ltd.,. 133 Kensington Rd Kensington.	8640	Premise Match	0m	Onsite
CARRIERS &/OR CARTAGE CONTRACTORS.	Hunters Haulage, 209 Kensington Rd., Kensington.	9226	Premise Match	0m	Onsite
CONTAINERS INDUSTRIAL–MFRS &/OR DISTS. &/OR HIRERS.	Gerrard Springs, A Div. Of Gerrard Manufacturing Pty. Ltd., 133 Kensington Rd.. Kensington.	14866	Premise Match	0m	Onsite
ENGINEERS MARINE.	Harris, V. F. (Vb.) Pty. Ltd., 176 Kensington Rd., Kensington.	21345	Premise Match	0m	Onsite
FURNITURE MFRS. METAL, .	Gerrard Springs, A Div. Of G D Manufacturing Pty, Ltd., 133 Kensington Rd., Kensington.	26189	Premise Match	0m	Onsite
METAL PRODUCTS MFRS. &/OR SUPPLIERS.	Gerrard Springs, A Div. Of Gerrard Manufacturing Pty. Ltd., 133 Kensington Rd., Kensington.	39459	Premise Match	0m	Onsite
MOTOR ACCESSORIES-RETAIL	Quik Fit Auto Services, 216A Kensington Rd., Kensington,.	41160	Premise Match	0m	Onsite
MOTOR EXHAUST PIPE & MUFFLER SPECIALISTS.	Quik Fit Auto Services, 216A Kensington Rd., Kensington,.	43300	Premise Match	0m	Onsite
MOTOR PAINTERS &/OR PANEL BEATERS.	Spicer & Dowling, 176 Kensington Rd., Kensington.	45974	Premise Match	0m	Onsite
MOTOR WRECKERS.	Kensington Road Car Wreckers, 216 Kensington Rd., Kensington.	47119	Premise Match	0m	Onsite
SCRAP METAL MERCHANTS.	Mckay Steel & Trading Co., 200 Kensington Rd., Kensington.	54927	Premise Match	0m	Onsite
SMALL GOODS MFRS, &/OR W/SALERS.	All Seasons Smaligoods, 201 Kensington Rd., Kensington.	56239	Premise Match	0m	Onsite
SPRING MFRS. &/OR DISTS.	Gerrard Springs, A Div. Of Gerrard Manufacturing Pty, Ltd., 133 Kensington Rd., Kensington.	57651	Premise Match	0m	Onsite
STEEL MERCHANTS & MANUFACTURERS.	Mckay Steel & Trading Co., 200 Kensington Rd., Kensington.	58347	Premise Match	0m	Onsite
TRANSFORMERS MANUFACTURED.	Gerrard Springs, A Div. Of Gerrard Manufacturing Pty, Ltd., 133 Kensington Rd., Kensington.	62268	Premise Match	0m	Onsite
WOOL SCOURERS.	Dodd & Co. Pty. Ltd., 166 Kensington Rd., Kensington.	65035	Premise Match	0m	Onsite
WOOL SCOURING & DRYING MACHINERY.	Dodd & Co. Pty. Ltd., 166 Kensington Rd., Kensington.	65040	Premise Match	0m	Onsite
SKIN & HIDE MERCHANTS & DEALERS.	Tesar Cooper, 1 Hobsons Rd., Kensington.	56190	Premise Match	95m	North East

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

1984 Business Directory Records
Road or Area Matches

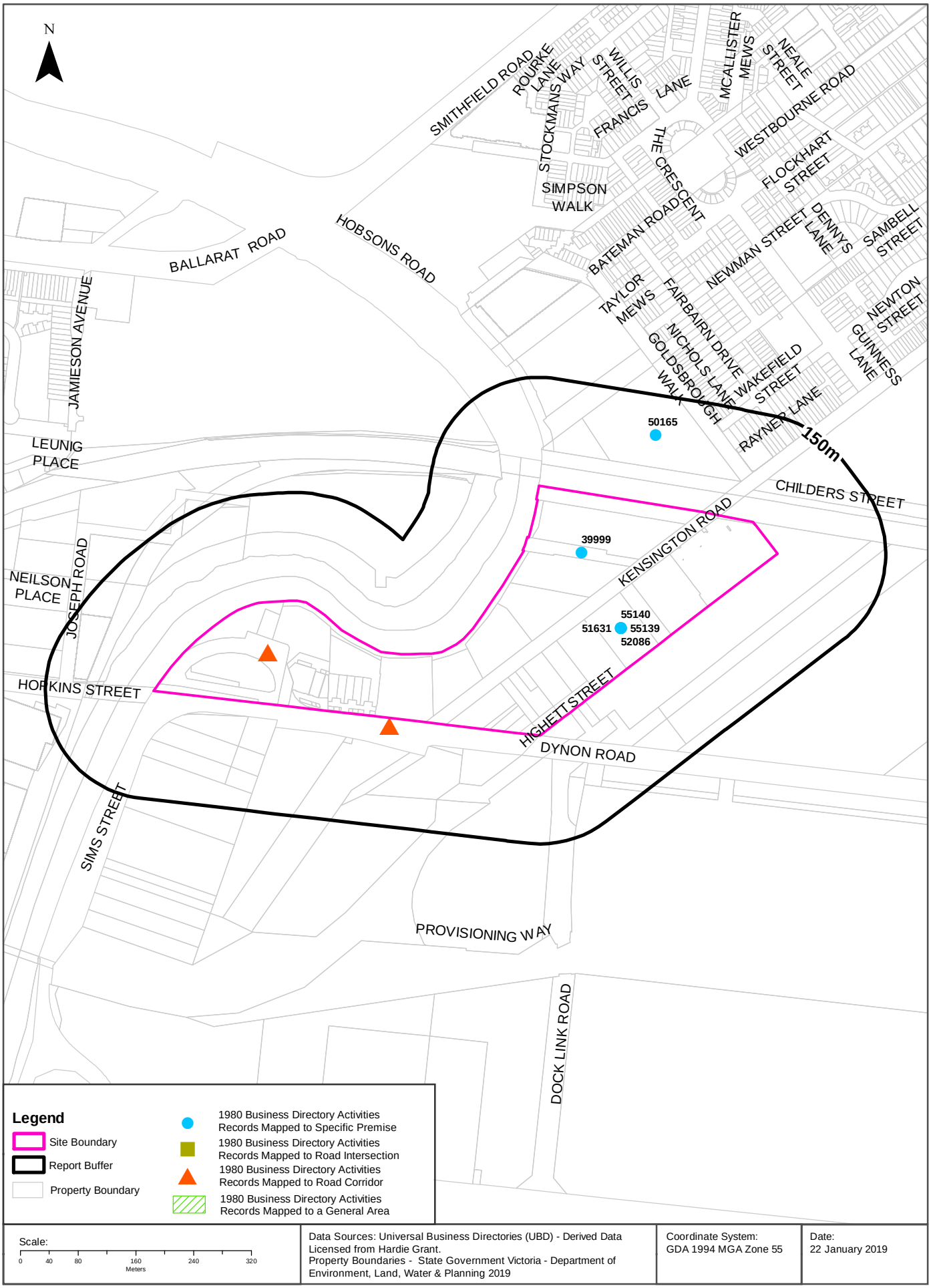
Records from the 1984 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ADVERTISING CONTRACTORS GENERAL.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd., South Kensington.	910	Road Match	0m
ADVERTISING SIGNS - ELECTRIC.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd , South Kensington.	952	Road Match	0m
ADVERTISING SIGNS - ILLUMINATED.	Buckle Neon Co Pty. Ltd.. 5 Dynon Rd , South Kensington.	961	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Booth, L. S. Wine Transport Pty. Ltd., Sims St.. Footscray.	9114	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Donovan, R P. & Sons, Transport Service Pty. Ltd., Sims St., Footscray.	9163	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Donovan, R. P. & Sons, Transport Service Pty. Ltd., Sims St., Footscray.	9162	Road Match	0m
CHEMICAL MFRS. &/OR IMPS. &/OR DISTS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., South Kensington.	10014	Road Match	0m
DISPLAY SPECIALISTS.	Buckle Bros. Pty, Ltd., 5 Dynon Rd., South Kensington.	17283	Road Match	0m
HEAT TREATMENT SPECIALISTS ¬METAL.	Ace Heat Treatment 14 Dynon Road, South Kensington.	32184	Road Match	0m
HEAT TREATMENT SPECIALISTS ¬METAL.	Ace Heat Treatment, 14 Dynon Rd., South Kensington.	32186	Road Match	0m
MOTOR CAR &/OR TRUCK DEALERS.	Flinkier Motors Pty. Ltd., Dynon Rd., Kensington.	42126	Road Match	0m
PAINT &/OR VARNISH MFRS, &/OR DISTS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., South Kensington.	48829	Road Match	0m
PAINTERS, PAPERHANGERS &/OR DECORATORS.	Buckle Bros. Pty. Ltd.. 5 Dynon Rd., South Kensington.	48935	Road Match	0m
SHOP & OFFICE FITTINGS.	Buckle Bros. Pty. Ltd., 5 Dynon Rd., South Kensington.	55830	Road Match	0m
SIGN MFRS. &/OR DISTS.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd., South Kensington.	55942	Road Match	0m
TILES - FLOORING & WALL.	Genesis Importers, Kensington Rd., Kensington.	61105	Road Match	0m
WALLPAPER MERCHANTS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., South Kensington,.	64075	Road Match	0m
HANDBAG SPECIALISTS.	Bradman's Stores Pty. Ltd., Hopkins St., Footscray.	31320	Road Match	37m
MOTOR CAR &/OR TRUCK DEALERS.	Banks, Bob (Ford) Pty. Ltd., Hopkins St., Footscray.	42025	Road Match	37m
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Amoco Footscray, Hopkins St., Footscray,.	43479	Road Match	37m
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Shell Footscray, Hopkins St., Footscray.	44851	Road Match	37m
TRAVEL AGENCIES &/OR BOOKING OFFICES.	Concorde International Travel, 31 Hopkins St., Footscray,.	62503	Road Match	37m
TRAVEL GOODS - RETAIL.	Bradman's Stores Pty. Ltd., Hopkins St., Footscray.	62858	Road Match	37m

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

1980 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

1980 Business Directory Records
Premise or Road Intersection Matches

Records from the 1980 UBD 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
MOTOR SPRING MFRS. &/OR REPAIRERS.	Spicer & Dowling, 176 Kensington Rd., Footscray.	39999	Premise Match	0m	Onsite
STAINLESS STEEL MERCHANTS.	Commonwealth Steel Co. Ltd. 171-193 Kensington Road, Kensington.	51630	Premise Match	0m	Onsite
STAINLESS STEEL MERCHANTS.	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Rd., Kensington.	51631	Premise Match	0m	Onsite
STEEL MERCHANTS - ALLOY &/OR TOOL STEEL	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Rd., Kensington	52035	Premise Match	0m	Onsite
STEEL MERCHANTS & MANUFACTURERS.	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Bd., Kensington.	52086	Premise Match	0m	Onsite
TUNGSTEN CARBIDE MFRS. &/OR DISTS.	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Rd., Kensington.	55139	Premise Match	0m	Onsite
TUNGSTEN CARBIDE MFRS. &/OR DISTS.	Commonwealth Steel Company Ltd. 171 Kensington Road, Kensington.	55140	Premise Match	0m	Onsite
SKIN & HIDE MERCHANTS & DEALERS.	Tesar-Cooper, 1 Hobsons Rd., Kensington.	50165	Premise Match	95m	North East

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1980 Business Directory Records
Road or Area Matches

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Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ADVERTISING CONTRACTORS GENERAL.	Buckle Bros. Pty. Ltd., 5 Dynon Rd., Kensington.	2999	Road Match	0m
ADVERTISING SIGNS - ELECTRIC.	Buckle Bros. Pty. Ltd., 5 Dynon Rd., Kensington.	3014	Road Match	0m
ADVERTISING SIGNS - ELECTRIC.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd., Kensington.	3015	Road Match	0m
ADVERTISING SIGNS-ILLUMINATED.	Buckle Bros. Pty. Ltd., 5 Dynon Rd., Kensington.	3033	Road Match	0m
ADVERTISING SIGNS-ILLUMINATED.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd., Kensington.	3034	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Booth, L. S. Wine Transport Pty. Ltd., Sims St., Footscray.	13610	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	L.S. Booth Wine Transport Pty. Ltd. Sims Street, Footscray.	13646	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Lake Boga Transport Pty. Ltd. Melbourne Depot: Shell Terminal, Sims Street, Footscray.	13647	Road Match	0m
CONTRACTORS GENERAL.	Roche Bros. Pty. Ltd., 22 Dynon Rd., Kensington.	17082	Road Match	0m
DISPLAY SPECIALISTS.	Roche Bros. Pty. Ltd., 5 Dynon Rd., Kensington.	19070	Road Match	0m
EARTH MOVING &/OR EXCAVATION CONTRACTORS	Roche Bros. Pty. Ltd., 22 Dynon Rd., Kensington,	19722	Road Match	0m
EARTH MOVING EQUIPMENT HIRE.	Roche Bros. Pty. Ltd., 22 Dynon Rd., Kensington.	19640	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ENGINEERS-CIVIL.	Roche Bros. Pty. Ltd., 22 Dynon Rd., Kensington.	22034	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS.	Dependable Brakes Pty. Ltd., 7 Dynon Rd., Kensington.	38556	Road Match	0m
PAINT &/OR VARNISH MFRS. &/OR DISTS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., Kensington.	41725	Road Match	0m
PAINTERS, DECORATORS & SIGNWRITERS (MEMBER M.P.D.S. ASSOC. VIC).	Buckle Bros. Pty. Ltd., 5 Dynon Rd., Kensington.	41823	Road Match	0m
PAINTERS, DECORATORS & SIGNWRITERS (MEMBER M.P.D.S. ASSOC. VIC).	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., Kensington.	41912	Road Match	0m
PLASTIC ILLUMINATEDSIGN MFRS.	Buckle Bros. Ltd., 5 Dynon Rd., West Melbourne.	45085	Road Match	0m
ROADMAKING CONTRACTORS.	Roche Bros. Pty. Ltd., 22 Dynon Rd., Kensington.	48604	Road Match	0m
VARNISH & STAIN MANUFACTURERS.	Smith, S; & Co. Pty. Ltd., 1 Dynon Rd., Kensington.	55614	Road Match	0m
WOOL SCOURERS.	Woolscourers (Vic.) Pty. Ltd., Dynon Rd., West Melbourne.	56608	Road Match	0m

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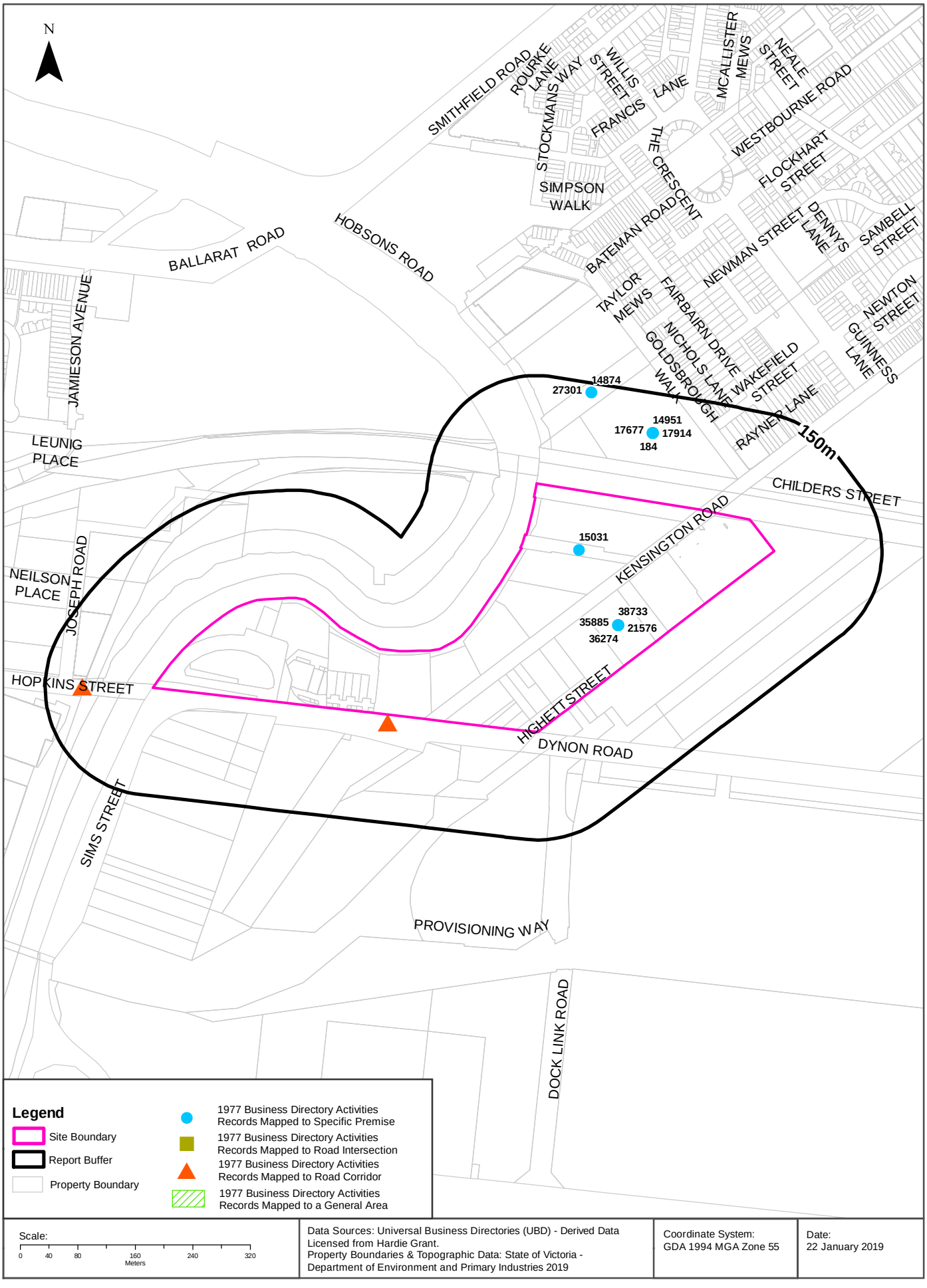
1977 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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Premise or Road Intersection Matches

Records from the 1977 UBD 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
FIBROUS PLASTER MFRS. &./OR CONTRACTORS.	Nelson Ernest Pty. Ltd., 176 Kensington Rd., Footscray.	15031	Premise Match	0m	Onsite
IRON &/OR STEEL MFRS. &/OR MERCHANTS.	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Rd.. Kensington	21576	Premise Match	0m	Onsite
STAINLESS STEEL MERCHANTS.	Commonwealth Steel Co. Ltd., 171-193 Kensington Road, Kensington.	35885	Premise Match	0m	Onsite
STAINLESS STEEL MERCHANTS.	Commonwealth Steel Co. Pty. Ltd ., 171 Kensington Rd., Kensington.	35888	Premise Match	0m	Onsite
STEEL MERCHANTS & MANUFACTURERS.	Commonwealth Steel Co. Ltd., 171-193 Kensington Road, Kensington.	36291	Premise Match	0m	Onsite
STEEL MERCHANTS-ALLOY &/OR TOOL STEEL	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Rd.. Kensington.	36278	Premise Match	0m	Onsite
STEEL MERCHANTS-ALLOY &/OR TOOL STEEL	Commonwealth Steel Company Ltd., 171-193 Kensington Road, Kensington.	36274	Premise Match	0m	Onsite
TUNGSTEN-CARBIDE MFRS.& /OR DISTS.	Commonwealth Steel Co. Pty. Ltd., 171 Kensington Rd . Kensington	38733	Premise Match	0m	Onsite
ADHESIVES MFRS. &/OR DISTS.	Davis Gelatine (Aust) Pty. Ltd., 1 Hobsons Rd., South Kensington.	182	Premise Match	95m	North East
ADHESIVES MFRS. &/OR DISTS.	Glues & By-Products Pty. Ltd., 1 Hobsons Rd.. South Kensington. Melbourne.	184	Premise Match	95m	North East
FERTILIZER SUPPLIES.	Davis Gelatine (Aust) Pty. Ltd., 1 Hobsons Rd., South Kensington.	14951	Premise Match	95m	North East
GELATINE MFRS.	Davis Gelatine (Aust) Pty. Ltd., 1 Hobsons Rd., South Kensington.	17677	Premise Match	95m	North East
GLUE MFRS.	Davis Gelatine (Aust) Pty. Ltd., 1 Hobsons Rd., South Kensington.	17914	Premise Match	95m	North East
GLUE MFRS.	Glues & By-Products Pty. Ltd., 1 Hobsons Rd., South Kensington.	17915	Premise Match	95m	North East
OILS-NEATSFOOT MFRS.	Davis Gelatine (Aust) Pty. Ltd., 1 Hobsons Rd.. South Kensington.	27551	Premise Match	95m	North East
PAINT & VARNISH MERCHANTS.	Enwhite Pty. Ltd., 1 Hobsons Rd., South Kensington.	27874	Premise Match	95m	North East
SWIMMING POOL CHEMICAL SUPPLIES	Enwhite Pty. Ltd., 1 Hobsons Rd., South Kensington.	36692	Premise Match	95m	North East
FELT MFRS.&/OR DISTS.	Hallmark Industries., 41 Hobsons Rd., South Kensington.	14874	Premise Match	137m	North
NON-WOVEN FABRICS MFRS.	Hallmark Industries., 41 Hobsons Rd, South Kensington.	27301	Premise Match	137m	North

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

1977 Business Directory Records
Road or Area Matches

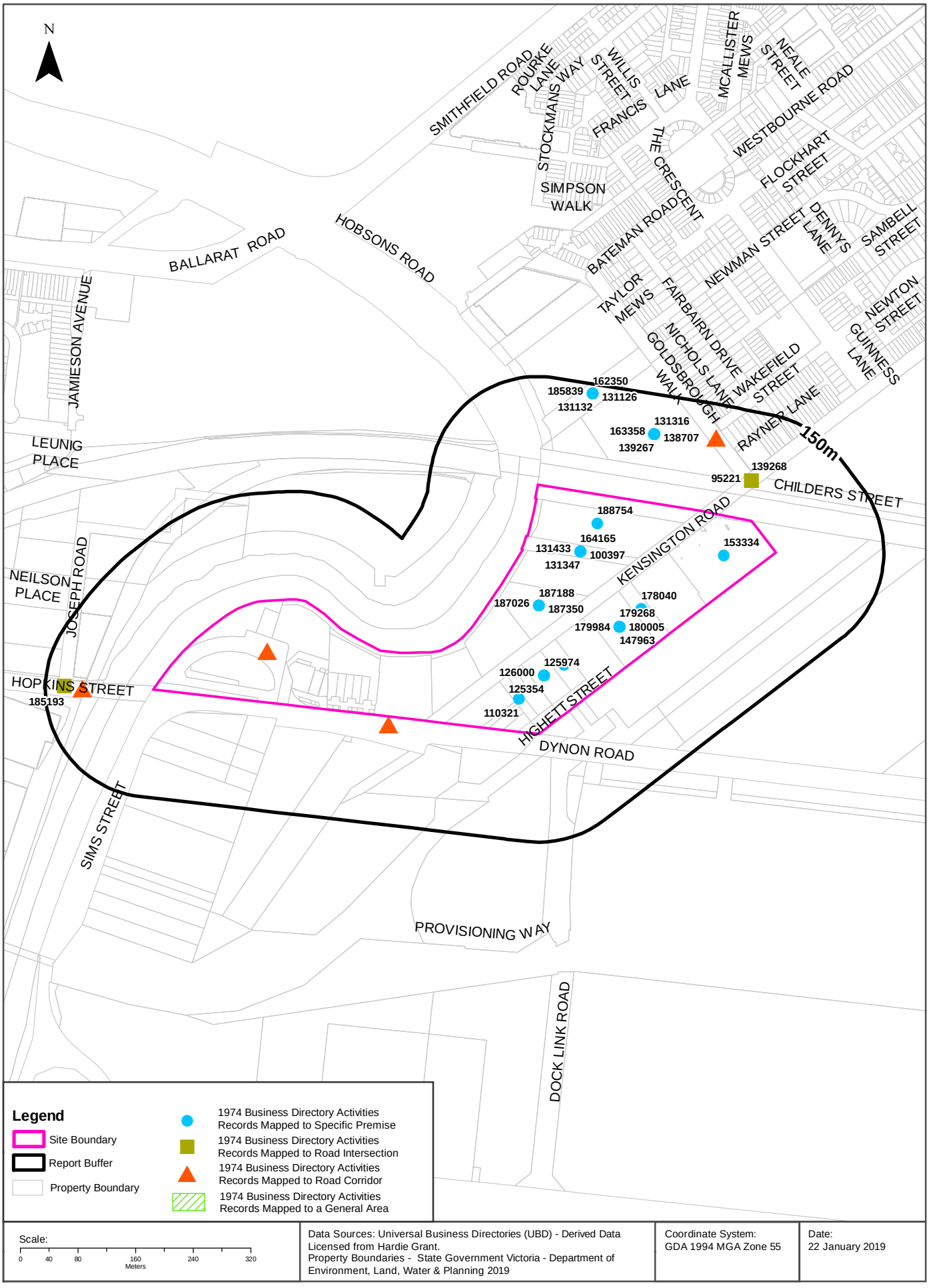
Records from the 1977 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ADVERTISING CONTRACTORS-GENERAL.	Buckle Bros, Pty. Ltd., 5 Dynon Rd., South Kensington.	252	Road Match	0m
ADVERTISING SIGNS - ILLUMINATED. .	Buckle Bros, Pty. Ltd., 5 Dynon Rd. South Kensington.	315	Road Match	0m
ADVERTISING SIGNS - ILLUMINATED. .	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd., Kensington.	316	Road Match	0m
ADVERTISING SIGNS-ELECTRIC.	Buckle Bros, Pty. Ltd., 5 Dynon Rd.. South Kensington.	304	Road Match	0m
ADVERTISING SIGNS-ELECTRIC.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd.. Kensington.	305	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Sadliers Transport Co. Pty. Ltd., 7 Dynon St., Kensington.	6405	Road Match	0m
CONTRACTORS GENERAL.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	9361	Road Match	0m
DISPLAY SPECIALISTS.	Buckle Bros, Pty. Ltd., 5 Dynon Rd., South Kensington.	10764	Road Match	0m
EARTH MOVING &/OR EXCAVATION CONTRACTORS.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	11335	Road Match	0m
EARTH MOVING EQUIPMENT-HIRE.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	11239	Road Match	0m
IRON &/OR STEEL MFRS. &/OR MERCHANTS.	Hume Steel Ltd., Dynon Rd., Footscray.	21583	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS.	Dependable Brakes Pty. Ltd., 7 Dynon Rd., South Kensington.	24099	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Scotts Service Station., Dynon Rd., Footscray.	25777	Road Match	0m
PAINT & VARNISH MFRS. &/OR DISTS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., South Kensington.	27838	Road Match	0m
PAINTERS, DECORATORS & SIGNWRITERS	Buckle Bros, Pty. Ltd., 5 Dynon Rd., South Kensington.	27941	Road Match	0m
PAINTERS, DECORATORS & SIGNWRITERS	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., South Kensington.	28095	Road Match	0m
PLASTIC ILLUMINATED SIGN MFRS.	Buckle Bros. Ltd ., 5 Dynon Rd., West Melbourne.	31008	Road Match	0m
ROADMAKING CONTRACTORS.	Roche Bros Pty. Ltd., 22 Dynon Rd , South Kensington.	33818	Road Match	0m
TRANSPORT SERVICES.	Lake City Freighters., Dynon Rd.. Footscray.	38513	Road Match	0m
VARNISH & STAIN MANUFACTURERS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., South Kensington.	39182	Road Match	0m
WOOL SCOURERS.	Woolscourers (Vic.) Pty. Ltd., Dynon Rd., West Melbourne.	40042	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Shell Oil Footscray., Hopkins St.. Footscray.	25858	Road Match	37m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Amoco Footscray., Hopkins St.. Footscray.	24632	Road Match	37m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Caltex Oil Footscray., Hopkins St.. Footscray.	25120	Road Match	37m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Golden Fleece Footscray., Hopkins St., Footscray.	25414	Road Match	37m

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

1974 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Data Sources: Universal Business Directories (UBD) - Derived Data Licensed from Hardie Grant.
Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning 2019

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

1974 Business Directory Records
Premise or Road Intersection Matches

Records from the 1974 UBD 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
BOOT &/OR SHOE PAFRS, SUPPLIES.	Nelson, Ernest Pty. Ltd., 176 Kensington Rd., Footscray.	100397	Premise Match	0m	Onsite
CARRIERS &/OR CARTAGE CONTRACTORS.	Phillips, W. O., Interstate Transports, 209 Kensington Rd., Footscray.,	110321	Premise Match	0m	Onsite
ELECTRICAL ENGINEERS.	Batebilt Pty. Ltd., 201 Kensington Rd., West Melbourne.	125354	Premise Match	0m	Onsite
ELECTRICAL SWITCHBOARD MATERIALS &/OR EQUIPMENT MFRS. &/OR DISTS.	Batebilt Pty. Ltd., 201 Kensington Rd., West Melbourne.	126000	Premise Match	0m	Onsite
ELECTRICAL SWITCHBOARD MFRS.	Batebilt Pty. Ltd., 201 Kensington Rd., West Melbourne.	125974	Premise Match	0m	Onsite
FIBRE BOARD MFRS. & PROCESSORS.	Nelson, Ernest Pty. Ltd., 176 Kensington St. Footscray.	131347	Premise Match	0m	Onsite
FIBROUS PLASTER MFRS. &/OR CONTRACTORS.	Nelson Ernest Pty. Ltd., 176 Kensington Rd., Footscray.	131433	Premise Match	0m	Onsite
IRON &/OR STEEL MFRS. &/OR MERCHANTS.	Commonwealth Steel Co. Ltd., 171 Kensington Rd., Kensington.	147963	Premise Match	0m	Onsite
METAL PRESSERS &/OR STAMPERS.	Fielding Springs Pty. Ltd., 133 Kensington Rd., Kensington.	153334	Premise Match	0m	Onsite
PAPERBOARD MFRS.	Nelson., Ernest Pty. Ltd., 176 Kensington Rd., Footscray.	164165	Premise Match	0m	Onsite
PAVING CONTRACTORS.	Dalmonte Industries Pty. Ltd., 197 Kensington Rd., South.	164846	Premise Match	0m	Onsite
SOAP CANDLE &/OR GLYCERINE MFRS.	Dirtdistrial Soaps & By-Products, 167 Kensington Rd., Footscray.	178040	Premise Match	0m	Onsite
STAINLESS STEEL MERCHANTS.	Commonwealth Steel Co. Ltd. 171-193 Kensington Road, Kensington.	179268	Premise Match	0m	Onsite
STAINLESS STEEL MERCHANTS.	Commonwealth Steel Co. Ltd., 171 Kensington Rd., Kensington.	179272	Premise Match	0m	Onsite
STEEL MERCHANTS & MANUFACTURERS.	Commonwealth Steel Co. Ltd. 171-193 Kensington Rd.	180005	Premise Match	0m	Onsite
STEEL MERCHANTS & MANUFACTURERS.	Commonwealth Steel Co. Ltd., 171 Kensington Rd., Kensington.	180022	Premise Match	0m	Onsite
STEEL MERCHANTS-ALLOY &/OR TOOL STEEL.	Commonwealth Steel Co. Ltd., 171 Kensington Rd., Kensington.	179984	Premise Match	0m	Onsite
TERRAZZO WORKERS.	Durex Terrazzo ,L, Concrete, 201 Kensington Rd., South Kensington.	182269	Premise Match	0m	Onsite
TRAVEL GOODS MFRS.	Nelson, Ernest, Pty. Ltd.,176 Kensington Rd., Footscray.	185234	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS.	Rattray & Brown Pty. Ltd., 200 Kensington Rd., Footscray.	187026	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS.	Rattray & Brown Pty. Ltd., 200 Kensington Rd., Footscray.	187188	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS.	Rattray & Brown Pty. Ltd., 200 Kensington Rd., Footscray.	187350	Premise Match	0m	Onsite
WOOL SCOURERS.	Dodd & Co. Pty. Ltd., 166 Kensington Rd., South Kensington.	188754	Premise Match	0m	Onsite
ADHESIVES MFRS &/OR DISTS	Glues & By-Products Pty. Ltd., Hobson Rd., South Kensington.,	95221	Road Intersection	55m	North East
GLUE MFRS.	Glues & By-Products Pty. Ltd., Hobsons Rd., South Kensington.	139268	Road Intersection	55m	North East
ADHESIVES MFRS &/OR DISTS	Davis Gelatine (Aust.) Pty. Ltd., 1 Hobsons Rd., South Kensington.	95220	Premise Match	95m	North East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
FERTILIZER SUPPLIES.	Davis Gelatine (Aust.) Pty. Ltd., 1 Hobsons Rd., South Kensington.	131316	Premise Match	95m	North East
GELATINE WAS.	Davis Gelatine (Aust) Pty. Ltd., 1 Hobson Rd., South Kensington.	138707	Premise Match	95m	North East
GLUE MFRS.	Davis Gelatine (Aust.) Pty. Ltd., 1 Hobson's Rd., South Kensington.	139267	Premise Match	95m	North East
PAINT & VARNISH MERCHANTS.	Enwhite Pty. Ltd., 1 Hobsons Rd., South Kensington.	163358	Premise Match	95m	North East
STEVEDORES.	Davis Gelatine(Aust.) Pty. Ltd., 1 Hobsons Rd., South Kensington.	180347	Premise Match	95m	North East
SWIMMING POOL CHEMICAL SUPPLIES.	Enwite Pty. Ltd., 1 Hobsons Rd., South Kensington.	180812	Premise Match	95m	North East
TRANSPORT SERVICES INTERSTATE.	All State Transport Service Pty. Ltd., Hopkins St., Footscray.	185193	Road Intersection	124m	West
BONDED WADDINGS & CARPET UNDERLAYS.	Hallmark Industries, 41 Hobsons Rd, South Kensington.	131132	Premise Match	137m	North
FELT MFRS. &/OR DISTS.	Hallmark Industries 41 Hobsons Road South Kensington.,	131126	Premise Match	137m	North
NON-WOVEN FABRICS MFRS.	Hallmark Industries 41 Hobsons Road South Kensington.,	162351	Premise Match	137m	North
NON-WOVEN FABRICS MFRS.	Hallmark Industries, 41 Hobsons Rd., South Kensington.	162350	Premise Match	137m	North
UNDERFELT MFRS. &/OR DISTS.	Hallmark Felts Pty. Ltd., 41 Hobsons Rd., South Kensington.	185839	Premise Match	137m	North

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

1974 Business Directory Records Road or Area Matches

Records from the 1974 UBD 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
ADVERTISING AGENTS-OUTDOOR.	Buckle Outdoor Advertising Pty. Ltd., 5 Dynon Rd., South Kensington.	95320	Road Match	0m
ADVERTISING CONTRACTORS-GENERAL.	Buckle Bros., Co. Pty. Ltd., 5 Dynon Rd., South Kensington.	95338	Road Match	0m
AUTOMOTIVE & GENERAL ENGINEERS.	Silver Repair Service Pty. Ltd., 7 Dynon Rd., South Kensington.	97753	Road Match	0m
BATTERY DISTS.	B.P. Batteries Pty. Ltd., 7 Dynon Rd., South Kensington.	99189	Road Match	0m
BATTERY SUPPLIES &/OR SERVICE.	B.P. Batteries Pty. Ltd., 7 Dynon Rd., South Kensington.	99224	Road Match	0m
BEDSPREAD MFRS.	King, H. A. & Co., Dynon Rd., Footscray.	99401	Road Match	0m
BONDED WADDINGS & CARPET UNDERLAYS.	F. & T. Industries Ltd., Dynon Rd., Footscray.	131131	Road Match	0m
CARAVAN HIRERS.	Leons Luxury Caravans & Camping Trailer, 3 Dynon Rd., South Kensington.	109032	Road Match	0m
CARPORT & /OR AWNING MFRS.	F. & T. Spinning, Dynon Rd., Footscray.	109610	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Brown & Mitchell Transport Service, Dynon Rd., South Kensington.	109746	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Deep's Transport Service, Sims St., Footscray.	109858	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Rahaley, J., (Vic.) Pty. Ltd., Dynon Rd., South Kensington.	110355	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	110390	Road Match	0m
CONTRACTORS GENERAL.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	118480	Road Match	0m
DRUM & KEG MERCHANTS & MFRS.	Russell & Mcdonald Pty. Ltd., 14 Dynon Rd., Kensington.,	123391	Road Match	0m
EARTH MOVING &/OR EXCAVATION CONTRACTORS.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	123972	Road Match	0m

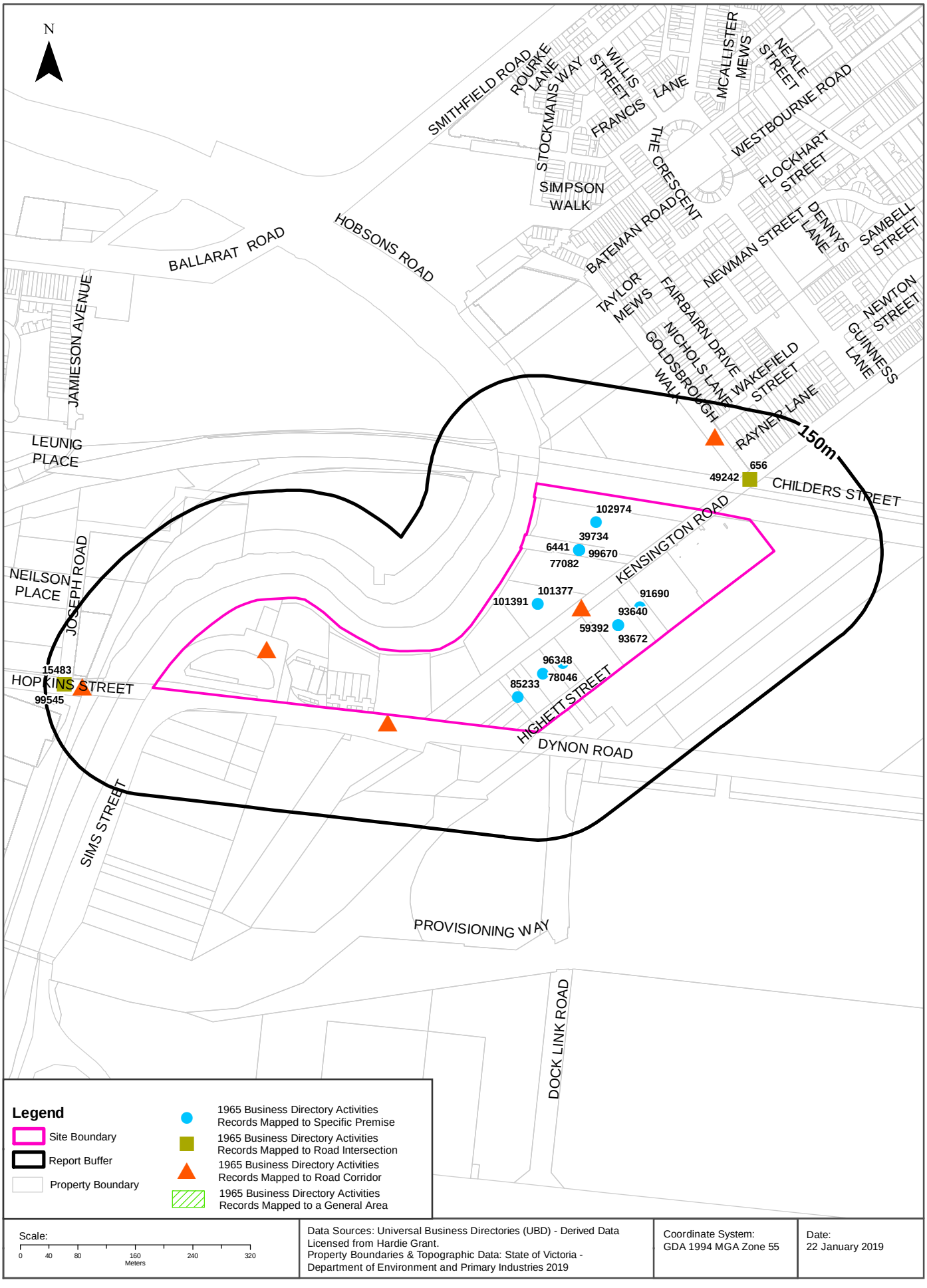
Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
EARTH MOVING EQUIPMENT MFRS. &/OR DISTS.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	123873	Road Match	0m
EARTH MOVING EQUIPMENT-HIRE.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	123807	Road Match	0m
ELECTRICAL INSULATING MATERIALS MFRS. &/OR. DISTS	King, H. A. & Co. (Camping Equipt.), Dynon Rd., Footscray.	125691	Road Match	0m
ENGINEERS-CIVIL.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	127008	Road Match	0m
FURNITURE MFRS. -KITCHEN.	Ball & Jorgensen, Dynon Rd., South Kensington.	137503	Road Match	0m
IRON &/OR STEEL MFRS. &/OR MERCHANTS.	Hume Steel Ltd., Dynon Rd., Footscray.	147976	Road Match	0m
MESSENGER SERVICES,	City & Suburban Messenger Service, Dynon Rd., Kensington.	153141	Road Match	0m
MOTOR BODY REPAIRERS.	Silver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington.	155042	Road Match	0m
MOTOR BODY REPAIRERS.	Werchon, E. G., 7 Dyron Rd., South Kensington.	155099	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS.	Dependable Brakes Pty. Ltd., 7 Dynon Rd., South Kensington.	155140	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS.	Silver Repair Service Pty. Ltd., 7 Dynon Rd., South Kensington.	157303	Road Match	0m
MOTOR PAINTERS.	Silver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington.	157831	Road Match	0m
MOTOR PANEL BEATERS.	Silver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington.	158252	Road Match	0m
MOTOR PASSENGER SERVICES.	Victoria Dock Bus Co. Pty. Ltd., 3 Dynon Rd., South Kensington.	158410	Road Match	0m
MOTOR SERVICE STATIONS - PETROL, OIL.	Scotts Service Station, Dynon Rd., Footscray.	160267	Road Match	0m
MOTOR TRIMMERS.	Silver Trimming Service, 7 Dynon Rd., South Kensington.	161102	Road Match	0m
PAINT & VARNISH MFRS.	Smith, S. & Co. Pty. Ltd., Dynon Rd., South Kensington.	163276	Road Match	0m
PAINTERS, DECORATORS & SIGNWRTERS.	Buckle Bros. Pty. Ltd., S Dynon Rd., Kensington South.	163537	Road Match	0m
PAINTERS, DECORATORS & SIGNWRTERS.	Smith, S. & Co. Pty. Ltd., 1 Dynon Rd., Kensington South.	163795	Road Match	0m
PET &/ OR PET FOOD SHOPS.	Animal Food Industries, Dynon Rd., Footscray.	165014	Road Match	0m
PET &/ OR PET FOOD SHOPS.	Pixie Pet Foods, Dynon Rd., Footscray.	165050	Road Match	0m
PLASTIC ILLUMINATED SIGN MFRS.	Buckle Neon Co. Pty. Ltd., 5 Dynon Rd., West Melbourne.	168672	Road Match	0m
ROADMAKING CONTRACTORS.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	174106	Road Match	0m
SECOND-HAND DEALERS.	Newman, L. & H., Dynon Rd., South Kensington.	176191	Road Match	0m
SHOP &/OR OFFICE FITTERS.	Ball A Jorgensen, Dynon Rd., South Kensington.	177315	Road Match	0m
SIGNWRITERS.	Buck"s Bros. Pty. Ltd., 5 Dynon Rd., South Kensington.	177607	Road Match	0m
SKIN & HIDE MERCHANTS & DEALERS.	Colyer, Watson, Pty. Ltd., Dynon Rd., South Kensington.	177846	Road Match	0m
TAXI-CAB METERS.	Mcgregor, A. K., Maintenance Installations, 5 Dynon Rd., South Kensington.,	181705	Road Match	0m
TRANSPORT SERVICES.	Challenge Transport Pty. Ltd., Dynon Rd., South Kensington.	185103	Road Match	0m
TRANSPORT SERVICES.	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington.	185166	Road Match	0m
VARNISH & STAIN MANUFACTURERS.	Smith, S., & Co. Pty. Ltd., 1 Dynon Rd., South Kensington.	186580	Road Match	0m
WOOL & TEXTILE WASTE MERCHANTS.	Dynon Fabrics Pty. Ltd., Dynon Rd., Footscray.	188800	Road Match	0m
WOOL CARBONISERS.	Pacific Wools (Aust.), Dynon Rd., Footscray.	188736	Road Match	0m
WOOL SCOURERS.	River Wool Scouring Co. Pty. Ltd., Dynon Rd., Footscray.	188759	Road Match	0m
WOOL SCOURERS.	Woolscourers (Victoria) Pty. Ltd., Dynon Rd., West Melbourne.	188764	Road Match	0m
BOTTLE MERCHANTS &/OR DEALERS.	Reidy, W. J., 65 Hopkins St., Footscray.	101730	Road Match	37m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
CHEMISTS-RETAIL.	Moss, A. S., Hopkins St., Footscray.	112255	Road Match	37m
CHIROPODISTS.	Scholl Foot Care, Hopkins St., Footscray.	113360	Road Match	37m
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL.	Lapford & Co., Hoskins St., Footscray.	128172	Road Match	37m
HALLS-REGISTERED.	Orama, Hopins St., Footscray.	143689	Road Match	37m
MOTOR SERVICE STATIONS - PETROL, OIL.	Caltex Oil Footscray, Hopkins St., Footscray	159497	Road Match	37m
ROAD TRANSPORT SERVICES-INTERSTATE.	Mainline Transport Pty. Ltd., Hopkins St., Footscray.	174042	Road Match	37m
TOY MFRS. &/OR. W/SALERS.	Lapford & Co., Hopkins St., Footscray.	184513	Road Match	37m
WOOL CARBONISERS.	Mimosa Scouring & Carbonising Co. Pty. Ltd., Hobsons Rd., South Kensington.	188734	Road Match	52m

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

1965 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

1965 Business Directory Records
Premise or Road Intersection Matches

Records from the 1965 UBD 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
BOOT & SHOE MANUFACTURERS' SUPPLIES	Nelson, Ernest, Pty. Ltd., 176 Kensington Rd., Footscray	6441	Premise Match	0m	Onsite
FIBRE BOARD MFRS. & PROCESSORS	Nelson, Ernest, Pty. Ltd., 176-214 Kensington Rd., Footscray	39734	Premise Match	0m	Onsite
IRON & STEEL MERCHANTS	Commonwealth Steel Co. Ltd., 171 Kensington Rd., Kensington	59392	Premise Match	0m	Onsite
PAPER BOARD MANUFACTURERS	Nelson Ernest Pty Ltd., 176-214 Kensington Rd., Footscray	77080	Premise Match	0m	Onsite
PAPER BOARD MANUFACTURERS	Nelson, Ernest, Pty. Ltd., 176-214 Kensington Rd., Footscray	77082	Premise Match	0m	Onsite
PAVING CONTRACTORS	Dalmonte Industries Pty. Ltd., 197 Kensington Rd., South Kensington	78046	Premise Match	0m	Onsite
RABBIT MERCHANTS	Simmons, S. F., Pty. Ltd., 209 Kensington Rd., Footscray	85233	Premise Match	0m	Onsite
SOAP, CANDLE, TALLOW & GLYCERINE MANUFACTURERS	Industrial Soaps & By-products., 167 Kensington Rd., Footscray	91690	Premise Match	0m	Onsite
STEEL MERCHANTS AND MNFRS.	Commonwealth Steel Co Ltd., 171-193 Kensington Rd., Kensington	93640	Premise Match	0m	Onsite
STEEL MERCHANTS AND MNFRS.	Commonwealth Steel Co. Ltd., 171-173 Kensington Rd., Kensington	93672	Premise Match	0m	Onsite
TERRAZZO WORKERS	Durex Terrazzo & Concrete., 201-205 Kensington Rd., Sth. Kensington	96348	Premise Match	0m	Onsite
TRAVEL GOODS MANUFACTURERS	Nelson, Ernest, Pty. Ltd., 176 Kensington Rd., Footscray	99670	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS	Rattray & Brown Pty Ltd., 200 Kensington Rd., Footscray	101377	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS	Rattray & Brown Pty. Ltd. (Paper)., 200 Kensington Rd.,	101391	Premise Match	0m	Onsite
WOOL SCOURERS	Dodd & Co. Pty. Ltd., 166 Kensington Rd., South Kensington	102974	Premise Match	0m	Onsite
ADHESIVE MANUFACTURERS	Glues & By-Products Pty. Ltd., Cnr. Hobson & Footscray Rds.,South Kensington	656	Road Intersection	55m	North East
GLUE MANUFACTURERS	Glues & By-Products Pty. Ltd., Hobsons Rd., Kensington	49242	Road Intersection	55m	North East
CARRIERS &. CARTAGE CONTRACTORS	Mainline Transport Pty. Ltd., Cnr. Hopkins St.& Maribyrnong Rd., Footscray	15483	Road Intersection	124m	West
TRANSPORT SERVICES-INTERSTATE	All State Transport Service Pty. Ltd., Cnr. Hopkins & Maribyrnong Sts., Footscray	99545	Road Intersection	124m	West

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Road or Area Matches

Records from the 1965 UBD 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
AUTOMOTIVE ENGINEERS	Silver Repair Service Pty. Ltd., 7 Dynon Rd., South Kensington	3208	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
BATTERY MANUFACTURERS	B.P. Batteries Pty. Ltd., 7 Dynon Rd., South Kensington	4980	Road Match	0m
BATTERY SALES & SERVICE	B.P. Batteries Pty. Ltd., 7 Dynon Rd., South Kensington	5011	Road Match	0m
BEDSPREAD MANUFACTURERS	King H A & Co Dynon Rd., Footscray, Vic.	5177	Road Match	0m
BEDSPREAD MANUFACTURERS	King, H. A., & Co., Dynon Rd., Footscray	5181	Road Match	0m
BRAKE SPECIALISTS	Dependable Brakes Pty Ltd., 7 Dynon Rd., South Kensington	7976	Road Match	0m
BUILDING FOUNDATION CONTRACTORS	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	10273	Road Match	0m
CAN MAKERS	Russell & McDonald Pty. Ltd., 14 Dynon Rd., Kensington	13976	Road Match	0m
CANVAS GOODS & CAMPING EQUIPMENT	King, H. A., & Co., Dynon Rd., Footscray	14078	Road Match	0m
CARAVAN HIRERS	Leons Luxury Caravans & Camping Trailers .,3 Dynon Rd., South Kensington	14223	Road Match	0m
CARPET YARNS	Preston Wools (Aust)Pty Ltd .,Dynon Rd., Footscray, Vic.	14745	Road Match	0m
CARPET YARNS	Preston Wools (Aust.) Pty. Ltd., Dynon Rd., Footscray	14747	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Bail, G. E. V., Dynon Rd., West Melb	14837	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Barlow Transport Pty. Ltd., Dynon Rd., Footscray	14855	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Brown & Mitchell Transport Service., Dynon Rd., South Kensington	14925	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Duryea, John, Prices Depot., Sims St, Footscray	15106	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Houlder, Geo., Pty. Ltd., Dynon Rd., South Kensington	15305	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Rahaley, J. (Vic.) Pty. Ltd., Dynon Rd., South Kensington	15680	Road Match	0m
CARRIERS & CARTAGE CONTRACTORS	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	15716	Road Match	0m
CARRIERS AND CARTAGE CONTRACTORS	Barlow Transport Pty Ltd .,Dynon Rd., Footscray	14756	Road Match	0m
CARRIERS AND CARTAGE CONTRACTORS	John Duryea Prices Depot., Sims Street Footscray	15103	Road Match	0m
CONTRACTORS-GENERAL	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	25862	Road Match	0m
DRUM & KEG MERCHANTS & MFRS	Russell & Mcdonald Pty. Ltd., 14 Dynon Rd., Kensington	31398	Road Match	0m
EARTH MOVING & EXCAVATING CONTRACTORS	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	31859	Road Match	0m
EARTH MOVING EQUIPMENT	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	31925	Road Match	0m
EARTH MOVING EQUIPMENT FOR HIRE	Roche Bros. Pty. Ltd.,22 Dynon Rd., South Kensington	31969	Road Match	0m
ELECTRICAL INSULATING MATERIALS	Kino, H. A., & Co. (Camping Equipt.)., Dynon Rd., Footscray	33898	Road Match	0m
ENGINEERS-CIVIL	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	35590	Road Match	0m
EXPORTERS	Colyer Watson Pty Ltd., Office & Stores: Dynon Rd., South Kensington	38876	Road Match	0m
EXPORTERS	Colyer, Watson Pty. Ltd., Dynon Rd., South Kensington	38957	Road Match	0m
EXPORTERS	Newman, L. & M., Pty. Ltd., Dynon Rd., South Kensington	39112	Road Match	0m
FOUNDERS-NON-FERROUS	Newman, L. & M., Pty. Ltd., Dynon Rd., South Kensington	42434	Road Match	0m
FURNITURE MANUFACTURERS & WHOLESALERS	Ball &Jorgensen., Dynon Rd., South Kensington	47060	Road Match	0m
IMPORTERS	Newman, L. & M., Pty. Ltd., Dynon Rd., Sth. Kensington	58194	Road Match	0m
INTERSTATE & LOCAL HAULAGE CONTRACTOR	Barlow Transport Pty. Ltd .,Dynon Road Footscray	14774	Road Match	0m
KITCHEN FURNITURE MFRS	Ball & Jorgensen., Dynon Rd., South Kensington	60559	Road Match	0m
LACQUER SPRAYERS	Smith, S., &Co. Pty. Ltd., 1 Dynon Rd., S. Kensington	60959	Road Match	0m

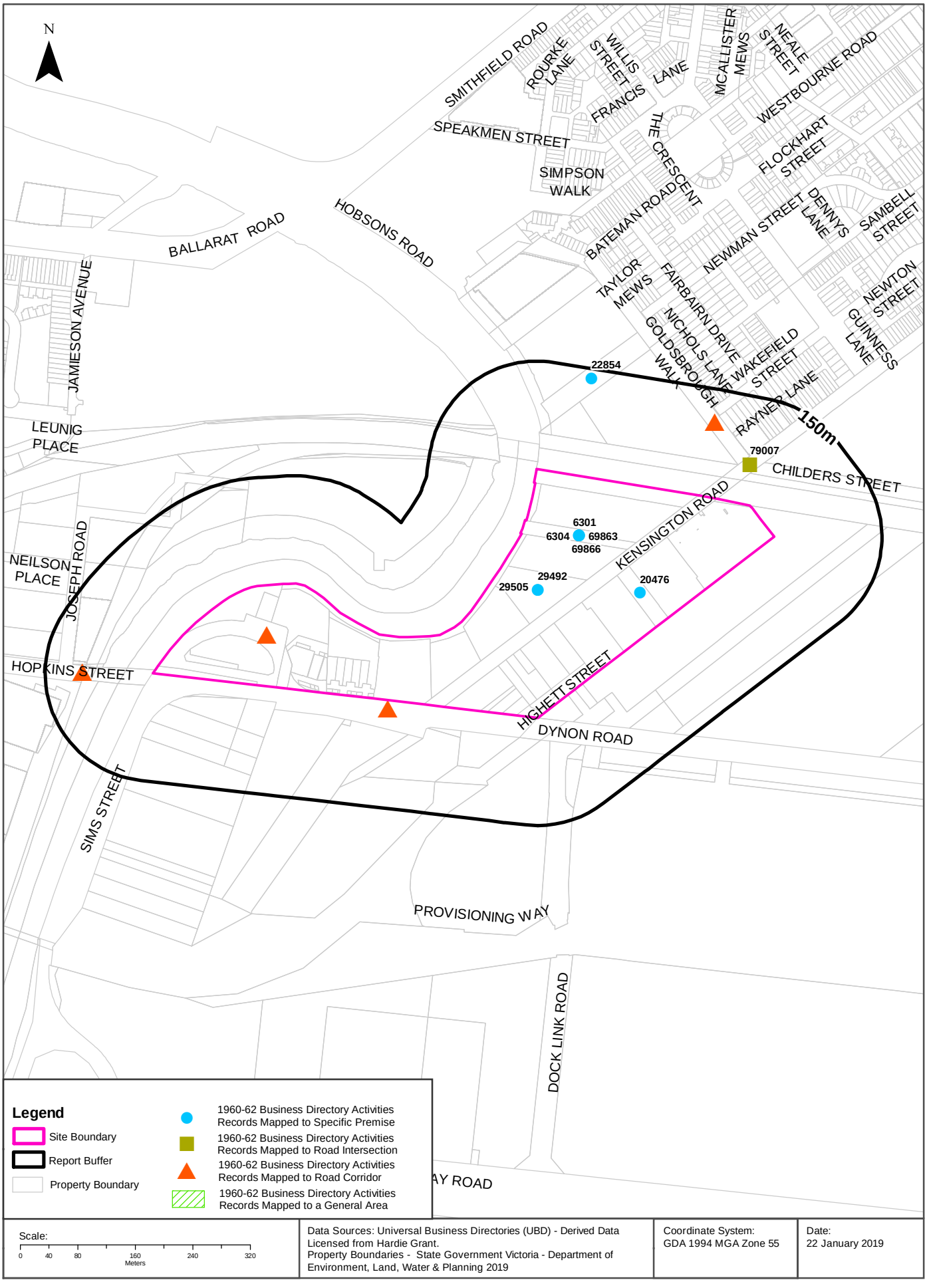
Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MATTRESS MANUFACTURERS	King H A & Co., Dynon Rd., Footscray,	64516	Road Match	0m
MATTRESS MANUFACTURERS	King, H. A., & Co., Dynon Rd., Footscray	64531	Road Match	0m
MOTOR BODY REPAIRERS	Silver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington	67366	Road Match	0m
MOTOR BODY REPAIRERS	Werchon, E. G., 7 Dynon Rd., South Kensington	67413	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS	Dependable Brakes Pty Ltd., 7 Dynon Rd., South Kensington	67429	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS	Dependable Brakes Pty. Ltd., 7 Dynon Rd., South Kensington	67444	Road Match	0m
MOTOR GARAGES & ENGINEERS	Silver Repair Service Pty. Ltd., 7 Dynon Rd., South Kensington	69644	Road Match	0m
MOTOR PAINTERS	Sliver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington	70199	Road Match	0m
MOTOR PANEL BEATERS	Silver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington	70587	Road Match	0m
MOTOR PASSENGER SERVICES	Victoria Dock Bus Co. Pty. Ltd., 3 Dynon Rd., South Kensington	70733	Road Match	0m
MOTOR SERVICE STATIONS-PETROL, ETC.	Scotts Service Station., Dynon Rd., Footscray	72646	Road Match	0m
MOTOR TRIMMERS	Silver Panel Service Pty. Ltd., 7 Dynon Rd., South Kensington	73357	Road Match	0m
MOTOR TRIMMERS	Silver Trimming Service., 7 Dynon Rd., South Kensington	73358	Road Match	0m
PAINT & VARNISH MANUFACTURERS	Smith, S., & Co. Pty. Ltd., Dynon Rd., South Kensington	75714	Road Match	0m
PETS' FOOD PROCESSORS	Processed Meats Pty Ltd., 369 Kensington Rd., Kensington	78292	Road Match	0m
QUILT MANUFACTURERS	King, A. H., & Co., Dynon Rd., Footscray,	85198	Road Match	0m
QUILT MANUFACTURERS	King, H. A., & Co., Dynon Rd., Footscray	85205	Road Match	0m
ROAD MAKING CONTRACTORS	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	87617	Road Match	0m
SAUSAGE CASING MANUFACTURERS	Oppenheimer Casing Co. of Aust. Pty. Ltd., Dynon Rd., Footscray	88498	Road Match	0m
SECONDHAND DEALERS	Newman, L. & M., Dynon Rd., South Kensington	89590	Road Match	0m
SHOP & OFFICE FITTERS	Ball & Jorgensen., Dynon Rd., South Kensington	90774	Road Match	0m
SLEEPING EQUIPMENT MNFRS.	King H A & Co., Dynon Rd., Footscray	91554	Road Match	0m
SLEEPING EQUIPMENT MNFRS.	King, H. A. & Co., Dynon Rd., Footscray	91557	Road Match	0m
SPINNING MILLS	Preston Wools (Aust.) Pty. Ltd., Dynon Rd., Footscray	92439	Road Match	0m
TALLOW AND SKIN MERCHANTS	Colyer, Watson Pty. Ltd., Dynon Rd., Kensington	95262	Road Match	0m
TALLOW, SKINS & HIDES	Colyer Watson Pty Ltd., Dynon Rd., Footscray	95281	Road Match	0m
TAXI METER MECHANICS	McGregor, A. K., 5 Dynon Rd., Kensington	95487	Road Match	0m
TEXTILE YARNS	Preston Wools (Aust) Pty. Ltd., Dynon Rd., Footscray	96710	Road Match	0m
TIMBER MERCHANTS & SAWMILLERS	West Melbourne Timber Co. Pty. Ltd., Dynon Rd., South Kensington	97566	Road Match	0m
TRANSPORT SERVICES	Challenge Transport Pty. Ltd., Dynon Rd., South Kensington	99450	Road Match	0m
TRANSPORT SERVICES	Kain & Shelton Ltd., Dynon Rd., North Melb.;	99487	Road Match	0m
TRANSPORT SERVICES	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	99521	Road Match	0m
VARNISH & STAIN MANUFACTURERS	Smith, S., & Co. Pty. Ltd., 1 Dynon Rd., South Kensington	100884	Road Match	0m
WELDERS-ELECTRIC & OXY-ACETYLENE	McDonald & Burke., Dynon Rd., South Kensington	101878	Road Match	0m
WOOL & TEXTILE WASTE MERCHANTS	Dynon Fabrics Pty. Ltd., Dynon Rd., Footscray	102815	Road Match	0m
WOOL SCOURERS	Jackson, W., & Co. Pty. Ltd., Sims St., Footscray	102976	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
WOOL SCOURERS	Pacific Wools (Aust)., Dynon Rd., Footscray	102981	Road Match	0m
WOOL SCOURERS	Pacific Wools (Australia)., Dynon Rd., Footscray, Vic.	102972	Road Match	0m
WOOL SCOURERS	River Wool Scouring Co. Pty. Ltd., Dynon Rd., Footscray	102983	Road Match	0m
WOOL SCOURING & DRYING MACHINERY	Woolscourers (Victoria) Pty. Ltd., Dynon Rd.,West Melb.	102995	Road Match	0m
WOOL. CARBONISERS	Pacific Wools (Aust.)., Dynon Rd., Footscray	102958	Road Match	0m
BOTTLE MERCHANTS & DEALERS	Reiay, W. J., 65 Hopkins St., Footscray	7788	Road Match	37m
HALLS	Orama., Hopkins St., Footscray	54561	Road Match	37m
MOTOR SERVICE STATIONS, PETROL, ETC.	Caltex Oil (Australia) Pty. Limited., Hopkins St. Footscray:	71833	Road Match	37m
REAL ESTATE AGENTS	Aiello, G., 19 Hopkins St. Footscray	86783	Road Match	37m
WOOL. CARBONISERS	Mimosa Scouring & Carbonising Co. Pty. Ltd., Hobsons Rd., South Kensington	102957	Road Match	52m

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

1960-62 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

1960-62 Business Directory Records
Premise or Road Intersection Matches

Records from the 1960-62 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Directory	Location Confidence	Distance to Feature Point	Direction
FIBRE BOARD MFRS. & PROCESSORS	Nelson, Ernest, Pty. Ltd., 176 Kensington Rd., Footscray	69866	Melbourne 1960	Premise Match	0m	Onsite
FIBRE BOARD MFRS. & PROCESSORS	Nelson-Ernest Pty Ltd 176-214 Kensington Rd., Footscray	69863	Melbourne 1960	Premise Match	0m	Onsite
PAPER BOARD MANUFACTURERS	Nelson Ernest Pty Ltd 176-214 Kensington Rd., Footscray	6301	Melbourne 1960	Premise Match	0m	Onsite
PAPER BOARD MANUFACTURERS	Nelson, Ernest, Pty. Ltd., 176-214 Kensington Rd., Footscray	6304	Melbourne 1960	Premise Match	0m	Onsite
SOAP, CANDLE, TALLOW & GLYCERINE MANUFACTURERS	Industrial Soaps & By-Products, 167-169 Footscray Rd., Kensington	20476	Melbourne 1960	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS	Rattray & Brown Pty Ltd 200 Kensington Rd., Footscray	29492	Melbourne 1960	Premise Match	0m	Onsite
WASTE PRODUCT MERCHANTS	Rattray & Brown Pty. Ltd. (Paper), 200 Kensington Rd., Footscray	29505	Melbourne 1960	Premise Match	0m	Onsite
GLUE MANUFACTURERS	Glues & By-Products Pty. Ltd., Hobsons Rd., Kensington	79007	Melbourne 1960	Road Intersection	55m	North East
STOCK FEED MANUFACTURERS	Meggitt Ltd., 41-45 Hobsons Rd., South Kensington	22854	Melbourne 1960	Premise Match	137m	North

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

1960-62 Business Directory Records
Road or Area Matches

Records from the 1960-62 UBD 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.	Directory	Location Confidence	Distance to Road Corridor or Area
BEDSPREAD MANUFACTURERS	King H A & Co Dynon Rd., Footscray	36618	Melbourne 1960	Road Match	0m
BEDSPREAD MANUFACTURERS	King, H. A., & Co., Dynon Rd., Footscray	36622	Melbourne 1960	Road Match	0m
BUILDING FOUNDATION CONTRACTORS	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	42296	Melbourne 1960	Road Match	0m
CAN MAKERS	Russell & McDonald. Pty. Ltd., 14 Dynon Rd., Kensington	45883	Melbourne 1960	Road Match	0m
CANVAS GOODS & CAMPING EQUIPMENT	King H A & Co Dynon Rd., Footscray	45934	Melbourne 1960	Road Match	0m
CANVAS GOODS & CAMPING EQUIPMENT	King, H. A., & Co., Dynon Rd., Footscray	45977	Melbourne 1960	Road Match	0m
CARAVAN HIRERS	Leon's Luxury Caravans & Trailers 3 Dynon Rd., South Kensington	46073	Melbourne 1960	Road Match	0m
CARAVAN HIRERS	Leons Luxury Caravans & Camping Trailers, 3 Dynon Rd., South Kensington	46096	Melbourne 1960	Road Match	0m
CARRIERS AND CARTAGE CONTRACTOR	Bail, G. E. V., Dynon Rd., West Melbourne.	46679	Melbourne 1960	Road Match	0m
CARRIERS AND CARTAGE CONTRACTOR	Brown & Mitchell Transport Service, Dynon Rd., South Kensington	46770	Melbourne 1960	Road Match	0m
CARRIERS AND CARTAGE CONTRACTOR	Challenge Transport Pty. Ltd., Dynon Rd., Sth. Kensington	46822	Melbourne 1960	Road Match	0m

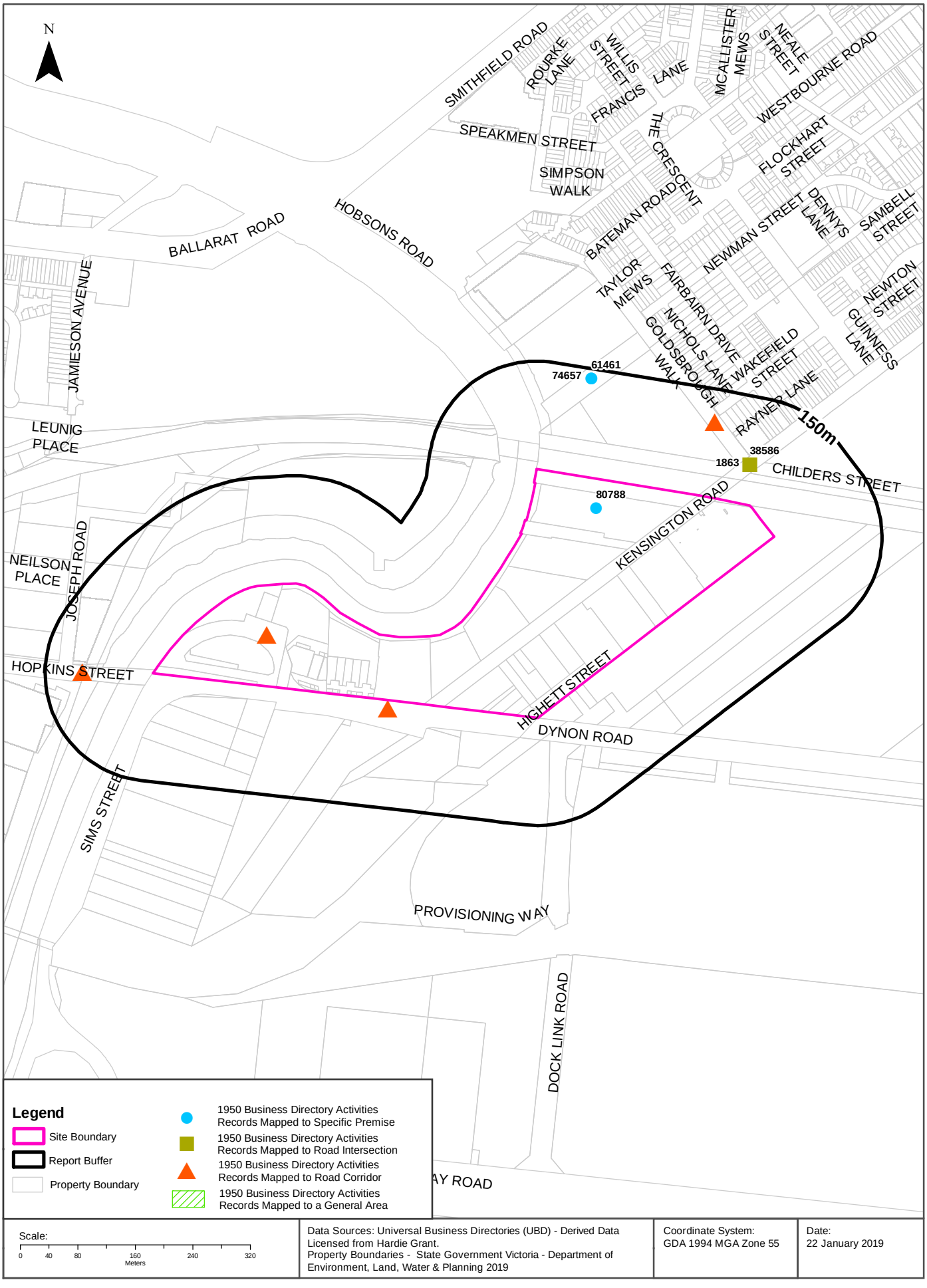
Business Activity	Premise	Ref No.	Directory	Location Confidence	Distance to Road Corridor or Area
CARRIERS AND CARTAGE CONTRACTOR	Rahaley, J. (Vic.) Pty. Ltd., Dynon Rd., South Kensington	47481	Melbourne 1960	Road Match	0m
CARRIERS AND CARTAGE CONTRACTOR	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	47518	Melbourne 1960	Road Match	0m
CONTRACTORS—GENERAL	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	57236	Melbourne 1960	Road Match	0m
DRUM & KEG MERCHANTS & MFRS.	Russell & McDonald Pty. Ltd., 14 Dynon Rd., Kensington	62668	Melbourne 1960	Road Match	0m
EARTH MOVING & EXCAVATING	Roche Bros Pty. Ltd., 22 Dynon Rd., South Kensington	62911	Melbourne 1960	Road Match	0m
EARTH MOVING EQUIPMENT	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	62973	Melbourne 1960	Road Match	0m
EARTH MOVING EQUIPMENT FOR HIRE	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	62999	Melbourne 1960	Road Match	0m
ELECTRICAL INSULATING MATERIALS	King, H. A., & Co. (Camping Equipt), Dynon Rd., Footscray	64734	Melbourne 1960	Road Match	0m
ENGINEERS-CIVIL	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	66170	Melbourne 1960	Road Match	0m
FELT MANUFACTURERS	Federal Felters, Dynon Rd., Footscray	69721	Melbourne 1960	Road Match	0m
FURNITURE MFRS. & WHLSRS.	Ball & Jorgensen, Dynon Rd., South Kensington	76967	Melbourne 1960	Road Match	0m
IMPORTERS	Newman, L. & M., Pty. Ltd., Dynon Rd., Sth. Kensington	88371	Melbourne 1960	Road Match	0m
IRON & STEEL MERCHANTS	Hume Steel Ltd., Dynon Rd., Footscray	89423	Melbourne 1960	Road Match	0m
KITCHEN FURNITURE MFRS.	Ball & Jorgensen, Dynon Rd., South Kensington	90544	Melbourne 1960	Road Match	0m
LACQUER SPRAYERS	Smith, S., & Co. Pty. Ltd., 1 Dynon Rd., S. Kensington	90897	Melbourne 1960	Road Match	0m
MATTRESS MANUFACTURERS	King, H. A., & Co., Dynon Rd., Footscray	94400	Melbourne 1960	Road Match	0m
MOTOR BODY REPAIRERS	Glenister, H. & L., Dynon Rd., Footscray	97026	Melbourne 1960	Road Match	0m
MOTOR BODY REPAIRERS	Silver Panel Service, 7 Dynon Rd., South Kensington	97203	Melbourne 1960	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS	Dependable Brakes Pty Ltd 7 Dynon Rd., Kensington	97263	Melbourne 1960	Road Match	0m
MOTOR BRAKE & STEERING SPECIALISTS	Dependable Brakes Pty. Ltd., 7 Dynon Rd., South Ken-sington	97281	Melbourne 1960	Road Match	0m
MOTOR ELECTRICIANS	C.J. Electric, 7 Dynon Rd., South Kensington	98451	Melbourne 1960	Road Match	0m
MOTOR GARAGES AND ENGINEERS	Glenister, H. & L., Dynon Rd., Footscray	974	Melbourne 1960	Road Match	0m
MOTOR PAINTERS	Silver Panel Service, 7 Dynon Rd., South Kensington	99566	Melbourne 1960	Road Match	0m
MOTOR PANEL BEATERS	McDonald & Burke, Dynon Rd., South Kensington	99882	Melbourne 1960	Road Match	0m
MOTOR PANEL BEATERS	Silver Panel Service 7 Dynon Rd., South Kensington	99629	Melbourne 1960	Road Match	0m
MOTOR PANEL BEATERS	Silver Panel Service, 7 Dynon Rd., South Kensington	100000	Melbourne 1960	Road Match	0m
MOTOR PASSENGER SERVICES	Victoria Dock Bus Co Pty Ltd 3 Dynon Rd., South Kensington	100100	Melbourne 1960	Road Match	0m
MOTOR PASSENGER SERVICES	Victoria Dock Bus Co. Pty. Ltd., 3 Dynon Rd., South Kensington	100171	Melbourne 1960	Road Match	0m
MOTOR SERVICE STATIONS, PETROL, ETC.	Dynon Service Station, Dynon Rd., South Kensington	2018	Melbourne 1960	Road Match	0m
PAINT & VARNISH MANUFACTURER	Smith, S., & Co. Pty. Ltd., Dynon Rd., South Kensington	5037	Melbourne 1960	Road Match	0m
QUILT MANUFACTURERS	King H A & Co Dynon Rd., Footscray	13966	Melbourne 1960	Road Match	0m
QUILT MANUFACTURERS	King, H. A., & Co., Dynon Rd., Footscray	13973	Melbourne 1960	Road Match	0m
ROAD MAKING CONTRACTORS	Roche Bros. Ptv. Ltd.. 22 Dynon Rd,. South Kensington	16639	Melbourne 1960	Road Match	0m
SECONDHAND DEALERS	Newman, L. & M., Dynon Rd., South Kensington	18413	Melbourne 1960	Road Match	0m
SHOP & OFFICE FITTERS	Ball & Jorgensen, Dynon Rd., South Kensington	19623	Melbourne 1960	Road Match	0m

Business Activity	Premise	Ref No.	Directory	Location Confidence	Distance to Road Corridor or Area
SPINNING MILLS	Baldwin Textiles, Dynon Rd, Footscray	21306	Melbourne 1960	Road Match	0m
SPINNING MILLS	Preston Wools (Aust.) Pty. Ltd., Dynon Rd., Footscray	21320	Melbourne 1960	Road Match	0m
TEXTILE YARNS	Preston Wools (Aust.) Pty. Ltd., Dynon Rd., Footscray	25235	Melbourne 1960	Road Match	0m
TRANSPORT SERVICES	Challenge Transport Pty. Ltd., Dynon Rd., South Kensington	27728	Melbourne 1960	Road Match	0m
TRANSPORT SERVICES	Kain & Shelton Ltd., Dynon Rd., North Melbourne	27762	Melbourne 1960	Road Match	0m
TRANSPORT SERVICES	Roche Bros. Pty. Ltd., 22 Dynon Rd., South Kensington	27787	Melbourne 1960	Road Match	0m
VARNISH & STAIN MANUFACTURERS	Smith, S., & Co. Pty. Ltd., 1 Dynon Rd., South Kensington	29036	Melbourne 1960	Road Match	0m
WELDERS-ELECTRIC & OXY-ACETYLENE	McDonald & Burke, Dynon Rd., South Kensington	29943	Melbourne 1960	Road Match	0m
WOOL & TEXTILE WASTE MERCHANTS	Dynon Fabrics Pty. Ltd., Dynon Rd., Footscray	30910	Melbourne 1960	Road Match	0m
WOOL SCOURERS	Jackson, W., & Co. Pty. Ltd., Sims St., Footscray	31078	Melbourne 1960	Road Match	0m
WOOL SCOURERS	River Wool Scouring Co. Pty. Ltd., Dynon Rd Footscray	31085	Melbourne 1960	Road Match	0m
BOTTLE MERCHANTS & DEALERS	Reidy, W. J., 65 Hopkins St., Footscray	39154	Melbourne 1960	Road Match	37m
CLOTHING—SECONDHAND	Herman, W., 89 Hopkins St., Footscray	53379	Melbourne 1960	Road Match	37m
DRESSMAKERS & COSTUMIERS	Oratch, Mrs. P., 105-107 Hopkin St., Footscray	62414	Melbourne 1960	Road Match	37m
ELECTRICAL SUPPLIES & APPLIANCES	Footscray Sports Depot, 192 Hopkins St., Footscray	64969	Melbourne 1960	Road Match	37m
FRUITERERS AND GREENGROCERS FOOTSCRAY	Price, E. H., 155 Hopkins St.	74431	Melbourne 1960	Road Match	37m
HAIRDRESSERS (LADIES') & BEAUTY SALONS	Naloll, C 33 Hopkins St., Footscray	84243	Melbourne 1960	Road Match	37m
HALLS	Orama, Hopkins St., Footscray	84757	Melbourne 1960	Road Match	37m
SECONDHAND DEALERS	Herman, W., 89 Hopkins St, Footscray	18288	Melbourne 1960	Road Match	37m
SKIN & HIDE MERCHANTS & DEALERS	Fink, J. B., & Co., Hobson Rd., South Kensington	20288	Melbourne 1960	Road Match	52m
WOOL CARBON ISERS	Mimosa Scouring & Carbonising Co. Pty. Ltd., Hobsons Rd., South Kensington	31057	Melbourne 1960	Road Match	52m

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

1950 Historical Business Directory Records

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

1950 Business Directory Records
Premise or Road Intersection Matches

Records from the 1950 UBD 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
WOOL SCOURERS	Dodd & Co., Kensington Rd., Footscray	80788	Premise Match	0m	Onsite
ADHESIVE MANUFACTURERS	Glues & By-Products Pty. Ltd., Cnr. Hobson & Footscray Rds., South Kensington	1863	Road Intersection	55m	North East
GLUE MANUFACTURERS	Glues & By-Products Pty. Ltd., Hobsons Rd., Kensington	38586	Road Intersection	55m	North East
OIL & COLOUR MERCHANTS	Meggitt Ltd., Hobsons Rd., Kensington	61461	Premise Match	137m	North
STOCK FOOD MANUFACTURERS	Meggitt Ltd., 41-45 Hobsons Rd., South Kensington	74657	Premise Match	137m	North

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

1950 Business Directory Records
Road or Area Matches

Records from the 1950 UBD 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
BOX & CASE MANUFACTURERS & MERCHANTS	Colonial Case Co., Dynon Rd., South Kensington	7979	Road Match	0m
BOX & CASE MANUFACTURERS & MERCHANTS	Colonial Case Co., Dynon Rd., South Kensington	7989	Road Match	0m
BUILDERS & BUILDING CONTRACTORS	Mann, F. N., Pty. Ltd., Sims St., Footscray	9162	Road Match	0m
CHEMISTS-MANUFACTURING & WHOLESALE	Jedek Products, Dynon Rd., Footscray	16225	Road Match	0m
FELLMONGERS	Jackson, W., & Co. Pty. Ltd., Sims St., Footscray	31938	Road Match	0m
FELT MANUFACTURERS	Federal Felters Pty. Ltd., Dynon Rd., Footscray	31945	Road Match	0m
FERTILISERS	Dundas, J. A., Dynon Rd., Footscray	32015	Road Match	0m
HAIR FELT MANUFACTURERS	Federal Felters Pty. Ltd., Dynon Rd., Footscray	41619	Road Match	0m
IRON & STEEL MERCHANTS	Hume Steel Ltd., Dynon Rd., Footscray	47960	Road Match	0m
LACQUER SPRAYERS	Smith, S., & Co. Pty. Ltd., 1 Dynon Rd., South Kensington	50143	Road Match	0m
MOTOR PANEL BEATERS	McDonald & Burke, Dynon Rd., South Kensington	58966	Road Match	0m
MOTOR SERVICE STATIONS-PETROL, ETC.	Dynon Service Station, Dynon Rd., South Kensington	59554	Road Match	0m
PAINT & VARNISH MANUFACTURERS	Smith, S., & Co. Pty. Ltd., Dynon Rd., South Kensington	61901	Road Match	0m
PAINT & VARNISH MANUFACTURERS	Smith, S., & Co. Pty. Ltd., Dynon Rd., South Kensington	61902	Road Match	0m
SAUSAGE CASING MANUFACTURERS	Oppenhelmer Casing Co. of Australia Pty. Ltd., Dynon Rd., Footscray	70036	Road Match	0m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
SKIN & HIDE MERCHANTS & DEALERS	Wilcox, Mofflin Ltd., Dynon Rd., Footscray	72459	Road Match	0m
SPINNING MILLS	Baldwin Textiles, Dynon Rd., Footscray	73461	Road Match	0m
VARNISH & STAIN MANUFACTURERS	Smith, S., & Co. Pty. Ltd., 1 Dynon Rd., South Kensington	79428	Road Match	0m
WELDERS-ELECTRIC & OXY-ACETYLENE	McDonald & Burke, Dynon Rd., South Kensington	80026	Road Match	0m
WELDERS-ELECTRIC & OXY-ACETYLENE	Milne, W., Dynon Rd., South Kensington	80031	Road Match	0m
WOOL & TEXTILE WASTE MERCHANTS	Dynon Fabrics Pty. Ltd., Dynon Rd., Footscray	80640	Road Match	0m
WOOL SCOURERS	Colonial Meat Co. Pty. Ltd., Dynon Rd., Footscray	80786	Road Match	0m
WOOL SCOURERS	Jackson, W., & Co. Pty. Ltd., Sims St., Footscray	80792	Road Match	0m
WOOL SCOURERS	River Wool Scouring Co. Pty. Ltd., Dynon Rd., Footscray	80799	Road Match	0m
WOOLLEN MILLS	Baldwin Textiles Pty. Ltd., Dynon Rd., Footscray	80935	Road Match	0m
BOTTLE MERCHANTS & DEALERS	Reidy, W. J., 65 Hopkins St., Footscray	7928	Road Match	37m
METAL MERCHANTS	Reidy, W. J., 65 Hopkins St., Footscray	55274	Road Match	37m
WOOL & TEXTILE WASTE MERCHANTS	Reidy, W. J., 65 Hopkins St., Footscray	80664	Road Match	37m
SKIN & HIDE MERCHANTS & DEALERS	Fink, J. B., & Co., Hobson Rd., South Kensington	72435	Road Match	52m

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

Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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 &/OR ENGINEERS &/OR SERVICE STATIONS.	Tyne Motors Pty. Ltd., 18 Hopkins St., Footscray.	45105	1984	Premise Match	294m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Tyne Motors Pty. Ltd., 18 Hopkins St., Footscray.	2018	1980	Premise Match	294m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Tyne Motors Pty. Ltd ., 18 Hopkins St . Footscray.	25998	1977	Premise Match	294m	West
MOTOR GARAGES &/OR ENGINEERS.	Haark, L. V., Motors Pty. Ltd., 22 Hopkins St., Maidstone.	157036	1974	Premise Match	317m	West
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	BP Footscray., 45 Hopkins St., Footscray.	24923	1977	Premise Match	424m	West
MOTOR SERVICE STATIONS - PETROL, OIL.	B.P. Footscray, 45 Hopkins St.,	159156	1974	Premise Match	424m	West
MOTOR GARAGES &/OR ENGINEERS.	Bridge Garage (H. & D. Joyner), 45 Hopkins St., Footscray.	156795	1974	Premise Match	424m	West
MOTOR SERVICE STATIONS - PETROL, OIL.	Bridge Garage, 45 Hopkins St., Footscray.	159387	1974	Premise Match	424m	West
MOTOR GARAGES AND ENGINEERS	Bridge Garage (H. & D. Joyner), 45 Hopkins St., Footscray	978	1960	Premise Match	425m	West
MOTOR SERVICE STATIONS, PETROL, ETC.	Bridge Garage, 45 Hopkins St., Footscray	977	1960	Premise Match	425m	West
MOTOR SERVICE STATIONS, PETROL, ETC.	BP Australia Limited., 45 Hopkins St Footscray:	71481	1965	Premise Match	429m	West
MOTOR GARAGES & ENGINEERS	Bridge Garage (H. & D. Joyner)., 45 Hopkins St., Footscray	69150	1965	Premise Match	429m	West
MOTOR SERVICE STATIONS, PETROL, ETC.	Bridge Garage., 45 Hopkins St., Footscray	71723	1965	Premise Match	429m	West
MOTOR SERVICE STATIONS- PETROL, ETC.	Bridge Garage (E. I. Hopkins), 45 'Hopkins St., Footscray	59484	1950	Premise Match	429m	West
MOTOR GARAGES & ENGINEERS	Hopkins, E. I., 45 Hopkins St., Footscray	58224	1950	Premise Match	429m	West
Motor Garages & Service Stations	M & L. Performance., Rear. 40 Hopkins St. Foolscray. 3011	57548	1991	Premise Match	438m	West
Motor Garages & Service Stations	Mobil Footscray Service Station,. 1C Ballarat Rd., Footscray. 3011	57643	1991	Premise Match	474m	North West
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Balroad , 1c Ballarat Rd., Footscray.	43696	1984	Premise Match	474m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Footscray 3011, BP Balroad (PPSS), 1c Ballarat Rd.,	1129	1980	Premise Match	474m	North West
Motor Garages & Service Stations	Shell Footscray Gate Service Station,. 51 Hopkins St. Footscray. 3011	57927	1991	Premise Match	475m	West
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Footscray Gate Service Station., 51 Hopkins St., Footscray.	25358	1977	Premise Match	475m	West
MOTOR SERVICE STATIONS - PETROL, OIL.	Footscray Gate Service Station, 51 Hopkins St., Footscray.	159795	1974	Premise Match	475m	West
MOTOR SERVICE STATIONS- PETROL, ETC.	Footscray Gate Service Station., 51 Hopkins St, Footscray	72118	1965	Premise Match	475m	West

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

Historical Business Directories

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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 GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Scotts Service Station., Dynon Rd., Footscray.	25777	1977	Road Match	0m
MOTOR SERVICE STATIONS - PETROL, OIL.	Scotts Service Station, Dynon Rd., Footscray.	160267	1974	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS.	Silver Repair Service Pty. Ltd., 7 Dynon Rd., South Kensington.	157303	1974	Road Match	0m
MOTOR SERVICE STATIONS-PETROL, ETC.	Scotts Service Station., Dynon Rd., Footscray	72646	1965	Road Match	0m
MOTOR GARAGES & ENGINEERS	Silver Repair Service Pty. Ltd., 7 Dynon Rd., South Kensington	69644	1965	Road Match	0m
MOTOR SERVICE STATIONS, PETROL, ETC.	Dynon Service Station, Dynon Rd., South Kensington	2018	1960	Road Match	0m
MOTOR GARAGES AND ENGINEERS	Glenister, H. & L., Dynon Rd., Footscray	974	1960	Road Match	0m
MOTOR SERVICE STATIONS-PETROL, ETC.	Dynon Service Station, Dynon Rd., South Kensington	59554	1950	Road Match	0m
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Amoco Footscray, Hopkins St., Footscray,.	43479	1984	Road Match	37m
MOTOR' GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Shell Footscray, Hopkins St., Footscray.	44851	1984	Road Match	37m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Amoco Footscray., Hopkins St.. Footscray.	24632	1977	Road Match	37m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Caltex Oil Footscray., Hopkins St.. Footscray.	25120	1977	Road Match	37m
MOTOR GARAGES&/OR ENGINEERS &/OR SERVICE STATIONS.	Golden Fleece Footscray., Hopkins St., Footscray.	25414	1977	Road Match	37m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Shell Oil Footscray., Hopkins St.. Footscray.	25858	1977	Road Match	37m
MOTOR SERVICE STATIONS - PETROL, OIL.	Caltex Oil Footscray, Hopkins St., Footscray	159497	1974	Road Match	37m
MOTOR SERVICE STATIONS, PETROL, ETC.	Caltex Oil (Australia) Pty. Limited., Hopkins St. Footscray:	71833	1965	Road Match	37m
Motor Garages & Service Stations	Scraymatic Automatic Transmission Specialists,. Whitehall St., Footscray. 3011	57885	1991	Road Match	365m
MOTOR GARAGES & ENGINEERS	Guys Service Station, Ballarat Rd., Footscray	58186	1950	Road Match	445m

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

Aerial Imagery 2009

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Scale:	Data Source Aerial Imagery: © 2019 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 55	Date: 22 January 2019

0 50 100 200
Meters

Aerial Imagery 2001

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Scale:	Data Source Aerial Imagery: © 2019 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 55	Date: 22 January 2019

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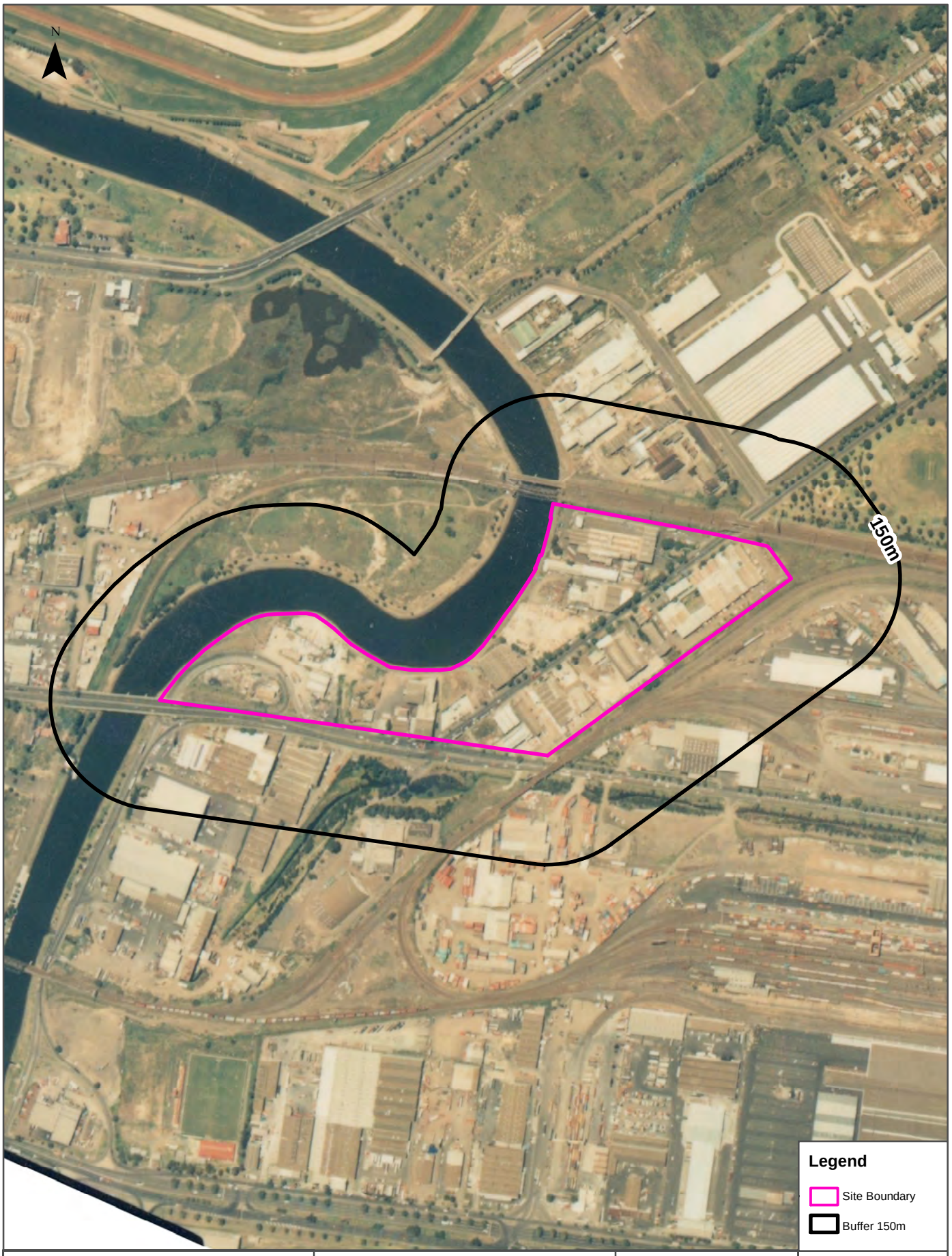
Meters

Aerial Imagery 1990

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Aerial Imagery 1989

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 22 January 2019
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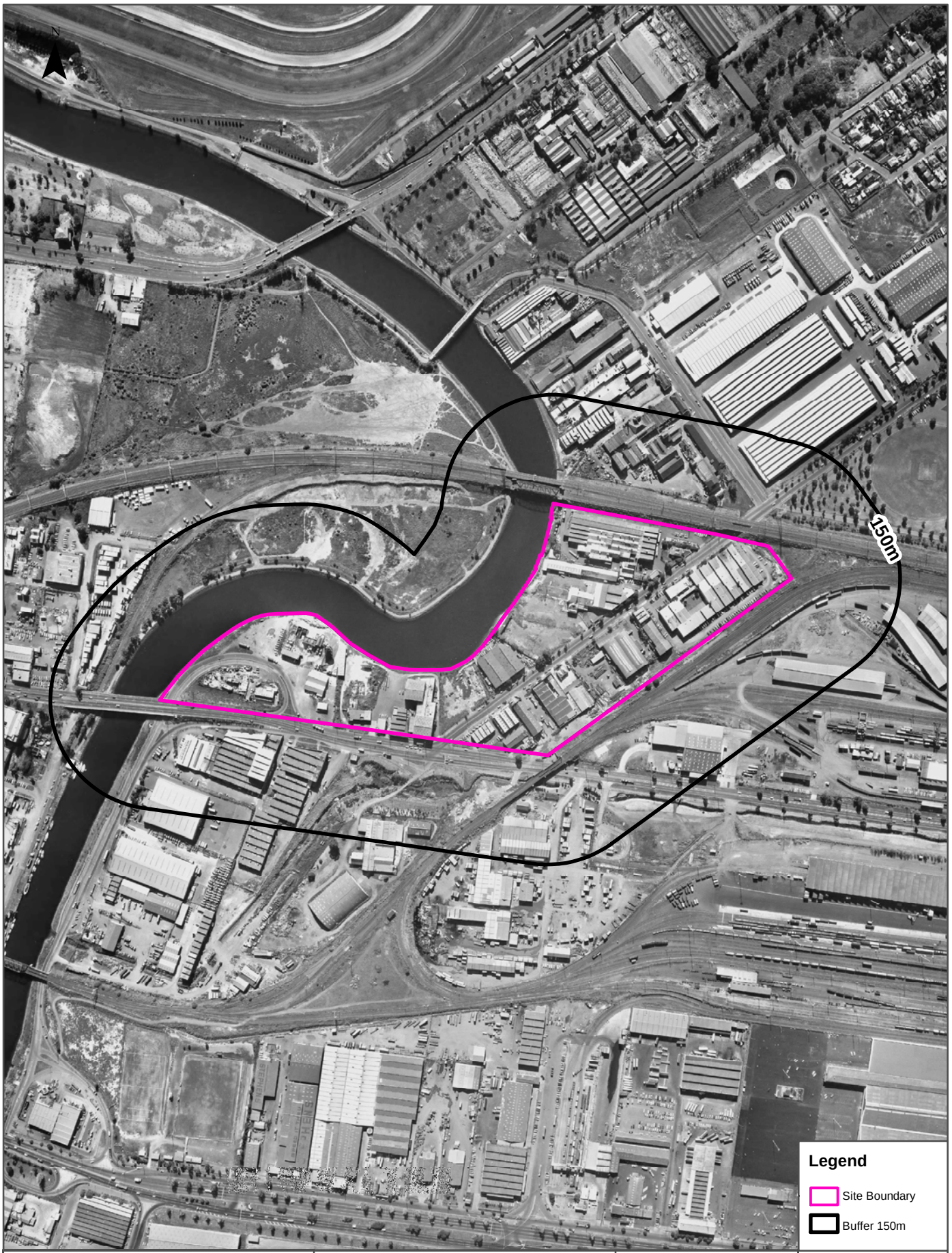
Aerial Imagery 1985

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



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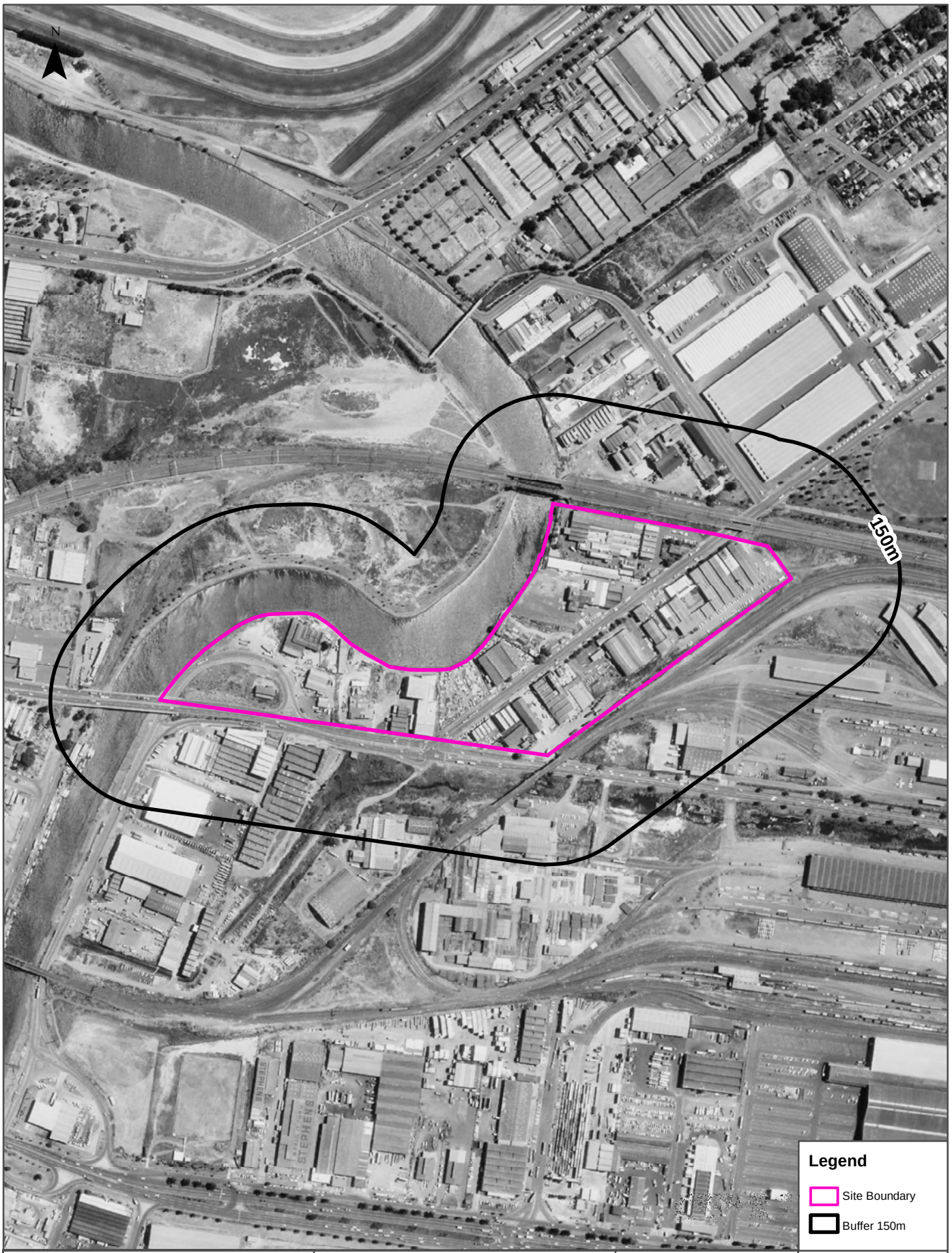
Aerial Imagery 1979

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



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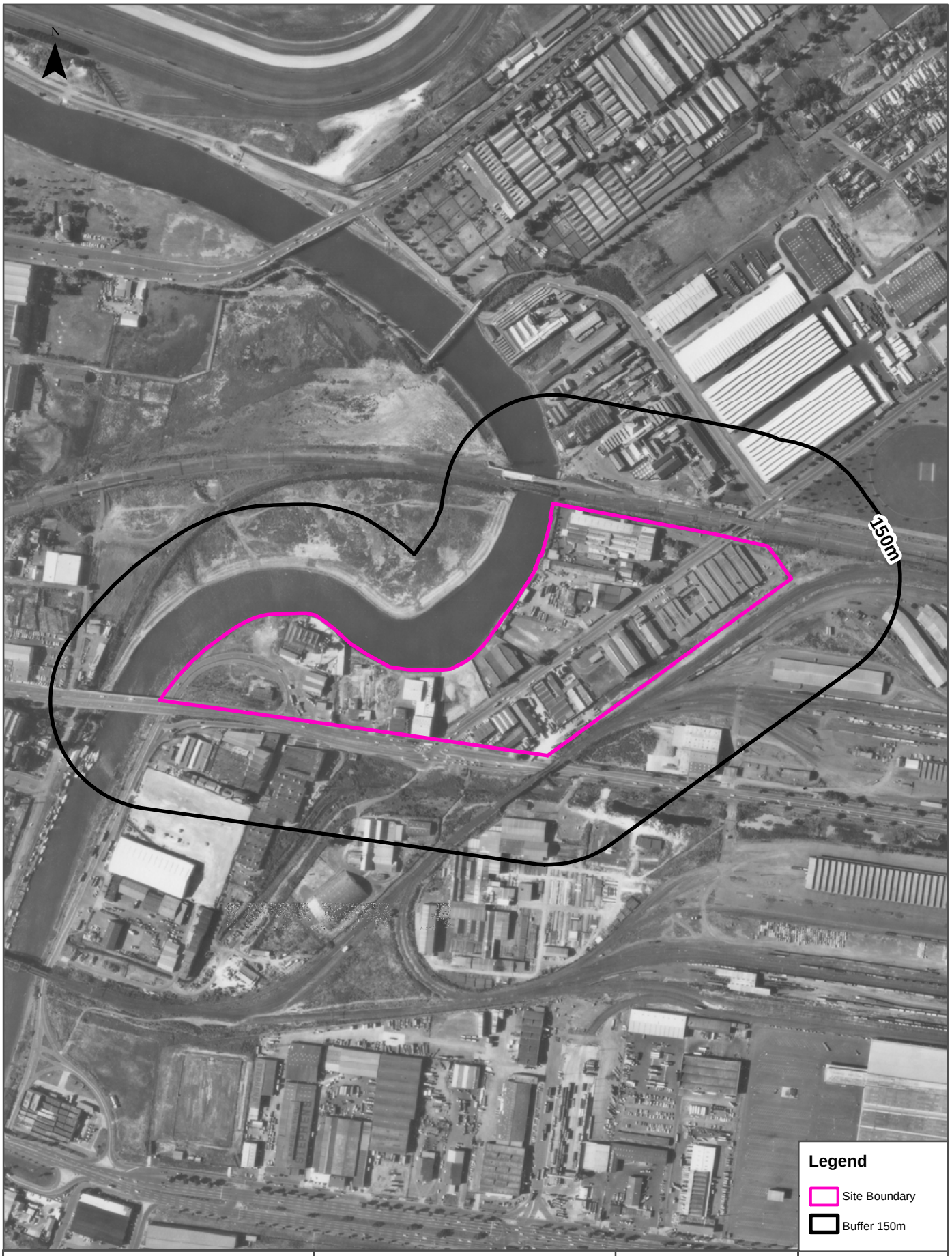
Coordinate System:
GDA 1994 MGA Zone 55

Date: 22 January 2019

Aerial Imagery 1975

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



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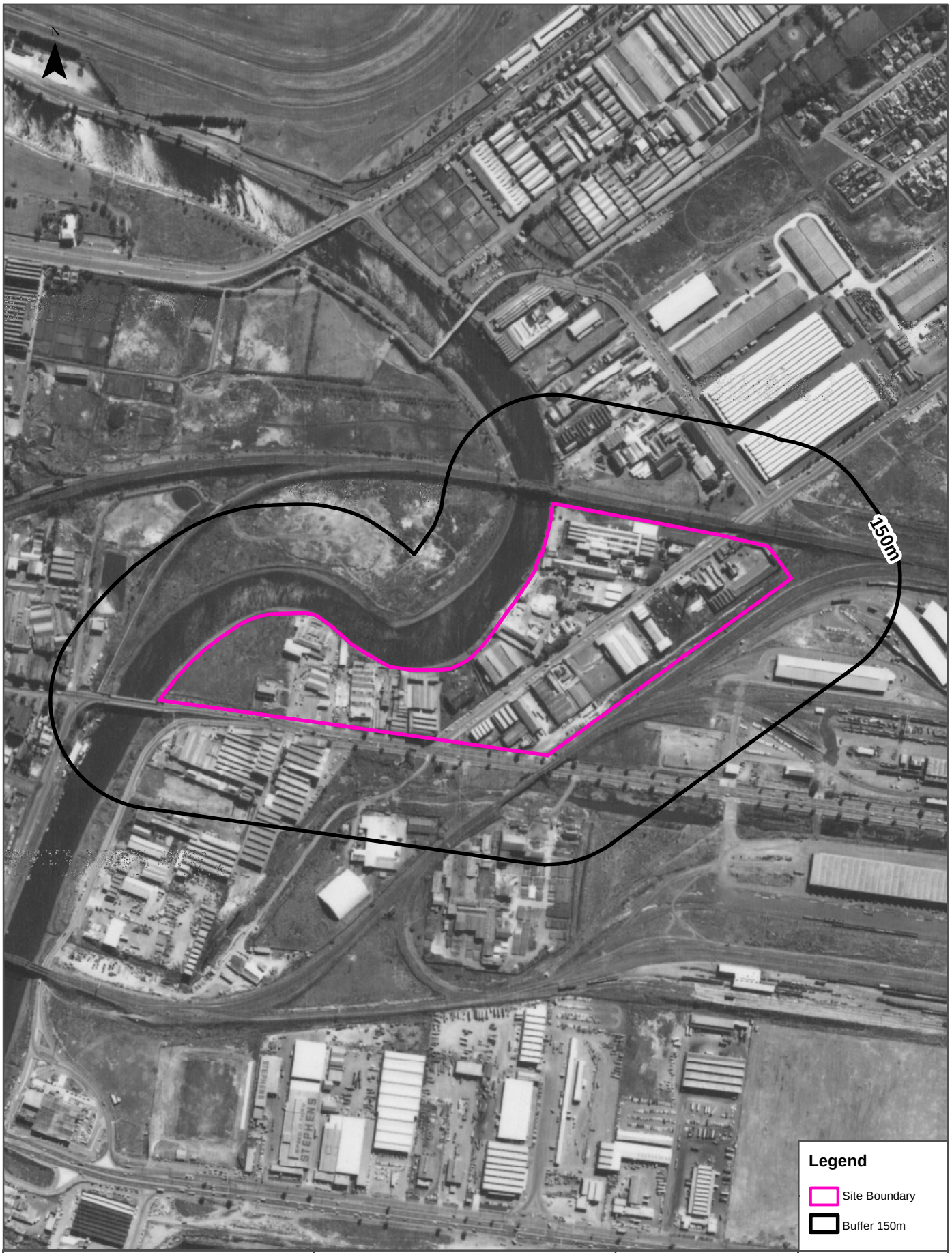
Coordinate System:
GDA 1994 MGA Zone 55

Date: 22 January 2019

Aerial Imagery 1966

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



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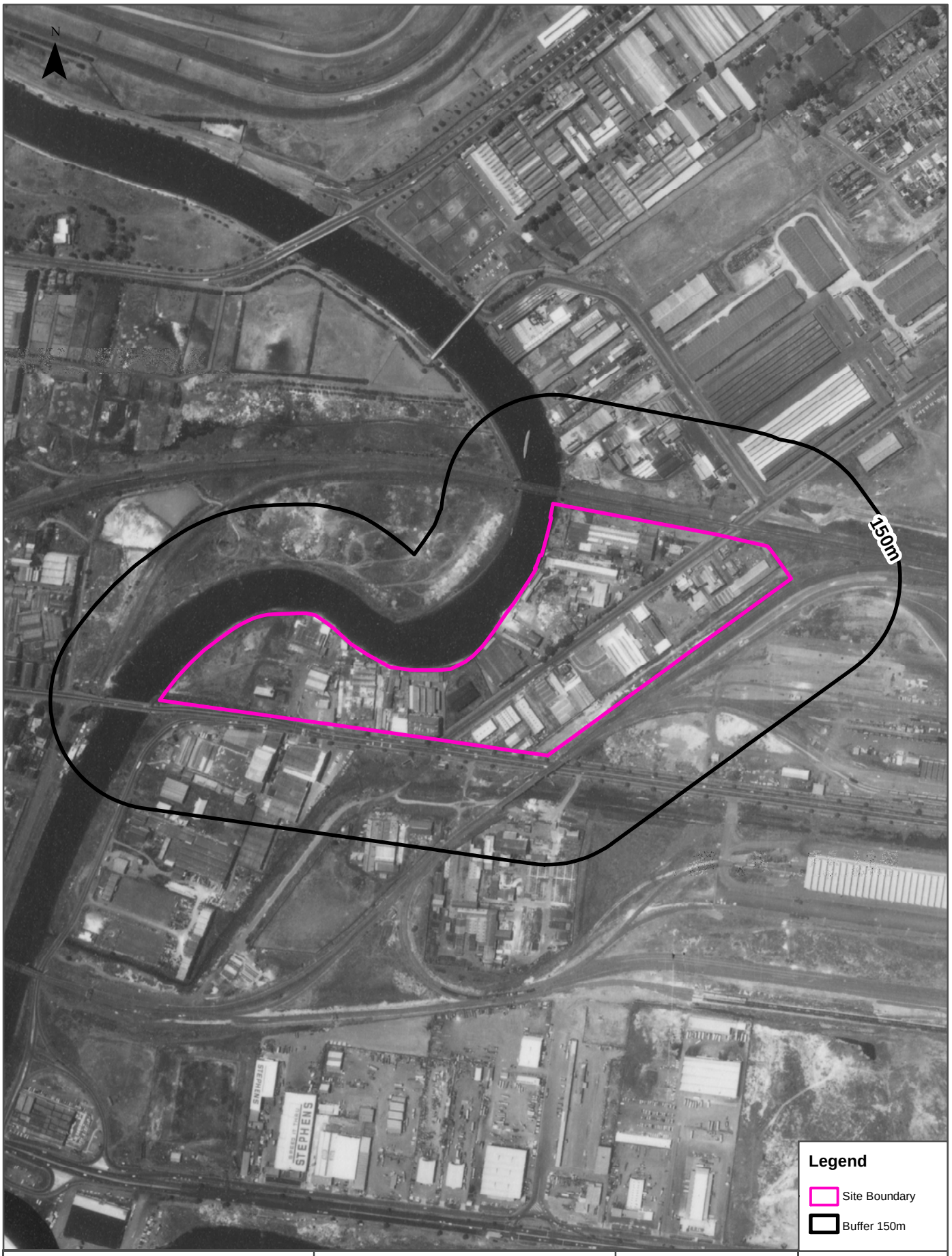
Date: 22 January 2019

Aerial Imagery 1962

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



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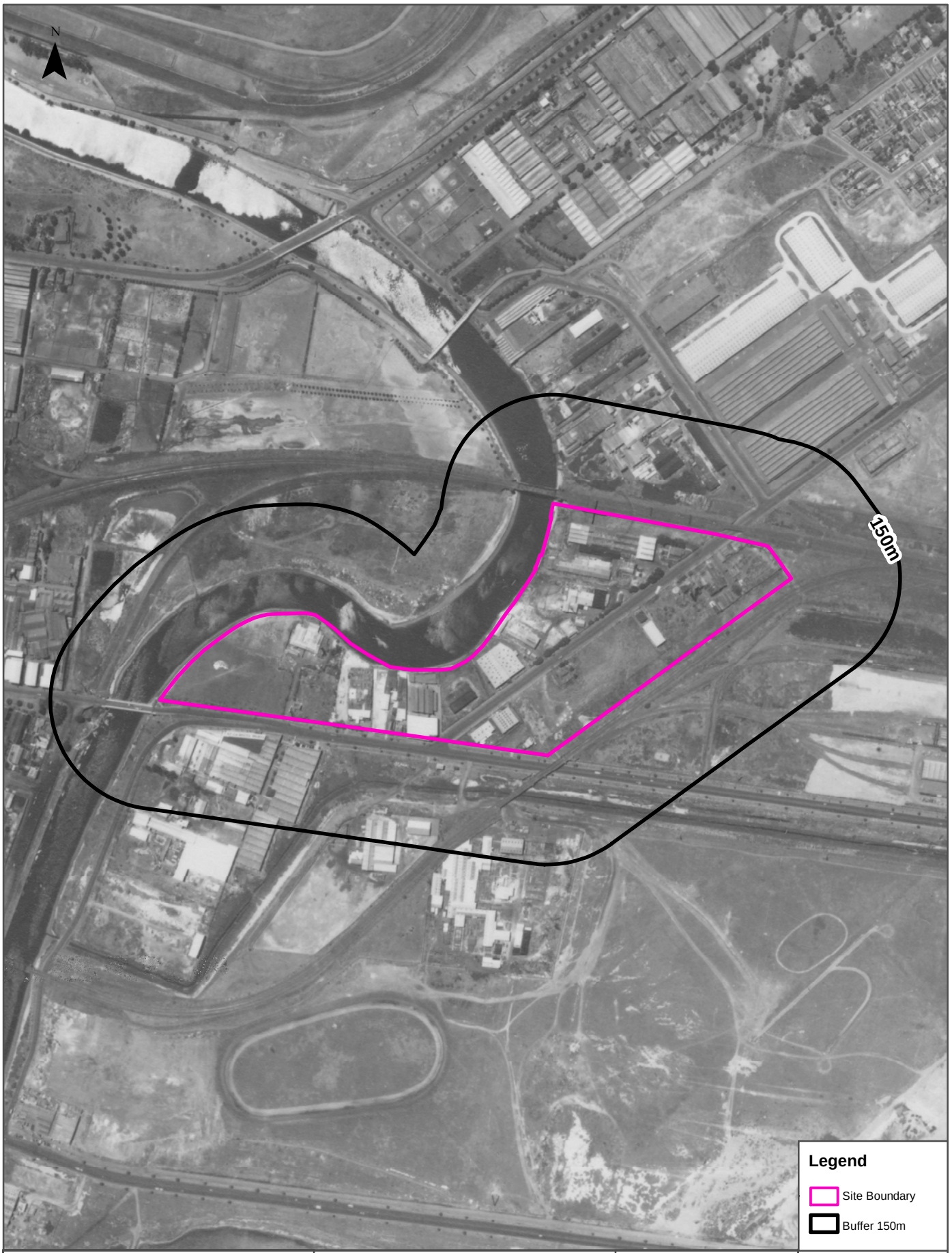
GDA 1994 MGA Zone 55

Date: 22 January 2019

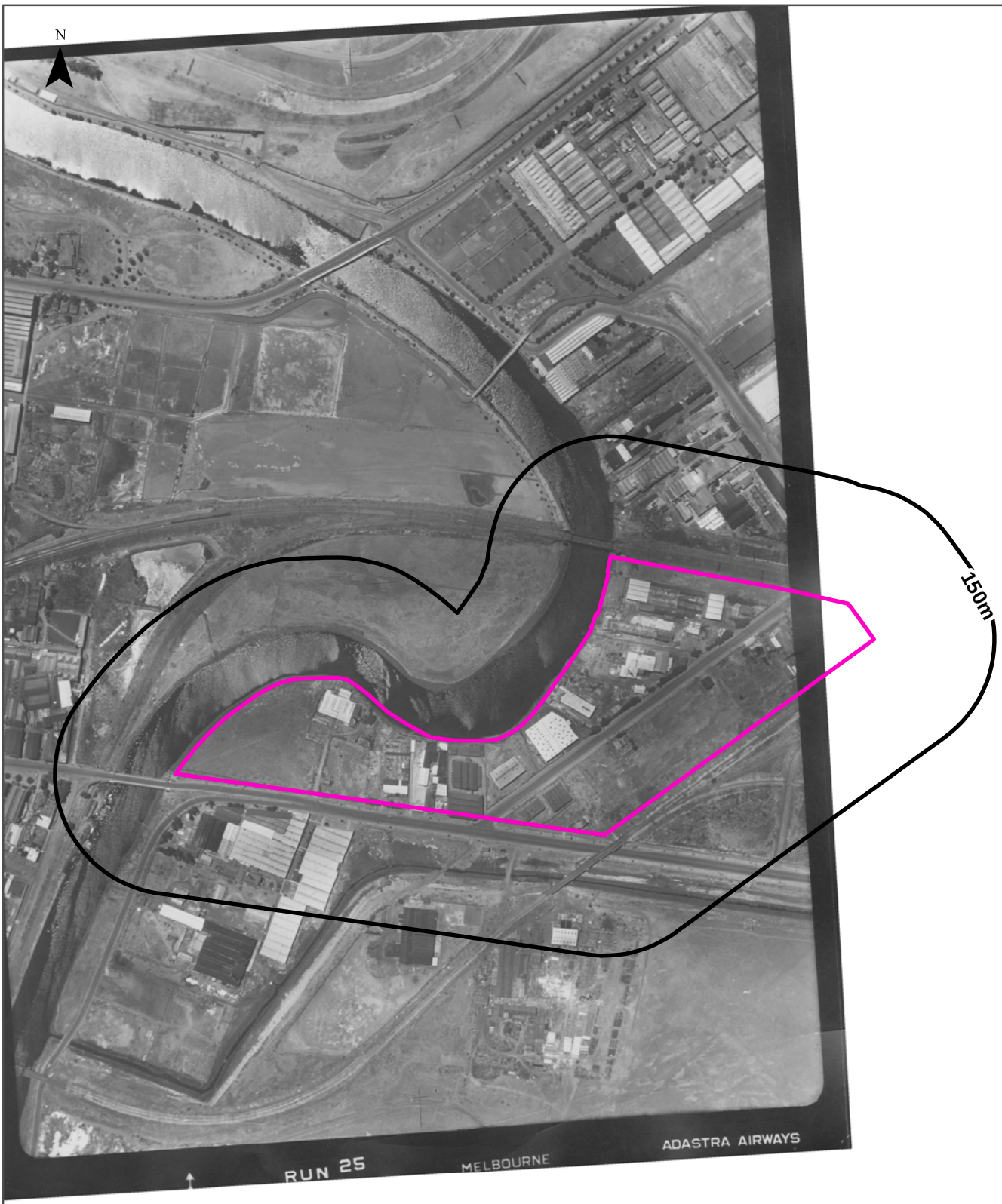
Aerial Imagery 1951

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Aerial Imagery 1945

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Legend

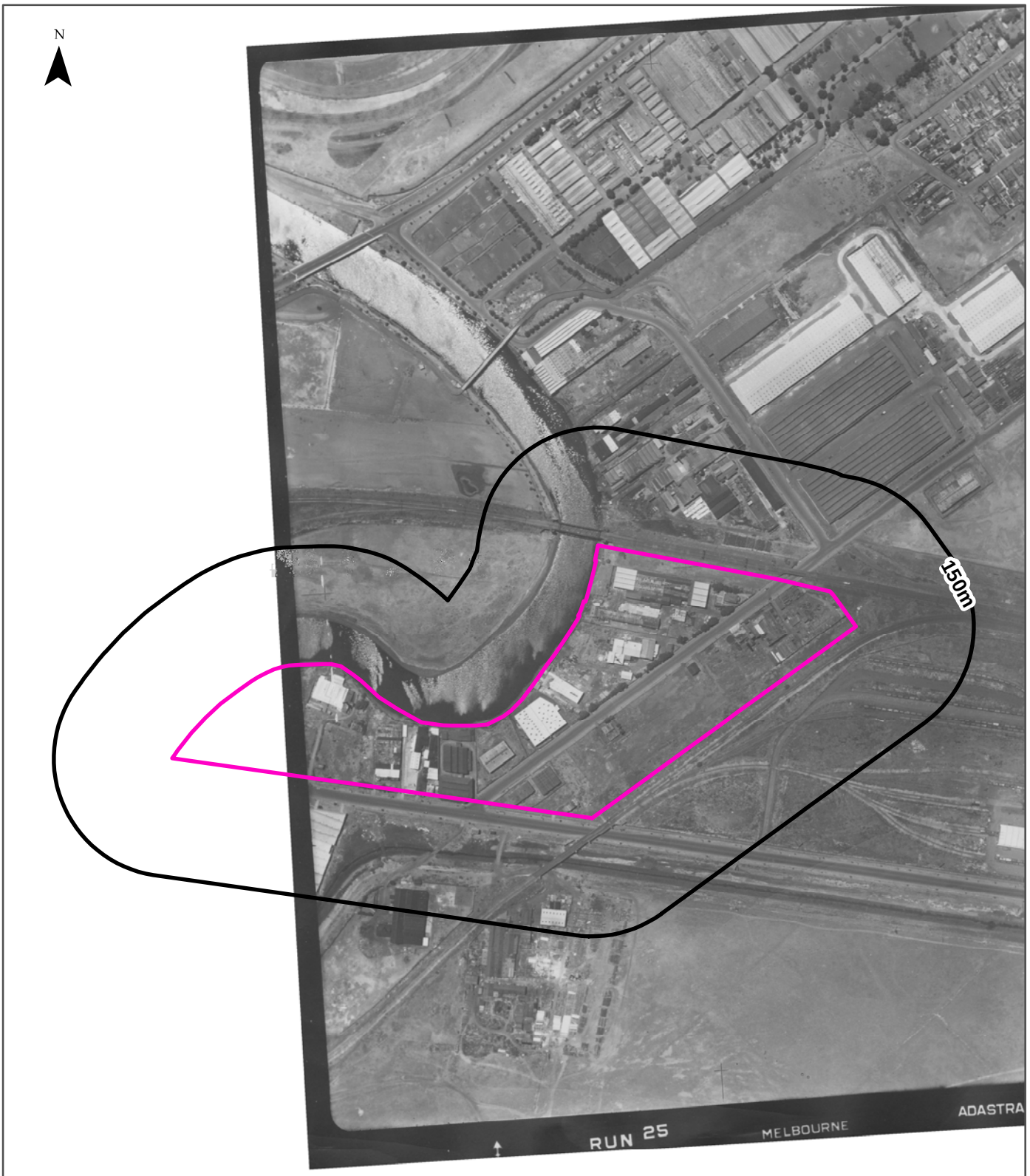
Site Boundary

Buffer 150m

Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 22 January 2019
0 50 100 200 Meters	© Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	GDA 1994 MGA Zone 55	

Aerial Imagery 1945

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Legend

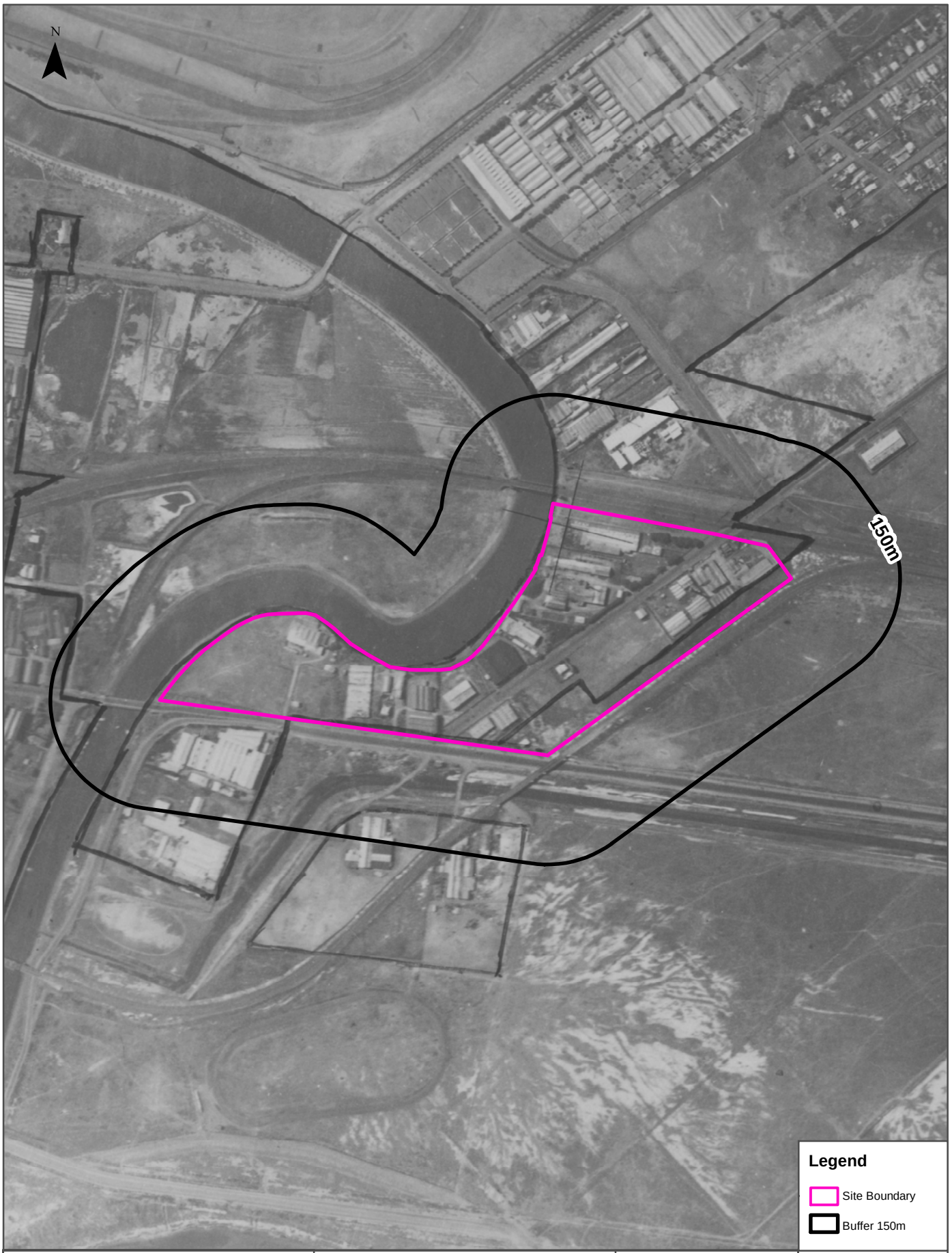
Site Boundary

Buffer 150m

Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 22 January 2019
0 50 100 200 Meters	© Department of Environment, Land, Water and Planning (Vicmap Topographic Mapping Program)	GDA 1994 MGA Zone 55	

Aerial Imagery 1931

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

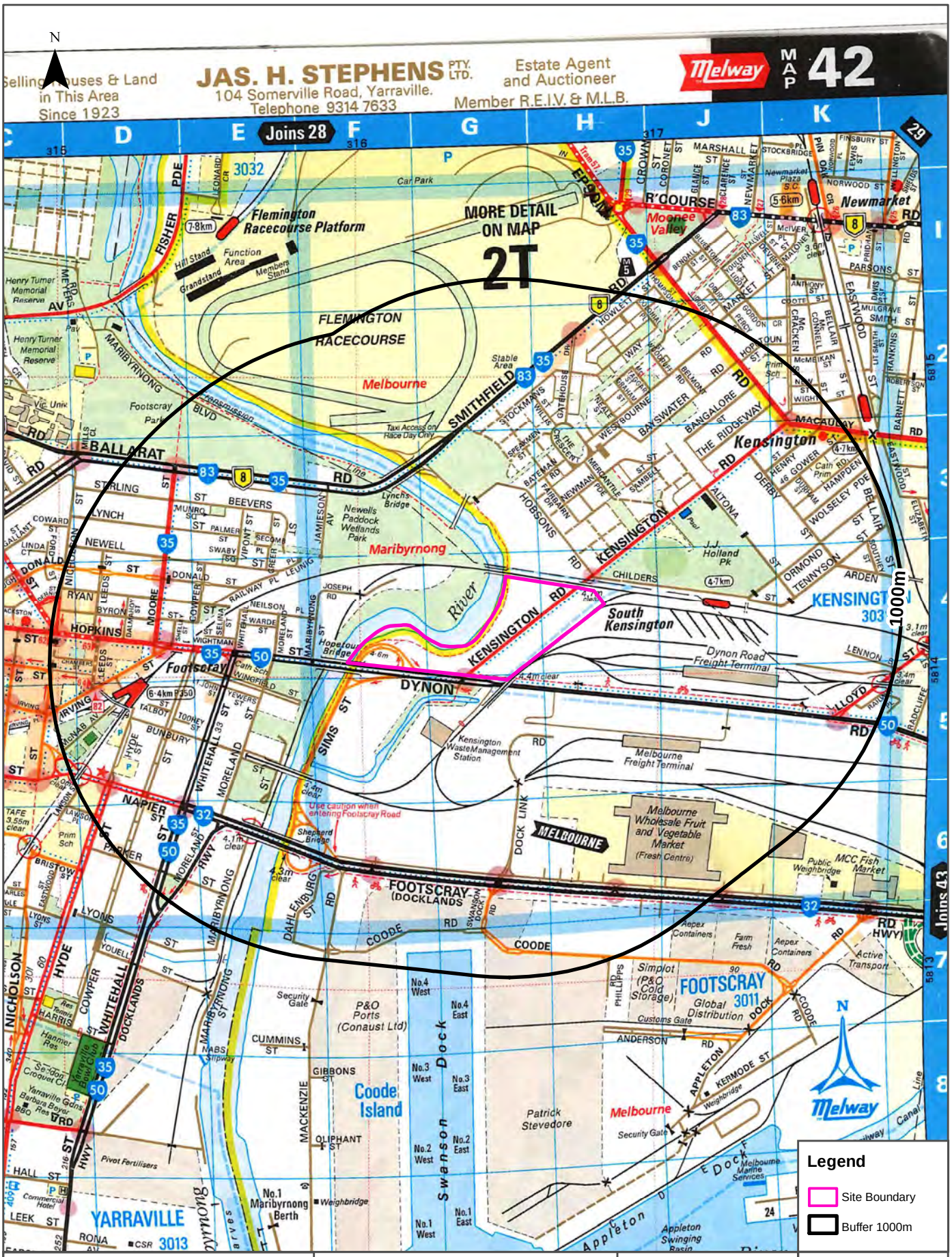


Historical Map 2009

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Historical Map 1998

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Scale: 0 100 200 400 600 800 Meters

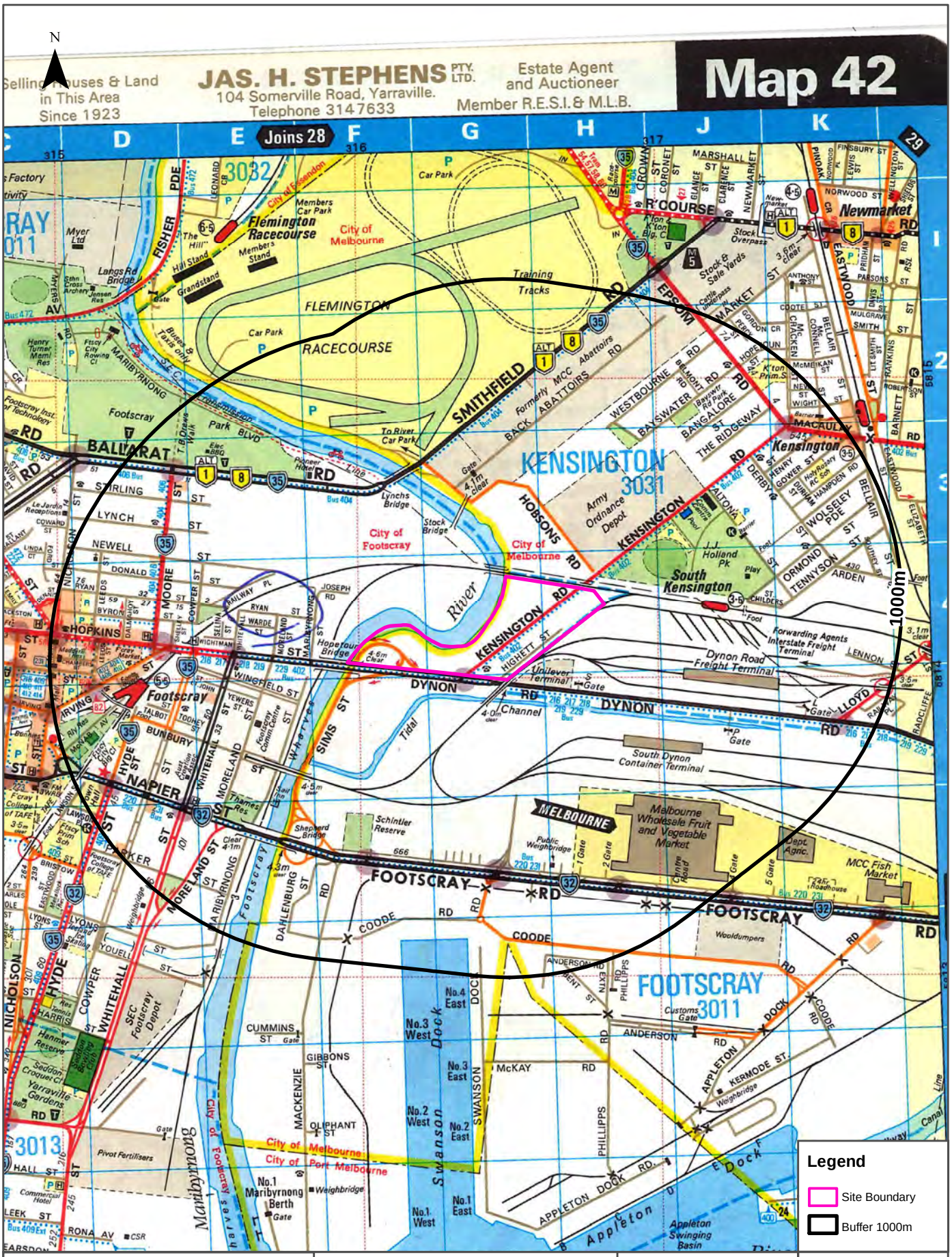
Data Sources: Maps reproduced from 1998, Edition 26 of the Melway Street Directory

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

Historical Map 1986

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



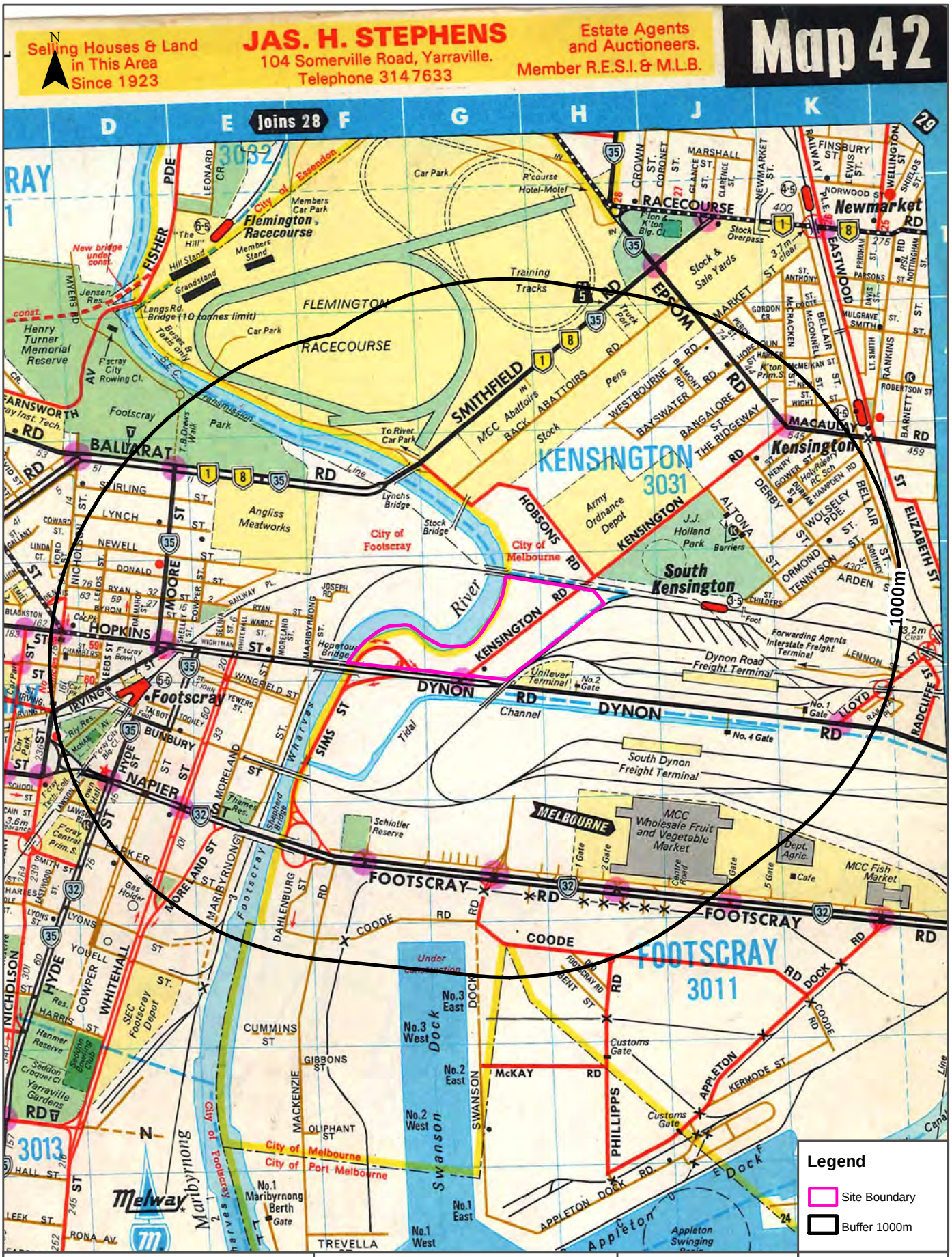
Historical Map 1982

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Scale: 0 500 1,000 Meters	Data Sources: NATMAP 1:100,000 Topographic Maps Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 55	Date: 22 January 2019

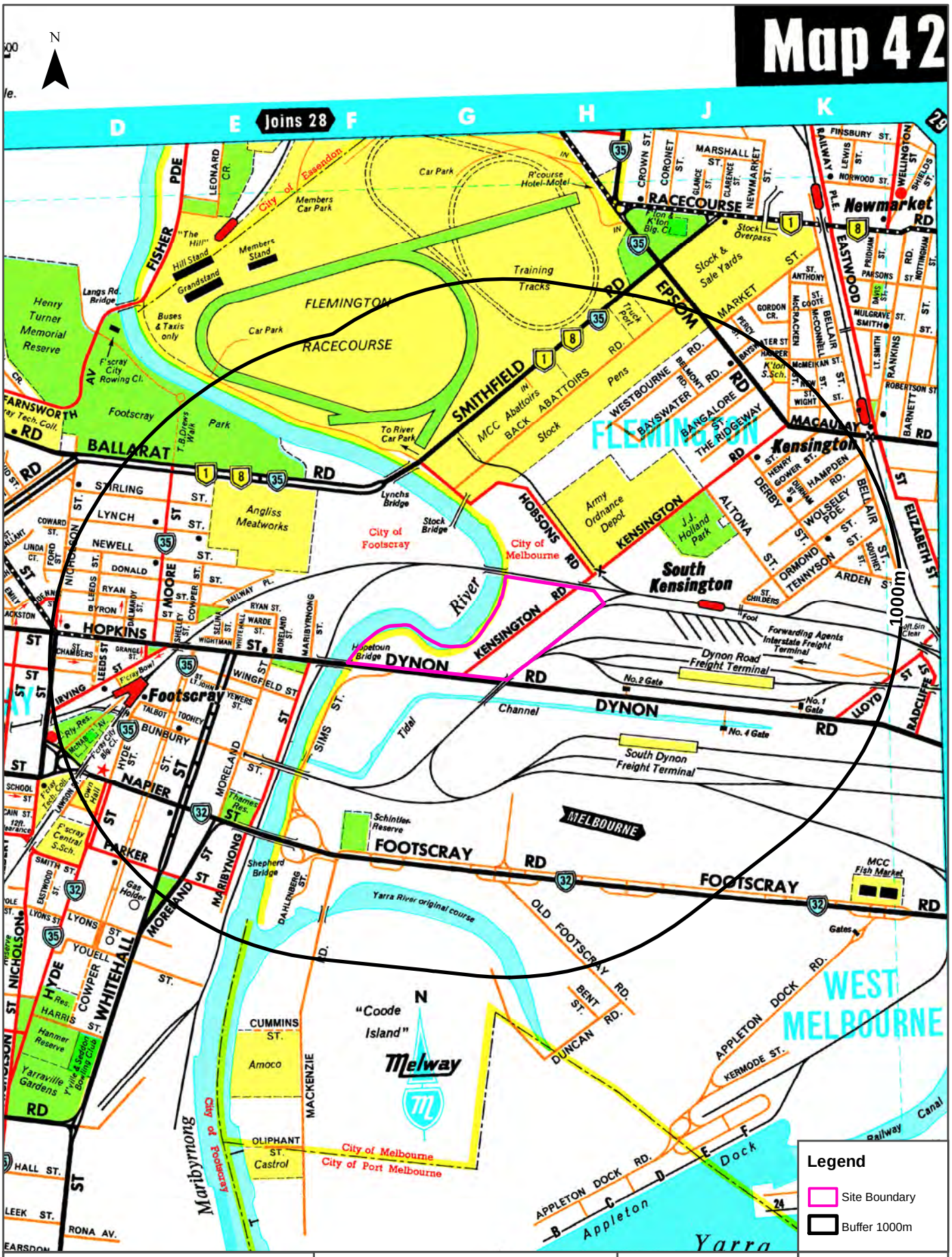
Historical Map 1978

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



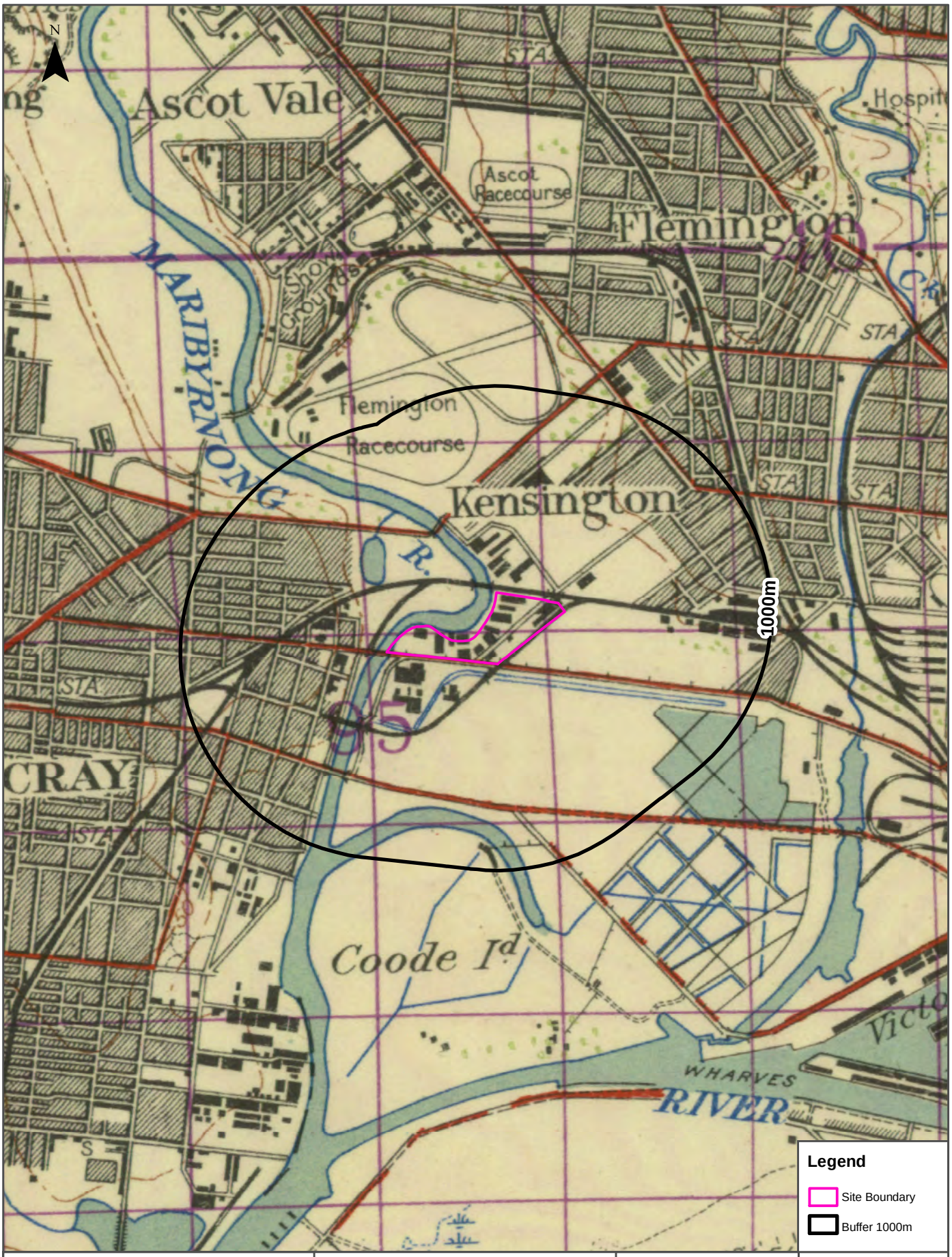
Historical Map 1966

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Historical Map c.1933

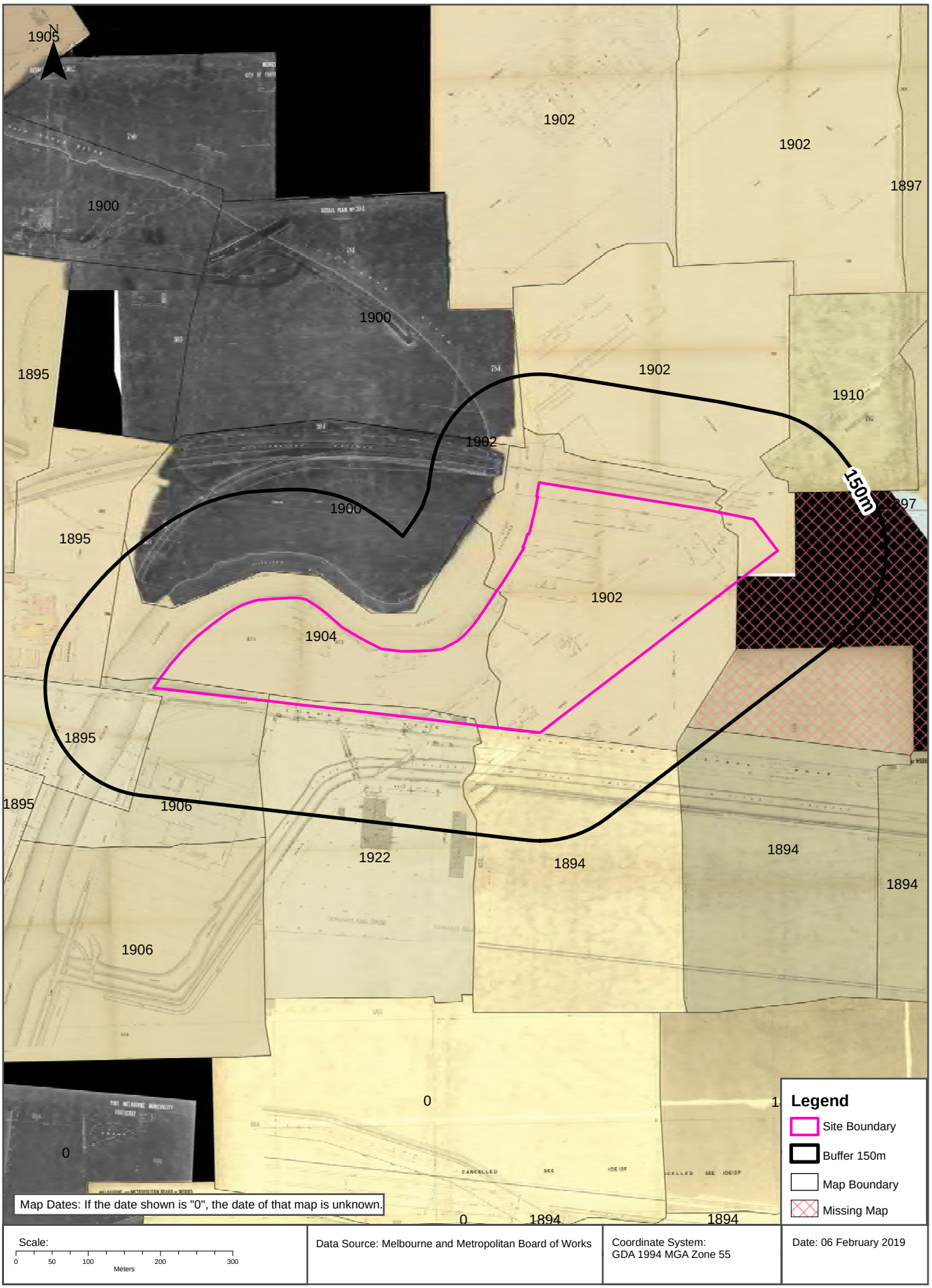
Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Scale: 0 200 400 800 1,200 Meters	Data Sources: Australia 1:63360 Prepared by Commonwealth Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 55	Date: 22 January 2019

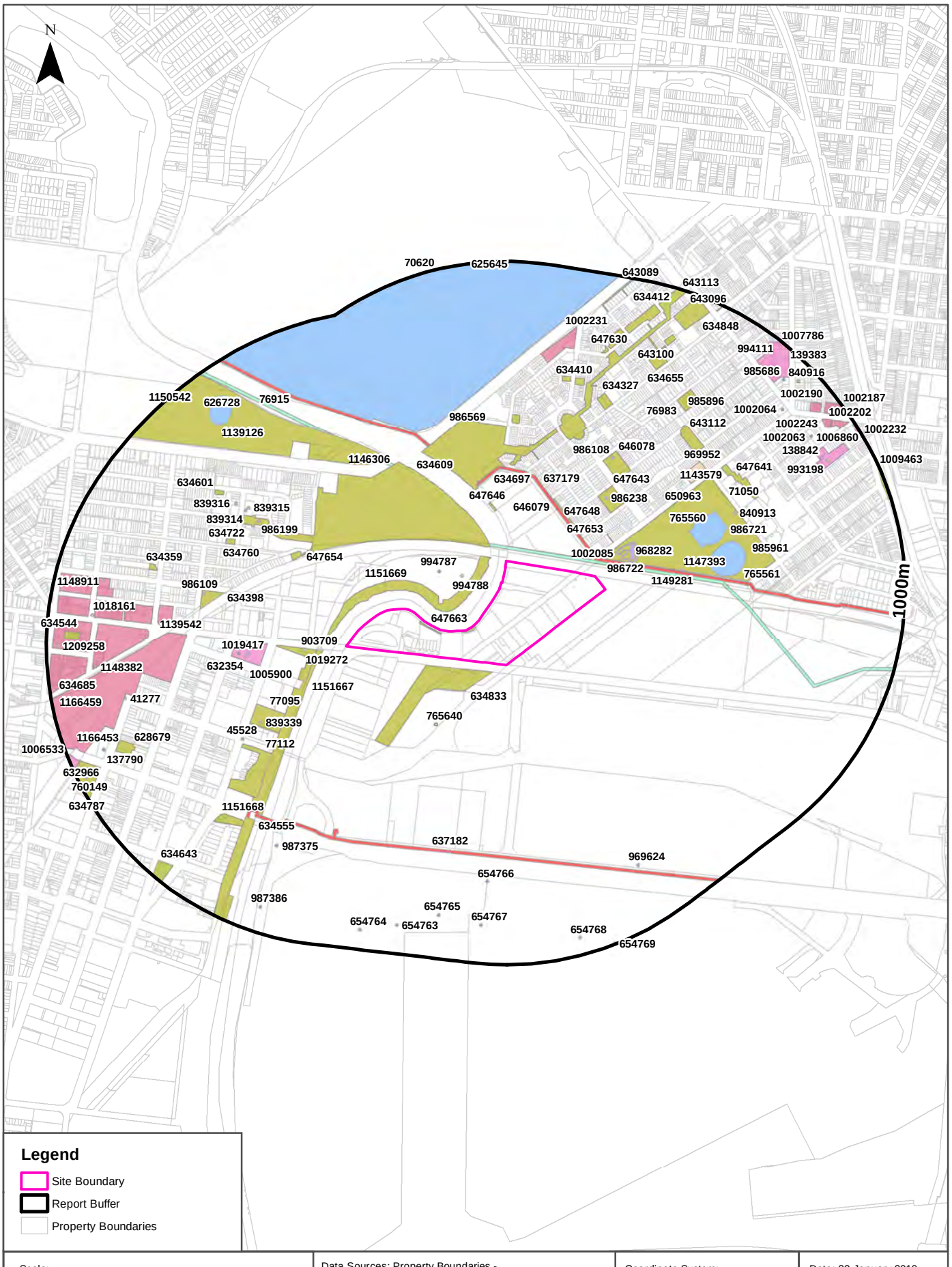
Historical Map 1894 - 1922

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Features of Interest

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Features of Interest

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Features of Interest

Features of Interest within the dataset buffer:

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
647663	reserve	park		0m	Onsite
1146306	reserve	conservation park	Lower Maribyrnong River Land	0m	Onsite
634833	reserve	park	Wildlife Reserve	30m	South West
626728	power line	power transmission	Keilor-West Melbourne	39m	North West
637179	pipeline	gas pipeline	Dandenong - West Melbourne (Ring Main) T18 - 74	51m	North
1151669	reserve	park		52m	West
71050	reserve	park	J J Holland Park	64m	East
634609	reserve	park	Newells Paddock Wetlands Reserve	74m	North West
1151667	reserve	park		78m	South West
903709	reserve	park	Tannery Reserve	101m	West
1002085	recreational resource	bmx track		101m	North East
647648	reserve	park		114m	North East
994788	landmark	monument		125m	North West
647653	reserve	park		126m	North East
986722	recreational resource	skate park		127m	North East
1019272	landmark	monument	Employees Of Michaelis Hallenstein Company War Mem	135m	West
968282	sign	emergency marker	MEL180	141m	North East
994787	place of worship	vihara (buddhist)	Buddist Temple Of The Heavenly Queen	155m	North West
765560	sport facility	sports ground		166m	North East
647646	reserve	park		173m	North
646079	reserve	park		183m	North East
647643	reserve	park		218m	North East
765640	dumping ground	transfer station	Citywide Waste And Recycling Centre	220m	South West
1147393	education centre	secondary school	Seda College (Victoria)	259m	North East
1149281	education centre	secondary school	Seda College (Victoria) - Melbourne City Talented Player Program - Kensington	259m	East
986238	recreational resource	playground		260m	North East
634697	reserve	park	Riverside Park	260m	North
1005900	education centre	education complex		264m	West
77095	reserve	park		305m	South West
647654	reserve	park		310m	West

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
1154574	care facility	child care	Youth Leadership Victoria St Monicas	324m	West
646078	reserve	park		328m	North East
632354	education centre	primary school	St Monicas School	331m	West
986721	sport facility	sports ground		338m	East
1019417	place of worship	church	St Monicas Catholic Church	354m	West
765561	sport facility	sports ground		356m	East
839339	community venue	community centre	Footscray Community Arts Centre	377m	South West
1143579	sport facility	sports complex	Kensington Aquatic Centre	387m	North East
986108	recreational resource	playground		393m	North East
986569	sport facility	tennis court		424m	North
643113	reserve	park		433m	North East
77112	reserve	park		436m	South West
634398	reserve	park	Fordham Reserve	444m	West
969952	residential building	retirement village	Atkins Terrace	445m	North East
650963	sport facility	swimming pool		454m	North East
45528	excavation site	adit		459m	South West
634722	reserve	park	Seelaf Square	465m	North West
76915	reserve	park	Footscray Park	490m	North West
986199	recreational resource	playground		491m	North West
840913	care facility	child care	Kensington Community Childrens Centre	497m	North East
634760	reserve	park	Swaby Square	501m	West
986109	recreational resource	playground		503m	West
985961	recreational resource	playground		504m	East
70620	sport facility	racecourse	Flemington Racecourse	513m	North
643112	reserve	park		530m	North East
1139542	commercial facility	shopping precinct	Footscray Business District	533m	West
625645	sport facility	horse racetrack		542m	North
839315	community venue	community centre	Angliss Neighbourhood House	545m	North West
839313	health facility	maternal/child health centre	Angliss Childrens Centre	545m	North West
839314	care facility	child care	Angliss Childrens Centre	546m	North West
647641	reserve	park		552m	North East
634327	reserve	gardens	Kensington Community Garden	552m	North East
839316	community venue	senior citizens	Angliss Senior Citizens	585m	North West
637182	pipeline	gas pipeline	Derrimut - West Melbourne	609m	South West
634410	reserve	park	Gatehouse Drive Reserve	619m	North
76983	reserve	gardens	Bayswater Road Park	628m	North East
634601	reserve	park	Munroe Square	642m	North West

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
985896	recreational resource	playground		650m	North East
634555	reserve	park	Maribyrnong River Reserve	655m	South West
1002231	commercial facility	shopping precinct		675m	North
1151668	reserve	park		676m	South West
634359	reserve	park	Donald Street Reserve	679m	West
987375	sign	emergency marker	POM421	699m	South West
634655	reserve	park	Peppercorn Park	717m	North East
654766	sign	emergency marker	POM425	721m	South
647630	reserve	park		736m	North East
41277	excavation site	adit		753m	West
634412	reserve	park	Gilbertson Walk Reserve	754m	North East
628679	reserve	park	Ercildoune Reserve	780m	West
969624	admin facility	office	Melb Markets	793m	South East
643100	reserve	park		806m	North East
634685	reserve	park	Railway Reserve	817m	West
1166453	recreational resource	playground		818m	West
1139126	sport facility	sports ground	A E Shepherd Oval	819m	North West
1006860	education centre	education complex		820m	North East
1002064	place of worship	church	St Marys Coptic Orthodox Church	831m	North East
1148911	care facility	child care	Childrens First Choice Family Day Care Pty Ltd	832m	West
1148382	care facility	child care	Nile Family Day Care	835m	West
138842	education centre	primary school	Holy Rosary School	838m	North East
1018161	landmark	monument	Saigon Welcome Arch	849m	West
1002063	place of worship	church	Holy Rosary Catholic Church	849m	North East
993198	care facility	child care	Holy Rosary Oshc	850m	North East
654765	sign	emergency marker	POM424	850m	South
654767	sign	emergency marker	POM501	867m	South
634848	reserve	park	Womens Peace Park	873m	North East
137790	emergency facility	police station	Footscray Police Station	875m	West
643089	reserve	park		875m	North East
1007786	education centre	education complex		878m	North East
634544	reserve	park	Maddern Reserve	890m	West
654763	sign	emergency marker	POM422	899m	South
1002190	commercial facility	shopping precinct		901m	North East
985686	place of worship	church		903m	North East
987386	sign	emergency marker	POM417	910m	South West
1002243	commercial facility	shopping precinct		910m	North East

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
634787	reserve	park	Town Hall Reserve	915m	West
1002202	commercial facility	shopping precinct		925m	North East
654764	sign	emergency marker	POM423	929m	South West
634643	reserve	park	Parker Street Reserve	931m	South West
840916	care facility	child care	Kensington Womens Group Child Care Association Inc	934m	North East
654768	sign	emergency marker	POM502	936m	South
1002187	commercial facility	shopping precinct		936m	North East
1166459	recreational resource	rotunda		939m	West
994111	care facility	child care	Big Childcare - Kensington Ps Oshc	944m	North East
139383	education centre	primary school	Kensington Primary School	952m	North East
1209258	care facility	child care	Kids 4 Care Family Day Care	959m	West
1006533	education centre	education complex		967m	West
760149	admin facility	municipal office	Maribyrnong City Council	968m	West
643096	reserve	park		973m	North East
1002232	commercial facility	shopping precinct		986m	North East
1009463	reserve	park	Bellair Street Reserve	987m	East
632966	community venue	hall	Footscray Town Hall	989m	West
654769	sign	emergency marker	POM503	990m	South
1150542	sport facility	sports ground		992m	North West

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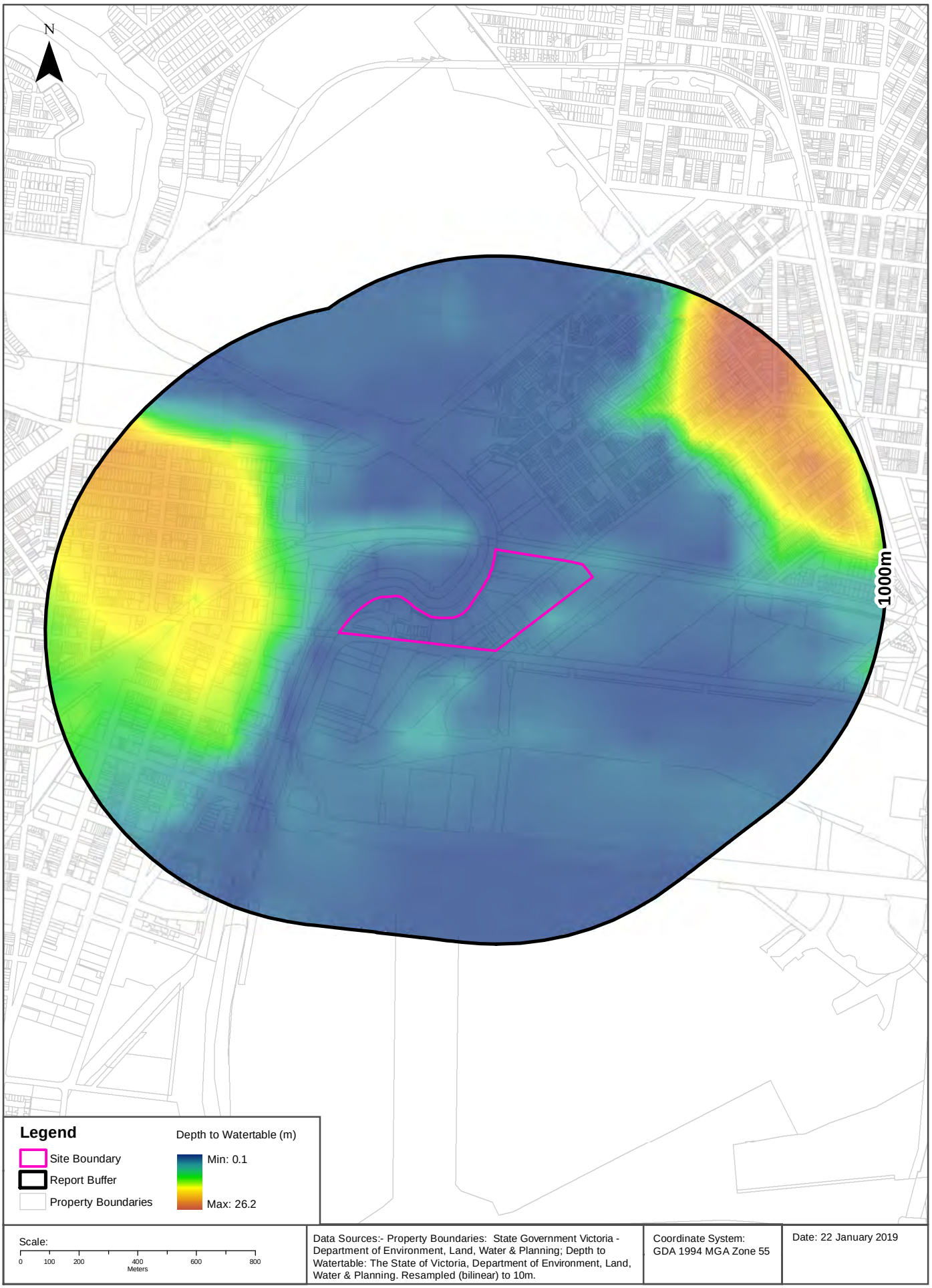
Depth to Watertable

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Data Sources:- Property Boundaries: State Government Victoria - Department of Environment, Land, Water & Planning; Depth to Watertable: The State of Victoria, Department of Environment, Land, Water & Planning. Resampled (bilinear) to 10m.

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

Hydrogeology & Groundwater

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Hydrogeology

Description of aquifers within the dataset buffer:

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

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
7,000 - 13,000 mg/l	95
13,000 - 35,000 mg/l	5

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
0 AHDm to 5 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
-48 AHDm to -37 AHDm

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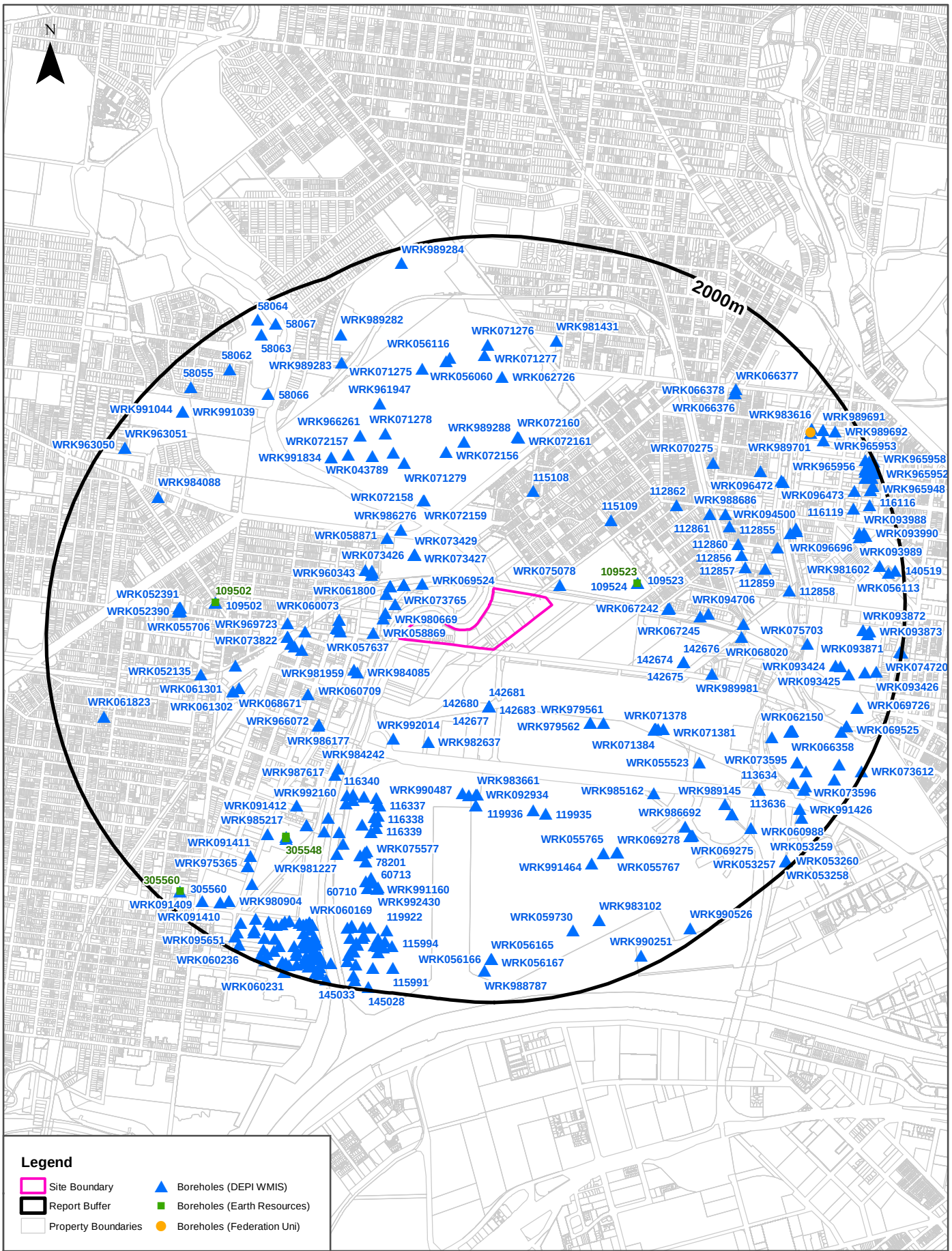
Groundwater Boreholes

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Groundwater Boreholes

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
WRK075078	Observation	0.00m-20.10m CLAY 20.10m-25.50m SAND 25.50m-30.10m CLAY 30.10m-33.90m SAND 33.90m-39.40m SILTSTONE	0.00m-17.20m OUTER LINING - GRAVEL = Cement 17.20m-19.20m OUTER LINING - GRAVEL = Bentonite 19.20m-23.40m OUTER LINING - GRAVEL = Seal 23.40m-39.40m OUTER LINING - GRAVEL = Bentonite			2013-06-15	104	North East
WRK058869	Observation	0.00m-4.00m fill 4.00m-12.50m highly weathered basalt	0.00m-5.40m INNER LINING - CASING = Pvc 5.40m-12.50m INNER LINING - SLOT = Pvc 0.00m-3.40m OUTER LINING - GRAVEL = Cement 3.40m-5.00m OUTER LINING - GRAVEL = Bentonite 5.00m-12.50m OUTER LINING - GRAVEL = Gravel		0.00m-5.40m Fill 5.40m-12.50m Basalt	2010-09-16	142	West
WRK980669							149	West
WRK057637	Observation	0.00m-1.10m fill 1.10m-16.30m weathered basalt	0.00m-10.40m INNER LINING - CASING = Pvc 10.40m-16.30m INNER LINING - SLOT = Pvc 0.00m-7.40m OUTER LINING - GRAVEL = Cement 7.40m-9.80m OUTER LINING - GRAVEL = Bentonite 9.80m-16.30m OUTER LINING - GRAVEL = Gravel		0.00m-10.40m Basalt 10.40m-16.30m Basalt	2010-09-24	151	West
WRK069611	Observation	0.00m-2.00m FILL 2.00m-5.50m SILT 5.50m-8.70m CLAY	0.00m-3.70m INNER LINING - CASING = Pvc 3.70m-8.70m INNER LINING - SCREEN = Pvc 0.00m-2.20m OUTER LINING - GRAVEL = Cement 2.20m-3.20m OUTER LINING - GRAVEL = Bentonite 3.20m-8.70m OUTER LINING - GRAVEL = Gravel		3.70m-8.70m Clay	2012-05-23	151	West
WRK069524	Observation	0.00m-5.00m FILL 5.00m-30.00m CLAY 30.00m-34.00m GRAVEL	0.00m-6.00m INNER LINING - CASING = Pvc Class 18 6.00m-9.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-5.50m OUTER LINING - GRAVEL = Bentonite 5.50m-9.00m OUTER LINING - GRAVEL = Seal 9.00m-34.00m OUTER LINING - GRAVEL = Bentonite			2012-06-29	191	North West
WRK073758	Observation	0.00m-0.00m NULL	2.30m-3.80m INNER LINING - SCREEN = Pvc 0.00m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-3.80m OUTER LINING - GRAVEL = Gravel			2013-04-02	213	North West
WRK073759	Observation	0.00m-0.00m NULL	0.00m-2.90m OUTER LINING - GRAVEL = Cement 2.90m-3.40m OUTER LINING - GRAVEL = Bentonite 3.40m-5.40m OUTER LINING - GRAVEL = Gravel			2013-04-02	213	North West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK073761	Observation	0.00m-0.00m NULL	0.00m-7.80m INNER LINING - CASING = Pvc 7.80m-9.30m INNER LINING - SCREEN = Pvc 0.00m-6.80m OUTER LINING - GRAVEL = Cement 6.80m-7.30m OUTER LINING - GRAVEL = Bentonite 7.30m-9.30m OUTER LINING - GRAVEL = Gravel			2013-04-03	213	North West
WRK073757	Observation	0.00m-0.00m NULL	0.00m-7.70m INNER LINING - CASING = Pvc 7.70m-9.20m INNER LINING - SCREEN = Pvc 0.00m-6.70m OUTER LINING - GRAVEL = Cement 6.70m-7.20m OUTER LINING - GRAVEL = Bentonite 7.20m-9.20m OUTER LINING - GRAVEL = Gravel			2013-04-02	213	North West
WRK073763	Observation	0.00m-0.00m NULL	0.00m-2.30m INNER LINING - CASING = Pvc 2.30m-3.80m INNER LINING - SCREEN = Pvc 0.00m-1.30m OUTER LINING - GRAVEL = Cement 1.30m-1.80m OUTER LINING - GRAVEL = Bentonite 1.80m-3.80m OUTER LINING - GRAVEL = Gravel			2013-04-03	213	North West
WRK073764	Observation	0.00m-0.00m NULL	0.00m-8.50m INNER LINING - CASING = Pvc 8.50m-10.00m INNER LINING - SCREEN = Pvc 0.00m-7.50m OUTER LINING - GRAVEL = Cement 7.50m-8.00m OUTER LINING - GRAVEL = Bentonite 8.00m-10.00m OUTER LINING - GRAVEL = Gravel			2013-03-24	213	North West
WRK073766	Observation	0.00m-0.00m NULL	0.00m-2.30m INNER LINING - CASING = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-3.80m OUTER LINING - GRAVEL = Gravel			2013-03-24	213	North West
WRK073760	Observation	0.00m-0.00m NULL	3.90m-5.40m INNER LINING - SCREEN = Pvc 0.00m-2.90m OUTER LINING - GRAVEL = Cement 2.90m-3.40m OUTER LINING - GRAVEL = Bentonite 3.40m-5.40m OUTER LINING - GRAVEL = Gravel			2013-04-04	213	North West
WRK073762	Observation	0.00m-0.00m NULL	0.00m-6.60m INNER LINING - CASING = Pvc 6.60m-8.10m INNER LINING - SCREEN = Pvc 0.00m-5.60m OUTER LINING - GRAVEL = Cement 5.60m-6.10m OUTER LINING - GRAVEL = Bentonite 6.10m-8.10m OUTER LINING - GRAVEL = Gravel			2013-04-03	213	North West
WRK073765	Observation	0.00m-0.00m NULL	0.00m-5.50m OUTER LINING - GRAVEL = Cement 5.50m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-8.00m OUTER LINING - GRAVEL = Gravel			2013-03-24	213	North West
WRK061800	Observation	0.00m-0.40m CLAY 0.40m-14.50m BASALT	0.00m-11.50m INNER LINING - CASING = Pvc 11.50m-14.50m INNER LINING - SCREEN = Pvc 0.00m-9.50m OUTER LINING - GRAVEL = Cement 9.50m-11.00m OUTER LINING - GRAVEL = Bentonite 11.00m-14.50m OUTER LINING - GRAVEL = Gravel		0.00m-11.50m Basalt 11.50m-14.50m Basalt	2011-04-02	228	West
WRK080054	Observation	0.00m-6.00m FILL 6.00m-8.50m CLAY	0.00m-6.50m INNER LINING - CASING = Pvc 6.50m-8.50m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-8.50m OUTER LINING - GRAVEL = Gravel		6.50m-8.50m Clay	2014-05-27	247	West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK080051	Observation	0.00m-6.00m FILL 6.00m-14.00m CLAY	0.00m-12.50m INNER LINING - CASING = Pvc 12.50m-14.00m INNER LINING - SCREEN = Pvc 0.00m-11.00m OUTER LINING - GRAVEL = Cement 11.00m-12.00m OUTER LINING - GRAVEL = Bentonite 12.00m-14.00m OUTER LINING - GRAVEL = Gravel		12.50m-14.00m Clay	2014-05-30	247	West
WRK080052	Observation	0.00m-6.00m FILL 6.00m-8.50m CLAY	0.00m-6.50m INNER LINING - CASING = Pvc 6.50m-8.50m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-8.50m OUTER LINING - GRAVEL = Gravel		6.50m-8.50m Clay	2014-05-30	247	West
WRK080053	Observation	0.00m-6.00m FILL 6.00m-14.00m CLAY	0.00m-12.50m INNER LINING - CASING = Pvc 12.50m-14.00m INNER LINING - SCREEN = Pvc 0.00m-11.00m OUTER LINING - GRAVEL = Cement 11.00m-12.00m OUTER LINING - GRAVEL = Bentonite 12.00m-14.00m OUTER LINING - GRAVEL = Gravel		12.50m-14.00m Clay	2014-05-30	247	West
WRK080050	Observation	0.00m-6.00m FILL 6.00m-9.80m SILT	0.00m-7.80m INNER LINING - CASING = Pvc 7.80m-9.80m INNER LINING - SCREEN = Pvc 0.00m-6.00m OUTER LINING - GRAVEL = Cement 6.00m-7.00m OUTER LINING - GRAVEL = Bentonite 7.00m-9.80m OUTER LINING - GRAVEL = Gravel		7.80m-9.80m Silt	2014-05-30	247	West
WRK080055	Observation	0.00m-6.00m FILL 6.00m-13.20m CLAY	0.00m-11.70m INNER LINING - CASING = Pvc 11.70m-13.20m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-11.00m OUTER LINING - GRAVEL = Bentonite 11.00m-13.20m OUTER LINING - GRAVEL = Gravel		11.70m-13.20m Clay	2014-05-30	247	West
WRK984085							305	West
WRK981959							310	West
142679	Groundwater Investigation		0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-3.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142682	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142684	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142685	Groundwater Investigation		0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
142683	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142680	Groundwater Investigation		0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-3.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142677	Groundwater Investigation		0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-3.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142681	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
142678	Groundwater Investigation		0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-3.00m OUTER LINING - GRAVEL = Gravel			1998-06-05	321	South
WRK057429	Observation					2010-02-16	335	West
WRK054386	Observation	0.00m-1.00m fill 1.00m-17.50m basalt	0.00m-14.50m INNER LINING - CASING = Pvc 14.50m-17.50m INNER LINING - SCREEN = Pvc 0.00m-13.00m OUTER LINING - GRAVEL = Cement 13.00m-14.00m OUTER LINING - GRAVEL = Bentonite 14.00m-17.50m OUTER LINING - GRAVEL = Gravel		0.00m-14.50m Basalt 14.50m-17.50m Basalt	2010-03-24	347	West
WRK054385	Observation	0.00m-1.00m fill 1.00m-17.50m basalt	0.00m-14.50m INNER LINING - CASING = Pvc 14.50m-17.50m INNER LINING - SCREEN = Pvc 0.00m-13.00m OUTER LINING - GRAVEL = Cement 13.00m-14.00m OUTER LINING - GRAVEL = Bentonite 14.00m-17.50m OUTER LINING - GRAVEL = Gravel		0.00m-14.50m Basalt 14.50m-17.50m Basalt	2010-03-24	349	West
WRK053009	Observation	0.00m-0.80m fill 0.80m-2.00m clay 2.00m-19.00m basalt	0.00m-15.00m INNER LINING - CASING = Pvc 15.00m-19.00m INNER LINING - SCREEN = Pvc 0.00m-14.00m OUTER LINING - GRAVEL = Cement 14.00m-15.00m OUTER LINING - GRAVEL = Bentonite 15.00m-19.00m OUTER LINING - GRAVEL = Gravel		0.00m-15.00m Basalt 15.00m-19.00m Basalt	2010-01-30	349	West
WRK057421	Observation	0.00m-15.00m basalt 15.00m-17.00m weathered basalt	0.00m-14.00m INNER LINING - CASING = Pvc 14.00m-17.00m INNER LINING - SCREEN = Pvc 0.00m-11.00m OUTER LINING - GRAVEL = Cement 11.00m-13.00m OUTER LINING - GRAVEL = Bentonite 13.00m-17.00m OUTER LINING - GRAVEL = Gravel		0.00m-14.00m Basalt 14.00m-17.00m Basalt	2010-06-08	349	West
WRK060072	Observation	0.00m-0.50m fill 0.50m-3.20m clay 3.20m-17.00m basalt	0.00m-13.00m INNER LINING - CASING = Pvc 13.00m-17.00m INNER LINING - SCREEN = Pvc 0.00m-11.00m OUTER LINING - GRAVEL = Cement 11.00m-12.50m OUTER LINING - GRAVEL = Bentonite 12.50m-17.00m OUTER LINING - GRAVEL = Gravel		13.00m-17.00m Basalt		357	West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK073426	Observation	0.00m-1.00m FILL 1.00m-4.00m CLAY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Clay	2013-02-28	357	North West
WRK060073	Observation					2010-12-17	357	West
WRK073427	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-02-28	357	North West
WRK073430	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-02-28	357	North West
WRK073429	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-02-28	358	North West
WRK073428	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-02-28	358	North West
WRK073431	Observation	0.00m-0.00m NULL	0.00m-0.00m OUTER LINING - GRAVEL = Not Known			2013-02-28	360	North West
WRK057430	Observation					2010-02-16	361	West
WRK960353	Groundwater Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			2002-12-11	364	North West
WRK960352	Groundwater Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			2002-12-11	369	North West
WRK960351	Groundwater Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			2002-12-11	378	North West
WRK960343	Groundwater Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAY	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			2002-12-11	407	North West
WRK058871	Observation	0.00m-0.20m concrete 0.20m-0.50m fill 0.50m-3.50m silty sand	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.50m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.50m OUTER LINING - GRAVEL = Gravel		0.00m-1.00m Sand 1.00m-3.50m Sand	2010-09-16	493	North West
109524	Observation, State Observation Network			Date/time: 1986-04-30 0000 Quality: 43 WLMP: DBNS: 2.94m RWL: -1.67mAHD		1971-06-02	500	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
109523	Observation, State Observation Network	0.00m-8.50m FILLING AND BLACK SILTY SAND 8.50m-11.60m BASALT BLACK BROKEN 11.60m-13.10m SOLID BLACK BASALT 13.10m-13.70m BROKEN BASALT 13.70m-14.60m SOLID AND BROKEN BLACK AND BROWN BASALT 14.60m-16.20m SOLID AND BROKEN BASALT 16.20m-17.70m BROWN BASALT BROKEN 17.70m-19.20m DECOM BASALT CLAY 19.20m-23.77m SANDY CLAY		Date/time: 1986-04-30 0000 Quality: 43 WLMP: DBNS: 2.94m RWL: -1.64mAHD		1971-06-02	500	East
WRK986276							514	North West
WRK988210	Groundwater Investigation		5.50m-8.50m INNER LINING - CASING = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.80m OUTER LINING - GRAVEL = Not Known			2008-10-21	534	West
WRK091413	Investigation	0.00m-10.00m SANDS/CLAY 10.00m-38.20m VOLCANICS/OLDER 38.20m-58.00m BASALT/COMPETANT 58.00m-60.00m CLAYSTONE	0.00m-40.00m INNER LINING - CASING = UPVC class 18 40.00m-43.00m INNER LINING - SCREEN = UPVC class 18 0.00m-38.50m OUTER LINING - GRAVEL = Cement 38.50m-39.50m OUTER LINING - GRAVEL = Bentonite 39.50m-43.50m OUTER LINING - GRAVEL = Gravel 43.50m-60.00m OUTER LINING - GRAVEL = Cement		40.00m-43.00m Sand	2016-02-01	555	West
WRK982637							560	South West
WRK992014							565	South West
115109	Groundwater Investigation	0.00m-4.50m SILTY CLAT MOTTLED BROWN GREY 4.50m-10.00m BASALT FINE GRAIN GREY BROWN	0.00m-4.40m INNER LINING - CASING = Pvc 4.40m-10.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-10.00m OUTER LINING - GRAVEL = Gravel		4.40m-10.00m Basalt	1992-09-02	572	North East
115108	Groundwater Investigation	0.00m-2.50m CLAYEY SAND GRAVEL BROWN GREY 2.50m-10.00m COODE ISLAND SILT DARK GREY SOME SHELL 10.00m-17.00m SANDY CLAY GREY SAND FINE 17.00m-20.00m SANDY CLAYEY SILT GREY FINE TO MEDIUM SAND	0.00m-13.60m INNER LINING - CASING = Pvc 13.60m-19.60m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-19.60m OUTER LINING - GRAVEL = Gravel		13.60m-19.60m Clay	1992-09-01	580	North
WRK988212	Groundwater Investigation		6.00m-12.00m INNER LINING - CASING = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-0.50m OUTER LINING - GRAVEL = Not Known 0.50m-5.50m OUTER LINING - GRAVEL = Not Known 5.50m-12.00m OUTER LINING - GRAVEL = Gravel			2008-11-12	595	West
WRK060709	Observation	0.00m-0.70m FILL 0.70m-2.90m CLAY 2.90m-15.00m BASALT	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-15.00m INNER LINING - SCREEN = Pvc 0.00m-8.00m OUTER LINING - GRAVEL = Cement 8.00m-9.50m OUTER LINING - GRAVEL = Bentonite 9.50m-15.00m OUTER LINING - GRAVEL = Gravel		0.00m-10.00m Basalt 10.00m-15.00m Basalt	2011-01-24	603	West
WRK057796	Observation	0.00m-0.10m asphalt 0.10m-0.50m fill 0.50m-1.20m clay 1.20m-10.50m basalt	0.00m-6.50m INNER LINING - CASING = Pvc 6.50m-10.50m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-6.00m OUTER LINING - GRAVEL = Bentonite 6.00m-10.50m OUTER LINING - GRAVEL = Gravel		0.00m-6.50m Basalt 6.50m-10.50m Basalt	2010-07-19	613	West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK072159	Observation	0.00m-1.00m FILL 1.00m-18.00m SEDIMENTARY 18.00m-24.00m SILT 24.00m-30.00m SAND	0.50m-27.00m INNER LINING - CASING = Pvc 27.00m-30.00m INNER LINING - SCREEN = Stainless Steel 0.00m-25.00m OUTER LINING - GRAVEL = Cement 25.00m-26.00m OUTER LINING - GRAVEL = Bentonite 26.00m-30.00m OUTER LINING - GRAVEL = Gravel			2013-03-28	632	North West
WRK073821	Observation					2006-01-01	633	West
WRK073823	Observation					2006-01-01	633	West
WRK073822	Observation					2006-01-01	633	West
WRK073824	Observation					2006-01-01	633	West
WRK072158	Observation	0.00m-1.00m BASALT 1.00m-18.00m SEDIMENTARY	0.50m-21.00m INNER LINING - CASING = Pvc 21.00m-24.00m INNER LINING - SCREEN = Stainless Steel 24.00m-24.50m INNER LINING - CASING = Pvc 0.00m-19.00m OUTER LINING - GRAVEL = Cement 19.00m-20.00m OUTER LINING - GRAVEL = Bentonite 20.00m-24.50m OUTER LINING - GRAVEL = Gravel			2013-04-03	639	North West
WRK969723						2005-06-02	639	West
WRK067241	Observation	0.00m-1.50m FILL 1.50m-14.50m CLAY 14.50m-17.50m BASALT	0.00m-14.50m INNER LINING - CASING = Pvc 14.50m-17.50m INNER LINING - SCREEN = Pvc 0.00m-9.00m OUTER LINING - GRAVEL = Cement 9.00m-11.00m OUTER LINING - GRAVEL = Bentonite 11.00m-17.50m OUTER LINING - GRAVEL = Gravel		14.50m-17.50m Basalt	2011-12-01	655	East
WRK979562	Domestic & Stock		0.00m-60.00m INNER LINING - CASING = Pvc 60.00m-66.00m INNER LINING - SCREEN = Pvc 0.00m-37.00m OUTER LINING - GRAVEL = Cement			2007-06-25	661	South East
WRK979557	Domestic & Stock, Groundwater Investigation	0.00m-2.50m FILL, BRICKS & RUBBLE 2.50m-18.00m COODE ISLAND SILT 18.00m-31.00m FISHERMANS BEND CLAY 31.00m-33.00m SAND, FINE 10 MEDIUM GRADE 33.00m-42.00m GRAVEL 42.00m-46.00m SILTSTONE, DAR GREY, DW 46.00m-79.00m SILTSTONE, MW, SOME FRACTIONS	0.00m-72.00m INNER LINING - CASING = Pvc 72.00m-78.00m INNER LINING - SCREEN = Pvc 78.00m-79.00m INNER LINING - CASING = Pvc 0.00m-15.00m OUTER LINING - GRAVEL = Seal 15.00m-37.00m OUTER LINING - GRAVEL = Cement 37.00m-48.00m OUTER LINING - GRAVEL = Cement			2007-06-14	661	South East
WRK067242	Observation					2012-12-08	661	East
WRK966072	Domestic & Stock	0.00m-0.20m CONCRETE SURFACE 0.20m-1.40m FILL, SILTY BROWN CLAY 1.40m-2.40m WEATHERED BASALT 2.40m-12.00m SILTY GREY/BROWN CLAY	0.00m-3.00m INNER LINING - CASING = Pvc Class 18 3.00m-12.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-12.00m OUTER LINING - GRAVEL = Gravel			2004-10-08	664	South West
WRK067243	Observation					2011-12-14	665	East
WRK986177	Groundwater Investigation	0.00m-1.30m fill 1.30m-4.00m clay 4.00m-7.00m sandy clay 7.00m-13.00m brown clay	0.00m-6.00m INNER LINING - CASING = Pvc 6.00m-13.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-5.50m OUTER LINING - GRAVEL = Bentonite 5.50m-13.00m OUTER LINING - GRAVEL = Gravel			2009-02-10	672	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK979561	Domestic & Stock, Groundwater Investigation	0.00m-2.50m FILL, BRICKS, RUBBLE 2.50m-18.00m COODE ISLAND SILT 18.00m-31.00m FISHERMANS BEND CLAY 31.00m-33.00m SAND, FINE TO MEDIUM GRADE 33.00m-42.00m GRAVEL 42.00m-46.00m SILTSTONE, DARK GREY, DW 46.00m-79.00m SILTSTONE, MW, SOME FRACTIONS	0.00m-60.00m INNER LINING - CASING = Pvc 60.00m-66.00m INNER LINING - SCREEN = Pvc 0.00m-37.00m OUTER LINING - GRAVEL = Cement			2007-06-25	708	South East
142674	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Bentonite			1998-05-21	811	East
142676	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1998-05-21	811	East
142675	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-2.50m OUTER LINING - GRAVEL = Cement 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1998-05-21	811	East
WRK984242							812	South West
WRK072156	Observation	0.00m-14.00m SILT 14.00m-15.00m SAND 15.00m-18.00m SAND	0.50m-15.00m INNER LINING - CASING = Pvc 15.00m-18.00m INNER LINING - SLOT = Pvc 18.00m-18.50m INNER LINING - CASING = Pvc 0.00m-13.00m OUTER LINING - GRAVEL = Cement 13.00m-14.00m OUTER LINING - GRAVEL = Bentonite 14.00m-18.50m OUTER LINING - GRAVEL = Gravel			2013-03-20	817	North
WRK983661							824	South
WRK990487	Groundwater Investigation	0.00m-0.80m fill 0.80m-4.00m sandy silty dark clay	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.00m OUTER LINING - GRAVEL = Gravel			2009-04-03	825	South
WRK092934	Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAYEY SILT	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			2016-03-18	826	South
WRK092933	Investigation	0.00m-1.50m FILL 1.50m-5.50m CLAYEY SILT	0.00m-3.00m INNER LINING - CASING = Pvc Class 18 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-5.50m OUTER LINING - GRAVEL = Gravel			2016-03-18	833	South
WRK067245	Observation					2012-01-12	840	East
WRK989288							849	North
WRK987617							853	South West
WRK072161	Observation	0.00m-2.00m FILL 2.00m-21.00m SEDIMENTARY 21.00m-24.00m SAND 24.00m-28.00m CLAY 28.00m-30.00m SAND	0.00m-6.00m INNER LINING - CASING = Pvc 6.00m-28.00m INNER LINING - CASING = Pvc 28.00m-30.00m INNER LINING - SLOT = Pvc			2013-03-23	867	North

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK072160	Observation	0.00m-2.00m FILL 2.00m-21.00m SEDIMENTARY 21.00m-24.00m SAND	0.50m-21.00m INNER LINING - CASING = Pvc 21.00m-24.00m INNER LINING - SLOT = Pvc 0.00m-19.00m OUTER LINING - GRAVEL = Cement 19.00m-20.00m OUTER LINING - GRAVEL = Bentonite 20.00m-24.00m OUTER LINING - GRAVEL = Gravel			2013-03-25	869	North
WRK071279	Disposal, Irrigation	0.00m-20.00m CLAY 20.00m-24.00m SAND 24.00m-25.50m GRAVEL 25.50m-26.00m CLAY	0.00m-10.00m INNER LINING - CASING = Pvc 19.00m-22.50m INNER LINING - SCREEN = Stainless Steel 22.50m-23.50m INNER LINING - CASING = Stainless Steel 0.00m-15.00m OUTER LINING - GRAVEL = Cement 15.00m-17.00m OUTER LINING - GRAVEL = Bentonite 17.00m-26.00m OUTER LINING - GRAVEL = Gravel			2013-05-21	872	North West
WRK094706	Investigation	0.00m-1.20m FILL 1.20m-9.95m BASALT 9.95m-21.65m CLAY 21.65m-23.50m SILTY SAND 23.50m-30.90m GRAVELLY SAND 30.90m-35.00m SILTSTONE	0.00m-23.00m INNER LINING - CASING = Pvc 23.00m-26.00m INNER LINING - SCREEN = Pvc 0.00m-20.50m OUTER LINING - GRAVEL = Cement 20.50m-22.50m OUTER LINING - GRAVEL = Bentonite 22.50m-26.30m OUTER LINING - GRAVEL = Gravel 26.30m-35.00m OUTER LINING - GRAVEL = Bentonite			2016-05-07	886	East
WRK990604	Groundwater Investigation	0.00m-0.90m fill 0.90m-4.50m silty clays	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-4.50m INNER LINING - SCREEN = Pvc 0.00m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-4.50m OUTER LINING - GRAVEL = Gravel			2009-04-07	888	South
WRK990615	Groundwater Investigation	0.00m-2.00m fill materials 2.00m-3.50m clay silt	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-3.50m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.80m OUTER LINING - GRAVEL = Bentonite 1.80m-3.50m OUTER LINING - GRAVEL = Gravel			2009-04-14	888	South
112862	Groundwater Investigation	0.00m-0.20m ROAD FILL 0.20m-2.00m CLAY BROWN SILGHTLY MOIST 2.00m-2.80m CLAY BROWN/GREY SILGHTLY MOIST 2.80m-5.70m CLAY LIGHT BROWN SOFT MOIST 5.70m-10.50m DARK BROWN CLAY SOFT MOIST 10.50m-20.50m BASALT MEDIUMLY WEATHERED - HIGHLY WEATHERED 20.50m-28.00m SILTSTONE BROWN WHITE YELLOW	0.00m-16.00m INNER LINING - CASING = Pvc 16.00m-28.00m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		16.00m-28.00m Siltstone	1992-01-30	903	North East
116336	Groundwater Investigation	0.00m-0.40m SILTY GRAVEL GREY 0.40m-2.00m SILTY CLAY GREENISH GREY BRICK / GRAVEL (FILL) 2.00m-4.00m SANDY SILT BLACK WET SOFT	-0.50m-1.70m INNER LINING - CASING = Pvc 1.70m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.70m-1.20m OUTER LINING - GRAVEL = Bentonite 1.20m-3.70m OUTER LINING - GRAVEL = Gravel		1.70m-4.00m Silt	1993-08-02	911	South West
WRK071383	Observation					2012-10-24	911	South East
WRK071388	Observation					2012-10-25	911	South East
WRK071376	Observation					2012-10-26	914	South East
WRK071373	Observation					2012-10-26	914	South East
WRK071371	Observation	0.00m-4.00m FILL	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Fill	2012-10-26	914	South East

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WRK071382	Observation					2012-10-24	914	South East
WRK071379	Observation					2012-10-21	914	South East
WRK071385	Observation					2012-10-23	914	South East
WRK071374	Observation					2012-10-26	914	South East
WRK071375	Observation					2012-10-26	914	South East
WRK071384	Observation					2012-10-19	914	South East
WRK071372	Observation					2012-10-26	914	South East
WRK071378	Observation	0.00m-3.50m FILL	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.50m INNER LINING - SCREEN = Pvc 0.00m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.50m OUTER LINING - GRAVEL = Gravel		1.00m-3.50m Fill	2012-10-21	914	South East
WRK071377	Observation					2012-10-26	914	South East
116341	Groundwater Investigation	0.00m-0.40m SILTY GRAVEL 50MM COMPACT DARK GREY 0.40m-1.80m SILTY CLAY GREENISH GREY MOIST FIRM (FILL) 1.80m-4.00m SILTY CLAY CLAYEY SILT GREY SOFT	-0.50m-1.75m INNER LINING - CASING = Pvc 1.75m-3.75m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.90m-1.40m OUTER LINING - GRAVEL = Bentonite 1.40m-4.00m OUTER LINING - GRAVEL = Gravel		1.75m-3.75m Silt	1993-08-02	914	South West
WRK071386	Observation					2012-10-23	917	South East
116340	Groundwater Investigation	0.00m-1.80m SILTY CLAY BLACK MOIST SOFT SOME METAL 1.80m-4.00m SILT BLACK SOFT WET	-0.50m-2.00m INNER LINING - CASING = Pvc 2.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 1.20m-1.70m OUTER LINING - GRAVEL = Bentonite 1.70m-4.00m OUTER LINING - GRAVEL = Gravel		2.00m-4.00m Silt	1993-08-02	920	South West
WRK071380	Observation	0.00m-4.50m FILL	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.50m OUTER LINING - GRAVEL = Gravel		1.00m-4.50m Fill	2012-10-24	923	South East
WRK992160							935	South West
119936	Groundwater Investigation	0.00m-2.00m FILL & CONCRETE 2.00m-3.00m SOFT TO FIRM BLACK / GREY SILT 3.00m-4.00m FIRM BLACK SILTY SAND 4.00m-6.00m FIRM TO STIFF BROWN MOTTLED CLAY	-0.40m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 4.50m-6.00m INNER LINING - CASING = Pvc Class 18 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-4.50m OUTER LINING - GRAVEL = Gravel 4.50m-6.00m OUTER LINING - GRAVEL = Bentonite		1.50m-4.50m Clay	1992-02-26	937	South
WRK983919							939	West
111989	Groundwater Investigation	0.00m-0.30m FILL LOOSE BROWN ROCK 0.30m-2.40m SOFT GREY BROWN SILTY CLAY 2.40m-3.80m SOFT BROWN BLACK SILTY CLAY	-0.50m-0.80m INNER LINING - CASING = Pvc Class 12 0.80m-3.80m INNER LINING - SCREEN = Pvc Class 12 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.65m OUTER LINING - GRAVEL = Bentonite 0.63m-3.80m OUTER LINING - GRAVEL = Gravel		0.80m-3.80m Clay	1991-09-30	940	South West
WRK071381	Observation					2012-10-24	943	South East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
116337	Groundwater Investigation	0.00m-0.50m GRAVELLY SILT DARK GREY 0.50m-1.00m CLAY YELLOW BROWN DRY 1.00m-1.70m CLAY BROWN DRY 1.70m-2.80m SANDY SILT DARK GREY BLACK MOIST SOFT (FILL) 2.80m-4.00m SILT DARK GREY/BLACK WET	-0.50m-2.00m INNER LINING - CASING = Pvc 2.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-4.00m OUTER LINING - GRAVEL = Gravel		2.00m-4.00m Silt	1993-08-03	948	South West
111990	Groundwater Investigation	0.00m-0.50m FILL BROWN SAND GRAVEL 0.50m-1.80m SOFT BROWN SILTY CLAY 1.80m-4.00m SOFT GREY SILTY CLAY	-0.50m-1.00m INNER LINING - CASING = Pvc Class 12 1.00m-4.00m INNER LINING - SCREEN = Pvc Class 12 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-0.90m OUTER LINING - GRAVEL = Bentonite 0.90m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Clay	1991-09-27	949	South West
WRK056117	Irrigation	0.00m-1.00m top soil 1.00m-6.00m coode island silts 6.00m-16.00m clay 16.00m-17.00m gravel 17.00m-24.00m coarse gravels 24.00m-25.00m finer gravels 25.00m-28.00m coarse gravels 28.00m-34.00m blue clays basaltic	0.00m-17.00m INNER LINING - CASING = Pvc 17.00m-21.00m INNER LINING - SCREEN = Pvc 21.00m-25.00m INNER LINING - CASING = Pvc 25.00m-28.00m INNER LINING - SCREEN = Pvc		0.00m-17.00m Clay	2010-06-12	950	North West
WRK068671	Observation	0.00m-2.80m CLAY 2.80m-5.40m BASALT 5.40m-16.00m SAND	0.00m-11.50m INNER LINING - CASING = Pvc 11.50m-16.00m INNER LINING - SCREEN = Pvc 0.00m-9.50m OUTER LINING - GRAVEL = Cement 9.50m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-16.00m OUTER LINING - GRAVEL = Gravel		11.50m-16.00m Sand	2012-05-08	950	West
WRK043789							963	North West
119935	Groundwater Investigation	0.00m-1.00m FILL & GRAVEL 1.00m-4.00m FIRM BLACK / GREY SILTY CLAY 4.00m-5.00m STIFF BROWN MOTTLED CLAY	-0.40m-2.00m INNER LINING - CASING = Pvc Class 18 2.00m-5.00m INNER LINING - SCREEN = Pvc Class 18 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Gravel		2.00m-5.00m Clay	1992-02-25	975	South
111991	Groundwater Investigation	0.00m-1.50m FILL FIRM BROWN SILTY CLAY, SLAG GRAVEL 1.50m-4.18m SOFT GREY BLACK SILTY CLAY	-0.50m-1.18m INNER LINING - CASING = Pvc Class 12 1.18m-4.18m INNER LINING - SCREEN = Pvc Class 12 0.00m-0.61m OUTER LINING - GRAVEL = Cement 0.61m-0.95m OUTER LINING - GRAVEL = Bentonite 0.91m-4.18m OUTER LINING - GRAVEL = Gravel		1.18m-4.18m Clay	1991-09-27	979	South West
WRK989981							984	East
WRK061302	Observation	0.00m-0.50m FILL 0.50m-1.00m CLAY 1.00m-8.50m BASALT 8.50m-16.00m CLAY	0.00m-12.00m INNER LINING - CASING = Pvc 12.00m-16.00m INNER LINING - SCREEN = Pvc 0.00m-10.50m OUTER LINING - GRAVEL = Cement 10.50m-11.50m OUTER LINING - GRAVEL = Bentonite 11.50m-16.00m OUTER LINING - GRAVEL = Gravel		0.00m-12.00m Basalt 12.00m-16.00m Clay	2011-05-06	989	West
WRK061301	Observation	0.00m-0.30m FILL 1.00m-7.80m BASALT 7.80m-14.00m CLAY	0.00m-11.00m INNER LINING - CASING = Pvc 11.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-6.80m OUTER LINING - GRAVEL = Cement 6.80m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-14.00m OUTER LINING - GRAVEL = Gravel		0.00m-11.00m Basalt 11.00m-14.00m Sand	2011-03-17	989	West
116338	Groundwater Investigation	0.00m-2.20m GRAVELL LOOSE / SILT (FILL) 2.20m-4.00m SILT SHELLY WET DARK GREY SOFT	-0.50m-2.00m INNER LINING - CASING = Pvc 2.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-4.00m OUTER LINING - GRAVEL = Gravel		2.00m-4.00m Silt	1993-08-03	1009	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK072157	Observation	0.00m-2.00m SOIL 2.00m-9.00m SILT 9.00m-27.00m CLAY 27.00m-28.00m SAND 28.00m-30.00m CLAY	25.00m-27.00m INNER LINING - CASING = Pvc 27.00m-30.00m INNER LINING - SLOT = Pvc 0.00m-25.00m OUTER LINING - GRAVEL = Cement 25.00m-26.00m OUTER LINING - GRAVEL = Bentonite 26.00m-30.00m OUTER LINING - GRAVEL = Gravel			2013-04-05	1015	North West
142473	Groundwater Investigation		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			1996-09-29	1022	South West
112861	Groundwater Investigation	0.00m-6.40m CLAY STIFF BROWN 6.40m-20.00m BASALT MEDIUMLY WEATHERED - HEIGHLY WEATHERED 20.00m-21.00m SILTY SAND MOIST DENSE 21.00m-23.00m SILTSTONE GREY / BROWN	0.00m-17.00m INNER LINING - CASING = Pvc 17.00m-23.00m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		17.00m-23.00m Siltstone	1992-01-23	1032	North East
116343	Groundwater Investigation	0.00m-1.70m SILTY CLAY GRAVEL RUBBLE (FILL) 1.70m-5.00m SILT DARK GREY BROWN WET (COODE ISLAND SILT) 5.00m-8.00m STIFFER DARK GREEN MOIST FIRM (FISHERMAN BEND SILT)	-0.50m-4.00m INNER LINING - CASING = Pvc 4.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 2.00m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-8.00m OUTER LINING - GRAVEL = Gravel		4.00m-8.00m Silt	1993-08-03	1040	South West
WRK991834							1045	North West
109503	Observation, State Observation Network		0.00m-2.90m INNER LINING - CASING = Steel	Date/time: 1985-10-24 0000 Quality: 43 WLMP: DBNS: RWL:		1972-09-27	1061	West
109504	Observation, State Observation Network		0.00m-2.90m INNER LINING - CASING = Steel	Date/time: 1985-10-24 0000 Quality: 43 WLMP: DBNS: RWL:		1972-09-27	1061	West
109502	Observation, State Observation Network	0.00m-0.30m BLACK CLAY 0.30m-1.50m BROWN BLACK CLAY BRICKS RUBBISH 1.50m-3.40m BROWN CLAY 3.40m-4.00m BROWN SILTY CLAY 'SOAK' 4.00m-8.50m YELLOW BROWN CLAY 8.50m-9.10m YELLOW BROWN SILTY CLAY GRAVEL 'WATER' 9.10m-14.30m BROWN YELLOW GREY CLAY 14.30m-18.60m LARGE WATER WORN GRAVEL 'WATER' 18.60m-22.90m BROWN GREY SILTY CLAY 22.90m-27.43m BLUE SILTY CLAY	0.00m-2.90m INNER LINING - CASING = Steel	Date/time: 1985-10-24 0000 Quality: 43 WLMP: DBNS: RWL:		1972-09-27	1061	West
WRK071278	Disposal, Irrigation	0.00m-16.00m CLAY 16.00m-17.00m SAND 17.00m-19.00m CLAY 19.00m-23.00m GRAVEL 23.00m-24.00m CLAY 24.00m-28.00m GRAVEL 28.00m-31.00m BASALT 31.00m-34.00m CLAY	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-18.00m INNER LINING - CASING = Pvc 18.00m-26.00m INNER LINING - SCREEN = Stainless Steel 26.00m-27.00m INNER LINING - CASING = Stainless Steel 0.00m-14.00m OUTER LINING - GRAVEL = Cement 14.00m-16.00m OUTER LINING - GRAVEL = Bentonite 16.00m-34.00m OUTER LINING - GRAVEL = Gravel			2013-05-21	1065	North West
116342	Groundwater Investigation	0.00m-1.00m CLAYEY GRAVEL YELLOW MOIST FIRM 1.00m-1.70m CLAYEY SILT BLACK VERY SOFT (FILL) 1.70m-3.50m SILT BLACK WET SOFT (COOD ISLAND SILT) 3.50m-4.00m SANDY CLAY YELLOW (FISHERMAN BEND SILT)	-0.50m-1.50m INNER LINING - CASING = Pvc 1.50m-3.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-3.50m OUTER LINING - GRAVEL = Gravel		1.50m-3.50m Silt	1993-08-04	1073	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
116339	Groundwater Investigation	0.00m-1.20m SILTY CLAYEY GRAVEL DARK GREY MOIST 1.20m-2.90m SILTY CLAY DARK GREY GREEN MOIST FIRM 2.90m-4.00m SILT DARK GREY / BLACK WET SOFT	-0.50m-2.00m INNER LINING - CASING = Pvc 2.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-4.00m OUTER LINING - GRAVEL = Gravel		2.00m-4.00m Silt	1993-08-03	1080	South West
WRK067244	Observation					2012-01-06	1087	East
WRK068020	Observation					2012-01-19	1089	East
WRK990104							1090	South West
WRK966261	Groundwater Investigation	0.00m-2.00m TOP SOIL 2.00m-20.00m SILTY SAND (COODE ISLAND SILT) 20.00m-35.00m COARSE WET GRAVEL 35.00m-40.00m SILT 40.00m-200.00m MUDSTONE	0.00m-54.00m INNER LINING - CASING = Pvc 0.00m-54.00m OUTER LINING - GRAVEL = Cement			2004-07-07	1091	North West
112855	Groundwater Investigation	0.00m-0.30m ROAD & GRAVEL FILL WITH SOME CLAY 0.30m-19.00m BASALT M W TO FRESH	0.00m-16.00m INNER LINING - CASING = Pvc 16.00m-19.00m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		16.00m-19.00m Basalt	1992-01-24	1099	East
111988	Groundwater Investigation	0.00m-0.15m FILL BITUMEN 0.15m-0.60m GRAVEL & SILT 0.60m-2.30m FIRM BROWN BLANK SILTY CLAY 2.30m-3.90m SOFT BROWN SILTY CLAY	-0.50m-0.65m INNER LINING - CASING = Pvc Class 12 0.65m-3.90m INNER LINING - SCREEN = Pvc Class 12 0.00m-0.25m OUTER LINING - GRAVEL = Cement 0.25m-0.65m OUTER LINING - GRAVEL = Bentonite 0.65m-3.90m OUTER LINING - GRAVEL = Gravel		0.65m-3.90m Clay	1991-09-30	1104	South West
WRK091412	Investigation	0.00m-33.20m SANDS/CLAY 33.20m-50.00m VOLCANICS/OLDER	0.00m-24.00m INNER LINING - CASING = UPVC class 18 24.00m-27.00m INNER LINING - SCREEN = UPVC class 18 0.00m-22.50m OUTER LINING - GRAVEL = Cement 22.50m-23.50m OUTER LINING - GRAVEL = Bentonite 23.50m-27.50m OUTER LINING - GRAVEL = Gravel 27.50m-50.00m OUTER LINING - GRAVEL = Cement		24.00m-27.00m Sand	2016-01-18	1108	South West
WRK988686	Domestic		0.00m-12.40m OUTER LINING - GRAVEL = Cement 12.40m-13.40m OUTER LINING - GRAVEL = Bentonite 13.40m-17.40m OUTER LINING - GRAVEL = Gravel			2008-11-13	1109	North East
112860	Groundwater Investigation	0.00m-11.00m SANDY CLAY SILTY CLAY SLIGHTLY MOIST 11.00m-13.50m SILTY SAND GREY BROWN MOIST	0.00m-7.50m INNER LINING - CASING = Pvc 7.50m-13.50m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		7.50m-13.50m Sand	1992-01-23	1109	East
112856	Groundwater Investigation	0.00m-10.50m SILTY CLAY YELLOW BROWN MOIST 10.50m-17.00m SILTY SAND YELLOW BROWN MED/COARSE MOIST	0.00m-13.00m INNER LINING - CASING = Pvc 13.00m-17.00m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		13.00m-17.00m Basalt	1992-02-21	1111	East
112857	Groundwater Investigation	0.00m-3.00m SILTY CLAY BROWN YELLOW MOIST 3.00m-15.00m E W BASALT YELLOW BROWN 15.00m-18.00m SILTY SAND FINE-COARSE YELLOW BROWN MOIST	0.00m-13.00m INNER LINING - CASING = Pvc 13.00m-18.00m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		13.00m-18.00m Basalt	1992-02-24	1115	East
WRK052135	Observation	0.00m-0.50m silty sand 0.50m-2.20m basaltic clay 2.20m-10.70m basalt 10.70m-25.00m basaltic clay	0.00m-21.00m INNER LINING - CASING = Pvc 21.00m-25.00m INNER LINING - SLOT = Pvc 0.00m-15.00m OUTER LINING - GRAVEL = Cement 15.00m-20.00m OUTER LINING - GRAVEL = Bentonite 20.00m-25.00m OUTER LINING - GRAVEL = Gravel		0.00m-21.00m Basalt 21.00m-25.00m Clay	2009-11-16	1141	West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
111992	Groundwater Investigation	0.00m-0.35m FILL SILTY CLAY 0.35m-1.30m LOOSE BROWN SAND 1.30m-3.43m SOFT GREY SILTY CLAY	-0.50m-0.43m INNER LINING - CASING = Pvc Class 12 0.43m-3.43m INNER LINING - SCREEN = Pvc Class 12 0.00m-0.10m OUTER LINING - GRAVEL = Cement 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.43m OUTER LINING - GRAVEL = Gravel		0.43m-3.43m Clay	1991-09-27	1144	South West
WRK990103							1169	South West
WRK089106	Investigation	0.00m-1.50m CLAY/TOPSOIL 1.50m-14.50m VOLCANICS/NEWER 14.50m-38.00m BRIGHTON GROUP	0.00m-34.00m INNER LINING - CASING = UPVC class 18 34.00m-37.00m INNER LINING - SCREEN = UPVC class 18 0.00m-32.50m OUTER LINING - GRAVEL = Cement 32.50m-33.50m OUTER LINING - GRAVEL = Bentonite 33.50m-38.00m OUTER LINING - GRAVEL = Gravel		34.00m-37.00m Sand	2015-10-22	1180	South West
WRK089105	Investigation	0.00m-1.00m CLAY/FILL 1.00m-15.00m VOLCANICS/NEWER 15.00m-43.00m BRIGHTON/CLAY/SILT/SANDS 43.00m-60.00m VOLCANICS/OLDER	0.00m-17.00m INNER LINING - CASING = UPVC class 18 17.00m-20.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-15.50m OUTER LINING - GRAVEL = Cement 15.50m-16.50m OUTER LINING - GRAVEL = Bentonite 16.50m-20.50m OUTER LINING - GRAVEL = Gravel 20.50m-60.00m OUTER LINING - GRAVEL = Cement		17.00m-20.00m Sand	2015-10-22	1180	South West
WRK985162							1197	South East
WRK062726	Irrigation	0.00m-1.00m TOP SOIL BRICKS 1.00m-16.00m MARINE SEDIMENT 16.00m-21.00m SAND& CLAY BROWN 21.00m-23.00m SANDCOARSE BROWN 23.00m-25.00m CLAYBROWN 25.00m-31.50m SAND& GRAVEL 31.50m-32.00m BASALT	0.50m-26.00m INNER LINING - CASING = Pvc 26.00m-32.00m INNER LINING - SCREEN = Stainless Steel 0.00m-24.00m OUTER LINING - GRAVEL = Cement 24.00m-26.00m OUTER LINING - GRAVEL = Bentonite 26.00m-32.00m OUTER LINING - GRAVEL = Gravel			2011-06-19	1201	North
WRK092932	Investigation	0.00m-1.50m FILL 1.50m-4.30m CLAYEY SILT	0.00m-2.80m INNER LINING - CASING = Pvc Class 18 2.80m-4.30m INNER LINING - SCREEN = Pvc Class 18 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-4.30m OUTER LINING - GRAVEL = Gravel			2016-03-18	1204	South West
WRK070275	Observation	0.00m-16.00m CLAY	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-16.00m INNER LINING - SCREEN = Pvc 0.00m-8.50m OUTER LINING - GRAVEL = Cement 8.50m-9.50m OUTER LINING - GRAVEL = Bentonite 9.50m-16.00m OUTER LINING - GRAVEL = Gravel		10.00m-16.00m Clay	2012-07-20	1217	North East
WRK075577	Observation	0.00m-1.00m FILL 1.00m-2.50m SILT	0.00m-1.00m INNER LINING - CASING = UPVC class 12 1.00m-2.50m INNER LINING - SCREEN = UPVC class 12 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-2.50m OUTER LINING - GRAVEL = Gravel			2013-08-01	1217	South West
WRK055523	Observation	0.00m-1.50m fill 1.50m-5.00m coote island silt	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-5.00m OUTER LINING - GRAVEL = Gravel		1.50m-5.00m Silt	2010-03-01	1218	South East
WRK992271							1225	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
112859	Groundwater Investigation	0.00m-8.60m GREY BASALT 8.60m-11.00m SILTY YELLOW/BROWN MOIST 11.00m-13.50m SILTY SAND BROWN MOIST	0.00m-9.50m INNER LINING - CASING = Pvc 9.50m-13.50m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		9.50m-13.50m Silt	1992-01-22	1226	East
WRK961947	Irrigation	0.00m-15.00m CEMENT GROUT 15.00m-17.00m BENTONITE SEAL 17.00m-42.00m BACKFILLED GRAVEL	-0.50m-26.00m INNER LINING - CASING = Pvc 26.00m-42.00m INNER LINING - CASING = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement			2004-08-04	1231	North West
WRK092931	Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAYEY SILT	0.00m-2.50m INNER LINING - CASING = Pvc Class 18 2.50m-4.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-4.00m OUTER LINING - GRAVEL = Gravel			2016-03-18	1245	South West
WRK052389	Observation	0.00m-0.50m fill 0.50m-5.50m clay basaltic 5.50m-14.00m basalt rock	0.00m-11.00m INNER LINING - CASING = Pvc 11.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-14.00m OUTER LINING - GRAVEL = Gravel		0.00m-11.00m Clay 11.00m-14.00m Basalt	2010-03-10	1250	West
WRK055705	Observation	0.00m-0.50m fill 0.50m-5.50m clay 5.50m-14.00m basalt rock	0.00m-11.00m INNER LINING - CASING = Pvc 11.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-14.00m OUTER LINING - GRAVEL = Gravel		0.00m-11.00m Clay 11.00m-14.00m Basalt	2010-03-10	1251	West
WRK052390	Observation	0.00m-0.50m fill 0.50m-5.50m clay basaltic 5.50m-14.00m basalt	0.00m-11.00m INNER LINING - CASING = Pvc 11.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-14.00m OUTER LINING - GRAVEL = Gravel			2010-03-10	1256	West
WRK055706	Observation	0.00m-0.50m fill 0.50m-5.50m clay 5.50m-14.00m basalt	0.00m-11.00m INNER LINING - CASING = Pvc 11.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-14.00m OUTER LINING - GRAVEL = Gravel		11.00m-14.00m Basalt	2010-03-10	1259	West
WRK052391	Observation	0.00m-0.50m fill 0.50m-5.50m clay 5.50m-14.00m basalt rock	0.00m-11.00m INNER LINING - CASING = Pvc 11.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-10.50m OUTER LINING - GRAVEL = Bentonite 10.50m-14.00m OUTER LINING - GRAVEL = Gravel		0.00m-11.00m Clay 11.00m-14.00m Basalt	2010-03-10	1260	West
WRK981227							1267	South West
78201	Not Known	0.00m-0.50m FILL 0.50m-2.50m CLAY 2.50m-4.00m SANDY SILT 4.00m-4.50m CLAYEY SAND 4.50m-6.00m CLAY WITH WHOLE MOLLUSC SHELLS	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-6.00m INNER LINING - SCREEN = Pvc			1988-11-22	1276	South West
305551	Sec Bores (Use Unidentified)					1964-04-17	1292	South West
305548	Sec Bores (Use Unidentified)					1964-04-17	1301	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK055765	Observation	0.00m-1.50m fill 1.50m-5.00m coode island silt	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-5.00m OUTER LINING - GRAVEL = Gravel		1.00m-5.00m Silt	2010-03-20	1308	South East
WRK071275	Irrigation	0.00m-18.00m CLAY 18.00m-23.00m SAND 23.00m-25.00m CLAY 25.00m-31.00m SAND 31.00m-33.00m BASALT	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-24.25m INNER LINING - CASING = Pvc 24.25m-30.25m INNER LINING - SCREEN = Stainless Steel 30.25m-31.25m INNER LINING - CASING = Stainless Steel 0.00m-22.00m OUTER LINING - GRAVEL = Cement 22.00m-23.00m OUTER LINING - GRAVEL = Bentonite 23.00m-33.00m OUTER LINING - GRAVEL = Gravel		24.25m-30.25m Sand	2013-05-21	1310	North
WRK056060	Irrigation	0.00m-1.00m TOP SOIL 1.00m-8.00m DARK SHELLY CLAY 8.00m-15.00m GREYISH SILTY CLAY 15.00m-18.00m MEDIUM TO COARSE GRAINED SAND 18.00m-19.00m MEDIUM TO COARSE GRAINED SAND WITH SOME CLAY 19.00m-21.00m MEDIUM TO COARSE GRAINED SAND WITH SOM GRAVELS 21.00m-24.00m GREYISH SILTY CLAY WITH SOME GRAVELS 24.00m-29.00m MEDIUM TO COARSE GRAINED SAND WITH SOME GRAVELS 29.00m-30.00m LARGE GRAVELS 30.00m-32.00m WEATHERED BASALT 32.00m-36.00m DARK BLUE CLAY				2009-07-16	1314	North
WRK078767	Observation	0.00m-0.10m ASPHALT 0.10m-0.30m FILL 0.30m-7.00m CLAY	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-7.00m OUTER LINING - GRAVEL = Gravel		3.00m-7.00m Clay	2014-12-07	1318	East
WRK071277	Irrigation	0.00m-10.00m SOIL 10.00m-17.00m CLAY 17.00m-22.00m GRAVEL 22.00m-24.00m SILT 24.00m-31.00m SAND 31.00m-33.00m BASALT	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-26.50m INNER LINING - CASING = Pvc Class 12 26.50m-30.50m INNER LINING - SCREEN = Stainless Steel 30.50m-31.50m INNER LINING - CASING = Stainless Steel 0.00m-22.00m OUTER LINING - GRAVEL = Cement 22.00m-24.00m OUTER LINING - GRAVEL = Bentonite 24.00m-34.00m OUTER LINING - GRAVEL = Gravel		26.50m-30.50m Sand	2013-05-21	1324	North
WRK056116	Irrigation	0.00m-1.00m top soil 1.00m-3.00m weathered basalt/clay 3.00m-4.00m clay 4.00m-10.00m coode island silts & clay 10.00m-16.00m grey clay 16.00m-17.00m sand 17.00m-21.00m sand & gravels 21.00m-25.00m clay 25.00m-28.00m very coarse gravel	0.00m-17.00m INNER LINING - CASING = Pvc 17.00m-21.00m INNER LINING - SCREEN = Stainless Steel 21.00m-25.00m INNER LINING - CASING = Pvc 25.00m-28.00m INNER LINING - SCREEN = Stainless Steel 0.00m-16.00m OUTER LINING - GRAVEL = Cement 16.00m-16.50m OUTER LINING - GRAVEL = Bentonite 16.50m-21.00m OUTER LINING - GRAVEL = Gravel 21.00m-23.40m OUTER LINING - GRAVEL = Cement		17.00m-21.00m Gravel 25.00m-28.00m Gravel	2010-05-10	1331	North
WRK991464	Groundwater Investigation	0.00m-2.00m fill materials 2.00m-4.20m gravel/sand/clay/sand	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-4.20m INNER LINING - SCREEN = Pvc 0.00m-1.40m OUTER LINING - GRAVEL = Cement 1.40m-2.85m OUTER LINING - GRAVEL = Bentonite 2.85m-4.20m OUTER LINING - GRAVEL = Gravel			2009-06-10	1332	South East
WRK985217							1335	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK055766	Observation	0.00m-1.50m fill 1.50m-5.00m Coode Island silt	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-5.00m OUTER LINING - GRAVEL = Gravel		1.00m-5.00m Silt	2010-03-20	1344	South East
WRK055767	Observation	0.00m-1.50m fill 1.50m-5.00m coode island silt	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-5.00m OUTER LINING - GRAVEL = Gravel		1.00m-5.00m Silt	2010-03-20	1345	South East
112858	Groundwater Investigation	0.00m-1.00m SILTY SAND BLACK / BROWN 1.00m-12.00m CLAYEY SILT SOME SAND BLACK MOIST 12.00m-12.50m SILTY SAND BLACK MOIST 12.50m-13.50m CLAYEY SILT BROWN MOIST	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-13.50m INNER LINING - SCREEN = Pvc 0.10m-0.50m OUTER LINING - GRAVEL = Bentonite		3.50m-13.50m Silt	1992-01-21	1346	East
60713	Groundwater Investigation	0.00m-0.30m FILLING BRICKS 0.30m-0.80m SILTY GREY SAND 0.80m-4.00m SILTY CLAY DARK GREY MOIST	-0.30m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.99m-0.00m OUTER LINING - GRAVEL = Seal 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			1991-07-02	1362	South West
WRK071276	Irrigation	0.00m-16.50m CLAY 16.50m-18.50m SAND 18.50m-21.50m GRAVEL 21.50m-24.00m CLAY 24.00m-28.00m SAND 28.00m-29.00m CLAY 29.00m-31.00m BASALT	0.00m-9.60m INNER LINING - CASING = Pvc 24.00m-28.00m INNER LINING - SCREEN = Stainless Steel 0.00m-24.00m OUTER LINING - GRAVEL = Cement 24.00m-26.00m OUTER LINING - GRAVEL = Bentonite 26.00m-31.00m OUTER LINING - GRAVEL = Gravel			2013-05-21	1382	North
60712	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-4.00m SILTY DARK GREY MOIST CLAY	-0.30m-1.40m INNER LINING - CASING = Pvc 1.40m-4.00m INNER LINING - SCREEN = Pvc 1.00m-0.00m OUTER LINING - GRAVEL = Seal 1.01m-4.00m OUTER LINING - GRAVEL = Gravel		1.40m-4.00m Clay	1991-07-02	1385	South West
60711	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-4.00m SILTY DARK GREY CLAY MOIST	-0.30m-1.40m INNER LINING - CASING = Pvc 1.40m-4.00m INNER LINING - SCREEN = Pvc 1.00m-4.00m OUTER LINING - GRAVEL = Gravel		1.40m-4.00m Clay	1990-07-02	1390	South West
WRK984769							1404	North East
WRK096696	Investigation	0.00m-1.20m FILL/ GRAVELLY SAND & SILTY CLAY 1.20m-3.25m SILTY CLAY	0.00m-1.75m INNER LINING - CASING = Pvc 1.75m-3.25m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-3.25m OUTER LINING - GRAVEL = Gravel			2016-10-27	1408	East
WRK992430							1412	South
WRK991149	Groundwater Investigation	0.00m-1.00m fill 1.00m-3.00m dark grey 3.00m-4.00m dark grey coode island silt	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-4.00m OUTER LINING - GRAVEL = Gravel			2009-06-05	1422	South

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK991160	Groundwater Investigation	0.00m-1.70m fill 1.70m-4.00m sand silty grey	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-4.00m INNER LINING - SLOT = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-4.00m OUTER LINING - GRAVEL = Gravel			2009-07-28	1422	South
60710	Groundwater Investigation	0.00m-0.20m CONCRETE & GRAVEL 0.20m-0.80m SILTY SAND MOIST 0.80m-4.00m SILT DARK GRAY	-0.30m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 1.00m-4.00m OUTER LINING - GRAVEL = Gravel		1.50m-4.00m Sand	1991-07-02	1424	South West
WRK981431							1442	North
WRK094498	Investigation	0.00m-0.15m ROAD 0.15m-2.80m FILL/ GRAVELLY SAND & SILTY CLAY 2.80m-3.50m SANDY CLAY 3.50m-5.10m CLAYEY SAND	0.00m-2.90m INNER LINING - CASING = Pvc 2.90m-5.10m INNER LINING - SCREEN = Pvc 0.00m-2.20m OUTER LINING - GRAVEL = Cement 2.20m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-5.10m OUTER LINING - GRAVEL = Gravel			2016-10-28	1447	East
WRK094500	Investigation	0.00m-0.24m FILL 0.24m-2.40m FILL 2.40m-2.90m SILTY CLAY 2.90m-4.50m CLAYEY SILT	0.00m-2.70m INNER LINING - CASING = Pvc 2.70m-4.50m INNER LINING - SCREEN = Pvc 0.00m-1.30m OUTER LINING - GRAVEL = Cement 1.30m-2.60m OUTER LINING - GRAVEL = Bentonite 2.60m-4.50m OUTER LINING - GRAVEL = Gravel			2016-10-28	1448	East
WRK980189							1451	East
WRK986692							1454	South East
WRK075703	Observation	0.00m-1.00m FILL 1.00m-23.60m SILT 23.60m-31.80m SILTSTONE	0.00m-21.30m INNER LINING - CASING = Pvc 21.30m-23.30m INNER LINING - SCREEN = Pvc 0.00m-19.30m OUTER LINING - GRAVEL = Cement 19.30m-21.00m OUTER LINING - GRAVEL = Bentonite 21.00m-23.30m OUTER LINING - GRAVEL = Seal 23.30m-31.80m OUTER LINING - GRAVEL = Bentonite			2013-08-09	1463	East
WRK096473	Investigation	0.00m-0.12m CONCRETE 0.12m-0.70m FGRAVELLY SAND 0.70m-1.40m SILTY CLAY 1.40m-3.40m SILTY SAND	0.00m-1.40m INNER LINING - CASING = Pvc 1.40m-3.40m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Cement 0.70m-1.20m OUTER LINING - GRAVEL = Bentonite 1.20m-3.40m OUTER LINING - GRAVEL = Gravel			2016-10-27	1479	North East
WRK096472	Investigation	0.00m-0.80m FILL/GRAVELLY SAND 0.80m-2.00m SILTY CLAY 2.00m-2.50m CLAYEY SAND 2.50m-3.90m CLAYEY SILT	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-3.90m INNER LINING - SCREEN = Pvc 0.00m-0.80m OUTER LINING - GRAVEL = Cement 0.80m-1.30m OUTER LINING - GRAVEL = Bentonite 1.30m-3.90m OUTER LINING - GRAVEL = Gravel			2016-10-27	1484	North East
WRK091411	Investigation	0.00m-26.40m SANDS/CLAY 26.40m-60.00m VOLCANICS/OLDER	0.00m-35.00m INNER LINING - CASING = UPVC class 18 35.00m-38.00m INNER LINING - SCREEN = UPVC class 18 0.00m-33.50m OUTER LINING - GRAVEL = Cement 33.50m-34.50m OUTER LINING - GRAVEL = Bentonite 34.50m-38.50m OUTER LINING - GRAVEL = Gravel			2016-02-08	1492	South West
WRK989145	Groundwater Investigation		0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.00m OUTER LINING - GRAVEL = Gravel			2008-12-15	1494	South East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK069273	Observation	0.00m-4.20m FILL	0.00m-1.20m INNER LINING - CASING = Pvc 1.20m-4.20m INNER LINING - SCREEN = Pvc 0.30m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-4.20m OUTER LINING - GRAVEL = Gravel			2013-02-04	1515	South East
WRK069274	Observation	0.00m-4.00m FILL	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.20m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-4.00m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Fill	2012-05-08	1515	South East
WRK069280	Observation					2012-05-09	1515	South East
WRK069278	Observation					2012-05-09	1515	South East
WRK069279	Observation					2012-05-07	1515	South East
WRK069275	Observation					2012-05-08	1516	South East
WRK069277	Observation					2012-05-07	1518	South East
WRK069276	Observation					2012-05-08	1521	South East
WRK989283	Groundwater Investigation					2009-01-19	1521	North West
WRK062148	Observation	0.00m-0.10m GRAVEL 1.00m-8.00m FILL	0.00m-6.00m INNER LINING - CASING = Pvc 6.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-5.50m OUTER LINING - GRAVEL = Bentonite		6.00m-8.00m Fill	2011-10-18	1526	East
WRK066359	Observation	0.00m-2.00m SOIL 2.00m-7.00m CLAY	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-7.00m OUTER LINING - GRAVEL = Seal		5.00m-7.00m Clay	2011-10-26	1528	East
WRK062145	Observation	0.00m-1.70m FILL 1.70m-3.00m CLAY 3.00m-7.00m SILT	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-7.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-7.00m OUTER LINING - GRAVEL = Gravel		0.00m-5.00m Clay 5.00m-7.00m Silt	2011-05-05	1528	East
WRK066360	Observation		0.00m-3.00m INNER LINING - CASING = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-3.00m OUTER LINING - GRAVEL = Seal		0.00m-3.00m Clay	2011-10-26	1528	East
WRK062147	Observation	0.00m-1.00m GRAVEL 1.00m-9.00m FILL	0.00m-6.00m INNER LINING - CASING = Pvc 6.00m-9.00m INNER LINING - SCREEN = Pvc 0.00m-5.00m OUTER LINING - GRAVEL = Cement 5.00m-5.50m OUTER LINING - GRAVEL = Bentonite 5.50m-9.00m OUTER LINING - GRAVEL = Seal		6.00m-9.00m Fill	2011-10-18	1531	East
WRK066357	Observation		0.00m-14.00m INNER LINING - CASING = Pvc			2011-10-20	1532	East
WRK066358	Observation	0.00m-0.50m GRANITE 0.50m-1.00m FILL 1.00m-4.00m SILT	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.20m OUTER LINING - GRAVEL = Bentonite 1.20m-1.50m OUTER LINING - GRAVEL = Seal		1.50m-4.00m Silt	2011-10-20	1533	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK062150	Observation	0.00m-1.00m FILL 1.00m-12.00m CLAY	0.00m-12.00m INNER LINING - CASING = Pvc 12.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-11.00m OUTER LINING - GRAVEL = Cement 11.00m-11.50m OUTER LINING - GRAVEL = Bentonite 11.50m-14.00m OUTER LINING - GRAVEL = Seal		12.00m-14.00m Clay	2011-10-19	1535	East
WRK066361	Observation	0.00m-1.20m FILL 1.20m-10.00m CLAY 10.00m-12.00m SILT	0.00m-10.00m INNER LINING - CASING = Pvc 10.00m-12.00m INNER LINING - SCREEN = Pvc 0.00m-9.00m OUTER LINING - GRAVEL = Cement 9.00m-9.50m OUTER LINING - GRAVEL = Bentonite 9.50m-12.00m OUTER LINING - GRAVEL = Seal		10.00m-12.00m Silt	2011-10-20	1535	East
WRK066356	Observation	0.00m-1.00m GRAVEL 1.00m-7.50m FILL	0.00m-5.50m INNER LINING - CASING = Pvc 5.70m-7.50m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-7.50m OUTER LINING - GRAVEL = Seal		5.70m-7.50m Fill	2011-10-20	1535	East
58066	Groundwater Investigation	0.00m-3.00m CLAYEY, SILT GREY MOIST FIRM TRACES SAND MEDIUM	-0.50m-0.60m INNER LINING - CASING = Pvc 0.60m-3.00m INNER LINING - SCREEN = Pvc 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.00m OUTER LINING - GRAVEL = Gravel		0.60m-3.00m Clay	1991-09-26	1535	North West
WRK062149	Observation	0.00m-11.00m FILL 11.00m-14.00m SILT	0.00m-12.00m INNER LINING - CASING = Pvc 12.00m-14.00m INNER LINING - SCREEN = Pvc 0.00m-11.00m OUTER LINING - GRAVEL = Cement 11.00m-11.50m OUTER LINING - GRAVEL = Bentonite		12.00m-14.00m Silt	2011-10-19	1537	East
WRK975366	Domestic & Stock	0.00m-4.00m (FILL) CRUSHED ROCK 4.00m-5.00m CLAYEY SAND	1.00m-1.00m INNER LINING - CASING = Pvc			2006-10-04	1548	South West
WRK975365	Domestic & Stock		1.00m-1.00m INNER LINING - CASING = Pvc			2006-10-04	1548	South West
WRK066548	Observation					2012-01-01	1562	South East
WRK066550	Observation					2012-01-01	1562	South East
WRK066549	Observation					2012-01-01	1562	South East
113636	Groundwater Investigation	0.00m-1.00m FILL ROCK 1.00m-4.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			1992-05-06	1570	South East
113635	Groundwater Investigation	0.00m-1.00m FILL ROCK 1.00m-4.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			1992-05-06	1570	South East
113634	Groundwater Investigation	0.00m-1.00m FILL ROCK 1.00m-4.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel			1992-05-06	1570	South East
WRK066376	Observation	0.00m-0.50m FILL 0.50m-5.50m CLAY 5.50m-14.50m SAND	0.00m-8.50m INNER LINING - CASING = Pvc 8.50m-14.50m INNER LINING - SCREEN = Pvc 0.00m-7.50m OUTER LINING - GRAVEL = Cement 7.50m-8.00m OUTER LINING - GRAVEL = Bentonite 8.00m-14.50m OUTER LINING - GRAVEL = Gravel		8.50m-14.50m Sand	2011-09-29	1577	North East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK066378	Observation					2011-09-29	1577	North East
WRK984088							1587	West
WRK066377	Observation					2011-09-29	1595	North East
WRK093693	Investigation	0.00m-2.00m FILL 2.00m-6.50m BRIGHTON SANDS 6.50m-10.00m FISHERMANS BEND SILTS 10.00m-14.00m RESIDUAL BASALT CLAYS 14.00m-40.00m VOLCANIC / OLDER	0.00m-7.50m INNER LINING - CASING = UPVC class 18 7.50m-10.50m INNER LINING - SCREEN = UPVC class 18 0.00m-6.00m OUTER LINING - GRAVEL = Cement 6.00m-7.00m OUTER LINING - GRAVEL = Bentonite 7.00m-11.00m OUTER LINING - GRAVEL = Gravel 11.00m-40.00m OUTER LINING - GRAVEL = Cement		7.50m-10.50m Silt	2016-04-22	1619	South West
WRK093424	Investigation	0.00m-0.28m CONCRETE 0.28m-0.70m SANDY GRAVEL 0.70m-0.80m LARGE COBBLES 0.80m-1.00m SILT WITH GRAVEL 1.00m-1.10m LARGE BLUE COBBLES 1.10m-1.50m SANDY GRAVELLY SILT 1.50m-1.80m SLAG 1.80m-2.10m SILT 2.10m-2.65m CLAYEY SAND 2.65m-3.00m CLAY 3.00m-3.95m SANDY CLAY 3.95m-4.40m CLAY 4.40m-4.50m SILTY CLAY	0.00m-0.90m INNER LINING - CASING = Pvc 0.90m-3.90m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-3.90m OUTER LINING - GRAVEL = Gravel 3.90m-4.50m OUTER LINING - GRAVEL = Bentonite			2016-04-26	1641	East
WRK983102	Domestic & Stock	0.00m-0.70m FILL: ASPHALT & ROAD 0.70m-1.40m GRAVELLY SAND (SP) 1.40m-4.50m SAND (SP): MEDIUM	0.00m-2.30m INNER LINING - CASING = Pvc 2.30m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.70m-2.20m OUTER LINING - GRAVEL = Bentonite 2.20m-4.50m OUTER LINING - GRAVEL = Gravel			2008-01-24	1642	South
115997	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1645	South
115996	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1645	South
145045	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVEL, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1646	South West
119922	Groundwater Investigation	0.00m-0.30m BITUMEN & GRAVEL 0.30m-2.15m SOFT FIRM BLACK SILT	-0.10m-0.65m INNER LINING - CASING = Pvc Class 18 0.65m-2.15m INNER LINING - SCREEN = Pvc Class 18 0.20m-0.55m OUTER LINING - GRAVEL = Bentonite 0.55m-2.15m OUTER LINING - GRAVEL = Gravel		0.65m-2.15m Silt	1992-02-28	1649	South
WRK073597	Observation	0.00m-1.80m FILL 1.80m-4.00m COode island silt	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-1.30m OUTER LINING - GRAVEL = Cement 1.30m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-4.00m OUTER LINING - GRAVEL = Gravel		2.50m-4.00m Silt	2013-04-02	1651	South East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK073595	Observation	0.00m-3.00m FILL	0.00m-0.50m INNER LINING - CASING = Pvc 0.50m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.00m OUTER LINING - GRAVEL = Gravel		0.50m-3.00m Fill	2013-03-29	1651	South East
WRK059730	Observation					2011-02-01	1652	South
115995	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1654	South West
145055	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVEL, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1660	South West
WRK093425	Investigation	0.00m-0.23m CONCRETE 0.23m-0.60m SANDY GRAVEL 0.60m-1.50m SAND 1.50m-1.55m GRAVELLY SAND 1.55m-2.40m SANDY CLAY 2.40m-3.30m GRAVELLY SAND 3.30m-4.50m SILTY CLAY	0.00m-0.90m INNER LINING - CASING = Pvc 0.90m-3.30m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-3.30m OUTER LINING - GRAVEL = Gravel 3.30m-4.50m OUTER LINING - GRAVEL = Bentonite			2016-04-26	1669	East
WRK989282	Groundwater Investigation					2009-01-19	1674	North West
WRK060159	Observation					2010-12-20	1685	South West
WRK060167	Observation					2010-12-20	1686	South West
WRK060163	Observation					2010-12-20	1687	South West
WRK060170	Observation					2010-12-20	1693	South West
WRK060988	Observation	0.00m-3.00m FILL 3.00m-4.00m SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.20m OUTER LINING - GRAVEL = Cement 0.20m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Seal		0.00m-1.00m Fill 1.00m-3.00m Fill	2011-06-27	1693	South East
WRK060157	Observation					2010-12-20	1693	South West
WRK060169	Observation					2010-12-20	1693	South West
145051	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVE, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1693	South
WRK060165	Observation					2010-12-20	1694	South West
WRK060195	Observation					2010-12-20	1695	South West
WRK060255	Observation					2010-12-20	1695	South West
WRK060253	Observation					2010-12-20	1695	South West
WRK060256	Observation					2010-12-20	1695	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060254	Observation					2010-12-20	1695	South West
WRK060161	Observation					2010-12-20	1695	South West
WRK073603	Observation	0.00m-2.00m FILL 2.00m-5.00m COode island silt	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-5.00m INNER LINING - SCREEN = Pvc 0.00m-2.30m OUTER LINING - GRAVEL = Cement 2.30m-3.30m OUTER LINING - GRAVEL = Bentonite 3.30m-5.00m OUTER LINING - GRAVEL = Gravel		3.50m-5.00m Silt	2013-04-06	1697	South East
WRK060160	Observation					2010-12-20	1698	South West
WRK060164	Observation					2010-12-20	1698	South West
WRK060166	Observation					2010-12-20	1699	South West
WRK060162	Observation					2010-12-20	1699	South West
119924	Groundwater Investigation	0.00m-0.40m TOP SOIL & FILL 0.40m-2.40m FIRM BLACK / GREY SILTY CLAY	-0.20m-0.70m INNER LINING - CASING = Pvc Class 18 0.70m-2.20m INNER LINING - SCREEN = Pvc Class 18 2.20m-2.40m INNER LINING - SCREEN = Slotted Pvc 0.20m-0.60m OUTER LINING - GRAVEL = Bentonite 0.60m-2.40m OUTER LINING - GRAVEL = Gravel		0.70m-2.20m Clay 2.20m-2.40m Clay	1992-02-28	1700	South
WRK060158	Observation					2010-12-20	1700	South West
WRK060250	Observation					2010-12-20	1702	South West
WRK060251	Observation					2010-12-20	1702	South West
WRK060263	Observation					2010-12-20	1702	South West
WRK060252	Observation					2010-12-20	1702	South West
WRK060249	Observation					2010-12-20	1702	South West
WRK060226	Observation					2010-12-20	1704	South West
119928	Groundwater Investigation	0.00m-0.30m FILL 0.30m-1.95m FIRM BLACK / GREY SILTY CLAY	-0.20m-0.30m INNER LINING - CASING = Pvc Class 18 0.30m-1.80m INNER LINING - SCREEN = Pvc Class 18 0.15m-0.25m OUTER LINING - GRAVEL = Bentonite 0.25m-1.95m OUTER LINING - GRAVEL = Gravel		0.30m-1.80m Clay	1992-02-27	1705	South
WRK060246	Observation					2010-12-20	1708	South West
WRK060247	Observation					2010-12-20	1708	South West
WRK060248	Observation					2010-12-20	1708	South West
119923	Groundwater Investigation	0.00m-0.30m GRAVEL & FILL 0.30m-2.30m SOFT TO FIRM BLACK SILTY CLAY	-0.10m-0.60m INNER LINING - CASING = Pvc Class 18 0.60m-2.30m INNER LINING - SCREEN = Pvc Class 18 0.20m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-2.30m OUTER LINING - GRAVEL = Gravel		0.60m-2.30m Clay	1992-02-28	1710	South
WRK060243	Observation					2010-12-20	1712	South West
145057	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVEL, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-0.00m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1716	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK073599	Observation	0.00m-1.80m FILL 1.80m-4.00m COode island silt	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-4.00m INNER LINING - SCREEN = Pvc 0.00m-1.30m OUTER LINING - GRAVEL = Cement 1.30m-2.30m OUTER LINING - GRAVEL = Bentonite 2.30m-4.00m OUTER LINING - GRAVEL = Gravel		2.50m-4.00m Silt	2013-04-02	1717	South East
WRK060198	Observation					2010-12-20	1724	South West
WRK093423	Investigation	0.00m-0.20m CONCRETE 0.20m-0.37m GRAVELY SAND 0.37m-0.60m CONCRETE 0.60m-0.75m GRAVELLY SAND 0.75m-1.00m SANDY SILT 1.00m-1.70m GRAVELLY CLAY 1.70m-2.05m GRAVELLY SILT 2.05m-2.20m SILT 2.20m-4.20m CLAY 4.20m-4.55m SILTY CLAY 4.55m-6.00m SILTY	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.00m OUTER LINING - GRAVEL = Gravel 4.00m-6.00m OUTER LINING - GRAVEL = Bentonite			2016-04-22	1725	East
WRK060224	Observation					2010-12-20	1729	South West
WRK061823	Observation	0.00m-0.40m FILL 0.40m-1.00m CLAY 1.00m-14.50m BASALT	0.00m-8.50m INNER LINING - CASING = Pvc 8.50m-14.50m INNER LINING - SCREEN = Pvc 0.00m-7.00m OUTER LINING - GRAVEL = Cement 7.00m-8.00m OUTER LINING - GRAVEL = Bentonite 8.00m-14.50m OUTER LINING - GRAVEL = Gravel		8.50m-14.50m Basalt	2011-04-09	1730	West
115994	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1735	South
145042	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVEL, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1738	South
WRK092935	Investigation	0.00m-1.50m FILL 1.50m-4.00m CLAYEY SILT	0.00m-2.00m INNER LINING - CASING = Pvc Class 18 2.00m-4.00m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-4.00m OUTER LINING - GRAVEL = Gravel			2016-03-18	1742	South
119926	Groundwater Investigation	0.00m-0.30m FILL & GRAVEL 0.30m-2.20m FIRM BLACK/GREY SILTY CLAY	-0.20m-0.50m INNER LINING - CASING = Pvc Class 18 0.50m-2.00m INNER LINING - SCREEN = Pvc Class 18 0.20m-0.40m OUTER LINING - GRAVEL = Bentonite 0.40m-2.20m OUTER LINING - GRAVEL = Gravel		0.50m-2.00m Clay	1992-02-28	1744	South
119925	Groundwater Investigation	0.00m-0.20m FILL & GRAVEL 0.20m-2.20m SOFT TO FIRM BLACK / GREY SILTY CLAY	-0.20m-0.40m INNER LINING - CASING = Pvc Class 18 0.40m-2.20m INNER LINING - SCREEN = Pvc Class 18 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-2.20m OUTER LINING - GRAVEL = Gravel		0.40m-2.20m Clay	1992-02-28	1746	South
115993	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1748	South

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060242	Observation					2010-12-20	1748	South West
WRK056167	Observation	0.00m-1.20m brick 1.20m-6.00m fill	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Cement 0.70m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2010-05-04	1751	South
WRK056165	Observation	0.00m-1.20m brick 1.20m-6.00m fill	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Cement 0.70m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel			2010-05-04	1751	South
WRK056166	Observation	0.00m-1.20m brick 1.20m-6.00m fill	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Cement 0.70m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-6.00m OUTER LINING - GRAVEL = Gravel		2.00m-6.00m Sand	2010-05-04	1751	South
WRK060199	Observation					2010-12-20	1752	South West
WRK060202	Observation					2010-12-20	1754	South West
WRK989701	Groundwater Investigation	0.00m-1.70m fill silty clayey sand 1.70m-1.85m clay 1.85m-2.00m gravelly sand 2.00m-2.10m clay 2.10m-7.00m sandy clay 7.00m-10.00m silty sandy clay	0.80m-8.00m INNER LINING - CASING = Pvc 8.00m-10.00m INNER LINING - SCREEN = Pvc 0.30m-6.70m OUTER LINING - GRAVEL = Cement 6.70m-7.20m OUTER LINING - GRAVEL = Bentonite 7.20m-10.00m OUTER LINING - GRAVEL = Seal			2009-04-07	1761	North East
WRK060223	Observation					2010-12-20	1762	South West
WRK073594	Observation	0.00m-1.80m FILL 1.80m-4.50m COode island silt	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-4.50m INNER LINING - SCREEN = Pvc 0.00m-1.80m OUTER LINING - GRAVEL = Cement 1.80m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-4.50m OUTER LINING - GRAVEL = Gravel		3.00m-4.50m Silt	2013-03-29	1763	South East
WRK060207	Observation					2010-12-20	1765	South West
WRK073596	Observation	0.00m-3.00m FILL	0.00m-0.50m INNER LINING - CASING = Pvc 0.50m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.00m OUTER LINING - GRAVEL = Gravel		0.50m-3.00m Fill	2013-03-29	1766	South East
WRK093872	Observation	0.00m-0.20m CONCRETE 0.20m-1.00m FILL 1.00m-5.00m ISLAND SILT 5.00m-7.00m CLAY	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-7.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-7.00m OUTER LINING - GRAVEL = Gravel			2016-05-05	1767	East
WRK991044	Groundwater Investigation	0.00m-1.20m fill 1.20m-5.50m silty clays	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-5.50m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-5.50m OUTER LINING - GRAVEL = Gravel			2009-06-05	1769	North West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK991039	Groundwater Investigation	0.00m-5.00m landfill	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-5.00m OUTER LINING - GRAVEL = Gravel			2009-06-24	1769	North West
WRK980915	Domestic & Stock		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			2007-06-25	1772	South West
WRK980904	Domestic & Stock		0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-6.00m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite 2.50m-6.00m OUTER LINING - GRAVEL = Gravel			2007-06-25	1772	South West
WRK060217	Observation					2010-12-20	1773	South West
58062	Groundwater Investigation	0.00m-3.50m SILT/CLAY BROWN/GREY SOME SAND	-0.50m-0.50m INNER LINING - CASING = Pvc 0.50m-3.50m INNER LINING - SCREEN = Pvc 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.50m OUTER LINING - GRAVEL = Gravel		0.50m-3.50m Clay	1991-10-01	1776	North West
WRK983616							1778	North East
119927	Groundwater Investigation	0.00m-0.40m TOP SOIL 0.40m-2.35m FIRM BLACK / GREY SILTY CLAY	-0.20m-0.70m INNER LINING - CASING = Pvc Class 18 0.70m-2.20m INNER LINING - SCREEN = Pvc Class 18 0.20m-0.50m OUTER LINING - GRAVEL = Bentonite 0.50m-2.35m OUTER LINING - GRAVEL = Gravel		0.70m-2.20m Clay	1992-02-27	1779	South
WRK060269	Observation					2010-12-20	1782	South West
WRK060272	Observation					2010-12-20	1782	South West
WRK060271	Observation					2010-12-20	1782	South West
WRK060176	Observation					2010-12-20	1782	South West
WRK060270	Observation					2010-12-20	1782	South West
WRK060222	Observation					2010-12-20	1783	South West
WRK093989	Observation	0.00m-1.00m FILL/CLAY BRICK 1.00m-4.50m CLAY/GREY BROWN 4.50m-5.50m CLAY/SANDY GREY	0.00m-2.50m INNER LINING - CASING = Pvc 2.50m-5.50m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-2.00m OUTER LINING - GRAVEL = Bentonite 2.00m-5.50m OUTER LINING - GRAVEL = Seal		2.50m-5.50m Clay	2016-05-02	1783	East
WRK060172	Observation					2010-12-20	1783	South West
WRK060194	Observation					2010-12-20	1784	South West
WRK060179	Observation					2010-12-20	1785	South West
WRK060175	Observation					2010-12-20	1786	South West
WRK060180	Observation					2010-12-20	1786	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK093991	Observation	0.00m-1.00m CLAY BRICK FILL 1.00m-3.80m CLAY 3.80m-5.00m SANDY GREY CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Seal			2016-05-02	1787	East
WRK967366	Domestic & Stock		0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.00m OUTER LINING - GRAVEL = Gravel			2005-02-28	1787	South
WRK060181	Observation					2010-12-20	1787	South West
WRK052136	Observation	0.00m-1.20m fill 1.20m-12.80m clay	0.00m-9.80m INNER LINING - CASING = Pvc 9.80m-12.80m INNER LINING - SCREEN = Pvc 0.00m-0.30m OUTER LINING - GRAVEL = Cement 0.30m-9.50m OUTER LINING - GRAVEL = Bentonite 9.50m-12.80m OUTER LINING - GRAVEL = Gravel		0.00m-9.80m Clay 9.80m-12.80m Clay	2009-10-11	1788	East
115992	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1788	South
WRK060177	Observation					2010-12-20	1788	South West
WRK060173	Observation					2010-12-20	1789	South West
WRK093871	Observation	0.00m-0.20m CONCRETE 0.20m-1.00m FILL 1.00m-5.00m ISLAND SILT 5.00m-7.00m CLAY	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-7.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-7.00m OUTER LINING - GRAVEL = Gravel			2016-05-05	1793	East
WRK060267	Observation					2010-12-20	1794	South West
WRK060265	Observation					2010-12-20	1794	South West
WRK060268	Observation					2010-12-20	1794	South West
WRK060266	Observation					2010-12-20	1794	South West
116119	Groundwater Investigation	0.00m-0.80m SANDY SILT, STIFF BROWN 0.80m-1.30m SANDY CLAY, STIFF BROWN & ORANGE BROWN 1.30m-1.80m SAND MOD DENSE DARK BROWN GREY COARSE SAND 1.80m-10.80m SILTY CLAY & SANDY CLAY STIFF PAIL GREY BROWN FINE TO COARSE 10.80m-12.90m CLAYEY SAND MOD DENSE PAIL BROWN GREY & ORANGE BROWN COARSE 12.90m-15.20m SANDY CLAY VERY STIFF PAIL GREY & ORANGE BROWN 15.20m-18.00m CLAYEY SAND MED DENSE GREY BROWN FINE TO COARSE SAND 18.00m-19.50m GRAVELLY SAND DENSE BROWN 19.50m-21.37m SILTSTONE & SANDSTONE SW HIGHLY STRENGTH ORANGE BROWN & DARK	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-17.80m INNER LINING - SCREEN = Pvc 17.80m-21.37m INNER LINING - SCREEN = Slotted Pvc 2.00m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-21.37m OUTER LINING - GRAVEL = Gravel			1992-03-11	1794	East
WRK060174	Observation					2010-12-20	1795	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060200	Observation					2010-12-20	1795	South West
WRK060178	Observation					2010-12-20	1795	South West
WRK060221	Observation					2010-12-20	1796	South West
WRK060171	Observation					2010-12-20	1796	South West
WRK060262	Observation					2010-12-20	1798	South West
WRK060261	Observation					2010-12-20	1798	South West
WRK060264	Observation					2010-12-20	1798	South West
WRK989693	Groundwater Investigation	0.00m-1.10m fill silty sand 1.10m-1.80m sandy silty clay 1.80m-3.80m sandy clay 3.80m-4.20m silt	0.70m-2.30m INNER LINING - CASING = Pvc 2.30m-10.00m INNER LINING - SCREEN = Pvc 1.80m-2.10m OUTER LINING - GRAVEL = Bentonite 2.10m-3.80m OUTER LINING - GRAVEL = Seal			2009-03-26	1798	North East
WRK060260	Observation					2010-12-20	1800	South West
WRK060258	Observation					2010-12-20	1800	South West
WRK060257	Observation					2010-12-20	1800	South West
WRK060259	Observation					2010-12-20	1800	South West
WRK069727	Observation					2012-06-22	1802	East
WRK069723	Observation					2012-06-20	1802	East
WRK069525	Observation		0.00m-9.00m INNER LINING - CASING = Pvc 9.00m-15.00m INNER LINING - SCREEN = Pvc			2012-06-22	1802	East
WRK093873	Observation	0.00m-0.20m CONCRETE 0.20m-1.00m FILL 1.00m-5.00m ISLAND SILT 5.00m-7.00m CLAY	0.00m-2.00m INNER LINING - CASING = Pvc 3.50m-7.00m INNER LINING - SCREEN = Pvc 0.00m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-7.00m OUTER LINING - GRAVEL = Gravel			2016-05-05	1804	East
WRK091410	Investigation	0.00m-17.60m SANDS/CLAY 17.60m-20.60m VOLCANICS/OLDER	0.00m-17.00m INNER LINING - CASING = Pvc Class 18 17.00m-20.00m INNER LINING - SCREEN = UPVC class 18 0.00m-15.50m OUTER LINING - GRAVEL = Cement 15.50m-16.50m OUTER LINING - GRAVEL = Bentonite 16.50m-20.60m OUTER LINING - GRAVEL = Gravel		17.00m-20.00m Sand	2016-02-02	1805	South West
WRK093427	Investigation	0.00m-0.07m ASPHALT 0.07m-0.40m GRAVELLY SAND 0.40m-0.60m LARGE ROCKS 0.60m-0.80m SANDY CLAY 0.80m-1.20m CLAYEY SILT 1.20m-2.10m SILTY CLAY 2.10m-2.30m CLAY 2.30m-2.70m SANDY 2.70m-2.80m CLAYEY SILT 2.80m-3.10m SILTY SAND 3.10m-3.40m SILT 3.40m-3.70m SAND	0.00m-0.90m INNER LINING - CASING = Pvc 0.90m-3.70m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-3.70m OUTER LINING - GRAVEL = Gravel			2016-04-21	1811	East
WRK060209	Observation					2010-12-20	1811	South West
WRK093988	Observation	0.00m-1.20m CLAYFILL 1.20m-4.50m CLAY/BROWN-GREY 4.50m-7.50m CLAY/SAND	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-7.50m INNER LINING - SCREEN = Pvc 0.00m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-2.50m OUTER LINING - GRAVEL = Bentonite			2016-05-02	1813	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK986982	Groundwater Investigation	0.00m-0.15m ASPHALT 0.15m-1.50m FILL/RUBBLES 1.50m-2.50m SILTY CLAYS 2.50m-10.00m COODE ISLAND SILT	7.00m-8.20m OUTER LINING - GRAVEL = Bentonite 8.20m-10.00m OUTER LINING - GRAVEL = Gravel			2008-06-27	1815	South
WRK991426							1817	South East
WRK988787	Groundwater Investigation	0.00m-1.00m fill 2.50m-4.50m grey silty sand	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-2.00m INNER LINING - CASING = Pvc 2.00m-4.50m INNER LINING - SCREEN = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Cement 1.00m-1.80m OUTER LINING - GRAVEL = Bentonite 1.80m-4.50m OUTER LINING - GRAVEL = Seal			2008-11-27	1820	South
WRK093990	Observation	0.00m-1.00m FILL/CLAY BRICK 1.00m-4.00m CLAY/BROWN-GREY 4.00m-5.00m CLAY/SANDY GREY	0.00m-2.00m INNER LINING - CASING = Pvc 2.00m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.50m OUTER LINING - GRAVEL = Bentonite 1.50m-5.00m OUTER LINING - GRAVEL = Seal		2.00m-5.00m Clay	2016-05-02	1820	East
WRK069726	Observation	0.00m-4.50m FILL 4.50m-23.50m SILT 23.50m-26.00m GRANITE	0.00m-4.75m INNER LINING - CASING = Pvc 4.75m-6.00m INNER LINING - SCREEN = Pvc 0.00m-3.50m OUTER LINING - GRAVEL = Cement 3.50m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-6.50m OUTER LINING - GRAVEL = Seal		4.75m-6.00m Silt	2012-07-20	1824	East
WRK989691	Groundwater Investigation	0.00m-1.00m fill silty sand 1.00m-3.60m sandy clay 3.60m-4.00m clayey silt 4.00m-4.50m gravelly sand 4.50m-7.00m siltstone	4.50m-7.00m INNER LINING - SCREEN = Pvc 0.40m-3.00m OUTER LINING - GRAVEL = Cement 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-7.00m OUTER LINING - GRAVEL = Seal			2009-04-01	1826	North East
WRK989690	Groundwater	0.00m-1.00m fill silty sand 1.00m-3.60m sandy clay 3.60m-4.00m clayey silt	0.80m-1.70m INNER LINING - CASING = Pvc 1.70m-3.70m INNER LINING - SCREEN = Pvc 0.30m-1.20m OUTER LINING - GRAVEL = Cement 1.20m-1.40m OUTER LINING - GRAVEL = Bentonite 1.40m-4.00m OUTER LINING - GRAVEL = Seal			2009-03-26	1827	North East
WRK060213	Observation					2010-12-20	1827	South West
WRK060193	Observation					2010-12-20	1832	South West
116118	Groundwater Investigation	0.00m-0.80m FILL SANDY SILT BROWN STIFF 0.80m-4.30m SANDY CLAY STIFF TO VERY STIFF GREY & ORANGE BROWN 4.30m-6.00m SAND MODERATELEY DENSE ORANGE BROWN COARSE QUARTZ SAND 6.00m-7.80m CLAYEY SAND MOD DENSE GREY COARSE QUARTZ SAND 7.80m-9.00m BASALT SW DARK GREY HIGH STRENGTH 9.00m-10.30m CLAYEY SAND MOD DENSE ORANGE BROWN FINE SAND 10.30m-13.87m SANDSTONE EW & MW HIGH STRENGTH ORANGE BROWN & GREY BROWN	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-13.84m INNER LINING - SCREEN = Pvc 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-13.87m OUTER LINING - GRAVEL = Gravel			1992-03-10	1832	East
58055	Groundwater Investigation	0.00m-3.10m CLAYEY GREY SILT TRACES OF FINE SAND	-0.50m-0.60m INNER LINING - CASING = Pvc 0.60m-3.10m INNER LINING - SCREEN = Pvc 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.10m OUTER LINING - GRAVEL = Gravel		0.60m-3.10m Clay	1991-10-01	1838	North West
WRK060214	Observation					2010-12-20	1838	South West
WRK060216	Observation					2010-12-20	1840	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060218	Observation					2010-12-20	1842	South West
WRK093956	Investigation	0.00m-0.80m FILL 0.80m-1.60m BASALT 1.60m-10.00m CLAYSTONE 10.00m-22.00m SEDIMENTS 22.00m-34.00m CLAYS/RESIDUAL 34.00m-54.00m VOLCANICS/OLDEr 54.00m-60.00m Werribee Formation	0.00m-29.00m INNER LINING - CASING = UPVC class 18 29.00m-32.00m INNER LINING - SCREEN = UPVC class 18 0.00m-27.50m OUTER LINING - GRAVEL = Cement 27.50m-28.50m OUTER LINING - GRAVEL = Bentonite 28.50m-32.50m OUTER LINING - GRAVEL = Gravel 32.50m-60.00m OUTER LINING - GRAVEL = Cement		29.00m-32.00m Clay	2016-05-10	1844	South West
58063	Groundwater Investigation	0.00m-3.00m SILT/CLAY BROWN/GREY SOME SAND	-0.50m-0.50m INNER LINING - CASING = Pvc 0.50m-3.00m INNER LINING - SCREEN = Pvc 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.00m OUTER LINING - GRAVEL = Gravel		0.50m-3.00m Clay	1991-10-01	1847	North West
WRK060287	Observation					2010-12-20	1848	South West
WRK060286	Observation					2010-12-20	1848	South West
WRK060285	Observation					2010-12-20	1848	South West
WRK967377	Groundwater Investigation	0.00m-1.50m fill 1.50m-3.00m fill 3.00m-4.00m fill	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-4.00m OUTER LINING - GRAVEL = Gravel			2005-03-01	1850	South
115991	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1854	South
WRK060203	Observation					2010-12-20	1856	South West
WRK983127							1856	South East
WRK060185	Observation					2010-12-20	1857	South West
WRK060182	Observation					2010-12-20	1858	South West
WRK091409	Investigation	0.00m-4.20m BASALTCLAY 4.20m-16.50m BROWN RS BASALT GREY	0.00m-13.50m INNER LINING - CASING = Pvc 13.50m-16.50m INNER LINING - SCREEN = Pvc 0.00m-11.70m OUTER LINING - GRAVEL = Cement 11.70m-13.00m OUTER LINING - GRAVEL = Bentonite 13.00m-16.50m OUTER LINING - GRAVEL = Gravel			2016-02-01	1858	South West
115989	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1858	South
WRK060208	Observation					2010-12-20	1858	South West
WRK060189	Observation					2010-12-20	1859	South West
WRK073605	Observation	0.00m-2.00m FILL 2.00m-5.00m COode island silt	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-5.00m INNER LINING - SCREEN = Pvc 0.00m-0.00m OUTER LINING - GRAVEL = Not Known		3.50m-5.00m Silt	2013-04-06	1859	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060188	Observation					2010-12-20	1860	South West
WRK060212	Observation					2010-12-20	1860	South West
WRK060191	Observation					2010-12-20	1861	South West
WRK060184	Observation					2010-12-20	1862	South West
WRK060190	Observation					2010-12-20	1862	South West
WRK060192	Observation					2010-12-20	1862	South West
WRK060186	Observation					2010-12-20	1863	South West
WRK987985	Groundwater Investigation	0.00m-3.70m fill 3.70m-4.50m basalt	0.00m-1.50m INNER LINING - CASING = Pvc 1.50m-4.50m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2009-04-08	1863	South West
58067	Groundwater Investigation	0.00m-3.00m CLAYEY SILT GRAY MOIST FIRM TRACES SAND MEDIUM	-0.50m-0.60m INNER LINING - CASING = Pvc 0.60m-3.00m INNER LINING - SCREEN = Pvc 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.00m OUTER LINING - GRAVEL = Gravel		0.60m-3.00m Clay	1991-09-26	1864	North West
WRK060183	Observation					2010-12-20	1866	South West
115990	Groundwater Investigation	0.00m-0.50m FILL 0.50m-3.00m DARK GREY SILT	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-3.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Gravel 0.50m-0.80m OUTER LINING - GRAVEL = Bentonite 0.80m-3.00m OUTER LINING - GRAVEL = Gravel			1991-11-25	1867	South
WRK060187	Observation					2010-12-20	1867	South West
WRK060282	Observation					2010-12-20	1868	South West
WRK060284	Observation					2010-12-20	1868	South West
WRK060281	Observation					2010-12-20	1868	South West
WRK060283	Observation					2010-12-20	1868	South West
WRK060280	Observation					2010-12-20	1868	South West
WRK981602							1870	East
WRK060215	Observation					2010-12-20	1870	South West
WRK060278	Observation					2010-12-20	1874	South West
WRK060279	Observation					2010-12-20	1874	South West
WRK060276	Observation					2010-12-20	1874	South West
WRK060277	Observation					2010-12-20	1874	South West
WRK093426	Investigation	0.00m-0.10m ASPHALT 0.10m-0.30m GRAVELLY SAND 0.30m-0.70m SANDY GRAVELLY SILT 0.70m-1.00m CLAY 1.00m-1.30m SILT 1.30m-2.50m SILTY SAND 2.50m-2.80m GRAVELLY SAND 2.80m-3.20m SAND WITH SOME CLAY 3.20m-4.30m SILTY CLAY	0.00m-0.90m INNER LINING - CASING = Pvc 0.90m-3.20m INNER LINING - SCREEN = Pvc 0.00m-0.70m OUTER LINING - GRAVEL = Bentonite 0.70m-3.20m OUTER LINING - GRAVEL = Gravel 3.20m-4.50m OUTER LINING - GRAVEL = Bentonite			2016-04-28	1875	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK060237	Observation					2010-12-20	1877	South West
WRK073604	Observation	0.00m-2.00m FILL 2.00m-5.00m COode island silt	0.00m-3.50m INNER LINING - CASING = Pvc 3.50m-5.00m INNER LINING - SCREEN = Pvc 0.00m-2.30m OUTER LINING - GRAVEL = Cement 2.30m-3.30m OUTER LINING - GRAVEL = Bentonite 3.30m-5.00m OUTER LINING - GRAVEL = Gravel		3.50m-5.00m Silt	2013-10-06	1879	South East
WRK060273	Observation					2010-12-20	1880	South West
WRK060274	Observation					2010-12-20	1880	South West
WRK060275	Observation					2010-12-20	1880	South West
WRK989692	Groundwater Investigation	0.00m-0.10m concrete 0.10m-6.00m fill clay 6.00m-6.50m sadny clay 6.50m-10.00m claey sand	0.80m-7.50m INNER LINING - CASING = Pvc 7.50m-10.00m INNER LINING - SCREEN = Pvc 0.30m-6.60m OUTER LINING - GRAVEL = Cement 6.60m-7.20m OUTER LINING - GRAVEL = Bentonite 7.20m-10.00m OUTER LINING - GRAVEL = Seal			2009-04-01	1881	North East
WRK962899							1884	South West
WRK060197	Observation					2010-12-20	1885	South West
116116	Groundwater Investigation	0.00m-0.60m FILL SANDY SILT BROWN 0.60m-3.00m SANSY CLAY STIFF YELLOW BROWN ORANGE RED BROWN & PAIL GREY 3.00m-3.50m SAND LOOSE BROWN FINE 3.50m-4.45m SAND CLAY VERY STIFF YELLOW BROWN 4.45m-8.80m BASALT MW HIGH STRENGTH BROWN & BLUE GREY 8.80m-10.00m SILTY CLAY HARD ORANGE BROWN 10.00m-11.85m CLAYEY SILT HARD ORANGE BROWN & PALE GREY	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-11.80m INNER LINING - SCREEN = Pvc 3.00m-4.00m OUTER LINING - GRAVEL = Bentonite 4.00m-11.80m OUTER LINING - GRAVEL = Gravel			1992-03-05	1886	East
WRK963051	Groundwater Investigation	0.00m-1.00m CLAY CAP 1.00m-16.50m TIP FILL 16.50m-18.50m BASALT 18.50m-19.30m WET CLAY 19.30m-22.00m BASALT	0.00m-15.00m OUTER LINING - GRAVEL = Cement 15.00m-16.80m OUTER LINING - GRAVEL = Bentonite 16.80m-22.00m OUTER LINING - GRAVEL = Gravel			2003-10-10	1894	North West
WRK963050	Groundwater Investigation	0.00m-1.00m CLAY CAP 1.00m-10.70m TIP FILL 10.70m-11.30m WOOD 11.30m-17.30m CLAY & WEATHERED BASALT 17.30m-23.00m BLUE / YELLOW CLAY 23.00m-28.00m WEATHERED BASALT	0.00m-15.70m INNER LINING - CASING = Pvc 15.70m-25.00m INNER LINING - SLOT = Pvc 0.00m-10.00m OUTER LINING - GRAVEL = Cement 10.00m-12.00m OUTER LINING - GRAVEL = Bentonite 12.00m-25.00m OUTER LINING - GRAVEL = Gravel			2003-10-08	1894	North West
305560	Sec Bores (Use Unidentified)					1965-03-25	1895	South West
WRK060234	Observation					2010-12-20	1901	South West
WRK060206	Observation					2010-12-20	1901	South West
WRK060211	Observation					2010-12-20	1906	South West
WRK060245	Observation					2010-12-20	1908	South West
WRK060220	Observation					2010-12-20	1911	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK056113	Observation	0.00m-4.00m fill 4.00m-9.00m clay	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-9.00m INNER LINING - SCREEN = Pvc 0.00m-3.50m OUTER LINING - GRAVEL = Cement 3.50m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-9.00m OUTER LINING - GRAVEL = Gravel		5.00m-9.00m Clay	2010-04-01	1913	East
WRK060201	Observation					2010-12-20	1913	South West
WRK060244	Observation					2010-12-20	1914	South West
WRK989284							1916	North
WRK965954	Groundwater Investigation	0.00m-0.50m ASHPALT, BASALT ROAD BASE 0.50m-5.00m SILTY CLAY 5.00m-7.10m SANDY SILTY CLAY 7.10m-10.40m SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.40m OUTER LINING - GRAVEL = Gravel			2005-02-04	1917	East
116117	Groundwater Investigation	0.00m-0.60m FILL SAND SILT BROWN STIFF 0.60m-8.85m SILTY CLAY & SANDY CLAY BROWN ORANGE BROWN & YELLOW BROWN VE 8.85m-9.00m CLAYEY SAND GREY MODERATELY DENSE 9.00m-12.25m SILTSTONE MW HIGH STRENGTH GREEN BROWN ORANGE BROWN & PALE G	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-12.20m INNER LINING - SCREEN = Pvc 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-12.20m OUTER LINING - GRAVEL = Gravel			1992-03-07	1918	East
WRK990251							1921	South East
WRK060210	Observation					2010-12-20	1921	South West
145024	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVEL, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1923	South
WRK095651	Investigation	0.00m-1.40m FILL 1.40m-4.50m BASALT 4.50m-16.10m SAND 16.10m-23.40m CLAY 23.40m-25.70m ROCK/WEATHERED	0.00m-14.00m INNER LINING - CASING = Pvc 14.00m-17.00m INNER LINING - SCREEN = Pvc 0.00m-12.00m OUTER LINING - GRAVEL = Bentonite 12.80m-17.50m OUTER LINING - GRAVEL = Gravel 17.50m-25.70m OUTER LINING - GRAVEL = Bentonite		14.00m-17.00m Sand	2016-08-24	1925	South West
58064	Groundwater Investigation	0.00m-4.00m SILT, CLAY MOIST FIRM TRACES SAND MEDIUM	-0.50m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.10m-0.30m OUTER LINING - GRAVEL = Bentonite 0.30m-3.20m OUTER LINING - GRAVEL = Gravel		1.00m-4.00m Clay	1991-10-01	1927	North West
WRK060227	Observation					2010-12-20	1927	South West
WRK990526							1929	South East
WRK986139							1930	South West
WRK965955	Groundwater Investigation	0.00m-0.45m ASHPALT, BASALT ROAD BASE 0.45m-4.00m SILTY CLAY 4.00m-7.50m SILTY SANDY CLAY 7.50m-10.40m SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-1.50m OUTER LINING - GRAVEL = Cement 1.50m-1.90m OUTER LINING - GRAVEL = Bentonite 1.90m-10.00m OUTER LINING - GRAVEL = Gravel			2005-02-04	1930	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK965956	Groundwater Investigation	0.00m-0.15m ASHPALT 0.15m-0.75m BASALT ROAD BASE 0.75m-1.40m SANDY SILT CLAY 1.40m-6.00m SANDY CLAY 6.00m-10.40m SILT STONE	0.00m-3.10m INNER LINING - CASING = Pvc 3.10m-10.10m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.20m OUTER LINING - GRAVEL = Cement 2.20m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.10m OUTER LINING - GRAVEL = Gravel			2005-02-01	1936	East
WRK060225	Observation					2010-12-20	1936	South West
WRK965948	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-1.20m FILL BRICK GLASS 1.20m-9.00m SILTY CLAY	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-9.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-3.00m OUTER LINING - GRAVEL = Bentonite 3.00m-9.00m OUTER LINING - GRAVEL = Gravel			2005-01-24	1938	East
WRK060241	Observation					2010-12-20	1940	South West
WRK060230	Observation					2010-12-20	1945	South West
WRK060228	Observation					2010-12-20	1945	South West
WRK060204	Observation					2010-12-20	1947	South West
145033	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVL, DARK GREY, DARK BROWN, BLUSTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1947	South
WRK981847	Domestic & Stock		0.00m-2.50m OUTER LINING - GRAVEL = Cement 2.50m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-10.00m OUTER LINING - GRAVEL = Gravel			2009-01-15	1948	East
WRK965947	Groundwater Investigation	0.00m-0.20m CONCRETE 0.20m-0.35m FILL BUCKS 0.35m-0.60m CONCRETE 0.60m-1.20m SILTY CLAY 1.20m-6.20m FILLED SILTY CLAY 6.20m-9.00m WEATHERED SILT STONE	0.00m-4.00m INNER LINING - CASING = Pvc 4.00m-9.00m INNER LINING - SCREEN = Pvc 0.00m-2.80m OUTER LINING - GRAVEL = Cement 2.80m-3.50m OUTER LINING - GRAVEL = Bentonite 3.50m-9.00m OUTER LINING - GRAVEL = Gravel			2005-01-25	1949	East
WRK986140							1950	South West
WRK060219	Observation					2010-12-20	1950	South West
WRK986138	Groundwater Investigation					2008-08-20	1953	South West
WRK965945	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-1.30m SANDY CLAY 1.30m-7.50m SANDY SILT 7.50m-10.40m WEATHERED SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.20m OUTER LINING - GRAVEL = Cement 2.20m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.00m OUTER LINING - GRAVEL = Gravel			2005-01-27	1954	East
140519	Groundwater Investigation	0.00m-2.70m FILL BRICKS SAND 2.70m-6.80m BROWN SILTY CLAY 6.80m-8.00m WEATHERED BASALT	0.00m-5.00m INNER LINING - CASING = Pvc 5.00m-8.00m INNER LINING - SCREEN = Pvc 0.00m-4.00m OUTER LINING - GRAVEL = Cement 4.00m-4.50m OUTER LINING - GRAVEL = Bentonite 4.50m-8.00m OUTER LINING - GRAVEL = Gravel			1999-11-19	1954	East

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK965953	Groundwater Investigation	0.00m-0.50m ASHPALT, BASALT ROAD BASE 0.50m-1.20m SILTY CLAY 1.20m-1.60m SILTY SAND 1.60m-7.50m SILTY SANDY CLAY 7.50m-10.40m SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.10m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.20m OUTER LINING - GRAVEL = Cement 2.20m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.10m OUTER LINING - GRAVEL = Gravel			2005-02-07	1957	North East
WRK060236	Observation					2010-12-20	1957	South West
WRK965946	Groundwater Investigation	0.00m-0.45m CONCRETE 0.45m-1.20m SANDY CLAY 1.20m-6.60m SILTY CLAY 6.60m-10.40m WEATHERED SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-1.90m OUTER LINING - GRAVEL = Cement 1.90m-2.70m OUTER LINING - GRAVEL = Bentonite 2.70m-10.00m OUTER LINING - GRAVEL = Gravel			2005-01-27	1962	East
WRK053259	Observation					2009-12-11	1963	South East
WRK053258	Observation					2009-12-22	1963	South East
WRK053260	Observation					2009-12-11	1963	South East
WRK060196	Observation					2010-12-20	1964	South West
WRK053257	Observation	0.00m-1.00m fill 1.00m-4.00m coote island silt	0.00m-1.00m INNER LINING - CASING = Pvc 1.00m-4.00m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.00m OUTER LINING - GRAVEL = Gravel		0.00m-1.00m Fill 1.00m-4.00m Silt	2009-12-11	1964	South East
WRK955605		0.00m-0.15m CONCRETE 0.15m-0.60m FILL GRAVEL BASALT 0.60m-1.50m FILL SILTY CLAY 1.50m-6.00m SILTY CLAY 6.00m-10.40m SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.40m INNER LINING - SCREEN = Pvc 0.25m-2.10m OUTER LINING - GRAVEL = Cement 2.10m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.10m OUTER LINING - GRAVEL = Not Known			2005-02-08	1964	East
WRK965942	Domestic & Stock, Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-1.50m FILLED GRAVEL BASALT 1.50m-6.00m SILTY CLAY 6.00m-10.40m SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.00m INNER LINING - SCREEN = Pvc 0.25m-2.10m OUTER LINING - GRAVEL = Cement 2.10m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.10m OUTER LINING - GRAVEL = Not Known			2005-02-08	1964	East
WRK965959	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-0.55m SANDS BRUEKS 0.55m-0.75m CONCRETE 0.75m-1.30m SILTY SANDY CLAY 1.30m-5.00m SANDY CLAY 5.00m-10.20m SILT STONE, BASALT	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.40m INNER LINING - SCREEN = Pvc 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.70m OUTER LINING - GRAVEL = Bentonite 2.70m-10.40m OUTER LINING - GRAVEL = Gravel			2005-01-31	1971	North East
WRK060240	Observation					2010-12-20	1973	South West
WRK986622							1974	South West

Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK965944	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-1.30m SILTY CLAY 1.30m-7.80m FILLED SILTY CLAY 7.80m-10.40m WEATHERED SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.40m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.40m OUTER LINING - GRAVEL = Gravel			2005-01-28	1977	East
145028	Groundwater Investigation	0.00m-0.10m ASPHALT 0.10m-1.10m SANDY GRAVEL, DARK GREY, DARK BROWN, BLUESTONE COBBLES 1.10m-2.80m SANDY CLAY, DARK BROWN 2.80m-4.50m CLAYEY SILT, SOME FINE SAND, DARK GREY	0.00m-1.50m INNER LINING - CASING = Pvc Class 18 1.50m-4.50m INNER LINING - SCREEN = Pvc Class 18 0.00m-0.50m OUTER LINING - GRAVEL = Cement 0.50m-1.00m OUTER LINING - GRAVEL = Bentonite 1.00m-4.50m OUTER LINING - GRAVEL = Gravel			2001-09-14	1981	South
WRK965952	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-1.30m SILTY SANDY CLAY 1.30m-6.50m SANDY CLAY 6.50m-10.40m SILT STONE	0.00m-3.00m INNER LINING - CASING = Pvc 3.00m-10.40m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.00m OUTER LINING - GRAVEL = Cement 2.00m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.40m OUTER LINING - GRAVEL = Gravel			2005-02-07	1982	East
WRK073612	Observation	0.00m-10.00m SILT	0.00m-7.00m INNER LINING - CASING = Pvc 7.00m-10.00m INNER LINING - SCREEN = Pvc 0.00m-5.50m OUTER LINING - GRAVEL = Cement 5.50m-6.50m OUTER LINING - GRAVEL = Bentonite 6.50m-10.00m OUTER LINING - GRAVEL = Gravel		7.00m-10.00m Silt	2013-04-11	1987	East
WRK074718	Observation	0.00m-3.90m CLAY 3.90m-14.95m BASALT 14.95m-24.50m SAND 24.50m-30.10m SILTSTONE	0.00m-20.30m INNER LINING - CASING = Pvc 0.00m-17.80m OUTER LINING - GRAVEL = Cement 17.80m-19.80m OUTER LINING - GRAVEL = Bentonite 19.80m-23.30m OUTER LINING - GRAVEL = Seal 23.30m-30.10m OUTER LINING - GRAVEL = Cement			2013-05-16	1989	East
WRK965958	Groundwater Investigation	0.00m-0.15m CONCRETE 0.15m-1.20m SILTY SANDY CLAY 1.20m-4.50m SANDY CLAY 4.50m-10.40m WEATHERED SILT STONE	0.00m-3.10m INNER LINING - CASING = Pvc 3.10m-10.10m INNER LINING - SCREEN = Pvc 0.00m-0.40m OUTER LINING - GRAVEL = Cement 0.40m-2.20m OUTER LINING - GRAVEL = Cement 2.20m-2.80m OUTER LINING - GRAVEL = Bentonite 2.80m-10.10m OUTER LINING - GRAVEL = Gravel			2005-01-31	1994	East
WRK060229	Observation					2010-12-20	1997	South West
WRK074720	Observation	0.00m-5.50m SILTY CLAY 5.50m-10.60m OLDER VOLCANIC BASALT 10.60m-14.70m SANDY CLAY 14.70m-39.70m SILTSTONE& MUDSTONE	0.00m-29.50m INNER LINING - CASING = Pvc 29.50m-32.70m INNER LINING - SCREEN = Pvc Class 18 0.00m-26.50m OUTER LINING - GRAVEL = Cement 26.50m-28.50m OUTER LINING - GRAVEL = Bentonite 28.50m-32.70m OUTER LINING - GRAVEL = Gravel 32.70m-39.75m OUTER LINING - GRAVEL = Bentonite		29.50m-32.70m Mudstone	2013-05-30	1997	East
WRK060231	Observation					2010-12-01	1997	South West

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

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
109523		Department of Manufacturing & Industry Development	Groundwater Observation	Percussion (cable)		02/06/1971	23.77	2.94	100	498	East
109502		Department of Manufacturing & Industry Development	Groundwater Observation	Percussion (cable)		27/09/1972	27.43		100	1063	West
305551		State Electricity Commission of Victoria		Hand Auger		17/04/1964	1.83		100	1292	South West
305548		State Electricity Commission of Victoria		Hand Auger		17/04/1964	1.83		100	1301	South West
305560		State Electricity Commission of Victoria		Rotary (diamond/drag bit)		25/03/1965	6.10		100	1895	South West

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
S9037048/1		Groundwater	Groundwater Investigation		D: 0.000m-1.700m Fill Silty Clayey Sand D: 1.700m-1.900m Clay D: 1.900m-2.000m Gravelly Sand D: 2.000m-2.100m Clay D: 2.100m-7.000m Sandy Clay D: 7.000m-10.000m Silty Sandy Clay	1761	North East

Boreholes FedUni Data Source: © Federation University Australia

Historical Mining Activity - Shafts

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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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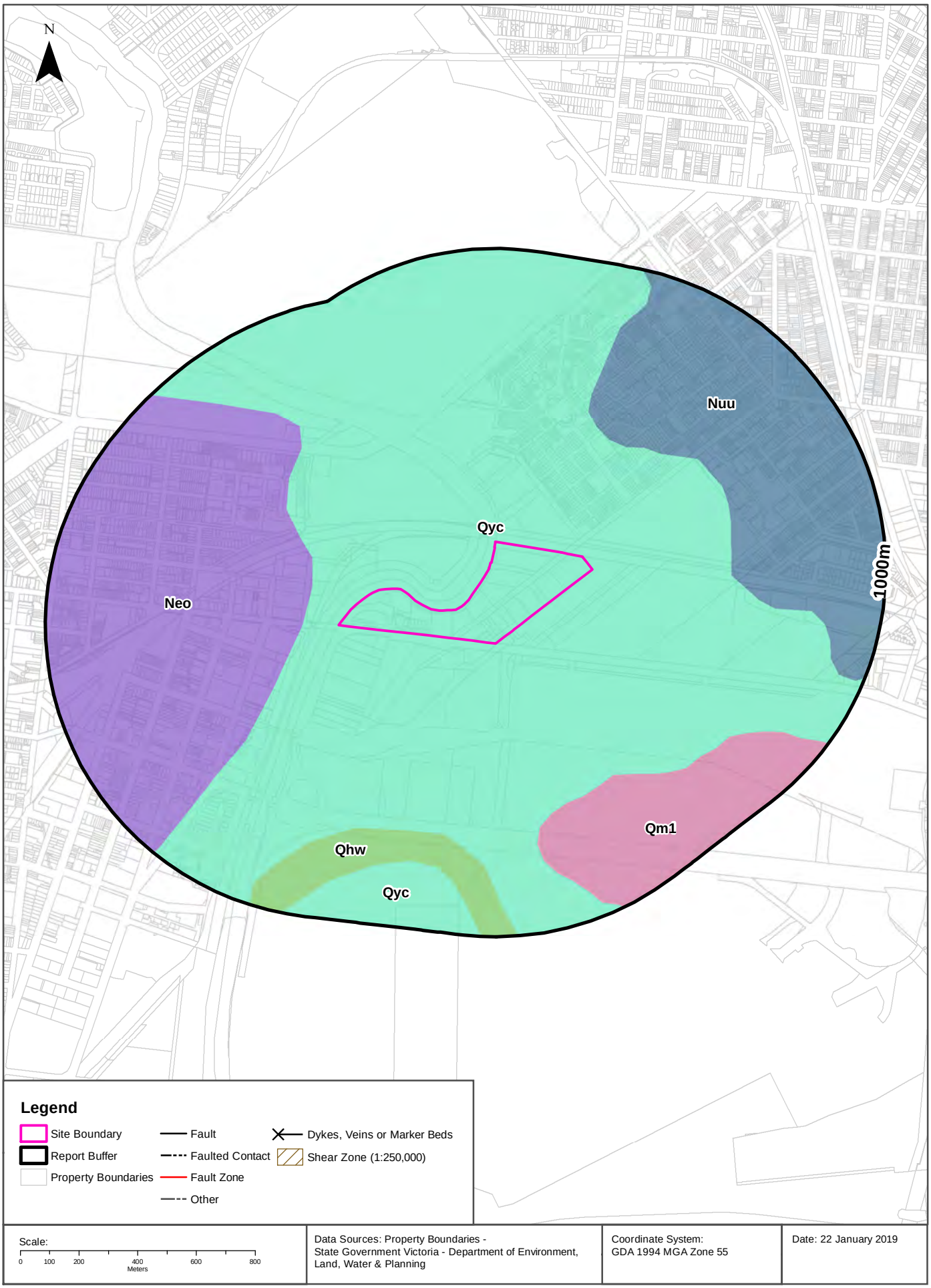
Geology 1:50,000

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Data Sources: Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

Geology

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Geological Units

What are the Geological Units onsite?

Symbol	Name	Description	Geological Age	Lithology	Dataset
Qyc	Coode Island Silt(Qyc): generic	Black silt, clay: lagoon deposits; abundant marine fossils including bivalves, gastropods, barnacles and foraminifera.	Holocene to Holocene	silt material (major proportion); clay lithology (minor proportion)	1:50,000

What are the Geological Units within the dataset buffer?

Symbol	Name	Description	Geological Age	Lithology	Dataset
Neo	Newer Volcanic Group - basalt flows (Neo): generic	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene	alkali basalt (major proportion); tholeiitic basalt (major proportion); alluvium (minor proportion); tuff (minor proportion)	1:50,000
Nuu	Tullamarine Basalt (Nuu): generic	Lava flows: alkali olivine basalt	Aquitanian to Burdigalian	basalt (all)	1:50,000
Qhw	waste deposits (Qhw): generic	Clayey silt containing organic and non-organic material; land fill of various kinds.	Holocene to Holocene	fill (all)	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
Qyc	Coode Island Silt(Qyc): generic	Black silt, clay: lagoon deposits; abundant marine fossils including bivalves, gastropods, barnacles and foraminifera.	Holocene to Holocene	silt material (major proportion); clay lithology (minor proportion)	1:50,000

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

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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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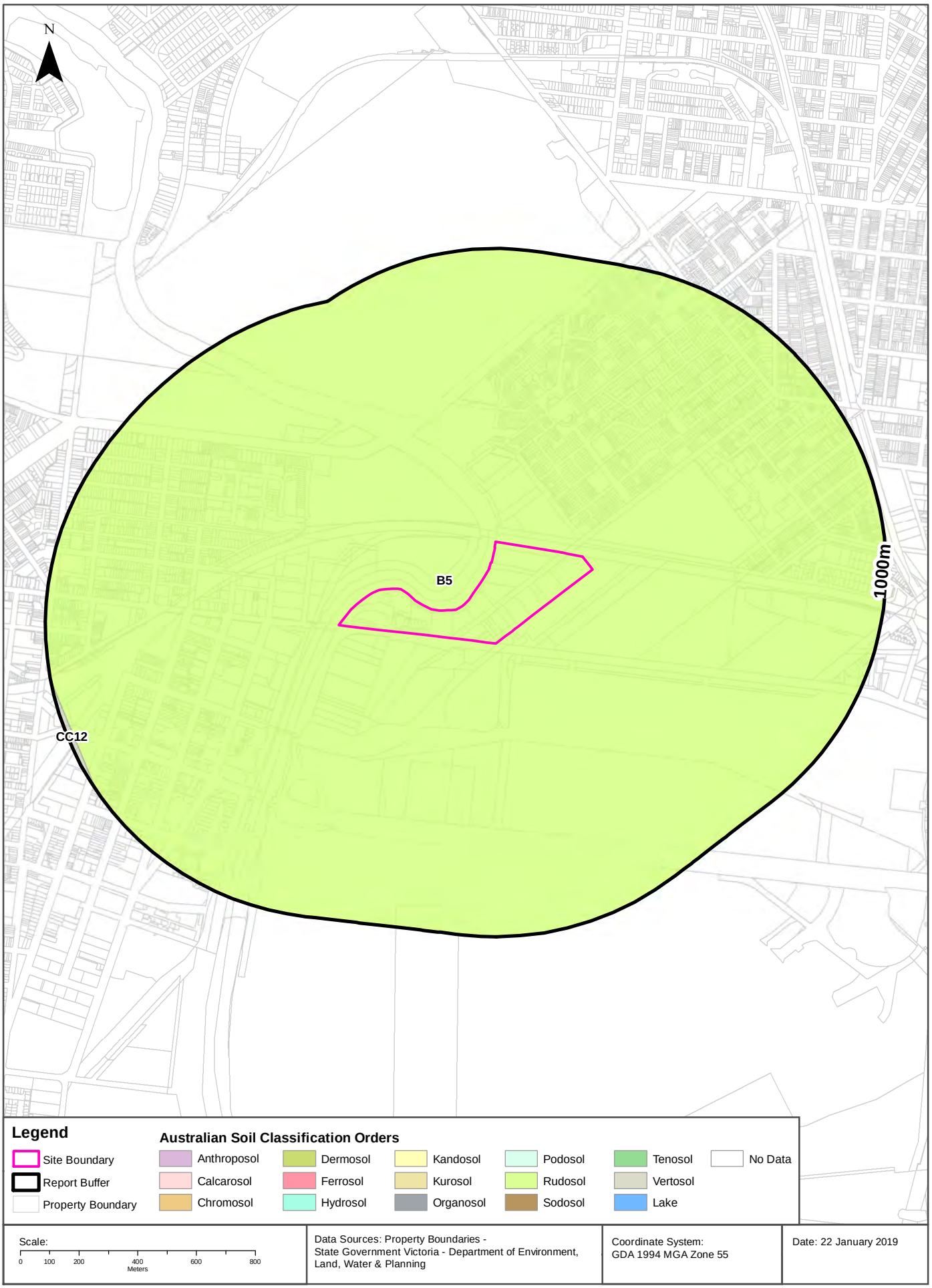
Atlas of Australian Soils

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Soil Landscapes

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Atlas of Australian Soils

Australian soil types within the dataset buffer:

Symbol	Soil Order	Map Unit Description	Distance
B5	Rudosol	Coastal plains with dunes, swamps, and lakes: plains and dunes of siliceous sands (Uc1.2) and silty soils (Um1) and plains of clay soils (Uf) and (Ug); some terrace remnants where the plains merge with the stream valleys of dark, deep, porous loamy soils (Um6.12) on the lower terraces, and hard alkaline soils (Dr2.23) on the higher terraces.	0m
CC12	Vertosol	Gently undulating, dissected tablelands at low elevations: the flatter tableland areas, the gilgai plains, have cracking grey clays (Ug5.2) in association with a variety of other soils including hard alkaline dark mottled soils (Dd2.33), hard alkaline yellow mottled soils (Dy3.33), (Dy2.1), and also possibly coarse cracking clays (Ug5..')), with small areas of hard alkaline brown mottled soils (Db2.33) in the better drained situations; with cracking dark clays (Ug5.14) which occur (l) among the sinuous flows of basalt boulders which are similar to very low stony rises, (2) on the steep slopes above the incised stream valleys, and (3) sometimes on stream terraces. Ironstone gravels may occur in surface horizons of (D) soils.	980m

Atlas of Australian Soils: CSIRO
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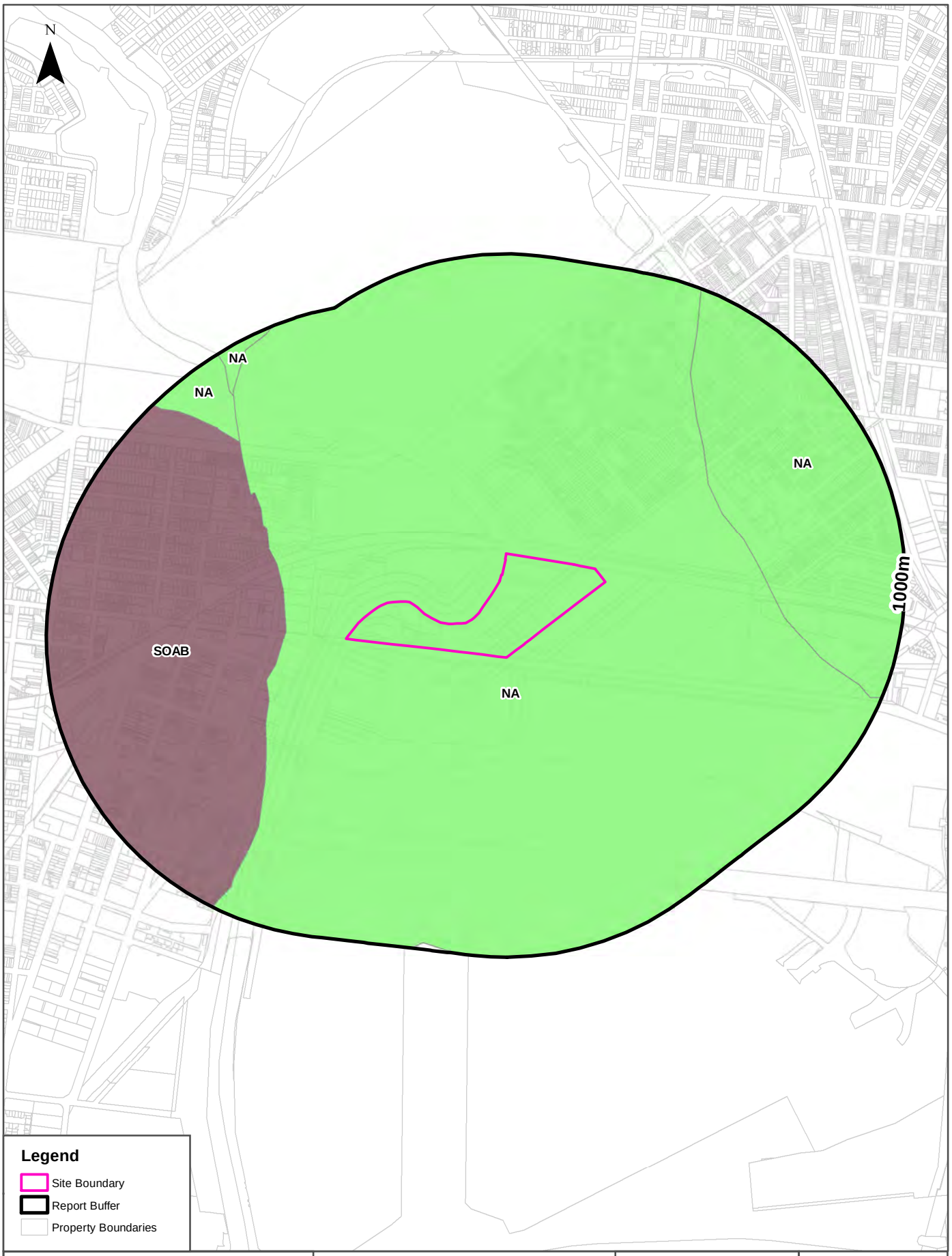
Victorian Soil Type Mapping

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Data Sources: Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning

Coordinate System: GDA 1994 MGA Zone 55

Date: 22 January 2019

Soil Landscapes

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Victorian Soil Type Mapping

Victorian Soil Types within the dataset buffer:

Symbol	Description	Distance
NA	Unassigned	0m
SOAB	Brown Sodosols	202m

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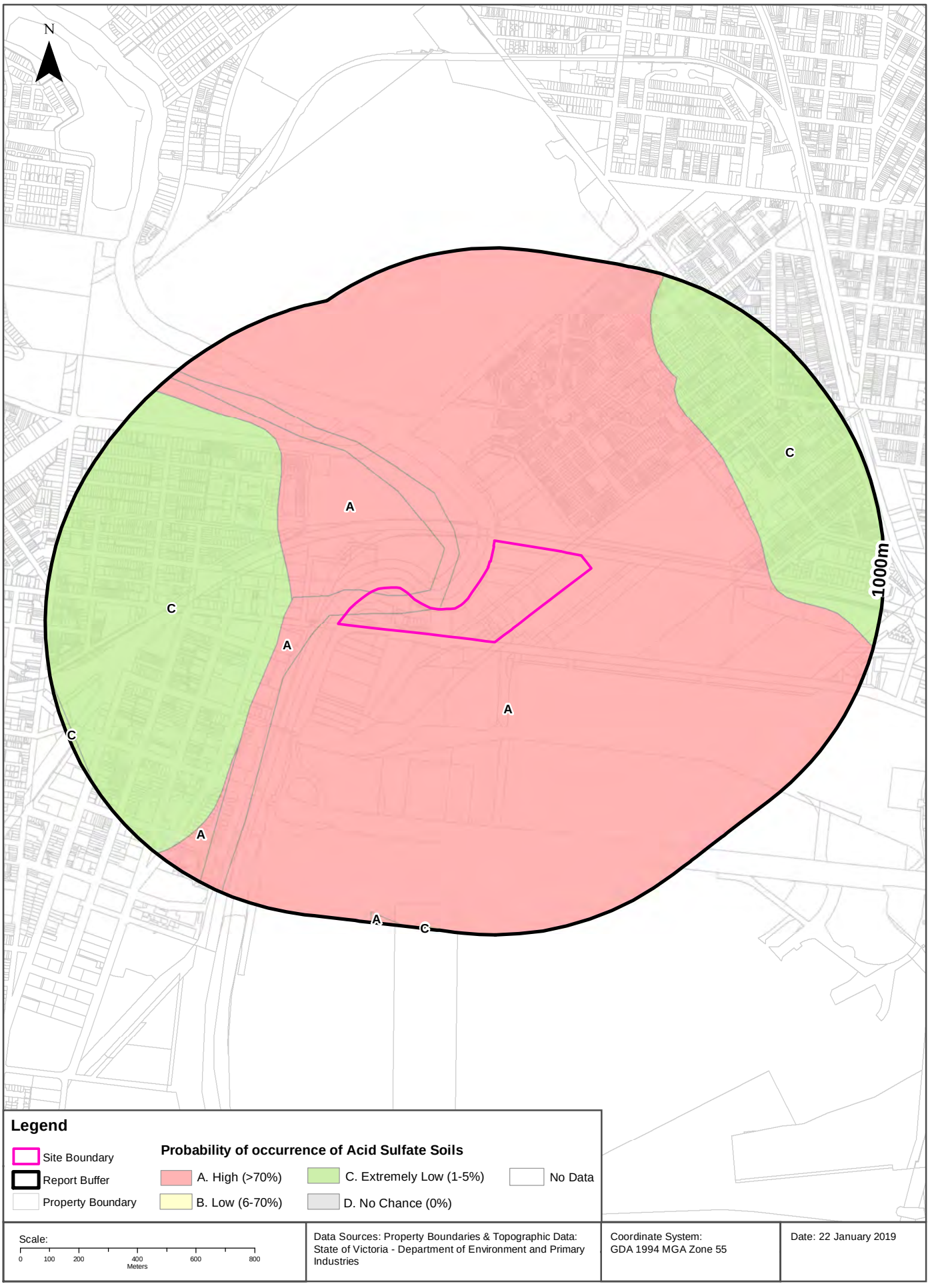
Atlas of Australian Acid Sulfate Soils

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Acid Sulfate Soils

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Atlas of Australian Acid Sulfate Soils

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

PROBCLASS	Description	Distance
A	High Probability of occurrence. >70% chance of occurrence.	0m
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	180m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO
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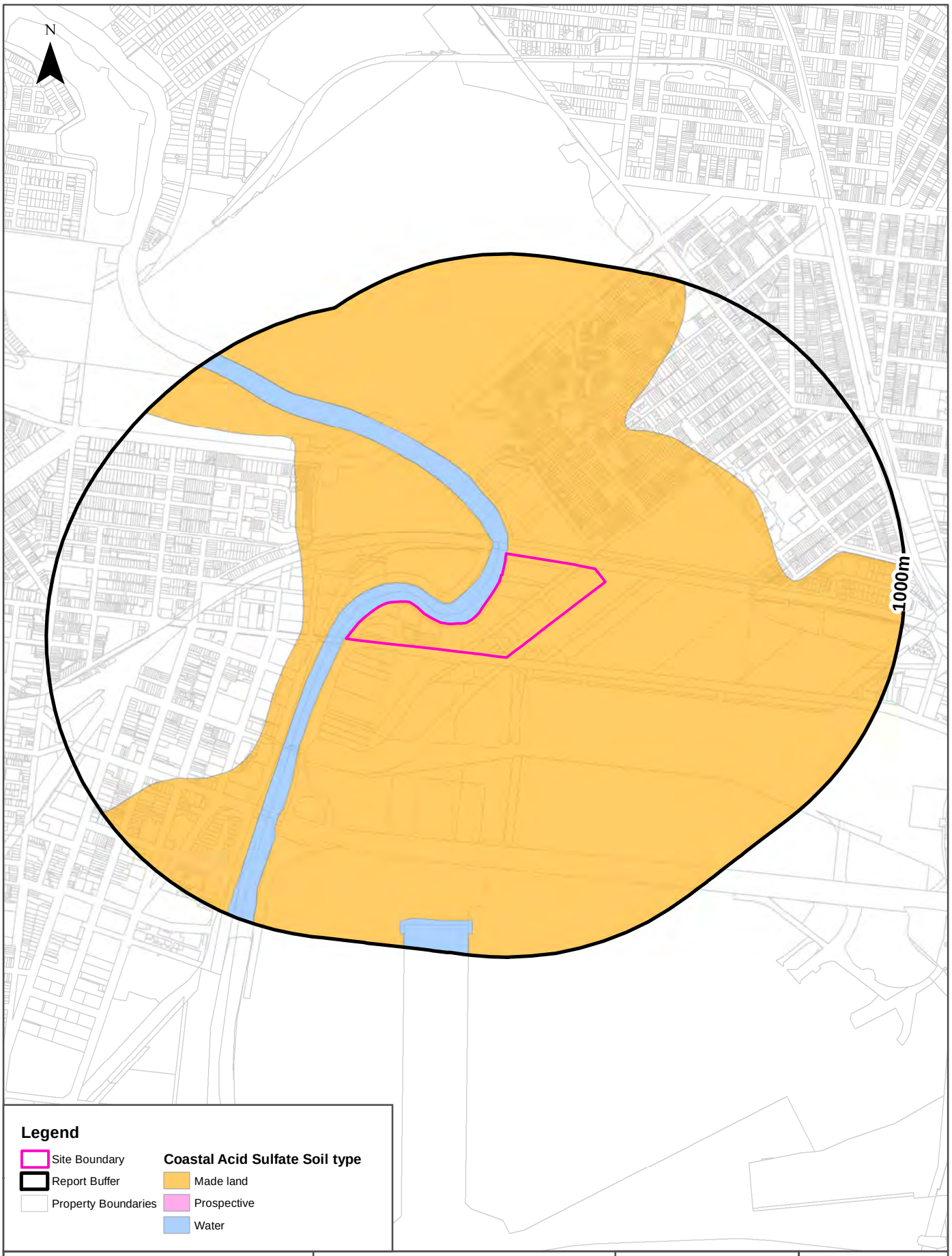
Coastal Acid Sulfate Soils

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Coastal Acid Sulfate Soils

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Coastal Acid Sulfate Soils

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

Coastal Acid Sulfate Soil Types
Made land

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

Coastal Acid Sulfate Soil Types	Distance	Direction
Made land	0m	Onsite
Water	1m	North West
Water	884m	South East

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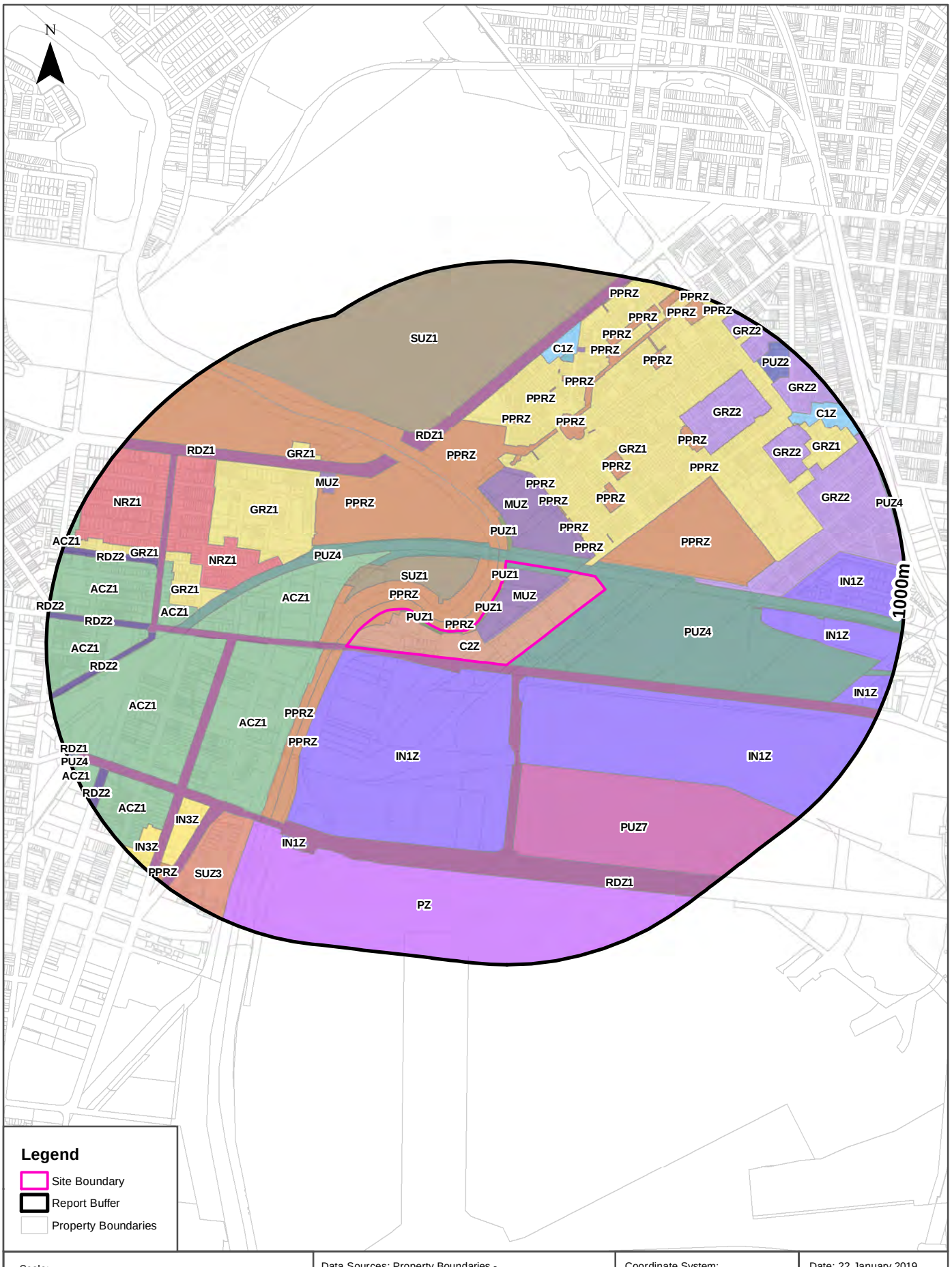
Planning Zones

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Planning Zones

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Planning Zones

Planning zones within the dataset buffer:

Zone Code	Description	Distance	Direction
C2Z	COMMERCIAL 2 ZONE	0m	Onsite
MUZ	MIXED USE ZONE	0m	Onsite
PUZ4	PUBLIC USE ZONE - TRANSPORT	0m	Onsite
PPRZ	PUBLIC PARK AND RECREATION ZONE	0m	Onsite
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	0m	Onsite
RDZ1	ROAD ZONE - CATEGORY 1	0m	Onsite
IN1Z	INDUSTRIAL 1 ZONE	12m	South West
PPRZ	PUBLIC PARK AND RECREATION ZONE	17m	South West
PPRZ	PUBLIC PARK AND RECREATION ZONE	25m	West
PUZ4	PUBLIC USE ZONE - TRANSPORT	28m	North West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	30m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	36m	North West
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	36m	North
RDZ1	ROAD ZONE - CATEGORY 1	36m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	47m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	49m	East
MUZ	MIXED USE ZONE	50m	North East
IN1Z	INDUSTRIAL 1 ZONE	66m	South East
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	75m	South West
SUZ1	SPECIAL USE ZONE - SCHEDULE 1	75m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	90m	North East
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	91m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	114m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	126m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	183m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	218m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	269m	North
GRZ2	GENERAL RESIDENTIAL ZONE - SCHEDULE 2	299m	East
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	305m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	328m	North East
PUZ7	PUBLIC USE ZONE - OTHER PUBLIC USE	333m	South East

Zone Code	Description	Distance	Direction
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	335m	West
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	398m	West
MUZ	MIXED USE ZONE	429m	North West
PPRZ	PUBLIC PARK AND RECREATION ZONE	433m	North East
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	437m	West
RDZ1	ROAD ZONE - CATEGORY 1	461m	North
PPRZ	PUBLIC PARK AND RECREATION ZONE	462m	North
PPRZ	PUBLIC PARK AND RECREATION ZONE	464m	North East
IN1Z	INDUSTRIAL 1 ZONE	493m	East
SUZ1	SPECIAL USE ZONE - SCHEDULE 1	508m	North
PPRZ	PUBLIC PARK AND RECREATION ZONE	512m	North East
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	513m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	530m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	545m	North
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	547m	North West
GRZ2	GENERAL RESIDENTIAL ZONE - SCHEDULE 2	557m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	581m	North
IN1Z	INDUSTRIAL 1 ZONE	583m	East
PPRZ	PUBLIC PARK AND RECREATION ZONE	619m	North
PPRZ	PUBLIC PARK AND RECREATION ZONE	625m	North
RDZ2	ROAD ZONE - CATEGORY 2	637m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	648m	North
PZ	PORT ZONE	648m	South
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	656m	West
SUZ3	SPECIAL USE ZONE - SCHEDULE 3	656m	South West
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	660m	West
IN1Z	INDUSTRIAL 1 ZONE	662m	South West
C1Z	COMMERCIAL 1 ZONE	670m	North
PUZ6	PUBLIC USE ZONE - LOCAL GOVERNMENT	688m	North
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	692m	West
IN3Z	INDUSTRIAL 3 ZONE	700m	South West
NRZ1	NEIGHBOURHOOD RESIDENTIAL ZONE - SCHEDULE 1	701m	West
GRZ2	GENERAL RESIDENTIAL ZONE - SCHEDULE 2	702m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	717m	North East
MUZ	MIXED USE ZONE	727m	North
PPRZ	PUBLIC PARK AND RECREATION ZONE	736m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	754m	North East

Zone Code	Description	Distance	Direction
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	755m	South West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	781m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	816m	North East
C1Z	COMMERCIAL 1 ZONE	831m	North East
IN1Z	INDUSTRIAL 1 ZONE	837m	East
GRZ2	GENERAL RESIDENTIAL ZONE - SCHEDULE 2	856m	North East
IN3Z	INDUSTRIAL 3 ZONE	868m	South West
PPRZ	PUBLIC PARK AND RECREATION ZONE	875m	North East
PUZ2	PUBLIC USE ZONE - EDUCATION	878m	North East
PPRZ	PUBLIC PARK AND RECREATION ZONE	894m	North East
RDZ2	ROAD ZONE - CATEGORY 2	895m	South West
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	915m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	936m	South West
PUZ4	PUBLIC USE ZONE - TRANSPORT	949m	South West
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	967m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	973m	North East
PUZ2	PUBLIC USE ZONE - EDUCATION	980m	West
PPRZ	PUBLIC PARK AND RECREATION ZONE	990m	North East
ACZ1	ACTIVITY CENTRE ZONE - SCHEDULE 1	993m	West

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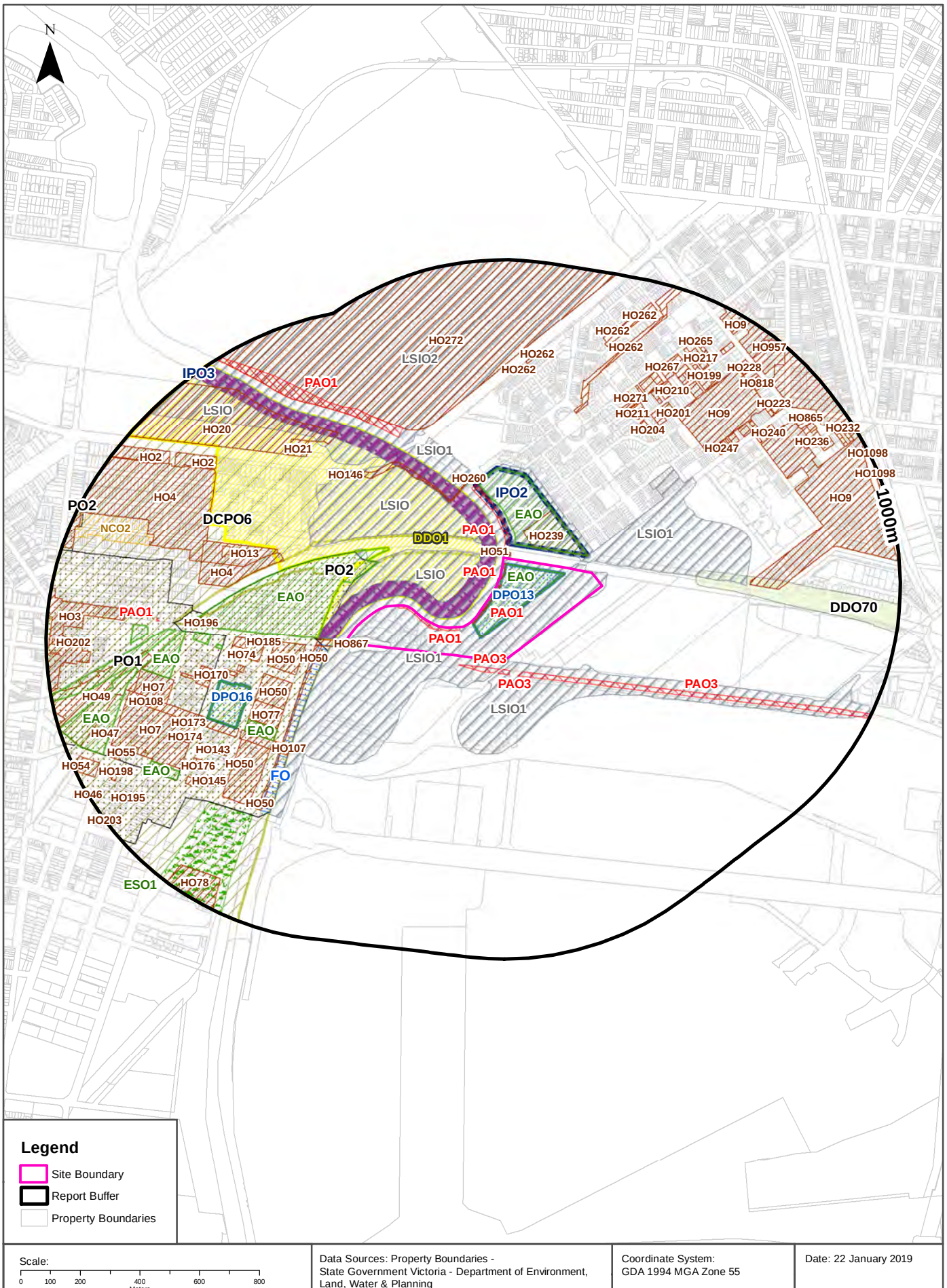
Planning Overlays

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Planning Overlays

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Planning Overlays

Planning overlays within the dataset buffer:

Zone Code	Description	Distance	Direction
LSIO1	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 1	0m	Onsite
EAO	ENVIRONMENTAL AUDIT OVERLAY	0m	Onsite
DPO13	DEVELOPMENT PLAN OVERLAY - SCHEDULE 13	0m	Onsite
PAO1	PUBLIC ACQUISITION OVERLAY 1	0m	Onsite
PAO1	PUBLIC ACQUISITION OVERLAY 1	0m	Onsite
PAO1	PUBLIC ACQUISITION OVERLAY 1	0m	North
HO867	HERITAGE OVERLAY (HO867)	0m	West
HO261	HERITAGE OVERLAY (HO261)	7m	North
LSIO1	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 1	23m	South East
IPO3	INCORPORATED PLAN OVERLAY - SCHEDULE 3	25m	North West
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	25m	North West
DCPO6	DEVELOPMENT CONTRIBUTIONS PLAN OVERLAY - SCHEDULE 6	25m	West
DDO1	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 1	25m	North West
PAO3	PUBLIC ACQUISITION OVERLAY 3	30m	South
PAO3	PUBLIC ACQUISITION OVERLAY 3	30m	South
LSIO1	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 1	31m	North East
HO51	HERITAGE OVERLAY (HO51)	31m	North
PAO1	PUBLIC ACQUISITION OVERLAY 1	33m	North
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	45m	North West
FO	FLOODWAY OVERLAY	48m	South West
EAO	ENVIRONMENTAL AUDIT OVERLAY	50m	North
IPO2	INCORPORATED PLAN OVERLAY - SCHEDULE 2	50m	North
HO239	HERITAGE OVERLAY (HO239)	50m	North East
PO2	PARKING OVERLAY - PRECINCT 2	63m	West
PAO3	PUBLIC ACQUISITION OVERLAY 3	66m	East
HO50	HERITAGE OVERLAY (HO50)	77m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	91m	West
HO50	HERITAGE OVERLAY (HO50)	131m	West
HO50	HERITAGE OVERLAY (HO50)	222m	West
HO146	HERITAGE OVERLAY (HO146)	259m	North West

Zone Code	Description	Distance	Direction
HO185	HERITAGE OVERLAY (HO185)	264m	West
HO260	HERITAGE OVERLAY (HO260)	269m	North
LSIO1	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 1	279m	North
HO77	HERITAGE OVERLAY (HO77)	304m	South West
DDO70	DESIGN AND DEVELOPMENT OVERLAY - SCHEDULE 70	314m	East
HO73	HERITAGE OVERLAY (HO73)	322m	West
HO4	HERITAGE OVERLAY (HO4)	330m	West
HO74	HERITAGE OVERLAY (HO74)	336m	West
HO201	HERITAGE OVERLAY (HO201)	344m	West
DPO16	DEVELOPMENT PLAN OVERLAY - SCHEDULE 16	352m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	352m	West
HO13	HERITAGE OVERLAY (HO13)	364m	West
HO50	HERITAGE OVERLAY (HO50)	366m	South West
EAO	ENVIRONMENTAL AUDIT OVERLAY	369m	South West
HO167	HERITAGE OVERLAY (HO167)	373m	West
HO107	HERITAGE OVERLAY (HO107)	394m	South West
PO1	PARKING OVERLAY - PRECINCT 1	398m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	410m	West
HO50	HERITAGE OVERLAY (HO50)	428m	South West
HO50	HERITAGE OVERLAY (HO50)	436m	South West
HO169	HERITAGE OVERLAY (HO169)	447m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	449m	West
HO170	HERITAGE OVERLAY (HO170)	452m	West
HO108	HERITAGE OVERLAY (HO108)	457m	West
HO171	HERITAGE OVERLAY (HO171)	469m	West
HO196	HERITAGE OVERLAY (HO196)	480m	West
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	484m	North West
HO56	HERITAGE OVERLAY (HO56)	485m	West
LSIO2	LAND SUBJECT TO INUNDATION OVERLAY - SCHEDULE 2	493m	North
HO9	HERITAGE OVERLAY (HO9)	495m	North East
HO136	HERITAGE OVERLAY (HO136)	500m	West
HO204	HERITAGE OVERLAY (HO204)	505m	North East
HO272	HERITAGE OVERLAY (HO272)	508m	North
HO111	HERITAGE OVERLAY (HO111)	513m	West
HO262	HERITAGE OVERLAY (HO262)	519m	North East
EAO	ENVIRONMENTAL AUDIT OVERLAY	533m	West
PAO1	PUBLIC ACQUISITION OVERLAY 1	535m	North West

Zone Code	Description	Distance	Direction
HO211	HERITAGE OVERLAY (HO211)	539m	North East
HO143	HERITAGE OVERLAY (HO143)	541m	South West
HO202	HERITAGE OVERLAY (HO202)	544m	North East
HO4	HERITAGE OVERLAY (HO4)	552m	West
HO211	HERITAGE OVERLAY (HO211)	556m	North East
HO9	HERITAGE OVERLAY (HO9)	557m	North East
HO21	HERITAGE OVERLAY (HO21)	566m	North West
HO172	HERITAGE OVERLAY (HO172)	567m	South West
HO173	HERITAGE OVERLAY (HO173)	567m	West
EAO	ENVIRONMENTAL AUDIT OVERLAY	568m	West
HO20	HERITAGE OVERLAY (HO20)	578m	North West
HO7	HERITAGE OVERLAY (HO7)	578m	West
HO247	HERITAGE OVERLAY (HO247)	582m	North East
HO201	HERITAGE OVERLAY (HO201)	584m	North East
HO271	HERITAGE OVERLAY (HO271)	585m	North East
HO7	HERITAGE OVERLAY (HO7)	586m	West
HO174	HERITAGE OVERLAY (HO174)	605m	West
HO175	HERITAGE OVERLAY (HO175)	610m	South West
HO815	HERITAGE OVERLAY (HO815)	612m	North East
HO269	HERITAGE OVERLAY (HO269)	615m	North East
HO176	HERITAGE OVERLAY (HO176)	619m	South West
HO262	HERITAGE OVERLAY (HO262)	620m	North
PAO1	PUBLIC ACQUISITION OVERLAY 1	625m	West
HO868	HERITAGE OVERLAY (HO868)	627m	North East
HO246	HERITAGE OVERLAY (HO246)	627m	North East
HO145	HERITAGE OVERLAY (HO145)	632m	South West
HO210	HERITAGE OVERLAY (HO210)	632m	North East
HO245	HERITAGE OVERLAY (HO245)	639m	North East
HO49	HERITAGE OVERLAY (HO49)	641m	West
HO262	HERITAGE OVERLAY (HO262)	655m	North
ESO1	ENVIRONMENTAL SIGNIFICANCE OVERLAY - SCHEDULE 1	656m	South West
EAO	ENVIRONMENTAL AUDIT OVERLAY	660m	West
HO268	HERITAGE OVERLAY (HO268)	665m	North East
HO53	HERITAGE OVERLAY (HO53)	680m	South West
HO244	HERITAGE OVERLAY (HO244)	681m	North East
HO200	HERITAGE OVERLAY (HO200)	681m	North East
HO267	HERITAGE OVERLAY (HO267)	696m	North East

Zone Code	Description	Distance	Direction
EAO	ENVIRONMENTAL AUDIT OVERLAY	700m	West
HO209	HERITAGE OVERLAY (HO209)	701m	North East
EAO	ENVIRONMENTAL AUDIT OVERLAY	703m	South West
HO2	HERITAGE OVERLAY (HO2)	710m	North West
HO819	HERITAGE OVERLAY (HO819)	710m	North East
HO199	HERITAGE OVERLAY (HO199)	720m	North East
NCO2	NEIGHBOURHOOD CHARACTER OVERLAY - SCHEDULE 2	725m	West
HO243	HERITAGE OVERLAY (HO243)	725m	North East
HO208	HERITAGE OVERLAY (HO208)	726m	North East
HO240	HERITAGE OVERLAY (HO240)	736m	North East
HO3	HERITAGE OVERLAY (HO3)	743m	West
HO198	HERITAGE OVERLAY (HO198)	748m	North East
HO262	HERITAGE OVERLAY (HO262)	754m	North East
HO208	HERITAGE OVERLAY (HO208)	755m	North East
HO112	HERITAGE OVERLAY (HO112)	759m	West
HO217	HERITAGE OVERLAY (HO217)	773m	North East
HO207	HERITAGE OVERLAY (HO207)	775m	North East
HO215	HERITAGE OVERLAY (HO215)	782m	North East
HO241	HERITAGE OVERLAY (HO241)	797m	North East
HO266	HERITAGE OVERLAY (HO266)	798m	North East
HO206	HERITAGE OVERLAY (HO206)	808m	North East
HO223	HERITAGE OVERLAY (HO223)	813m	North East
HO262	HERITAGE OVERLAY (HO262)	816m	North East
HO818	HERITAGE OVERLAY (HO818)	824m	North East
HO55	HERITAGE OVERLAY (HO55)	827m	West
HO265	HERITAGE OVERLAY (HO265)	827m	North East
HO227	HERITAGE OVERLAY (HO227)	830m	North East
HO2	HERITAGE OVERLAY (HO2)	835m	North West
HO228	HERITAGE OVERLAY (HO228)	837m	North East
HO47	HERITAGE OVERLAY (HO47)	839m	West
HO238	HERITAGE OVERLAY (HO238)	848m	North East
HO236	HERITAGE OVERLAY (HO236)	850m	North East
HO234	HERITAGE OVERLAY (HO234)	852m	North East
HO205	HERITAGE OVERLAY (HO205)	853m	North East
HO199	HERITAGE OVERLAY (HO199)	857m	West
HO866	HERITAGE OVERLAY (HO866)	858m	North East
HO230	HERITAGE OVERLAY (HO230)	865m	North East

Zone Code	Description	Distance	Direction
HO237	HERITAGE OVERLAY (HO237)	867m	North East
HO198	HERITAGE OVERLAY (HO198)	869m	South West
HO865	HERITAGE OVERLAY (HO865)	881m	North East
HO957	HERITAGE OVERLAY (HO957)	883m	North East
HO195	HERITAGE OVERLAY (HO195)	887m	South West
HO202	HERITAGE OVERLAY (HO202)	893m	West
HO197	HERITAGE OVERLAY (HO197)	895m	South West
HO78	HERITAGE OVERLAY (HO78)	895m	South West
HO54	HERITAGE OVERLAY (HO54)	915m	West
HO233	HERITAGE OVERLAY (HO233)	931m	North East
HO57	HERITAGE OVERLAY (HO57)	947m	West
HO232	HERITAGE OVERLAY (HO232)	956m	North East
HO58	HERITAGE OVERLAY (HO58)	957m	West
HO1098	HERITAGE OVERLAY (HO1098)	984m	East
HO1098	HERITAGE OVERLAY (HO1098)	993m	North East
HO203	HERITAGE OVERLAY (HO203)	993m	South West
HO46	HERITAGE OVERLAY (HO46)	994m	South West

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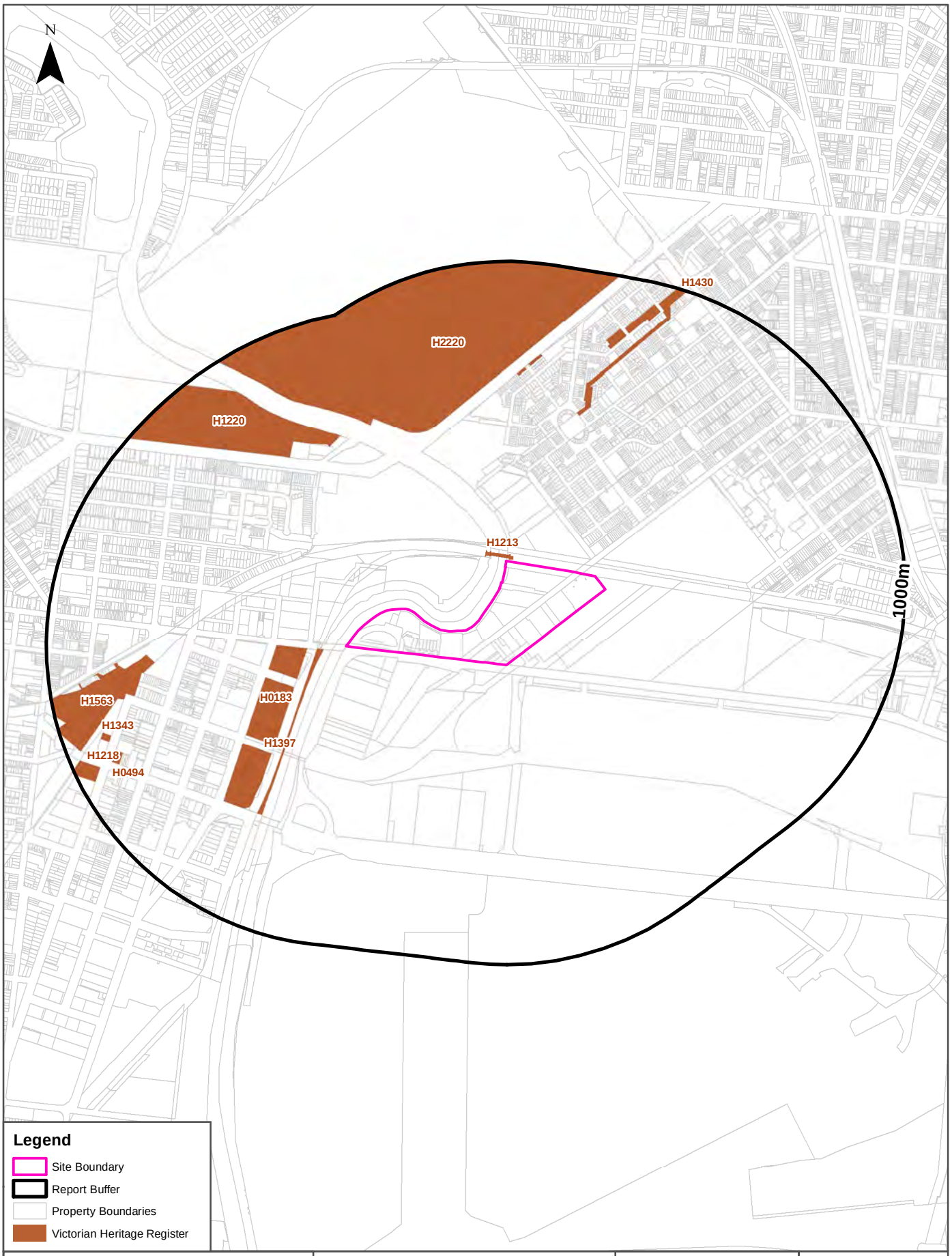
Victorian Heritage Register

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Heritage

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Victorian Heritage Register

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

VHR Number	Description	Distance	Direction
H1213	RAIL BRIDGE OVER MARIBYRNONG RIVER	6m	North
H1397	SALTWATER RIVER CROSSING & FOOTSCRAY WHARVES	76m	South West
H0183	HENDERSON HOUSE	303m	South West
H2220	FLEMINGTON RACECOURSE	507m	North
H1430	FORMER NEWMARKET SALEYARDS & ABATTOIRS	518m	North East
H1220	FOOTSCRAY PARK	577m	North West
H1563	FOOTSCRAY RAILWAY STATION COMPLEX	640m	West
H0494	ERCILDOUNE	826m	West
H1343	KARIWARA DISTRICT SCOUT HEADQUARTERS	838m	West
H1218	MARIBYRNONG TOWN HALL	914m	West

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

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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	Distance	Direction
1056876	0m	Onsite
1045427	650m	South

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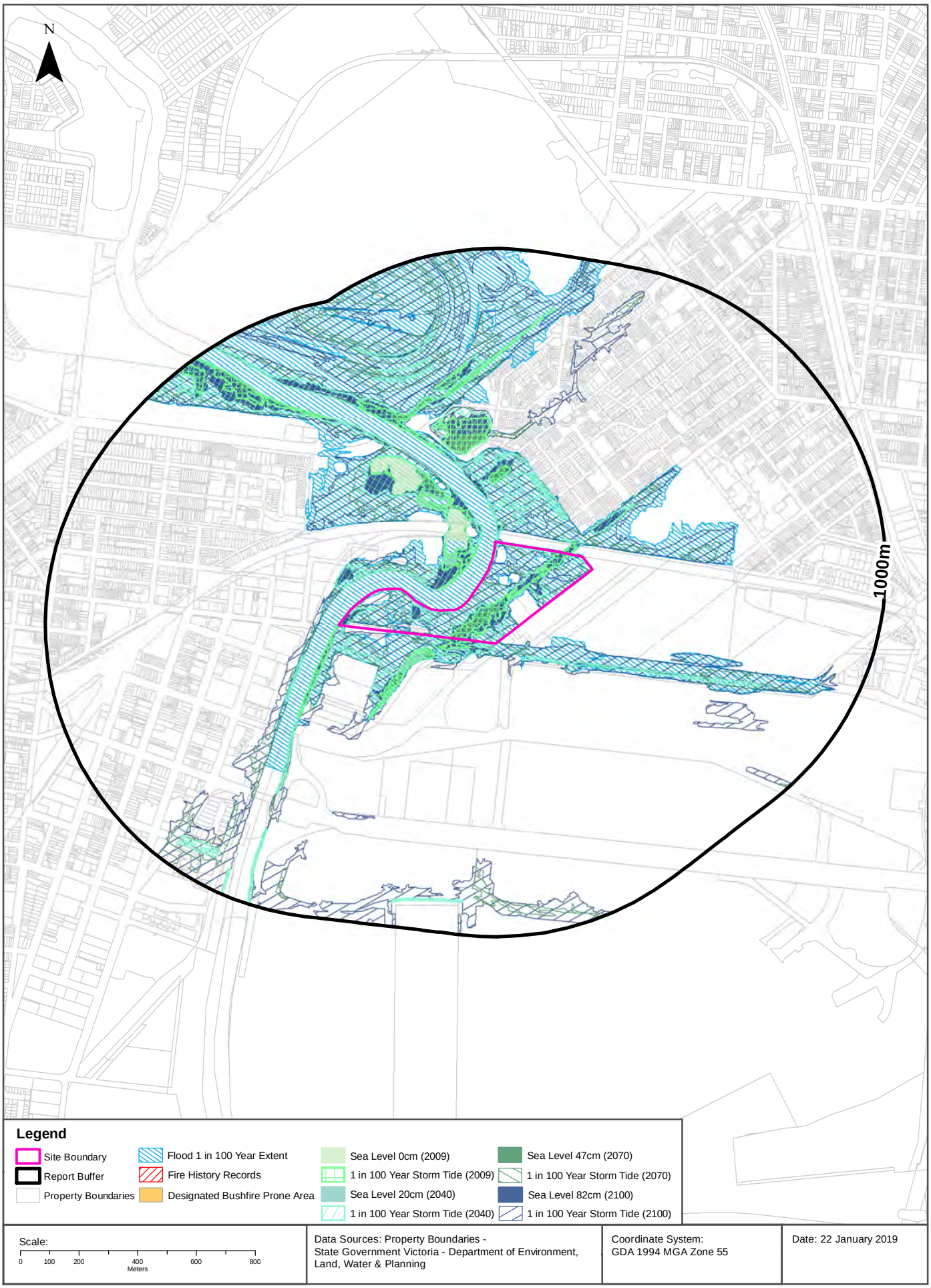
Natural Hazards

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Natural Hazards

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
100 Year Flood Outline	Melbourne Water	Modelled		03/10/2013	0m	Onsite

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

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Victorian Coastal Inundation Sea Level Rise

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

Description	Distance	Direction
Inundation to 1-in-100 year storm tide level with storm surge increased by 19% plus 82 cm sea level rise (2100)	0m	Onsite
Inundation to 1-in-100 year storm tide level with storm surge increased by 13% plus 47 cm sea level rise (2070)	0m	Onsite
Inundation to 1-in-100 year storm tide level with storm surge increased by 6% plus 20 cm sea level rise (2040)	0m	Onsite
Projected 82cm sea level rise by 2100	0m	Onsite
Current (2009) inundation to 1-in-100 year storm tide level	0m	Onsite
Inundation to 1-in-100 year storm tide level with storm surge increased by 6% plus 20 cm sea level rise (2040)	0m	Onsite
Projected 47cm sea level rise by 2070	0m	Onsite
Current (2009) inundation to 1-in-100 year storm tide level	0m	Onsite
Projected 82cm sea level rise by 2100	0m	Onsite
Inundation to 1-in-100 year storm tide level with storm surge increased by 6% plus 20 cm sea level rise (2040)	0m	Onsite
Inundation to 1-in-100 year storm tide level with storm surge increased by 6% plus 20 cm sea level rise (2040)	0m	North West
Projected 82cm sea level rise by 2100	0m	North
Projected 82cm sea level rise by 2100	0m	South West
Projected 20cm sea level rise by 2040	44m	South West
Current (2009) sea level	96m	North

Victorian Coastal Inundation Sea Level Rise Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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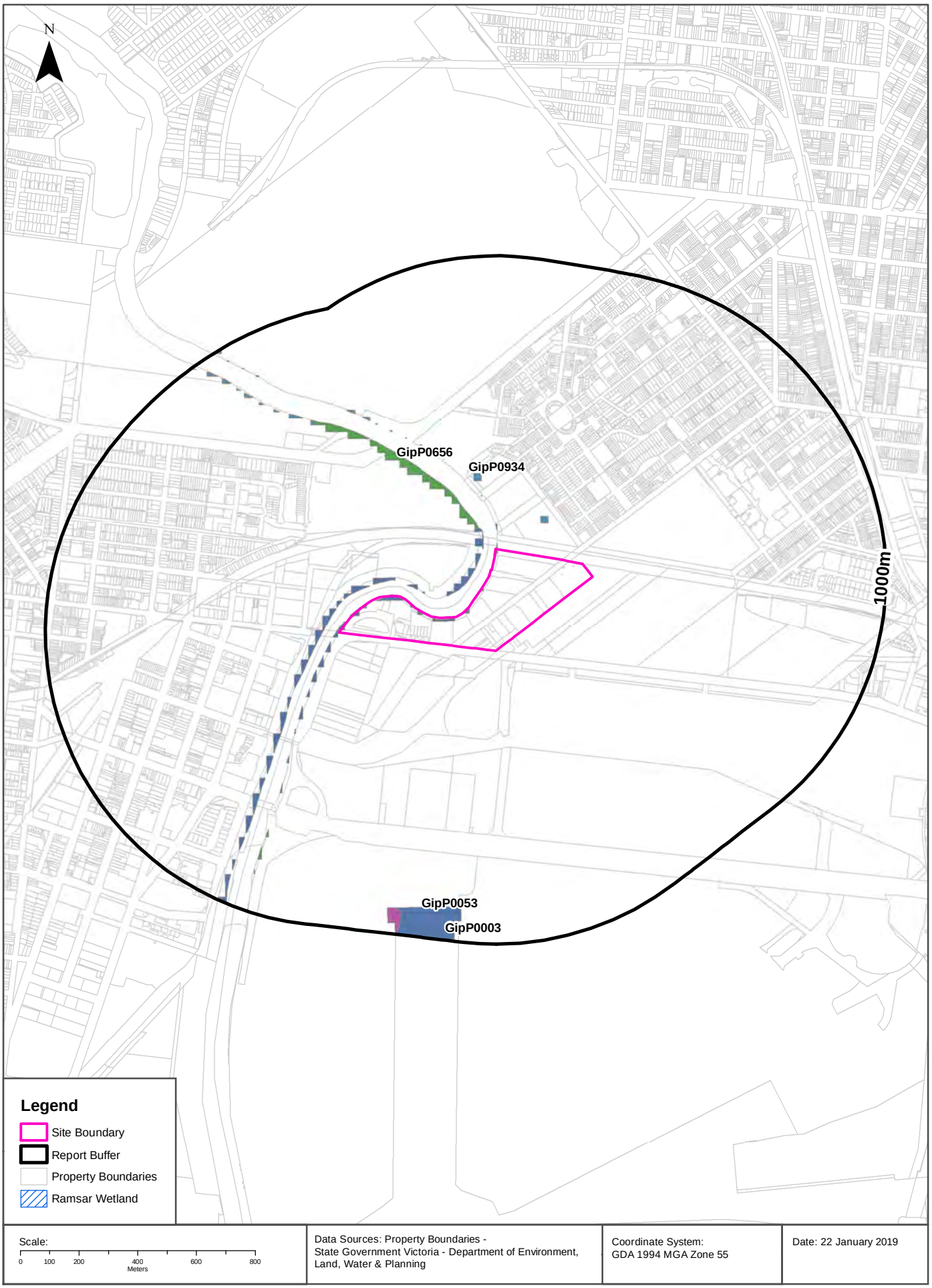
Ecological Constraints - Native Vegetation 2005 & Ramsar Wetlands

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Ecological Constraints

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

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
GipP0053	Swamp Scrub	0053	Riparian Scrubs or Swampy Scrubs and Woodlands		Gippsland Plain	Endangered	Common	0m
GipP0934	Brackish Grassland	0934	Wetlands	Brackish/estuarine	Gippsland Plain	Endangered	Rare	0m
GipP0656	Brackish Wetland	0656	Wetlands	Brackish/estuarine	Gippsland Plain	Endangered	Rare	91m
GipP0003	Damp Sands Herb-rich Woodland	0003	Herb-rich Woodlands	Damp Sands	Gippsland Plain	Vulnerable	Common	909m

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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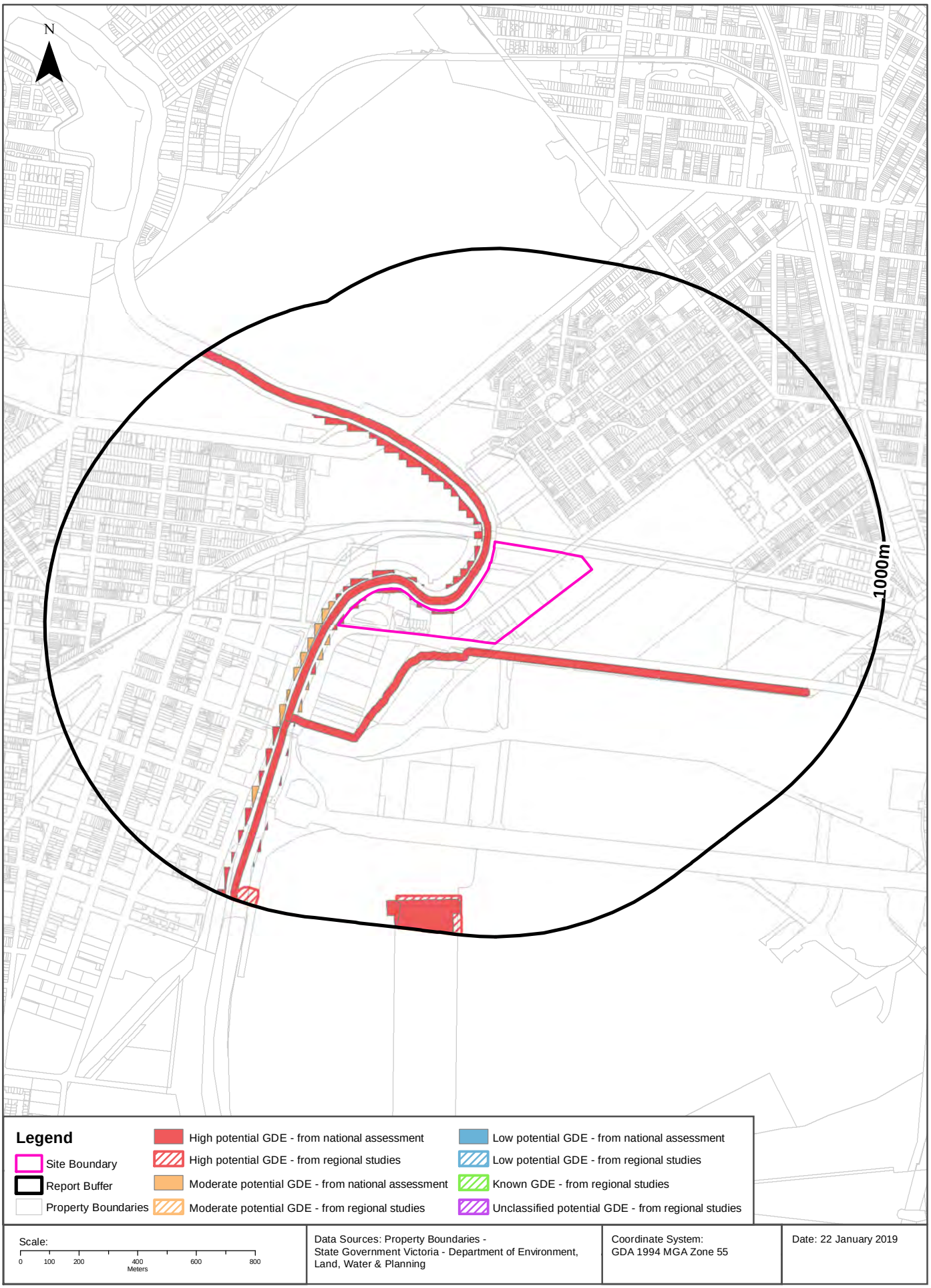
Groundwater Dependent Ecosystems Atlas

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Ecological Constraints

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Groundwater Dependent Ecosystems Atlas

What GDEs exist within the dataset buffer?

GDE Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
Terrestrial		High potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	0m
Aquatic	MARIBYRNONG RIVER	High potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	River	Unconsolidated sedimentary	11m
Terrestrial		Moderate potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	43m
Aquatic		High potential GDE - from regional studies	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		868m

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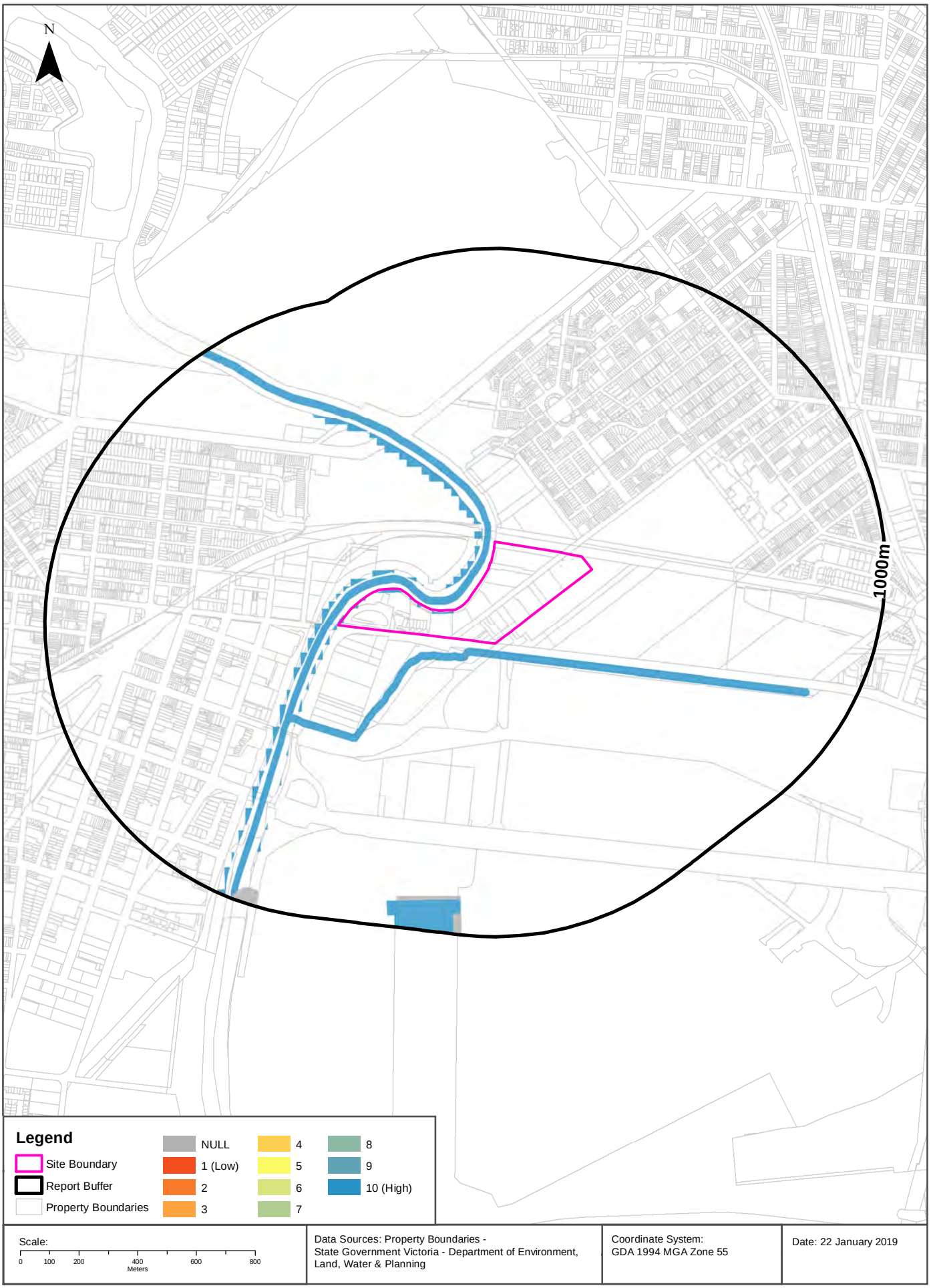
Inflow Dependent Ecosystems Likelihood

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003



Ecological Constraints

Maribyrnong Waterfront Renewal Area, West Melbourne, VIC 3003

Inflow Dependent Ecosystems Likelihood

What IDEs exist within the dataset buffer?

GDE Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
Terrestrial		10	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Unconsolidated sedimentary	0m
Aquatic	MARIBYRNONG RIVER	10	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	River	Unconsolidated sedimentary	11m
Aquatic		0	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		868m

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Appendix B

Current & Historical Businesses Summary & Risk Ranking

Parcel Detail		Business Activity								Comments on Current Land Use and Site Visit	Potential for contamination based on Historical land use[2]	Potential for contamination based on Current land use[2]	Overall Risk Ranking[2]
Parcel Reference Number for Map	Address	1991	1984	1980	1977	1974	1965	1960-62	1950				
1	156-174 (approx) Kensington Road	-	(166) Wool Scourers & Drying Machinery	-	-	(166) Wool Scourers	(166) Wool Scourers	-	Wool Scourers	Business name: Scalzo Current use: Commercial/Industrial (food industries) Comments: Fill evident. Stacks viewed from rear. Aboveground gas services in fenced area and water services evident.	High	Medium[3]	High
2	176-178 Kensington Road	Advertising contractors-outdoor, Packaging materials Mfrs &/or Dist, Plastic Bag Mfrs &/or Dist: "Cue, B.R. Plastics"	Motor painters &/or Panel Beaters	Motor Spring Mfrs &/or Repairers	Fibrous Plaster Mfrs &/or Contractors	Boot &/or Shoe supplies, Travel goods Mfrs, Fibre board Mfrs & processors, Fibrous Plaster Mfrs &/or contractors, Paperboard Mfrs,	Boot & Shoe Mfrs Supplies, Travel goods Mfrs (176-214): Fibre Board Mfrs & Processors, Paper board Mfrs,	Fibre Board Mfrs & Processors, (176-214): Fibre Board Mfrs & Processors, Paper board Mfrs	-	Business name: Garbage Bags, Gaylon Agencies - Extruded Net Manufacturers Current use: Commercial/industrial Comments: Previous environmental work, groundwater well in driveway. Slight mechanic odour. Warehouses on lot. Fill evident.	High	Medium[3]	High
3	180 Kensington Road	Electric Motor Winding &/or Rewinding Specialists, Electrical appliance repair, Electronic equipment repair, electrical & marine engineers (Rear 180): Ship builders &/or repairers	-	-	-	-	(176-214): Fibre Board Mfrs & Processors, Paper board Mfrs	-	-	Business name: Kensington Road Self Storage Current use: Commercial/industrial (self storage) Comments: Previous environmental work, groundwater well in driveway. Warehouse on lot.	High	Low	High
4	200 Kensington Road	Brick Mfrs &/or Distributors "Paddy's Bricks", Sand &/or soil supplies	Scrap metal merchants, steel merchants & manufacturers	-	-	Waste product merchants	(176-214): Fibre Board Mfrs & Processors, Paper board Mfrs (200): Waste product merchants	Waste product merchants	-	Business name: Metcalf Cranes Current use: Commercial/industrial (vehicle depot) Comments: Fill evident. Cark park on lot. Above ground refuelling station.	High	Medium	High
5	216 Kensington Road	Motor wreckers	Motor wreckers, Air conditioning-automotive, motor accessories retail	-	-	-	-	-	-	Business name: City West Water - West Melbourne Depot Current use: Commercial/industrial (council depot) Comments: Well organised maintenance fill stockpile area. Fill evident. Car park and building on lot.	High	High	High
6	133-165 Kensington Road	Spring Mfrs &/or Dist "Gerrard Springs"	Camping &/or Caravan Equipment "Gerrard Springs", Containers Industrial Mfrs &/or Dist, Furniture Mfrs Metal, Metal Products Mfrs &/or Suppliers, Spring Mfrs &/or Dist, Transformers Mfr	-	-	Metal Pressers &/or Stampers	-	-	-	Business name: Melbourne Seafood Centre, AquaStar Current use: Commercial/industrial (seafood) Comments: Fill evident. Warehouse and car park. Various services observed.	High	Medium[3]	High
7	133-165 Kensington Road	Spring Mfrs &/or Dist "Gerrard Springs"	Camping &/or Caravan Equipment "Gerrard Springs", Containers Industrial Mfrs &/or Dist, Furniture Mfrs Metal, Metal Products Mfrs &/or Suppliers	-	-	-	-	-	-	Business name: AquaStar Current use: Commercial/industrial (seafood) Comments: Fill evident. Warehouse and car park.	High	Medium[3]	High
8	133-165 Kensington Road	Spring Mfrs &/or Dist "Gerrard Springs"	Camping &/or Caravan Equipment "Gerrard Springs", Containers Industrial Mfrs &/or Dist, Furniture Mfrs Metal, Metal Products Mfrs &/or Suppliers	-	-	-	-	-	-	Business name: CMI (potential former business name from sign) Current use: Vacant (unknown) Comments: Derelict warehouse at rear of lot. Warehouse at front of lot. Waste at rear of lot; overgrown.	High	Medium	High
9	167 Kensington Road	-	Butchers	-	-	Soap, candle &/or glycerine Mfrs	Soap, candle, tallow & glycerine Mfrs	(167-169): Soap, candle, tallow & glycerine Mfrs	-	Business name: Leffler - Leather Merchants, Wow Structures Current use: Commercial/industrial Comments: Waste skips at rear of lot. Hazchem sign at Leffler. Potential wash bay at rear of lot. Warehouses on lot.	High[4]	High	High
10	171-193 Kensington Road	Signs-Neon &/or illuminated	-	Stainless Steel Merchants, Steel Merchants & Mfrs, Tungsten Carbide Mfrs &/or Dist: "Commonwealth Steel"	Stainless Steel Merchants, Iron &/or Steel Merchants & Mfrs, Tungsten Carbide Mfrs &/or Dist: "Commonwealth Steel"	Stainless Steel Merchants, Iron &/or Steel Merchants & Mfrs: "Commonwealth Steel"	Iron & Steel Merchants, Steel merchants & Mfrs:"Commonwealth Steel"	-	-	Business name: Dominion Group - Plant and Machinery Valuers and Auctioneers Current use: Commercial/industrial (plant and machinery valuers and auctioneers) Comments: Various vehicles parked on lot next to building and maintenance area. Diesel generator observed on lot. Fill evident. Potential waste oil from maintenance area.	High	Medium	High
11	197-199 Kensington Road	Motor accessories Mfrs &/or Imps &/or W/salers, Motor body builders	-	-	-	Paving contractors	Paving contractors	-	-	Business name: Campervan Village Current use: Commercial/industrial (campervan rental) Comments: Bollard and potential former wash bay at front of lot. Vehicles stored on lot. Mechanic workshop and building on lot. Debris and damaged vehicles stored at rear of lot.	High	High	High
12	201-205 Kensington Road	Smallgoods Mfrs &/or W/salers	Smallgoods Mfrs &/or W/salers	-	-	Electrical Engineers, Electrical Switchboard Mfrs &/or Dist, Terrazzo workers (201)	Terrazzo workers	-	-	Business name: Dumpling Station, Wheelmax, Bio Care Current use: Commercial/industrial (Various) Comments: Buildings on lot. Tyres piled at rear of Wheelmax. Vent pipe protruding from roof.	High	Medium	High
13	209-213 Kensington Road	Carriers &/or Cartage Contractors	Carriers &/or Cartage Contractors	-	-	Carriers &/or Cartage Contractors	Rabbit merchants	-	-	Business name: Tasmanian Pacific Oyster Co Current use: Commercial/industrial (seafood) Comments: Seafood odour. Warehouse on lot. Potential wastewater drainage at rear of lot.	Medium	Medium	Medium
14	207 Kensington Road	-	-	-	-	-	-	-	-	Business name: Willo & Co Café Current use: Commercial/industrial (café) Comments: Building at front and car park at rear of lot. Potential grease trap at front of lot.	unknown	Low	Medium[5]
15	400(?) Dynon Road	-	-	-	-	-	-	-	-	Business name: Mapei - Selected Stockist, SAS, PTMO Current use: Commercial/industrial (Various), (Mapei adhesives, sealants, chemical products for building) Comments: Two warehouse on lot. One with sawtooth roof and the other is more modern. Material storage observed in both warehouses.	unknown	High	High
16	388 Dynon Road	-	-	-	-	-	-	-	-	Business name: SCEV - Specialist Cleaning Eco Vehicles Current use: Vacant, former commercial/industrial (Various) Comments: Vacant showroom, for lease. Former service bay and wash bay observed.	unknown	Medium[3]	Medium[3]
17	240 Kensington Road	-	-	-	-	-	-	-	-	Business name: Paddy's Bricks Current use: Commercial/industrial (brick yard) Comments: Piles of bricks are rock on lot. Fill evident.	unknown	High	High
18	420 Dynon Road	-	-	-	-	-	-	-	-	Business name: DBC - Building Supplies Current use: Commercial/industrial (Various) Comments: Large warehouse on lot. Driveway to rear. Various services observed.	unknown	High	High
19	6-18 Sims Street	-	-	-	-	-	-	-	-	Business name: Holcim Current use: Commercial/industrial (building materials) Comments: Truck staging area, car park and potential wash bay.	unknown	High	High
20	6-18 Sims Street	-	-	-	-	-	-	-	-	Business name: Holcim Current use: Commercial/industrial (building materials) Comments: Operational building material plant. Two conveyor belts and silos. Refuelling and staging areas.	unknown	High	High
21	6-18 Sims Street	-	-	-	-	-	-	-	-	As 20.	unknown	High	High
22	458 Dynon Road	-	-	-	-	-	-	-	-	Business name: Lefkas Seafood Current use: Commercial/industrial (seafood) Comments: Seafood processing. Potential double interceptor trap and wastewater pit. Wastewater flowing onto Sims Street. Rear car park, with warehouse at the front of the lot.	unknown	High[3]	High[3]
23	450 Dynon Road	-	-	-	-	-	-	-	-	Business name: ALS - Industrial Division Current use: Commercial/industrial (laboratory) Comments: Front car park. Hazchem sign. Large warehouse.	unknown	Medium	Medium
24[1]	440 Dynon Road	-	-	-	-	-	-	-	-	Business name: Various, commercial. Noted: Chasers Motorworks, B & M Meat Wholesale, Fish Pier Current use: Commercial/industrial (Various - mechanics, food industries) Comments: Bulk chemical storage in Chasers Motorworks. Water main issue causing water to flow onto Dynon Road. Fill evident.	unknown	Medium	Medium

Notes:
[1]This reference number includes a small group of parcels
[2]Risk ranking is based on Department of Sustainability and Environment's Potentially Contaminated Land General Practice Note (June 2005)
[3]Business activity not specifically listed in General Practice note, however ranking is based on observations during site visit
[4]Business activity not specifically listed in General Practice Note, however ranking is based on soap & candle manufacturing
[5]Available information on previous land uses is limited, Ranking is based on proximity to adjacent "medium" parcels.
'-' = no information available

Appendix C

Photographs

Appendix C- Photographs –Site Inspection

Plate 1 – Parcel reference number: 1 – Stacks from rear

Plate 2 – Parcel reference number: 2 – Lot from Kensington Road

Plate 3 – Parcel reference number: 3 – Self storage building

Plate 4 – Parcel reference number: 4 – Refuelling station

Appendix C- Photographs –Site Inspection

Plate 5 – Parcel reference number: 5 – Maintenance fill stockpiles

Plate 6 – Parcel reference number: 5 – Water outlet at rear to Maribyrnong River

Plate 7 – Parcel reference number: 6 – AquaStar building

Plate 8 – Parcel reference number: 7 – Rear of AquaStar

Appendix C- Photographs –Site Inspection

Plate 9 – Parcel reference number: 8 – Waste at rear

Plate 10 – Parcel reference number: 8 – Middle of lot

Plate 11 – Parcel reference number: 9 – Hazchem sign

Plate 12 – Parcel reference number: 10 – Generator

Appendix C- Photographs –Site Inspection

Plate 13 – Parcel reference number: 11 – Bollard and former wash bay

Plate 14 – Parcel reference number: 11 – Damaged vehicles at rear

Plate 15 – Parcel reference number: 12 – Tyre pile and vent from roof

Plate 16 – Parcel reference number: 13 – Rear of building

Appendix C- Photographs –Site Inspection

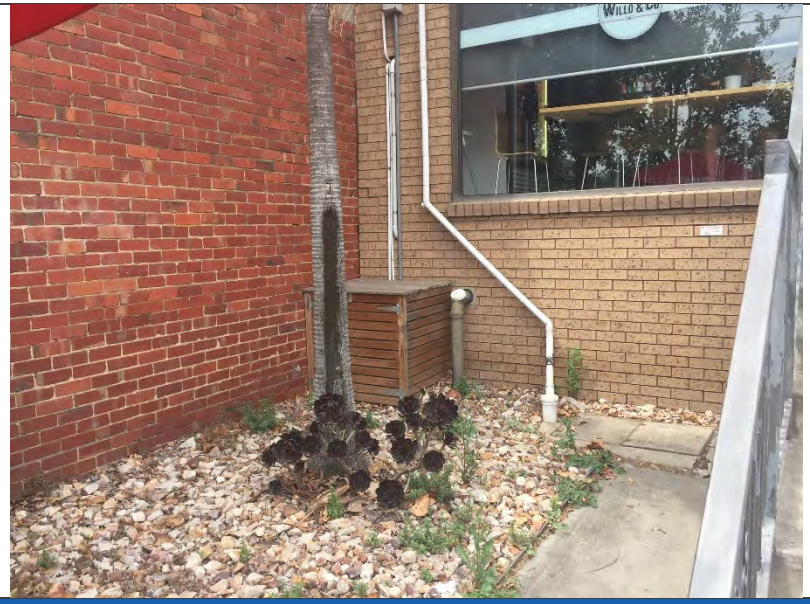


Plate 17 – Parcel reference number: 14 – Potential grease trap

Plate 18 – Parcel reference number: 15 – Sawtooth roof warehouse

Plate 19 – Parcel reference number: 16 – Wash bay

Plate 20 – Parcel reference number: 17 – Brick storage at rear

Plate 21 – Parcel reference number: 18 – Various services

Plate 22 – Parcel reference number: 19, 20,21 – Holcim from Sims Street

Plate 23 – Parcel reference number: 22 – Warehouse

Plate 24 – Parcel reference number: 23 – Hazchem sign

Appendix C- Photographs –Site Inspection

Plate 25 – Parcel reference number: 24 – Bulk chemical storage at mechanic

Plate 26 – Parcel reference number: 24 – Watermain flowing onto Dynon Road

Plate 27 – Parcel reference number: 17-5 boundary – Water service

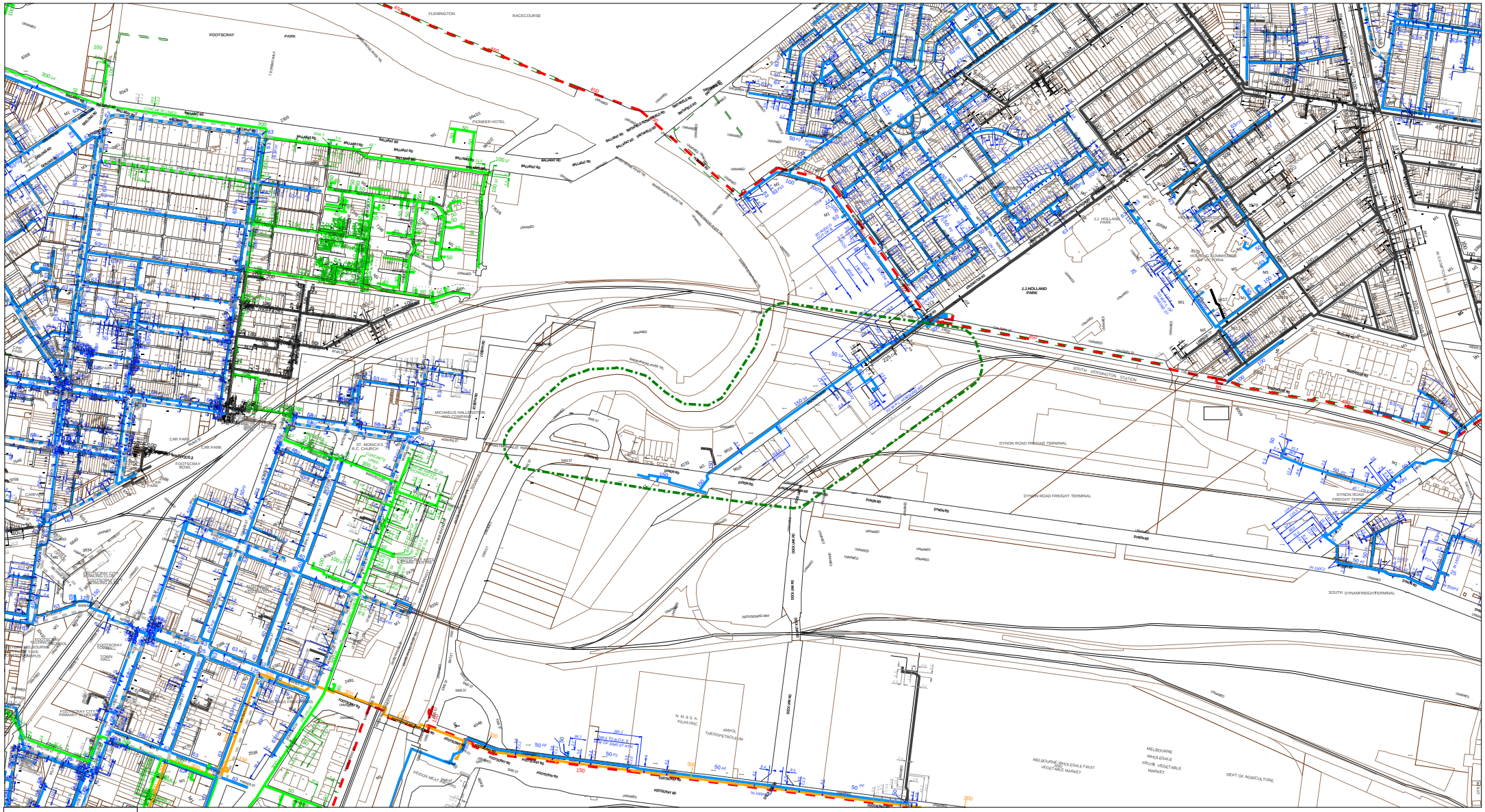
Plate 28 – Parcel reference number: N/A – Maribyrnong River path

Appendix D

Underground Service Plans

AusNet services

0m 500m 1000m 1500m 2000m

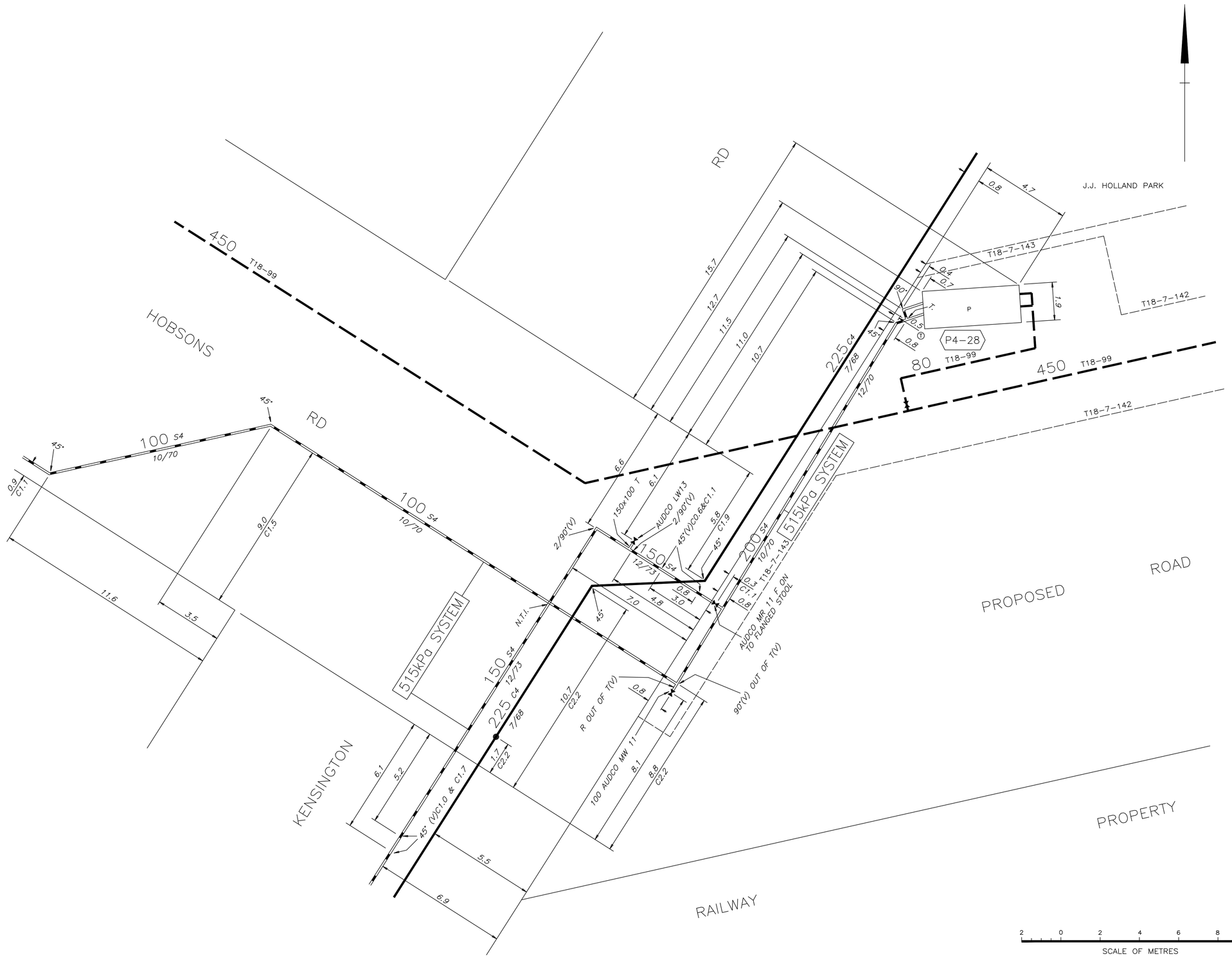


N
W E
S

NOTE: AusNet Services has taken care to ensure that the locations of Gas Mains shown on this plan are accurate however some variations from records do exist and complete accuracy is not guaranteed. It is essential that the position of pipes be proved on site by hand excavation. AusNet Services shall not be liable for any loss damage claim or demand incurred either directly or indirectly resulting from any act or omission which was made in reliance in whole or in part upon this plan.

Warning - Take Precautions if Printing this Plot in Black & White.
All planned mains shall be treated as live mains, as mains under pressure may be in existence.

- Gas Transmission Pipeline
- Gas Distribution Mains
- Planned Gas Assets
- Requested Area



AS SHOWN

MAP 47 H4

G. POOLE 19JAN98

F. WILLIAMS 20JAN98

YARRA 2500/05-12

MUNICIPALITY OF MELBOURNE

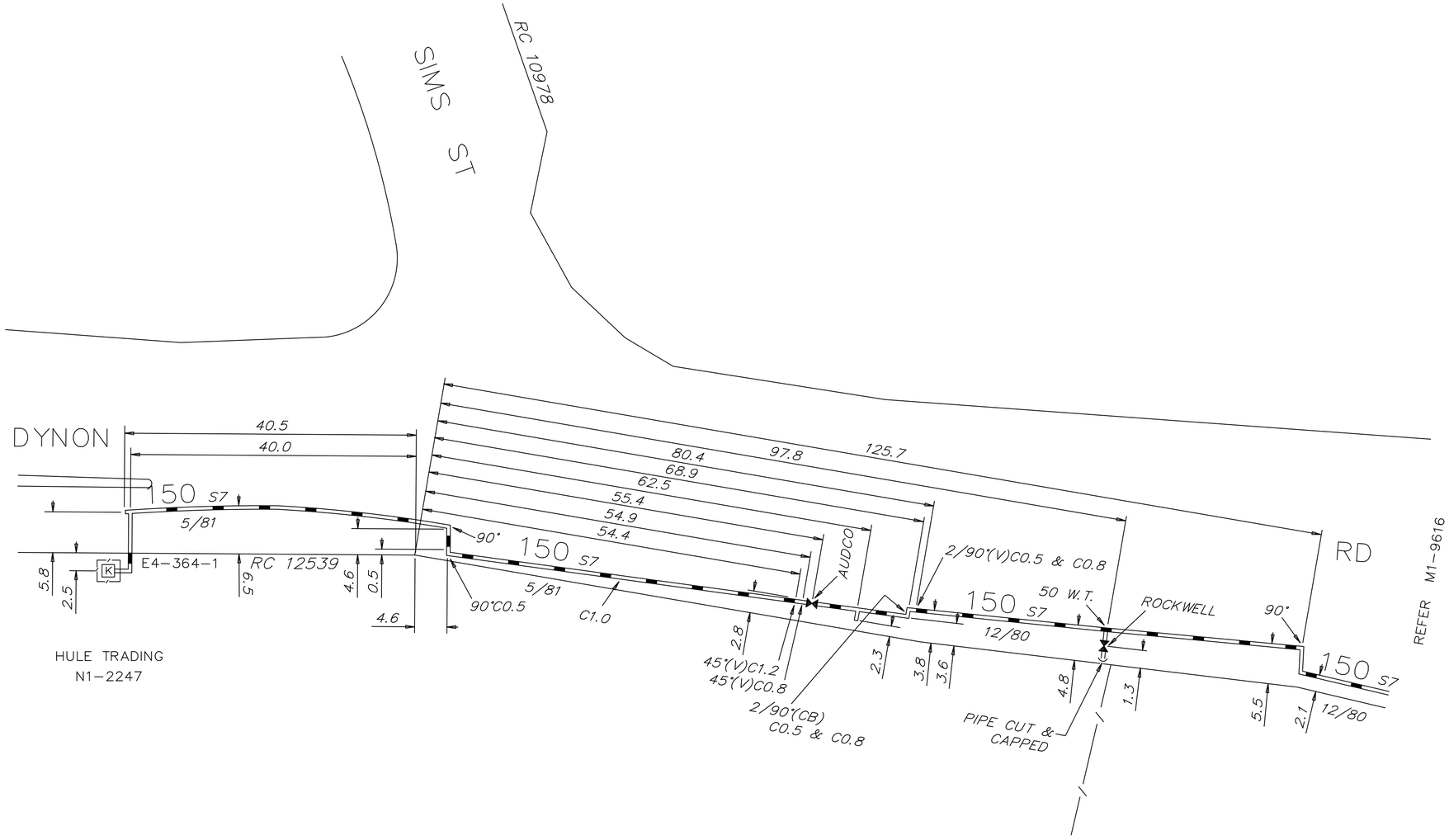
M		19JAN98	PLAN REDRAWN	G.P.	F.W.

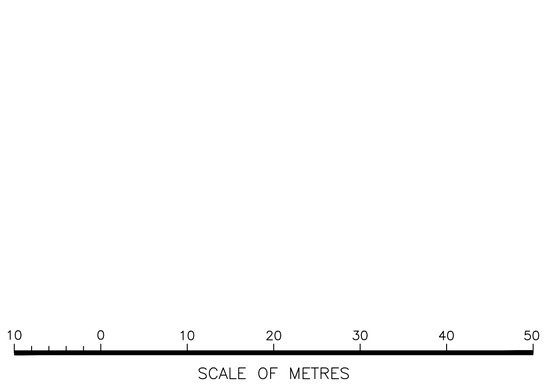
Xref .\M1A1TB1.

1802 M

SP AusNet HAS TAKEN CARE TO ENSURE THAT THE LOCATIONS OF GAS MAINS SHOWN ON THIS PLAN ARE ACCURATE.
HOWEVER, SOME VARIATIONS FROM RECORDS DO EXIST AND COMPLETE ACCURACY CANNOT BE GUARANTEED.
IN ALL INSTANCES IT IS ESSENTIAL THAT THE POSITION OF THE PIPES CONCERNED BE PROVED ON SITE BY HAND EXCAVATION.

NOTICE:-





TYPE OF PIPE

C2	CAST IRON	C3	CAST IRON MECHANICAL JOINT
C4	CAST IRON SOUTHERN	C5	CAST IRON A.I.S.
C6	CAST IRON METTERS CLOW	C7	CAST IRON STAVELEY
C8	CAST IRON STANTON	C9	CAST IRON STANTON-STAVELEY
C10	CAST IRON LEAD JOINT		
D2	DUCTILE IRON-UNCOATED		
D3	DUCTILE IRON-PLASTIC COATED		
F2	FIBRO CEMENT		
P2	PLASTIC POLYETHYLENE (P.E.)		
P3	PLASTIC POLY VINYL CHLORIDE (P.V.C.)		
P4	PLASTIC PIPE OTHER - L.P.ONLY		
P5	PLASTIC IMPACT MODIFIED (TYPE 3)		
P6	PLASTIC POLYETHYLENE (P.E.) CL 500 MEDIUM DENSITY (H.P.), (YELLOW)		
P7	PLASTIC POLYETHYLENE (P.E.) CL 250 MEDIUM DENSITY (L.P./M.P.), (YELLOW)		
P8	PLASTIC POLYETHYLENE (P.E.) PE80B METRIC, (BLACK WITH YELLOW STRIPES)		
P9	PLASTIC POLYETHYLENE (P.E.) PE100 METRIC, (BLACK WITH ORANGE STRIPES)		
P10	PLASTIC POLYETHYLENE (P.E.) PE100 METRIC, (BLACK WITH YELLOW STRIPES)		
S2	STEEL		
S3	STEEL COATED & SCREWED		
S4	STEEL COATED & WELDED		
S5	STEEL GALVANIZED		
S6	STEEL COATED GIBAULT JOINT		
S7	STEEL PLASTIC COATED & WELDED		
S8	STEEL PLASTIC COATED & SCREWED		
S9	STEEL INTERPON FBE COATED		
S10	STEEL NAPGARD FBE COATED		
S11	STEEL (3LPE) TRI LAMINATE COATED		
S20	STEEL WELDED-EXTRUDED POLETHYLENE COATED (T.P.)		
S21	STEEL WELDED-ENAMEL COATED (T.P.)		
S22	STEEL WELDED-FUSION BOND EPOXY COATED (T.P.)		
S23	STEEL WELDED-FUSION BONDED POLYETHYLENE COATED (T.P.)		
S24	STEEL WELDED-MULTI-LAYERED EXTRUDED POLYETHYLENE COATED (T.P.)		
W2	WROUGHT IRON GALVANIZED		

FITTINGS AND NOTATIONS

90°	BEND
B.P.	
(C.B.)	
F. & F.	
F. & S.	
L.T.	
MA	
D.E.	
L.S.	
T.S.	MUELLER SERVICE TEE
T.V.	MUELLER TEE VALVE
P.L.	PROPERTY LINE
P3T	PVC TEE
R	REDUCER
SD., ST.	SADDLE, STOOL (C.I. MAINS ONLY)
T., T.B., T.SP.	TEE, TEE BOSSED, TEE SPLIT
TH.	THIMBLE
TH.B., TH.R	THIMBLE BOSSED, THIMBLE REDUCER
TH.SP.	THIMBLE SPLIT
TH.SP.B.	THIMBLE SPLIT BOSSED
TH.SP.F.	THIMBLE SPLIT FLANGED
(V)	VERTICAL
W.S.	WILLIAMSON SHORT STOPP
W.T.	WILLIAMSON TEE
K OR P OR S	REGULATOR KIOSK / PIT / SERVICE
SCADA D5-107	SYSTEM CONTROL & DATA ACQUISITION NUMBER
<P1-101>	REGULATOR NUMBER
	SYPHON
	PURGE, PRESSURE POINT
	VALVE
	VALVE INSULATED
	FLANGE BLANK
	INSULATED FITTING
A / T	ANODE BED / TEST POINT
C	CATHODIC PROTECTION UNIT
	ENCASING PIPE
	CONCRETE SLABBING
	CROSS
GAS CRITICAL VALVE	GAS CRITICAL VALVE
	PROPOSED TITLE BOUNDARY
	EASEMENT BOUNDARY
	BACK OF KERB (B.O.K.)
	FENCE LINE
2/74	DATE MAIN LAID FEB. 1974
E.O.M., N.T.I.	END OF MAIN, NOT TIED IN
2.1	OFFSET
C1.0	COVER
VR	VIC ROADS
CP 12345 LP 12345 PS 123456 RP 12345 RCA 12345 SP 12345	SURVEY / TITLE DRAWINGS
C.T.	COMMON TRENCHING
D.B.	DIRECTIONAL BORING
C.T.L.12345	CONSENT TO LAY
△	INSTRUMENT STATION

ALPHA NUMERIC REFERENCES RELATE TO DETAILED DRAWINGS WHICH ARE AVAILABLE FROM SP AusNet.

EG. M1 1234 MAINS DETAIL DRAWING
E1 1234 EASEMENT DRAWING
N1 1234 INDUSTRIAL SERVICE

PRESSURE RANGES

LOW (L.P.)	UP TO 3kPa
MEDIUM (M.P.)	15kPa – 70kPa
HP1	140kPa – 515kPa
HP2	515kPa – 1050kPa
TRANSMISSION (T.P.)	1050kPa – 2760kPa

REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.

REVISION

DATE	REV	GRID	DESCRIPTION	BY	CONTR.
200CT17	C		N1-2041 INDUSTRIAL SERVICE DECOMMISSIONED & REMOVED, DATE UNKNOWN	A.R.	DOWNER
070CT93	B		REDRAWN AND 50 P2,8/93 H.P. MAIN ADDED.	J.B.	

DRAWN

ENDORSED REV C
Downer
23-10-2017

ISSUED
23/10/2017

Scale.
Refer Above

Melway or VicRoads
Melled. 1426 5

District Plan Ref.
Yarra 05.12

MAINS DETAIL, FOOTSCRAY MUNICIPALITY OF MELBOURNE

VIC OF DYNAN RD & SIMS ST

SP AusNet
A member of Singapore Power Group

SP AusNet No

M1-4233 C

SP AusNet - Gas M1A2TB5

400 X 566

NOTICE:- SP AusNet HAS TAKEN CARE TO ENSURE THAT THE LOCATIONS OF GAS MAINS SHOWN ON THIS PLAN ARE ACCURATE. HOWEVER, SOME VARIATIONS FROM RECORDS DO EXIST AND COMPLETE ACCURACY CANNOT BE GUARANTEED. IN ALL INSTANCES IT IS ESSENTIAL THAT THE POSITION OF THE PIPES CONCERNED BE PROVED ON SITE BY HAND EXCAVATION.

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CO Drawing (XRef) [A2]

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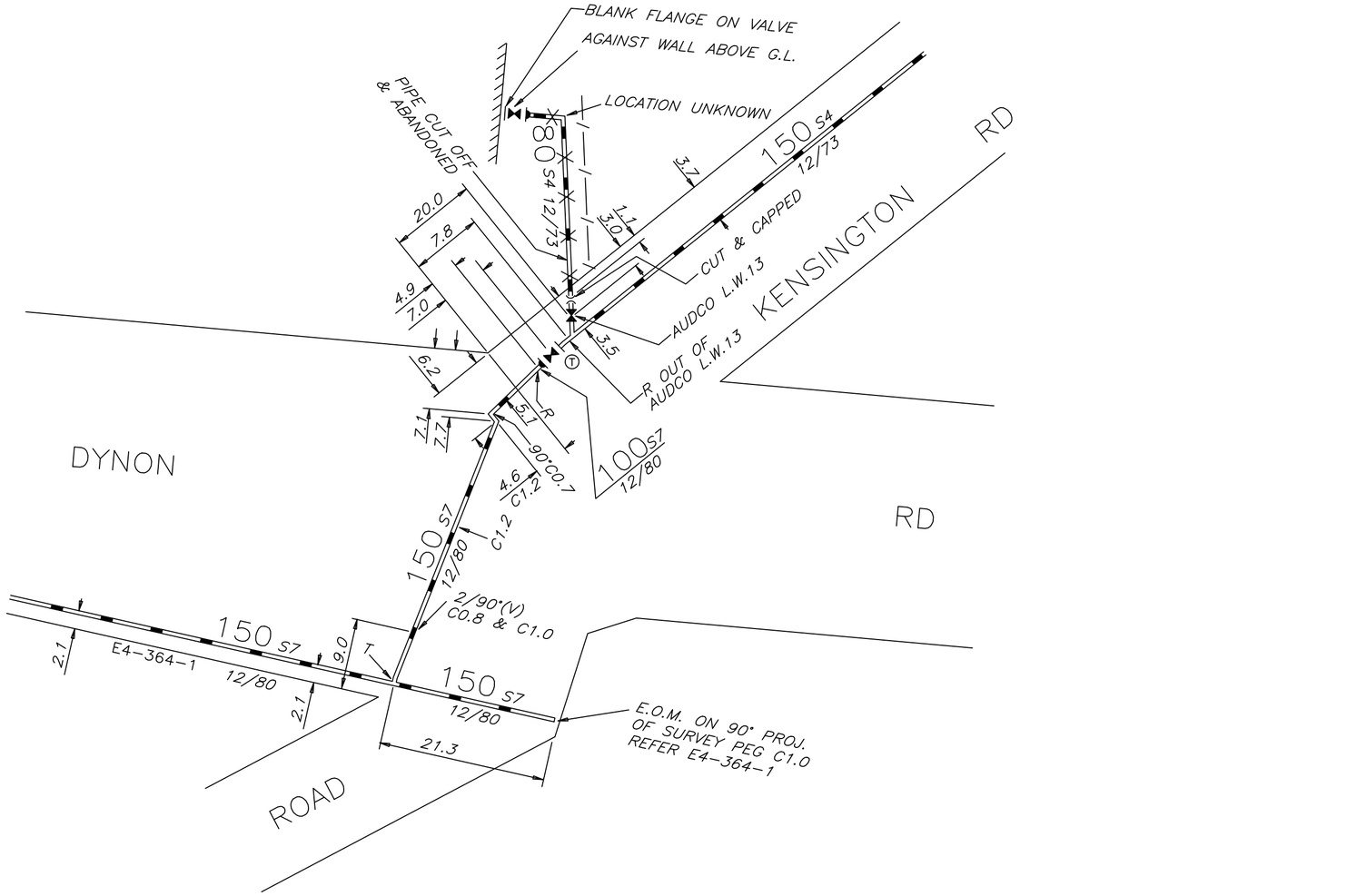
NOTICE:-



FOR PROPERTY LINE DEFINITION
REFER E4-364-1

10 0 10 20 30 40 50
SCALE OF METRES

TYPE OF PIPE

C2	CAST IRON	C3	CAST IRON MECHANICAL JOINT
C4	CAST IRON SOUTHERN	C5	CAST IRON A.I.S.
C6	CAST IRON METTERS CLOW	C7	CAST IRON STAVELEY
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F2	FIBRO CEMENT		
P2	PLASTIC POLYETHYLENE (P.E.)		
P3	PLASTIC POLY VINYL CHLORIDE (P.V.C.)		
P4	PLASTIC PIPE OTHER - L.P.ONLY		
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P6	PLASTIC POLYETHYLENE (P.E.) CL 500 MEDIUM DENSITY (H.P.), (YELLOW)		
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W2	WROUGHT IRON GALVANIZED		

FITTINGS AND NOTATIONS

90°	BEND
B.P.	
(C.B.)	
F. & F.	
F. & S.	
L.T.	
MA	
D.E.	
L.S.	
T.S.	MUELLER SERVICE TEE
T.V.	MUELLER TEE VALVE
P.L.	PROPERTY LINE
P3T	PVC TEE
R	REDUCER
SD., ST.	SADDLE, STOOL (C.I. MAINS ONLY)
T., T.B., T.SP.	TEE, TEE BOSSED, TEE SPLIT
TH.	THIMBLE
TH.B., TH.R	THIMBLE BOSSED, THIMBLE REDUCER
TH.SP.	THIMBLE SPLIT
TH.SP.B.	THIMBLE SPLIT BOSSED
TH.SP.F.	THIMBLE SPLIT FLANGED
(V)	VERTICAL
W.S.	WILLIAMSON SHORT STOPP
W.T.	WILLIAMSON TEE
[K] OR [P] OR [S]	REGULATOR KIOSK / PIT / SERVICE
SCADA D5-107	SYSTEM CONTROL & DATA ACQUISITION NUMBER
<P1-101>	REGULATOR NUMBER
	SYPHON
	PURGE, PRESSURE POINT
	VALVE
	VALVE INSULATED
	FLANGE BLANK
	INSULATED FITTING
(A) / (T)	ANODE BED / TEST POINT
(C)	CATHODIC PROTECTION UNIT
	ENCASING PIPE
	CONCRETE SLABBING
	CROSS
GAS CRITICAL VALVE	GAS CRITICAL VALVE
	PROPOSED TITLE BOUNDARY
	EASEMENT BOUNDARY
	BACK OF KERB (B.O.K.)
	FENCE LINE
2/74	DATE MAIN LAID FEB. 1974
E.O.M., N.T.I.	END OF MAIN, NOT TIED IN
2.1 / C1.0	OFFSET / COVER
VR	VIC ROADS
CP 12345 LP 12345 PS 123456 RP 12345 RCA 12345 SP 12345	SURVEY / TITLE DRAWINGS
C.T.	COMMON TRENCHING
D.B.	DIRECTIONAL BORING
C.T.L.12345	CONSENT TO LAY
△	INSTRUMENT STATION

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	E1 1234	EASEMENT DRAWING
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LOW (L.P.)	UP TO 3kPa
MEDIUM (M.P.)	15kPa - 70kPa
HP1	140kPa - 515kPa
HP2	515kPa - 1050kPa
TRANSMISSION (T.P.)	1050kPa - 2760kPa

REFERENCE DRAWINGS

DRAWING TITLE	DRAWING No.

REVISION

DATE	REV	GRID	DESCRIPTION	BY	CONTR.
7JUL17	B	B4	80S4 PIPE CUT OFF & ABANDONED	A.R.	DOWNER
16MAR17	A	B3	KIOSK N1-675 DECOMMISSIONED & REMOVED, VALVE BANK FLANGED 12/16	A.R.	DOWNER

DRAWN

ENDORSED REV B
Downer
06-11-2017

ISSUED
06/11/2017

Scale.
Refer Above

Melway or VicRoads
Mel(ed.)42G9

District Plan Ref.
Yarra 05.12

MAINS DETAIL, FOOTSCRAY MUNICIPALITY OF MELBOURNE

INT OF DYNON RD & KENSINGTON RD

SP AusNet

SP AusNet No
M1-9616 B

SP AusNet - Gas M1A2TB5

400 X 566

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CO Drawing [A2]

Indicative Plans

Issue Date:	05/02/2019
Location:	Dynon Road , Melbourne , VIC , 3003

1	3	5
2	4	6

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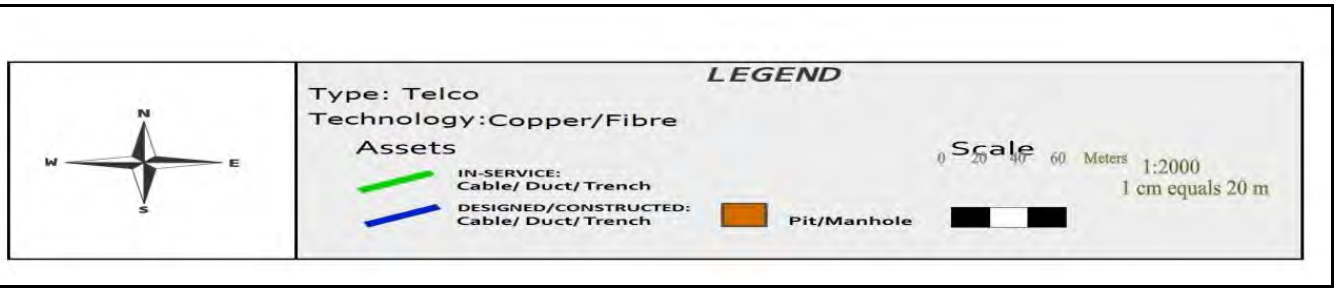

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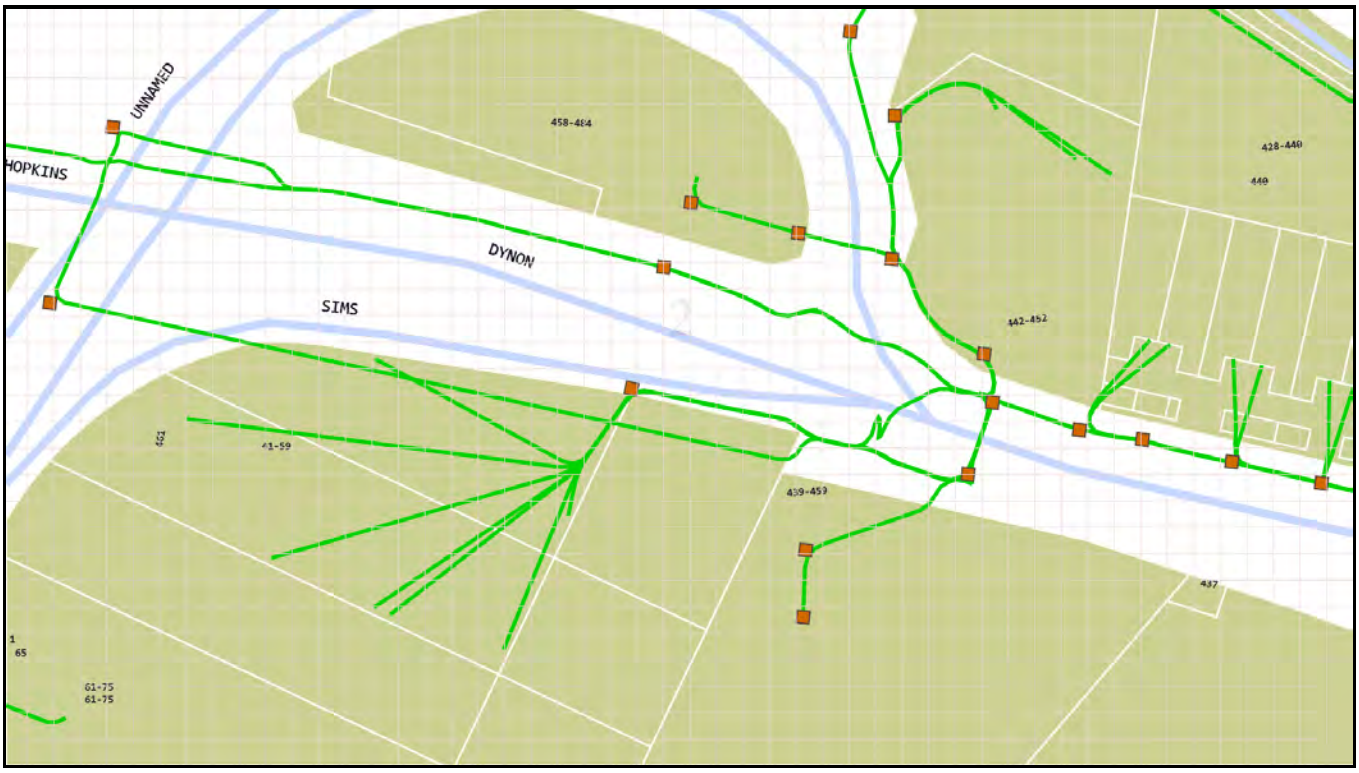

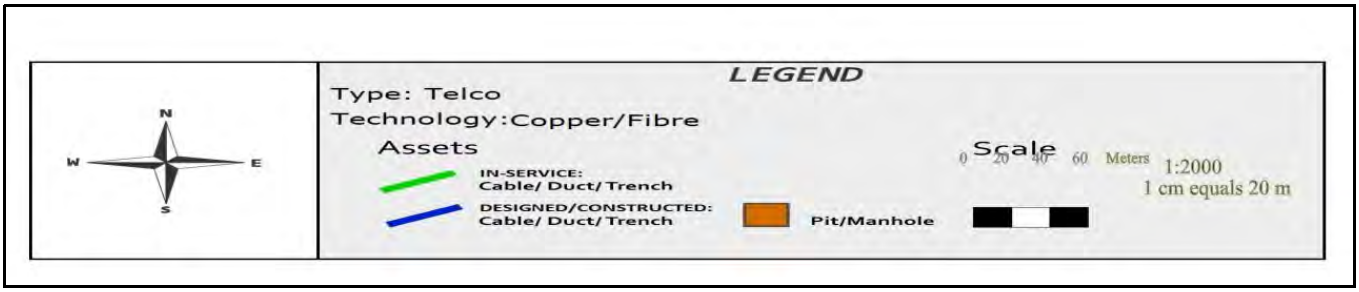

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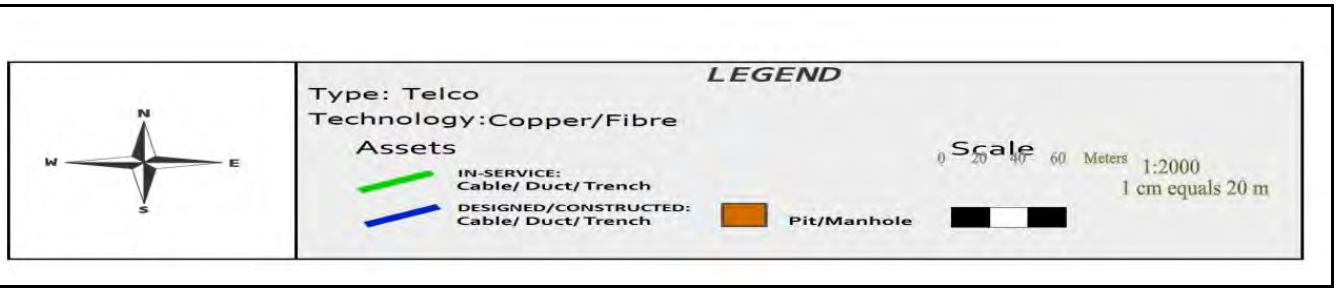

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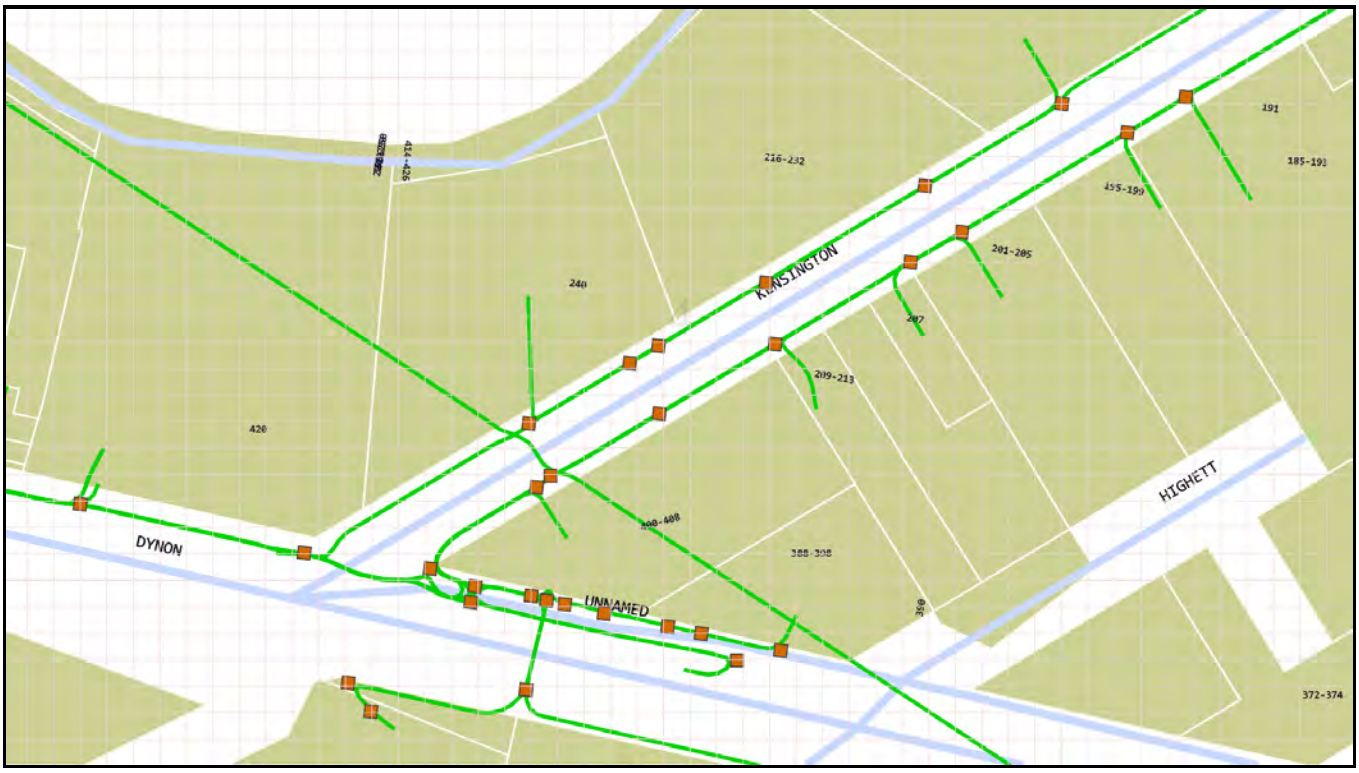

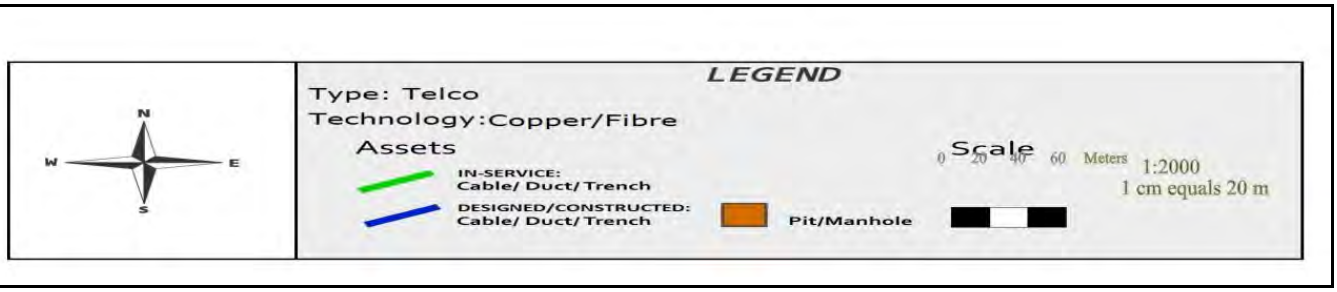

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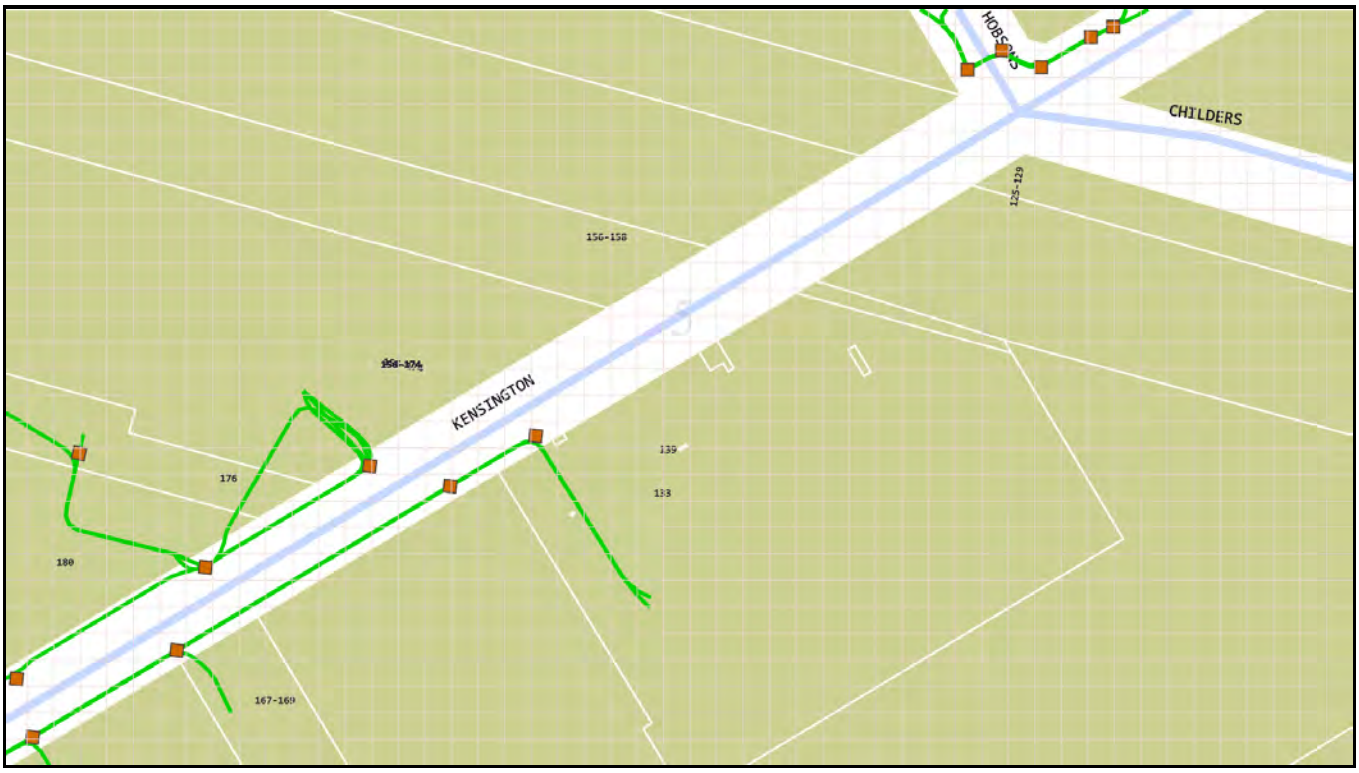
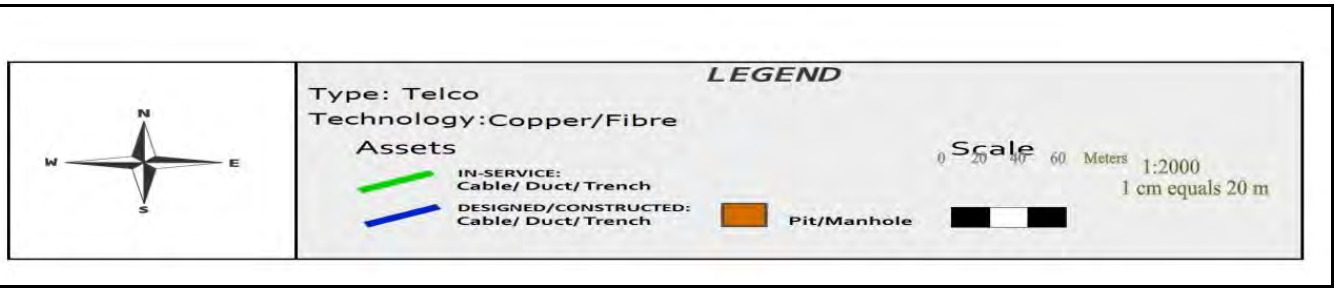
Email info@nbn.com.au Web nbn.com.au





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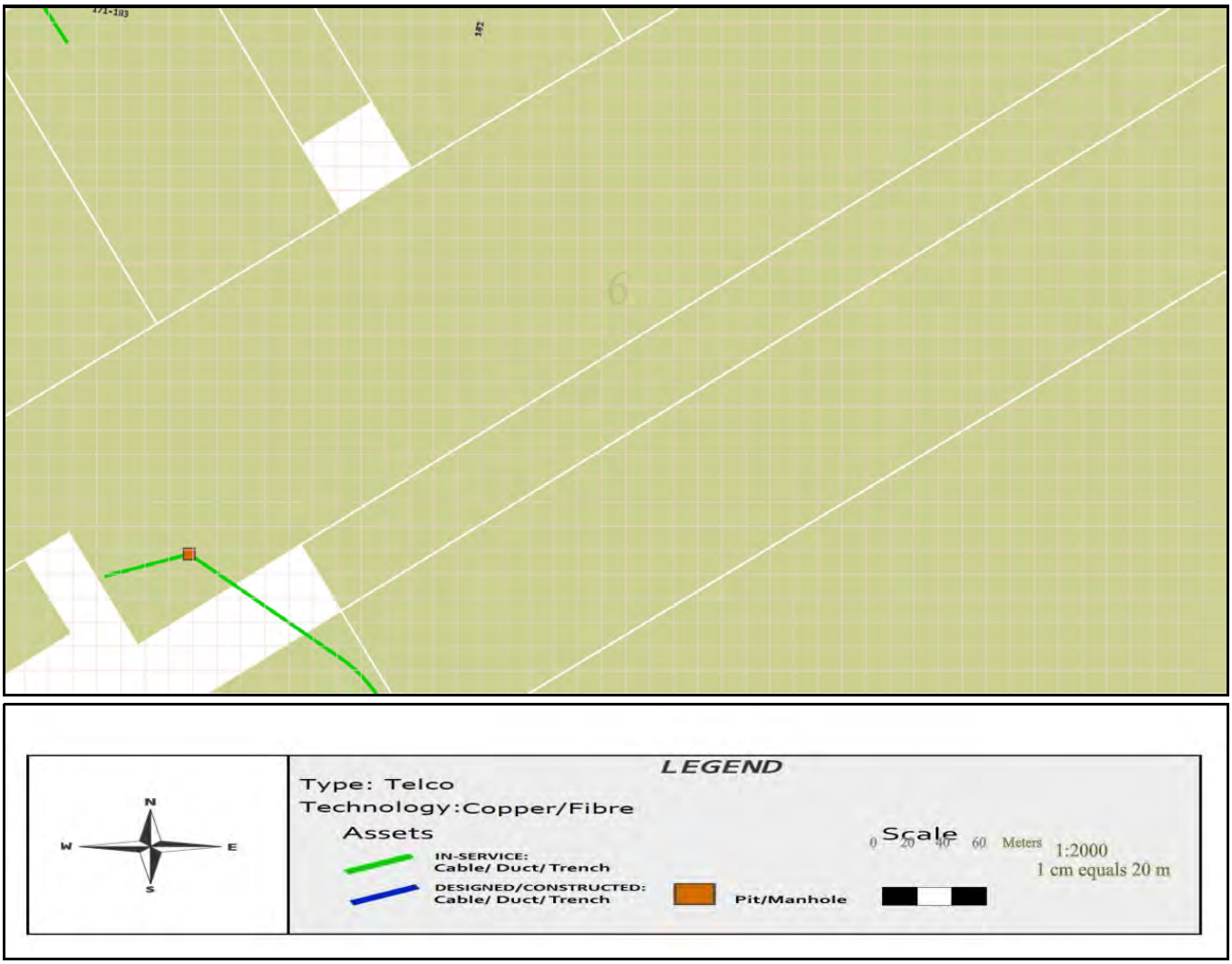

Emergency Contacts

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

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To:
BlueSphere Environmental - Mr Jonathan Goddard
115a Ferrars Street
Southbank VIC 3006
jgoddard@bluesphere-enviro.com.au

VicTrack has been advised that you have placed an enquiry through the Dial Before You Dig service, with the following details. Please be advised on the response.

Sequence Number	79895462
Enquiry Date	05/02/2019 16:37
Response	**AFFECTED WITHIN RAIL RESERVE**
Address	Dynon Road Melbourne
Location in Road	CarriageWay,Footpath,Nature Strip
Activity	Vertical Boring

To obtain information and plans within the Rail Reserve forward your enquiry to External.Property@VICTRACK.com.au. Include a brief description of your intended works.

Please also see VicTrack's Network Protection Plan attachment. This protection plan must be adhered to.

NB:The Cable details contained within this document and related attachments are valid for 14 days only.

If you have any queries, please contact:

Greg Peel on 0417 584 179, or
David Boot on 0419 749 336, or
Habib Dagher on 0488 226 700.

Yours sincerely,

Joe De Luca
External Plant Manager

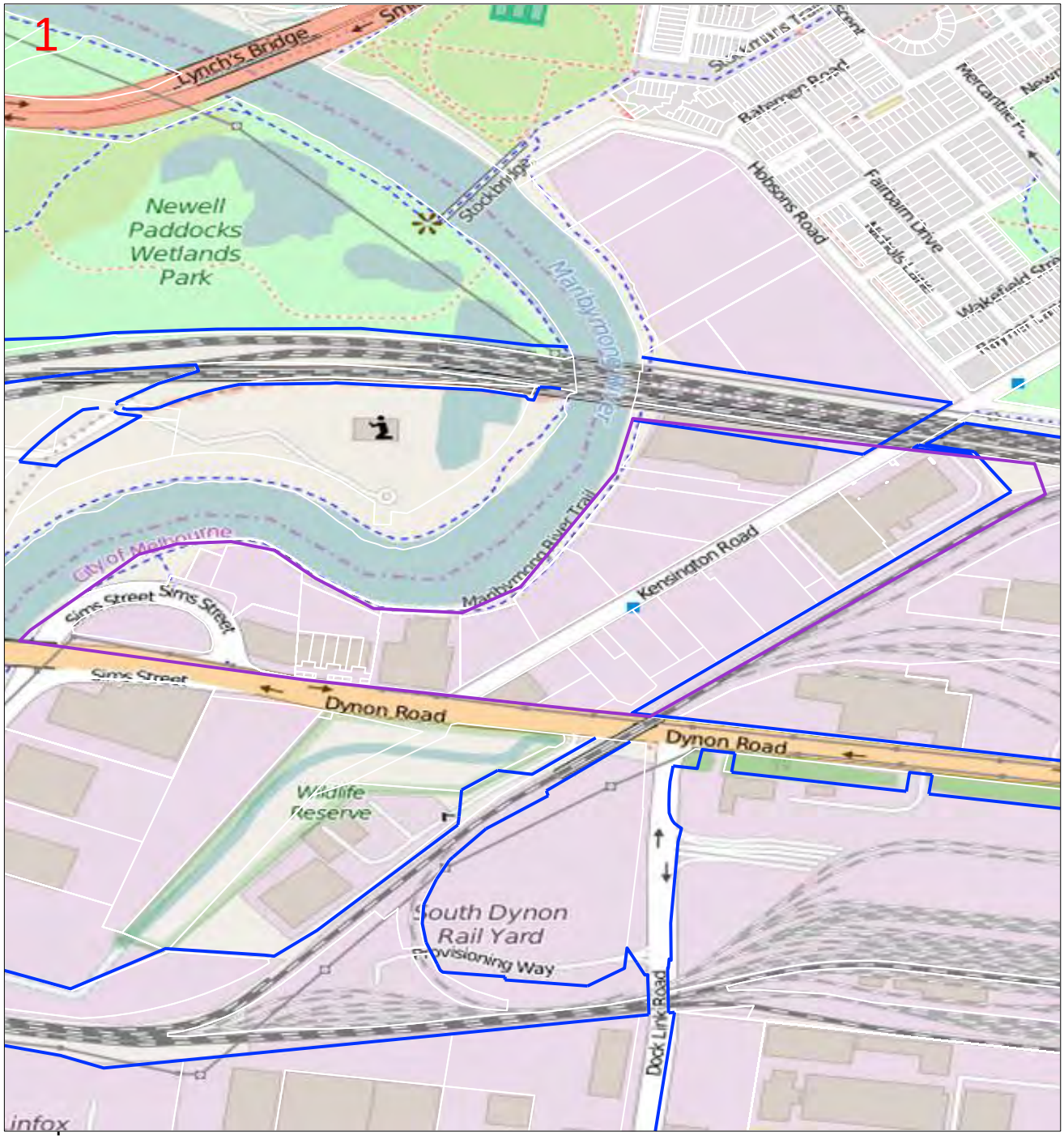
Vic Track's disclaimer
Please note that these Communication cable plans are only a guide and the drawings should not be scaled to locate the cable. No warranty is given that the information is accurate or complete.
Note - VicTrack does not have responsibility for the signalling cables that may be in the area, information for signalling cables can be obtained from ARTC (call Mr Mick Stoneham 0417 219 191) for standard gauge line / V/line (call Mr David Dunstan 0403 195640) for country and V/Line corridors) / Metro (call Signal Fault centre on 9619 2999) of Metro for signalling cables in the suburban area).

Date: 05/02/2019

Sequence No: 79895462

Dynon Road Melbourne

Overview Map



LEGEND:

- 1 — Detail Map Area
- Affected DBYD Work Area
- Underground Fibre Optic Cable
- VicTrack Rail Reserve

stripmap 0 0.06km

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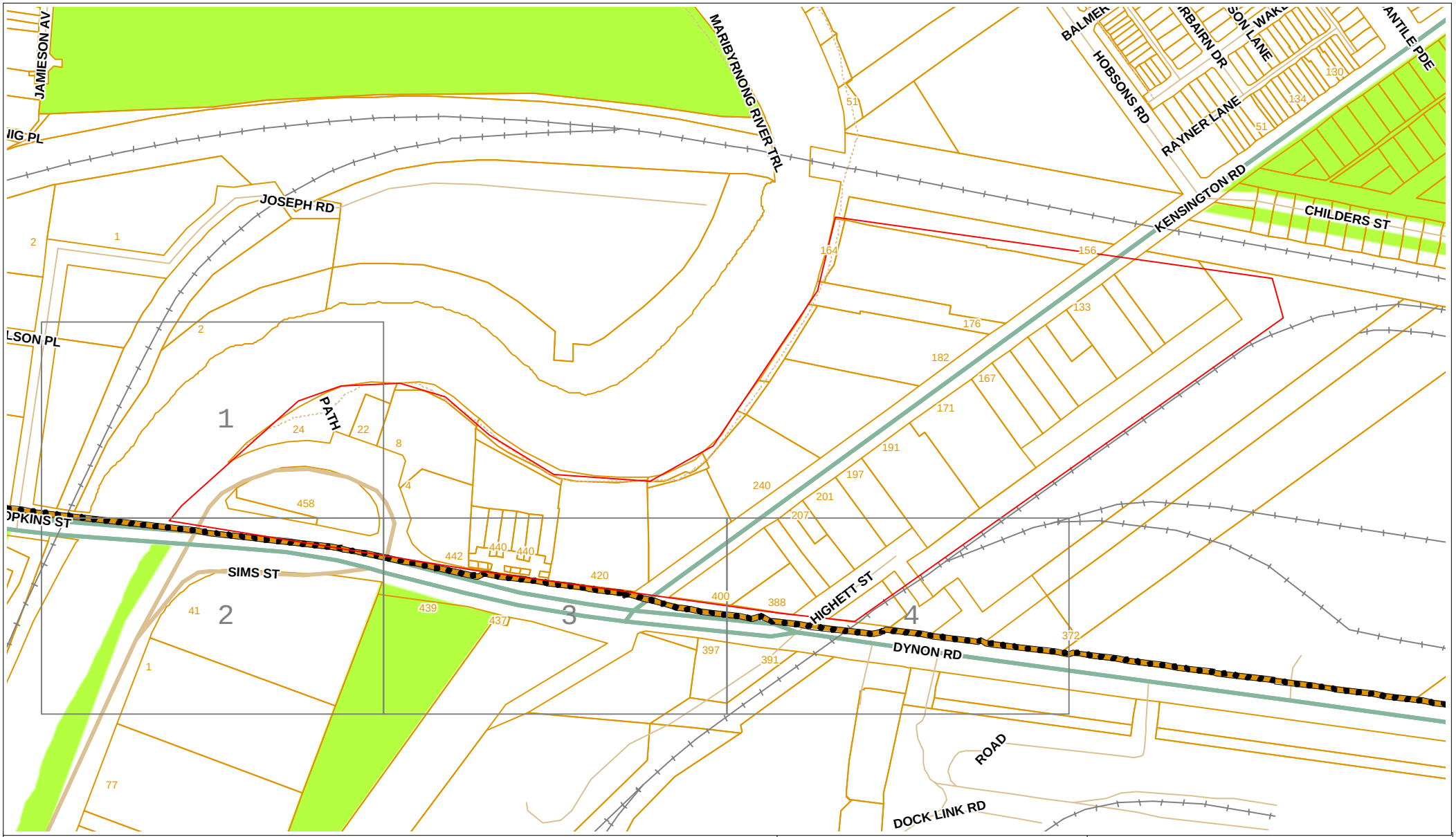


Sequence Number: 79895463

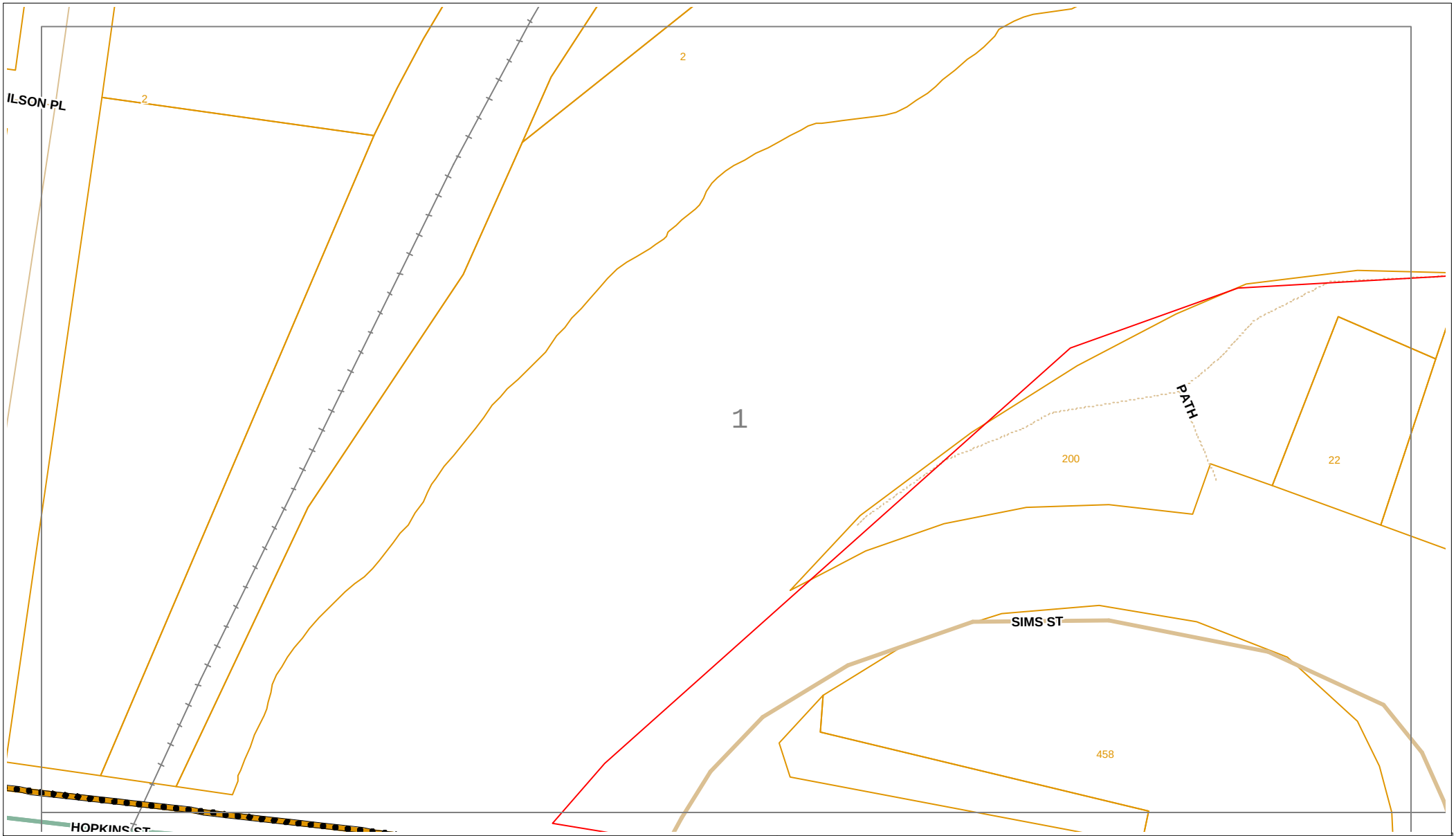
Date: 05/02/2019

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.

nextgen GROUP

LEGEND

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



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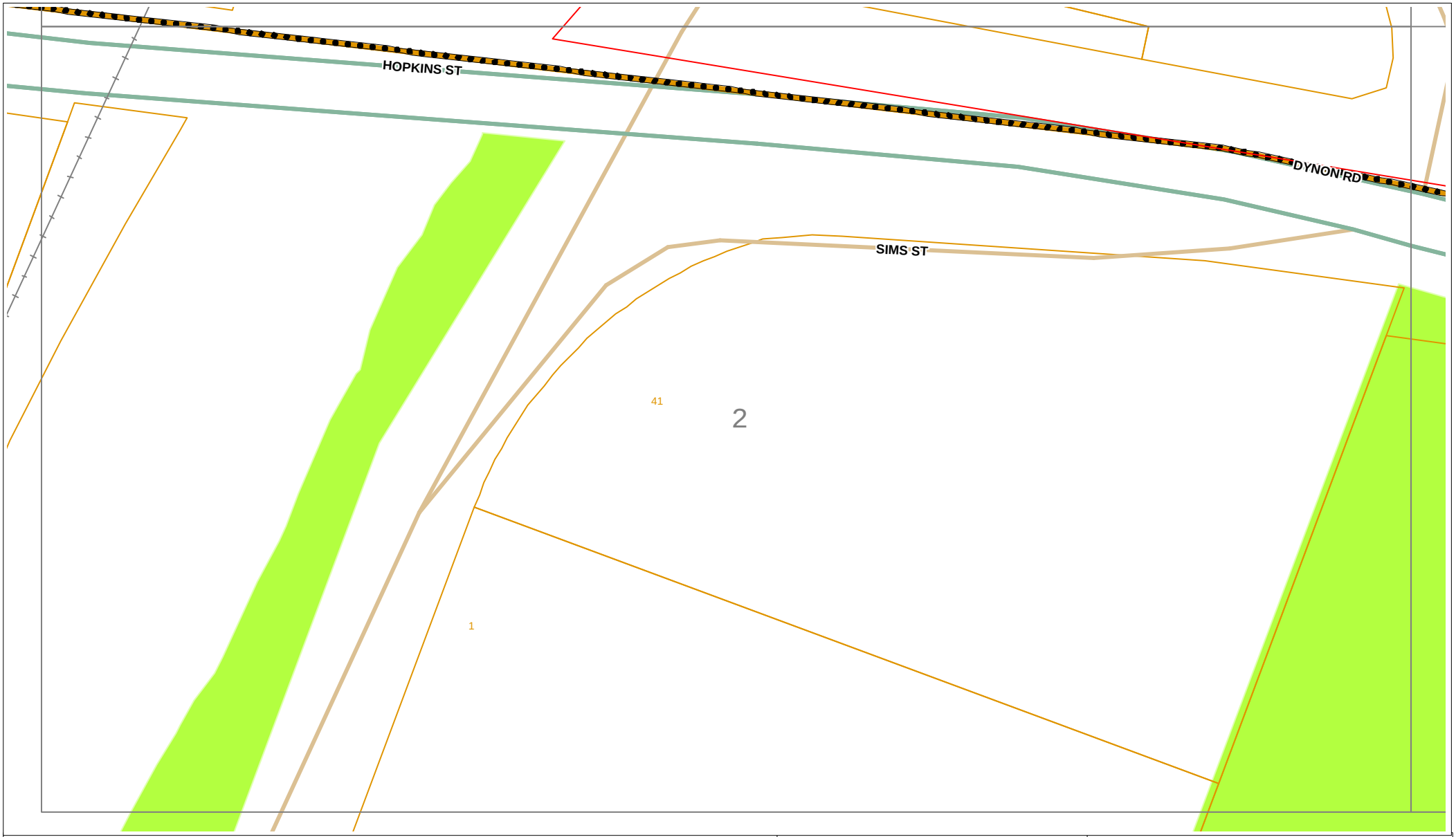
nextgen GROUP

LEGEND

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



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nextgen GROUP

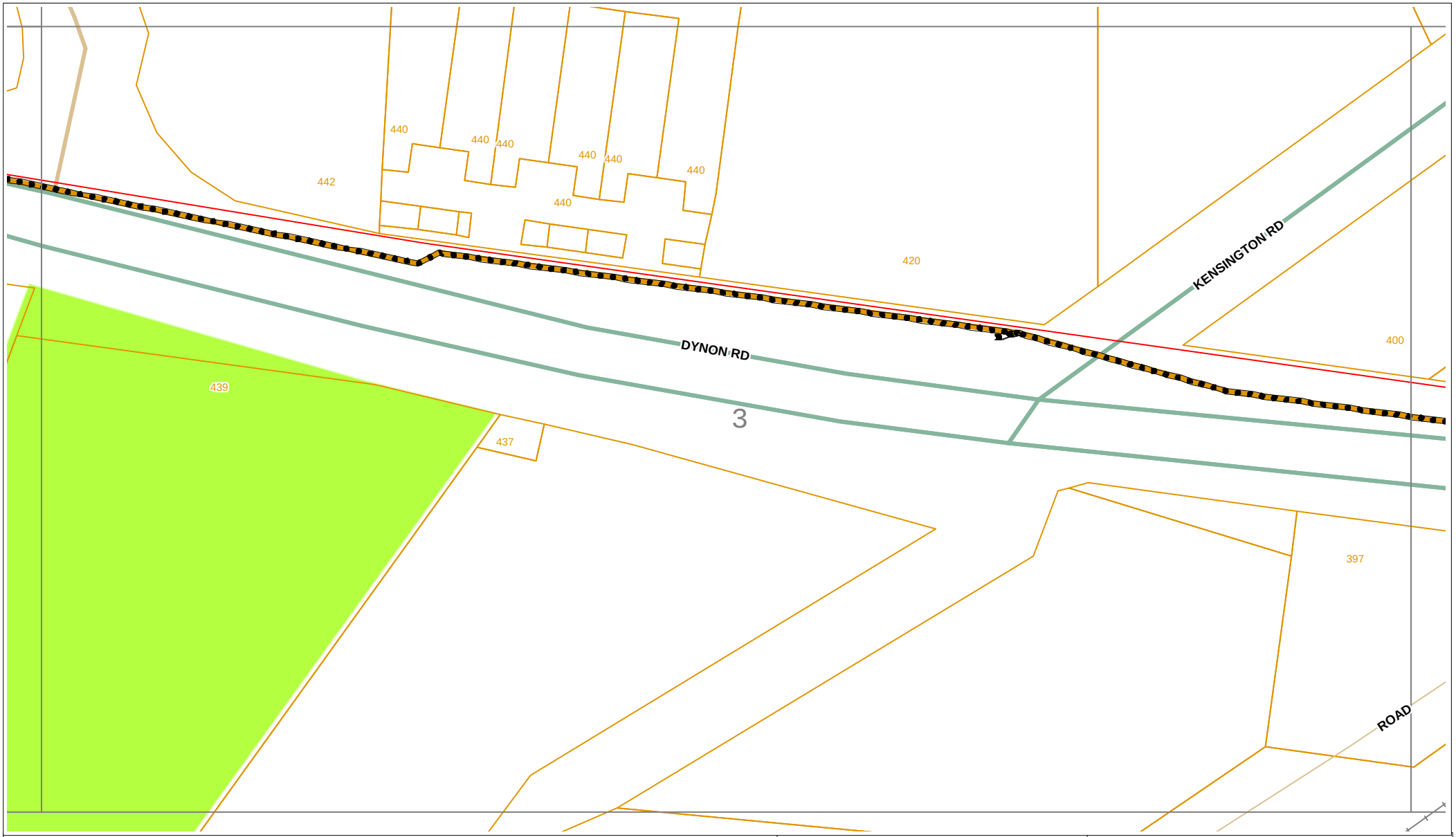
LEGEND

Digsite

- Point
- Line
- Area

Assets

- Cable
- 3rd Party Duct
- Marker Post



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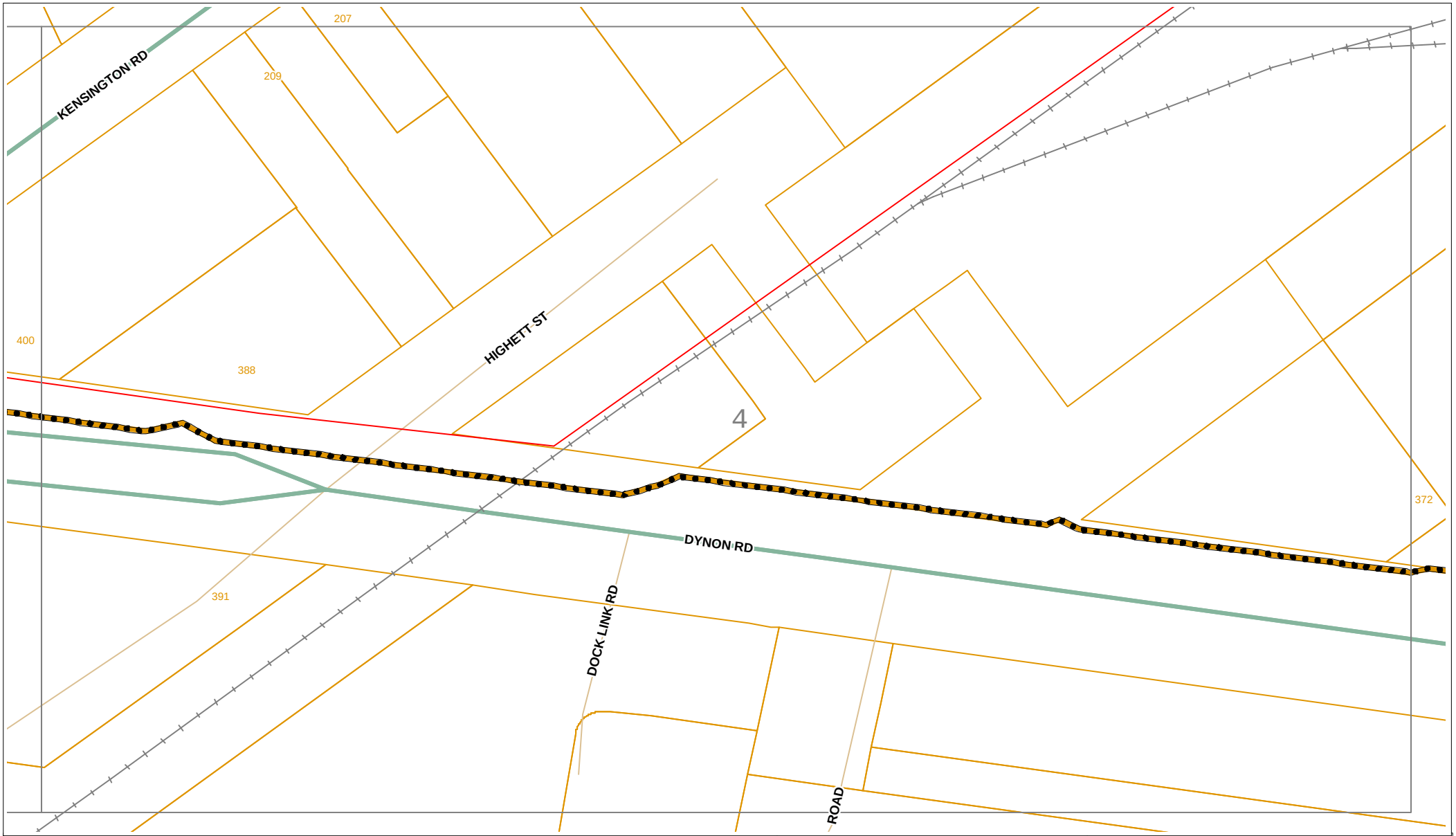
nextgen GROUP

LEGEND

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



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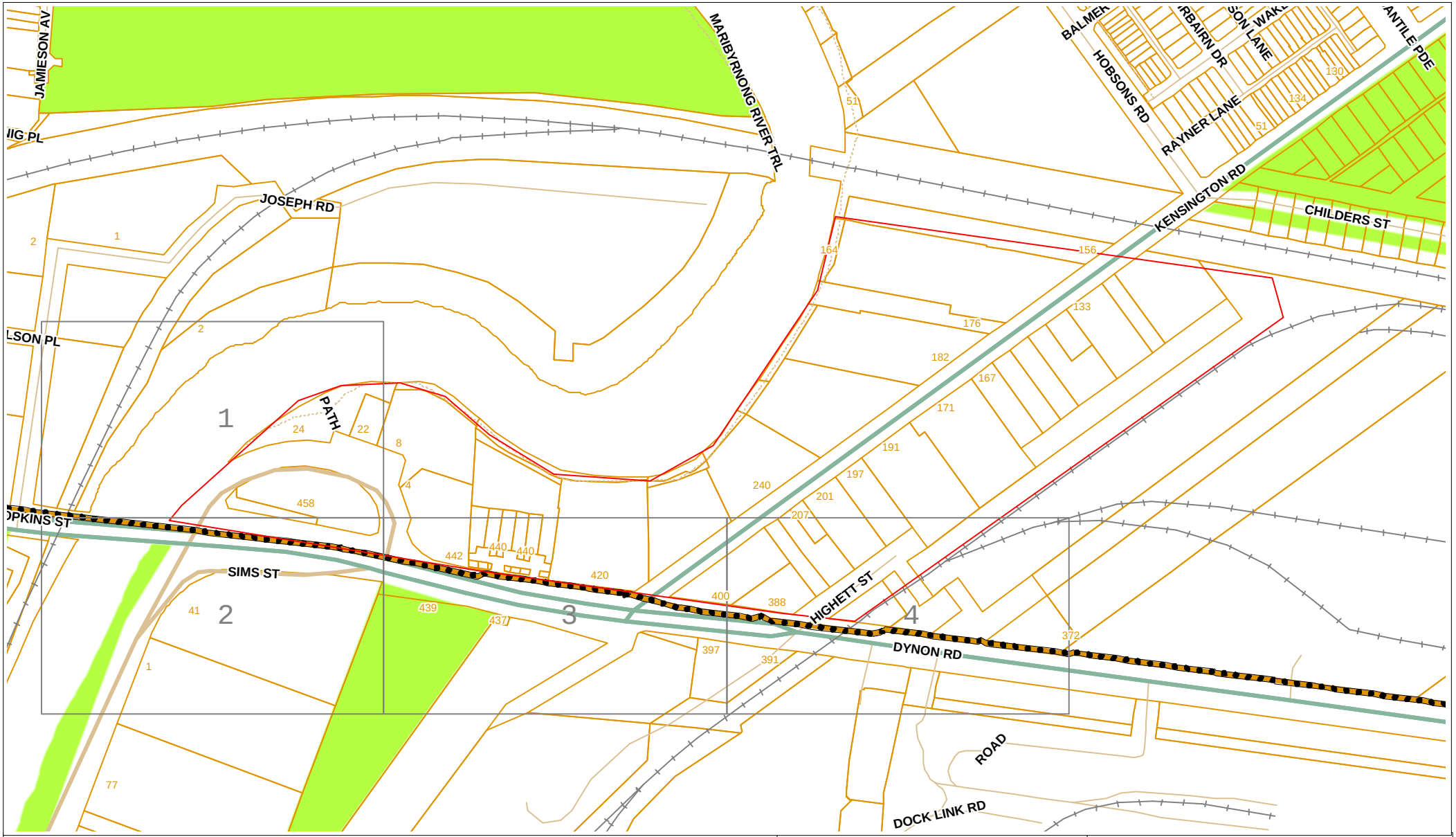
nextgen GROUP

LEGEND

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



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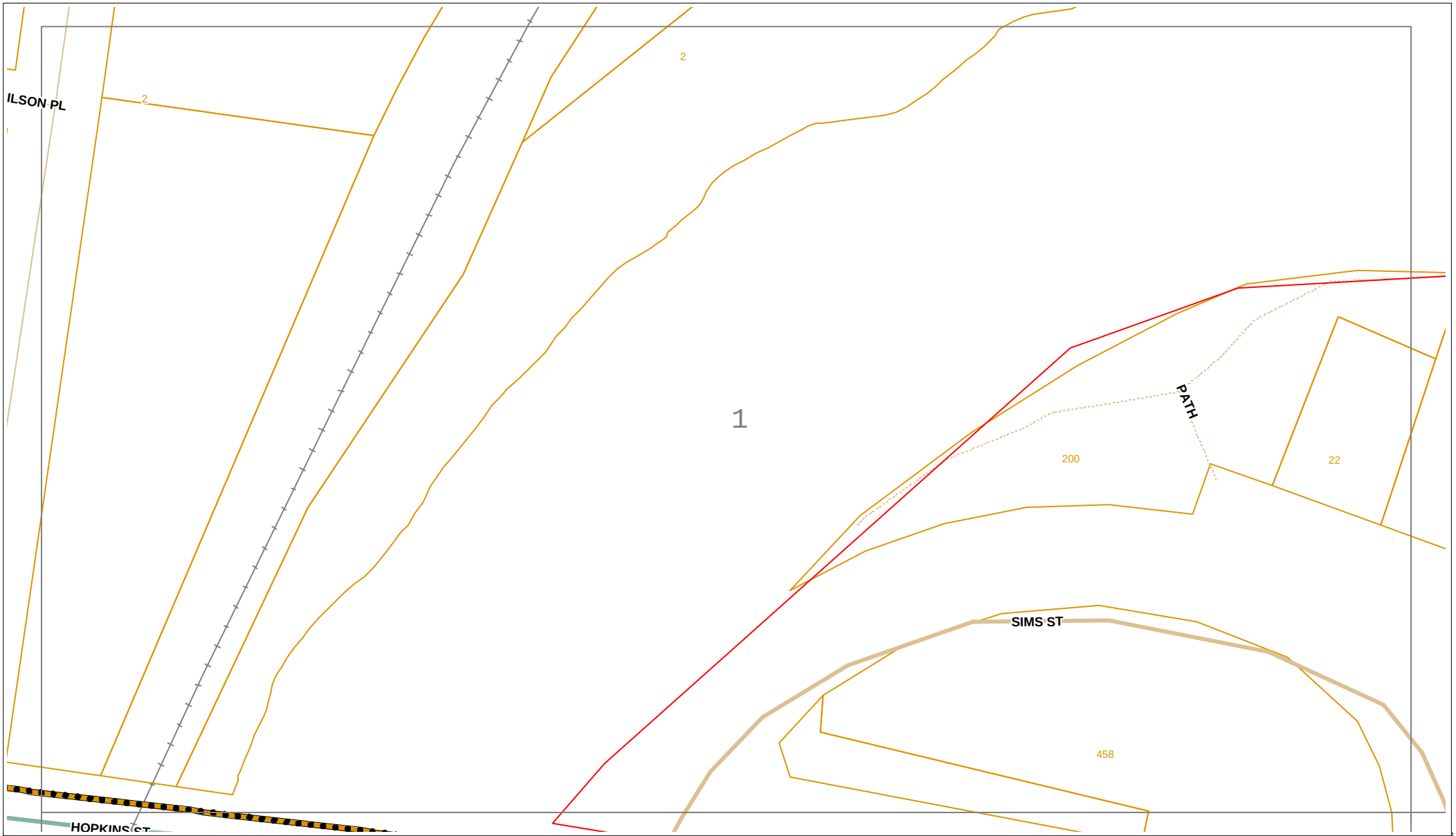
nextgen GROUP

LEGEND

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



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nextgen GROUP

LEGEND

Digsite		Assets	
Point		Cable	
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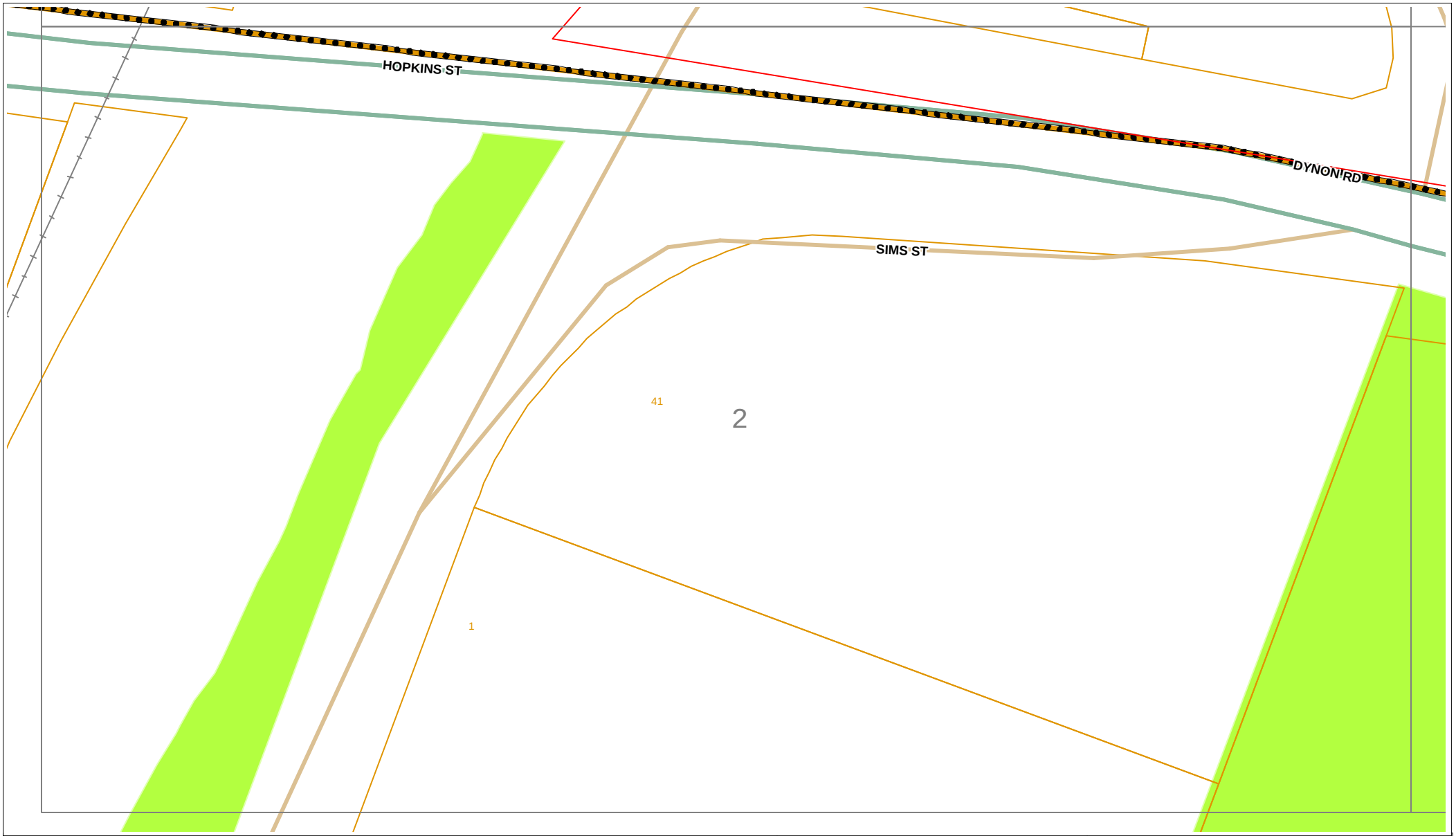
Area		Marker Post	



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nextgen GROUP

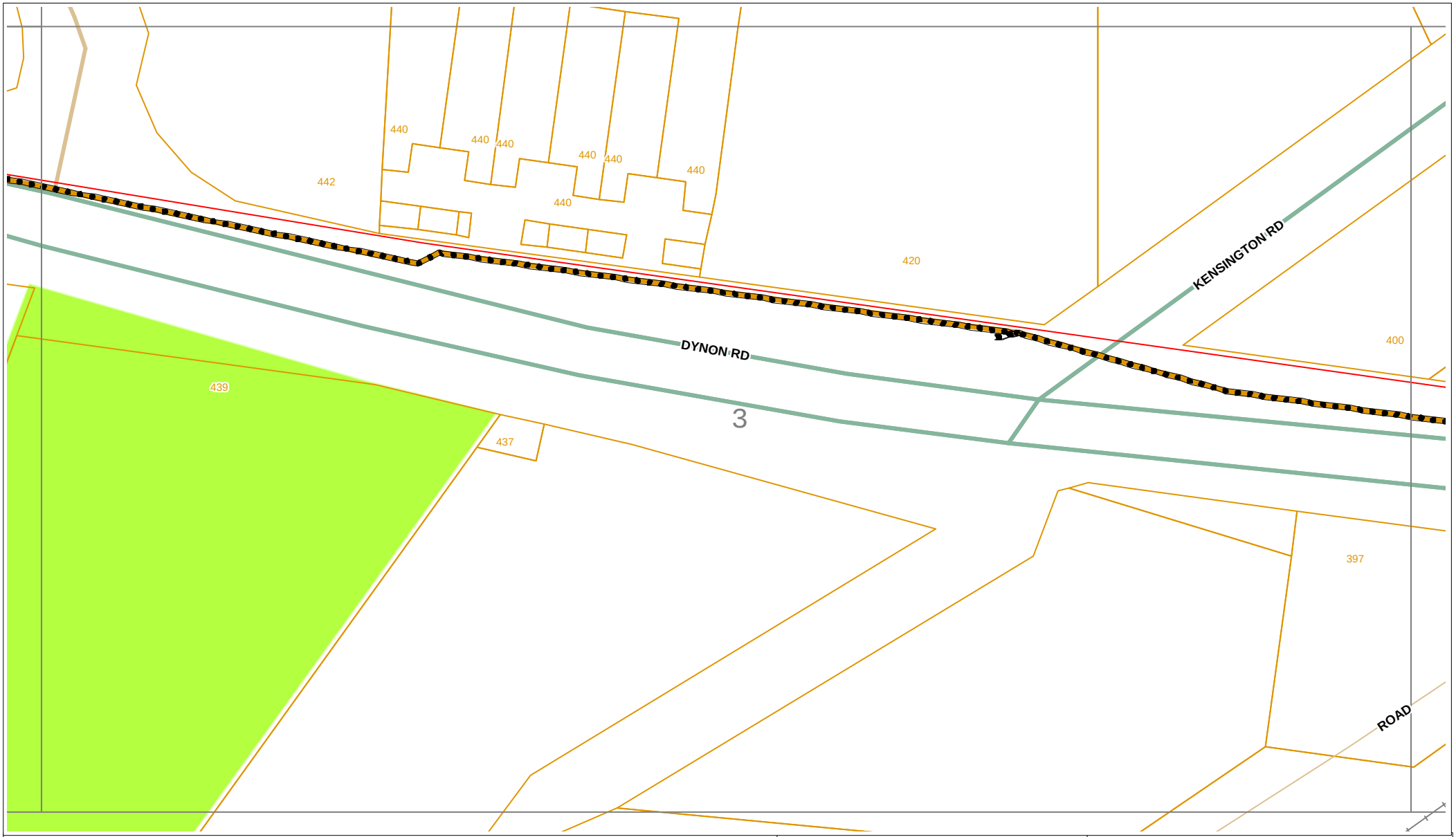
LEGEND

Digsite

- Point
- Line
- Area

Assets

- Cable
- 3rd Party Duct
- Marker Post



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Date: 05/02/2019

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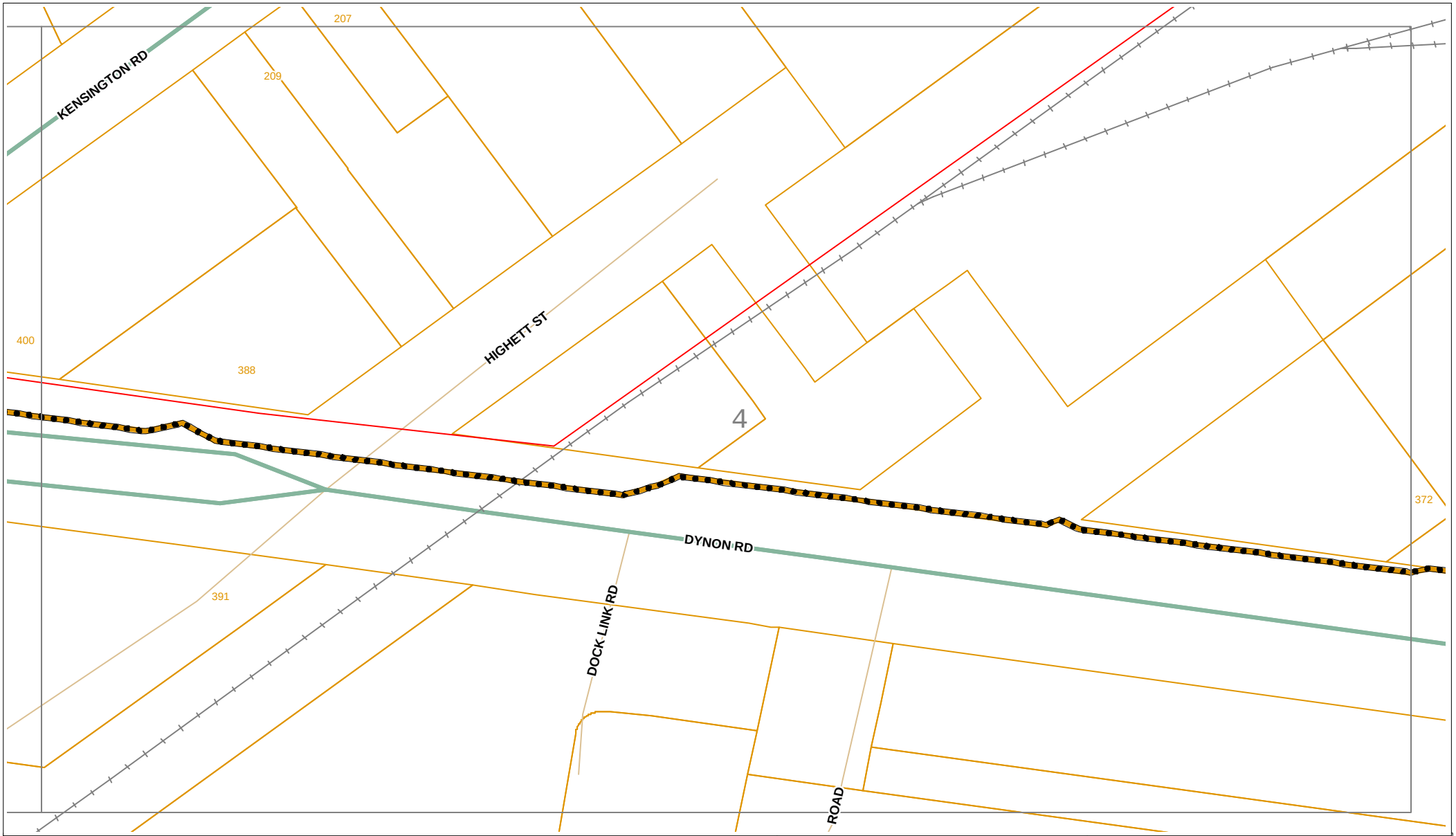
nextgen GROUP

LEGEND

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



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nextgen GROUP

LEGEND

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

CitiPower Pty
ABN 76 064 651 056
www.citipower.com.au

Head Office: 40 Market Street
Telephone: (03) 9683 4444 Facsimile: (03) 9683 4499 DX 433 Melbourne
Postal Address: Locked Bag 14090 Melbourne Victoria 8001 Australia

Powercor Australia
ABN 89 064 651 109
www.powercor.com.au

05/02/2019

Mr Jonathan Goddard
BlueSphere Environmental
115a Ferrars Street
Southbank VIC 3006

Reference Number 79895464

Dear Customer

Thankyou for your enquiry on 05/02/2019 regarding the work at:
Dynon Road Melbourne

A SEARCH OF OUR RECORDS SHOWS THAT THERE ARE UNDERGROUND ELECTRICITY ASSETS WITHIN THE AREA OF YOUR REQUEST

DO NOT PROCEED UNTIL YOU HAVE READ THIS NOTICE IN FULL

The following information is attached for your reference:

- Underground Electricity Asset location details
- Underground Electricity Hazard Awareness Instructions

To ensure that your proposed works do not impact on your safety or our assets please proceed as follows:

- Read all attached documents and observe the Exclusion Zones defined in the Underground Electricity Hazard Awareness Instructions
- Identify the locations of our Underground Electricity Assets from the attached documents

Are our Underground Electricity Assets located where you are planning to dig?

YES - contact us for further advice. Contact details are available on the first page of the attached Underground Electricity Hazard Awareness Instructions (including **Request for Site Visit**)

NO - proceed with caution

UNSURE - contact us for further advice. Contact details are available on the first page of the attached Underground Electricity Hazard Awareness Instructions (including **Request for Site Visit**)

Please note that **no work is to be undertaken in the vicinity of our Underground Electricity Assets that may breach the Exclusion Zones** (as defined by the Underground Electricity Hazard Awareness Instructions) until the completion of a further technical assessment of the area.

Upon receipt of your **Request for Site Visit** form you will be contacted by a responsible officer to assess your requirements. A site visit will be organised if required. During the site visit we will determine the location of our assets and any Permit to Work conditions applicable to your works. We will also be able to provide further details of any additional works which may be required to enable you to safely complete your proposed works.

Please note that the Permit to Work site visit timeframes are subject to enquiry volumes and specific site locations, therefore it may require up to 10 working days to contact you and arrange a site visit

Regards, CitiPower & Powercor Dial Before You Dig (DBYD) response team

Dial Before You Dig (DBYD)
Electricity Asset Location Information

CitiPower/Powercor
Locked Bag 14090, Melbourne VIC 8001
General Enquiries Telephone: 132 206

To: ('Enquirer')
BlueSphere Environmental - Mr Jonathan Goddard
115a Ferrars Street
Southbank VIC 3006

Enquiry Details

Utility ID	50013
Sequence Number	79895464
Enquiry Date	05/02/2019 16:37
Response	**DANGER - Permit May Be Required**
Address	Dynon Road Melbourne
Location in Road	CarriageWay,Footpath,Nature Strip
Activity	Vertical Boring

Enquirer Details

Customer ID	1831010		
Contact	Mr Jonathan Goddard		
Company	BlueSphere Environmental		
Email	jgoddard@bluesphere-enviro.com.au		
Phone	61 3 9699 5286	**Mobile**	Not Supplied

Enquirer Responsibilities

This notification is valid for 28 days from the issue date. CitiPower/Powercor assets are critical infrastructure and great care must be taken to avoid asset damage and risk to public safety. The information supplied in the DBYD Response is intended to be indicative only. External parties should make their own enquiries to ensure the accuracy of the information, including but not limited to:

- Check that the location of the dig site indicated is correct, if not you must submit a new enquiry.
- Should your scope of works change or the plan validity dates expire, you must submit a new enquiry.
- If you do not understand the plans provided please contact CitiPower/Powercor prior to works commencing.
- Always perform an onsite inspection to establish the presence of assets.
- Ensure you adhere to any State legislative requirements regarding Duty of Care and safe digging requirements.

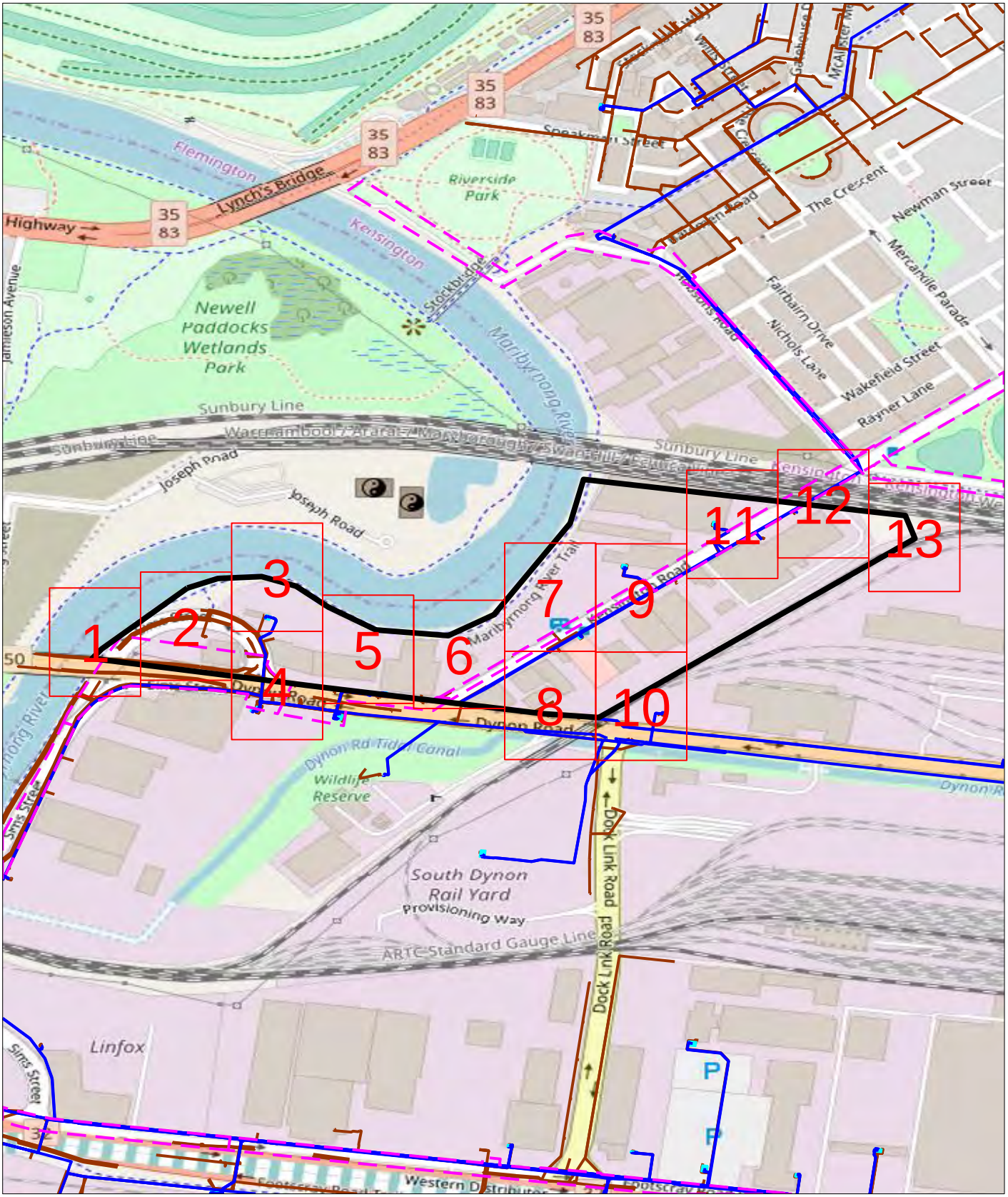
Report any asset damage immediately on 132 206. Note: CitiPower/Powercor reserves the right to recover compensation for damages.

Locality Map

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area | SWER Substation | High Voltage Cable | Communication Cable

Zone Substation | Distribution Substation | Low Voltage Cable | Earth Cable

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.07km

N

Imagery sourced from Open StreetMaps

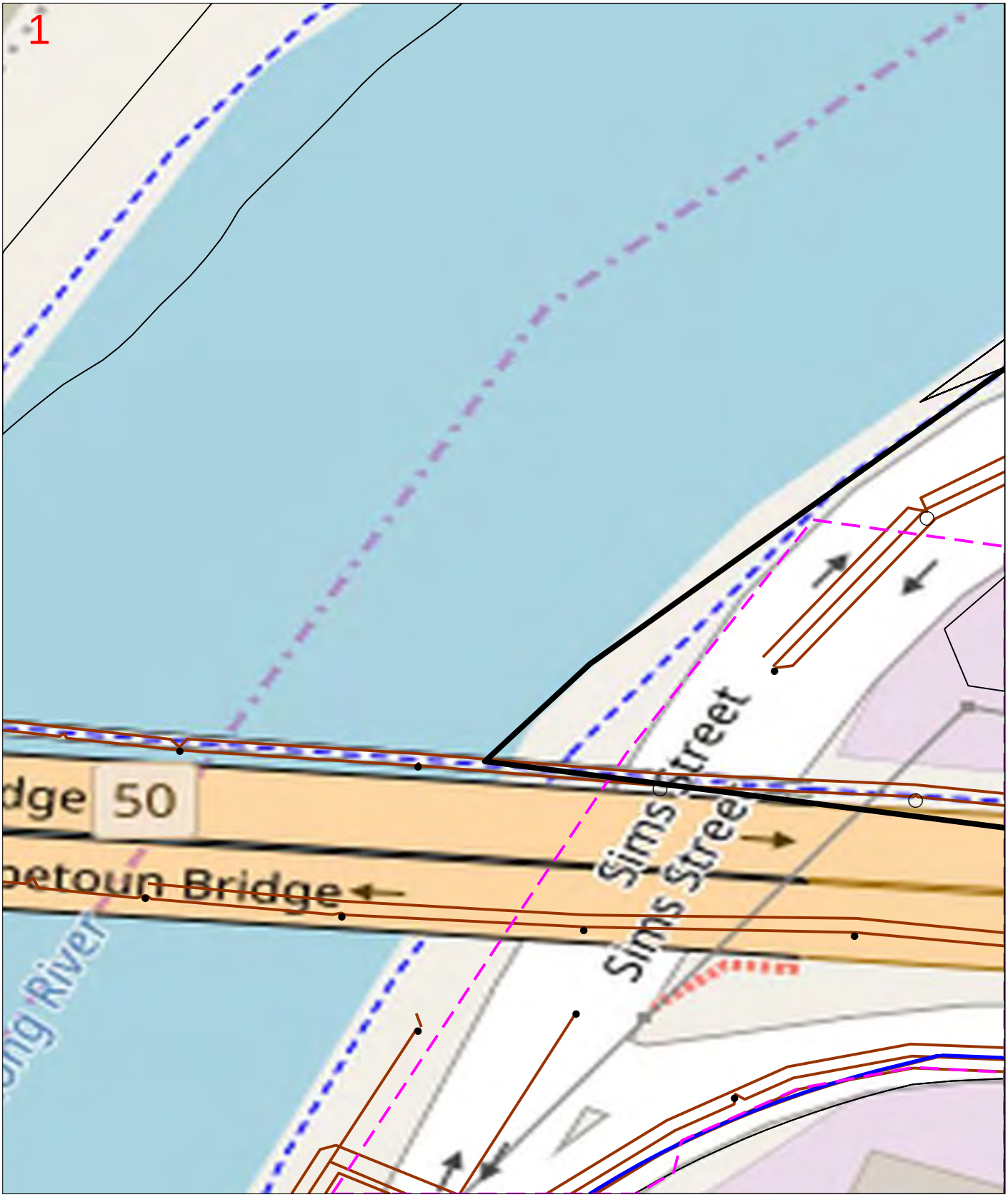
Powered by dbyd

Map 1

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

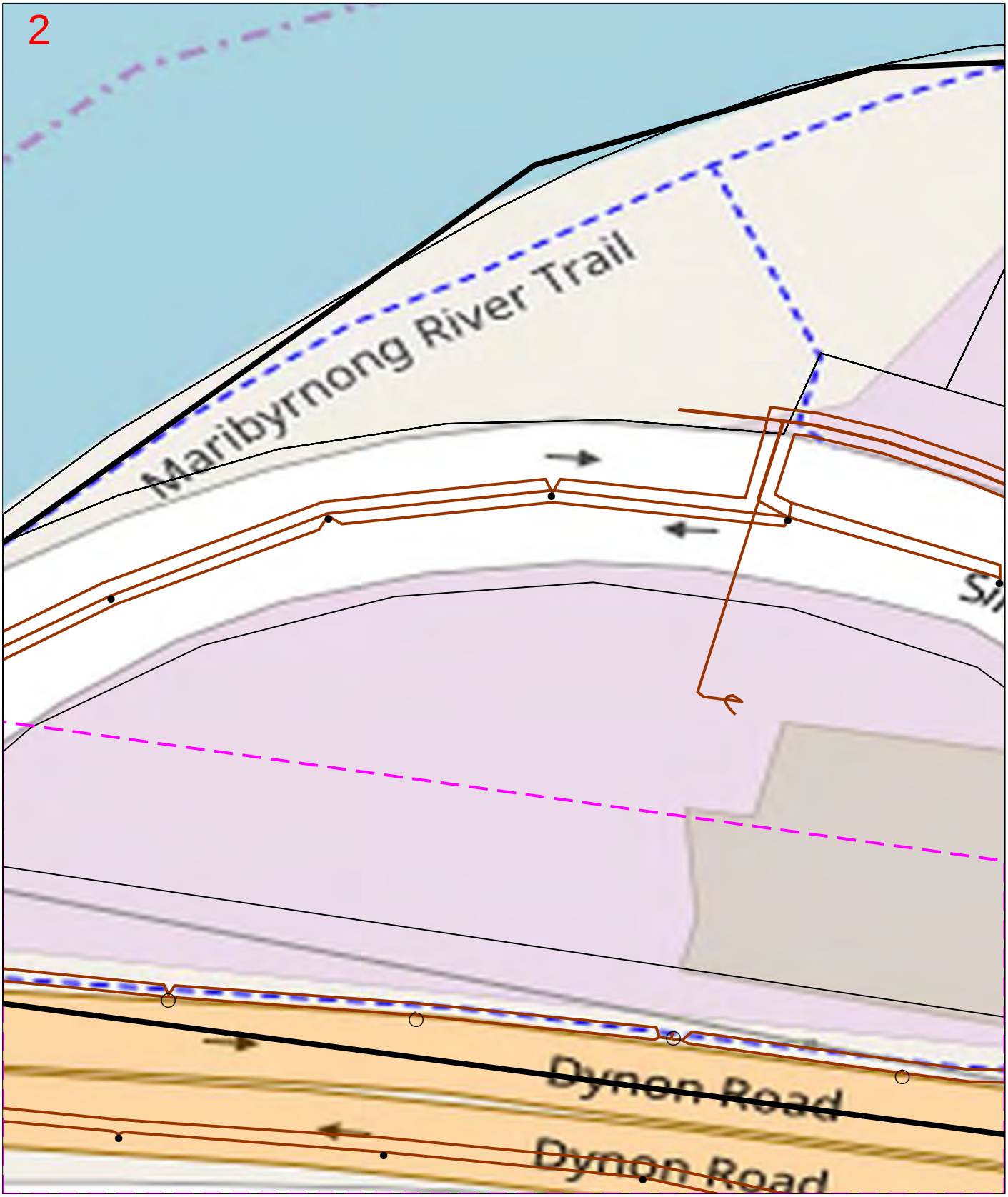
Imagery sourced from Open StreetMaps

Map 2

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

Powered by dbyd

Map 3

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS

LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

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0 0.006km

N

Imagery sourced from Open StreetMaps

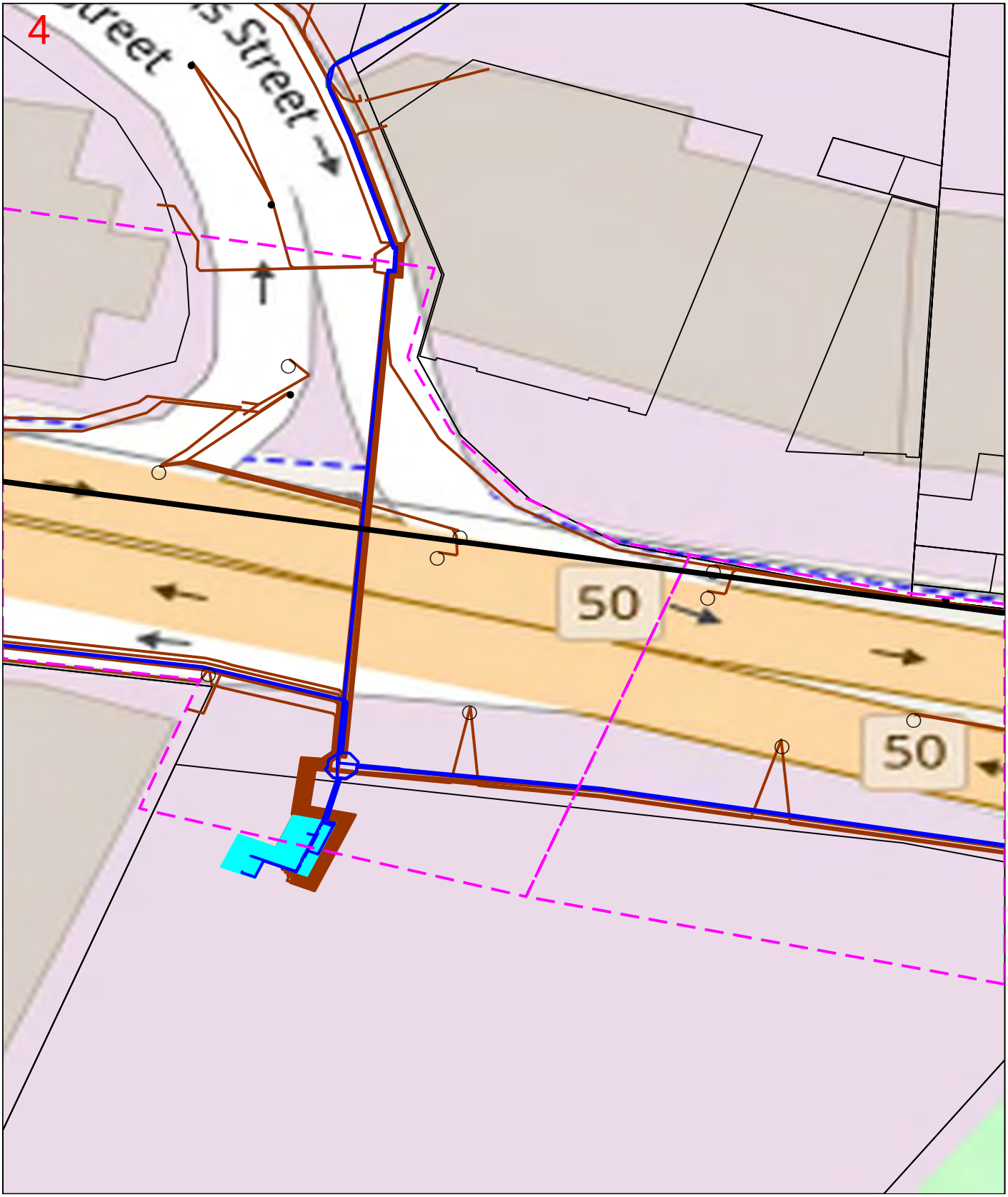
Powered by dbyd

Map 4

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

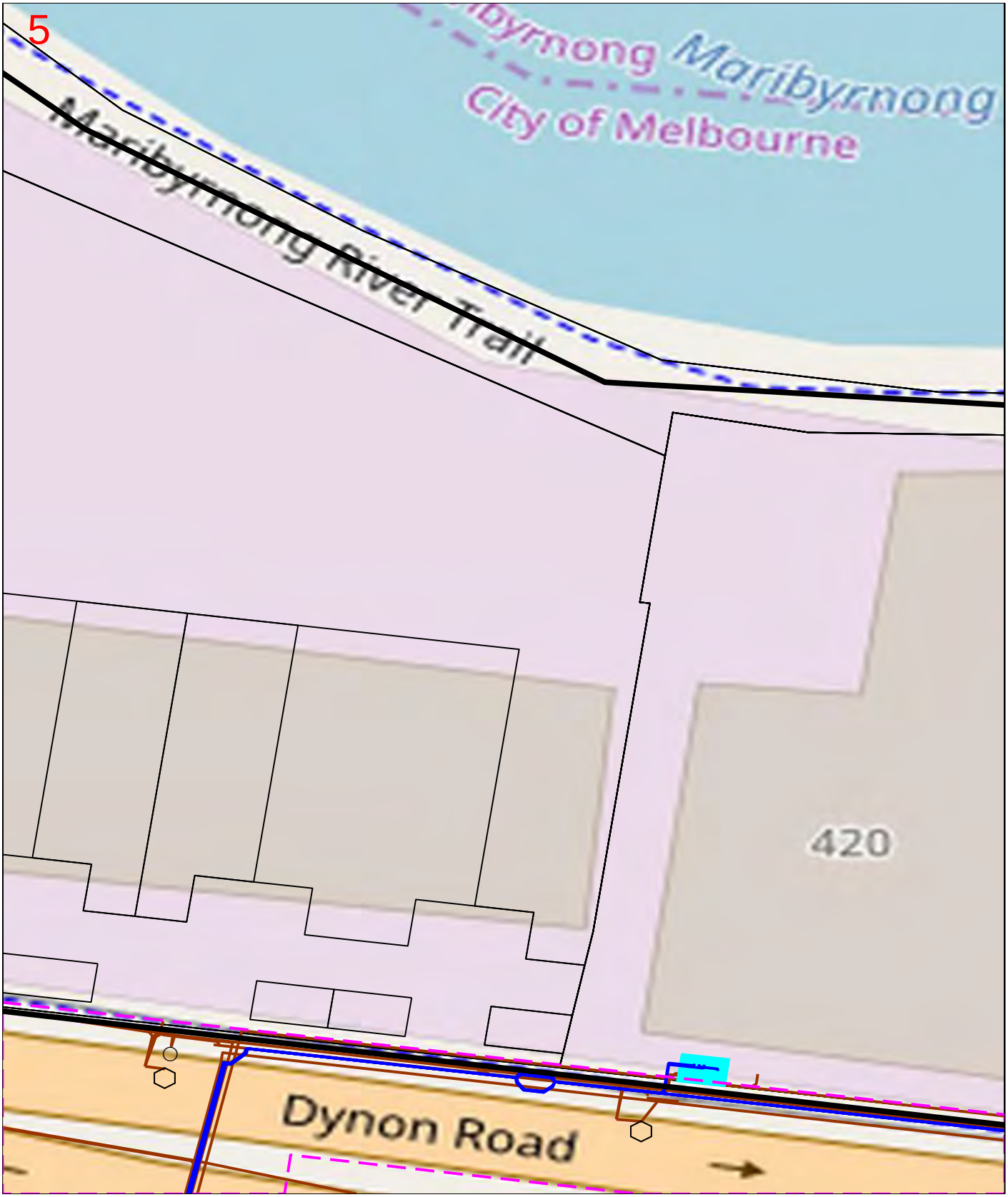
Powered by dbyd

Map 5

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

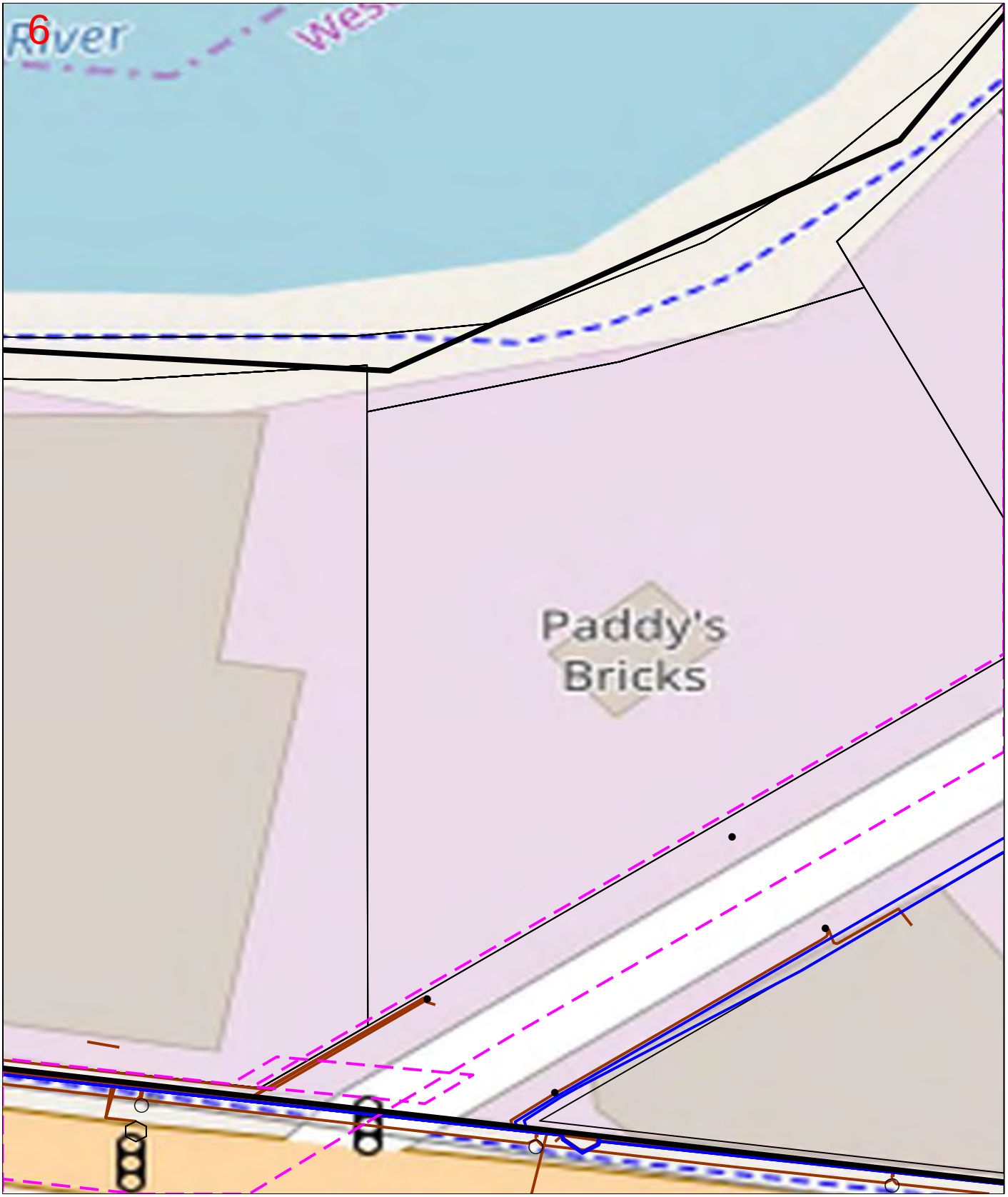
Powered by dbyd

Map 6

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

Powered by dbyd

Map 7

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS

LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

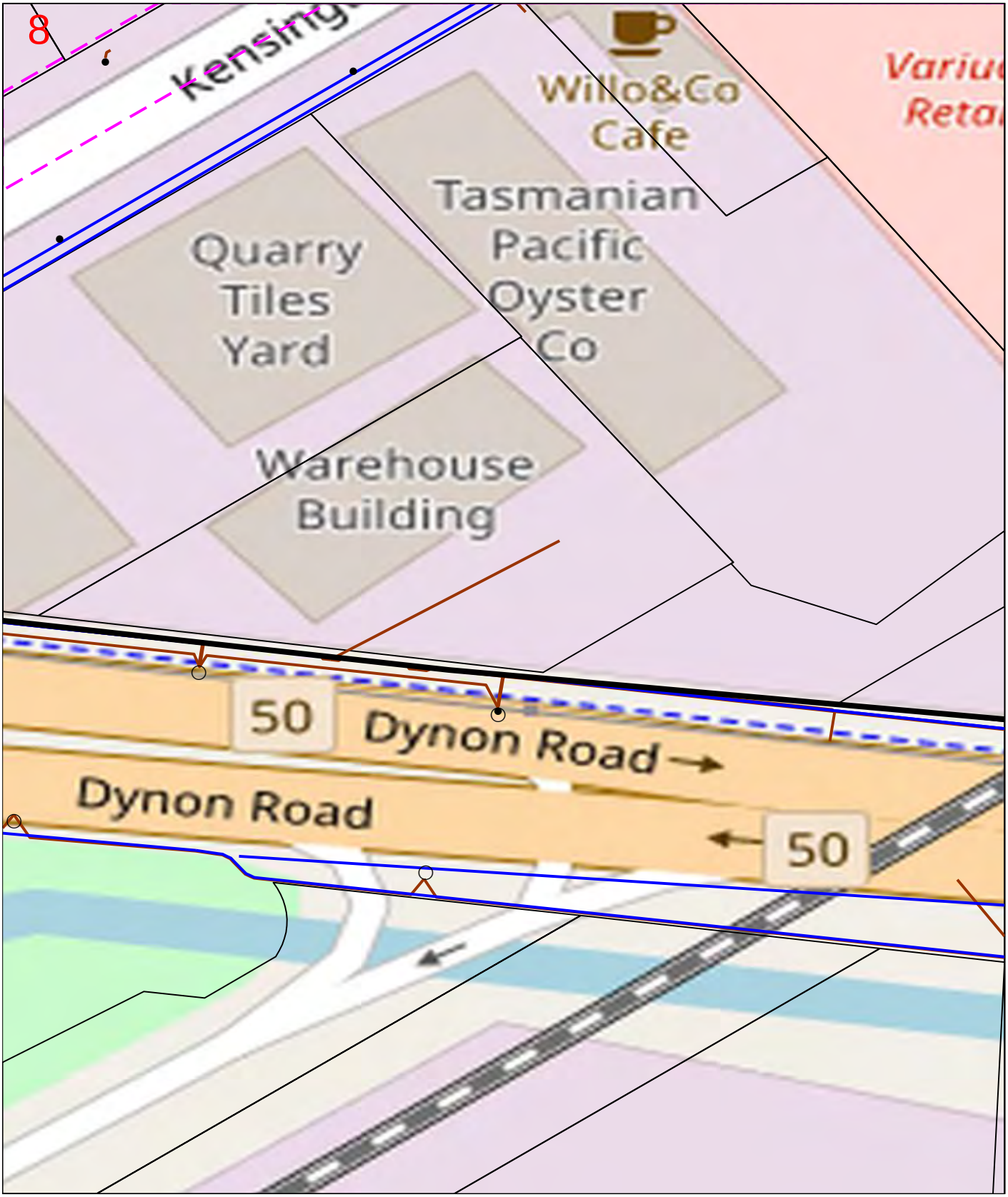
Powered by dbyd

Map 8

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

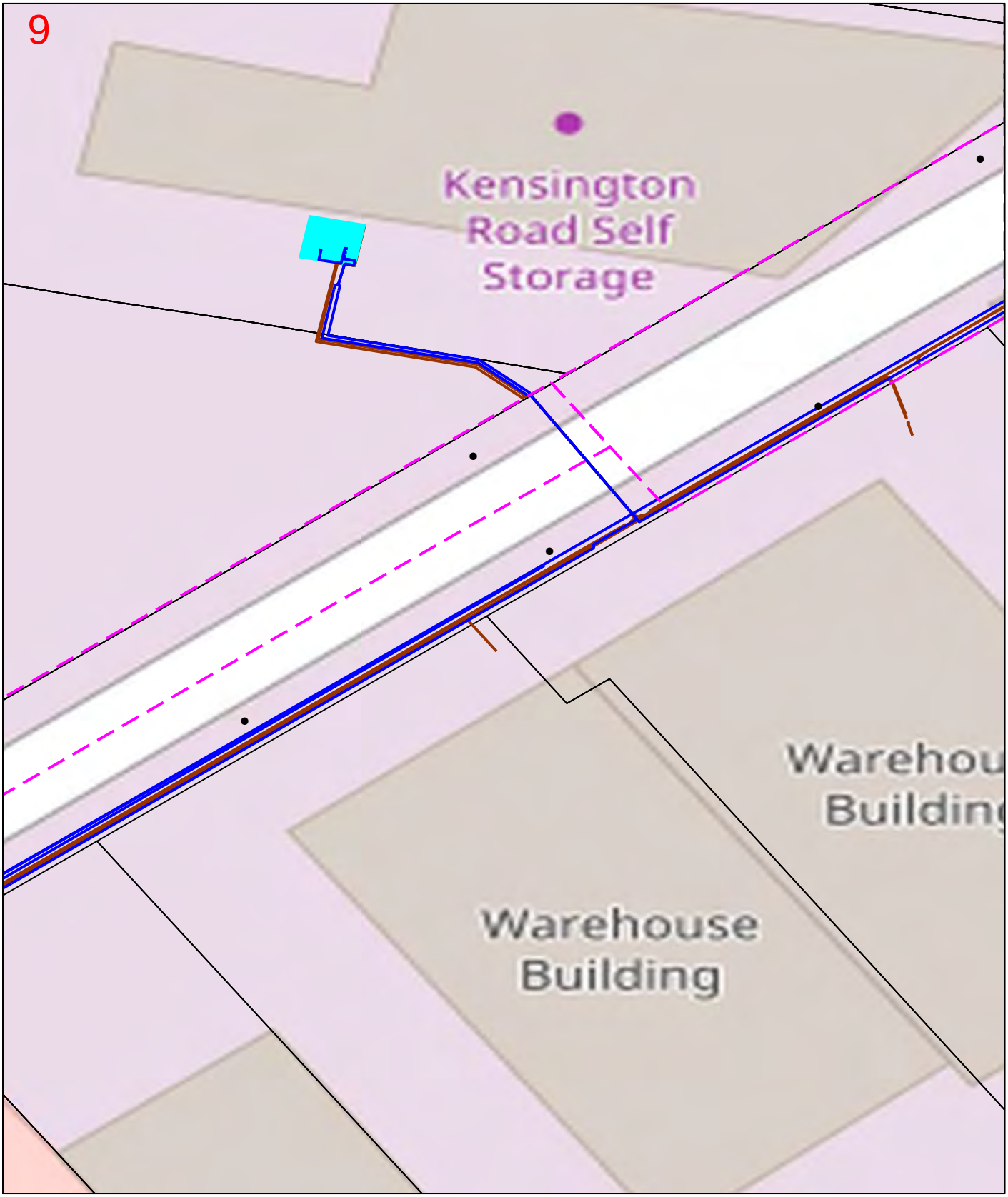
Powered by dbyd

Map 9

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

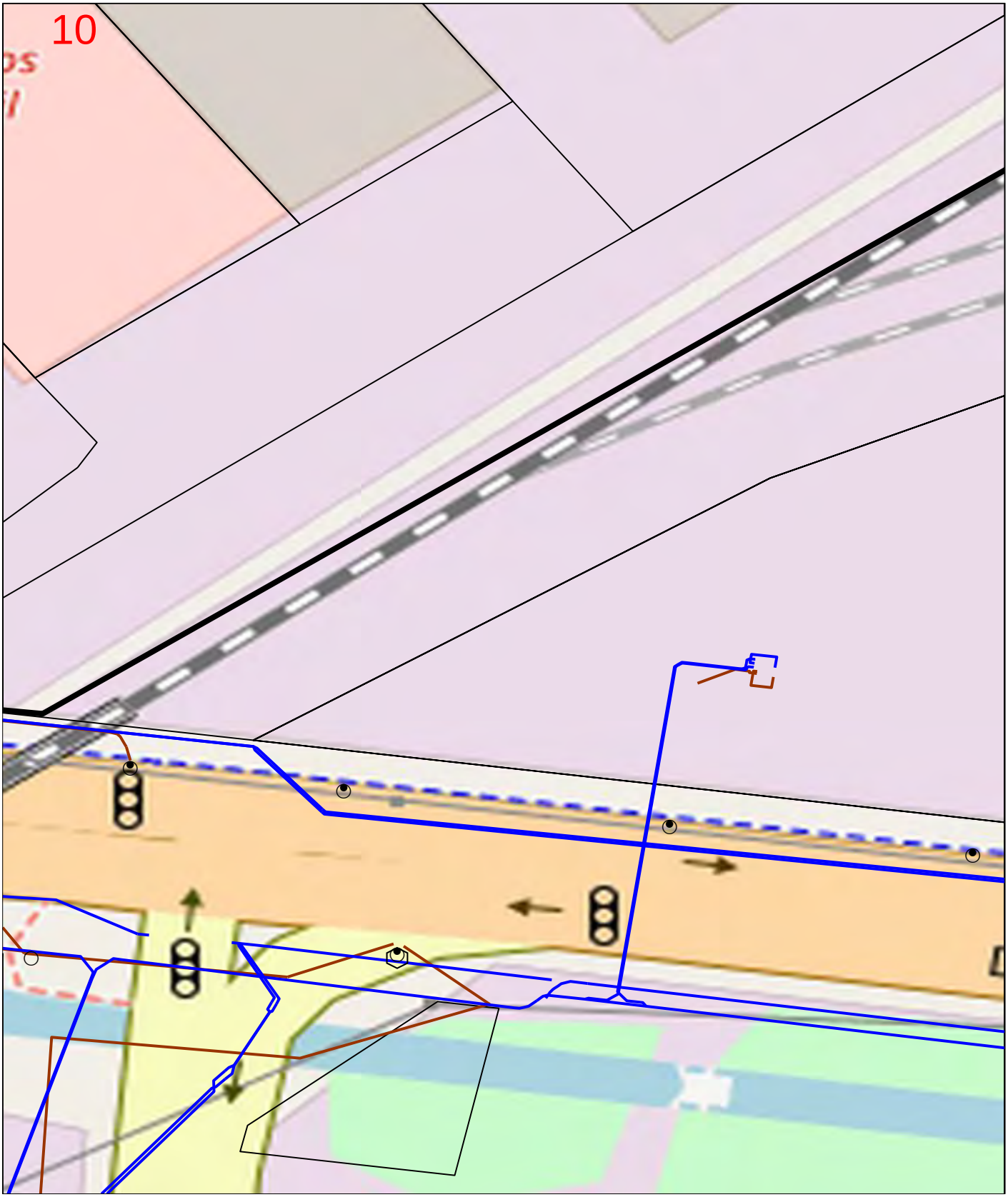
Powered by dbyd

Map 10

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

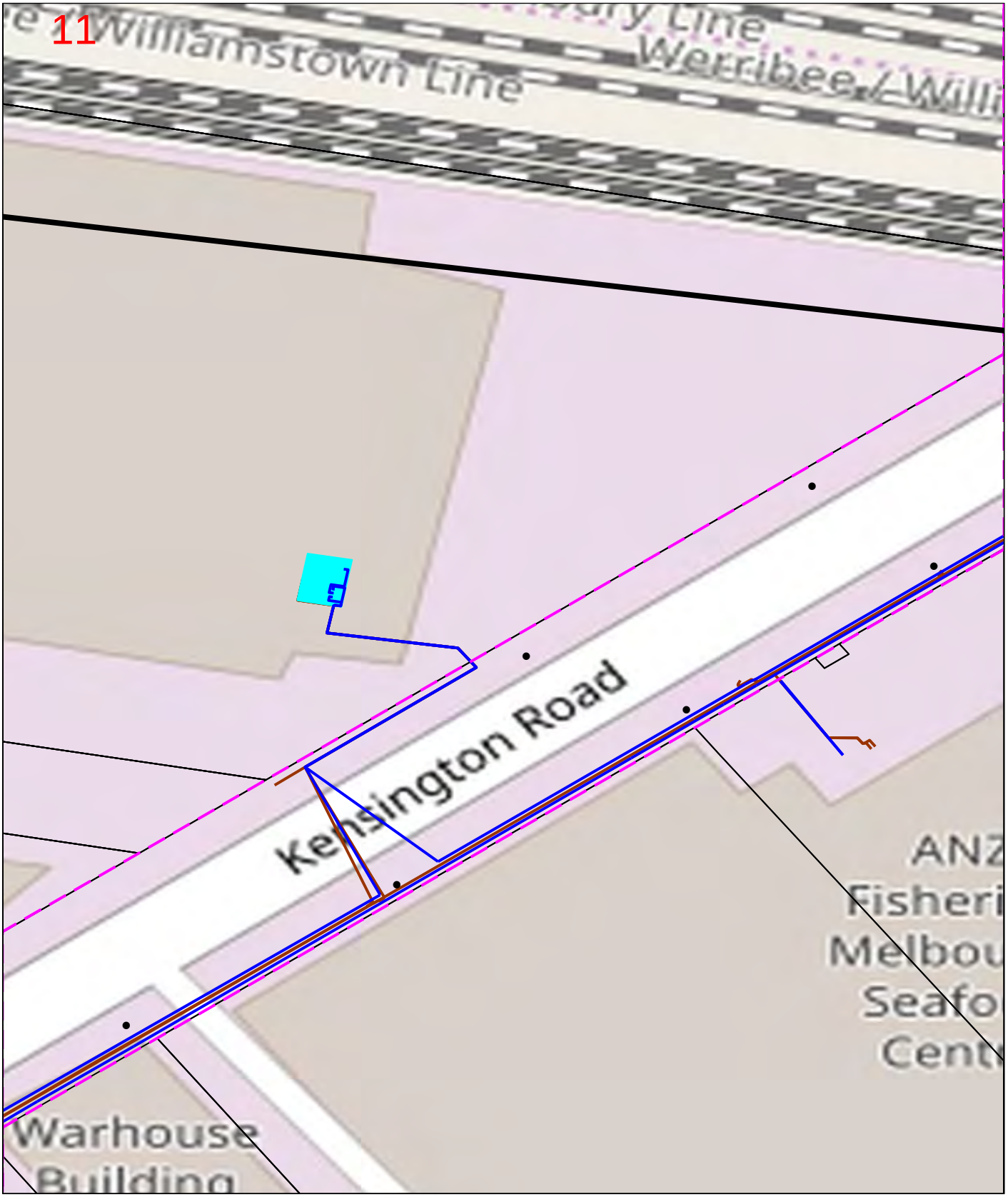
Powered by dbyd

Map 11

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

- DBYD Work Area
- Zone Substation
- SWER Substation
- Distribution Substation
- High Voltage Cable
- Low Voltage Cable
- Communication Cable
- Earth Cable
- Pole (Subtransmission)
- Pole (HV)
- Pole (LV)
- Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

Powered by dbyd

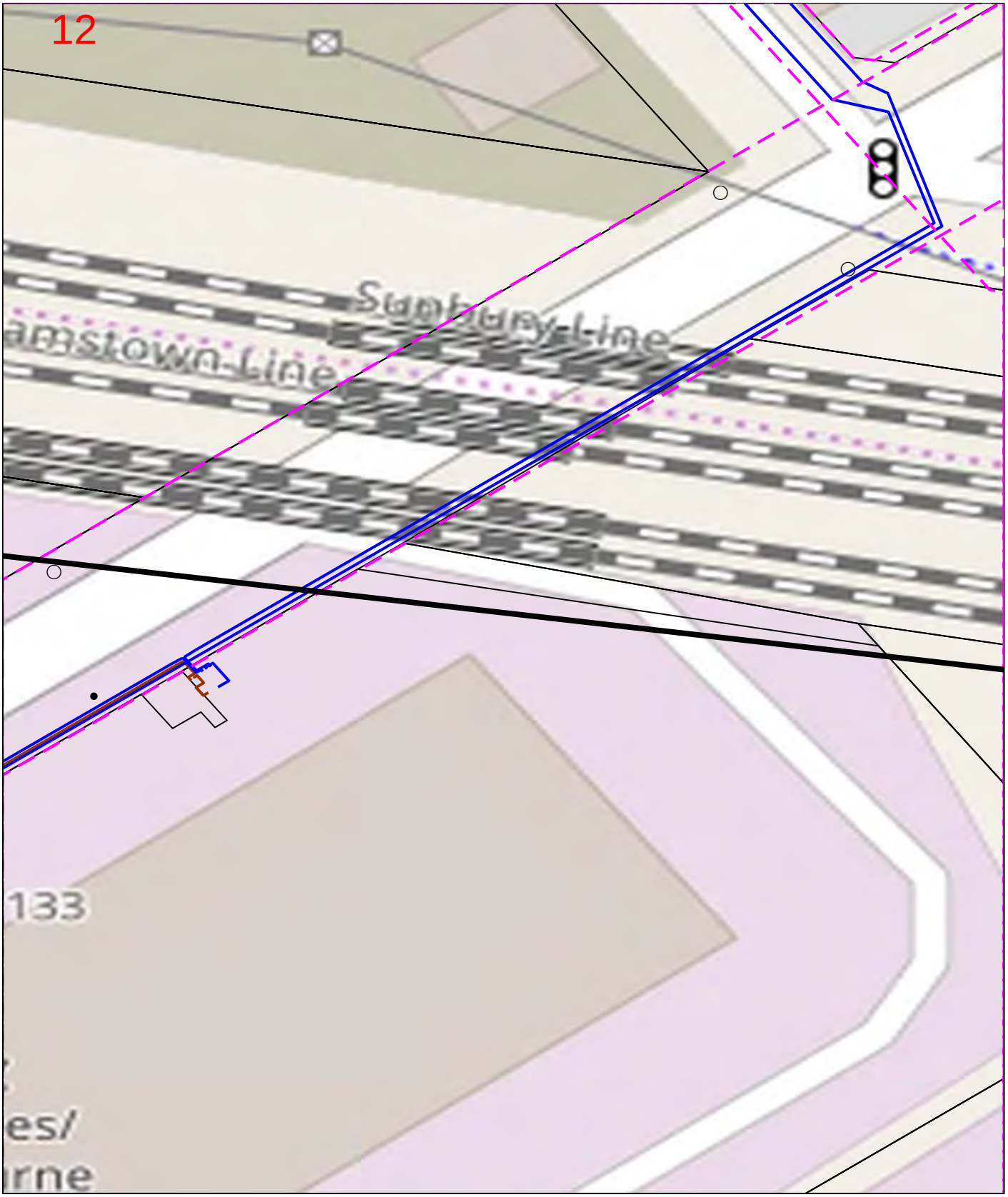
CITIPOWER Powercor AUSTRALIA

Map 12

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS



LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

0 0.006km

N

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

Imagery sourced from Open StreetMaps

Map 13

Sequence No: 79895464

Dynon Road Melbourne

MAP IS A GUIDE ONLY- REFER TO CABLE PLANS FOR ACCURATE ASSET LOCATIONS

LEGEND:

DBYD Work Area
SWER Substation
High Voltage Cable
Communication Cable
Pole (Subtransmission)
Pole (LV)
Zone Substation
Distribution Substation
Low Voltage Cable
Earth Cable
Pole (HV)
Property Boundary

This map represents the location of the submitted DBYD Work Area and all CitiPower/Powercor responses are based on this location. It is the responsibility of the enquirer to ensure the accuracy of the DBYD Work Area.

0 0.006km

N

Imagery sourced from Open StreetMaps

Powered by dbyd

UNDERGROUND ELECTRICITY HAZARD AWARENESS INSTRUCTIONS

For CitiPower & Powercor Dial Before You Dig customers

Always complete a **Dial Before You Dig** request before you proceed with any work plans

If there are Underground Electricity assets identified within your work area please ensure that you carefully evaluate all of the information provided

If any part of your proposed works impacts on the **EXCLUSION ZONES** shown on the next page then before proceeding you must contact CitiPower/Powercor to determine if a **PERMIT TO WORK** is required and to organise a **SITE VISIT**

Site Visit/Permit To Work applications may be lodged at:

https://www.citipower.com.au/working-with-us/suppliers/online-permit-applications/site-visit/

If you need assistance to determine if you need a Site Visit please call:

CitiPower on **1300 301 101** **Powercor** on **132 206**

Underground Electricity Asset Location Details Accuracy:

The Underground Electricity asset location details provided with this response are based on the best information available at the time

All reasonable care has been taken to ensure the accuracy of the information provided but complete accuracy cannot be guaranteed

Please be aware that the Underground Electricity Asset depths shown on the attached plans are accurate at the time of recording, however, due to works undertaken over the years by parties other than CitiPower/Powercor the Underground Electricity Asset depths may differ to those shown on the plans

Contact with Underground Electricity Cables can cause serious injury or death

If you observe any Underground Electricity Assets that do not appear on the records provided

Stop Work Immediately

and contact CitiPower/Powercor on the above numbers

This DBYD response has been Automatically Generated

UNDERGROUND ELECTRICITY HAZARD AWARENESS INSTRUCTIONS

For CitiPower & Powercor Dial Before You Dig customers

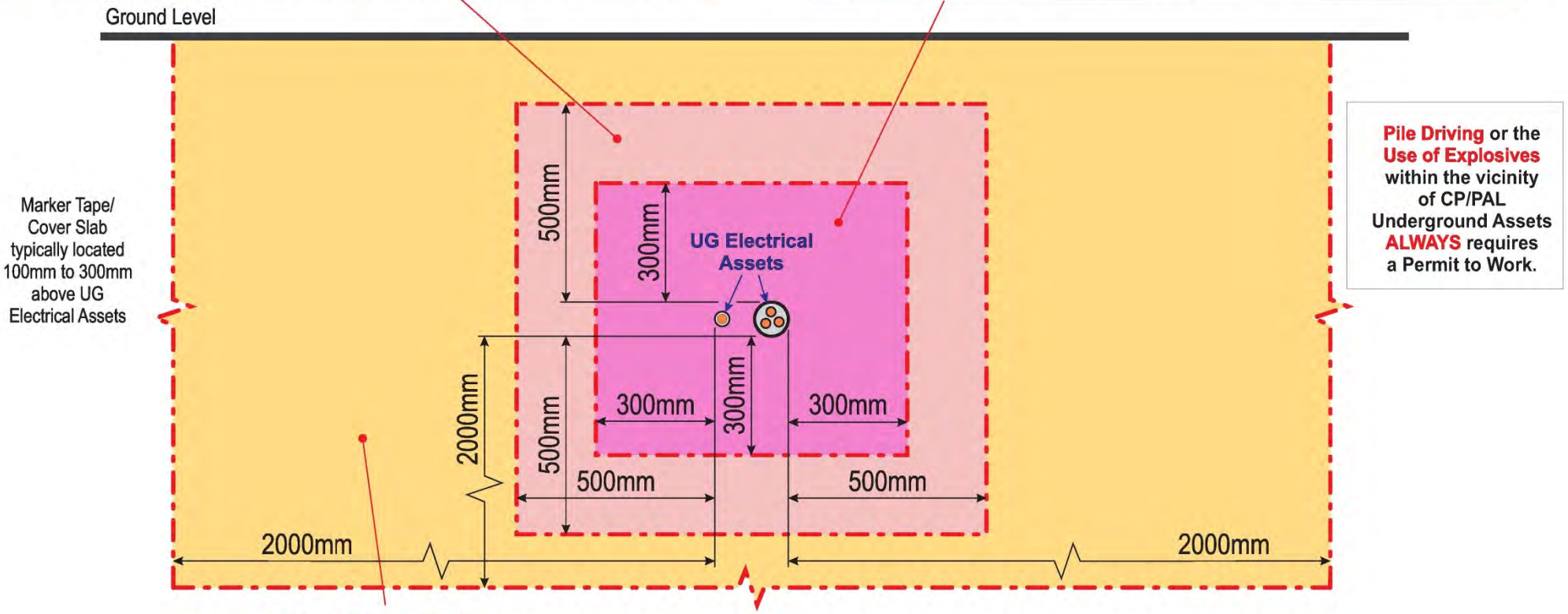
EXCLUSION ZONES

500mm Exclusion Zone
Heavy Machinery & Mechanical Excavation

Heavy (Crawler Type) Machinery operation and Mechanical Excavation within a 500mm distance of Underground Electricity Assets requires a Permit to Work

300mm Exclusion Zone
Hand Tools Only

All Excavation within a 300mm distance of Underground Electricity Assets requires a Permit to Work and must only be performed with Hand Tools



Pile Driving or the **Use of Explosives** within the vicinity of CP/PAL Underground Assets **ALWAYS** requires a Permit to Work.

2000mm Exclusion Zone
Works within this area that require a Site Technical Assessment and may require a Permit to Work includes:

Pot Hole Boring Machine (Vertical Boring), Directional Boring Machine,
Excavations Parallel to Underground Electricity Assets, Excavations Across Underground Electricity Assets

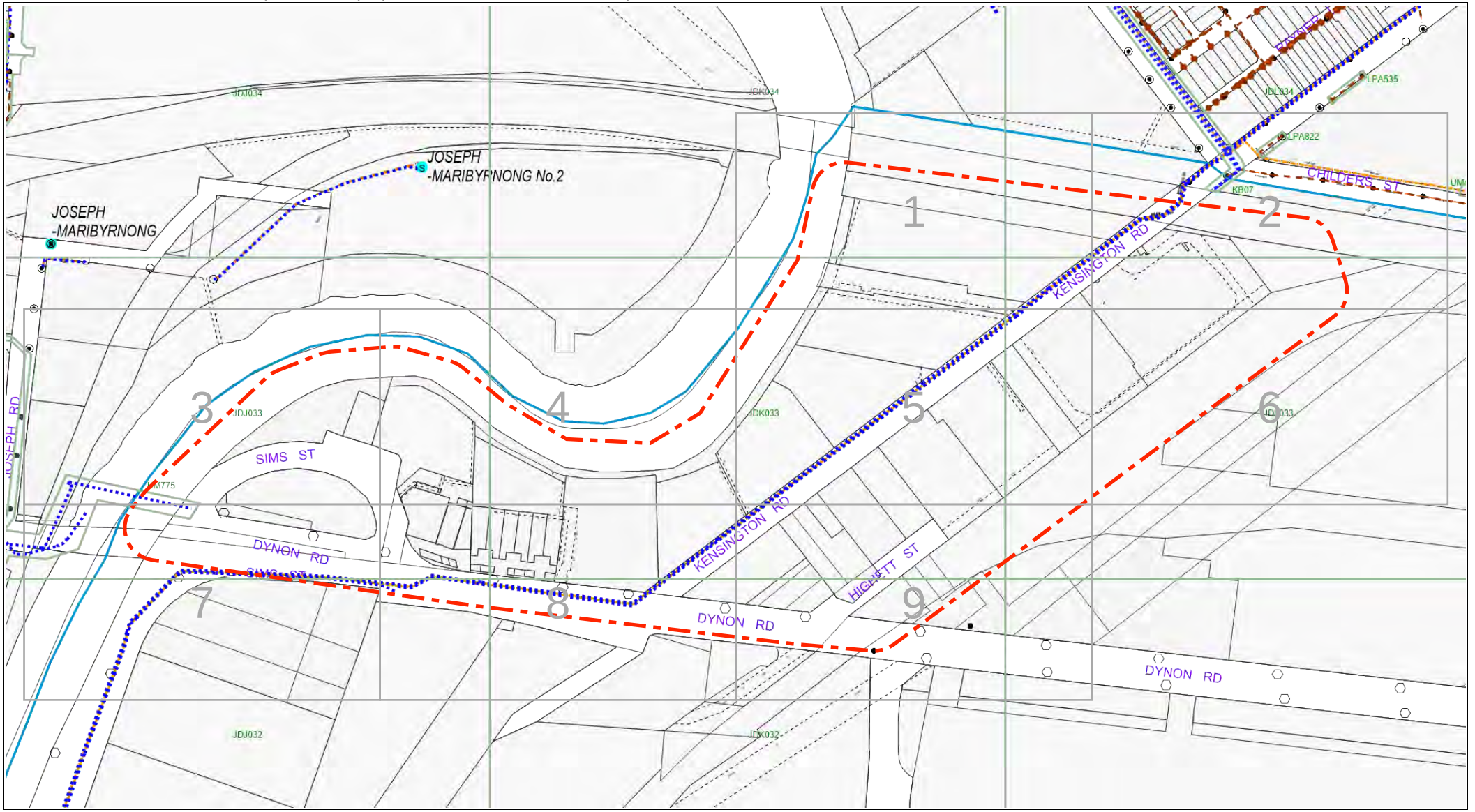
For Underground Electricity Asset location purposes:

Careful Excavation by hand may be performed under a Permit to Work above energised Underground Electricity Assets within the Exclusion Zone
Excavation must cease once either Marker Tape, Cover Slab or top of asset is located. All excavation must be performed BY HAND using only non-powered tools
No disturbance of the Marker Tape, the Protective Cover or the Asset is allowed. Any disturbance must be reported immediately to CitiPower/Powercor

Excavation Below Underground Electricity Assets:

All excavation BELOW Underground Electricity Assets outside of the Exclusion Zone must ensure that there is no disturbance to the asset and that the area is restored to full pre-excavation integrity upon reinstatement

DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation (S)
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:4100

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Overview

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

DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003

Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 1

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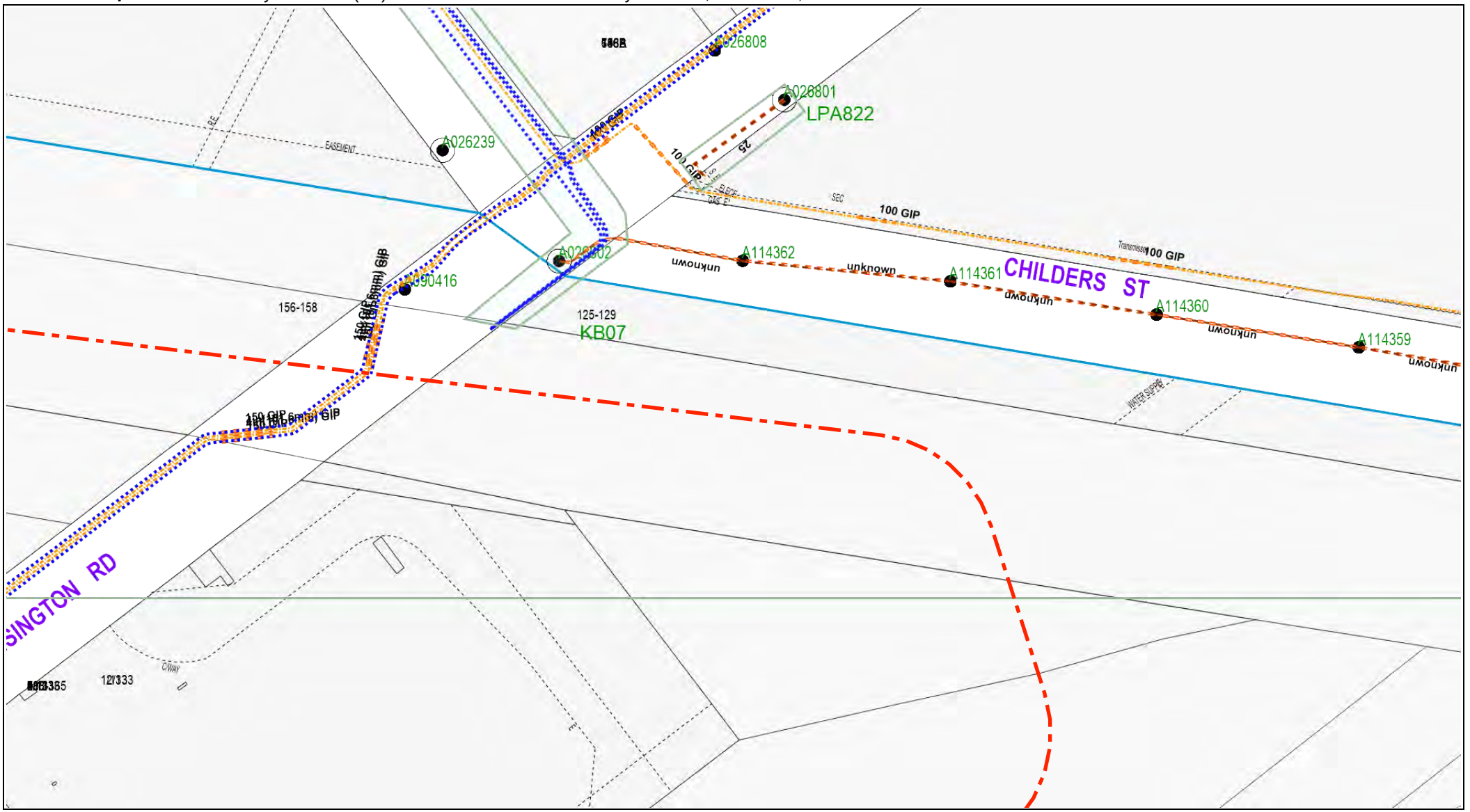

Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 2

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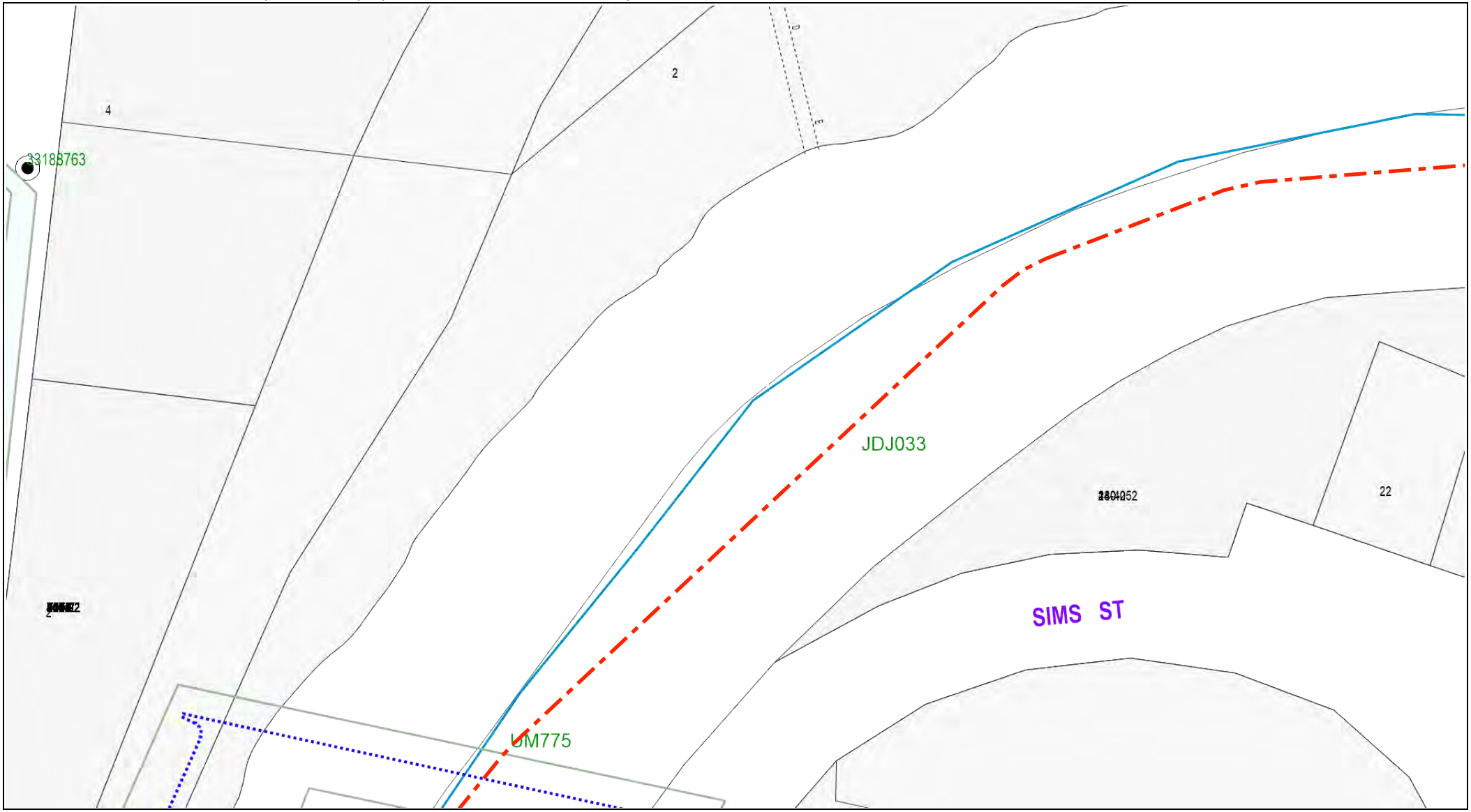
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 3

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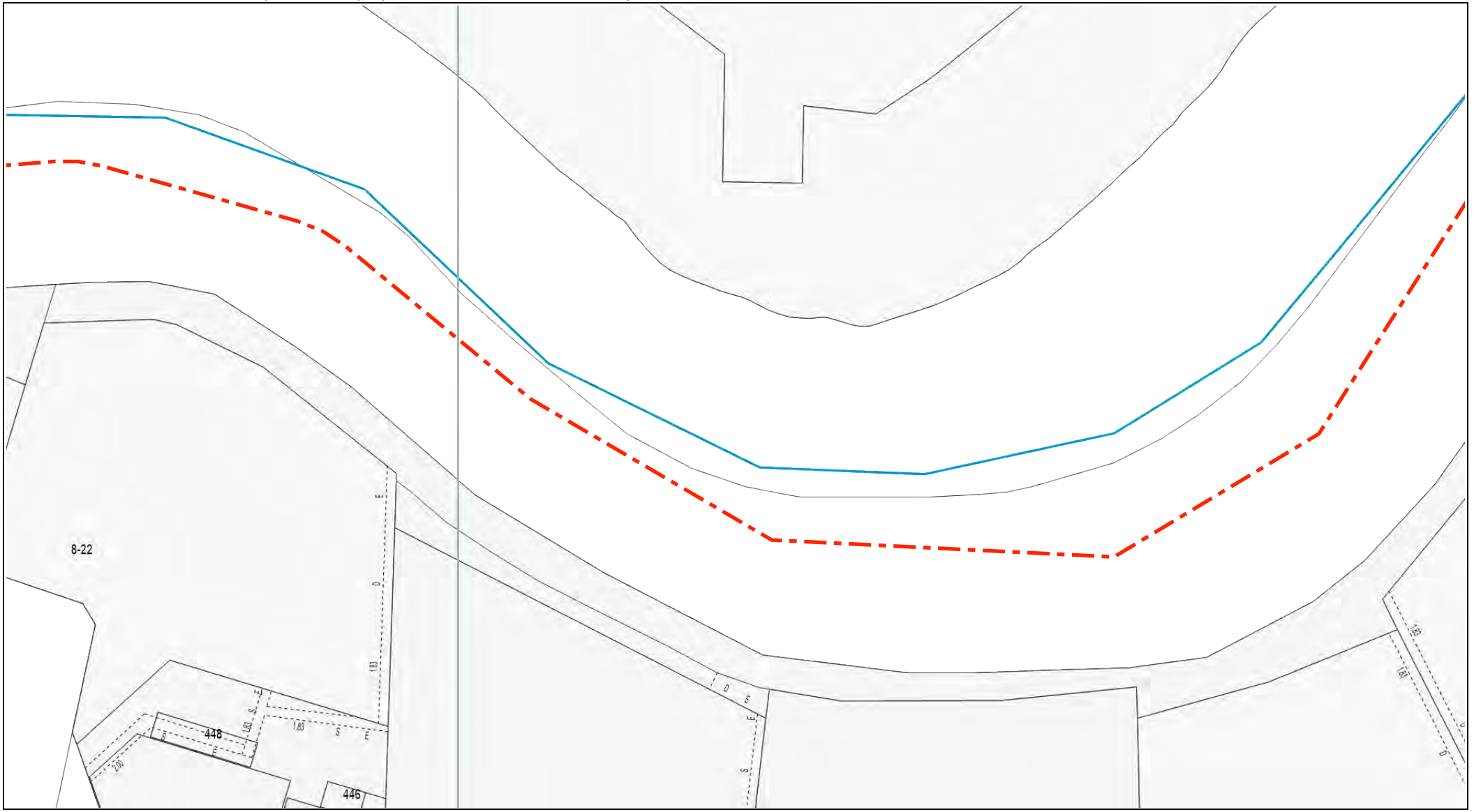
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 4

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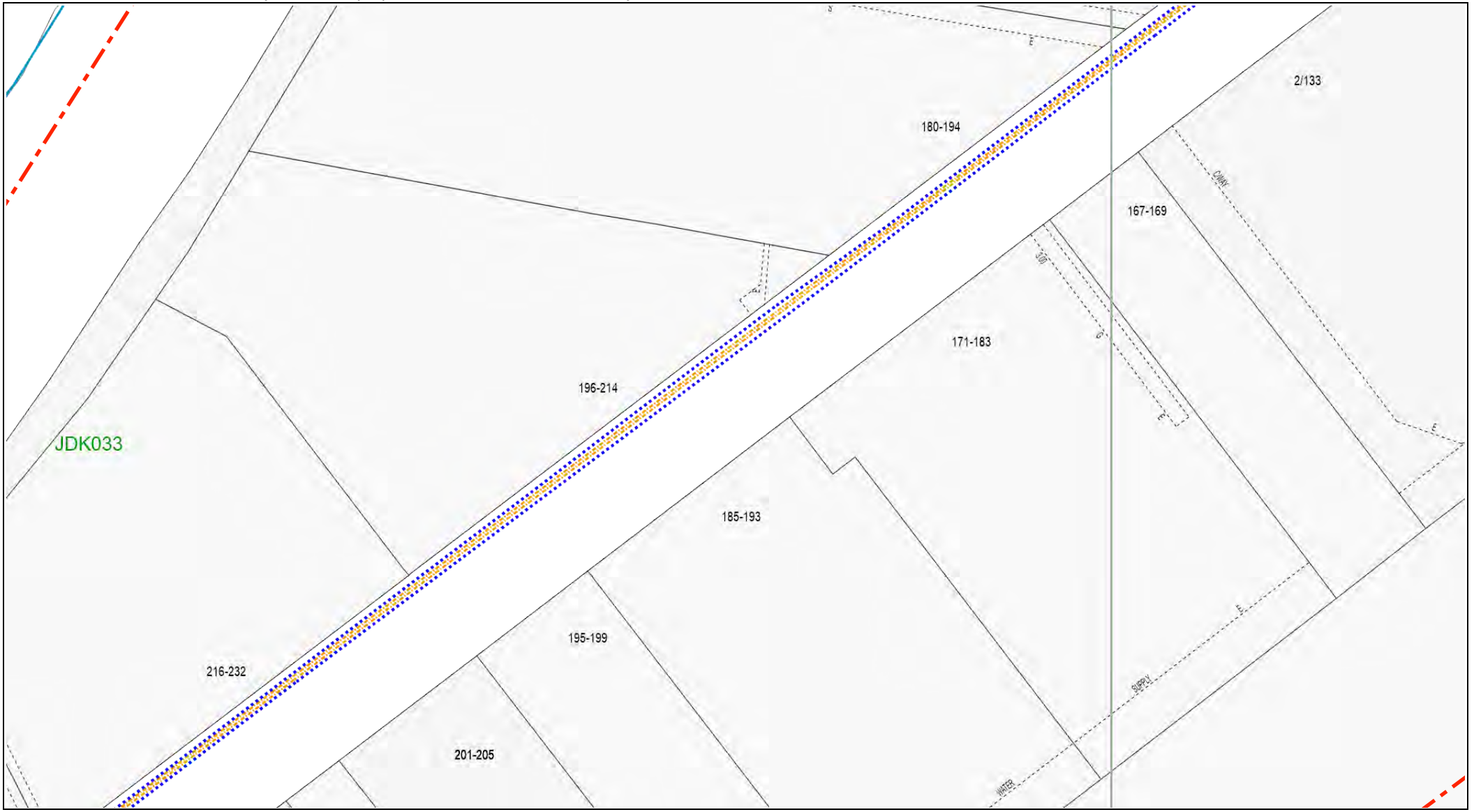
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

LV Cable	Conduit	Drawing Boundary	LV / Lighting Pole	LV / Subtrans. Pole
HV Cable	Asbestos Conduit	Zone Sub. / Terminal Station	LV / HV Pole	LV / HV / Subtrans. Pole
Subtransmission Cable	DBYD Search Area	Distribution Substation	HV Pole	HV / Subtrans. Pole
Fibre Optic / Auxiliary Cable	Connection			Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 5

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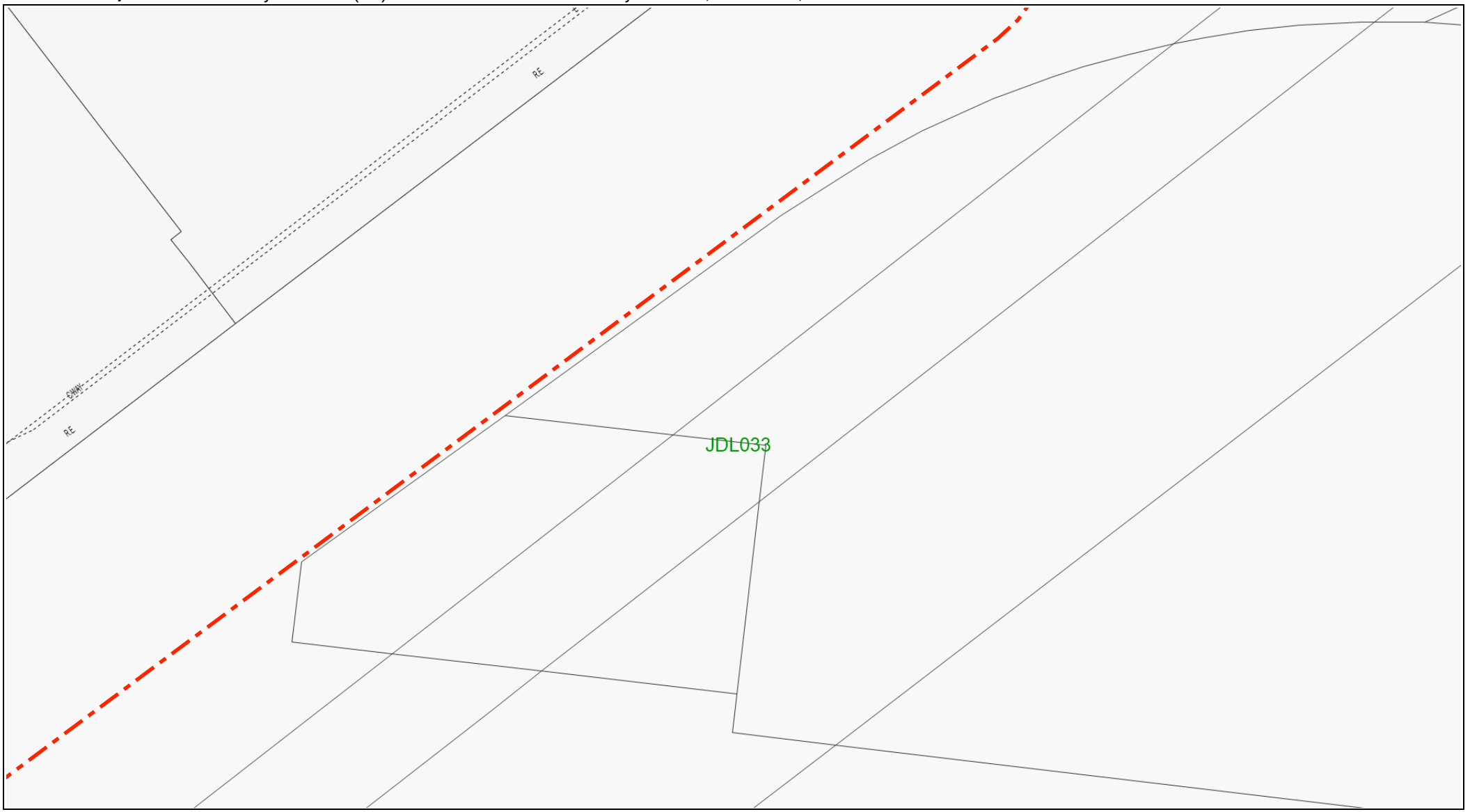
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 6

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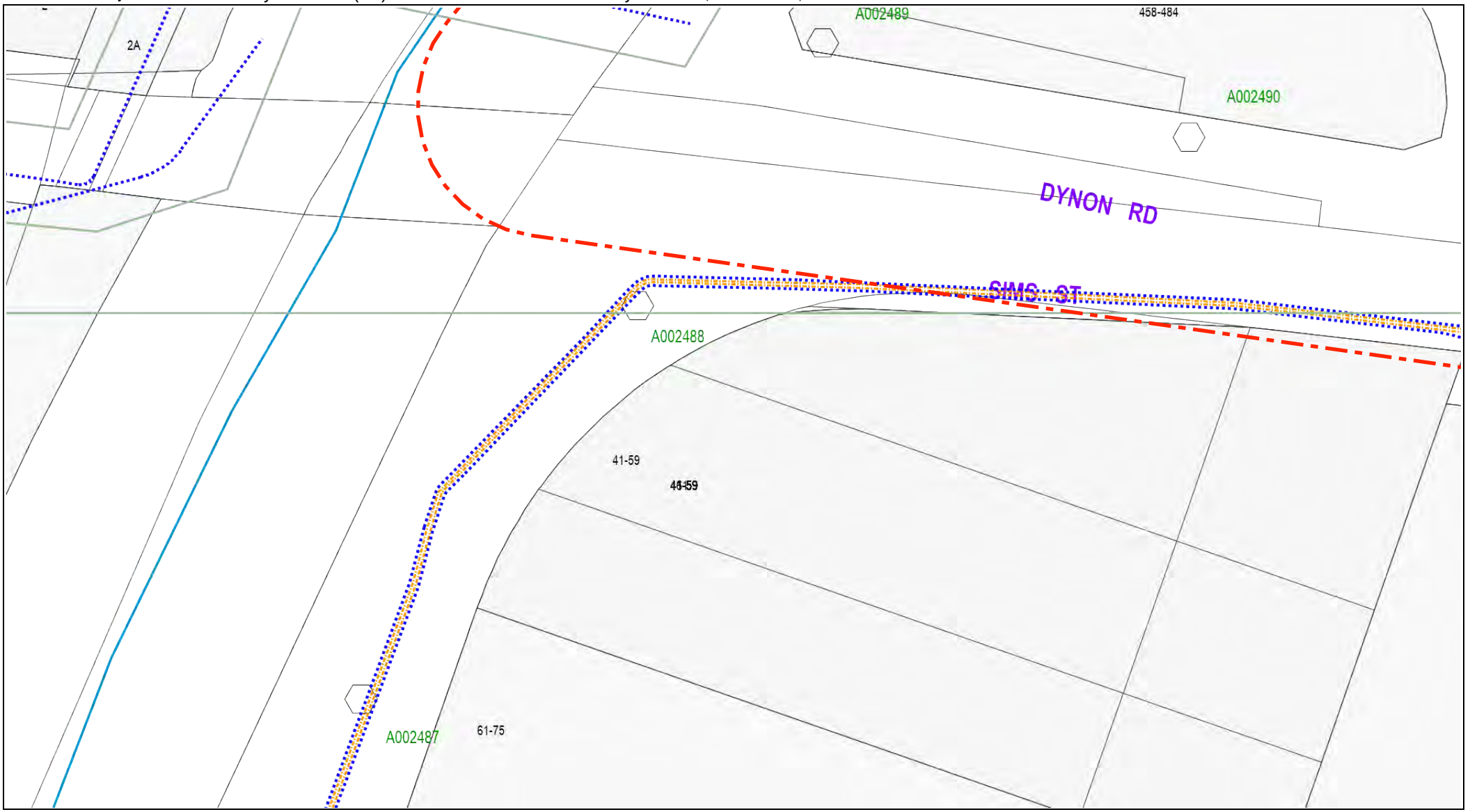
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 7

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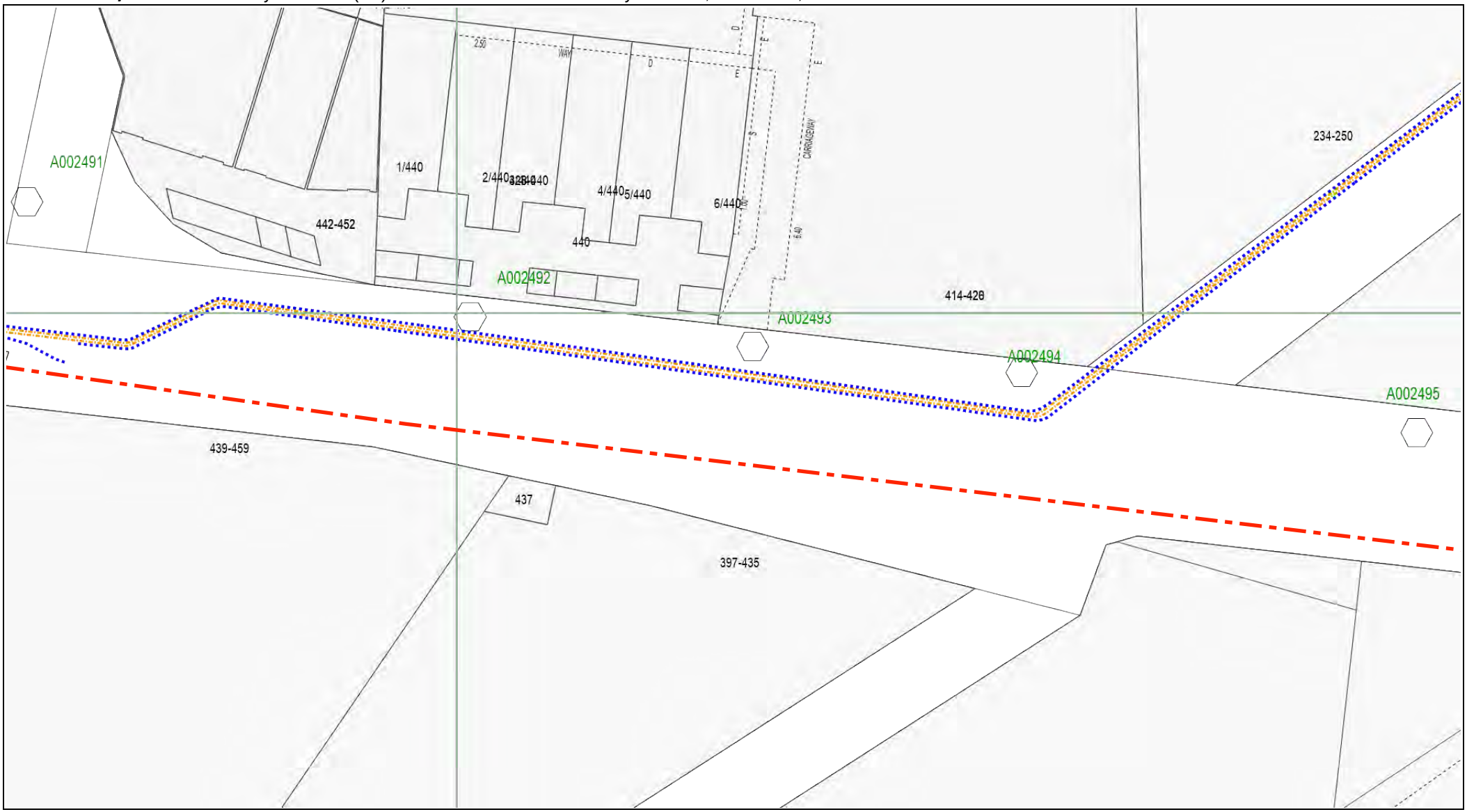
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 8

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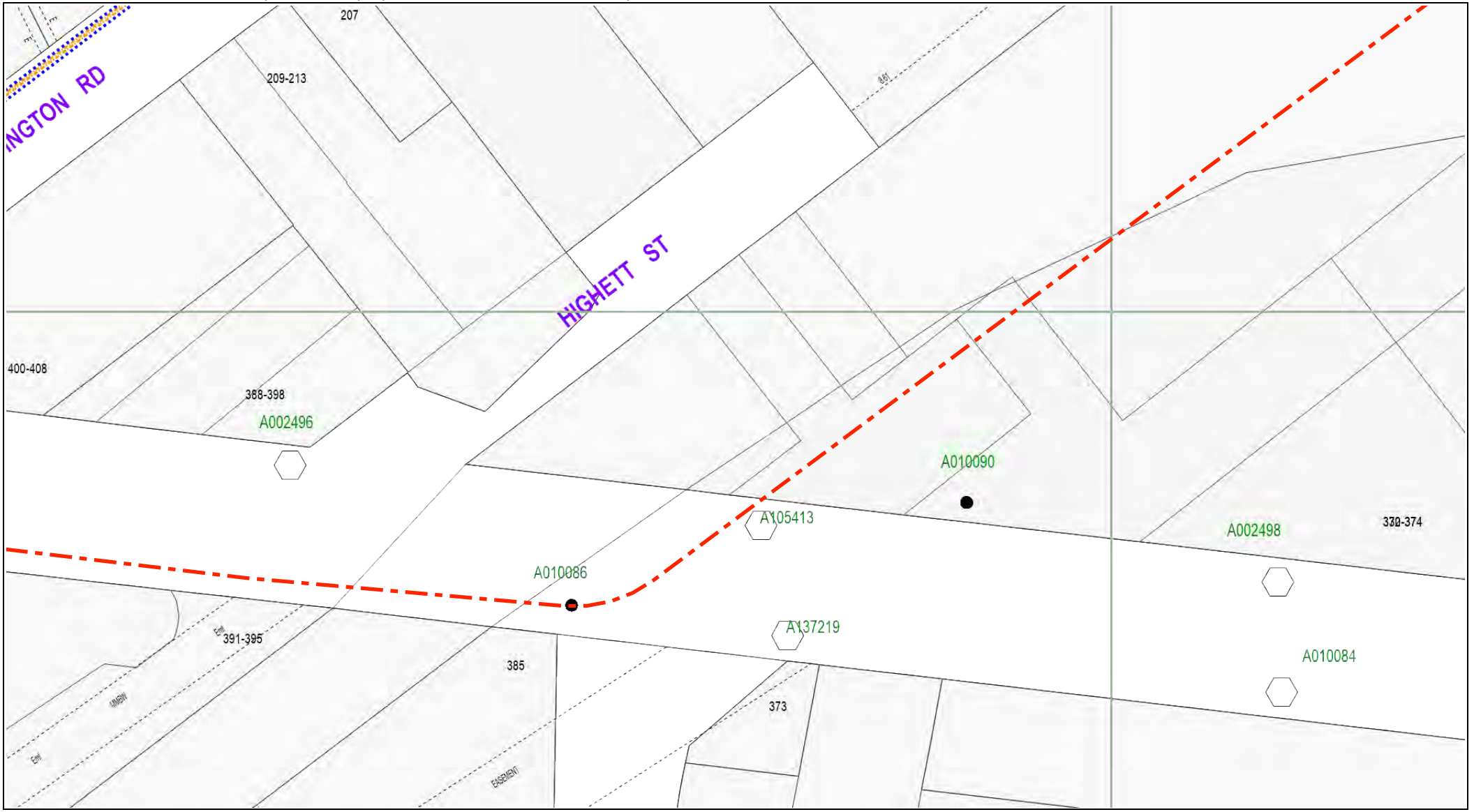
DBYD Authority: Jemena Electricity Networks (Vic) **DBYD Location:** Dynon Road, Melbourne, VIC 3003



Jemena
ABN 82 064 651 083

Legend

- LV Cable
- HV Cable
- Subtransmission Cable
- Fibre Optic / Auxiliary Cable
- Conduit
- Asbestos Conduit
- DBYD Search Area
- Connection
- Drawing Boundary
- Zone Sub. / Terminal Station
- Distribution Substation
- LV / Lighting Pole
- LV / HV Pole
- HV Pole
- LV / Subtrans. Pole
- LV / HV / Subtrans. Pole
- HV / Subtrans. Pole
- Subtrans. Pole

Scale: 1:1000

Issue Date: 05/02/2019
DBYD Seq. No: 79895466
DBYD Job No: 15700409
Tile No: 9

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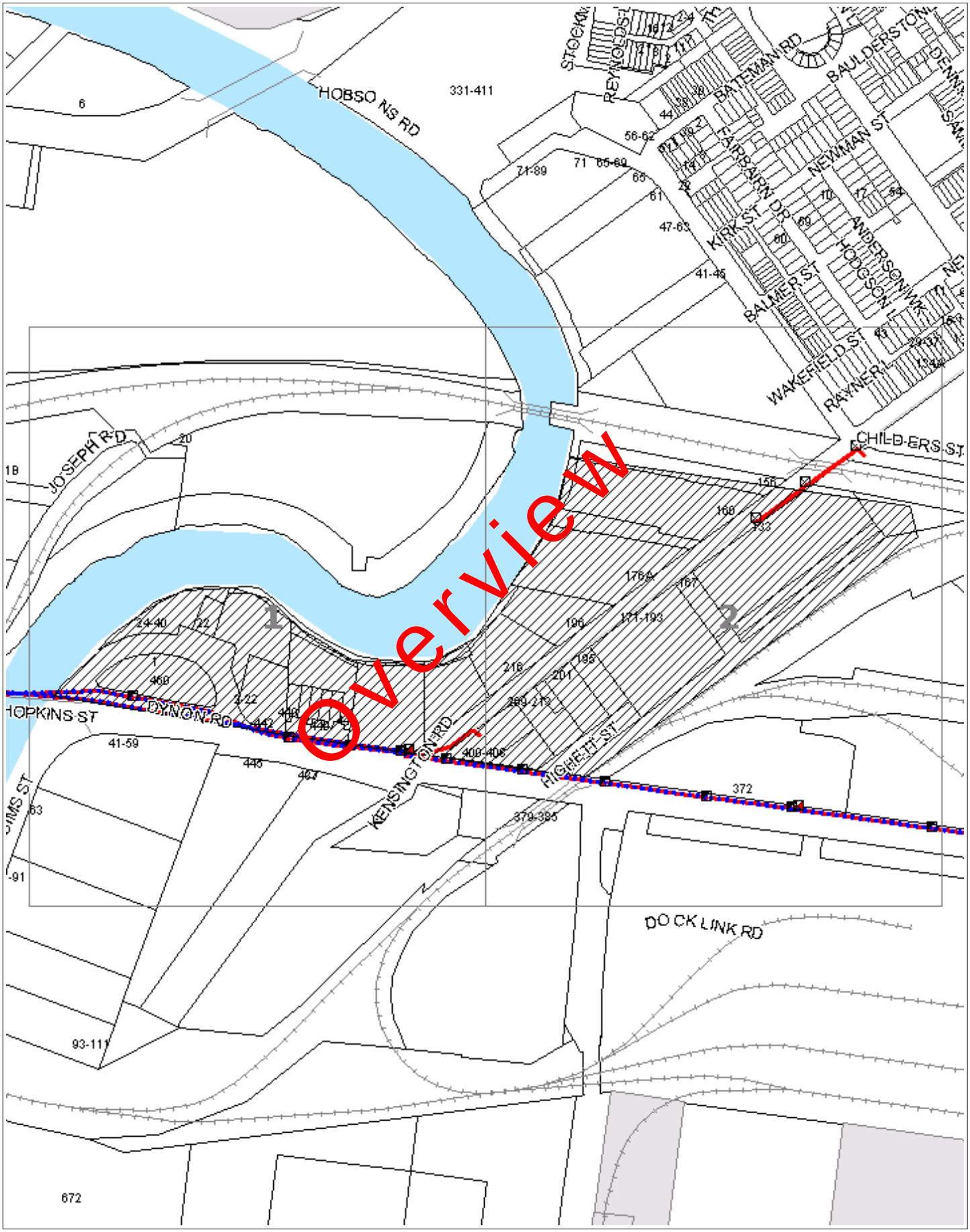

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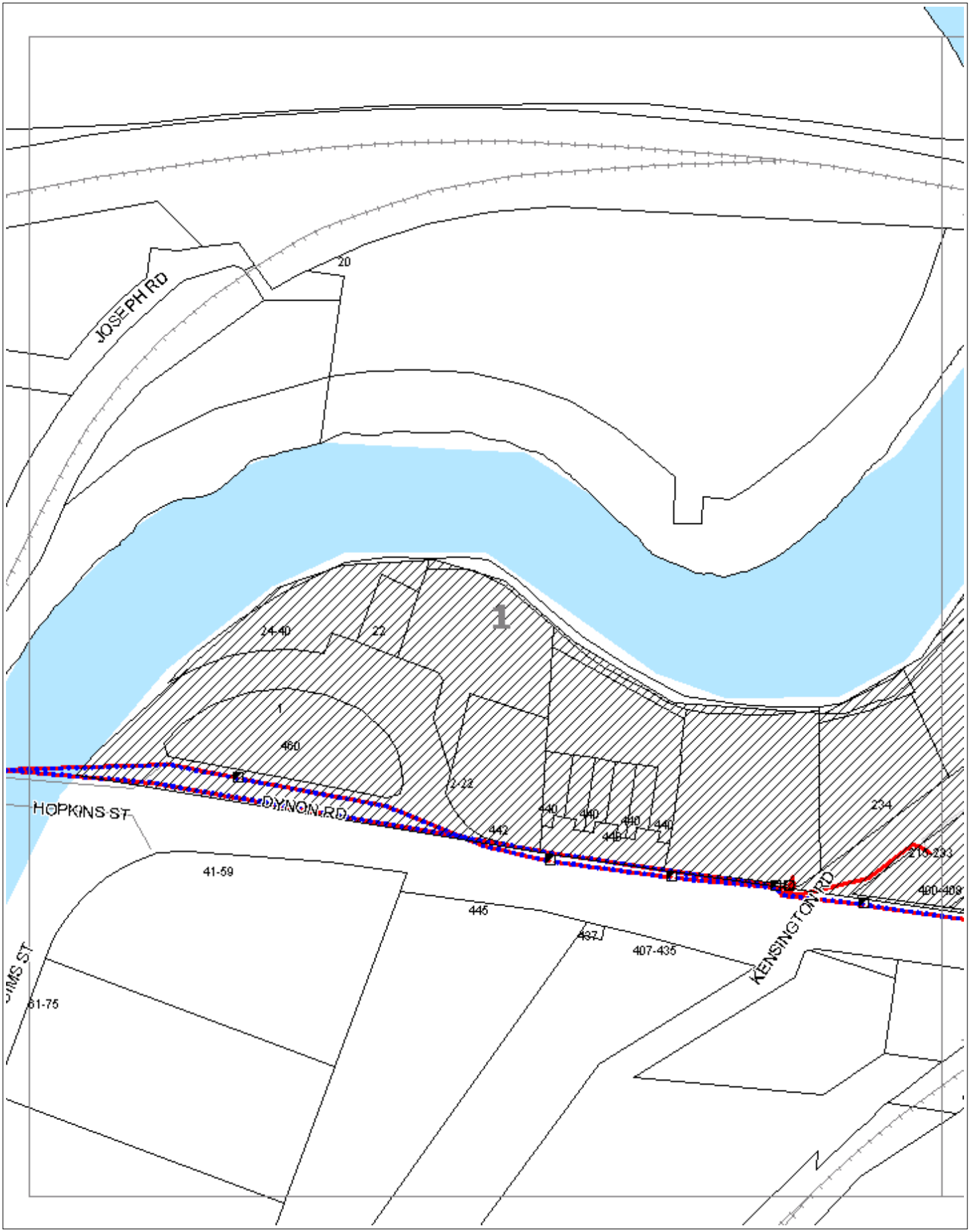
Optus Plans and information supplied are valid for 30 days from the date of issue. If this timeline has elapsed please raise a new enquiry.

Sequence Number: 79895469

Date Generated: 05/02/2019

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



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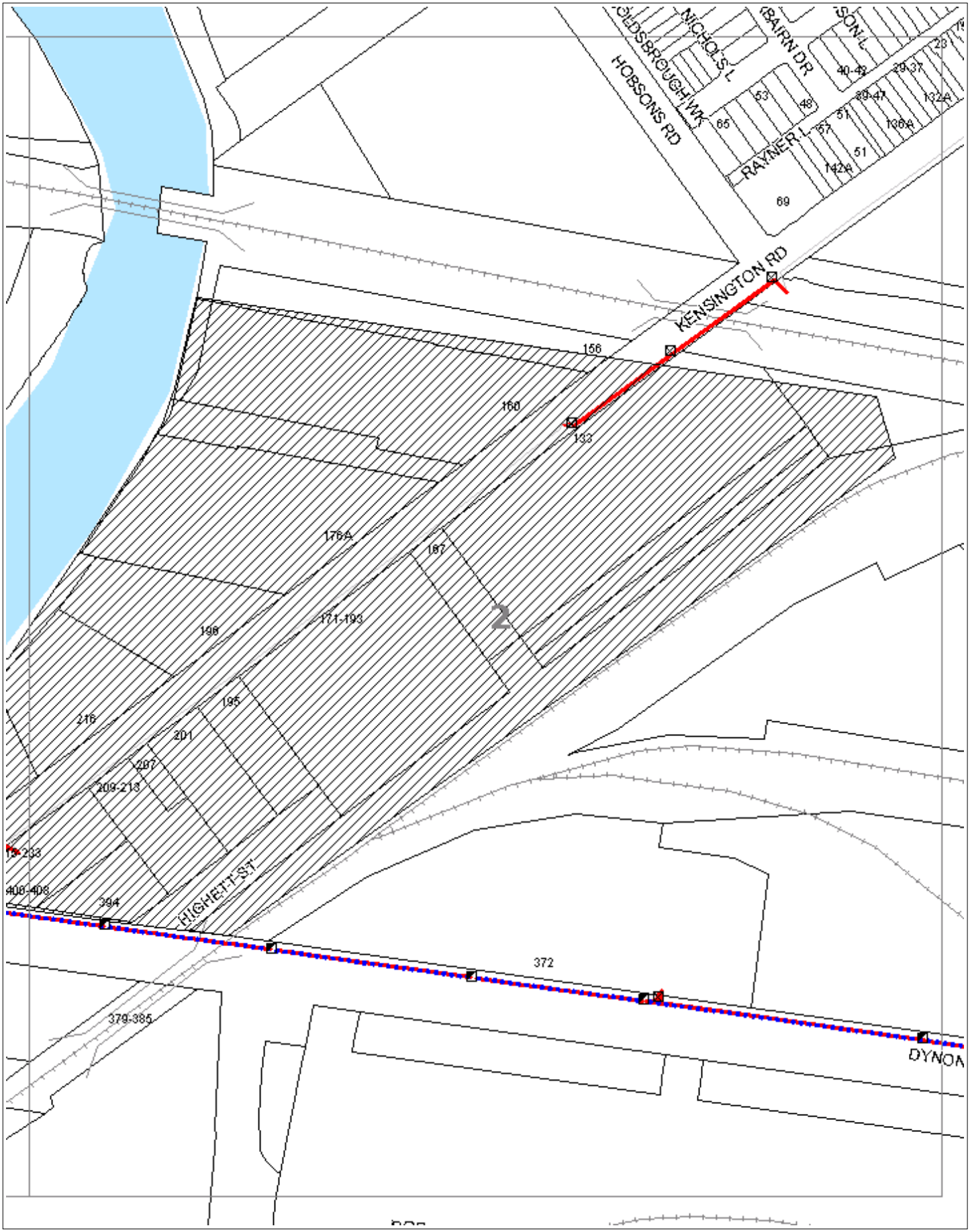

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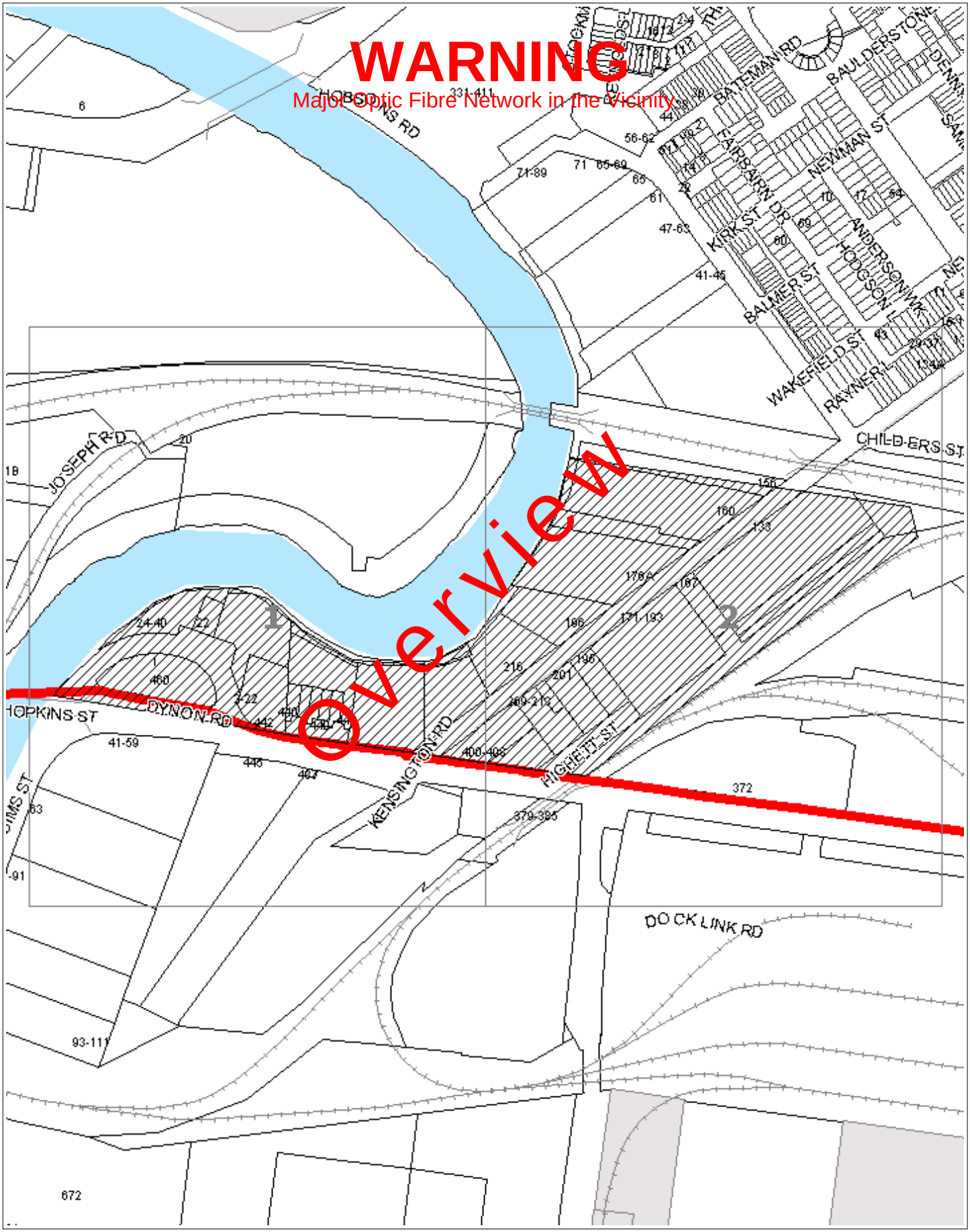

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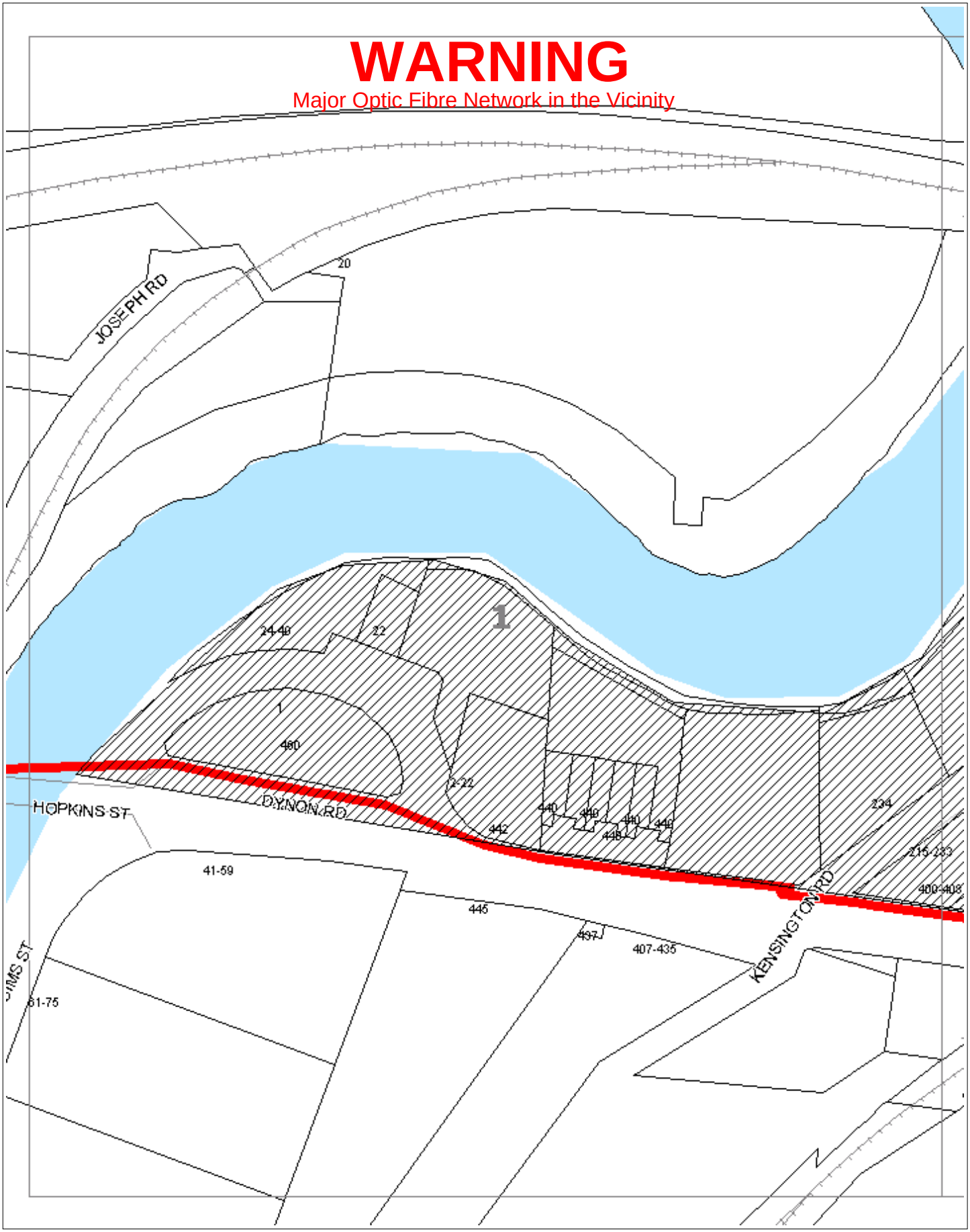
Optus Limited ACN 052 833 208

DIAL BEFORE YOU DIG
www.1100.com.au

WARNING

Major Optic Fibre Network in the Vicinity



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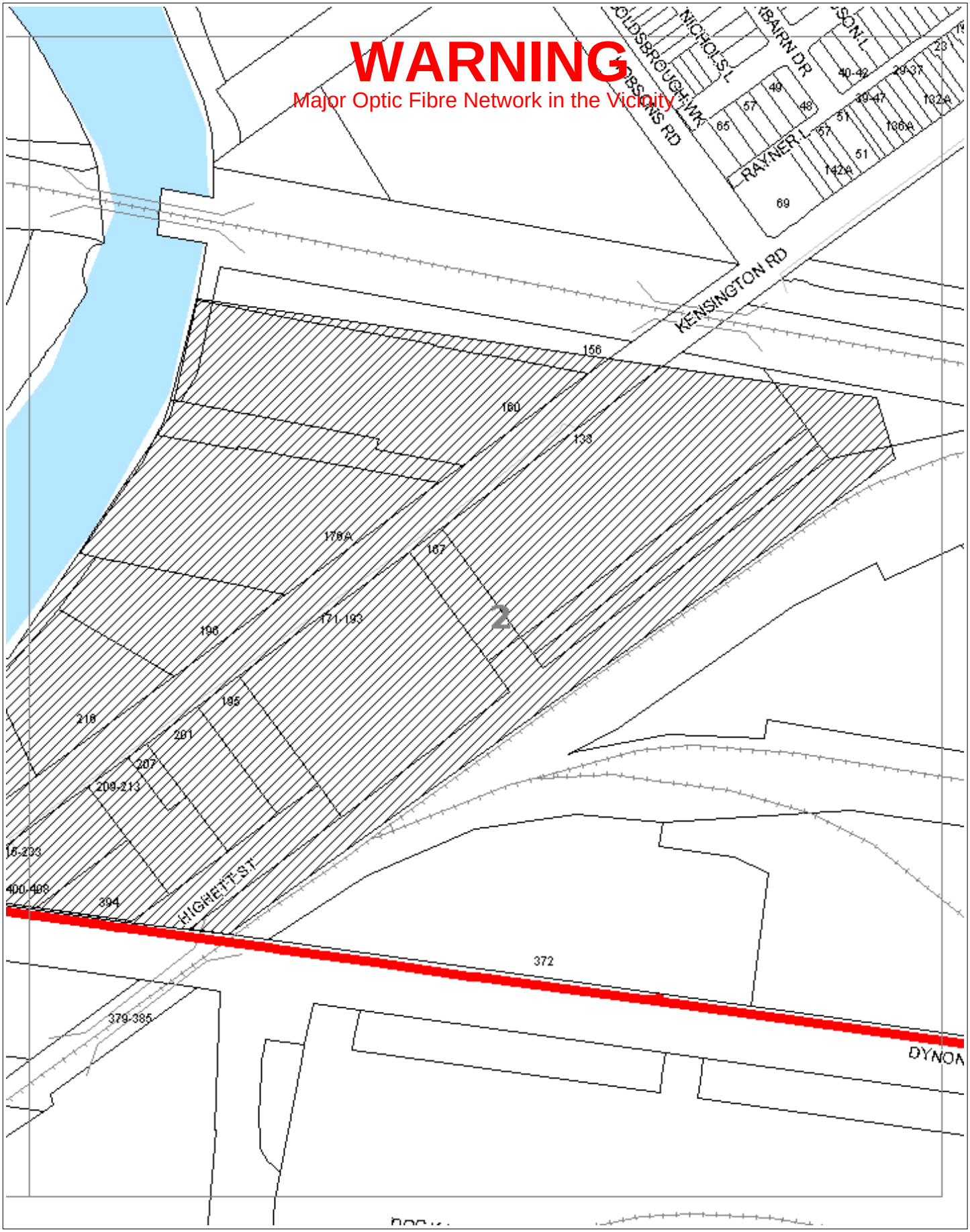

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City West Water

DIAL BEFORE YOU DIG www.1100.com.au

Dial Before You Dig

City West Water Plan Request

Tuesday, 5 February 2019

TO:	Mr Jonathan Goddard 115a Ferrars Street Southbank 3006 VIC	**FROM:**	CWW Dial Before You Dig
EMAIL / FAX:	jgoddard@bluesphere-enviro.com.au 61396994509	**EMAIL:**	connections@citywestwater.com.au

Site Location details:

Dynon Road, Melbourne, VIC, 3003

SEQUENCE NUMBER	JOB NUMBER
79895473	15700409

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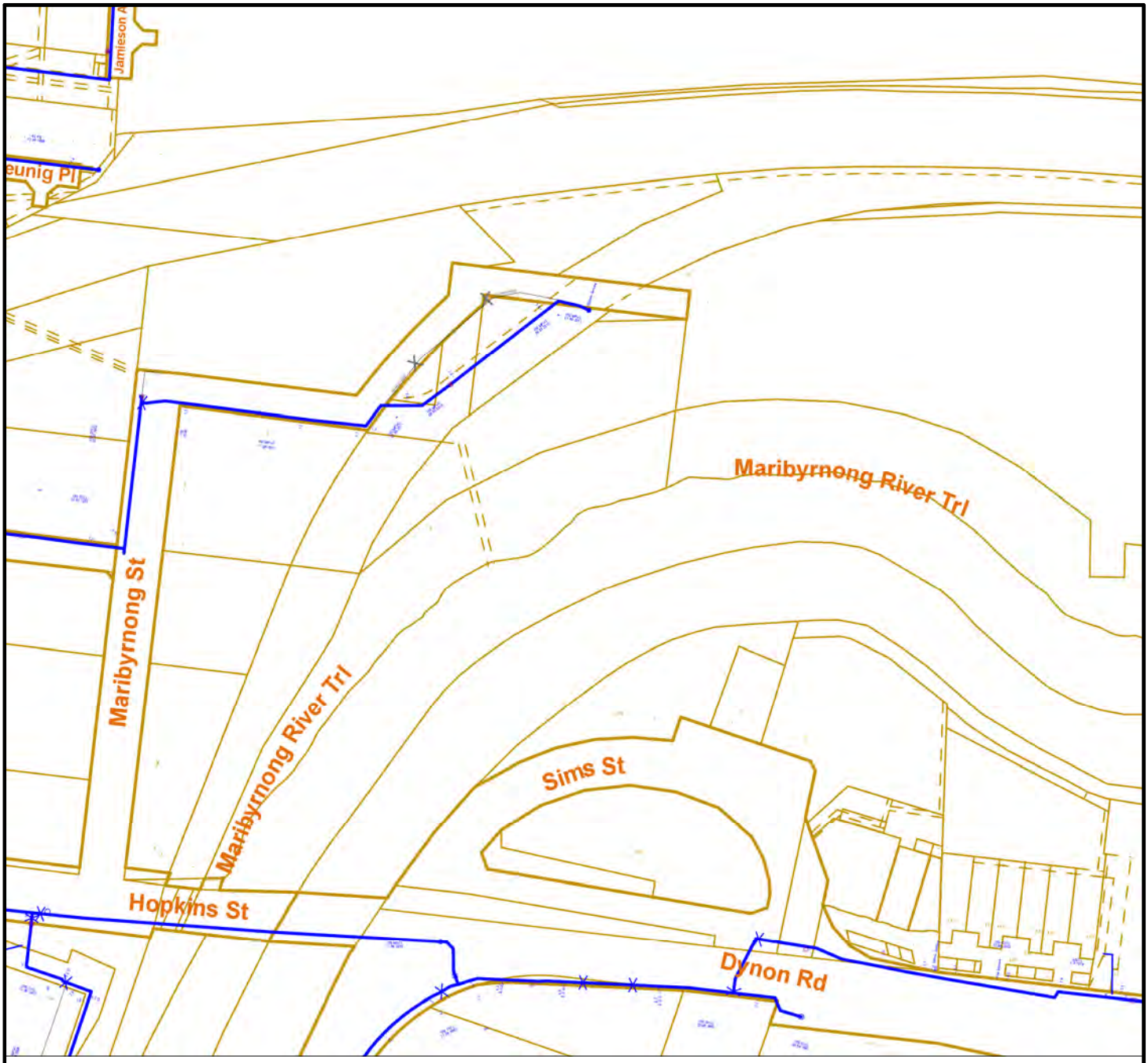

MOCS SEQUENCE No. 15700409:79895473

Dynon Road, Melbourne VIC 3003

Melway Reference: 42F4

City West Water

WATER PLAN

Scale 1: 2577

Date: 05/02/2019

N

LEGEND

Water Main		Valve (or Stop Cock)		Hydrant – City West Water		Hydrant – Valve Controlled	
Transfer Water Main		Air Valve, Shut Valve		Hydrant – Council		Fireplug – Valve Controlled	
Recycled Water Main	R R	Pressure Reducing Valve		Hydrant – Council / Water Authority		Chlorination Installation	
Abandoned Water Main	ABANDONED	Needle Valve, Altitude Valve		Fireplug – City West Water		Electrolysis Installation	
Offset of Water Main		Pressure Sustaining Valve		Fireplug – Council		Recorder – Depth, Pressure, Flow	
Pipe Diameter, Type	100 CICL	Scour, Pumping Point		Fireplug – Council / Water Authority		Dialysis	
Pipe Construction Date	01.01.1900	Manhole		Washout		Insulating Joint	
		Reducer or Taper		Washout – Valve Controlled			

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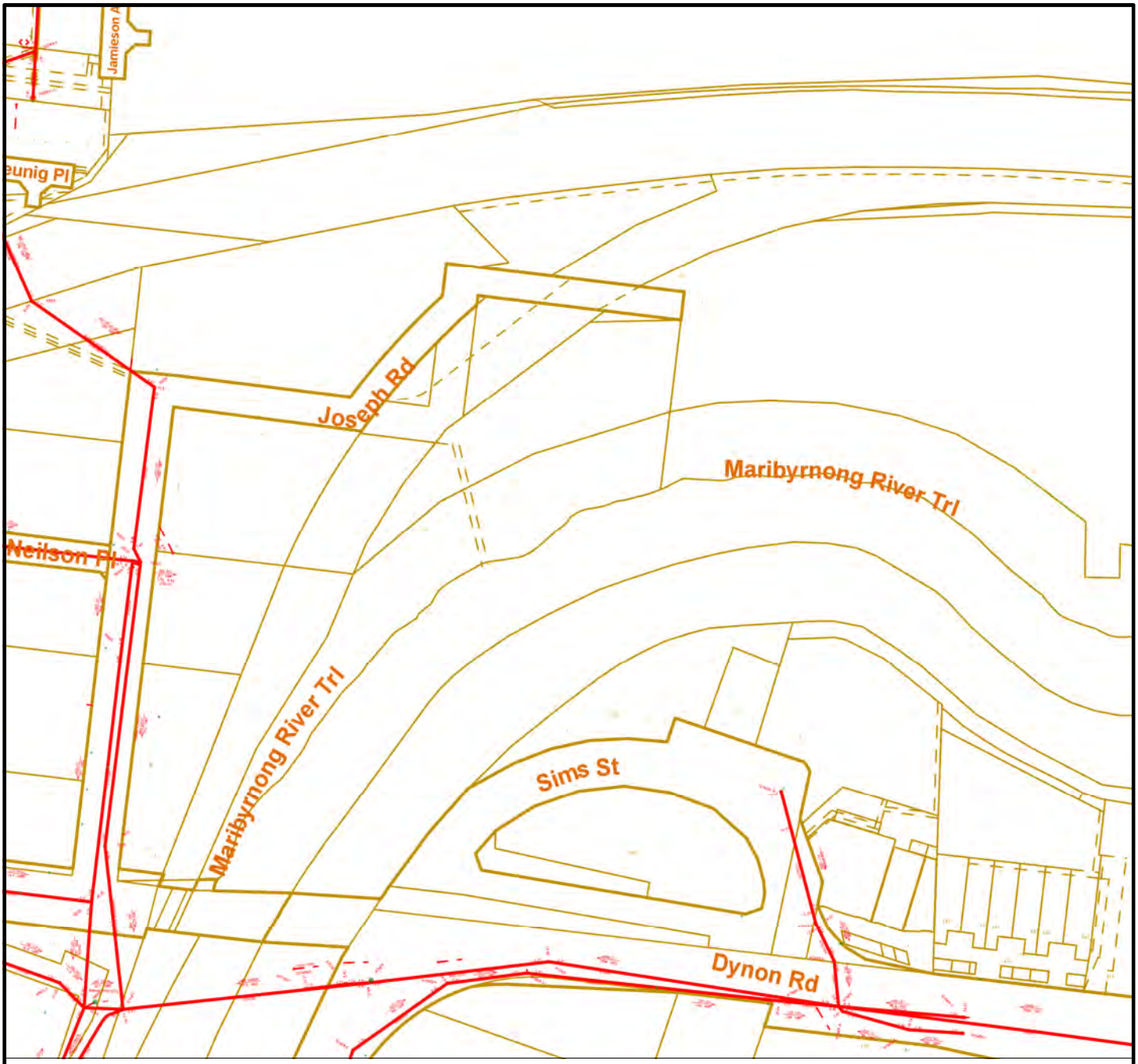

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City West Water

SEWER PLAN

Scale 1: 2577

Date: 05/02/2019

N

LEGEND

Access Shaft		Inspection Shaft		Sewer Main			
Circular Manhole		Circular Pump Well		Abandoned Sewer Main	ABANDONED		
Gas Check Manhole		Vent In-Ground		Direction of Flow			
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City West Water

DIAL BEFORE YOU DIG www.1100.com.au

Dial Before You Dig

City West Water Plan Request

Tuesday, 5 February 2019

TO:	Mr Jonathan Goddard 115a Ferrars Street Southbank 3006 VIC	**FROM:**	CWW Dial Before You Dig
EMAIL / FAX:	jgoddard@bluesphere-enviro.com.au 61396994509	**EMAIL:**	connections@citywestwater.com.au

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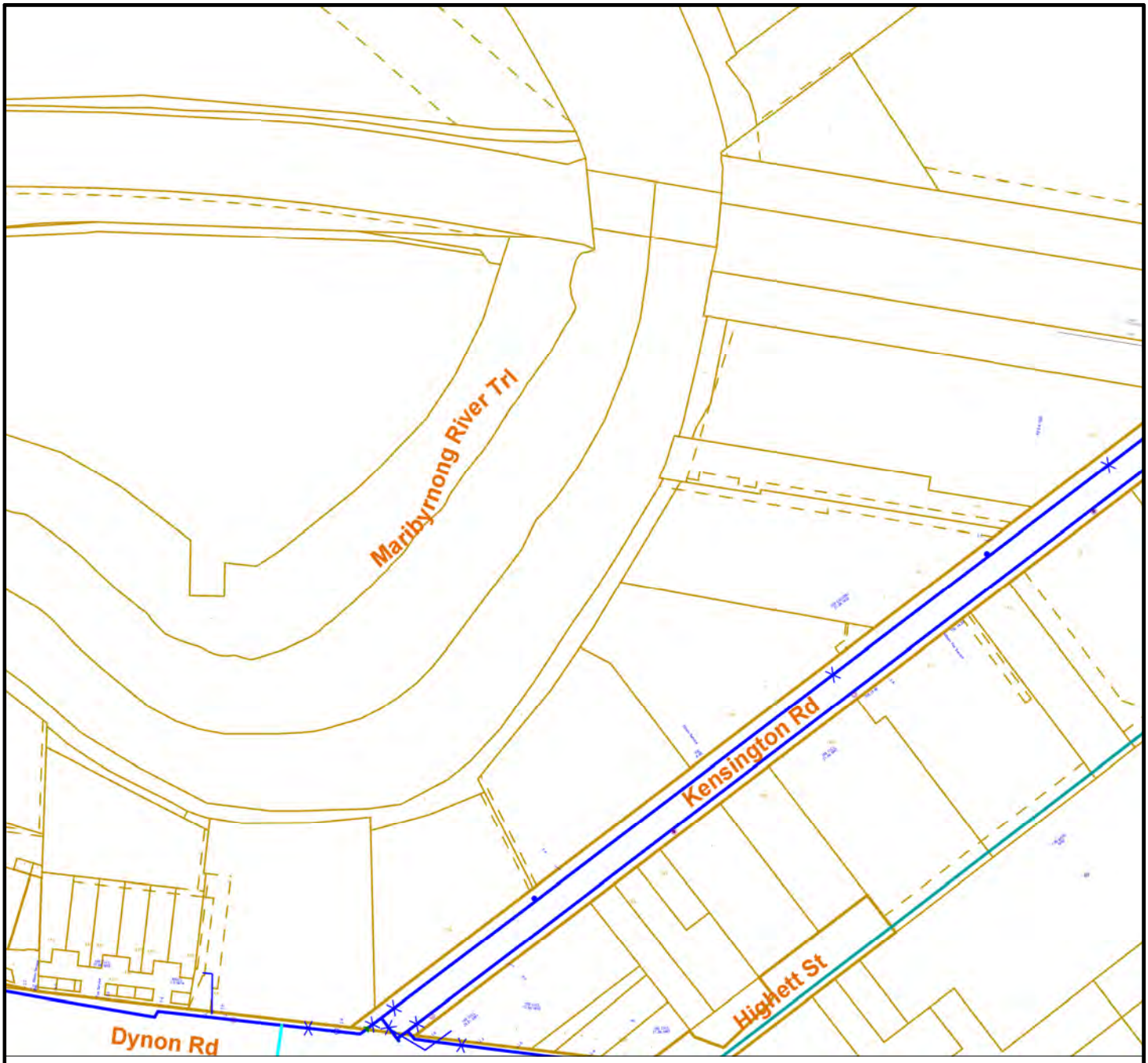

MOCS SEQUENCE No. 15700409:79895473

Dynon Road, Melbourne VIC 3003

Melway Reference: 42G4

City West Water

WATER PLAN

Scale 1: 2577

Date: 05/02/2019

N

LEGEND

Water Main		Valve (or Stop Cock)		Hydrant – City West Water		Hydrant – Valve Controlled	
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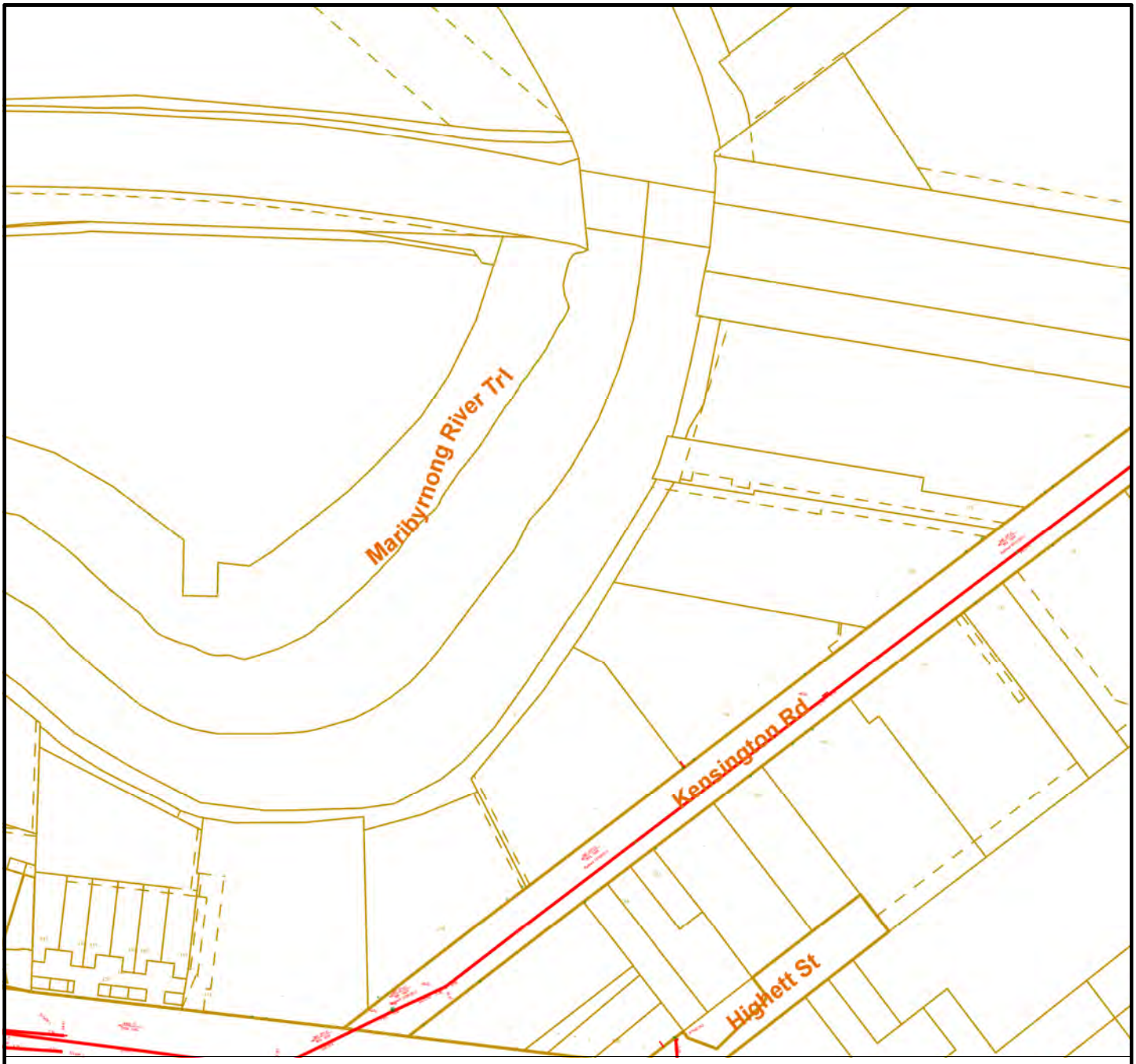

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City West Water

SEWER PLAN

Scale 1: 2577

Date: 05/02/2019

N

LEGEND

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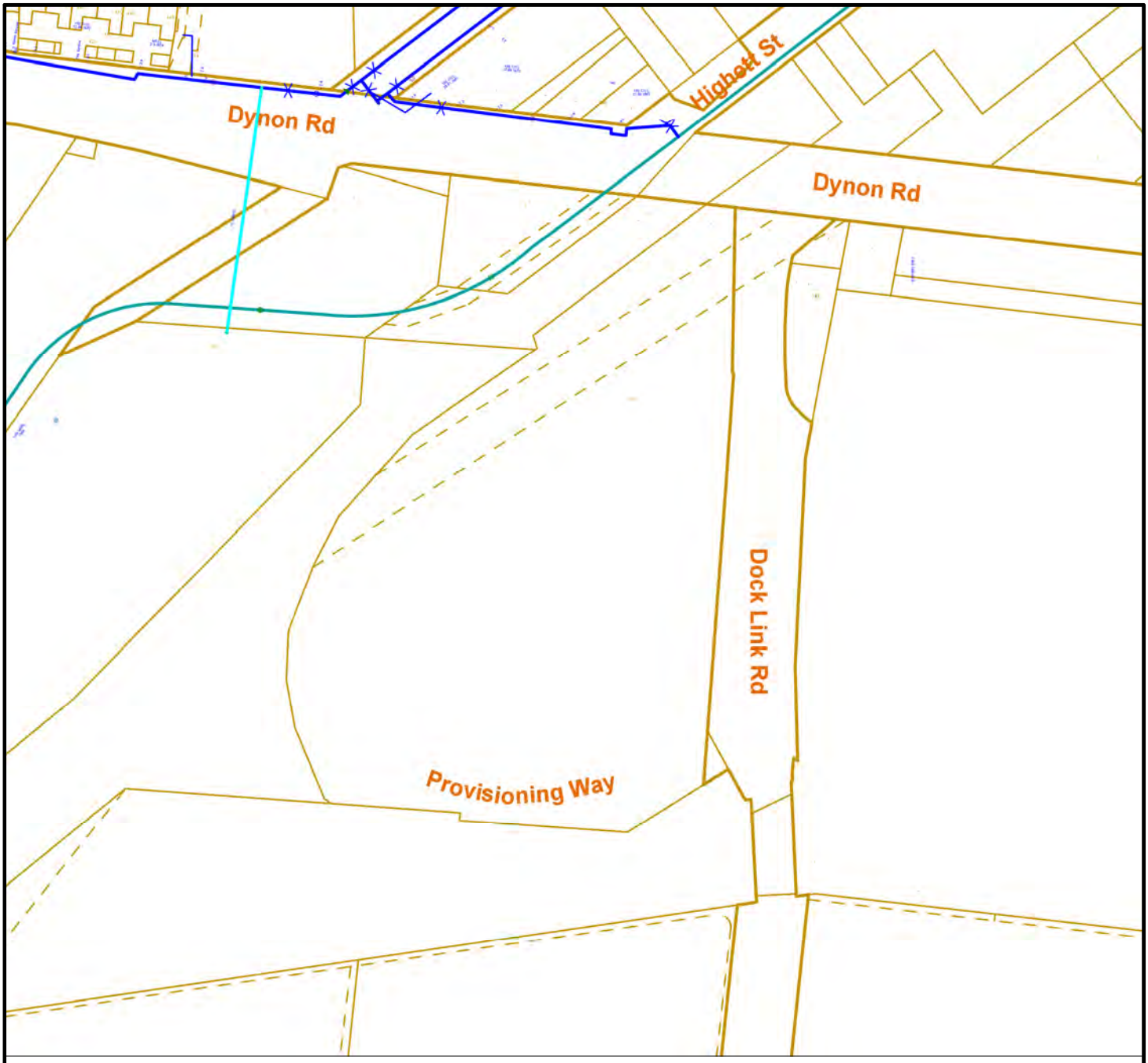

MOCS SEQUENCE No. 15700409:79895473

Dynon Road, Melbourne VIC 3003

Melway Reference: 42G5

City West Water

WATER PLAN

Scale 1: 2577

Date: 05/02/2019

N

LEGEND

Water Main		Valve (or Stop Cock)		Hydrant – City West Water		Hydrant – Valve Controlled	
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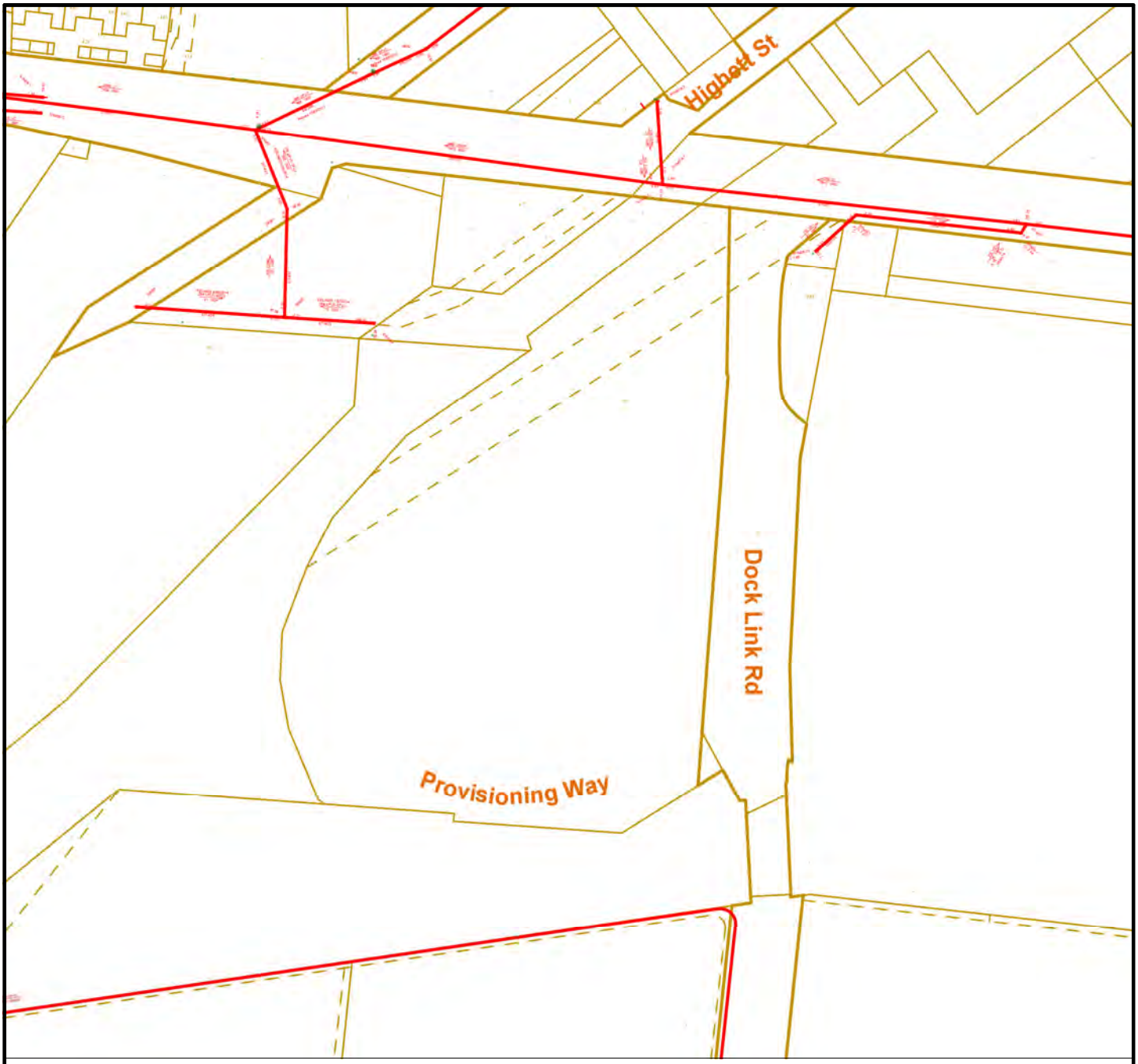

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City West Water

SEWER PLAN

Scale 1: 2577

Date: 05/02/2019

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LEGEND

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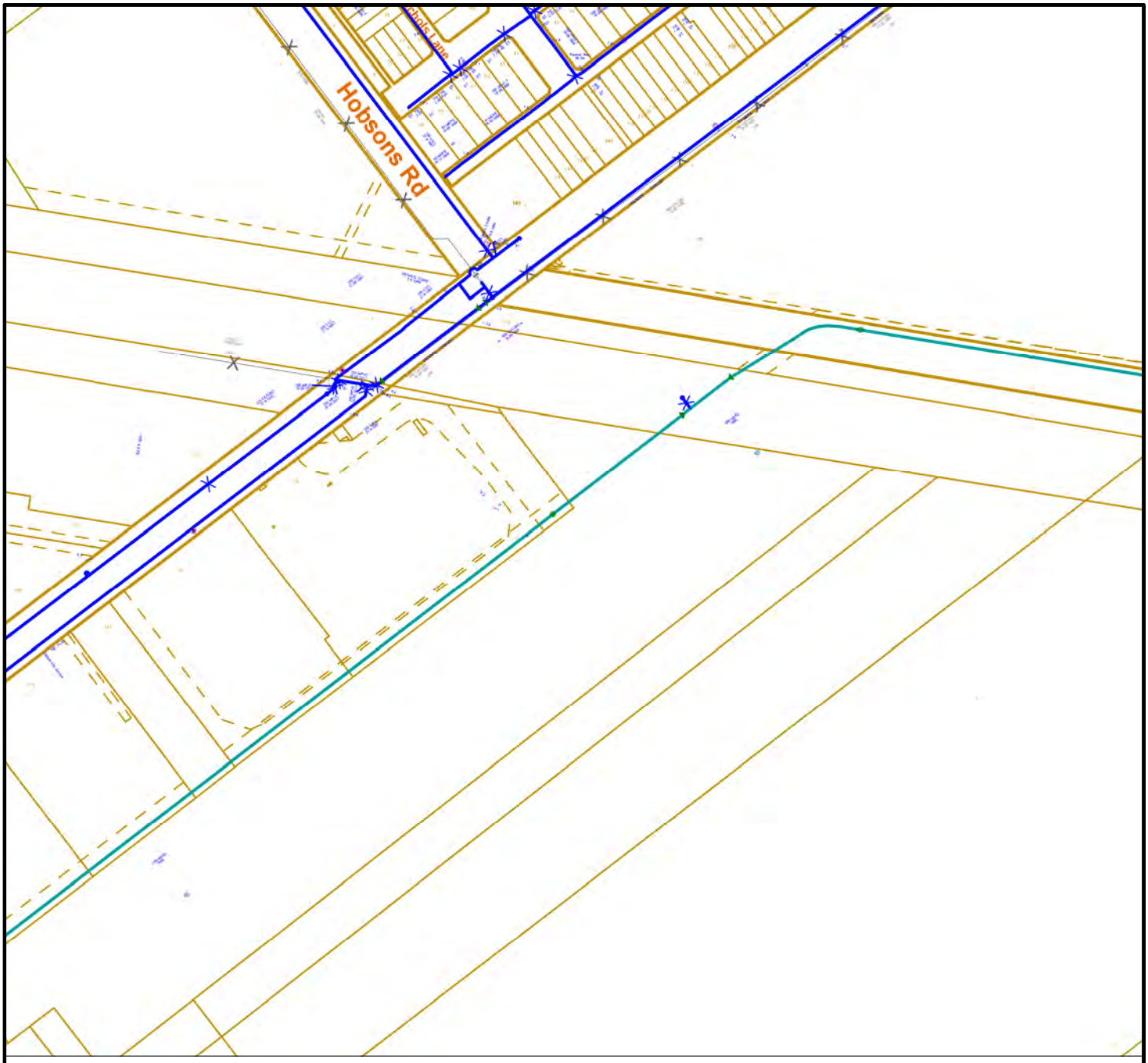

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Dynon Road, Melbourne VIC 3003

Melway Reference: 42H4

City West Water

WATER PLAN

Scale 1: 2577

Date: 05/02/2019

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LEGEND

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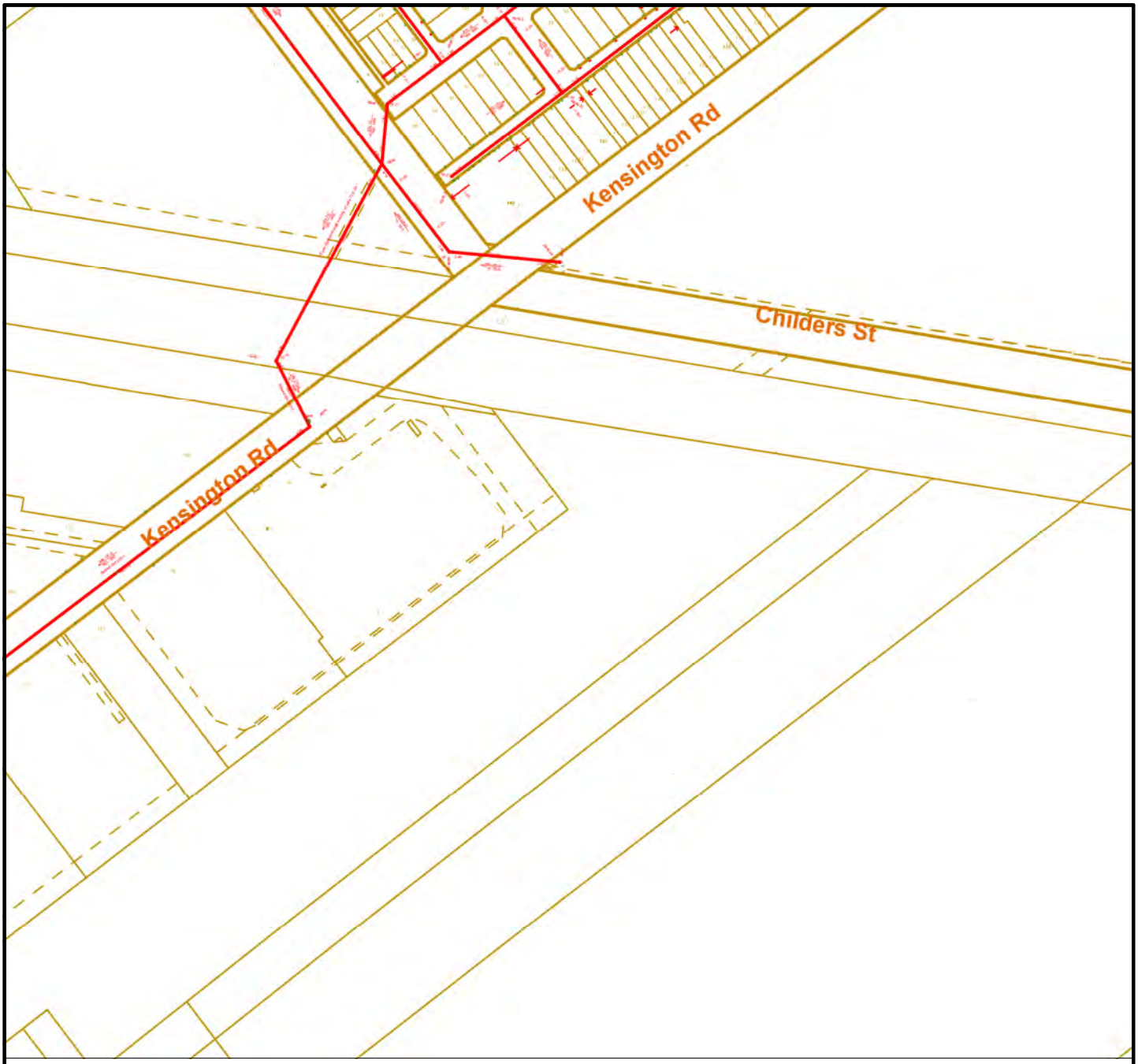

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SEWER PLAN

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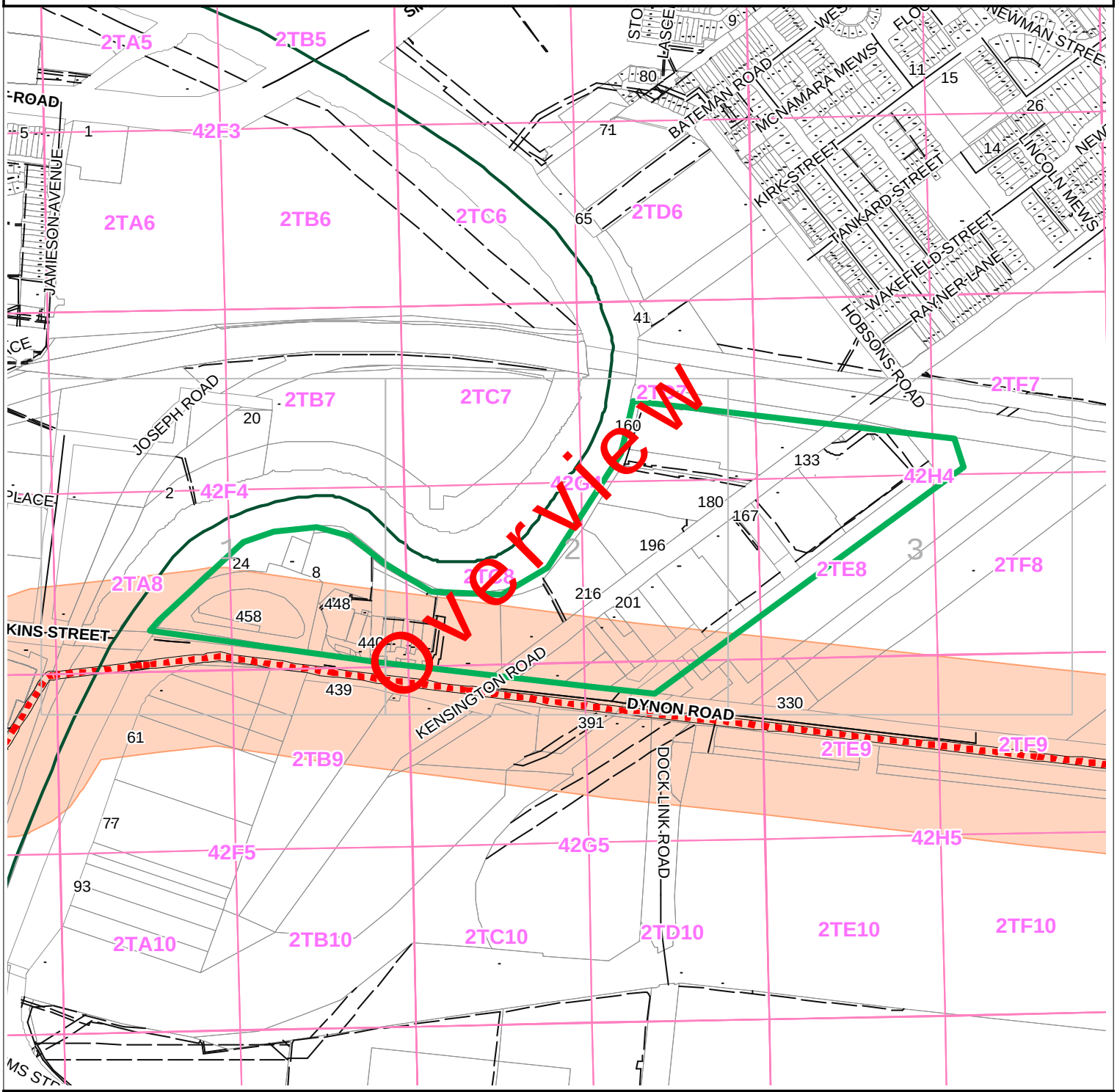
DBYD Sequence Number: 79895475
DBYD Job No. 15700409



Address: Dynon Road, Melbourne, VIC, 3003
Map Ref: Melways 42F4, 42G4, 42G5, 42H4
Date Supplied: 05/02/2019

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
X House number unknown
345F4 VicRoads map reference
27D4 Melway map reference

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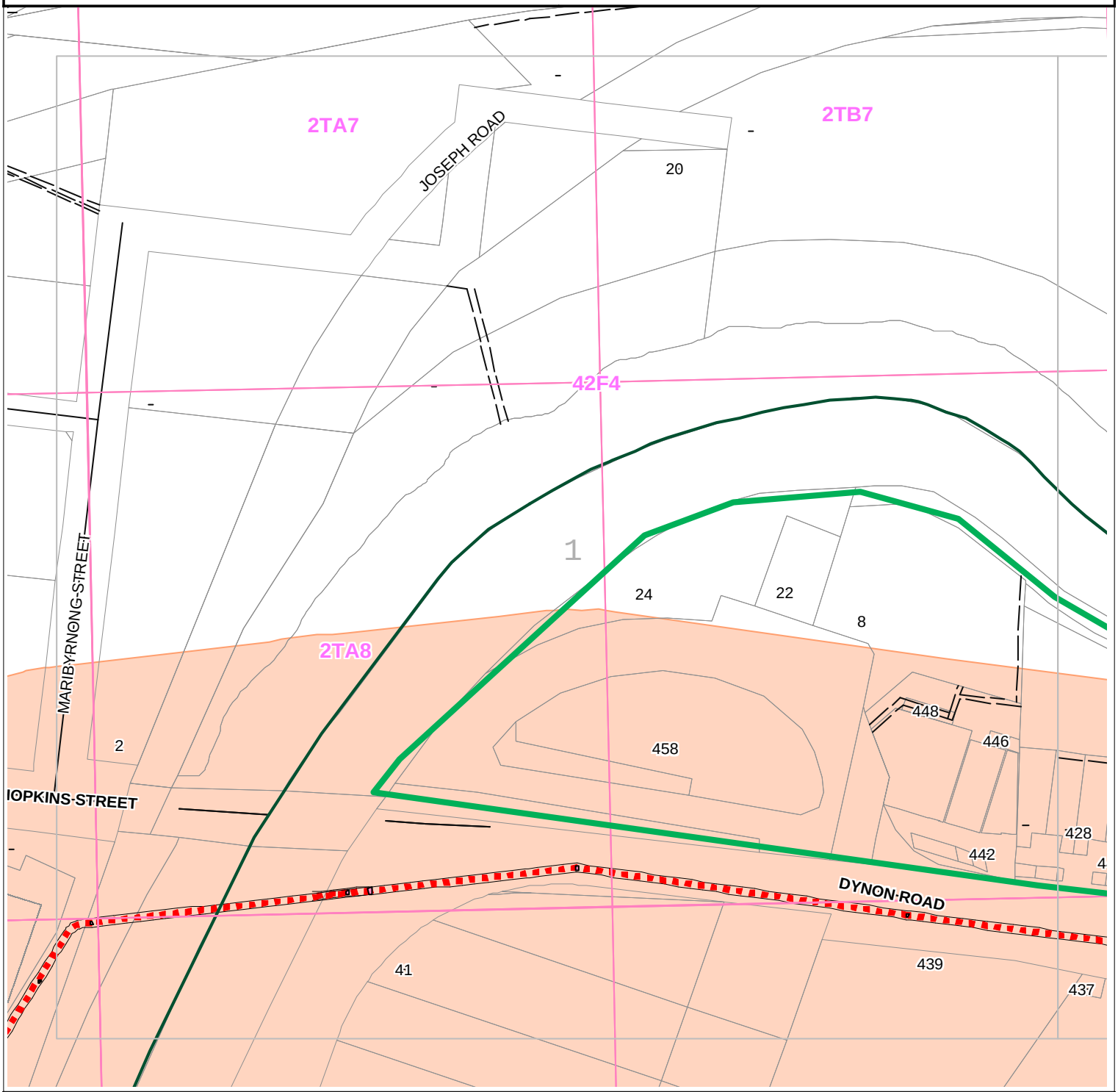

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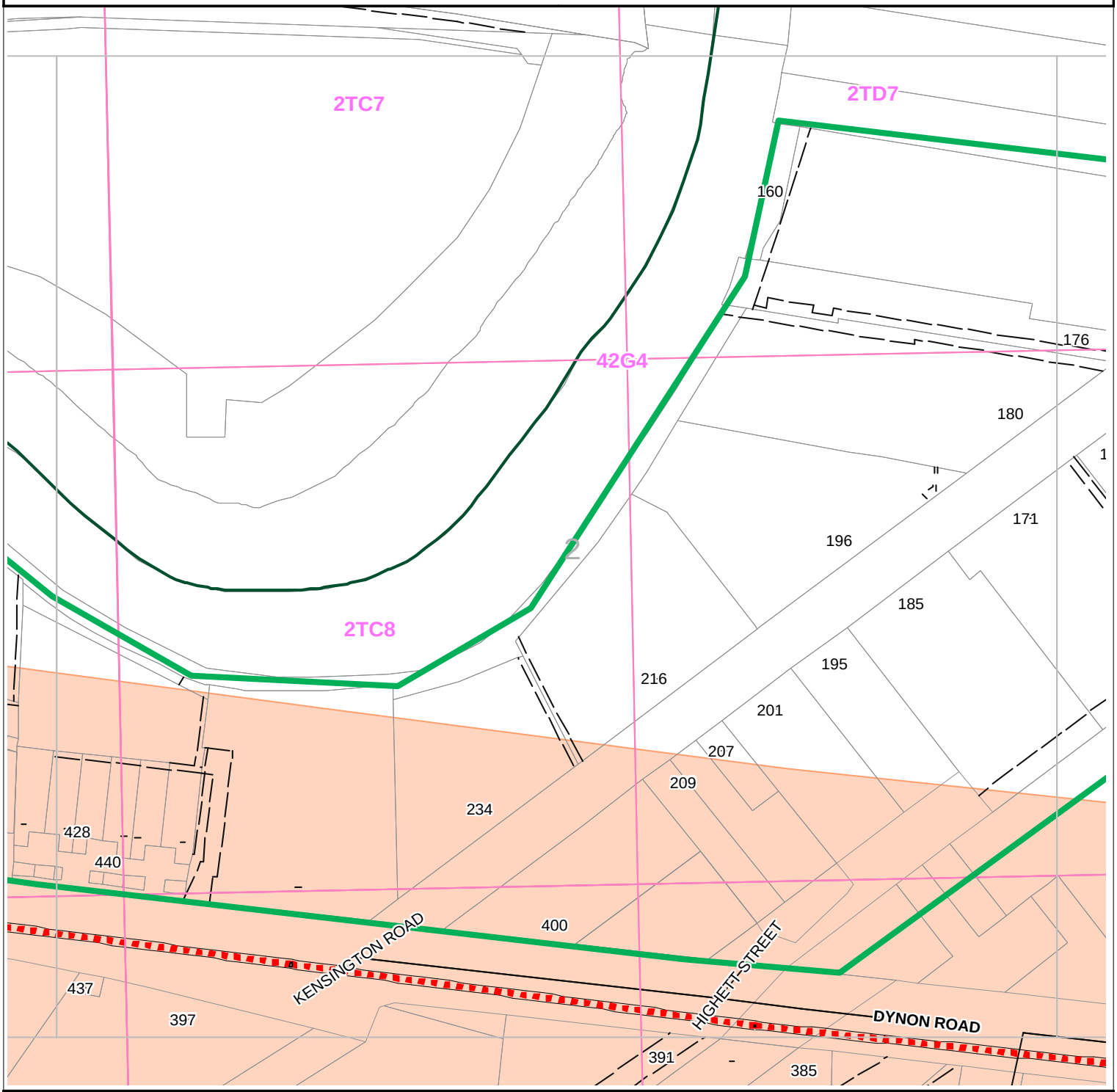

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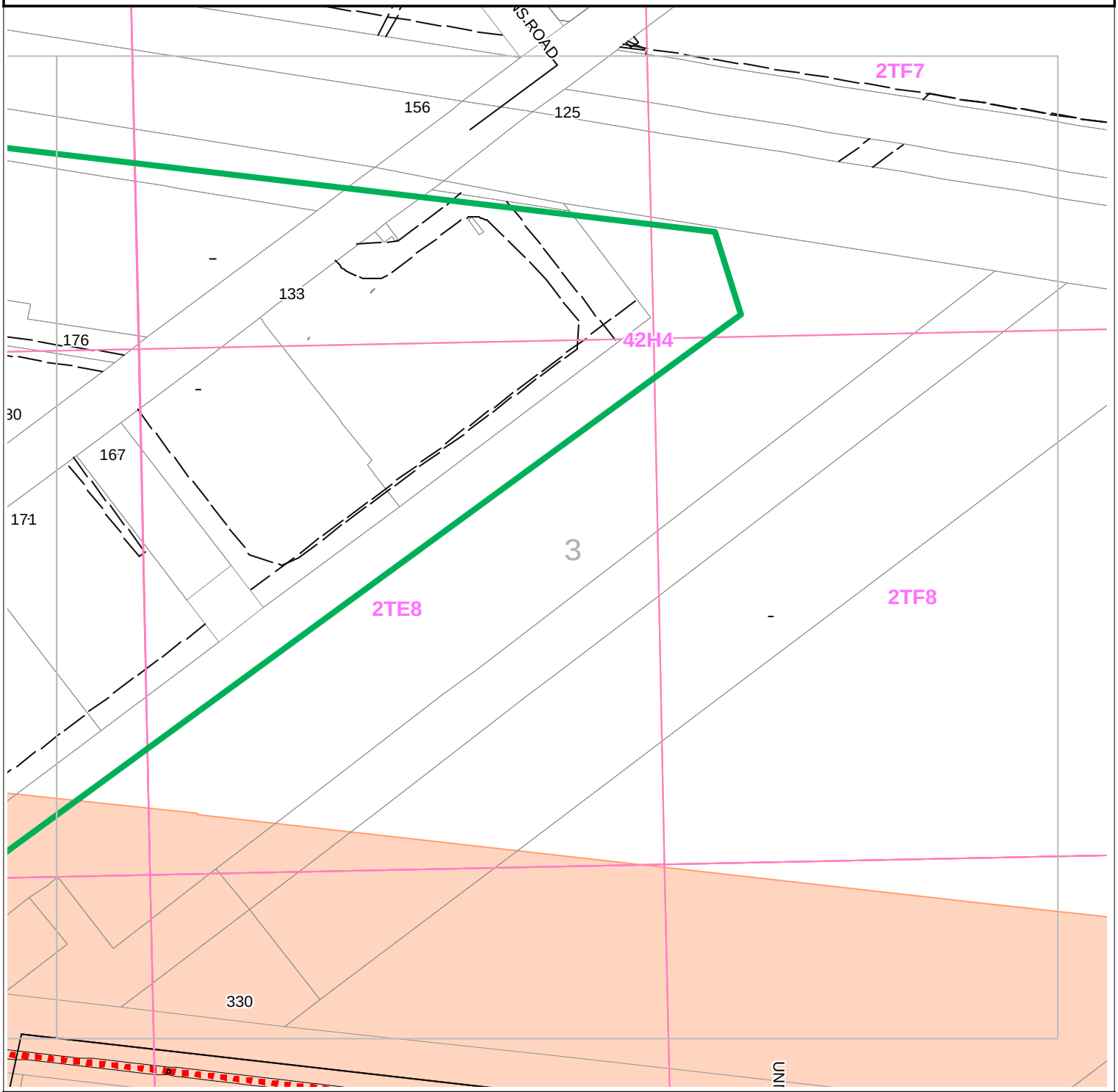

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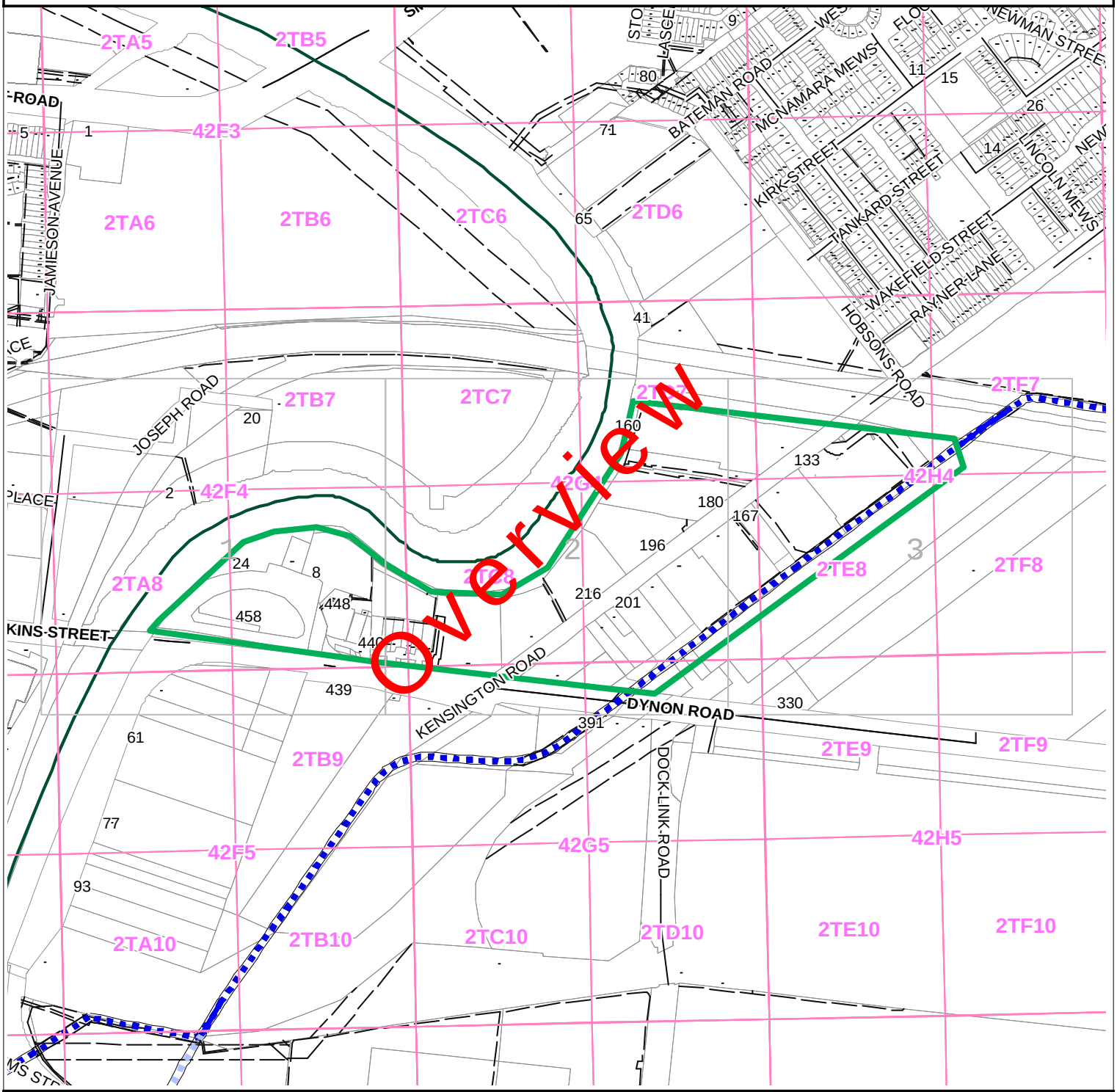

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1:2000

Water supply main
Abandoned water supply main
Water supply scour
Cathodic protection zone

Area of possible interference from nearby cathodic protection system. If installing buried metallic structures or services, please contact MWC Civil Asset team on 9679 6614 to discuss impact of planned works.

Area of interest
Easement
Property boundary
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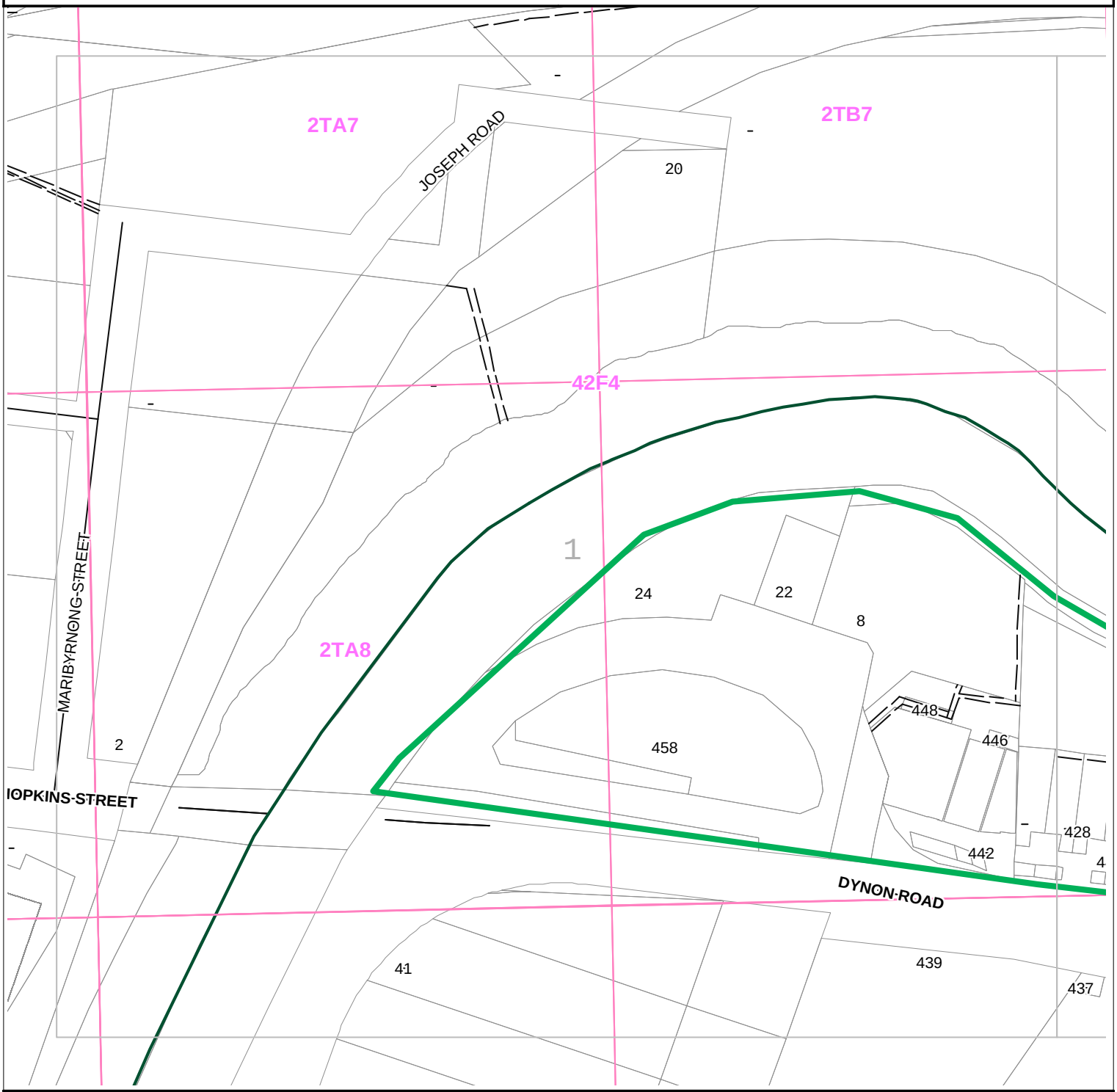
DBYD Job No. 15700409



Address: Dynon Road, Melbourne, VIC, 3003
Map Ref: Melways 42F4, 42G4, 42G5, 42H4
Date Supplied: 05/02/2019

1:2000

Water supply main
Abandoned water supply main
Water supply scour
Cathodic protection zone

Area of possible interference from nearby cathodic protection system. If installing buried metallic structures or services, please contact MWC Civil Asset team on 9679 6614 to discuss impact of planned works.

Area of interest
Easement
Property boundary
X House number unknown
345F4 VicRoads map reference
27D4 Melway map reference

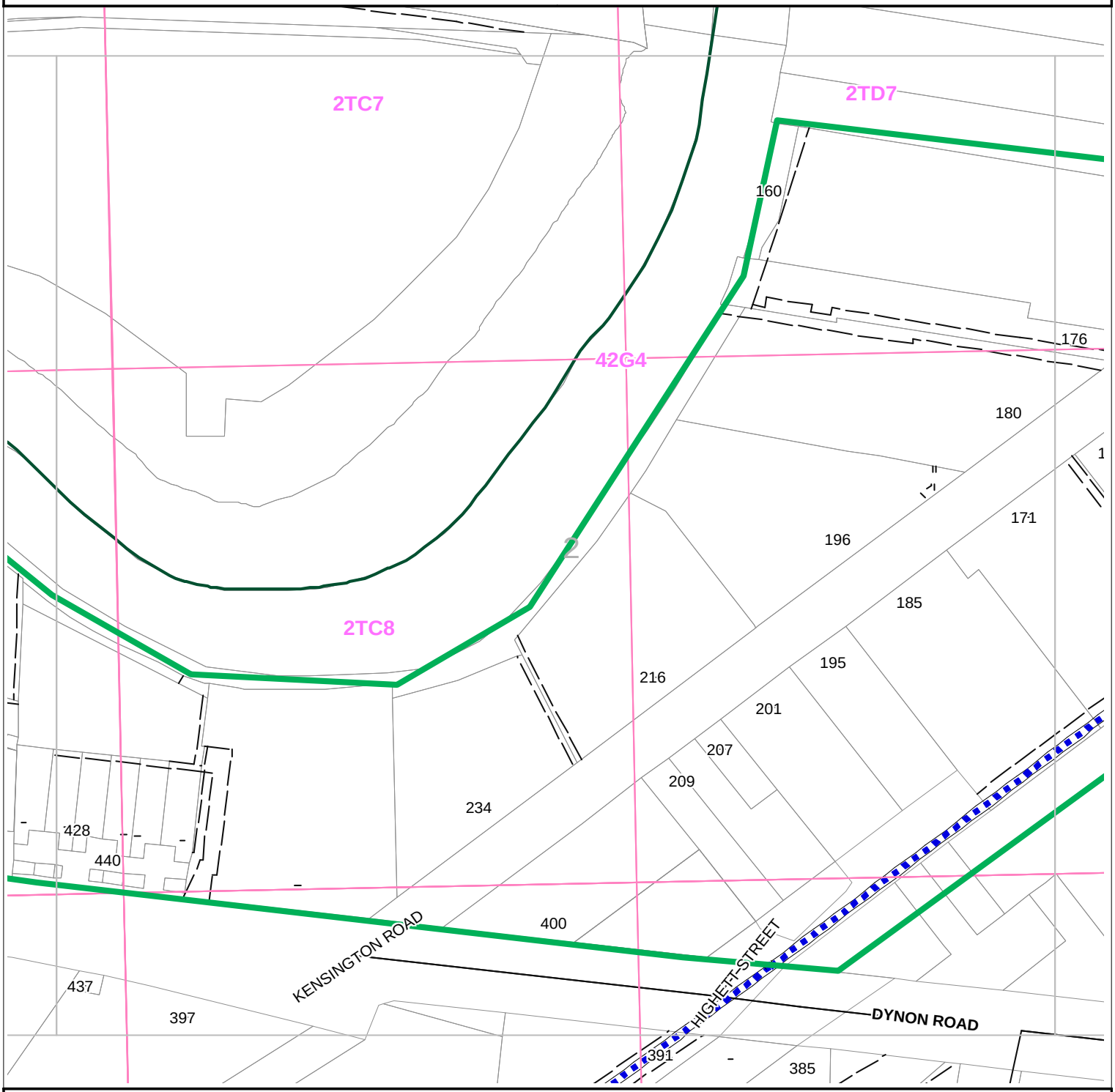
DIAL BEFORE YOU DIG www.1100.com.au

Melbourne Water

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

Water Supply Assets Plan

DBYD Sequence Number: 79895475
DBYD Job No. 15700409



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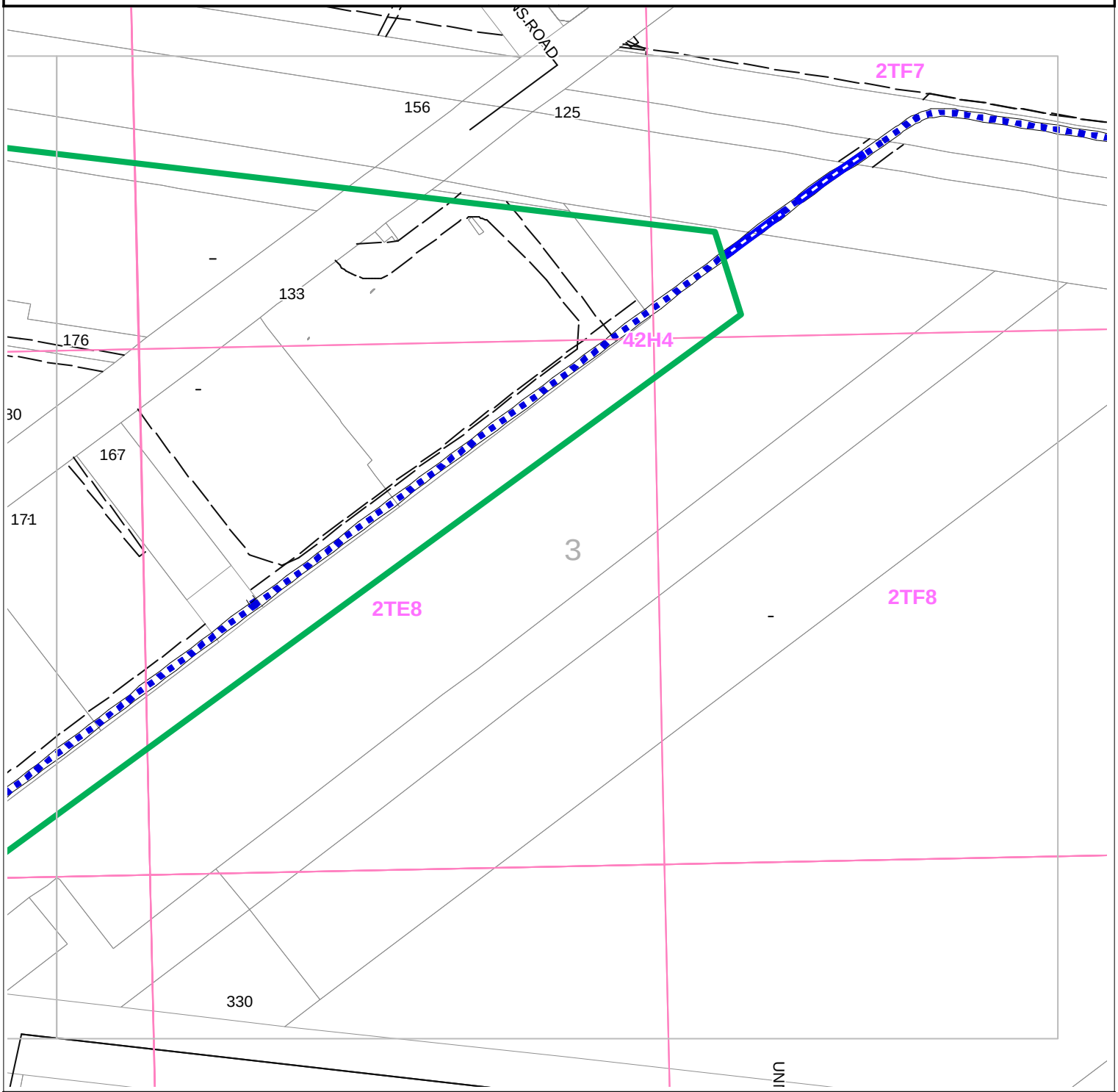

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DIAL BEFORE YOU DIG www.1100.com.au

Melbourne Water

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

Response Cover Letter

Date: 05/02/2019

PIPE Networks
Level 17, 127 Creek St
Brisbane QLD 4000
Phone: +61 732339895
Fax: +61 732339880

To:
Mr Jonathan Goddard - Customer ID: 1831010
BlueSphere Environmental - Mr Jonathan Goddard
115a Ferrars Street
Southbank
VIC
3006

Email: jgoddard@bluesphere-enviro.com.au
Phone: 61 3 9699 5286
Fax: 61 3 9699 4509
Mobile: Not Supplied

Dear Mr Jonathan Goddard

The following is our response to your Dial Before You Dig enquiry.

Assets Affected: PIPE Networks, Telstra

Sequence Number: 79895478

Location: Dynon Road
Melbourne
VIC
3003

Commencement Date: 07/02/2019

Please read over the attached documents for more information about your enquiry.

DISCLAIMER: *No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence.*

Note: *If the works fall in an area that adjacent to PIPE Networks infrastructure, a pre-inspection is required prior to commencement of works. Contact PIPE Networks to arrange an inspection time.* ***NO WORKS TO COMMENCE PRIOR TO INSPECTION.***

Level 17, PIPE Networks House, 127 Creek Street, Brisbane 4000
PH:(07) 3233 9895 FAX:(07) 3233 9880

Attention: Mr Jonathan Goddard
Fax: 61 3 9699 4509
DBYD Enquiry Number: 79895478

Date: 05/02/2019

Location: Dynon Road
Melbourne
VIC
3003

DBYD ENQUIRY RETURN:

PIPE Networks **DOES** own or operate telecommunications network infrastructure within the area detailed above.

The affected network **is contained in the PIPE Networks duct network** and can be found on **PIPE Networks** own network plans.

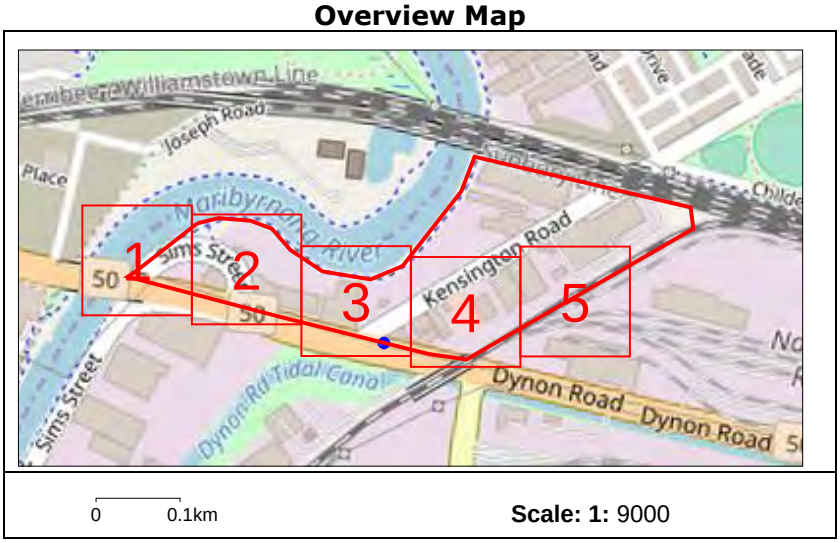
This network is vital to our operations and as such, it is critical that no works commence within the area until a PIPE Networks representative has contacted you.

A PIPE Networks representative will contact you within 24 hours to further discuss your intended works. If you do not hear from PIPE networks within 24hours please call us for assistance.

Due to continued network expansion, this network information can only be considered valid and accurate for 28 days from issue.

PIPE Networks will seek compensation for any damage to its network through negligence or ignorance of your duty of care.

Overview Map



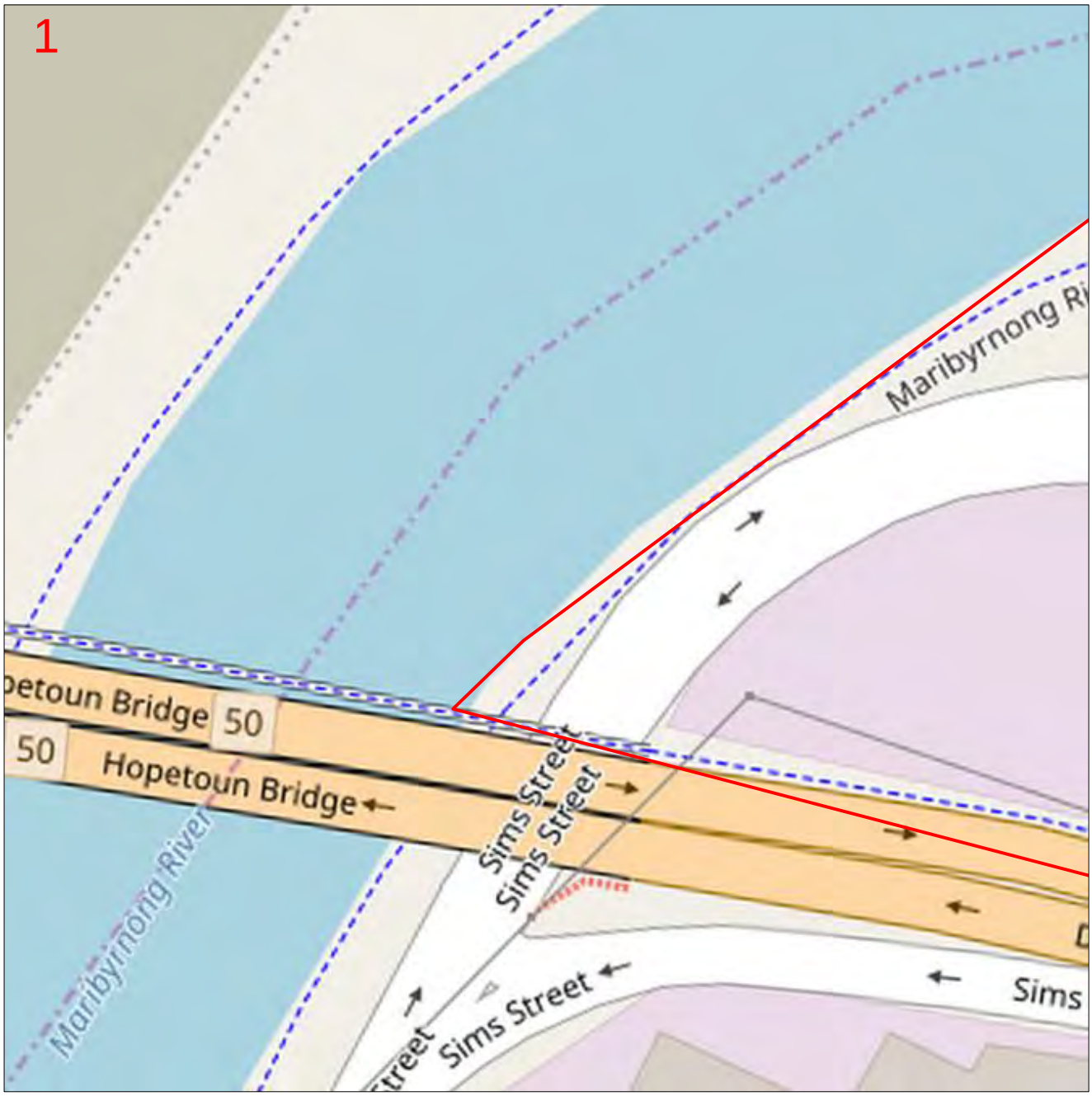
PIPE Networks (for information specific to this job only)
Ph (07) 3233 9895
Email: dbyd@pipenetworks.com

DISCLAIMER: *No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence.*

Note: *If the works fall in an area that adjacent to PIPE Networks infrastructure, a pre-inspection is required prior to commencement of works. Contact PIPE Networks to arrange an inspection time.* ***NO WORKS TO COMMENCE PRIOR TO INSPECTION.***

Only PIPE Networks' duct displayed.

For location of PIPE Networks cable in third-party duct, please contact third-party named on attached cover letter.



Enquiry Number: 79895478

Map Sheet: 1

Scale: 1:750

0 0.008km

LEGEND

DBYD Request Area

Line

Area

Asset

Manhole

Duct

N

DISCLAIMER: *No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence. © 2013 PIPE Networks Ltd.*

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Only PIPE Networks' duct displayed.

For location of PIPE Networks cable in third-party duct, please contact third-party named on attached cover letter.

Enquiry Number: 79895478

Map Sheet: 2

Scale: 1:750

0 0.008km

LEGEND

DBYD Request Area

Line

Area

Asset

Manhole

Duct

N

DISCLAIMER: *No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence. © 2013 PIPE Networks Ltd.*

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Only PIPE Networks' duct displayed.

For location of PIPE Networks cable in third-party duct, please contact third-party named on attached cover letter.

Enquiry Number: 79895478

Map Sheet: 3

Scale: 1:750

0 0.008km

LEGEND

DBYD Request Area

Line

Area

Asset

Manhole

Duct

N

DISCLAIMER: *No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence. © 2013 PIPE Networks Ltd.*

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Only PIPE Networks' duct displayed.

For location of PIPE Networks cable in third-party duct, please contact third-party named on attached cover letter.

Enquiry Number: 79895478

Map Sheet: 4

Scale: 1:750

0 0.008km

LEGEND

DBYD Request Area **Asset**

Line

Area

Manhole

Duct

N

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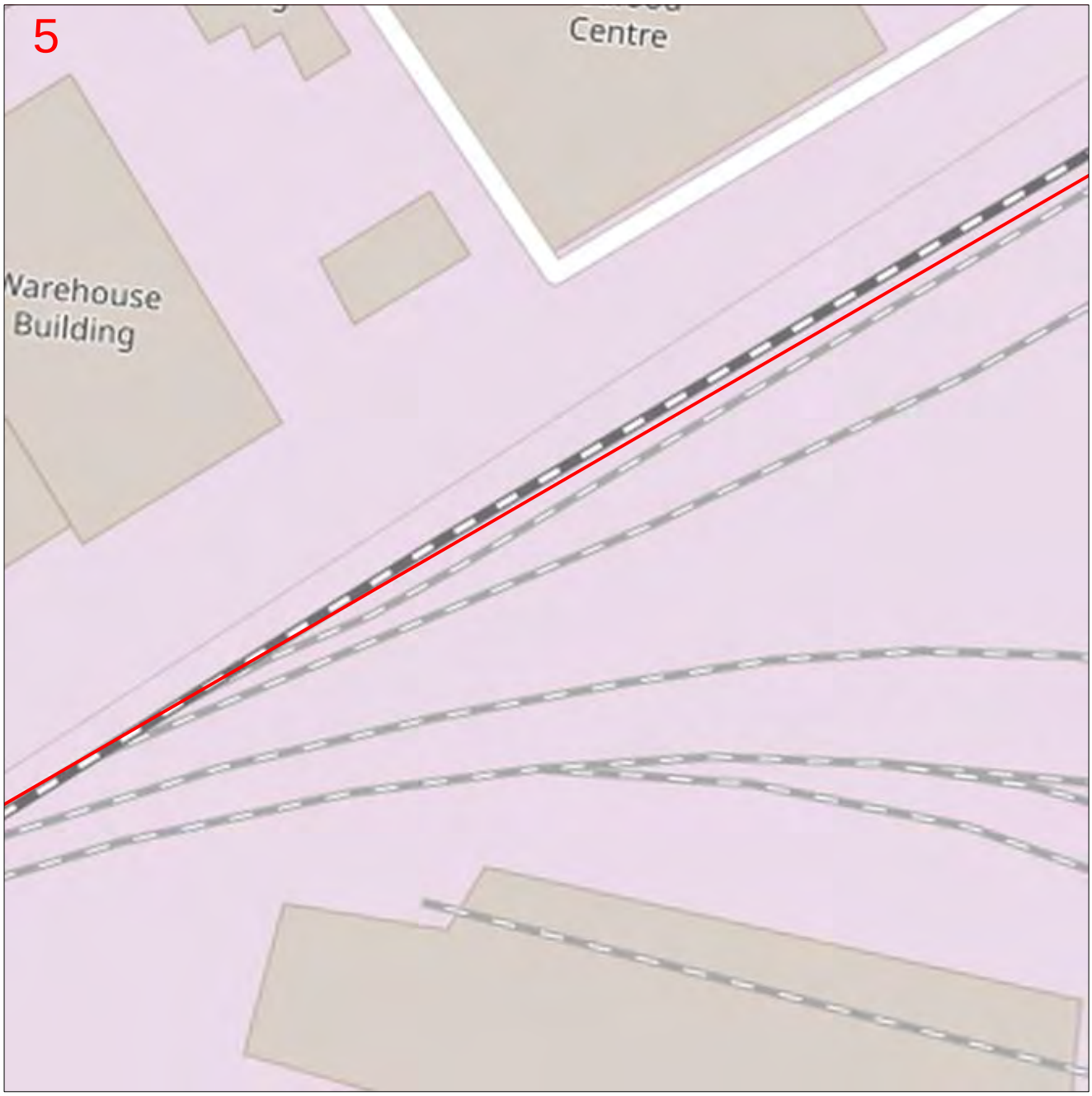


Enquiry Number: 79895478

Map Sheet: 5

Scale: 1:750

0 0.008km

LEGEND

DBYD Request Area

Asset

Line

Area

Manhole

Duct

N

DISCLAIMER: *No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence. © 2013 PIPE Networks Ltd.*

Note: *If the works fall in an area that is adjacent to PIPE Networks infrastructure, a pre-inspection is required prior to commencement of works. Contact PIPE Networks to arrange an inspection time.* ***NO WORKS TO COMMENCE PRIOR TO INSPECTION.***

Dial Before You Dig (DBYD)
Location Information

Level 17, 333 Ann Street
Brisbane, QLD, 4000
Ph: (07) 3905 2400
www.superloop.com

To:
BlueSphere Environmental - Mr Jonathan Goddard
115a Ferrars Street
Southbank VIC 3006

Enquiry Details

Utility ID	90392
Sequence Number	79895480
Enquiry Date	05/02/2019 16:37
Response	**AFFECTED**
Address	Dynon Road Melbourne
Location in Road	CarriageWay,Footpath,Nature Strip
Activity	Vertical Boring

Enquirer Details

Customer ID	1831010		
Contact	Mr Jonathan Goddard		
Company	BlueSphere Environmental		
Email	jgoddard@bluesphere-enviro.com.au		
Phone	61 3 9699 5286	**Mobile**	Not Supplied

Disclaimer

Plans issued by Superloop are valid for 28 days unless otherwise stated. If this timeframe has elapsed, you will be required to reapply via Dial Before You Dig. Superloop plans are provided for the use of the applicant only and must not be distributed to any third parties. Superloop shall not be liable for any loss or damage caused by the use of its plans and/or information supplied to the applicant. Please ensure Superloop plans and information provided remain on-site at all times during construction.

Powered by dbyd

Your Enquiry has fallen within the risk area for Superloop's asset.

IMPORTANT:

- The proposed work has the potential to impact Superloop underground assets (Optical Fibre) in the area. Diagrams indicating the position of Superloop's underground assets are attached.
- There may be additional Superloop assets in this area contained within Telstra duct which are not shown on these diagrams. No work is to take place until plans have been obtained from Telstra.
- **Superloop does not accept any liability for inaccuracies or any lack of information on the plans, or any damage to Superloop assets resulting from, or in connection with the information provided.**

CONCERNING SUPERLOOP PLANS:

- Drawings and Plans provided by Superloop are reference diagrams which were correct at the time the asset was built. Exact ground cover and alignments cannot be provided with any certainty as these may alter over time. Depths of Telecommunications plant vary considerably as do alignments. It is essential to uncover the asset and positively identify the asset's exact location.
- Superloop plans are provided as a guide only and the completeness of the information cannot be guaranteed.
- The attached diagrams are valid for 28 days from the date of this reply.
- Services belonging to other third parties are not included on these plans.
- Superloop plans are provided for the use of the applicant only and must not be distributed to any third parties.
- Please ensure Superloop plans and information provided remains on-site at all times during construction.

DUTY OF CARE:

- When working in the vicinity of telecommunications plant you have a legal "Duty of Care" that must be observed.
- It is the responsibility of the owner and any consultant engaged by the owner, including an architect, consulting engineer, developer, and head contractor to design for minimal impact and protection of Superloop plant. Superloop will provide plans and sketches showing the presence of its network to assist at this design stage. It is the owner's (or constructor's) responsibility to:
    - ❖ Request plans of Superloop plant for a particular location at a reasonable time before construction begins
    - ❖ Visually locate Superloop plant by vacuum excavation (pot holing) where construction activities may damage or interfere with Superloop plant (see "Essential Precautions and Approach Distances" section for more information)
    - ❖ Contact Superloop, if Superloop plant is wholly or partly located near planned construction activities.

DAMAGE:

IN CASE OF EMERGENCY OR TO REPORT DAMAGE

PHONE 1300 558 406

IMMEDIATELY

- All damage, regardless of severity, must be reported to Superloop immediately.
- The contractor, or other agency, is liable for all damage to Superloop assets when works commence prior to obtaining plans, or failure to follow agreed instructions.
- Superloop reserves all rights to recover compensation for loss or damage to its cable network or other property including consequential losses.
- **Superloop does not accept any liability for loss or damage occurring due to inaccuracy or lack of information on the plans provided.**

Powered by dbyd

ESSENTIAL PRECAUTIONS AND APPROACH DISTANCES:

Note: If the following clearances cannot be maintained, please contact Superloop (see above for details) for advice on how best to resolve this situation.

1. On receipt of plans and before commencing excavation work or similar activities near Superloop plant, carefully locate this plant first to avoid damage. Undertake prior manual exposure such as potholing when intending to excavate or work closer to Superloop plant than the following approach distances:
   - Where Superloop plant is in an area where road and footpaths are well defined by kerbs or other features a minimum clear distance of 600mm must be maintained from where it could be reasonably presumed that plant would reside.
     In non-established or unformed reserves and terrain, this approach distance must be at least 1.5 metres.
   - NOTE: Even manual pot-holing needs to be undertaken with extreme care, common sense and employing techniques least likely to damage cables.
   - If construction work is parallel to Superloop plant, then careful hand digging or using non-destructive water jet method (pot-holing) at least every 5m is required to establish the location of all plant, hence confirming nominal locations before work can commence.

2. Maintain the following minimum clearance between construction activity and **actual location** of Superloop Plant.

Jackhammers/Pneumatic Breakers	*Not within 1.0m of **actual location.***
Vibrating Plate or Wacker Packer Compactor	*Not within 0.5m of Superloop ducts.* *300mm compact clearance cover before compactor can be used across Superloop ducts.*
Boring Equipment (in-line, horizontal and vertical)	*Not within 2.0m of **actual location**.* *Constructor to check depth via vacuum excavation (pot-hole).*
Heavy Vehicle Traffic (over 3 tonnes)	*Not to be driven across Superloop ducts (or plant) with less than 600mm cover.*
Mechanical Excavators, Farm ploughing and Tree Removal	*Not within 1.0m of **actual location.*** *Constructor to check depth via vacuum excavation (pot-hole).*

- All Superloop pits and manholes should be a minimum of 1.2m in from the back of kerb after the completion of your work.
- All Superloop conduit should have the following minimum depth of cover after the completion of your work:
  - **Footway 450mm**
  - **Roadway 450mm at drain invert and 600mm at road centre crown**

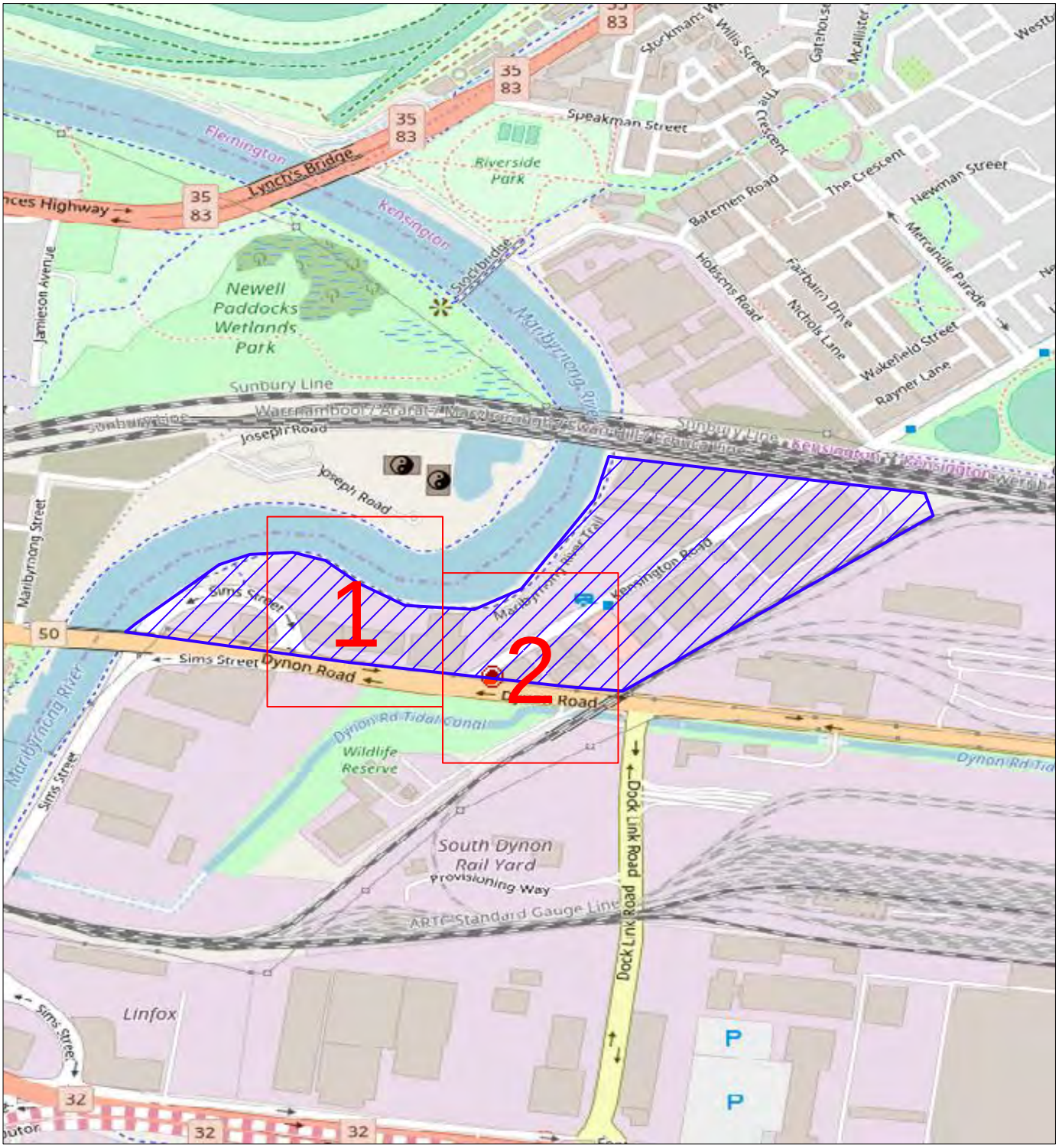
Powered by dbyd

Date: 05/02/2019

Overview Map

Sequence No: 79895480

Dynon Road Melbourne



N

0 0.07km

LEGEND:

Superloop Asset

Property Boundary

Affected DBYD Work Area

1 Detail Map

Superloop does not accept any liability for inaccuracies or any lack of information on the plans, or any damage to Superloop assets resulting from, or in connection with the information provided.

Background layer sourced from Open Street Maps

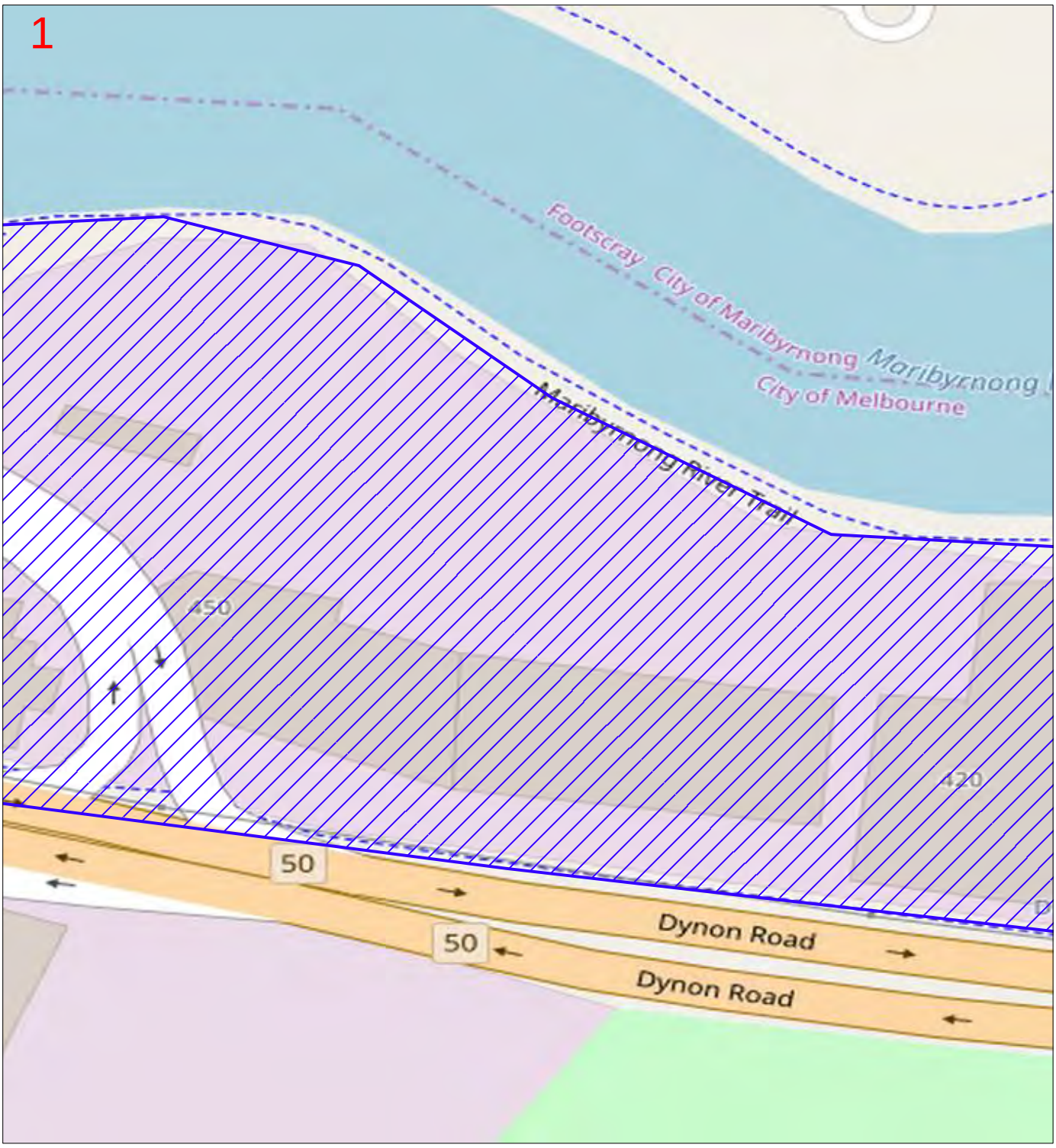
Powered by dbyd

Date: 05/02/2019

Map 1

Sequence No: 79895480

Dynon Road Melbourne



N

0 0.01km

LEGEND:

Superloop Asset

Property Boundary

Affected DBYD Work Area

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Background layer sourced from Open Street Maps

Powered by dbyd

Date: 05/02/2019

Map 2

Sequence No: 79895480

Dynon Road Melbourne

N

0 0.01km

LEGEND:

Superloop Asset

Property Boundary

Affected DBYD Work Area

Superloop does not accept any liability for inaccuracies or any lack of information on the plans, or any damage to Superloop assets resulting from, or in connection with the information provided.

Background layer sourced from Open Street Maps

Powered by dbyd

Title
CITY OF MELBOURNE
ENGINEERING SERVICES BRANCH
UNDERGROUND ASSETS AND SERVICES INFORMATION

Melway Reference	**42F4**
Date	3/2/2019
Map Scale	0 20 40 80 m

DISCLAIMER:
The location of underground assets and services is approximate and their position and existence should be proven on site by hand excavation. No guarantee is given that all existing assets and services are shown.

LEGEND

Pipe Diam. ø

Drainage Pipe

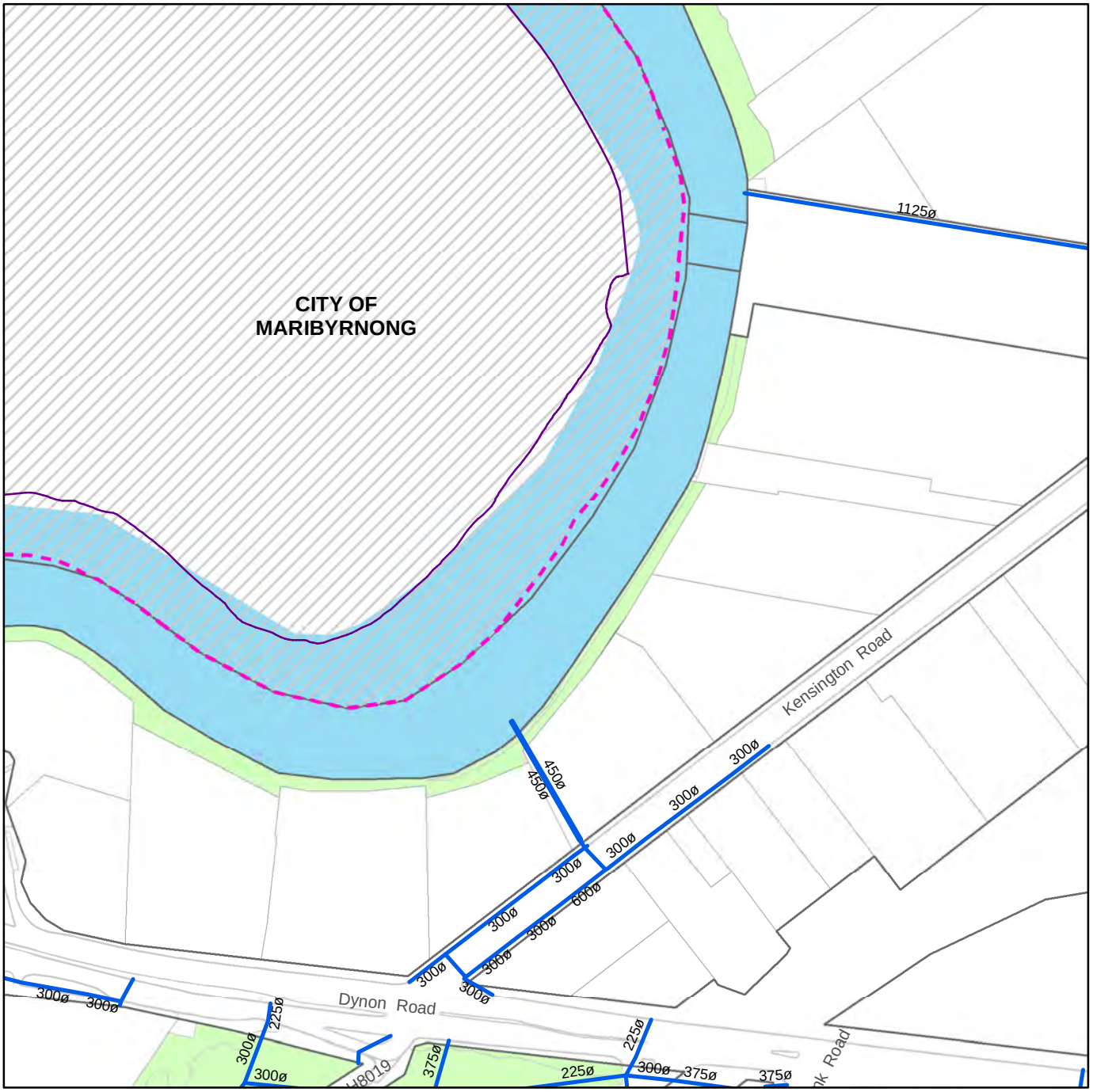
External Municipality

WARNING:

No specific warnings apply in this area.

N

CITY OF MELBOURNE



Title
CITY OF MELBOURNE
ENGINEERING SERVICES BRANCH
UNDERGROUND ASSETS AND
SERVICES INFORMATION

Melway Reference **42G4**

Date 3/2/2019

Map Scale 0 20 40 80 m

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LEGEND

Pipe Diam. ø

Drainage Pipe

External Municipality

WARNING:

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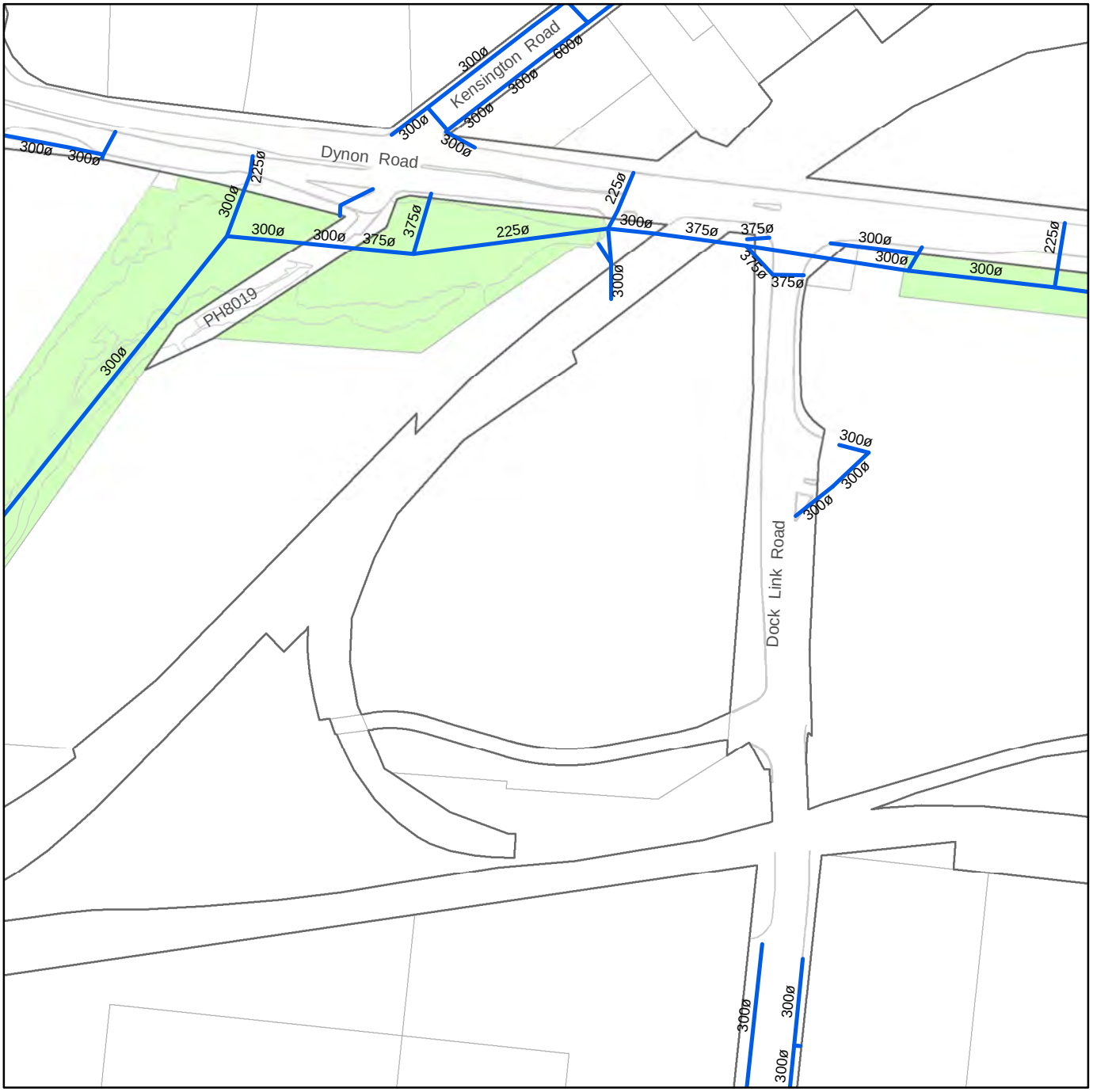
N

CITY OF MELBOURNE



Title
CITY OF MELBOURNE
ENGINEERING SERVICES BRANCH
UNDERGROUND ASSETS AND SERVICES INFORMATION

Melway Reference **42G5**

Date 3/2/2019

Map Scale 0 20 40 80 m

DISCLAIMER:
The location of underground assets and services is approximate and their position and existence should be proven on site by hand excavation. No guarantee is given that all existing assets and services are shown.

LEGEND

Pipe Diam. ø

Drainage Pipe —

WARNING:

No specific warnings apply in this area.

N

CITY OF MELBOURNE

Title
CITY OF MELBOURNE
ENGINEERING SERVICES BRANCH
UNDERGROUND ASSETS AND SERVICES INFORMATION

Melway Reference **42H4**

Date 3/2/2019

Map Scale 0 20 40 80 m

DISCLAIMER:
The location of underground assets and services is approximate and their position and existence should be proven on site by hand excavation. No guarantee is given that all existing assets and services are shown.

LEGEND

Pipe Diam. ø

Irrigation Controller

Electrical Conduit

Drainage Pipe

WARNING:

No specific warnings apply in this area.

N

CITY OF MELBOURNE

1113 x 725mm

CitiPOWER Pty - AutoCAD XM-BASE-A0 Horizontal

DYNON ROAD
KENSINGTON ROAD
HIGHETT STREET
FLETCHER STREET
DYNON ROAD
201 KENSINGTON RD S/S
166 KENSINGTON RD S/S
KENSINGTON 165-CHILDERS S/S
NELSONS S/S 176 KENSINGTON RD
No 216-232
No.139
X = 316447.71 Y = 5814307.24
X = 316702.90 Y = 5813963.39
SECTION A-A
SECTION B-B
SECTION C-C
FOR DETAIL OF THESE JOINTS SEE ROUGH FN BOOK 14 ON 26-1-69 (J MCARDLE) ORIGINAL F NOTE NOT AVAILABLE
INFO FROM PROPOSALS BOOK 20-11-58
BOUNDARY FENCE
END OF BRIDGE RLY GIRDER
RAILWAY
CENTRE OF ROAD
SCALE OF METRES
10.00 5.00 0.00 10.00 20.00 30.00 40.00 50.00

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
- KL — KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
- HV CABLE TERMINATION
- LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- HV CABLE IDENTITY TAG
- FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B788
DISTRIBUTION LV PLAN	D788
LIGHTING PLAN	L788
SUPERVISORY PLAN	S788

BASE PLAN LAST UPDATED 19/09/14

REVISION — CURRENT REVISION

19.09.14	E	BASE UPDATED, ADDED CP41/5091225 & CP41/5091225/1 BY VEMCO

A B C D E F G H J K

FIELD NOTES

FN98/12/E7	FN97/N8	CP41/5067082
CP41/5067082/1	FN08/0190	CP41/5064707
CP41/5064707/1-4	FN11/1197911	FN12/1205014
CP41/5079959	CP41/5091225	CP41/5091225/1

LOCALITY PLAN

652	872	
677	788	785
678	789	787

CITIPOWER

POSTAL ADDRESS
Locked Bag 14031
Melbourne Mail Centre Vic 8001

CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

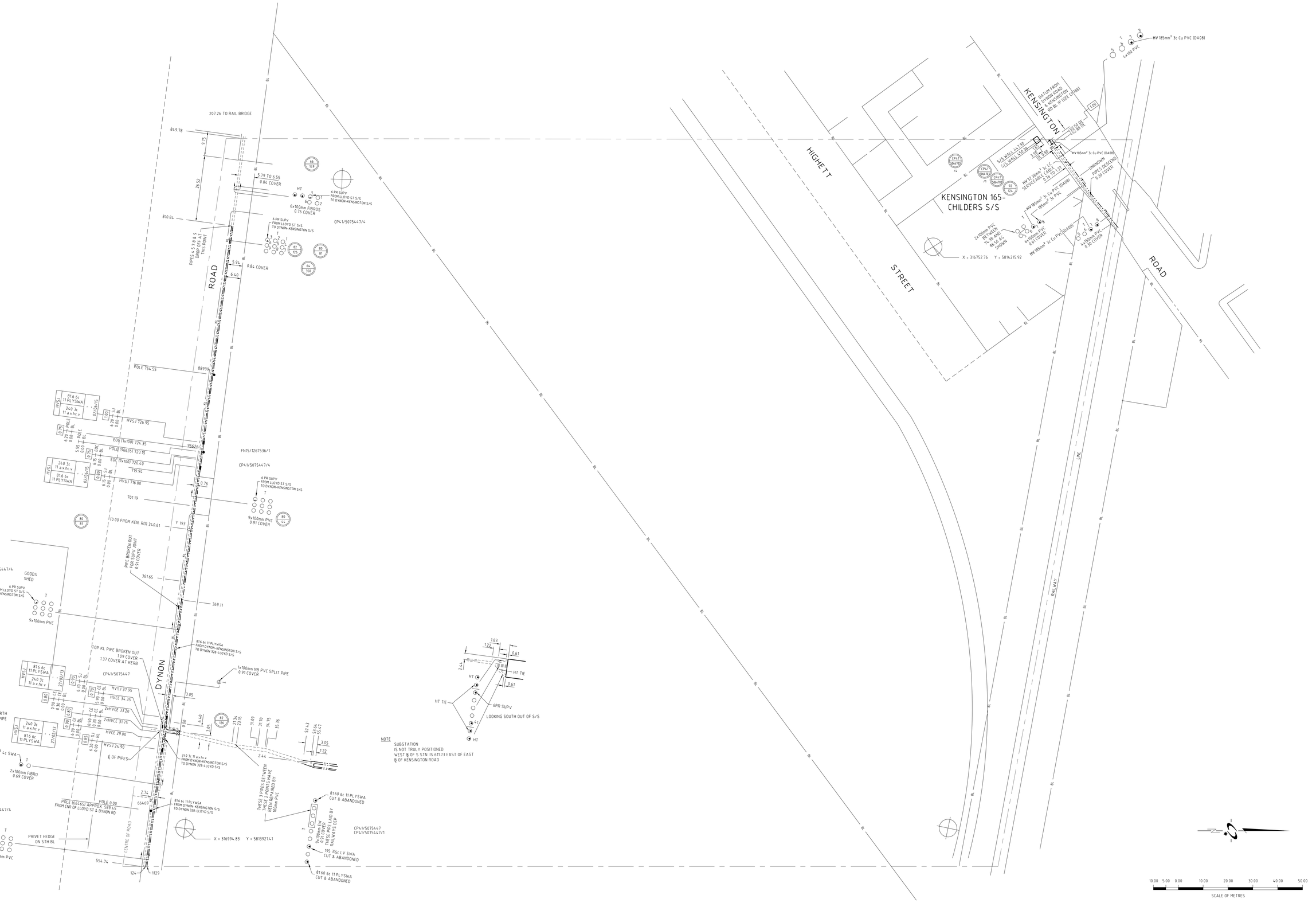
ORIGINAL SCALE 1:500

CF788

A0

1113 x 725mm

CitiPOWER Pty - AutoCAD XM-BASE-A0 Horizontal



LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
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- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
- ▷ HV CABLE TERMINATION
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- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 23455 / L — HV CABLE IDENTITY TAG
- CTB 23 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B789
DISTRIBUTION LV PLAN	D789
SUPERVISORY PLAN	S789

REVISION

CURRENT REVISION

11.06.15 D BASE UPDATED FN15/1267536/1 HV FAULT UPDATED BY CP&PCA

A B C D E F G H J K

FIELD NOTES

CP41/5064707	CP41/5064707/1	CP41/5064707/4
CP41/5075447	CP41/5075447/1	CP41/5075447/4
FN15/1267536/1		

LOCALITY PLAN

677	788	785
678	789	786
679	790	787

CITIPOWER

POSTAL ADDRESS
Locked Bag 14031
Melbourne Mail Centre Vic 8001

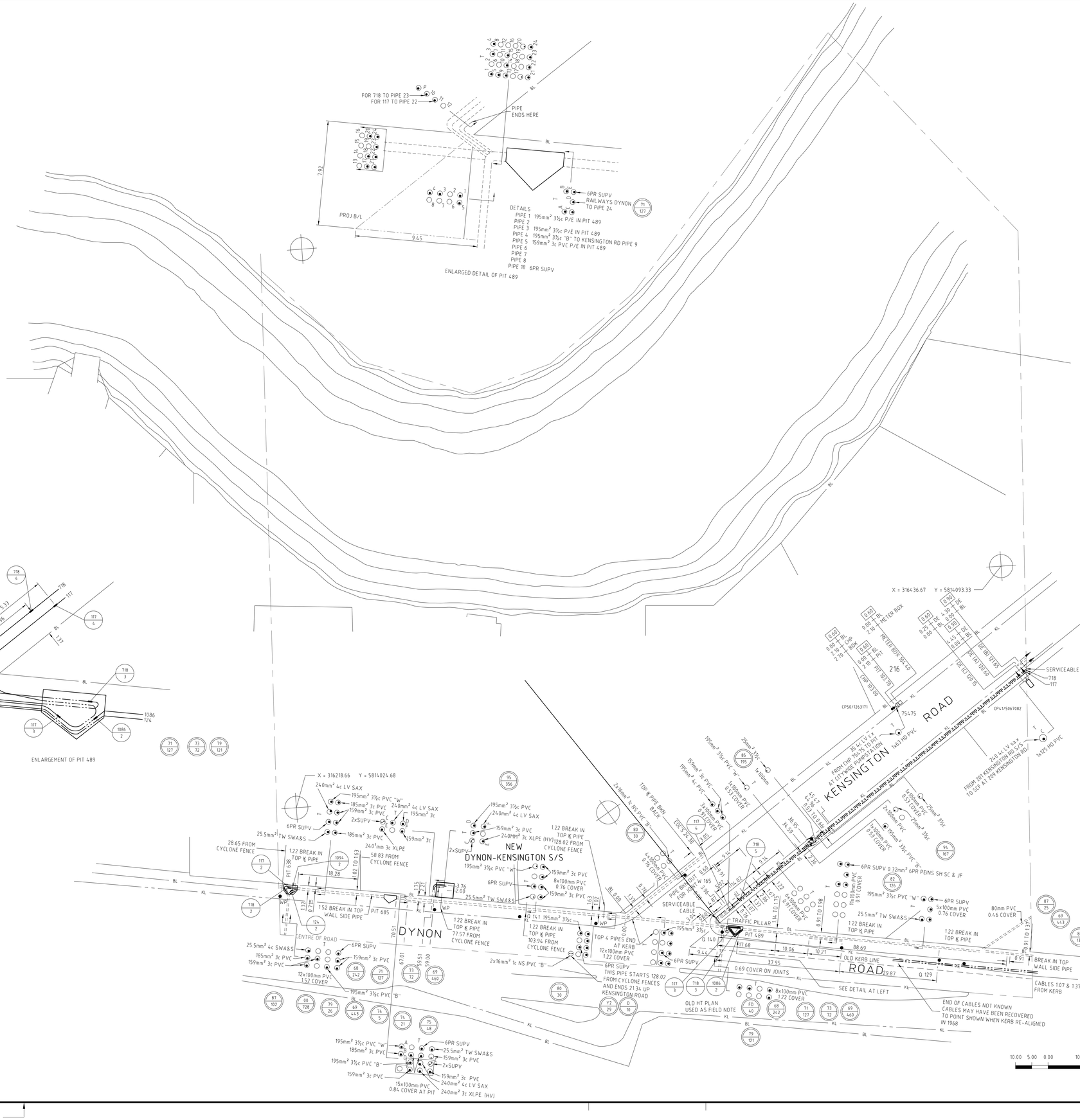
CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

ORIGINAL SCALE 1:500

CF789

A0



LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BUILDING LINE
- KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- HV CABLE IDENTITY TAG
- FIELD NOTE REFERENCE NUMBER

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B872
DISTRIBUTION LV PLAN	D872
LIGHTING PLAN	L872
SUPERVISORY PLAN	S872

BASE PLAN LAST UPDATED : 07-04-15

REVISION

CURRENT REVISION

07/04/15	0	CP50/1263171 UPDATED OUT SIDE 216 KENSINGTON RD (MRD)			
A	B	C	D	E	
F	G	H	J	K	

FIELD NOTES

00/728	CP41/5067082	CP50/1263171	

LOCALITY PLAN

	785	
873	872	788
651	652	677

CITIPOWER

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ORIGINAL SCALE: 1:500

CF872

CitiPOWER Pty - AutoCAD XM-BASE-B1 Vertical

802 x 667mm

B1

994 x 592mm

CitiPOWER Pty – AutoCAD XM-BASE-B1 Horizontal

LEGEND

HV UG CABLE BURIED DIRECT	STRAIGHT THROUGH JOINT
LV UG CABLE BURIED DIRECT	LV MAINS TEE JOINT
LV UG CABLE IN CONDUIT	LV SERVICE TEE JOINT
PUBLIC LIGHTING CABLE BURIED DIRECT	INSULATED END
PUBLIC LIGHTING CABLE IN CONDUIT	SEALED END
SUPERVISORY UG CABLE BURIED DIRECT	EXISTING CONDUIT
SUPERVISORY UG CABLE IN CONDUIT	STEEL COLUMN & 80W MV PUBLIC LIGHT
BUILDING LINE	SERVICE PIT
KERB LINE	ROAD SERVICE PIT
HALF WAY BOX	OCCUPIED CONDUITS
4 WAY BOX	SPARE CONDUIT
HV/LV POLE	GIS ALIGNMENT MARK (INTERNAL)
HV POLE	HV CABLE IDENTITY TAG
LV POLE (GENERAL)	FIELD NOTE REFERENCE NUMBER
CABLE HEAD POLE:- HV CABLE TERMINATION, LV CABLE TERMINATION	

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B873
DISTRIBUTION LV PLAN	D873
LIGHTING PLAN	L873

BASE PLAN UPDATED: 01/06/18

REVISION

CURRENT REVISION

01.06.18	F CP41/5102919 ADDED BY BALPARA (D.O)

A B C D E F G H J K

FIELD NOTES

00/728	CP41/5070058/1	FN14/296717/1
FN14/1256332/1	CP41/5102919	

LOCALITY PLAN

873 872 651 652

CITIPOWER

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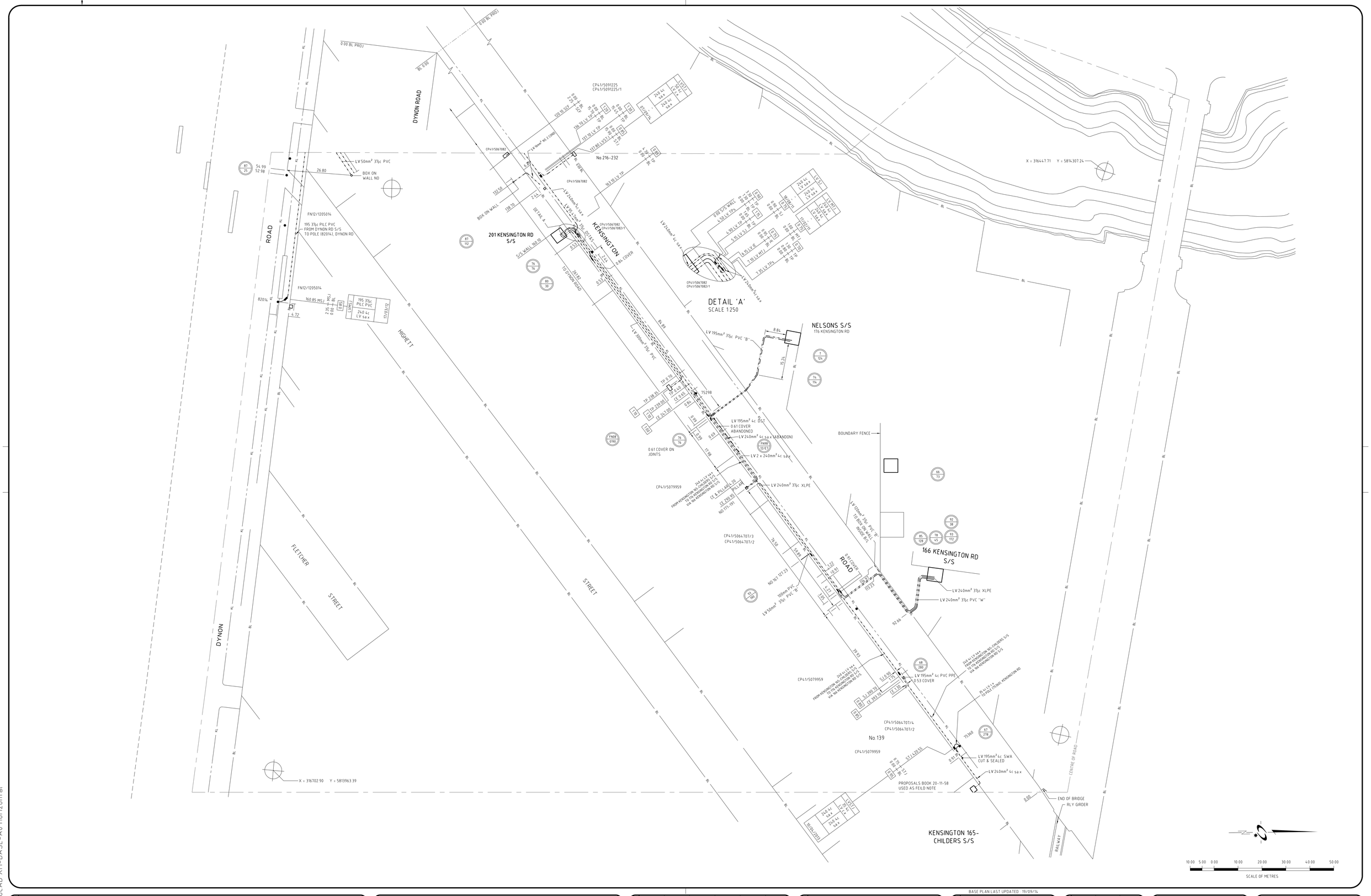
ORIGINAL SCALE: 1:500

CF873

B1

1113 x 725mm



LEGEND

HV UG CABLE BURIED DIRECT	STRAIGHT THROUGH JOINT	HALF WAY BOX	OCCUPIED CONDUITS
LV UG CABLE BURIED DIRECT	LV MAINS TEE JOINT	4 WAY BOX	SPARE CONDUIT
LV UG CABLE IN CONDUIT	LV SERVICE TEE JOINT	HV/LV POLE	GIS ALIGNMENT MARK (INTERNAL)
PUBLIC LIGHTING CABLE BURIED DIRECT	INSULATED END	HV POLE	
PUBLIC LIGHTING CABLE IN CONDUIT	SEALED END	LV POLE (GENERAL)	HV CABLE IDENTITY TAG
SUPERVISORY UG CABLE BURIED DIRECT	EXISTING CONDUIT	CABLE HEAD POLE -	
SUPERVISORY UG CABLE IN CONDUIT	STEEL COLUMN & 80W MV PUBLIC LIGHT	HV CABLE TERMINATION	
BL BUILDING LINE	SERVICE PIT	LV CABLE TERMINATION	FIELD NOTE REFERENCE NUMBER
KL KERB LINE	ROAD SERVICE PIT		

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B788
CONDUIT PLAN	CF788
LIGHTING PLAN	L788
SUPERVISORY PLAN	S788

BASE PLAN LAST UPDATED: 19/09/14

REVISION

CURRENT REVISION

19.09.14	E	BASE UPDATED, ADDED CP41/5091225 & CP41/5091225/1 BY VEMCO

A	B	C	D	E
F	G	H	J	K

FIELD NOTES

FN98/12/E7	CP41/5067082	CP41/5067082/1
FN08/0190	CP41/5064707/2-4	FN12/1205014
CP41/5079959	CP41/5091225	CP41/5091225/1

LOCALITY PLAN

652	872	
677	788	785
678	789	787

CITIPOWER

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Facsimile (03) 9297 6350

ORIGINAL SCALE: 1:500

D788

CitiPOWER Pty - AutoCAD XM-BASE-A0 Horizontal

A0

1113 x 725mm

CitiPOWER Pty - AutoCAD XM-BASE-A0 Horizontal

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
- KL — KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & BOW HV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2345 / A — HV CABLE IDENTITY TAG
- CTR / 23 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B789
CONDUIT PLAN	CF789
SUPERVISORY PLAN	S789

REVISION

CURRENT REVISION

11.06.15 D BASE UPDATED; CP&PCA

A B C D E
F G H J K

FIELD NOTES

(CP41/5075447/1

LOCALITY PLAN

677	788	785
678	789	786
679	790	787

CITIPOWER

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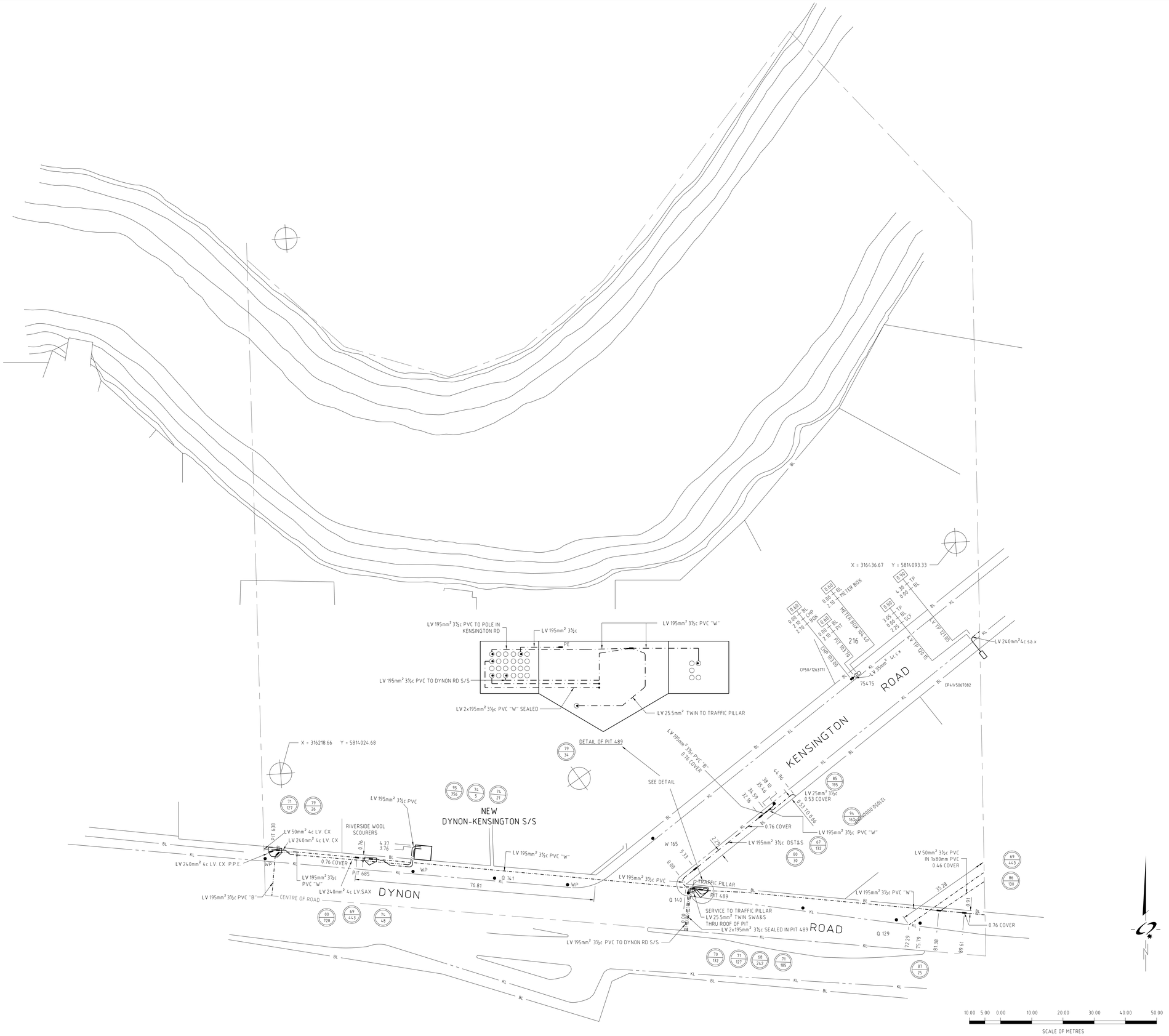
ORIGINAL SCALE 1:500

D789

A0



LAYERS						
0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BUILDING LINE
- KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - ▷ HV CABLE TERMINATION
  - ▶ LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2345 / 4 — HV CABLE IDENTITY TAG
- C78 / 23 — FIELD NOTE REFERENCE NUMBER

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B872
CONDUIT PLAN	CF872
LIGHTING PLAN	L872
SUPERVISORY PLAN	S872

BASE PLAN LAST UPDATED : 07-04-15

REVISION

CURRENT REVISION

07/04/15	D	CP50/1263171 UPDATED OUT SIDE 216 KENSINGTON RD (MRO)

A B C D E
F G H J K

FIELD NOTES

00/728	CP41/5067082	CP50/1263171	

LOCALITY PLAN

	785	
873	872	788
651	652	677

CITIPOWER

POSTAL ADDRESS
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CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

ORIGINAL SCALE: 1:500

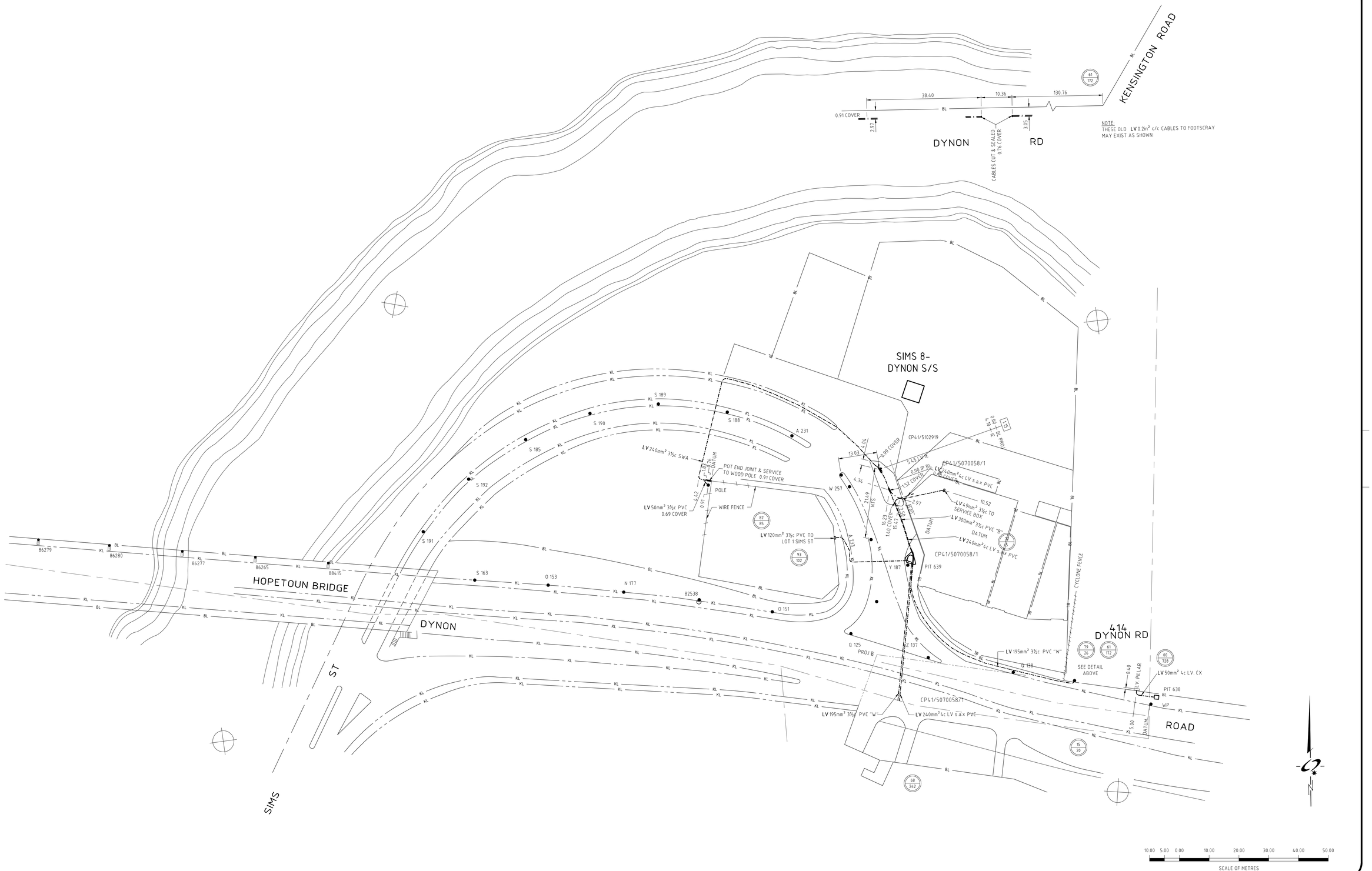
D872

CitiPOWER Pty - AutoCAD XM-BASE-B1 Vertical

802 x 667mm

B1

994 x 592mm



CitiPOWER Pty - AutoCAD XM-BASE-B1 Horizontal

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
- KL — KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE:-
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2365/4 — HV CABLE IDENTITY TAG
- C78/23 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B873
CONDUIT PLAN	CF873
LIGHTING PLAN	L873

BASE PLAN UPDATED: 01/06/18

REVISION

CURRENT REVISION

01.06.18 | F | CP41/5102919 ADDED BY: BALPARA (D.O)

A B C D E F G H J K

FIELD NOTES

00/728	CP41/5070058/1	CP41/5102919

LOCALITY PLAN

873 | 872 | 651 | 652

CITIPOWER

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Telephone (03) 9297 8900
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ORIGINAL SCALE: 1:500

D873

B1

1113 x 725mm

CitiPOWER Pty - AutoCAD XM-BASE-A0 Horizontal

DYNON ROAD

No 216-232

X = 316447.71 Y = 5814307.24

PL 25.5mm² TW SWA&S

69 443

ROAD

201 KENSINGTON RD S/S

KENSINGTON

82014

HIGHETT

75298

NELSONS S/S
176 KENSINGTON RD

BOUNDARY FENCE

PILLAR

166 KENSINGTON RD S/S

ROAD

FLETCHER

STREET

DYNON

STREET

No.139

73360

CENTRE OF ROAD

END OF BRIDGE
RLY GIRDER

RAILWAY

KENSINGTON 165-
CHILDERS S/S

X = 316702.90 Y = 5813963.39

10.00 5.00 0.00 10.00 20.00 30.00 40.00 50.00
SCALE OF METRES

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
- KL — KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2345 / c — HV CABLE IDENTITY TAG
- CTR / 23 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B788
CONDUIT PLAN	CF788
DISTRIBUTION LV PLAN	D788
SUPERVISORY PLAN	S788

BASE PLAN LAST UPDATED 19/09/14

REVISION — CURRENT REVISION

19.09.14	E	BASE PLAN UPDATED BY VEMCO
A B C D E F G H J K		

FIELD NOTES

LOCALITY PLAN

652	872	
677	788	785
678	789	787

CITIPOWER

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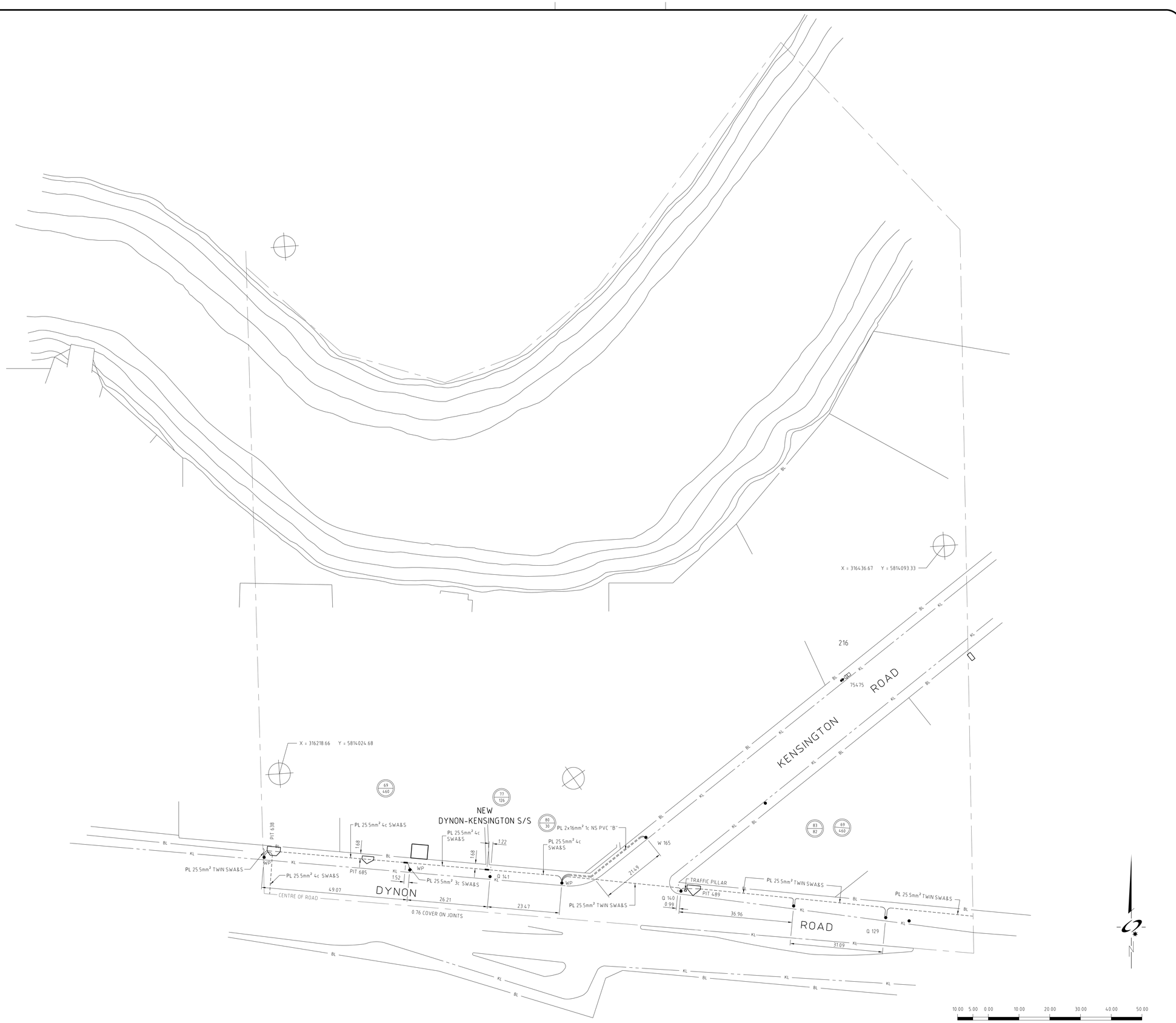
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

ORIGINAL SCALE 1:500

L788

A0



LAYERS						
0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BUILDING LINE (BL)
- KERB LINE (KL)
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - ▷ HV CABLE TERMINATION
  - ▶ LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2345 / 4 — HV CABLE IDENTITY TAG
- C78 / 23 — FIELD NOTE REFERENCE NUMBER

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B872
CONDUIT PLAN	CFB72
DISTRIBUTION LV PLAN	D872
SUPERVISORY PLAN	S872

BASE PLAN LAST UPDATED : 07-04-15

REVISION

CURRENT REVISION

07/04/15	C	BASE PLAN UPDATED (MRD)

A B C D E
F G H J K

FIELD NOTES

-			

LOCALITY PLAN

	785	
873	872	788
651	652	677

CITIPOWER

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Telephone (03) 9297 8900
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ORIGINAL SCALE: 1:500

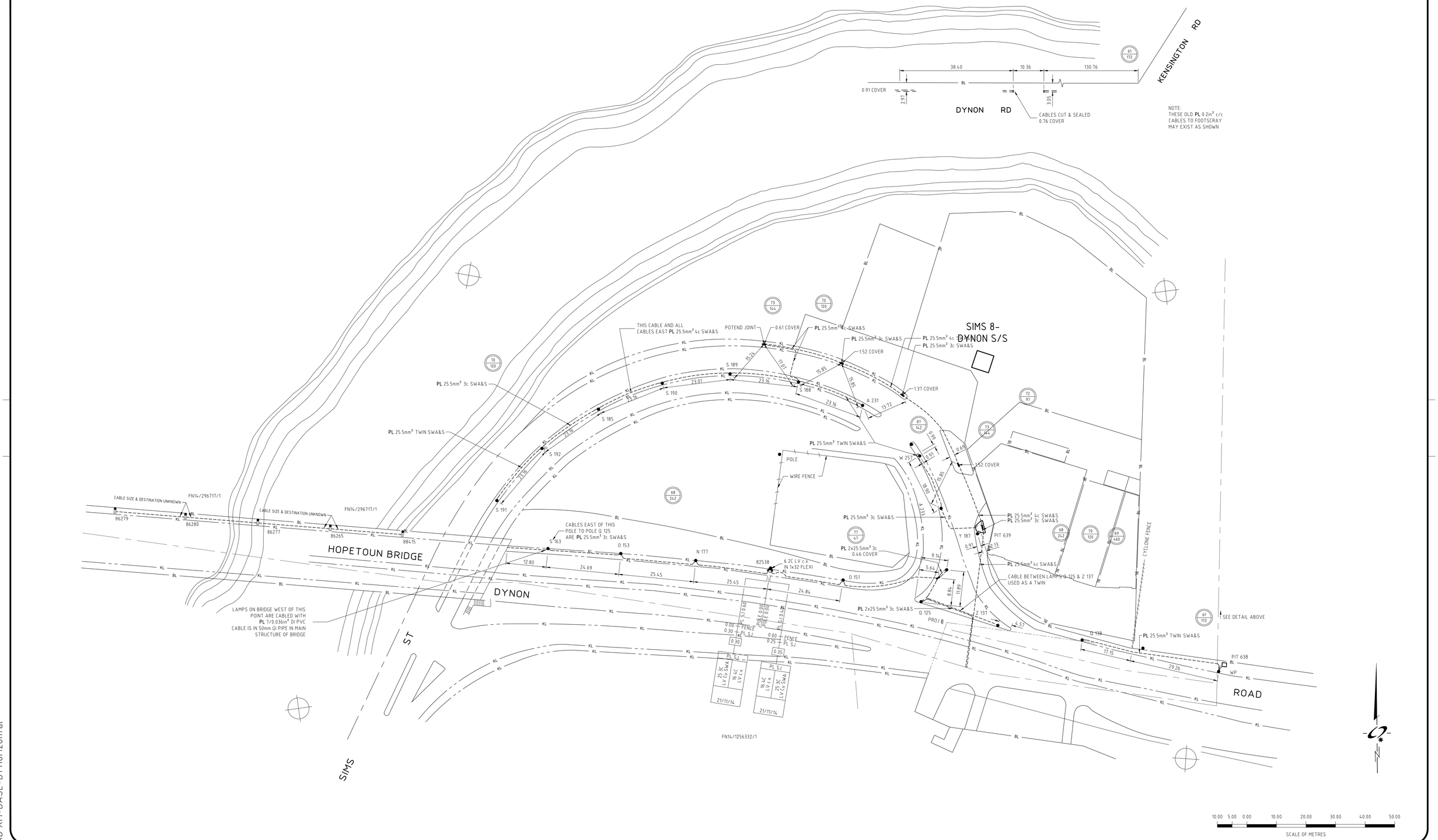
L872

CitiPOWER Pty - AutoCAD XM-BASE-B1 Vertical

802 x 667mm

B1

994 x 592mm



CitiPOWER Pty – AutoCAD XM-BASE-B1 Horizontal

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
- KL — KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE:-
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2345 / L — HV CABLE IDENTITY TAG
- C78 / 23 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B873
CONDUIT PLAN	CF873
DISTRIBUTION LV PLAN	D873

BASE PLAN UPDATED: 01/06/18.

REVISION

CURRENT REVISION

01.06.18 D — BASE PLAN UPDATED BY BALPARA (D.0)

A B C D E F G H J K

FIELD NOTES

FN14/296717/1 | FN14/1256332/1

LOCALITY PLAN

873 | 872 | 651 | 652

CITIPOWER

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ACN 064 651 056
35 Rooney Street
Burnley Vic 3121

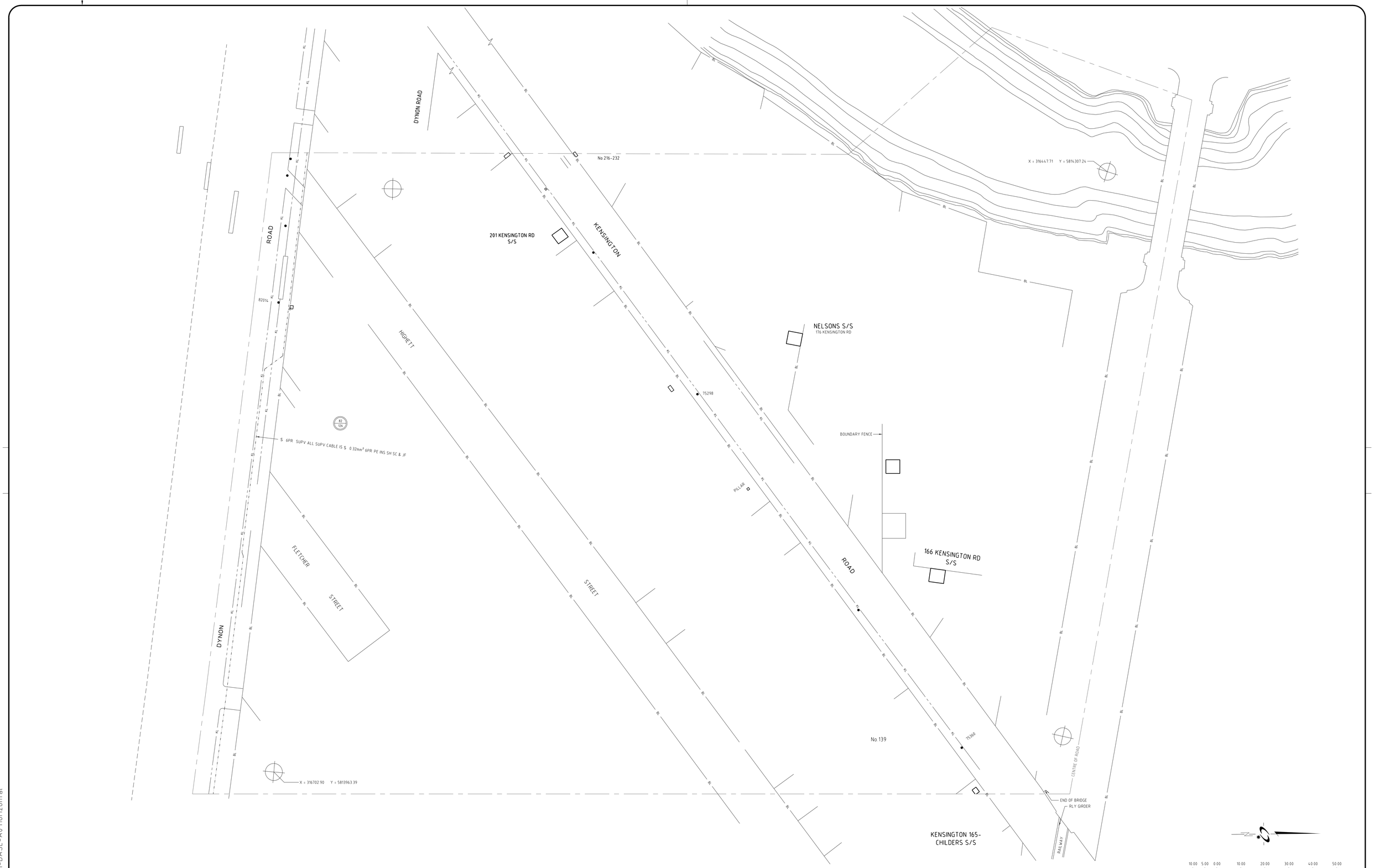
Telephone (03) 9297 8900
Facsimile (03) 9297 6350

ORIGINAL SCALE: 1:500

L873

B1

1113 x 725mm



CitiPOWER Pty - AutoCAD XM-BASE-A0 Horizontal

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
- KL — KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- EXISTING CONDUIT
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2365 / L — HV CABLE IDENTITY TAG
- C18 / 27 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
AC	ASBESTOS CEMENT	TP	TURNING POINT
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BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B788
CONDUIT PLAN	CF788
DISTRIBUTION LV PLAN	D788
LIGHTING PLAN	L788

BASE PLAN LAST UPDATED 19/09/14

REVISION

CURRENT REVISION

19.09.14	E	BASE PLAN UPDATED BY VEMCO

A B C D E F G H J K

FIELD NOTES

-

LOCALITY PLAN

652	872	
677	788	785
678	789	787

CITIPOWER

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Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

ORIGINAL SCALE 1:500

S788

A0

1113 x 725mm

CitiPOWER Pty – AutoCAD XM-BASE-A0 Horizontal

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
- SUPERVISORY UG CABLE IN CONDUIT
- BL — BUILDING LINE
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- STRAIGHT THROUGH JOINT
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- INSULATED END
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- EXISTING CONDUIT
- STEEL COLUMN & 80w MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- HALF WAY BOX
- 4 WAY BOX
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE -
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2365/L — HV CABLE IDENTITY TAG
- C78/23 — FIELD NOTE REFERENCE NUMBER

LAYERS

0	1	2	3	5	7
DRG-NO	BL	KL	COND	OBST	BL-PROJ
LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
S-C	CA	RD	OS	FN	EQUIP
JOINTS	TEMP	RCL			

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
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BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B789
CONDUIT PLAN	CF789
DISTRIBUTION LV PLAN	D789

BASE LAST UPDATED ON 17/04/13

REVISION

CURRENT REVISION

21/06/13	D	BASE UPDATED;CP&PCA

A B C D E
F G H J K

FIELD NOTES

CP41/5075447/4		

LOCALITY PLAN

677	788	785
678	789	786
679	790	787

CITIPOWER

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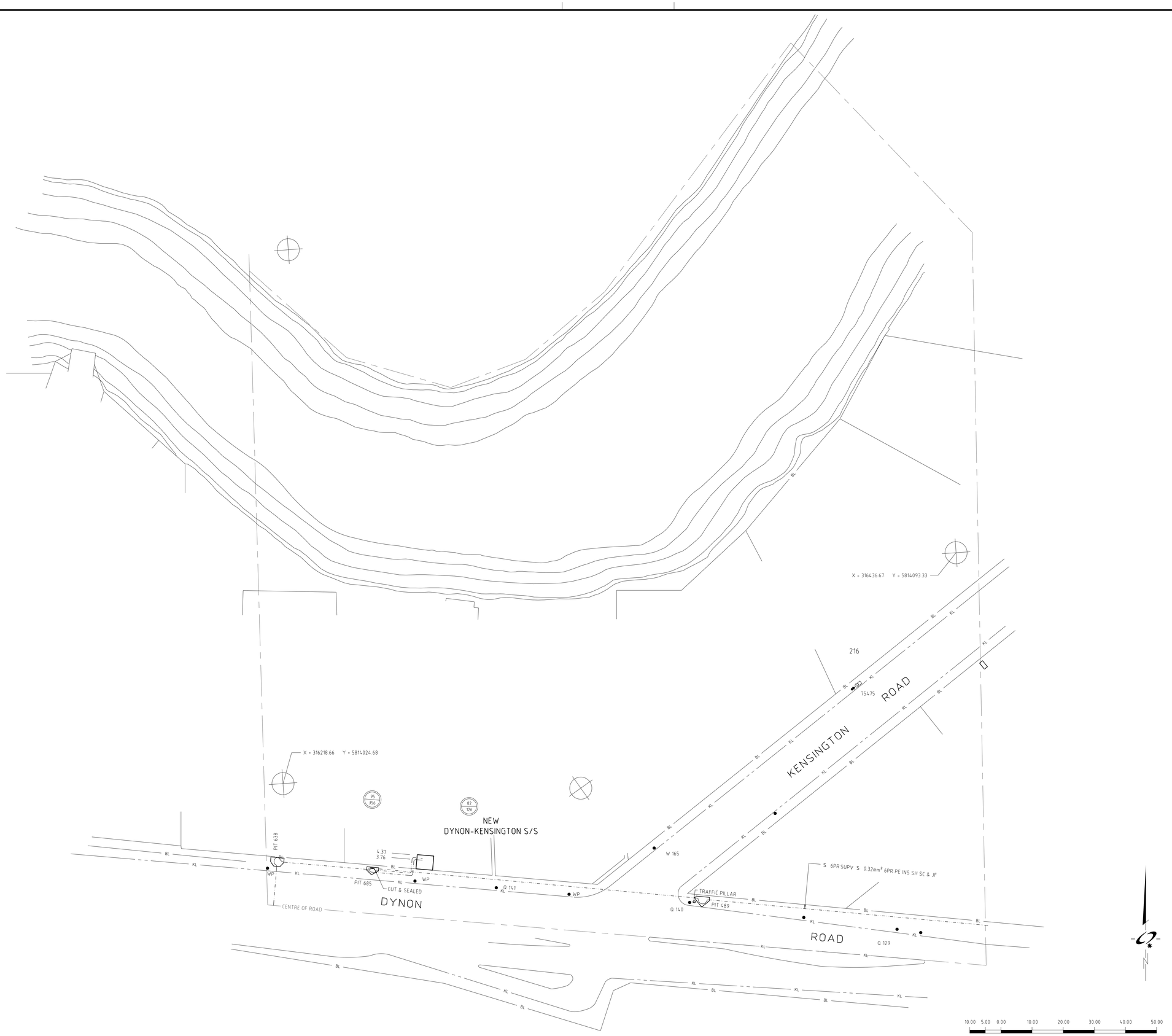
ACN 064 651 956
35 Rooney Street
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

ORIGINAL SCALE 1:500

S789

A0



LAYERS						
	0	1	2	3	5	7
	DRG-NO	BL	KL	COND	OBST	BL-PROJ
	LVD-D	LVD-C	HVD-D	L-D	L-C	S-D
	S-C	CA	RD	OS	FN	EQUIP
	JOINTS	TEMP	RCL			

LEGEND

- HV UG CABLE BURIED DIRECT
- LV UG CABLE BURIED DIRECT
- LV UG CABLE IN CONDUIT
- PUBLIC LIGHTING CABLE BURIED DIRECT
- PUBLIC LIGHTING CABLE IN CONDUIT
- SUPERVISORY UG CABLE BURIED DIRECT
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- CABLE HEAD POLE -
  - ▷ HV CABLE TERMINATION
  - ▶ LV CABLE TERMINATION
- OCCUPIED CONDUITS
- SPARE CONDUIT
- GIS ALIGNMENT MARK (INTERNAL)
- 2345 / 4 — HV CABLE IDENTITY TAG
- C78 / 23 — FIELD NOTE REFERENCE NUMBER

ABBREVIATIONS

D/E	DUCT END (CONDUIT END)	(A)	ABANDONED
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CI	CAST IRON	CHP	CABLE HEAD POLE
EW	EARTHENWARE	PL	PUBLIC LIGHTING
GI	GALVANIZED IRON	POE	POINT OF ENTRY
BL PROJ	BUILDING LINE PROJECTION	SERV	SERVICE
(C/A)	CUT & ABANDONED	BOW	BOX ON WALL

ADDITIONAL DRAWINGS

BASE PLAN	B872
CONDUIT PLAN	CFB72
DISTRIBUTION LV PLAN	D872
LIGHTING PLAN	L872

BASE PLAN LAST UPDATED : 07-04-15

REVISION

CURRENT REVISION

07/04/15	C	BASE PLAN UPDATED (MRD)

A B C D E
F G H J K

FIELD NOTES

-			

LOCALITY PLAN

	785	
873	872	788
651	652	677

CITIPOWER

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Facsimile (03) 9297 6350

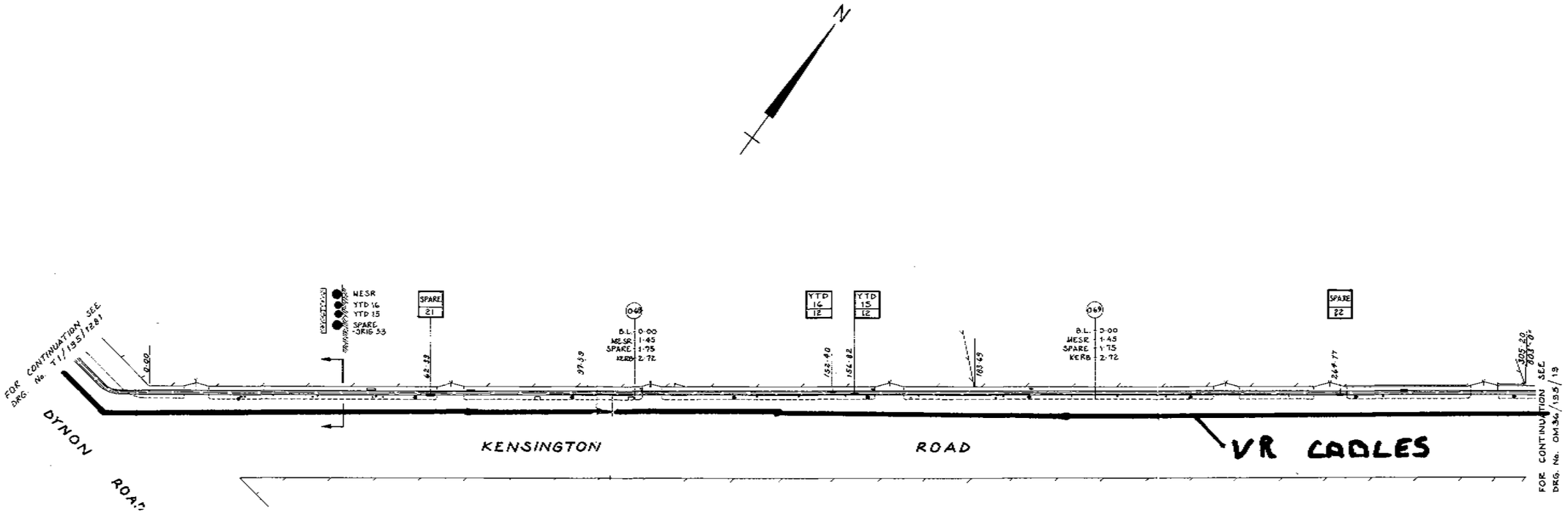
ORIGINAL SCALE: 1:500

S872

CitiPOWER Pty - AutoCAD XM-BASE-B1 Vertical

802 x 667mm

B1



10 0 10 m 20 30 40 50 60 70 m

1 : 500

ALL DIMENSIONS ARE IN METRES

REFERENCE DRAWINGS			REVISION						
METROPOLITAN UNDERGROUND CABLE SYSTEM KEY MAP TO ROUTE PLANS	OM 36/195								
			23-10-86	B	DRAWING METRICATED & UPDATED.	A J C	[illegible]		
			DATE		REMARKS	CHECKED	PASSED		

DRAWN A.J.C. 23-9-86
CHECKED A.J.C.
[signature] 30.10.86
DRAUGHTSMAN
DESIGN ENGINEERS
APPROVED
[signature]
[signature] 30/10/86
PRINCIPAL DESIGN ENGINEER TRANSMISSION

SEC

STATE ELECTRICITY COMMISSION OF VICTORIA
TRANSMISSION DEVELOPMENT DEPARTMENT

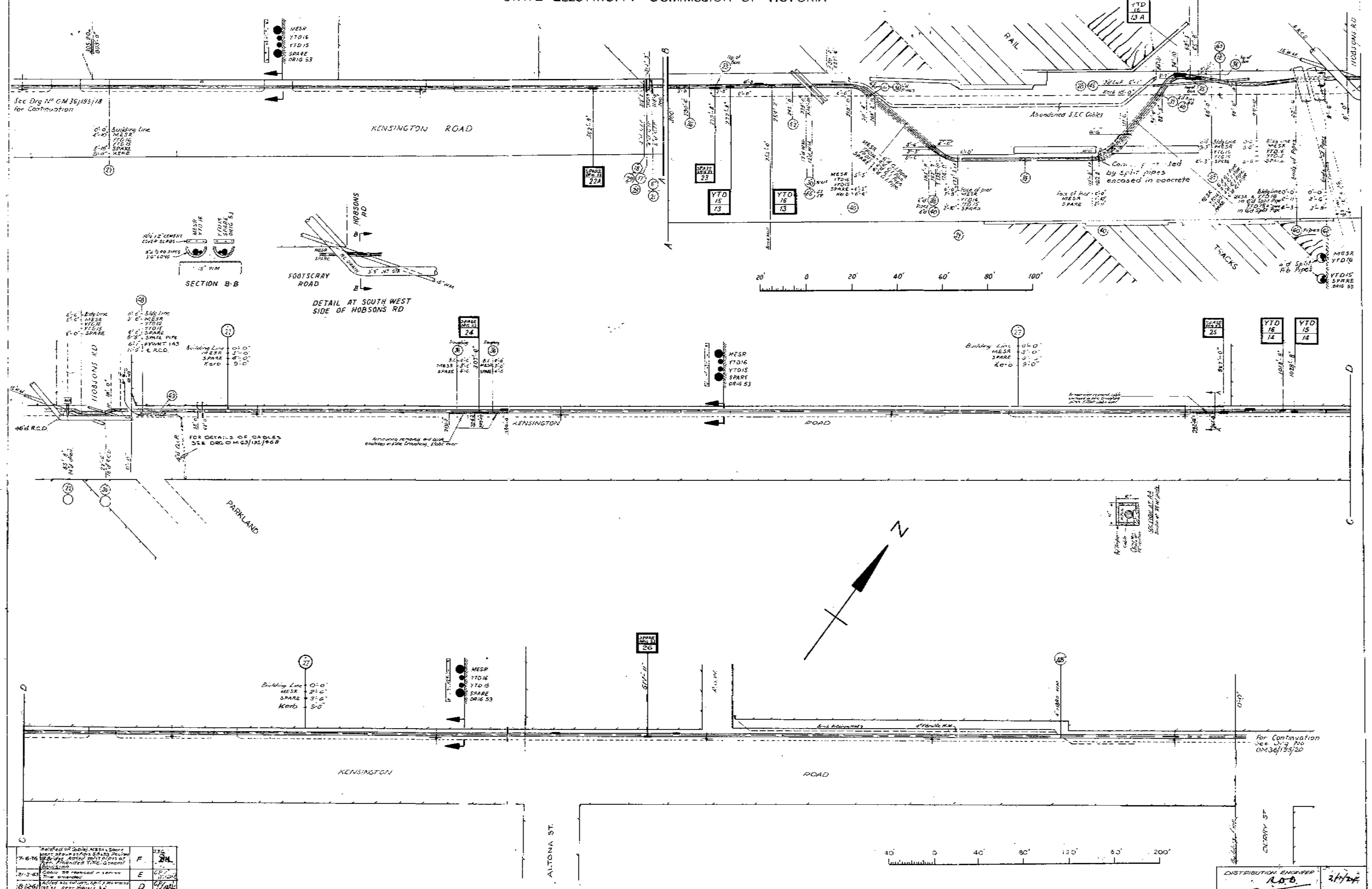
OM 36/195/18 A B

UNDERGROUND CABLE ROUTE PLAN
KENSINGTON ROAD
FOOTSCRAY

SECV STD A1

566 x 201mm

STATE ELECTRICITY COMMISSION OF VICTORIA



DATE	REMARKS		CHECKED BY
7-6-76	Deleted VR Cables MESR & Spare were shown as Frs 58 & 53. Revised VR Bridge. Added split pipes at Ren. Amended Title. General Revision	F	
21-3-63	Cable 58 replaced in service. Title amended	E	
8-12-61	Added 4 4/5 cul cert. split pipes across rd near Hobsons Rd	D	
29-7-24	Revised Joint 53 and added Joint 53	A	
10-8-26	Added joint 58. Revd joint 53	B	
26-9-38	Added 4 1/2 "FS 1912 R.W. in Footscray Road opposite Bay View Terrace	Drawing Renumbered	
8-12-46	Armour wire removed and cable 53 enclosed in troughing at 24, 25 joint pits	A	
30-1-42	Added details of 5" 4 2/a Storm Drain and 15" W.M. at S.W. Hobsons Road	B	
7-1-58	Revised. Cable route under Rly Bridge. Cable 158 renumbered YTD16, YTD15	C	

23-8-88	G	SPARE WAS ORIG 53 & GENERAL REVISION		GTP	
DATE		REMARKS	CHECKED	PASSED	

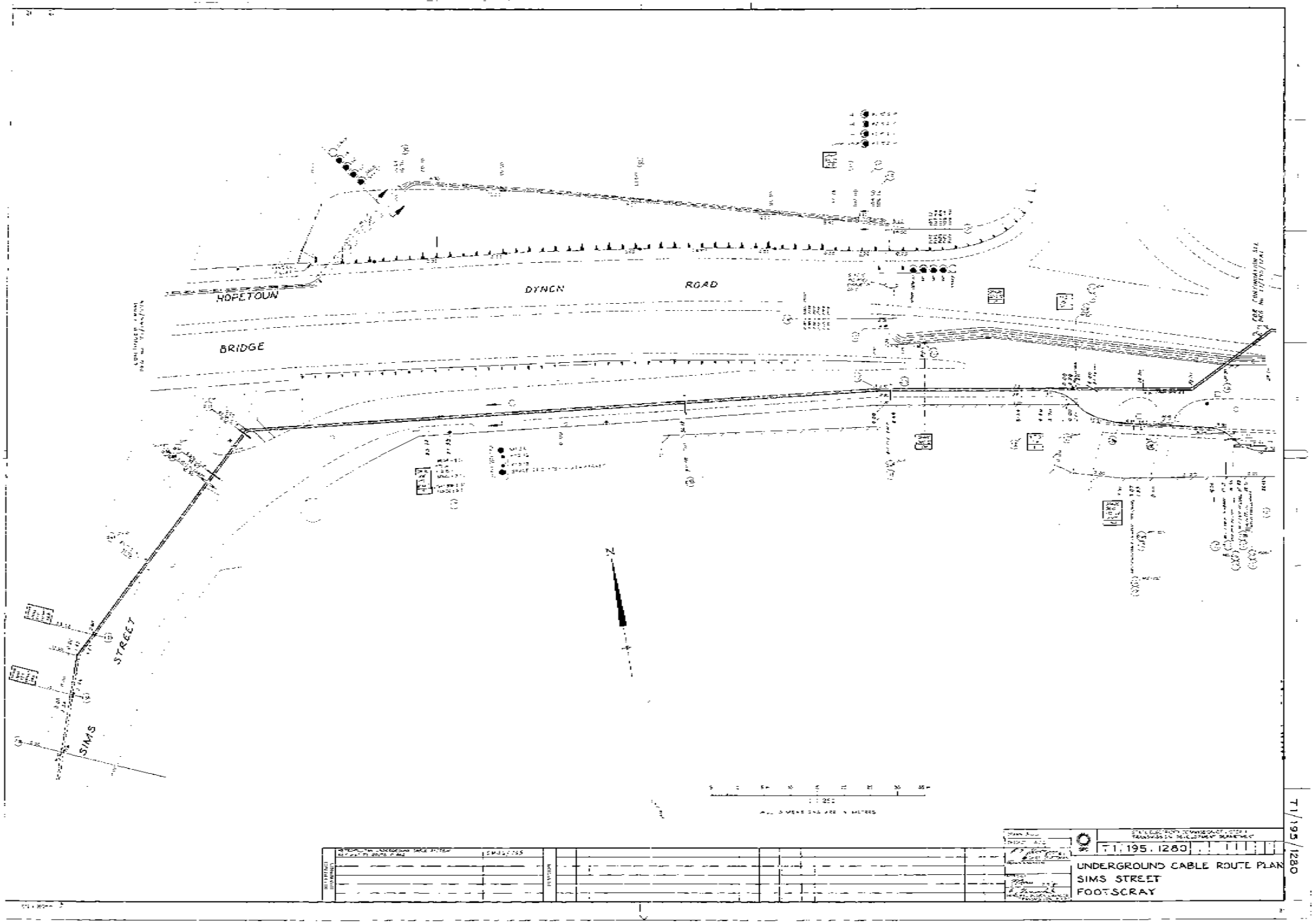
DRAWING SCHEDULE	TITLE	DRG Nº
Key Map	Metropolitan Underground Cable System Route Plans	OM36/195

UNDERGROUND CABLE ROUTE PLAN
KENSINGTON ROAD
KENSINGTON

DRAWN BY	
TRACED BY	
CHECKED BY	
CHIEF DRAFTSMAN	17-12-23
SECTION Nº OM 17	

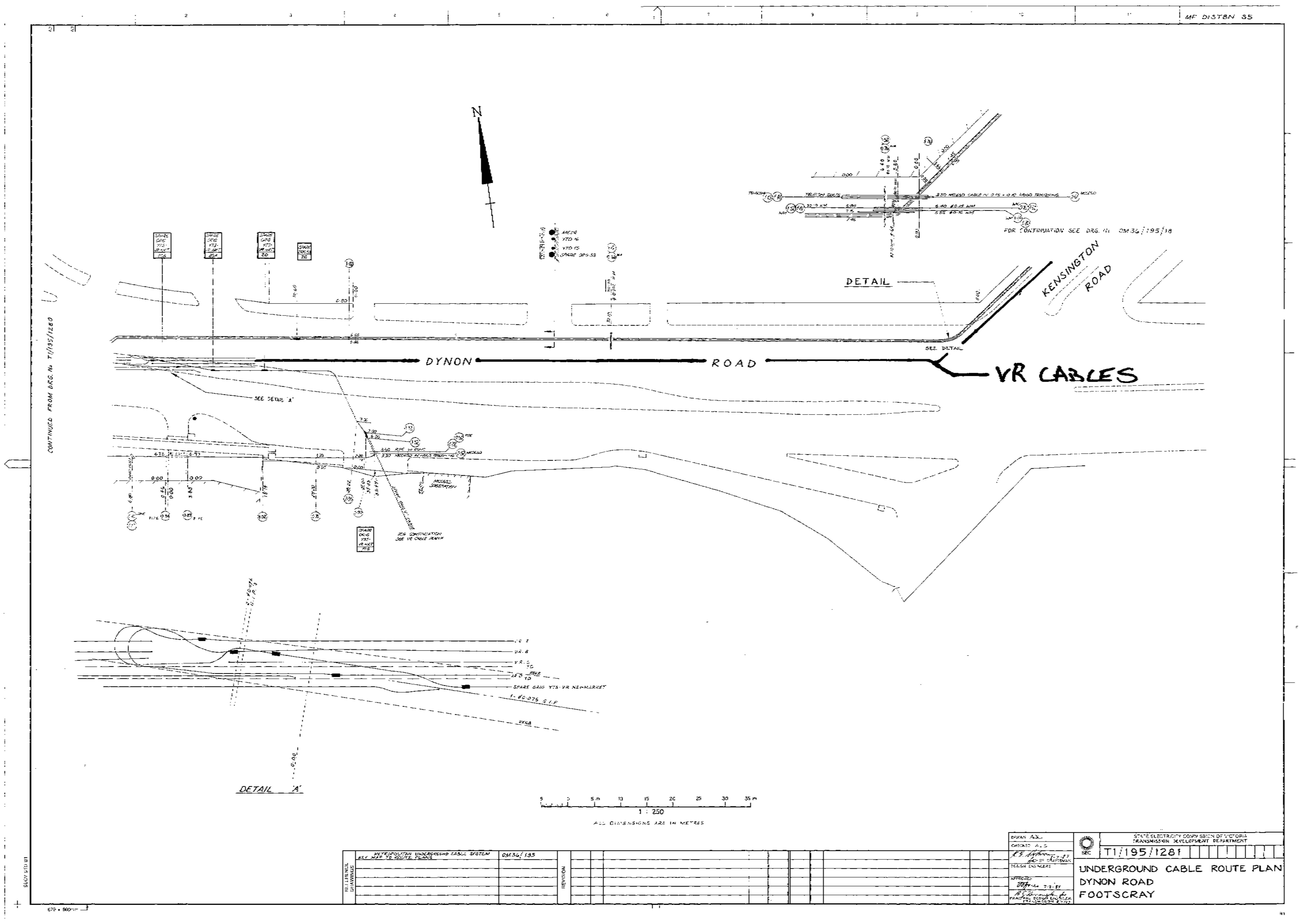
DISTRIBUTION ENGINEER 2/1/24
ELECTRICAL ENGINEER
CHIEF ENGINEER

DRG Nº OM 36/195/19 G

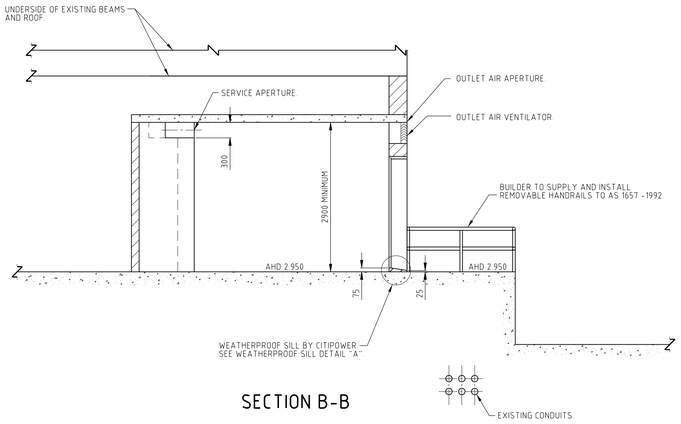


T1/195/1280

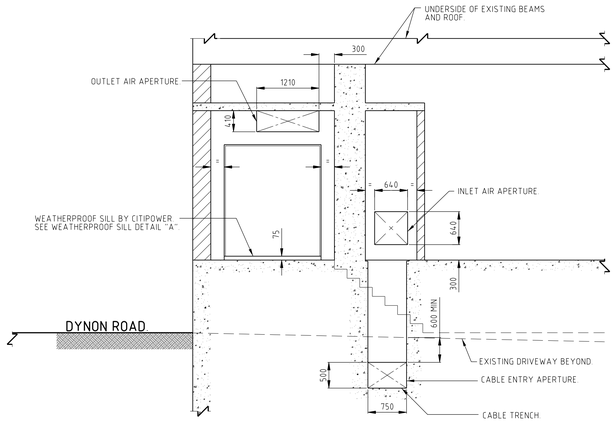
UNDERGROUND CABLE ROUTE PLAN
SIMS STREET
FOOTSCRAY


MF DISTBN 35
CONTINUED FROM DRG. No T1/195/1280
N
DYNON ROAD
VR CABLES
KENSINGTON ROAD
DETAIL
SEE DETAIL
SEE DETAIL 'A'
FOR CONTINUATION SEE DRG. No. OM36/195/18
DETAIL 'A'
SPARE GRIG YTS-VR NEWMARKET
1 : 250
ALL DIMENSIONS ARE IN METRES
METROPOLITAN UNDERGROUND CABLE SYSTEM KEY MAP TO ROUTE PLANS
OM36/195
REFERENCE DRAWINGS
REVISION
STATE ELECTRICITY COMMISSION OF VICTORIA
TRANSMISSION DEVELOPMENT DEPARTMENT
T1/195/1281
UNDERGROUND CABLE ROUTE PLAN
DYNON ROAD
FOOTSCRAY

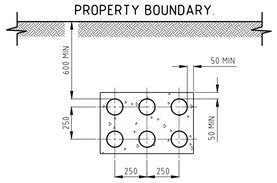
994 x 592mm



SECTION B-B

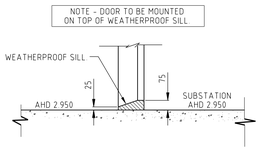


SECTION C-C



PIPE FORMATION AT PROPERTY BOUNDARY

SCALE 1:20



WEATHERPROOF SILL DETAIL 'A'.

SCALE 1:20

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SCHEDULE NUMBER 3397, DATED 15/11/95.

NOTES

1. ALL WORK, OTHER THAN THE INSTALLATION OF ELECTRICAL EQUIPMENT, SHALL BE CARRIED OUT BY THE BUILDER, EXCEPT WHERE STATED TO BE BY CITIPOWER.

WORKS TO BE CARRIED OUT BY BUILDER.

2. SUPPLY AND INSTALL 2140 HIGH X 1820 WIDE WEATHERPROOF, 2 HOUR RATED FIRE DOOR, AND SUITABLE FRAME. DOOR TO BE FITTED 75 ABOVE SUBSTATION FLOOR LEVEL. FIT LOCKWOOD 572-505-IN-RH MORTICE ESCAPE LATCH WITH INTERNAL LEVER HANDLE TO FIRST OPENING LEAF, AND ALL NECESSARY FURNITURE REQUIRED FOR SELF CLOSING DOORS. (CITIPOWER TO CONSTRUCT WEATHERPROOF SILL TO DETAIL).

3. FORM 1220(W) X 410(H) OUTLET AIR APERTURE IN LOCATION SHOWN. INSTALL LOUVERED OUTLET VENTILATOR AND FIRE SHUTTER. (ITEMS SUPPLIED BY CITIPOWER). NOTE - WIRE MESH ON VENTILATOR TO BE TO OUTSIDE OF SUBSTATION. SEE DRG. NO. 2456/301 REV J. THIS FIRE SHUTTER MUST BE MOUNTED USING M10 "LOXINS".

4. FORM 640(W) X 640(H) INLET AIR APERTURE IN LOCATION SHOWN. INSTALL LOUVERED INLET VENTILATOR AND DUCT TYPE FIRE SHUTTER (EXTENDED FLANGE). (ITEMS SUPPLIED BY CITIPOWER). NOTE - WIRE MESH ON VENTILATOR TO BE TO OUTSIDE OF SUBSTATION. SEE DRG. NO. 2456/301 REV J. THIS FIRE SHUTTER MUST BE MOUNTED USING M12 "LOXINS".

5. FORM SERVICE APERTURE IN LOCATION SHOWN AND RESTORE FIRE RATING AS DIRECTED BY CITIPOWER AFTER INSTALLATION OF THE SERVICE.

6. CONSTRUCT CABLE TRENCH WITH SUITABLE REBATES IN LOCATION SHOWN. SUPPLY AND INSTALL GALVANIZED STEEL OR ALUMINUM COVERS IN SECTIONS OF MAXIMUM LENGTH 1 METER EACH AND WEIGHING NOT MORE THAN 20KG. COVERS TO BE SUITABLY CONSTRUCTED AND INSTALLED TO SUPPORT THE WEIGHT OF PEDESTRIAN TRAFFIC.

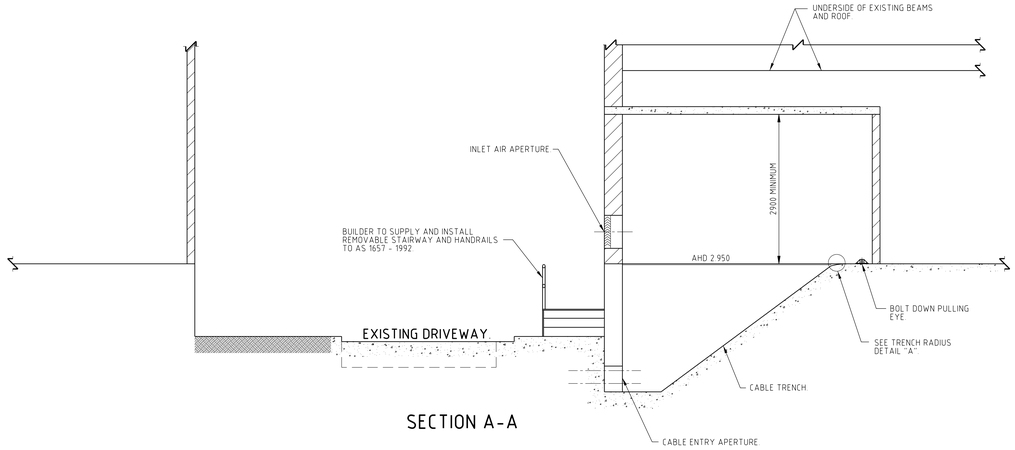
7. BOLT DOWN PULLING EYE IN LOCATION SHOWN WITH "HILTI" HSL-B M12/25 HEAVY DUTY ANCHORS. PULLING EYE TO BE INSTALLED ON THE SUBSTATION FLOOR WHICH IS TO BE CAPABLE OF WITHSTANDING A LOAD OF 98KN (10 TONNE), SO THAT A 5 TONNE PULLING LOAD CAN BE APPLIED IN ANY DIRECTION ON THE EYE. ITEM SUPPLIED BY CITIPOWER.

8. FORM 2100(W) X 2750(L) EQUIPMENT LANDING PAD IN LOCATION SHOWN. LANDING PAD TO BE CAPABLE OF SUPPORTING THE WEIGHT OF ANY EQUIPMENT MOUNTED OR MOVED ON IT. SUPPLY AND INSTALL REMOVABLE HANDRAILS TO AS 1657-1992.

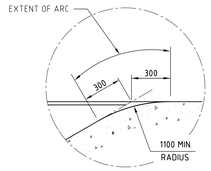
9. SUPPLY AND INSTALL REMOVABLE STAIRWAY AND HANDRAIL TO AS 1657-1992 IN LOCATION SHOWN.

10. INSTALL EARTH PLATE IN POSITION SHOWN, UNDER THE SUPERVISION OF CITIPOWER. (MINIMUM OF 300 SOIL COVER REQUIRED). TAIL TO ENTER THE SUBSTATION IN POSITION MARKED X. (ITEM SUPPLIED BY CITIPOWER).

11. FORM 500 HIGH X 750 WIDE CABLE ENTRY APERTURE IN LOCATION SHOWN.

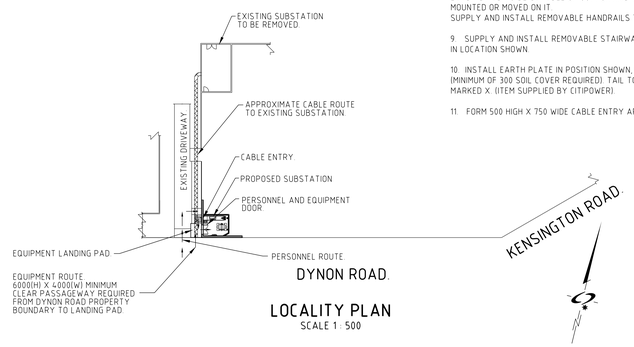


SECTION A-A



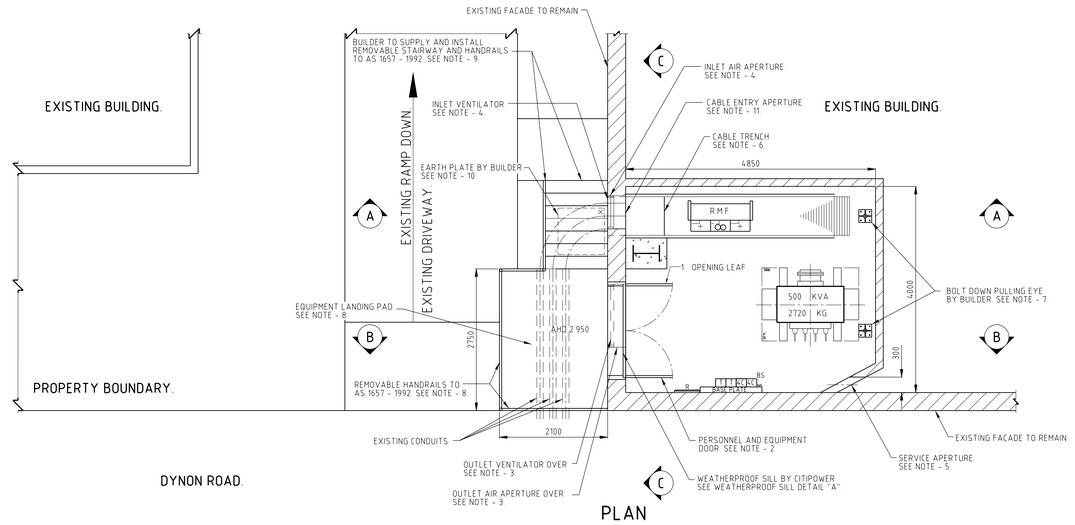
TRENCH RADIUS DETAIL 'A'

SCALE 1:20

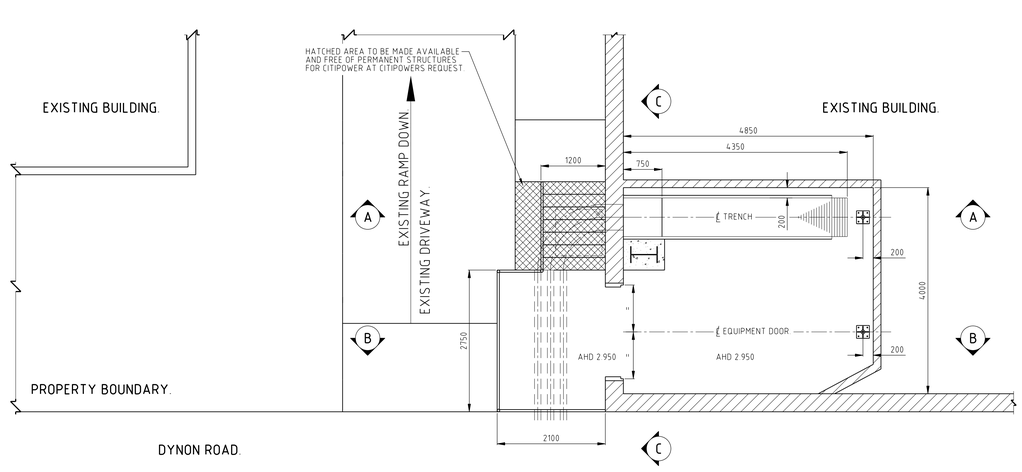


LOCALITY PLAN

SCALE 1: 500



PLAN



FLOOR PLAN

THIS PLAN IS FOR THE PURPOSE ONLY OF INDICATING THE REQUIREMENTS FOR AN ELECTRIC SUPPLY SUBSTATION AND SHOULD NOT BE USED AS A BUILDING CONSTRUCTION DRAWING.

LAYERS

0	1	2	3	5
7	TEMP			

REFERENCE DRAWINGS

CITIPOWER
POSTAL ADDRESS
Locked Bag 14031
Melbourne Mail Centre Vic 8001
CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121
Telephone (03) 9297 8900
Facsimile (03) 9297 6350

CURRENT REVISION	30.9.02	E	SUBSTATION REDRAWN WAS 3397
A B C D E F G H J K			CP11/643 E

DYNON - KENSINGTON
INDOOR DISTRIBUTION SUBSTATION
BUILDING DETAILS & GEN ARRANGEMENT

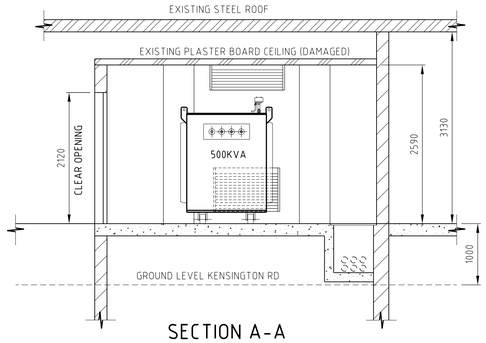
DRAWN	ZK	19/10/95
CHECKED		
APPROVED	George Thurston	

PROJECT No. 44/73

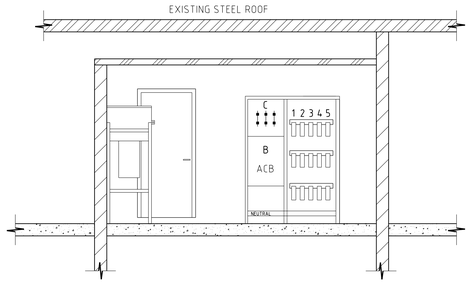
SCALE 1:50

B1

CitiPOWER Pty - AutoCAD B1 Horizontal



SECTION A-A



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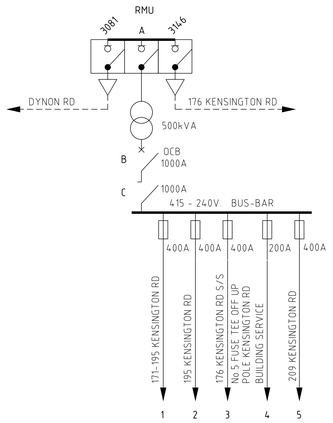
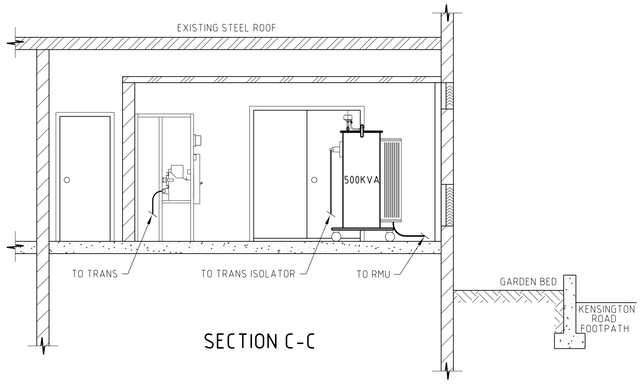
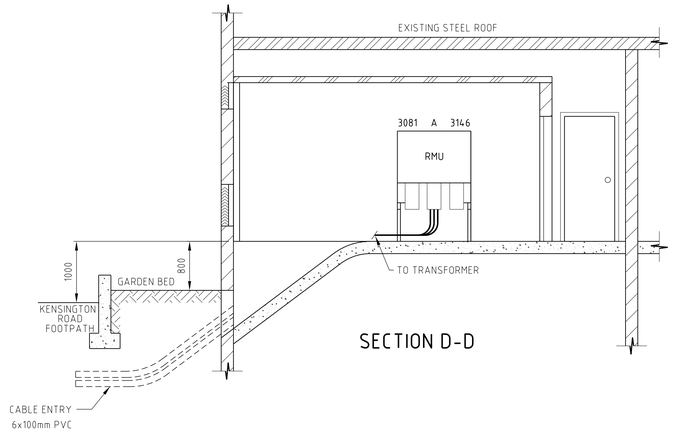


EXISTING CONNECTION DIAGRAM



SECTION C-C



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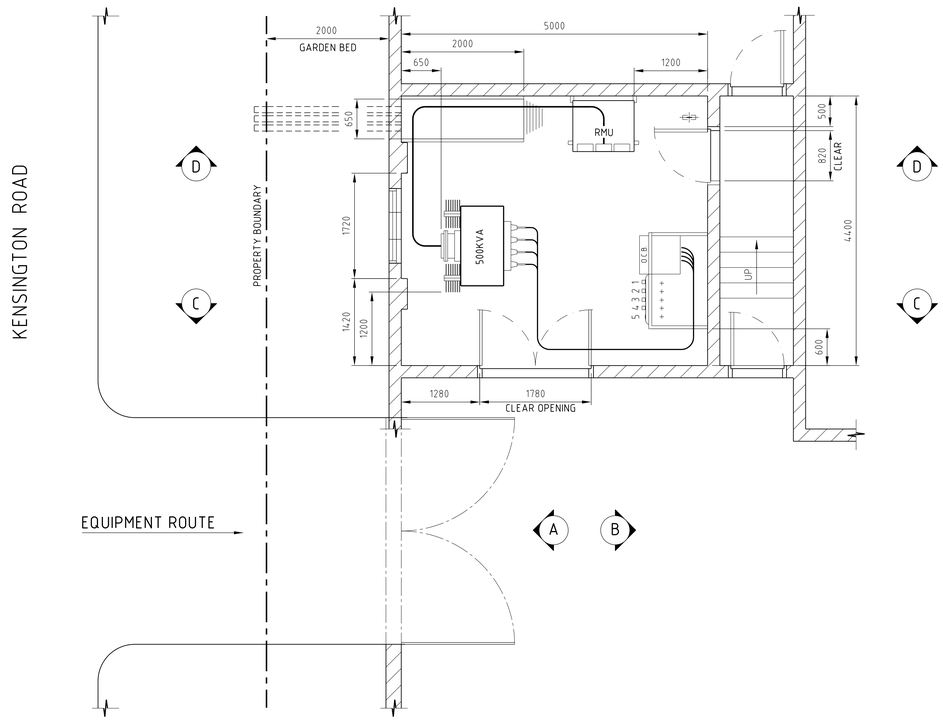
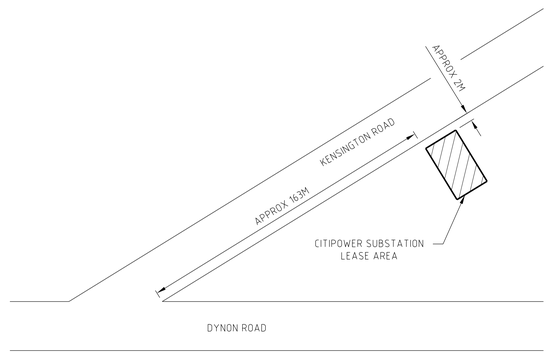


PLAN



LOCALITY PLAN
N.T.S.
MELWAY MAP REFERENCE : 42 G4

WEST MELBOURNE

LAYERS					
	0	1	2	3	5
	7	TEMP			

REFERENCE DRAWINGS		
	NETWORK SAP No.	5067082

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CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

CURRENT REVISION	3.12.12	D	SUBSTATION SURVEYED AND DRAWN AS CONSTRUCTED BALPARA (PB)
A B C D E F G H J K			CP11/1096 D

201 KENSINGTON ROAD
INDOOR DISTRIBUTION SUBSTATION
ENCLOSURE LAYOUT - AS CONSTRUCTED
WEST MELBOURNE MEL REF 42 G4

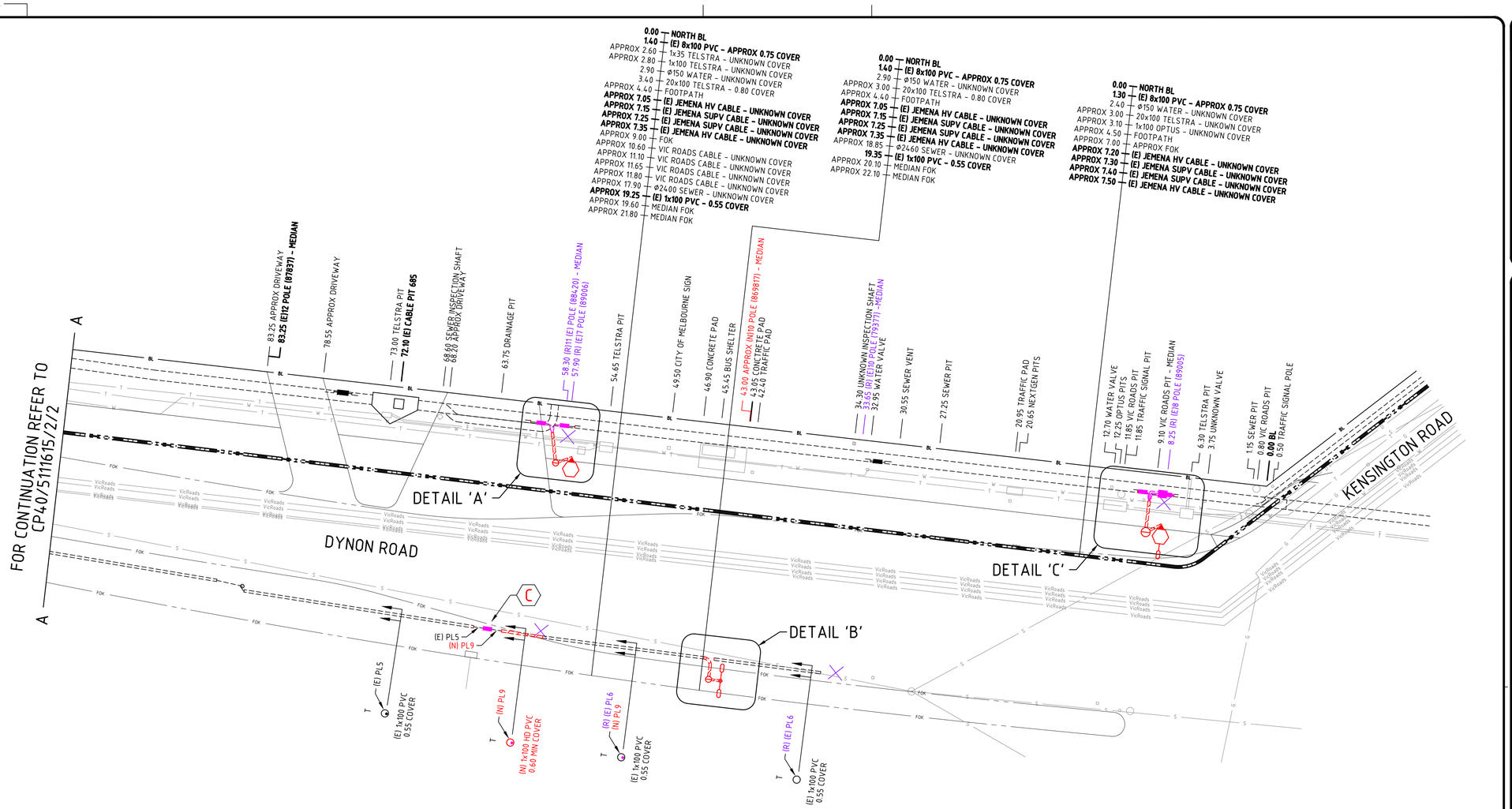
DRAWN BALPARA (PB) 8-10-10	
CHECKED BALPARA (PB)	
APPROVED GK	SCALE 1:50

CitiPOWER Pty - AutoCAD A1 Vertical

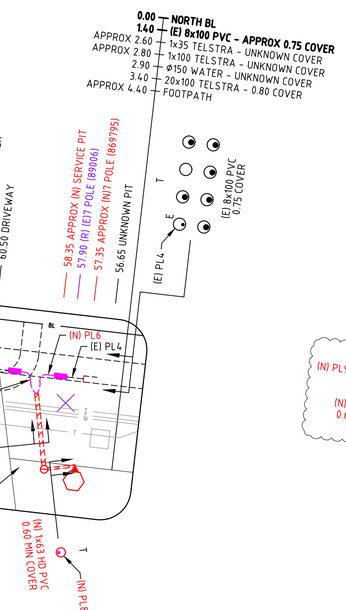
660 x 566mm

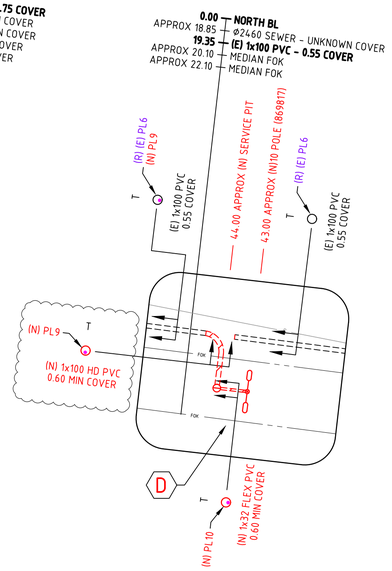
A1

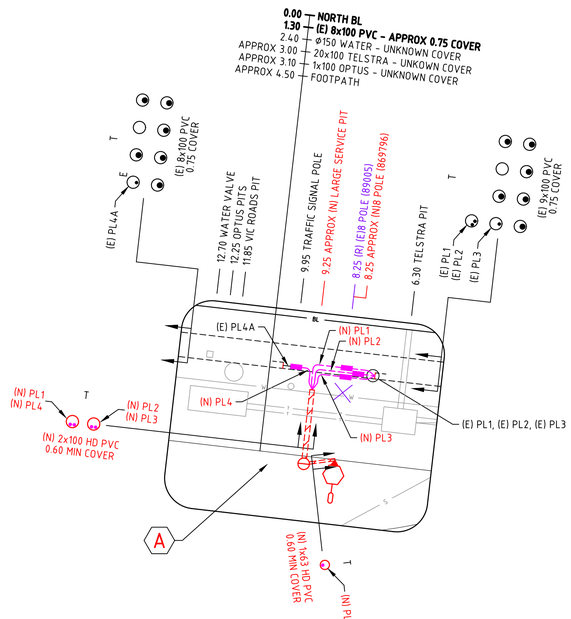
662x554



CABLE ID	CABLE DESCRIPTION	CABLE DESTINATION
(E) PL1	16 1c NS LV Cu PVC 'B'	FROM (E) POLE (86936) TO (E)8 POLE (89005)
(E) PL2	16 1c NS LV Cu PVC 'B'	FROM (E) POLE (86936) TO (E)8 POLE (89005)
(E) PL3	25.5 TWIN LV Cu SWA&S	FROM (E) POLE (85556) TO (E)8 POLE (89005)
(E) PL4	25.5 4c LV Cu SWA&S	FROM (E)8 POLE (89005) TO (E)6 POLE (89007) UGT TO (E)7 POLE (89006)
(E) PL4A	25.5 4c LV Cu SWA&S	
(E) PL4B	25.5 3c LV Cu SWA&S	
(E) PL5	25.5 TWIN LV Cu SWA&S	FROM (E)12 POLE (87837) TO (E)11 POLE (88420)
(E) PL6	25.5 TWIN LV Cu	FROM (E)11 POLE (88420) TO (E)10 POLE (79377)
(N) PL1	16 2c LV c.x.	FROM (N) PL JOINT TO (N) LARGE SERVICE PIT
(N) PL2	16 2c LV c.x.	FROM (N) PL JOINT TO (N) LARGE SERVICE PIT
(N) PL3	35 4c LV c.x.	FROM (N) PL JOINT TO (N) LARGE SERVICE PIT
(N) PL4	35 4c LV c.x.	FROM (N) PL JOINT TO (N) LARGE SERVICE PIT
(N) PL5	6 2c LV c.v.	FROM (N) SERVICE PIT TO (N)8 POLE (869796)
(N) PL6	35 4c LV c.x.	FROM (N) PL JOINT TO (N) SERVICE PIT
(N) PL7	35 4c LV c.x.	FROM (N) PL JOINT TO (N) SERVICE PIT
(N) PL8	16 2c LV c.v.	FROM (N) SERVICE PIT TO (N)7 POLE (869795)
(N) PL9	16 2c LV c.x.	FROM (N) PL JOINT TO (N) SERVICE PIT
(N) PL10	6 2c LV c.v.	FROM (N) SERVICE PIT TO (N)10 POLE (869817)







EXISTING UG CABLES
- HV (66, 22, 11 & 6.6 kV)
- LV MAINS
- LV SERVICE
- PUBLIC LIGHTING
- SUPERVISORY
- OPTIC FIBRE
- EARTH

NEW UG CABLES
- HV (66, 22, 11 & 6.6 kV)
- LV MAINS
- LV SERVICE
- PUBLIC LIGHTING
- SUPERVISORY
- OPTIC FIBRE
- EARTH

- STRAIGHT JOINT
- TEE JOINT (TYPICAL)
- INSULATED END
- SEALED END
- CUT END
- BOUNDARY LINE (BL)
- BACK OF KERB (BOK)
- FACE OF KERB (FOK)
- CONDUIT - EXISTING
- CONDUIT - NEW
- CONDUIT - OCCUPIED
- CONDUIT - SPARE
- SERVICE PIT (TYPICAL)
- SERVICE PIT (ROADWAY)
- SERV CONNECTION FACILITY
- LV DISTRIBUTION CABINET
- PILLAR (PARALLELING)
- POLE NUMBER (56096)
- SUBTRANSMISSION POLE
- HV POLE
- LV POLE (GENERAL)
- HV CABLE TERMINATION
- LV CABLE TERMINATION
- PL COLUMN & LANTERN

CONSTRUCTION NOTES

- EXCAVATE AND INSTALL (N) CONDUITS [GA211] [GC031]
- EXCAVATE AND INSTALL (N) SERVICE PITS [GA211] [GS021]
- INSTALL (N) PL1 TO (N) PL21 [GA211] [GC021] [FC101]
- TERMINATE CABLE ENDS
- REINSTATE CABLE ROUTE [GA211]

(A)
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL1, (E) PL2, (E) PL3, (E) PL4
- JOINT (N) PL1 TO (E) PL1 CABLE END FROM (E) POLE (86936) [GS416]
- JOINT (N) PL2 TO (E) PL2 CABLE END FROM (E) POLE (86936) [GS416]
- JOINT (N) PL3 TO (E) PL3 CABLE END FROM (E) POLE (85556) [GS416]
- JOINT (N) PL4 TO (E) PL4A CABLE END FROM (E)6 POLE (89007) [GS416]
- REMOVE ALL REMAINING CABLE ENDS FROM (E)8 POLE (89005)
- (N) PL5 CH, CONNECT TO PL VIA (N) 1Ø FOLCB WITH (N) 20A FUSE (NC) ON (N)8 POLE (869796) [GE131] [FM111]
- TERMINATE (N) PL1, (N) PL2, (N) PL3, (N) PL4 AND (N) PL5 VIA (N) IPC'S IN (N) LARGE SERVICE PIT [GS201]

(B)
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL4 [GA211]
- JOINT (N) PL6 TO (E) PL4 CABLE END FROM (E)8 POLE (89005) [GS416]
- JOINT (N) PL7 TO (E) PL4 CABLE END FROM (E)6 POLE (89007) [GS416]
- REMOVE ALL REMAINING CABLE ENDS FROM (E)7 POLE (89006)
- (N) PL8 CH, CONNECT TO PL VIA (N) 1Ø FOLCB WITH (N) 50A FUSE (NC) ON (N)7 POLE (869795) [GE131] [FM111]
- TERMINATE (N) PL6, (N) PL7 AND (N) PL8 VIA (N) IPC'S IN (N) SERVICE PIT [GS201]
- MCC SIGN POWER POINT TO BE RELOCATED BY OTHERS

(C)
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL9 AND (E) PL10
- REMOVE (E) PL10 CABLE ENDS FROM (E)11 POLE (88420) & (E) 1x100 PVC CONDUIT
- JOINT (N) PL9 TO (E) PL9 CABLE END FROM (E)12 POLE (87837)
- REMOVE (E) PL9 CABLE END FROM (E)11 POLE (88420)

(D)
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL10
- REMOVE (E) PL10 CABLE ENDS FROM (E)10 POLE (79377) & (E) 1x100 PVC CONDUIT
- TERMINATE (N) PL9 AND (N) PL10 VIA (N) IPC'S IN (N) SERVICE PIT [GS201]
- TERMINATE (N) PL10 IN (N)10 POLE (869817) [FM101]

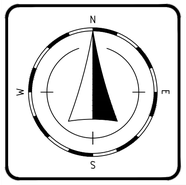
GENERAL NOTES

- FOR GENERAL ARRANGEMENT REFER TO CP40/5111615/1/1
- **WARNING:** IF TRENCHING ADJACENT TO STRUCTURES (i.e. POLES, ROAD SIGNS, ETC.) IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THEY ARE SUFFICIENTLY PROPPED/SECURED TO PREVENT MOVEMENT AND DAMAGE

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.
NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



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www.powercor.com.au

2 0 2 4 6 8 10 12
LENGTHS ARE IN METRES

SCALE 1:200

REVISION	25/05/18	CONDUIT SIZE IN DETAIL 'B' WAS 1x63 HD PVC				SMcG RDT
DRAWING NUMBER	CP40	5111615	2	1	A	SHEET 1 OF 2

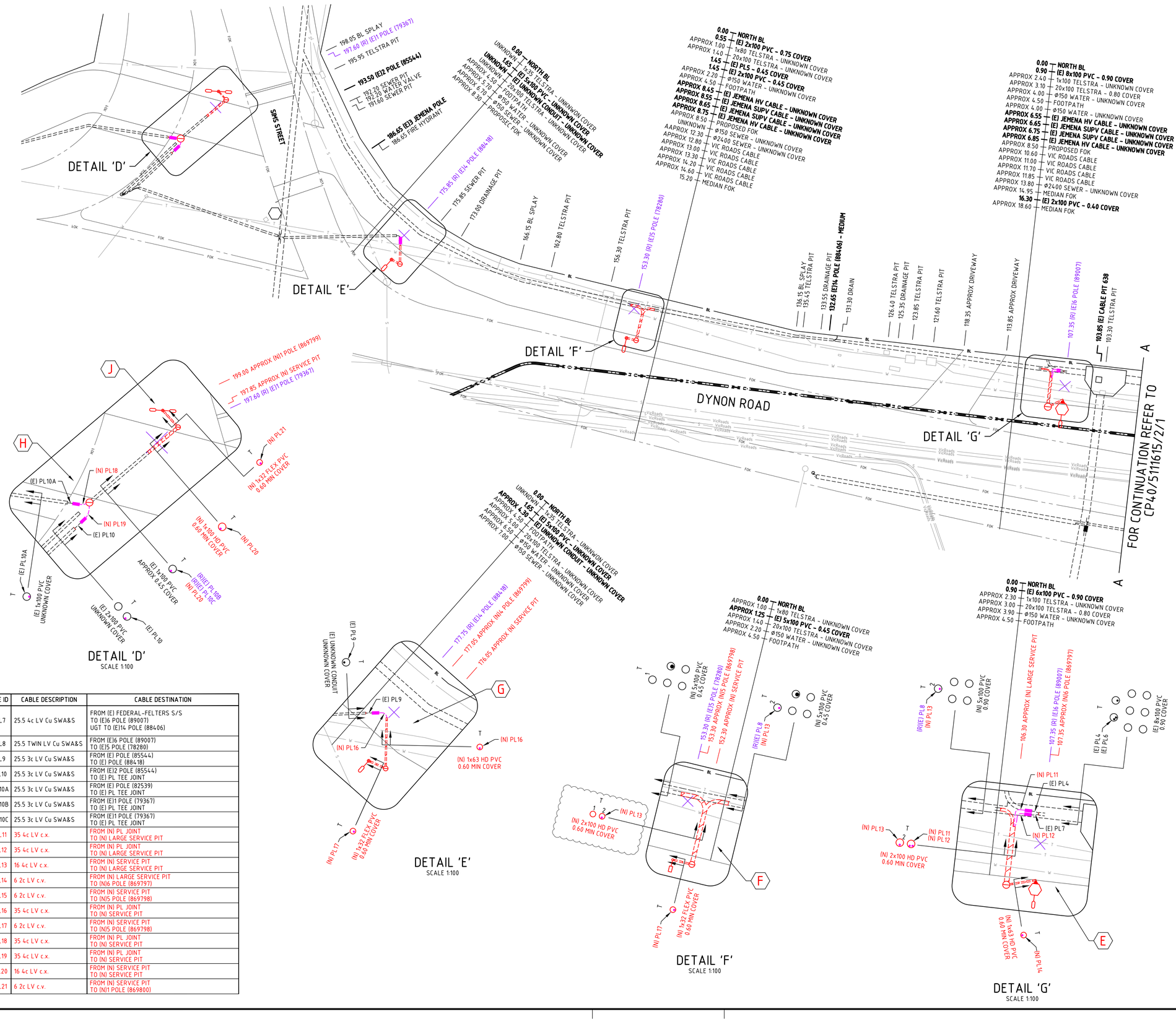
428 DYNON ROAD, WEST MELBOURNE
UG CONSTRUCTION PLAN
PL ASSET RELOCATION
DETAIL DESIGN

DRAWN	CHECKED	APPROVED	EN CHECKED	EN APPROVED IN PRINCIPLE
BALPARA (JS) 01/05/18	BALPARA (AC) 05/05/18	BALPARA (AC) 06/05/18	SMcGUIRE 15/05/18	T.TSAKIRIDIS 18/05/18

Electricity Networks - EN UG CONSTRUCTION PLAN A1 Det Design (CP) - V3.0

A1

662x554



CABLE ID	CABLE DESCRIPTION	CABLE DESTINATION
(E) PL7	25.5 4c LV Cu SWA&S	FROM (E) FEDERAL-FELTERS S/S TO (E)6 POLE (89007) UGT TO (E)14 POLE (88406)
(E) PL8	25.5 TWIN LV Cu SWA&S	FROM (E)6 POLE (89007) TO (E)5 POLE (78280)
(E) PL9	25.5 3c LV Cu SWA&S	FROM (E) POLE (85544) TO (E) POLE (88418)
(E) PL10	25.5 3c LV Cu SWA&S	FROM (E)2 POLE (85544) TO (E) PL TEE JOINT
(E) PL10A	25.5 3c LV Cu SWA&S	FROM (E) POLE (82539) TO (E) PL TEE JOINT
(E) PL10B	25.5 3c LV Cu SWA&S	FROM (E)1 POLE (79367) TO (E) PL TEE JOINT
(E) PL10C	25.5 3c LV Cu SWA&S	FROM (E)1 POLE (79367) TO (E) PL TEE JOINT
(N) PL11	35 4c LV c.x.	FROM (N) PL JOINT TO (N) LARGE SERVICE PIT
(N) PL12	35 4c LV c.x.	FROM (N) PL JOINT TO (N) LARGE SERVICE PIT
(N) PL13	16 4c LV c.x.	FROM (N) SERVICE PIT TO (N) LARGE SERVICE PIT
(N) PL14	6 2c LV c.v.	FROM (N) LARGE SERVICE PIT TO (N)6 POLE (869797)
(N) PL15	6 2c LV c.v.	FROM (N) SERVICE PIT TO (N)5 POLE (869798)
(N) PL16	35 4c LV c.x.	FROM (N) PL JOINT TO (N) SERVICE PIT
(N) PL17	6 2c LV c.v.	FROM (N) SERVICE PIT TO (N)5 POLE (869798)
(N) PL18	35 4c LV c.x.	FROM (N) PL JOINT TO (N) SERVICE PIT
(N) PL19	35 4c LV c.x.	FROM (N) PL JOINT TO (N) SERVICE PIT
(N) PL20	16 4c LV c.x.	FROM (N) SERVICE PIT TO (N) SERVICE PIT
(N) PL21	6 2c LV c.v.	FROM (N) SERVICE PIT TO (N)1 POLE (869800)

EXISTING UG CABLES
- HV (66, 22, 11 & 6.6 kV)
- LV MAINS
- LV SERVICE
- PUBLIC LIGHTING
- SUPERVISORY
- OPTIC FIBRE
- EARTH

NEW UG CABLES
- HV (66, 22, 11 & 6.6 kV)
- LV MAINS
- LV SERVICE
- PUBLIC LIGHTING
- SUPERVISORY
- OPTIC FIBRE
- EARTH

- STRAIGHT JOINT
- TEE JOINT (TYPICAL)
- INSULATED END
- SEALED END
- CUT END
- BL — BOUNDARY LINE
- BOK — BACK OF KERB
- FOK — FACE OF KERB
- CONDUIT - EXISTING
- CONDUIT - NEW
- CONDUIT - OCCUPIED
- CONDUIT - SPARE
- SERVICE PIT (TYPICAL)
- SERVICE PIT (ROADWAY)
- SERV CONNECTION FACILITY
- LV DISTRIBUTION CABINET
- PILLAR (PARALLELING)
- (56096) POLE NUMBER
- SUBTRANSMISSION POLE
- HV POLE
- LV POLE (GENERAL)
- HV CABLE TERMINATION
- LV CABLE TERMINATION
- PL COLUMN & LANTERN

CONSTRUCTION NOTES

- EXCAVATE AND INSTALL (N) CONDUITS [GA211] [GC031]
- EXCAVATE AND INSTALL (N) SERVICE PITS [GA211] [GS021]
- INSTALL (N) PL1 TO (N) PL21 [GA211] [GC021] [FC101]
- TERMINATE CABLE ENDS
- REINSTATE CABLE ROUTE [GA211]

E
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL4, (E) PL7 AND (E) PL8
- JOINT (N) PL11 TO (E) PL4 CABLE END FROM (E)7 POLE (89006) [GS416]
- JOINT (N) PL12 TO (E) PL7 CABLE END FROM (E) FEDERAL-FELTERS S/S [GS416]
- REMOVE ALL REMAINING CABLE ENDS FROM (E)6 POLE (89007)
- REMOVE (E) PL8 FROM (E) 1x100 CONDUIT
- (N) PL14 CH, CONNECT TO PL VIA (N) 1Ø FOLCB WITH (N) 20A FUSE (NC) ON (N)6 POLE (869797) [GE131] [FM111]
- TERMINATE (N) PL11, (N) PL12, (N) PL13 AND (N) PL14 VIA (N) IPC'S IN (N) LARGE SERVICE PIT [GS201]

F
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL8
- REMOVE (E) PL8 CABLE END FROM (E) POLE (78280) AND (E) 1x100 CONDUIT
- TERMINATE (N) PL13 AND (N) PL15 VIA (N) IPC'S IN (N) SERVICE PIT [GS201]
- TERMINATE (N) PL15 IN (N)5 PL POLE (869798) [FM101]

G
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL9
- JOINT (N) PL16 TO (E) PL9 CABLE END FROM (E) POLE (85544) [GS416]
- REMOVE (E) PL9 CABLE END FROM (E)4 POLE (88418)
- TERMINATE (N) PL16 AND (N) PL17 VIA (N) IPC'S IN (N) SERVICE PIT [GS201]
- TERMINATE (N) PL17 IN (N)4 PL POLE (869799) [FM101]

H
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL10, (E) PL10A, (E) PL10B AND (E) PL10C
- JOINT (N) PL18 TO (E) PL10A CABLE END FROM (E) POLE (82539) [GS416]
- JOINT (N) PL19 TO (E) PL10 CABLE END FROM (E)2 POLE (85544) [GS416]
- REMOVE (E) PL10B AND (E) PL10C CABLE ENDS FROM (E) 1x100 PVC CONDUIT
- TERMINATE (N) PL18, (N) PL19 AND (N) PL20 VIA (N) IPC'S IN (N) LARGE SERVICE PIT [GS201]

J
- EXCAVATE, BREAKOUT, IDENTIFY AND CUT (E) PL10B AND (E) PL10C
- REMOVE (E) PL10B AND (E) PL10C CABLE ENDS FROM (E) POLE (79367) AND (E) 1x100 PVC CONDUIT
- TERMINATE (N) PL20 AND (N) PL21 VIA (N) IPC'S IN (N) SERVICE PIT [GS201]
- TERMINATE (N) PL21 (N)1 PL POLE (869800) [FM101]

GENERAL NOTES

- FOR GENERAL ARRANGEMENT REFER TO CP40/5111615/1/1
- **WARNING:** IF TRENCHING ADJACENT TO STRUCTURES (i.e. POLES, ROAD SIGNS, ETC.) IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THEY ARE SUFFICIENTLY PROPPED/SECURED TO PREVENT MOVEMENT AND DAMAGE

WARNING

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www.powercor.com.au

LENGTHS ARE IN METRES

SCALE 1:200

REVISION	25/05/18	CONDUIT SIZE IN DETAIL 'F' WAS 2x63 HD PVC				SMcG RDT
DRAWING NUMBER	CP40	5111615	2	2	A	SHEET 2 OF 2

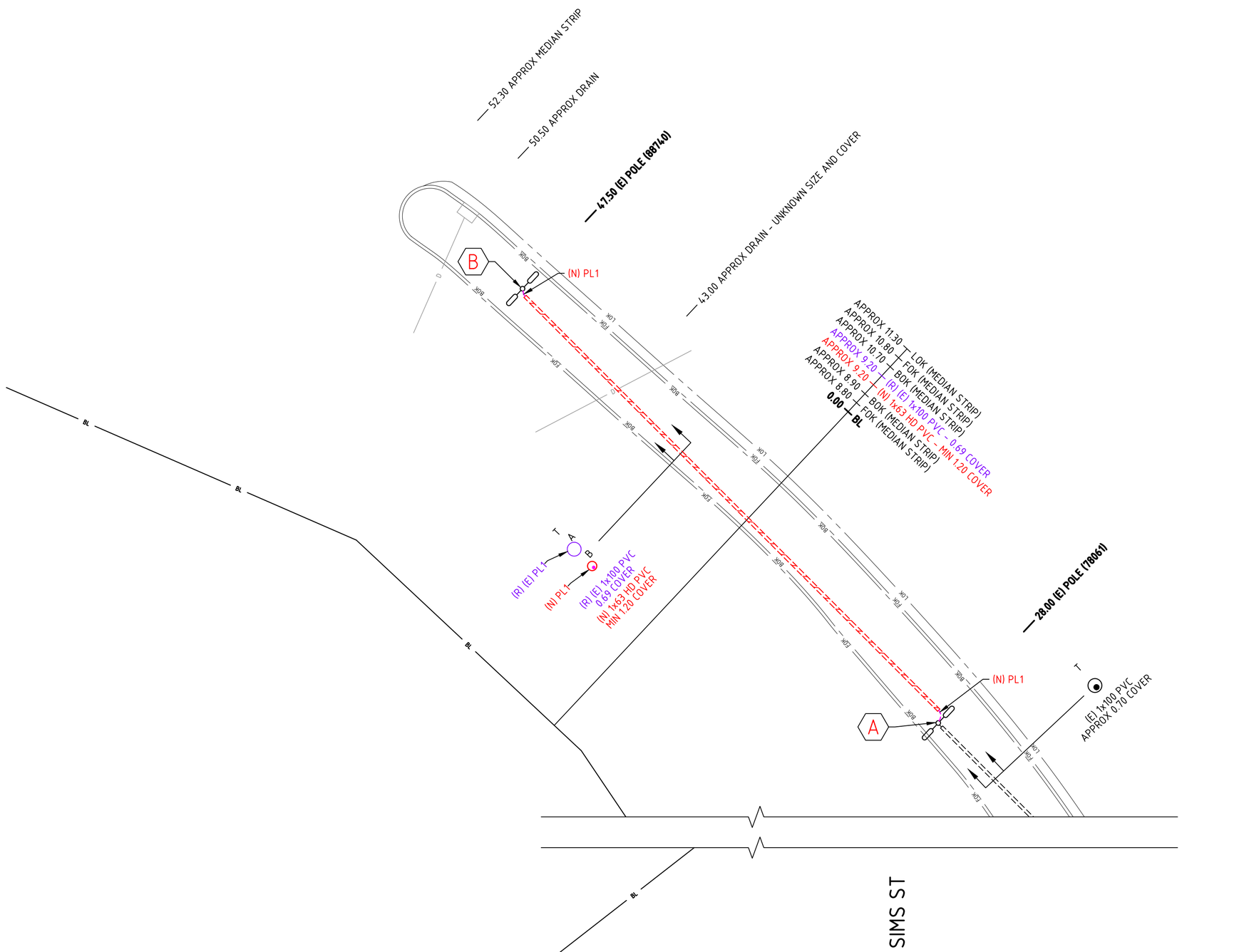
428 DYNON ROAD, WEST MELBOURNE
UG CONSTRUCTION PLAN
PL ASSET RELOCATION
DETAIL DESIGN

DRAWN	CHECKED	APPROVED	EN CHECKED	EN APPROVED IN PRINCIPLE
BALPARA (JS) 01/05/18	BALPARA (AC) 05/05/18	BALPARA (AC) 06/05/18	SMcGUIRE 15/05/18	T.TSAKIRIDIS 18/05/18

Electricity Networks - EN UG CONSTRUCTION PLAN A1 Det Design (CP) - V3.0

A1

574x347



CABLE ID	CABLE DESCRIPTION	CABLE DESTINATION
(E) PL1	25.5 TWIN PL SWA&S	FROM (E) POLE (78061) SIMS ST TO (E) POLE (88740) SIMS ST
(N) PL1	35 4c LV c.x.	FROM (E) POLE (78061) SIMS ST TO (E) POLE (88740) SIMS ST

CONSTRUCTION NOTES

- EXCAVATE AND REMOVE (E) CONDUIT 'A'
- EXCAVATE AND INSTALL (N) CONDUIT [GA211] [GC031]
- INSTALL (N) PL1 [GA211] [GC021]
- TERMINATE CABLE ENDS
- REINSTATE CABLE ROUTE [GA211]

A - REMOVE (E) PL1 FROM (E) PL POLE (78061)
- TERMINATE (N) PL1 IN (E) PL POLE (78061) [FM101]

B - REMOVE (E) PL1 FROM (E) PL POLE (88740)
- TERMINATE (N) PL1 IN (E) PL POLE (88740) [FM101]

GENERAL NOTES

- FOR GENERAL ARRANGEMENT REFER TO CP40/5115019/1/1
- **WARNING:** IF TRENCHING ADJACENT TO STRUCTURES (i.e. POLES, ROADS SIGNS SIGNS, ETC.), IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THEY ARE SUFFICIENTLY PROPPED/SECURED TO PREVENT MOVEMENT & DAMAGE

Electricity Networks - EN OH CONSTRUCTION PLAN A2 - V3.1

LEGEND

EXISTING UG CABLES

HV (66, 22, 11 & 6.6 kV) · LV MAINS · LV SERVICE · SUPERVISORY · OPTIC FIBRE
PUBLIC LIGHTING · EARTH · HV STRAIGHT JOINT · HV TEE JOINT · HV SEALED END · HV CUT END
LV STRAIGHT JOINT · LV TEE JOINT · LV SERV TEE JOINT · LV INSULATED END · LV SEALED END · LV CUT END
CONDUIT · SERVICE PIT (TYPICAL) · SERVICE PIT (ROADWAY) · PILLAR (SERVICE) · PILLAR (PARALLELING) · 80W MV PL & COLUMN · 150W HPS PL & COLUMN
SUBTRANS POLE · HV POLE · LV POLE (GENERAL) · SUBSTATION (POLE) · HV CABLE HEAD POLE · LV CABLE HEAD POLE

NEW UG CABLES

HV (66, 22, 11 & 6.6 kV) · LV MAINS · LV SERVICE · SUPERVISORY · OPTIC FIBRE
PUBLIC LIGHTING · EARTH · HV STRAIGHT JOINT · HV TEE JOINT · HV SEALED END · HV CUT END
LV STRAIGHT JOINT · LV TEE JOINT · LV SERV TEE JOINT · LV INSULATED END · LV SEALED END · LV CUT END
CONDUIT · LV SERVICE PIT (TYPICAL) · SERVICE PIT (ROADWAY) · PILLAR (SERVICE) · PILLAR (PARALLELING) · 80W MV PL & COLUMN · 150W HPS PL & COLUMN
SUBTRANS POLE · HV POLE · LV POLE (GENERAL) · SUBSTATION (POLE) · HV CABLE HEAD POLE · LV CABLE HEAD POLE

GENERAL

BL ROAD RESERVE BL · BOUNDARY LINE
BOK BACK OF KERB · FOK FACE OF KERB · LOK LIP OF KERB · STORM WATER PIT
(56096) POLE NUMBER · 609 PROPERTY NUMBER · Lot 23 LOT NUMBER · CONDUIT - OCCUPIED · CONDUIT - SPARE

OTHER SERVICES

D DRAIN · FENCE · G GAS MAIN · S SEWER · T TELCO · W WATER MAIN

WARNING BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

REFERENCE	
PROJECT NUMBER	5115019
ROAD DIRECTORY	MELWAY - 42 - F4
PROJECT MANAGER	GARY MURHPY - 9297 6065
FEEDER	DA008
UG CABLE LOCATION PLAN	CP5/MCC/CF873

1.0 0 1.0 2.0 3.0 4.0
LENGTHS ARE IN METRES

SCALE: 1:100

N E S W

CITIPOWER · Powercor AUSTRALIA

Electricity Networks
Locked Bag 14090
Melbourne 8001
www.citipower.com.au
www.powercor.com.au

REVISION						
DRAWING NUMBER	CP40	5115019	2	1	-	SHEET 1 OF 1

8 SIMS ST, WEST MELBOURNE
UG CONSTRUCTION PLAN
UG PL ASSET RELOCATION
DETAIL DESIGN

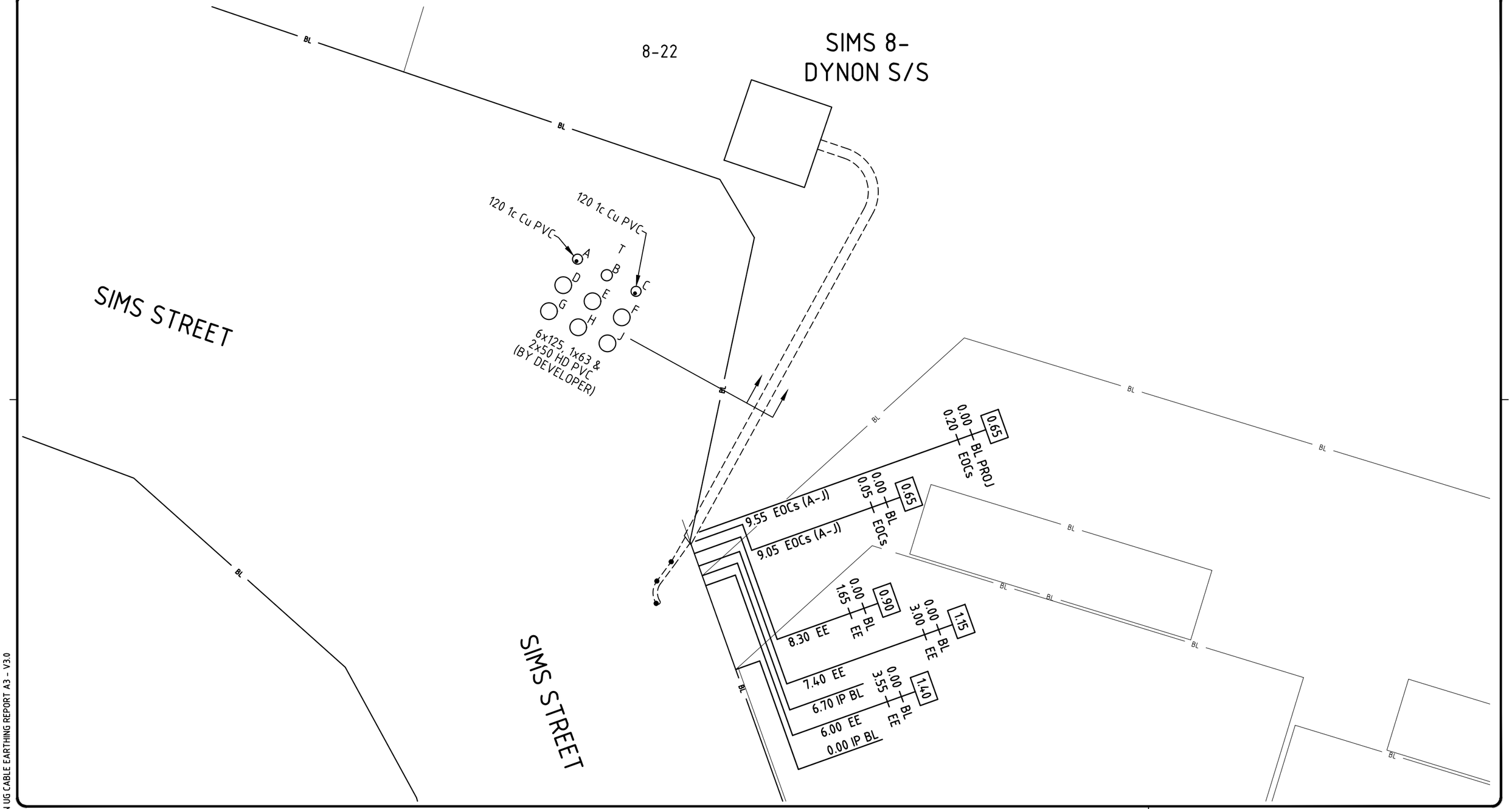
DRAWN	CHECKED	APPROVED	EN CHECKED	EN APPROVED IN PRINCIPLE
C.TUXEN 20/12/2018	S.O'BRIEN 20/12/2018	T.TSAK 20/12/2018		

A2

190x231

SUBSTATION/ASSET EARTHING REPORT

SUBSTATION NAME/ ASSET IDENTIFIER	SIMS 8-DYNON							ADDRESS	8-22 SIMS ST	SUBURB	WEST MELBOURNE
EARTH CONDUCTOR	SIZE: 120	CORES: 1	TYPE: PVC	CONDUCTOR: Cu	DATE INSTALLED	06/09/17	POLE NUMBER	N/A	INSTALLER	LEND LEASE	



N / S / E / W	COMMON / BONDED [X]	RESISTANCE (Ohms): 2.15 Ω	SEPARATE [–]	HV RESISTANCE (Ohms): – Ω LV RESISTANCE (Ohms): – Ω
	----- EARTHING CONDUCTOR	• EARTH STAKE	● POLE	(P) POLE SUBSTATION

PROJECT NUMBER	5102919
BUSINESS CENTRE	
CONTACT OFFICER	TERRY MARKER
ROAD DIRECTORY	MELWAYS 42:F5
BASE PLAN No.	MCC873

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SCALE 1:250	MEASUREMENTS ARE IN METRES
DRAWING NUMBER	CP52/5102919

DRAWN	CHECKED	CP/PCA APPROVED
BALPARA (RM) 31/05/2018	BALPARA (D.O) 1/06/2018	VIR 8/06/2018

REVISION:

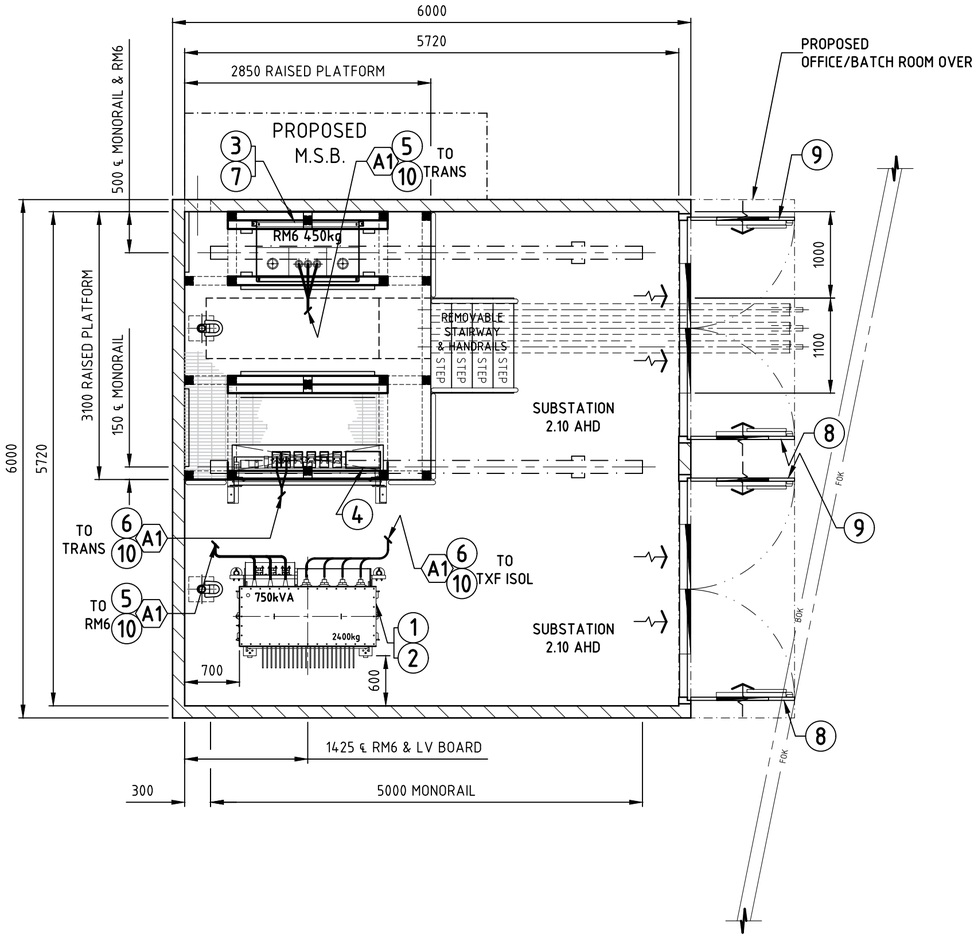
A3

Electricity Networks - EN UG CABLE EARTHING REPORT A3 - V3.0

574x347

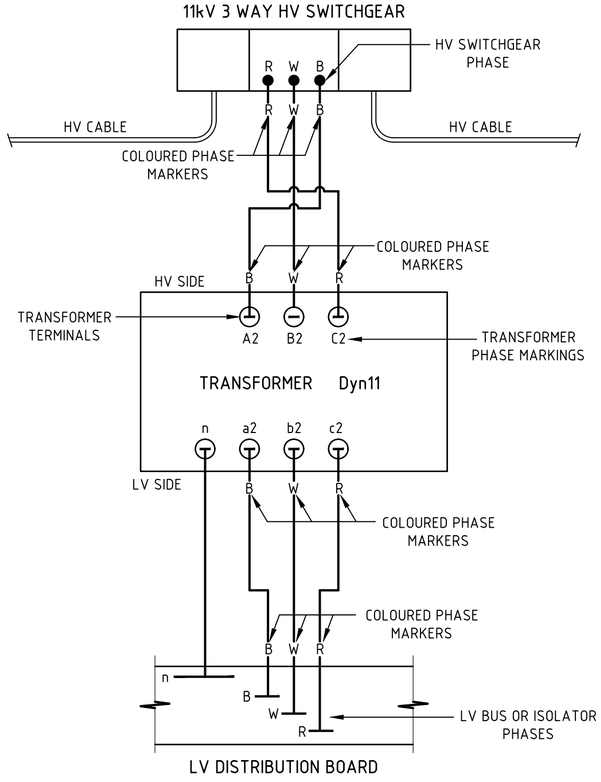
ITEM	DESCRIPTION	STORES No.	QTY
1	TRANSFORMER - 750kVA, 11000/415V, Dyn11. TO CP4668	310360	1
2	TRANSFORMER ANTI VIBRATION PAD (SEE DRG CP10/84)	353791	4
3	HV SWITCHGEAR - 12kV METAL CLAD 3 WAY, RM6 MOTORISED WITH CB TO CP4682	353892	1
4	LV BOARD - TO CP4683	354509	1
5	HV CABLE (RMU - TRANS) - 1 x 22kV 185mm² AL SINGLE CORE XLPE PER PHASE	340230	AS REQ
6	LV CABLE (500kVA T/F-ISOL) - 2 x 185mm² Cu SINGLE CORE XLPE PER PHASE	340073	AS REQ
7	NEON INDICATOR (HV SWITCHGEAR)	350491	2
8	WARNING SIGN (DANGER, HIGH VOLTAGE KEEP OUT, CITIPOWER)	362623	2
9	WARNING SIGN (KEEP CLEAR EMERGENCY EXIT)	362651	2
10	HV & LV CABLE CLEATING TO CP10/153, CP10/153 /2 & CP10/153/3.	-	AS REQD

SUBSTATION ITEM SCHEDULE



GENERAL ARRANGEMENT

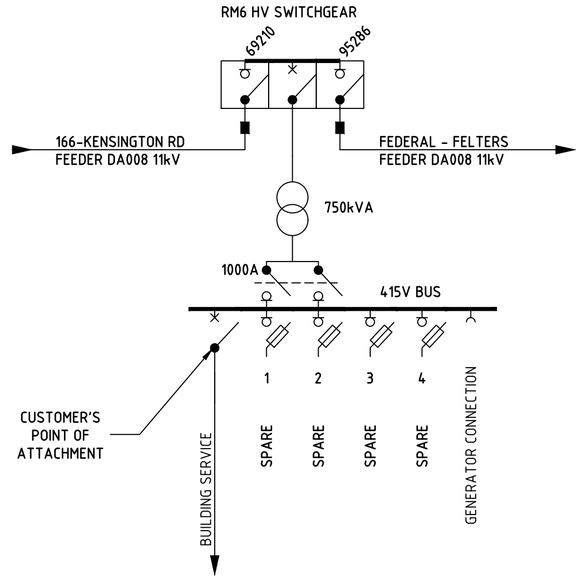
SCALE 1 : 50



TRANSF CONNECTION ARRANGEMENT FOR ZONE 2 (MCCESD)

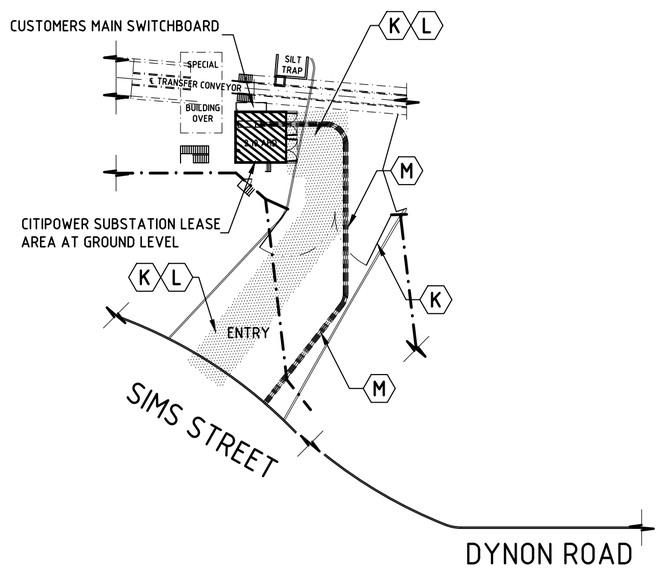
NOTES

1. DIAGRAM NOT TO BE TAKEN AS A PHYSICAL LAYOUT.
2. THE ABOVE SHALL COMPLY WITH CITIPOWER'S PHASE IDENTIFICATION WORK PROCEDURE- CP4601/2001
3. CONNECTION BASED ON TRANSF VECTOR GROUP Dyn11.
4. PHASE ROTATION MAP DATED MAY 2005



CONNECTION DIAGRAM

INSTALL 1 x 750kVA & 1 x 3 WAY RM6



LOCALITY PLAN

SCALE 1:500

A1 SUPPLY AND INSTALL CABLE CLEATS FOR TXF HV AND LV CABLES TO RM6 HV SWITCH AND LV BOARD. THESE CLEATS ARE TYPICALLY INSTALLED ALONG THE FLOOR, WALLS OR IN THE PIT REFER TO CP10/153 , CP153/2 AND CP10/152/3. PLASTIC CABLE TIES ARE NOT ACCEPTABLE.

K 24 HOUR PERSONNEL ACCESS SHALL BE PROVIDED BETWEEN **SIMS STREET TO SUBSTATION DOOR** SHOWN ON THE LOCALITY PLAN. FREE EGRESS SHALL BE PROVIDED FROM THE SUBSTATION DOOR TO THE STREET VIA THE NORMAL BUILDING ROUTE. **ALL LOCKED DOORS ALONG THE PROPOSED PERSONNEL ROUTE ARE TO BE FITTED WITH POWER INDUSTRY LOCKS.**

L EQUIPMENT CARRIAGEWAY ACCESS 4000(W) x 5000(H) MIN CLEAR PASSAGEWAY SHALL BE PROVIDED FOR THE INSTALLATION OR REPLACEMENT OF SUBSTATION EQUIPMENT. WEIGHT OF TRANSFORMER & TRUCK IS 21000kg FRONT AXLE & 6000kg REAR AXLE.

M POWERLINE EASEMENT **1500mm WIDE TO SIMS STREET**.

ALL CITIPOWER'S EQUIPMENT WILL BE BOTTOM CONNECTED CUSTOMER'S CABLES WILL BE INSTALLED FROM THEIR MSB AND CONNECTED TO THE BOTTOM OF CITIPOWERS LV BOARD.

REFERENCE		
	SUBSTATION NOTES	CP110/5102919/2/1
	BUILDING REQUIREMENTS	CP110/5102919/2/2 & 3
	LIGHT & POWER NOTES	SCD04/5102919/2/4
	PLAN LIGHT & POWER	CP110/5102919/2/5
	RAISED PLATFORM & EQUIPMENT SUPPORTS	CP110/5102919/2/6
	TRANSFORMER ANTI-VIBRATION PAD	CP10/84
	HV & LV CABLE CLEATING	CP110/153, 153/2 & 153/3
	EARTHING	CP10/7

0.5 0 0.5 1.0 1.5 2.0
LENGTHS ARE IN METRES

SCALE 1:50

N E S W

CITIPOWER

Powercor AUSTRALIA

Electricity Networks
Locked Bag 14090
Melbourne 8001
www.citipower.com.au
www.powercor.com.au

REVISION	13/1/17					-
DRAWING NUMBER	CP110	5102919	1	1	A	SHEET 1 OF 1

SIMS 8 - DYNON
INDOOR DISTRIBUTION SUBSTATION
GENERAL ARRANGEMENT
WEST MELB MEL REF 2T B8 or 43 A5

DRAWN	CHECKED	APPROVED	EN CHECKED	EN APPROVED IN PRINCIPLE
PERACON(ZEK) 17/11/16	- -	- -	PDAVIES 13/01/17	GKUSTRA 13/11/17

A2

Electricity Networks - EN DIST SUB CONSTRUCTION PLAN A2 BD Horizontal (CP) - V1.0

RECORD OF NEW INSTALLATION OR ANY ALTERATIONS OF U/G SERVICE

CITIPOWER

Address of installation / or alterations: PART OF 4 CONDUITS 005. CABLE REMOVED FOR ROAD WORKS DYNON RD STH SIDE EAST OF RAIL BRIDG

FULL DETAILS: Type of work : New Service ☐ LV Fault ☐ HV Fault ☐ Pole Relocation ☐ Service Pit ☐

Cable Install ☐ Cable Removal ☑ Service Alteration ☐ Install Conduit ☐ Supervisory Fault ☐

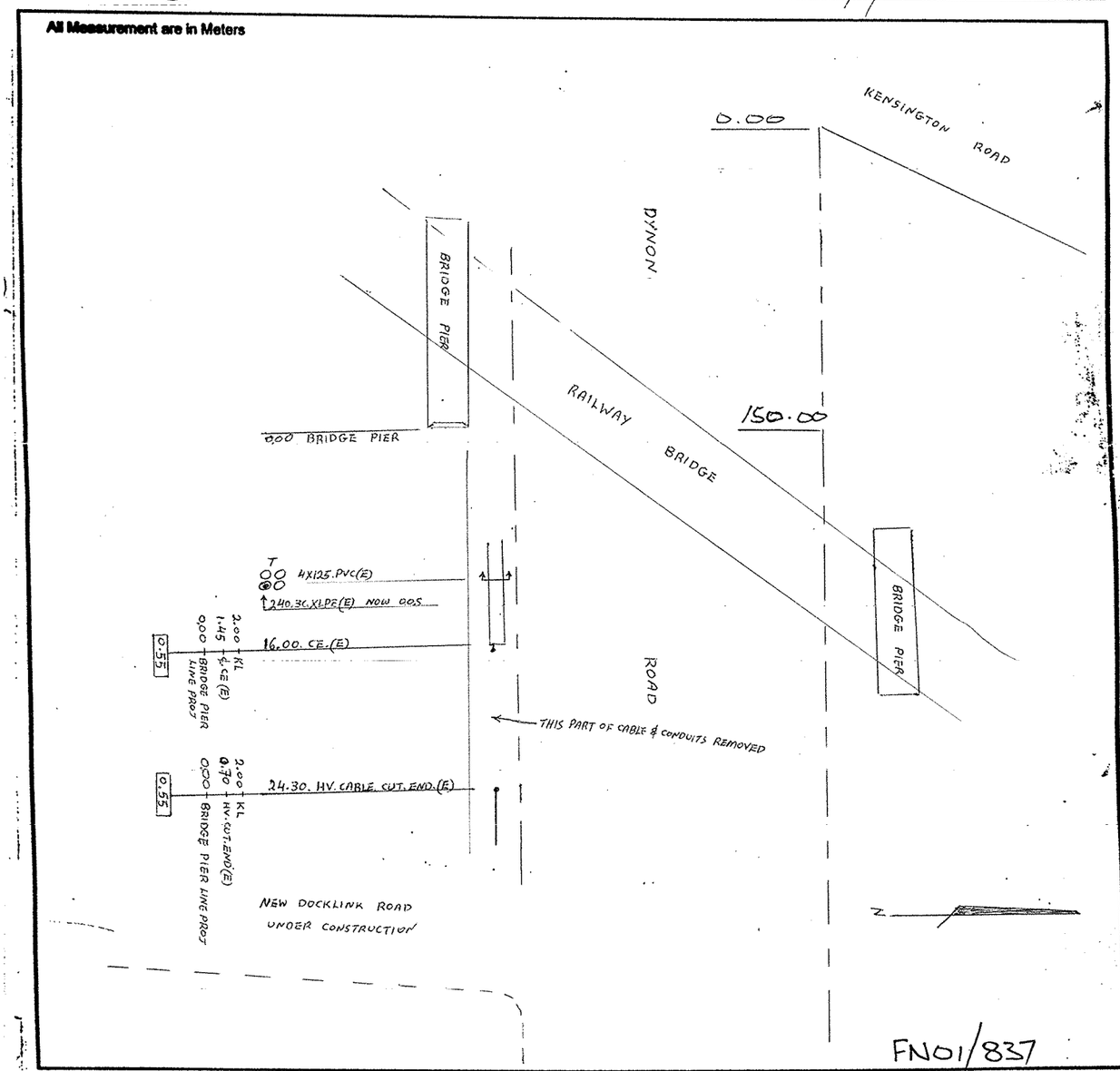
Cable HV ☑ LV ☐ Conductor size mm² 240 Conductor Type AL ☑ CU ☐ Public Lighting ☐

Cable Type XLPE No. of core 3c Pole No. _____ Sub Name EX HOME KIOSK S/S TO REFUSE TRANSFER STATION

Cable Destination _____

Proposed / or As Built _____ Others SEE ALSO FN98/05/Z2

All Measurement are in Meters



FN01/837

Authorising Officer / Contractor : (CITIPOWR PETER MORRIS) DETAIL BY S. XYNOS

Section / Address: RICHMOND

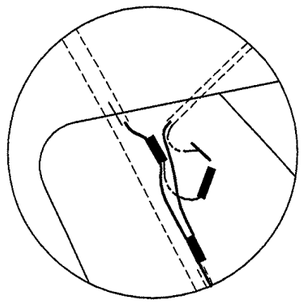
Phone: _____ **Date:** 27/7/2001 **Melway Ref.** 42 G5

Office Use Only

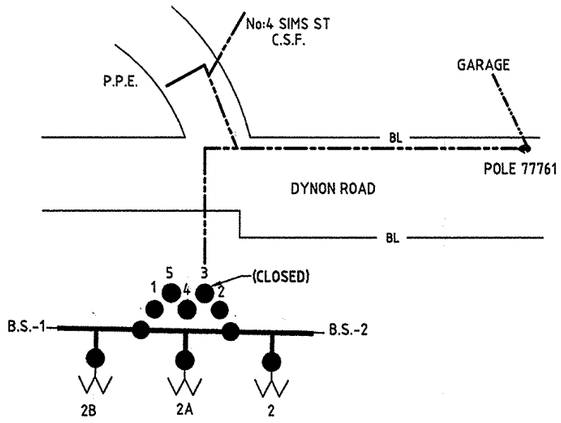
MCC 872

Key / Base _____

FB / Drg No.

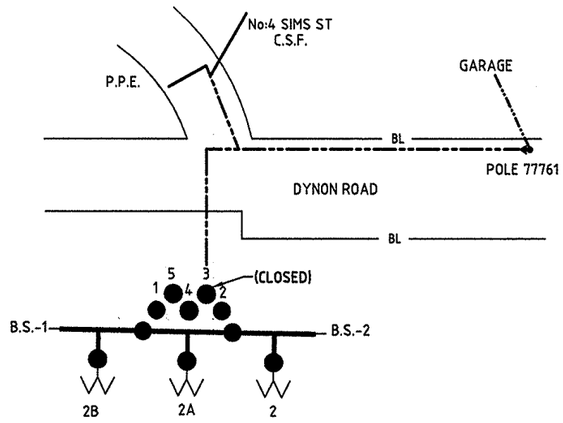


DETAIL 'A'



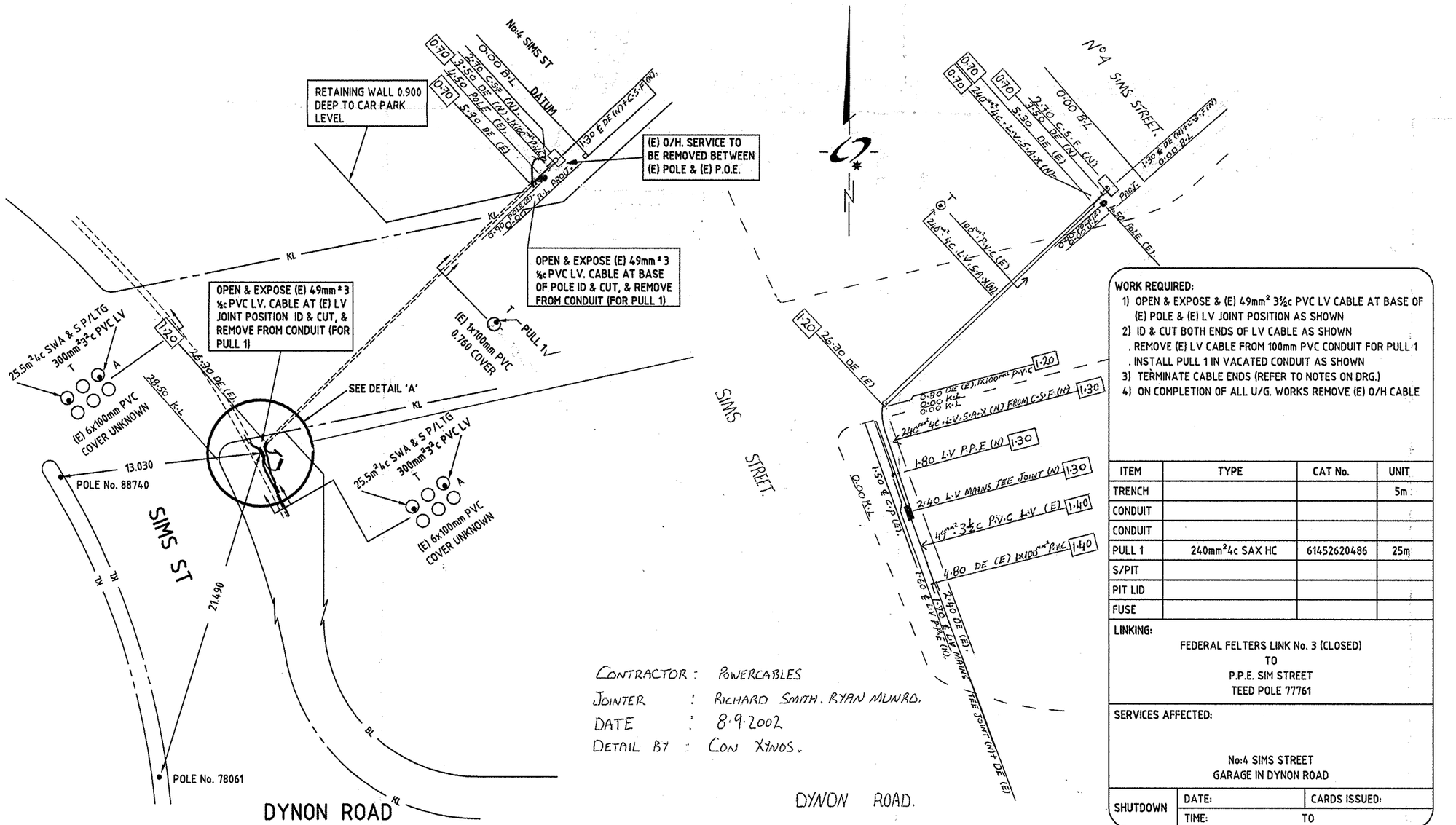
FEDERAL FILTERS S/S

EXISTING LV DIAGRAM



FEDERAL FILTERS S/S

PROPOSED LV DIAGRAM



CONTRACTOR : POWERCABLES
JOINTER : RICHARD SMITH. RYAN MUNRO.
DATE : 8·9·2002
DETAIL BY : CON XINOS.

WORK REQUIRED:
1) OPEN & EXPOSE & (E) 49mm² 3½c PVC LV CABLE AT BASE OF (E) POLE & (E) LV JOINT POSITION AS SHOWN
2) ID & CUT BOTH ENDS OF LV CABLE AS SHOWN
. REMOVE (E) LV CABLE FROM 100mm PVC CONDUIT FOR PULL 1
. INSTALL PULL 1 IN VACATED CONDUIT AS SHOWN
3) TERMINATE CABLE ENDS (REFER TO NOTES ON DRG.)
4) ON COMPLETION OF ALL U/G. WORKS REMOVE (E) O/H CABLE

ITEM	TYPE	CAT No.	UNIT
TRENCH			5m
CONDUIT			
CONDUIT			
PULL 1	240mm²4c SAX HC	61452620486	25m
S/PIT			
PIT LID			
FUSE			

LINKING:
FEDERAL FELTERS LINK No. 3 (CLOSED)
TO
P.P.E. SIM STREET
TEED POLE 77761

SERVICES AFFECTED:
No:4 SIMS STREET
GARAGE IN DYNON ROAD

SHUTDOWN	DATE:	CARDS ISSUED:
	TIME:	TO

LAYERS

0	1	2	3	5
7	TEMP	BL	KL	NHVUG
EHVUG	NLVMUG	ELVMUG	NLVSUG	ELVSUG
OBST	NPLC	EPLC	NHV	EHV
NLVM	ELVM	NLVS	ELVS	NSCUG
ESCUG	NSC	ESC	NHVABC	EHVABC
NLVABC	ELVABC	EQUIP	COND	NEWCOND

CONFIRMATION OF OBSTRUCTIONS RECEIVED FROM FOLLOWING: (REFER INSTALLATION NOTE 3)

Gas	Y
Water	Y
Telstra	Y
Optus	Y
Sewer	Y
Drain	Y
PTC	N
PMA	N
VicRoads	N

PROJECT MANAGER: RAY TURNER
PHONE: 92976651
CUSTOMER CONTACT: PETER DAVIS
PHONE: 96893365

LEGEND

- NEW HV UG CABLE
- NEW LV MAINS UG CABLE
- NEW LV UG SERVICE CABLE
- NEW PUBLIC LIGHTING CABLE
- NEW HV OVERHEAD
- NEW LV MAINS OVERHEAD
- NEW LV SERVICE OVERHEAD
- NEW SUPERVISORY UG CABLE
- NEW SUPERVISORY OVERHEAD CABLE
- NEW HV ABC
- NEW LV ABC
- BL BUILDING LINE
- EXISTING HV UG CABLE
- EXISTING LV MAINS UG CABLE
- EXISTING LV UG SERVICE CABLE
- EXISTING PUBLIC LIGHTING CABLE
- EXISTING HV OVERHEAD
- EXISTING LV MAINS OVERHEAD
- EXISTING LV SERVICE OVERHEAD
- EXISTING SUPERVISORY UG CABLE
- EXISTING SUPERVISORY OVERHEAD CABLE
- EXISTING HV ABC
- EXISTING LV ABC
- KL KERB LINE
- STRAIGHT THROUGH JOINT
- LV MAINS TEE JOINT
- LV SERVICE TEE JOINT
- INSULATED END
- SEALED END
- NEW CONDUIT
- EXISTING CONDUIT
- CABLE HEAD POLE:-
  - HV CABLE TERMINATION
  - LV CABLE TERMINATION
- STEEL COLUMN & 80W MV PUBLIC LIGHT
- SERVICE PIT
- ROAD SERVICE PIT
- PARALLELING PILLAR
- SUBTRANSMISSION POLE
- HV/LV POLE
- HV POLE
- LV POLE
- (P) SINGLE POLE SUBSTATION (K – KIOSK, C – CUBICLE, I – INDOOR, G – GROUND)
- NEW CABLE IN CONDUIT
- OCCUPIED CONDUITS
- SPARE CONDUIT

REFERENCE DRAWINGS

CABLE PLAN No.	FCD & L 873
MELWAY MAP REFERENCE	42-F-4
JOB No.	142103C
OPERATION DIAGRAM	
SUBSTATION DRAWING	

CITIPOWER
POSTAL ADDRESS
Locked Bag 14031
Melbourne Mail Centre Vic 8001

CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121
Telephone (03) 9297 8900
Facsimile (03) 9297 6350

CURRENT REVISION -
A B C D E F G H J K

CP 9/2248 FN02/717

4 SIMS STREET WEST MELBOURNE NEW LV SERVICE

DRAWN BAYSIDE 08/07/02
CHECKED
APPROVED

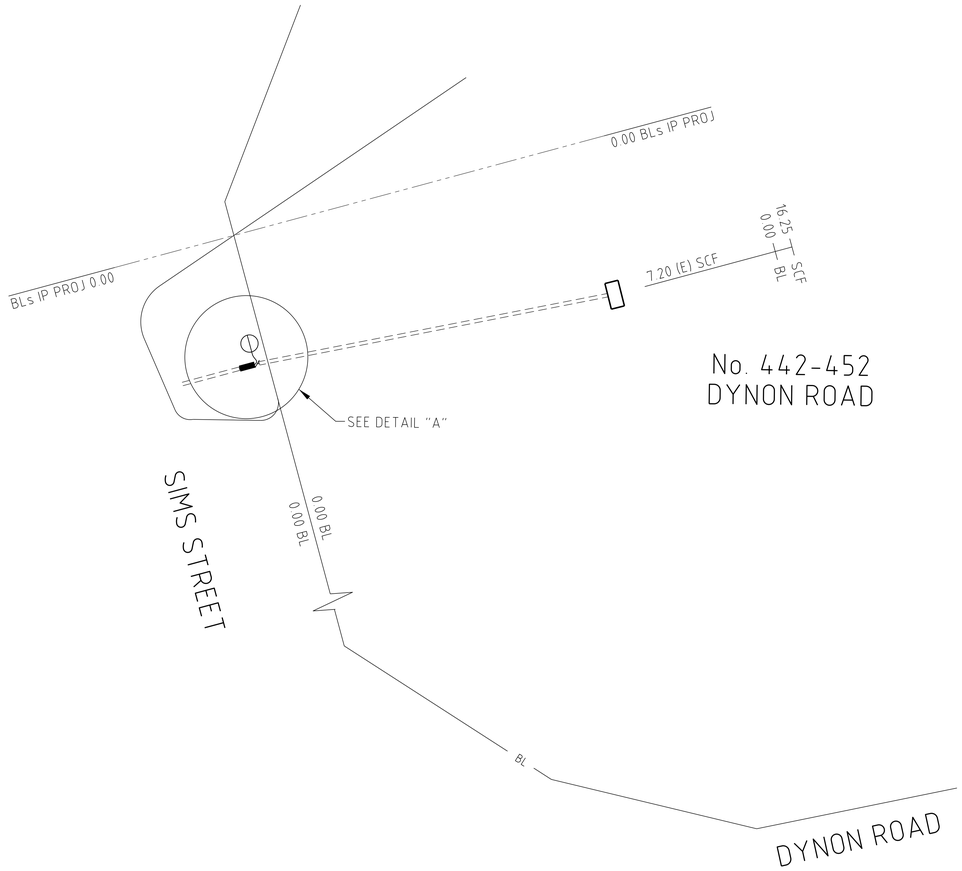
SCALE 1:200

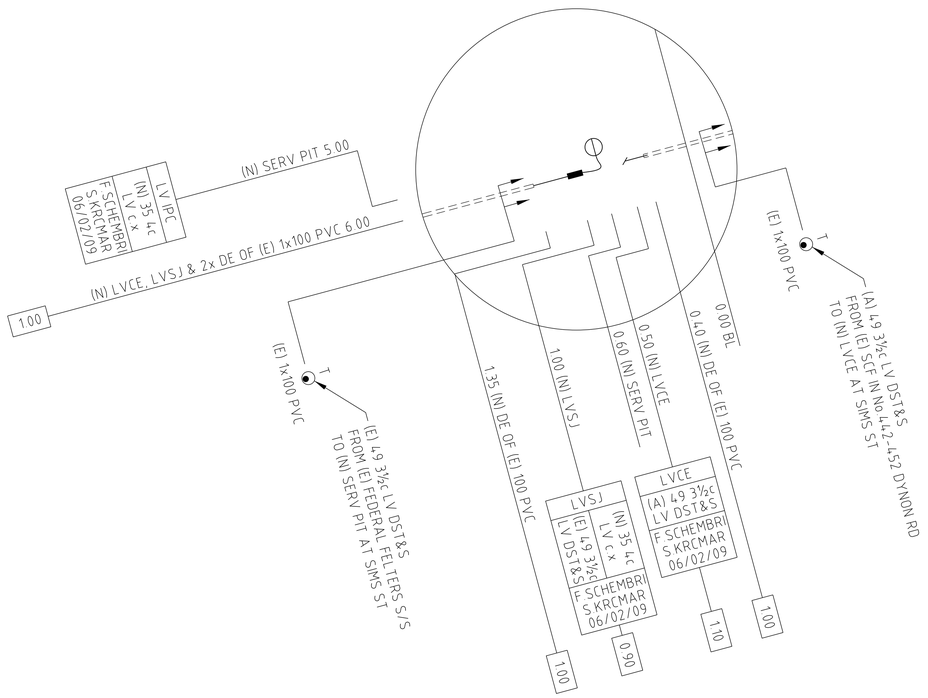
CitiPOWER Pty - AutoCAD CCPA2 Vertical

466 x 400

A2

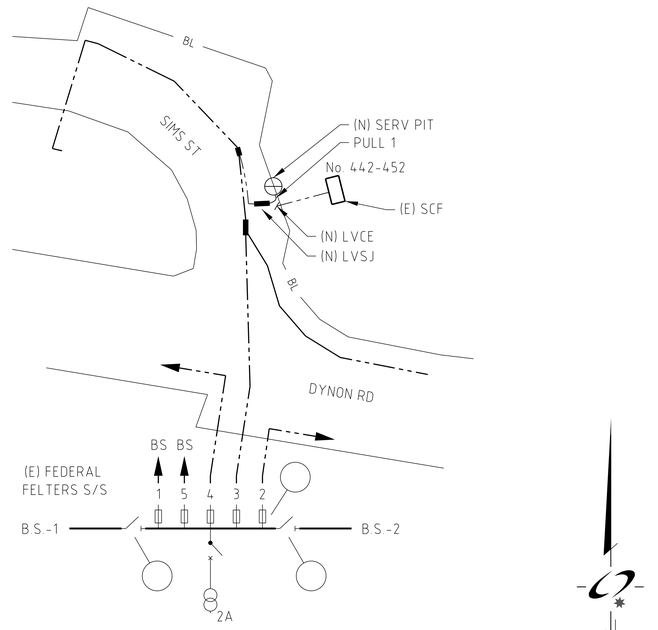
466 x 400





DETAIL "A"

NTS



AS BUILT LV SCHEMATIC

LAYERS						
0	1	2	3	5	7
BL	CABLEDET	COND	**EHVUG**	**ELVMUG**	ELVSUG
EPLC	ESCUG	KL	NEWCOND	**NHVUG**	**NLVMUG**
NLVSUG	NPLC	NSCUG	OBST	O/H	TEMP

LEGEND

- NEW HV U/G CABLE
- NEW LV MAINS U/G CABLE
- NEW LV SERVICE U/G CABLE
- NEW PUBLIC LIGHTING U/G CABLE
- NEW SUPERVISORY U/G CABLE
- NEW OVERHEAD USE LINETYPE TO SUIT (e.g. HV, LV, PL, etc.)
- BUILDING LINE
- KERB LINE
- PUBLIC LIGHTING POLE BRACKET & LUMINAIRE (150W HPS)
- SERVICE PIT
- ROAD SERVICE PIT
- PILLAR (GENERAL)
- PILLAR - PARALLELING
- NEW CABLE IN CONDUIT
- OCCUPIED CONDUIT
- SPARE CONDUIT
- POLE NUMBER (56096)
- PIPE (OTHER SERVICE)
- DEPTH TO TOP OF CABLE (0.60)
- DEPTH TO TOP OF OTHER SERVICE (1.00)
- EXISTING HV U/G CABLE
- EXISTING LV MAINS U/G CABLE
- EXISTING LV SERVICE U/G CABLE
- EXISTING PUBLIC LIGHTING U/G CABLE
- EXISTING SUPERVISORY U/G CABLE
- EXISTING OVERHEAD USE LINETYPE TO SUIT (e.g. EHV, ELV, EPL, etc.)
- STRAIGHT JOINT (HVSJ, LVMSJ OR SJ)
- TEE JOINT (HVTJ, LVMTJ OR TJ)
- LV SERVICE TEE JOINT (LVSTJ)
- INSULATED END (HVIE, LVIE OR IE)
- CUT END (HVCE, LVCE OR CE)
- SEALED END (HVSE)
- NEW CONDUIT (IN)1x100
- EXISTING CONDUIT (E)1x100
- SUBTRANSMISSION POLE
- HV/LV POLE
- HV POLE
- LV POLE (GENERAL)
- CABLE HEAD POLE - ▷ HV CABLE TERMINATION ▶ LV CABLE TERMINATION

DETAILING NOTES

-

WORK PROGRESS CHECKLIST

ITEM	DESCRIPTION	UNITS	COMPLETE	DATE
PULL 1	(N) 35 4c LV c x	3m	YES	06/02/09
SERV PIT	SERVICE PIT (Ø300mm)	1	YES	06/02/09
PIT LID	SERVICE PIT LID (Ø300mm)	1	YES	06/02/09
LVSJ	(N) 35 4c LV c x TO (E) 4.9 3½c DST&S	1	YES	06/02/09

REFERENCE DETAILS

SAP Network No.	6019766
Project Drawing:	CP9 /4629
Feeder Number:	-
Substation Name	FEDERAL FELTERS S/S
Substation Drawing:	-
Overhead Drawing:	-
Project Manager:	J.HOLLINGWORTH
Inspector:	I.RYCROFT

FIELD NOTE DETAILS

Asset Installation By:	ELECTRIX	
Installation Contact:	Z.GYRUICZA	
Detailing Company:	VEMTEC	
Detailed By:	A.AUGUSTUS	06/02/09
Melway Ref:	42 F4	
Cable Plan No.:	MCC873	

CITIPOWER

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Locked Bag 14031
Melbourne Mail Centre Vic 8001

CitiPower Pty
ACN 064 651 056
35 Rooney Street
Burnley Vic 3121

Telephone (03) 9297 8900
Facsimile (03) 9297 6350

CURRENT REVISION		-					
A	B	C	D	E	FN 09/0145		
F	G	H	J	K			

442-452 DYNON RD, WEST MELBOURNE
U/G ASSET DETAIL - AS BUILT
(N) LV SERVICE ABOLISHMENT

DRAWN	VEMTEC (AA)	09/02/09
CHECKED	VEMTEC (IE)	10/02/09
U/G RECORDS	CJA	13/02/09

2 0 2 4 6 8
LENGTHS ARE IN METRES

SCALE 1: 200

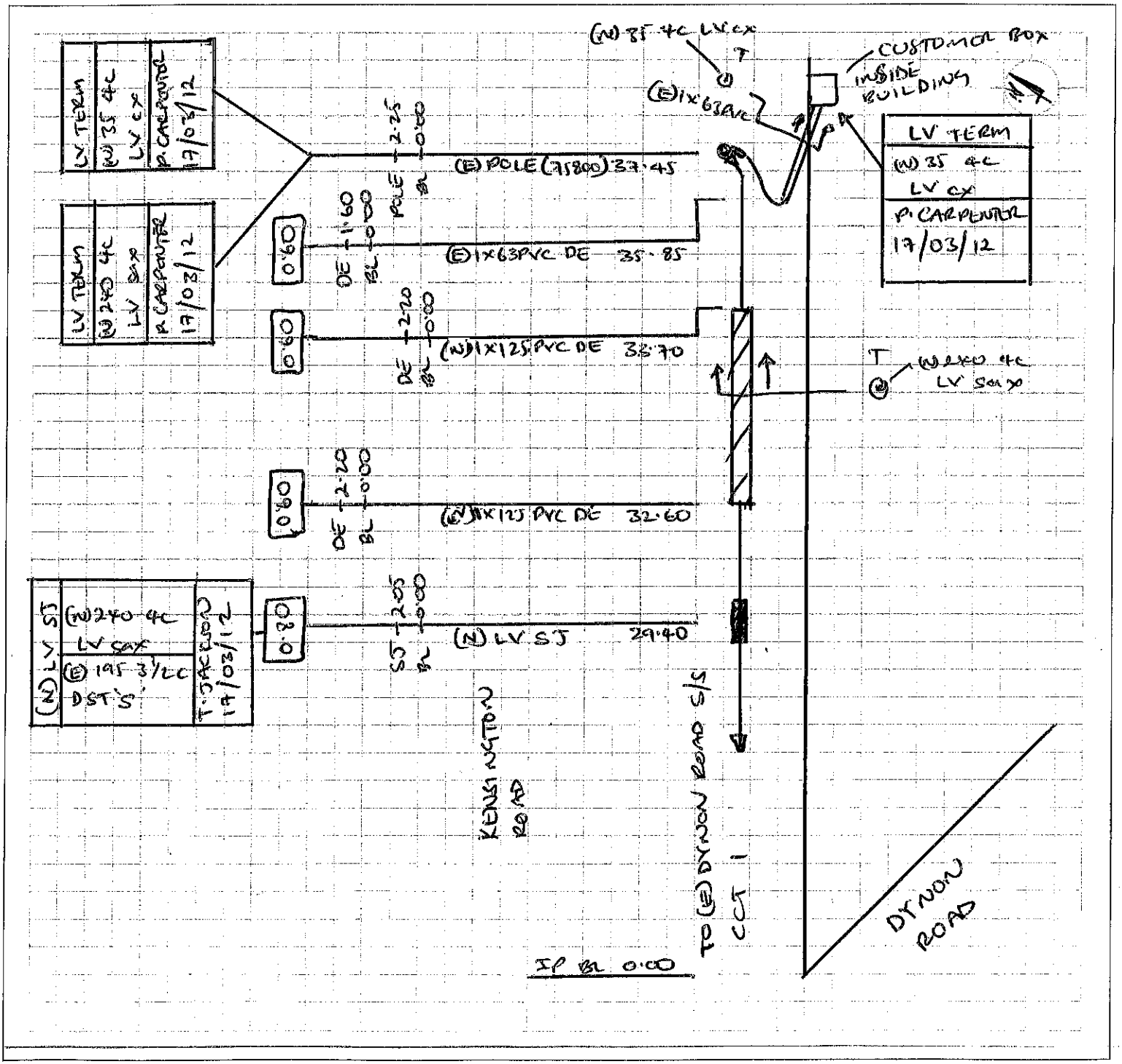
CitiPOWER Pty - AutoCAD FIELD NOTE A2 Vertical

VEMTEC Pty. Ltd.
Level 3, 18 Compark Circuit
Mulgrave VIC 3170 Australia
PO Box 478 Mt Waverley VIC 3149.
Telephone: 03 8542 0701
Facsimile: 03 8542 0704
e-mail: vemtec.projects@vemco.com.au
website: www.vemtec.com.au

VEMTEC
Utility Infrastructure Services

DESIGN SHEET

VEMTEC Project No.	UECD 3409		Client Reference No.	FN12/1205014/1	
Project Name	LV FAULT				
Location	DYNON & KENSINGTON ROAD, KENSINGTON				
Project Officer	J.B, M.J	Ph		Date	14-17/03/12



Comments / Notes

POWERCABLES
MEL 42, 95

Quality Endorsed Company

Warning Uncontrolled Document

5814000Y

315800X

316200X

5813750Y

BOAT CRUISES

AGL AREA

CITIPOWER AREA

ST

SIMS

445

23.32
18.60 TP
11.13
0.00 TB
TB 0.00
YTS1 2.60
YTD16
YTD15
SPARE 3.25
1.35
TB 0.00
YTS1 2.34
YTD16
YTD15
SPARE 2.95
1.35
TB 0.00
YTS1 3.20
YTD16
YTD15
SPARE 3.50
1.00

64.90
61.96
YTS1 12.90
YTD16
YTD15
SPARE
TB 0.00

25.00
23.50
YTD 16 10
YTD 15 10

0.00
YTS1 13.00
YTD16
YTD15
SPARE
TB 0.00
1.50

25.00
YTS1
YTD16
YTD15
SPARE 12.60
TB 0.00
1.40

0.00 TB

8.54
4.40
0.00
0.00
0.90
YTS1 3.00
YTD16
YTD15
SPARE 2.70
TB 0.00
1.30
YTD 16 11
YTD 15 11

14.30
25.30 TP
39.60 TP
YTS1 27.74
YTD16
YTD15
SPARE 27.43
TB 0.00

74.40
78.40
TB 0.00
YTS1 6.55
YTD16
YTD15
SPARE 6.86
1.12

LEGEND

HV 22KV U/G CABLE 185 3c 22.A.X.HC.H	(0.5)	DEPTH OF EARTH COVER TO TOP OF CABLE	CABLE HEAD POLE:- HV/LV	CHP	CABLE HEAD POLE
LV MAINS U/G CABLE 185 4c LV.SA.X	(0.35)		SUBTRANSMISSION POLE	AC	ASBESTOS CEMENT
LV SERVICE U/G CABLE 16 4c LV.C.X	(0.25)	DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS	HV/LV POLE	EW	EARTHENWARE
PUBLIC LIGHTING CABLE 6mmÊ	(0.25)		SINGLE POLE SUBSTATION	GI	GALVANIZED IRON
SUPERVISORY CABLE	(0.25)	80W MV, MOUNTED AT 5.5m		PVC	POLYVINYL CHLORIDE
HV MAINS STRAIGHT JOINT		100W HPS, MOUNTED AT 5.5m	HV POLE	RC	REINFORCED CONCRETE
LV MAINS STRAIGHT JOINT		150W HPS, MOUNTED AT 10m	LV POLE	P/L	PUBLIC LIGHTING
LV SERVICE TEE JOINT		250W HPS, MOUNTED AT 12.5m	NEW	FH	FIRE HYDRANT
LV MAIN TEE JOINT		400W HPS, MOUNTED AT 15m	EXISTING	SWD	STORMWATER DRAIN
INSULATED END		PUBLIC LIGHT (AS SPECIFIED)	HIGH VOLTAGE CABLE	PROJ	PROJECTION
SEALED END		SERVICE PIT	LOW VOLTAGE CABLE	-	CENTRELINE
U/G CABLE CUT END		COMMUNICATIONS PIT	TITLE BOUNDARY	P & W F	POST AND WIRE MESH FENCE
ELECTRICAL DUCT & SIZE		VIC ROADS PIT	BACK OF KERB	C W M	CHAIN WIRE MESH
ELECTRICAL DUCT (63mm OUTSIDE Dia UNLESS SHOWN)		BOUNDARY OR BUILDING LINE	TURNING OR TANGENT POINT	SJ	STRAIGHT JOINT (HV / LV)
PIPE (OTHER AUTHORITIES)		KERB LINE	INTERSECTION POINT		M — MAINS
METER BOX		PARALLELLING PILLAR	DUCT END	TJ	TEE JOINT (S — SERVICE)
		HOUSE No. LOT No	OUT OF COMMISSION		

AGL - AutoCAD A1

800 X 574mm

AGL

AGILTY
ASSET PERFORMANCE
34 KING WILLIAM ST
BROADMEADOWS

IMPORTANT
USERS OF THIS PLAN PLEASE NOTE

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HOWEVER, THE INFORMATION CANNOT BE GUARANTEED FOR CORRECTNESS OR COMPLETENESS.

WHERE WORK IN CLOSE PROXIMITY TO THE CABLES IS PROPOSED THE POSITION OF THE CABLES MUST FIRST BE CONFIRMED BY CAREFUL HAND EXCAVATION.

JDI033	JDJ033	JDK033
JDI032	**JDJ032**	JDK032
JDI031	JDJ031	JDK031

REVISION

30/5/05	B	CHANGED COLOUR OF CONDUITS	JH	BW
3/10/01	A	ADDED FB99	KDG	
26/11/99	-	ADDED UM17, UM1280 & UM1281	L.P.	

DRAWN : L.P.
DATE : 26/11/99

CHECKED :
DATE :

SIGNED : J.Dowdle
FOR MANAGER

AGL

LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

MELWAY REF : 42 F:5

DRG. No. JDJ032

REV B

UNDERGROUND CABLE PLAN

JDJ032

A1

UNDERGROUND CABLE PLAN (B)

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:57 Subject to attached terms and conditions (DBYD Seq: 79895466)

Warning Uncontrolled Document

Drawing Number: JDJ033 B - DBYD 79895466

UNDERGROUND CABLE PLAN (B)

5814250Y

315800X

316200X

JOSEPH RD

ST

NEILSON PL

MARIBYRNONG

HOPKINS ST

DYNON RD

MARIBYRNONG RIVER

BIKE TRACK

BIKE TRACK

TOP OF RIVER EMBANKMENT

VIC TRACK BOUNDARY

VIC TRACK BOUNDARY

2x125

9.30

8.00

2.80

0.00

0.70

0.00

2.70

0.00

10.00

0.75

2x125 BORE

2.60

0.00

0.90

REFER AK95

REFER UM775

JEMENA AREA

CITIPOWER AREA

C.A.2111

C.A.2117

C.A.2365

C.A.2118

C.A.2366

C.A.2023

180

22

8

458

440

442

SIMS

1.00

YTS1 3.35

YTD16

YTD15

SPARE 3.05

TB 0.00

24.00 TP

0.00 TP

1.88

3.80

5.05

0.00 TB

5814000Y

315800X

316200X

LEGEND

HV 22kV U/G CABLE 185 3/c 22.A.X.HC.H	LV MAINS U/G CABLE 185 4/c LV.S.A.X	LV SERVICE U/G CABLE 16 4/c LV.C.X	PUBLIC LIGHTING CABLE 6mm²
SUPERVISORY CABLE	HV MAINS STRAIGHT JOINT	LV MAINS STRAIGHT JOINT	LV SERVICE TEE JOINT
LV MAIN TEE JOINT	INSULATED END	SEALED END	U/G CABLE CUT END
ELECTRICAL DUCT & SIZE	ELECTRICAL DUCT 163mm Dia UNLESS SHOWN	PIPE (OTHER AUTHORITIES)	METER BOX
SERVICE PIT	HV ROADS PIT	PARALLELING PILLAR	

DEPTH OF EARTH COVER TO TOP OF CABLE

DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS

- 66kV PIV, MOUNTED AT 5.5m
- 100kV HPS, MOUNTED AT 5.5m
- 150kV HPS, MOUNTED AT 10m
- 250kV HPS, MOUNTED AT 12.5m
- 440kV HPS, MOUNTED AT 15m
- PUBLIC LIGHT (AS SPECIFIED)
- 2x1kV TS FLOURO
- 2x36kV TS FLOURO
- 32kV COMPACT FLOURO
- 42kV COMPACT FLOURO
- COMMUNICATIONS PIT
- BOUNDARY OR BUILDING LINE
- KERB LINE

CABLE HEAD POLE- HV/LV	SUBTRANSMISSION POLE	HV/LV POLE	SINGLE POLE SUBSTATION
HV POLE	LV POLE	HEW	EXISTING
HIGH VOLTAGE CABLE	LOW VOLTAGE CABLE	TITLE BOUNDARY	BACK OF KERB
TURNING OR TANGENT POINT	INTERSECTION POINT	DUCT END	OUT OF COMMISSION

CHP	CABLE HEAD POLE	AC	ASBESTOS CEMENT
EW	EARTHENWARE	GI	GALVANIZED IRON
PVC	POLYVINYL CHLORIDE	RC	REINFORCED CONCRETE
P/L	PUBLIC LIGHTING	FH	FIRE HYDRANT
SWD	STORMWATER DRAIN	PROJ	PROJECTION
C	CENTRELINE	P & W F	POST AND WIRE MESH FENCE
C W M	CHAIN WIRE MESH	SJ	STRAIGHT JOINT
TJ	TEE JOINT	HV / LV / N — MAINS / S — SERVICE	
10/65	HOUSE No / LOT No		

Jemena Electricity Networks (Vic) Ltd (JEN)
ABN 82 064 651 083
321 Ferntree Gully Road
Mt Waverley, VIC, 3149
GPO Box 2982
Melbourne VIC 3001
www.jemena.com.au

IMPORTANT
USERS OF THIS PLAN PLEASE NOTE

ALL REASONABLE CARE HAS BEEN TAKEN TO ENSURE THAT THE UNDERGROUND CABLE LOCATION INFORMATION IS CORRECTLY SHOWN ON THIS PLAN.

HOWEVER, THE INFORMATION CANNOT BE GUARANTEED FOR CORRECTNESS OR COMPLETENESS.

WHERE WORK IN CLOSE PROXIMITY TO THE CABLES IS PROPOSED THE POSITION OF THE CABLES MUST FIRST BE CONFIRMED BY CAREFUL HAND EXCAVATION.

JDI034	JDJ034	JDK034
JDI033	JDJ033	JDK033
JDI032	JDJ032	JDK032

REVISION

18-07-13	B	ADDED SAP6007734:01	MM
26-11-99	A	ADDED UM1280	L.P.

DRAWN : L.P.
DATE : 26/11/99

CHECKED :
DATE :

SIGNED :
J.Dowdle
Asset Manager AAE Network

LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

MELWAY REF : 42 F:4

DRG. No. JDJ033

REV B

UNDERGROUND CABLE PLAN

JDJ033

AutoCAD A1

800 X 574mm

A1

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:57 Subject to attached terms and conditions (DBYD Seq: 79895466)

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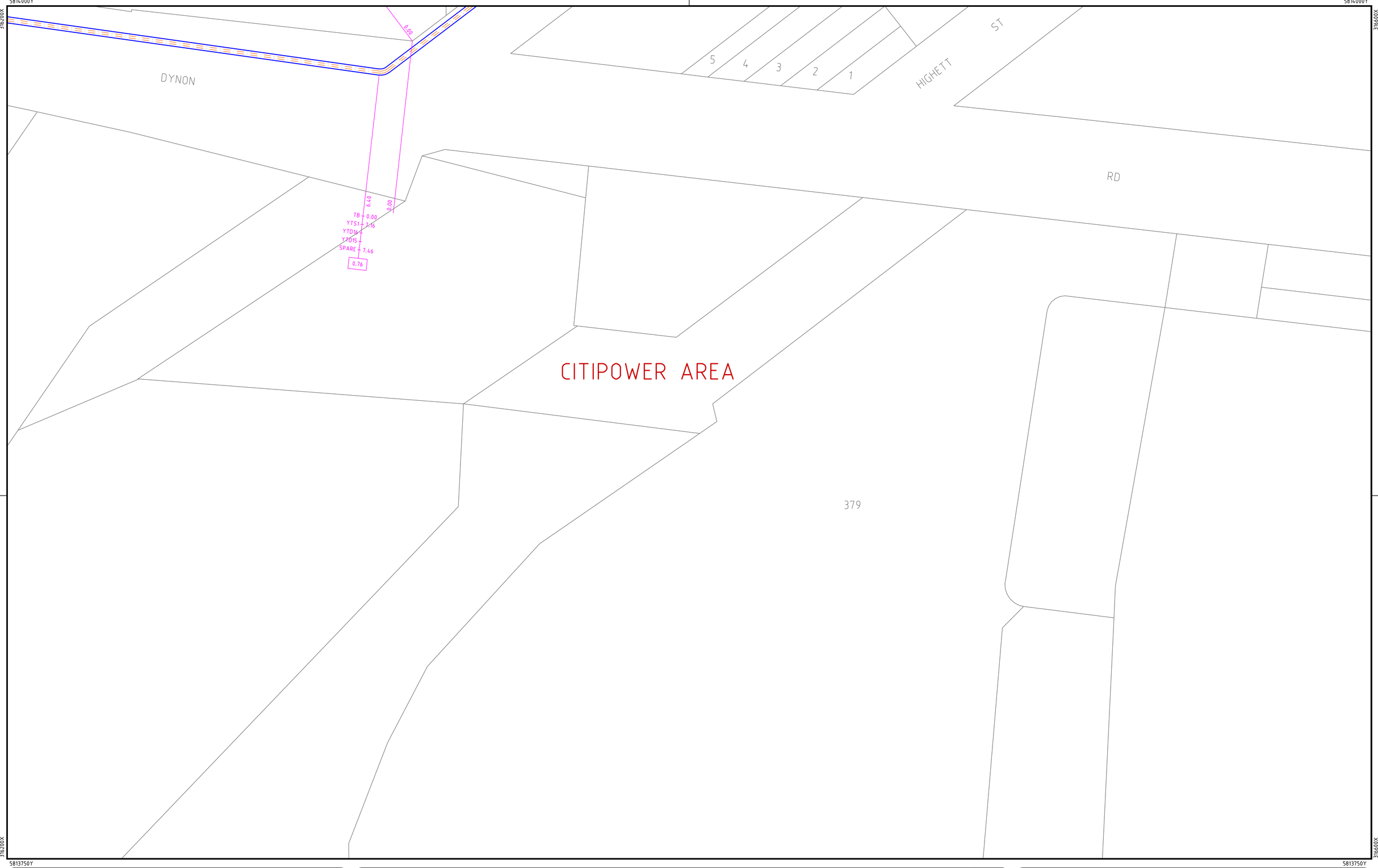

UNDERGROUND CABLE PLAN (A)

LEGEND

HV 22kV U/G CABLE 185 3/c 22.A.X.HE.H (8.5)	1.25 DEPTH OF EARTH COVER TO TOP OF CABLE	CABLE HEAD POLE - HV/LV	CHP	CABLE HEAD POLE
LV MAINS U/G CABLE 185 4/c LV.SA.X (8.25)	4.00 DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS	SUBTRANSMISSION POLE	AC	ASBESTOS CEMENT
LV SERVICE U/G CABLE 16 4/c LV.C.X (8.25)		HV/LV POLE	EW	EARTHENWARE
PUBLIC LIGHTING CABLE 6mm² (8.25)		SINGLE POLE SUBSTATION	GI	GALVANIZED IRON
SUPERVISORY CABLE	80W MV, MOUNTED AT 5.5m	HV POLE	PVC	POLYVINYL CHLORIDE
HV MAINS STRAIGHT JOINT	100W HPS, MOUNTED AT 5.5m	LV POLE	RC	REINFORCED CONCRETE
LV MAINS STRAIGHT JOINT	150W HPS, MOUNTED AT 10m	NEW	P/L	PUBLIC LIGHTING
LV SERVICE TEE JOINT	250W HPS, MOUNTED AT 12.5m	EXISTING	FH	FIRE HYDRANT
LV MAIN TEE JOINT	400W HPS, MOUNTED AT 15m	HIGH VOLTAGE CABLE	SWD	STORMWATER DRAIN
INSULATED END	PUBLIC LIGHT (AS SPECIFIED)	LOW VOLTAGE CABLE	PROJ	PROJECTION
SEALED END	SERVICE PIT	TITLE BOUNDARY	℄	CENTRELINE
U/G CABLE CUT END	COMMUNICATIONS PIT	BACK OF KERB	P & W F	POST AND WIRE MESH FENCE
ELECTRICAL DUCT & SIZE	VIC ROADS PIT	TURNING OR TANGENT POINT	C W M	CHAIN WIRE MESH
ELECTRICAL DUCT (63mm OUTSIDE Dia UNLESS SHOWN)	BOUNDARY OR BUILDING LINE	INTERSECTION POINT	SJ	STRAIGHT JOINT (HV, LV)
PIPE (OTHER AUTHORITIES)	KERB LINE	DUCT END	TJ	TEE JOINT (M — MAINS, S — SERVICE)
METER BOX	PARALLELING PILLAR	OUT OF COMMISSION		
	HOUSE No / LOT No			

5 0 5 10 15 20 25
LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

IMPORTANT
USERS OF THIS PLAN PLEASE NOTE

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WHERE WORK IN CLOSE PROXIMITY TO THE CABLES IS PROPOSED THE POSITION OF THE CABLES MUST FIRST BE CONFIRMED BY CAREFUL HAND EXCAVATION.

(DATE)___/___/19__

JDJ033	JDK033	JDL033
JDJ032	JDK032	JDL032
JDJ031	JDK031	JDL031

REVISION

26/11/99	-	ADDED UM18 & UM1281	L.P.

DRAWN : L.P.
DATE : 26/11/99
CHECKED :
DATE :
SIGNED : J.Dowdle
FOR MANAGER

AGL
AGL DISTRIBUTION NETWORK MAINTENANCE
34 KING WILLIAM ST BROADMEADOWS

MELWAYS REF : 42 G:5

DRG. No. JDK032 REV

UNDERGROUND CABLE PLAN

JDK032

AGL - AutoCAD A1

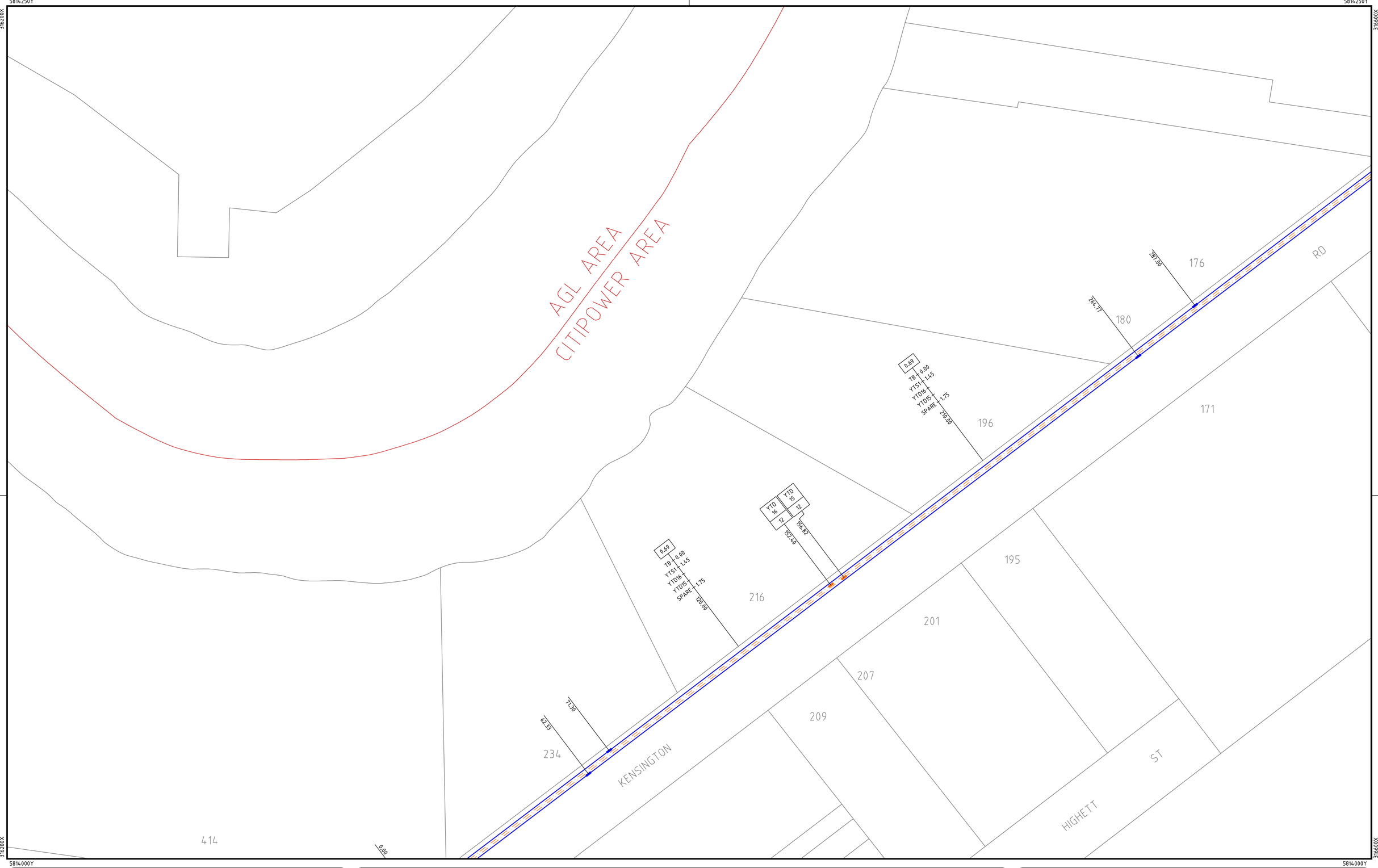
800 X 574mm

A1

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:56 Subject to attached terms and conditions (DBYD Seq: 79895466)

Warning Uncontrolled Document

UNDERGROUND CABLE PLAN (A)



LEGEND

HV 22kV U/G CABLE 185 3/c 22.A.X.HC.H	(8.5)	1.25	DEPTH OF EARTH COVER TO TOP OF CABLE		CABLE HEAD POLE- HV/LV	CHP	CABLE HEAD POLE
LV MAINS U/G CABLE 185 4/c LV.SA.X	(8.35)	0.75	DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS		SUBTRANSMISSION POLE	AC	ASBESTOS CEMENT
LV SERVICE U/G CABLE 16 4/c LV.C.X	(8.25)				HV/LV POLE	EW	EARTHENWARE
PUBLIC LIGHTING CABLE 6mm²	(8.25)				SINGLE POLE SUBSTATION	GI	GALVANIZED IRON
SUPERVISORY CABLE	(8.25)		80W MV, MOUNTED AT 5.5m		HV POLE	PVC	POLYVINYL CHLORIDE
HV MAINS STRAIGHT JOINT			100W HPS, MOUNTED AT 5.5m		LV POLE	RC	REINFORCED CONCRETE
LV MAINS STRAIGHT JOINT			150W HPS, MOUNTED AT 10m		NEW	P/L	PUBLIC LIGHTING
LV SERVICE TEE JOINT			250W HPS, MOUNTED AT 12.5m		EXISTING	FH	FIRE HYDRANT
LV MAIN TEE JOINT			400W HPS, MOUNTED AT 15m		HIGH VOLTAGE CABLE	SWD	STORMWATER DRAIN
INSULATED END			PUBLIC LIGHT (AS SPECIFIED)		LOW VOLTAGE CABLE	PROJ	PROJECTION
SEALED END			SERVICE PIT		TITLE BOUNDARY	℄	CENTRELINE
U/G CABLE CUT END			COMMUNICATIONS PIT		BACK OF KERB	P & W F	POST AND WIRE MESH FENCE
ELECTRICAL DUCT & SIZE			VIC ROADS PIT		TURNING OR TANGENT POINT	C W M	CHAIN WIRE MESH
ELECTRICAL DUCT (63mm OUTSIDE Dia UNLESS SHOWN)			BOUNDARY OR BUILDING LINE		INTERSECTION POINT	SJ	STRAIGHT JOINT (HV, LV)
PIPE (OTHER AUTHORITIES)			KERB LINE		DUCT END	TJ	TEE JOINT (M — MAINS, S — SERVICE)
METER BOX			PARALLELING PILLAR		OUT OF COMMISSION		
		10 / 65	HOUSE No / LOT No				

5 0 5 10 15 20 25
LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

IMPORTANT
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(DATE)___/___/19__

JDJ034	JDK034	JDL034
JDJ033	JDK033	JDL033
JDJ032	JDK032	JDL032

REVISION

26/11/99	-	ADDED UM18 & UM19	L.P.

DRAWN : L.P.
DATE : 25/11/99
CHECKED :
DATE :
SIGNED : J.Dowdle
FOR MANAGER

AGL
DISTRIBUTION NETWORK MAINTENANCE
34 KING WILLIAM ST BROADMEADOWS

MELWAYS REF : 42 G:4

DRG. No. JDK033 REV

UNDERGROUND CABLE PLAN

JDK033

AGL - AutoCAD A1

800 X 574mm

A1

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:56 Subject to attached terms and conditions (DBYD Seq: 79895466)

Warning Uncontrolled Document

Drawing Number: JDK034 C - DBYD 79895466

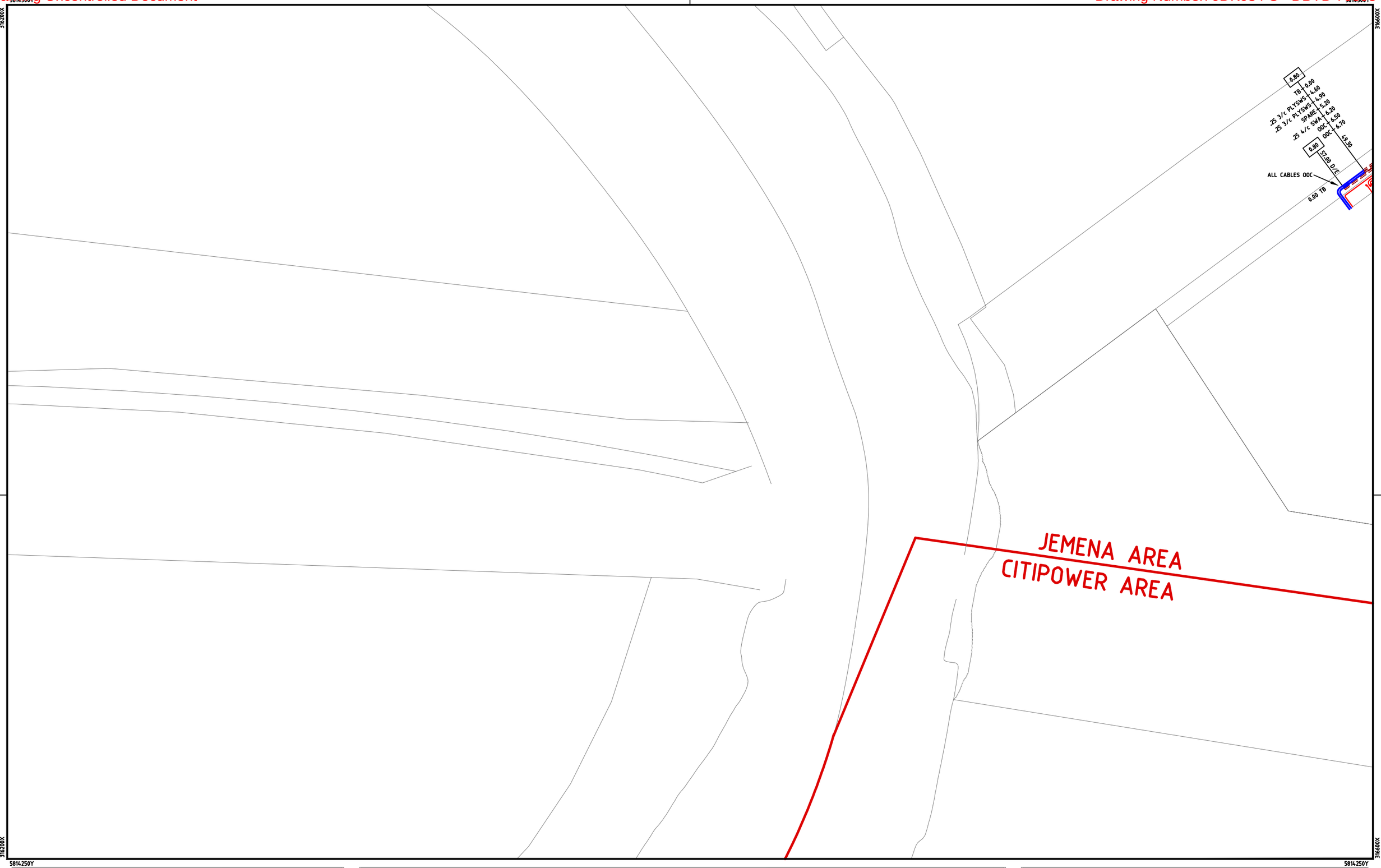
5814300Y

316200X

316600X

5814250Y

UNDERGROUND CABLE PLAN (C)



LEGEND

HV 22kV U/G CABLE 185 3/c 22.X.X.HCH	BLU	DEPTH OF EARTH COVER TO TOP OF CABLE	CABLE HEAD POLE- HV/LV	CHP	CABLE HEAD POLE
LV MAINS U/G CABLE 185 4/c LV.S.A.X	BLU		SUBTRANSMISSION POLE	AC	ASBESTOS CEMENT
LV SERVICE U/G CABLE 16 4/c LV.C.X	BLU	DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS	HV/LV POLE	EW	EARTHENWARE
PUBLIC LIGHTING CABLE 6mm²	BLU		SINGLE POLE SUBSTATION	GI	GALVANIZED IRON
SUPERVISORY CABLE	BLU	80W HV, MOUNTED AT 5.5m	HV POLE	PVC	POLYVINYL CHLORIDE
HV MAINS STRAIGHT JOINT		150W HPS, MOUNTED AT 5.5m	LV POLE	RC	REINFORCED CONCRETE
LV MAINS STRAIGHT JOINT		150W HPS, MOUNTED AT 10m	MDU	P/L	PUBLIC LIGHTING
LV SERVICE TEE JOINT		250W HPS, MOUNTED AT 12.5m	MDU	FH	FIRE HYDRANT
LV MAIN TEE JOINT		400W HPS, MOUNTED AT 15m	EXISTING	SWD	STORMWATER DRAIN
INSULATED END		PUBLIC LIGHT (AS SPECIFIED	HIGH VOLTAGE CABLE	PROJ	PROJECTION
SEALED END		2x14W T5 FLOURO	LOW VOLTAGE CABLE	L	CENTRELINE
U/G CABLE CUT END		2x24W T5 FLOURO	TITLE BOUNDARY	P & W F	POST AND WIRE MESH FENCE
ELECTRICAL DUCT & SIZE		32W COMPACT FLOURO	BACK OF KERB	C W M	CHAIN WIRE MESH
ELECTRICAL DUCT 63mm Dia UNLESS SHOWN		42W COMPACT FLOURO	TURNING OR TANGENT POINT	SJ	STRAIGHT JOINT (HV, LV, N — MAINS, S — SERVICE)
PIPE (OTHER AUTHORITIES)		COMMUNICATIONS PIT	INTERSECTION POINT		
METER BOX		BOUNDARY OR BUILDING LINE	DUCT END	TJ	TEE JOINT
SERVICE PIT		KERB LINE	OUT OF COMMISSION	10/65	HOUSE No / LOT No
VIC ROADS PIT		PARALLELING PILLAR			

600 x 574mm

Jemena Electricity Networks (Vic) Ltd (JEN)
ABN 82 064 651 083
321 Ferntree Gully Road
Mt Waverley, VIC, 3149
GPO Box 2982
Melbourne VIC 3001
www.jemena.com.au

IMPORTANT
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JDJ035	JDK035	JDL035
JDJ034	JDK034	JDL034
JDJ033	JDK033	JDL033

REVISION

02/08/17	C	GENERAL REVISIONS	LP	
31/05/05	B	CHANGED COLOUR OF CONDUITS	JH	BW
27/11/99	A	ADDED FB193:03	LP	

DRAWN : L.Papillo
DATE : 27/11/99

CHECKED :
DATE :

SIGNED :
J.Dowdle
Asset Manager AAE Network

LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

MELWAY REF : 42 G:4

DRG. No. JDK034

REV C

UNDERGROUND CABLE PLAN

JDK034

AutoCAD A1

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A1

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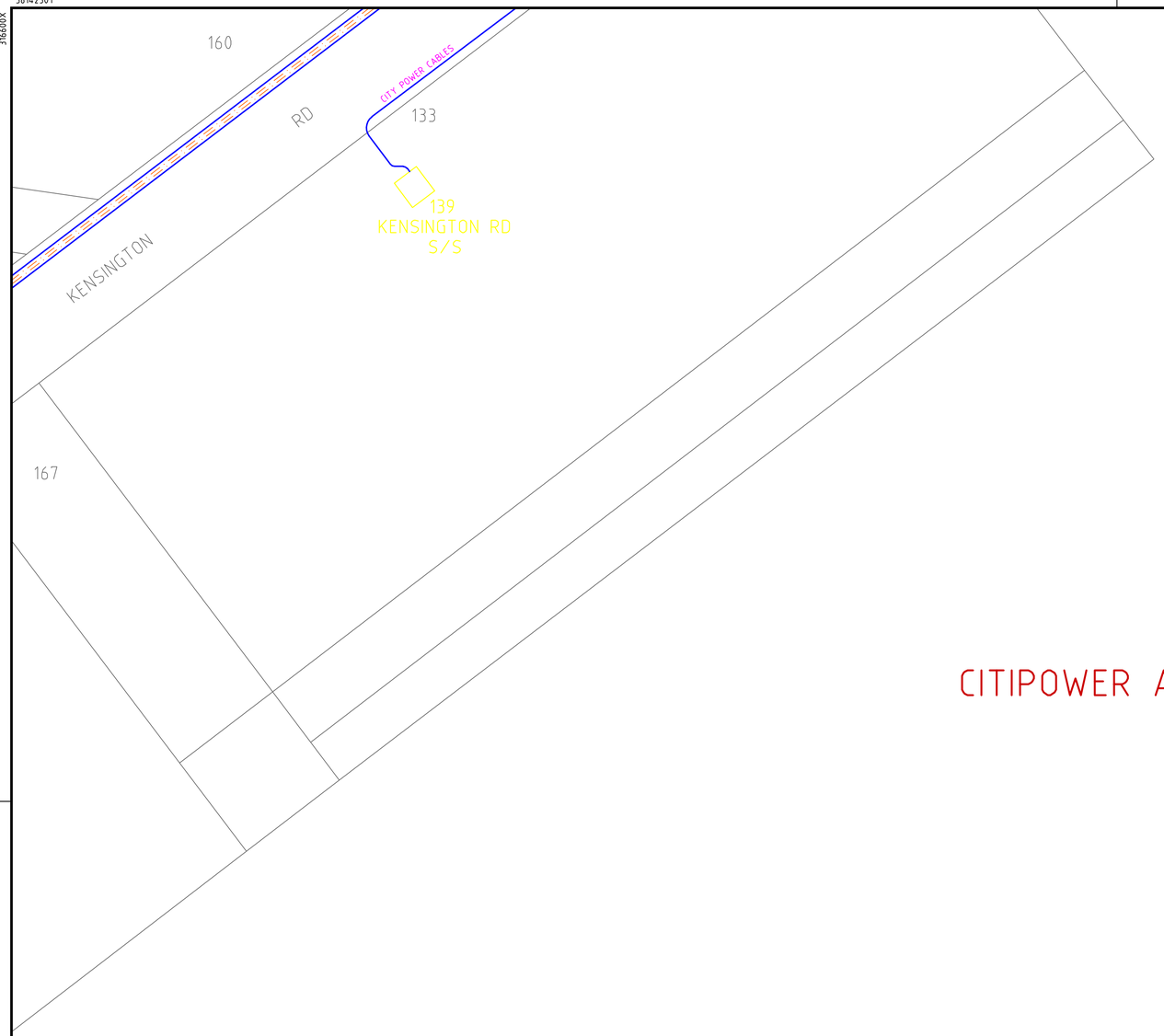
Drawing Number: JDL033 A - DBYD 79895466

5814250Y

3166000X



3170000X

5814000Y

CITIPOWER AREA

UNDERGROUND CABLE PLAN (A)

AGL - AutoCAD A1

LEGEND

- HV 22kV U/G CABLE 185 3/c 22.A.X.HC.H (0.5)
- LV MAINS U/G CABLE 185 4/c LV.SA.X (0.3)
- LV SERVICE U/G CABLE 16 4/c LV.C.X (0.25)
- PUBLIC LIGHTING CABLE 6mm² (0.25)
- SUPERVISORY CABLE (0.25)
- HV MAINS STRAIGHT JOINT
- LV MAINS STRAIGHT JOINT
- LV SERVICE TEE JOINT
- LV MAIN TEE JOINT
- INSULATED END
- SEALED END
- U/G CABLE CUT END
- ELECTRICAL DUCT & SIZE
- ELECTRICAL DUCT (63mm OUTSIDE Dia UNLESS SHOWN)
- PIPE (OTHER AUTHORITIES)
- METER BOX
- DEPTH OF EARTH COVER TO TOP OF CABLE
- DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS
- 80W MV, MOUNTED AT 5.5m
- 100W HPS, MOUNTED AT 5.5m
- 150W HPS, MOUNTED AT 10m
- 250W HPS, MOUNTED AT 12.5m
- 400W HPS, MOUNTED AT 15m
- PUBLIC LIGHT (AS SPECIFIED)
- SERVICE PIT
- COMMUNICATIONS PIT
- VIC ROADS PIT
- BOUNDARY OR BUILDING LINE
- KERB LINE
- PARALLELING PILLAR
- 16 / 65 HOUSE No / LOT No

CHP	CABLE HEAD POLE		
AC	ASBESTOS CEMENT		
EW	EARTHENWARE		
GI	GALVANIZED IRON		
PVC	POLYVINYL CHLORIDE		
RC	REINFORCED CONCRETE		
P/L	PUBLIC LIGHTING		
FH	FIRE HYDRANT		
SWD	STORMWATER DRAIN		
PROJ	PROJECTION		
℄	CENTRELINE		
P & W F	POST AND WIRE MESH FENCE		
C W M	CHAIN WIRE MESH		
SJ	STRAIGHT JOINT	HV / LV	
TJ	TEE JOINT	M — MAINS / S — SERVICE	

- CABLE HEAD POLE- HV/LV
- SUBTRANSMISSION POLE
- HV/LV POLE
- SINGLE POLE SUBSTATION
- HV POLE
- LV POLE
- NEW
- EXISTING
- HV HIGH VOLTAGE CABLE
- LV LOW VOLTAGE CABLE
- TB TITLE BOUNDARY
- BOK BACK OF KERB
- TP TURNING OR TANGENT POINT
- IP INTERSECTION POINT
- D/E DUCT END
- OOC OUT OF COMMISSION

800 X 574mm

5 0 5 10 15 20 25

LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

IMPORTANT
USERS OF THIS PLAN PLEASE NOTE

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WHERE WORK IN CLOSE PROXIMITY TO THE CABLES IS PROPOSED THE POSITION OF THE CABLES MUST FIRST BE CONFIRMED BY CAREFUL HAND EXCAVATION.

(DATE)__/__/19__

JDK034	JDL034	JDM034
JDK033	**JDL033**	JDM033
JDK032	JDL032	JDM032

REVISION

26/11/99	-	ADDED UM19 & PART KB7-1 (CITIPOWER DRG.)	L.P.

DRAWN : L.P.
DATE : 26/11/99

CHECKED :
DATE :

SIGNED :
J.Dowdle
FOR MANAGER

AGL
DISTRIBUTION NETWORK MAINTENANCE
34 KING WILLIAM ST BROADMEADOWS

MELWAYS REF : 42 H:4

DRG. No. JDL033 REV

UNDERGROUND CABLE PLAN

JDL033

A1

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:57 Subject to attached terms and conditions (DBYD Seq: 79895466)

Warning Uncontrolled Document

Drawing Number: JDL034 H - DBYD 79895466

UNDERGROUND CABLE PLAN (H)

5814500Y

5814250Y

316600X

317000X

JEMENA AREA

CITIPOWER AREA

FOR CONTINUATION REFER TO UM468

POINT OF SUPPLY

GOLDSBROUGH WK

HOBSONS

BALMER ST

NICHOLS ST

FAIRBAIRN AV

HOUGSON LN

WAKEFIELD DR

RAYNER RD

KENSINGTON

CITIPOWER CABLES REFER TO X87

NO DETAILS

INSET A

LEGEND

HV 22kV U/G CABLE 185 3/c 22.0.X.XC.H	CABLE HEAD POLE- HV/LV	CHP	CABLE HEAD POLE
LV MAINS U/G CABLE 185 4/c LV.0.X.X	SUBTRANSMISSION POLE	AC	ASBESTOS CEMENT
LV SERVICE U/G CABLE 16 4/c LV.C.X	HV/LV POLE	EW	EARTHENWARE
PUBLIC LIGHTING CABLE 6mm²	SINGLE POLE SUBSTATION	GI	GALVANIZED IRON
SUPERVISORY CABLE	HV POLE	PVC	POLYVINYL CHLORIDE
HV MAINS STRAIGHT JOINT	LV POLE	RC	REINFORCED CONCRETE
LV MAINS STRAIGHT JOINT	NEW	PL	PUBLIC LIGHTING
LV SERVICE TEE JOINT	EXISTING	FH	FIRE HYDRANT
LV MAIN TEE JOINT	HIGH VOLTAGE CABLE	SWD	STORMWATER DRAIN
INSULATED END	LOW VOLTAGE CABLE	PROJ	PROJECTION
SEALED END	TITLE BOUNDARY	L	CENTRELINE
U/G CABLE CUT END	BACK OF KERB	P & W F	POST AND WIRE MESH FENCE
ELECTRICAL DUCT & SIZE	TURNING OR TANGENT POINT	C W M	CHAIN WIRE MESH
ELECTRICAL DUCT 100mm Dia UNLESS SHOWN	INTERSECTION POINT		
PIPE (OTHER AUTHORITIES)	DUCT END	SJ	STRAIGHT JOINT
METER BOX	OUT OF COMMISSION	TJ	TEE JOINT
SERVICE PIT			
VIC ROADS PIT			
PARALLELING PILLAR			

DEPTH OF EARTH COVER TO TOP OF CABLE

DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS

80W HV, MOUNTED AT 5.5m
150W HPS, MOUNTED AT 5.5m
150W HPS, MOUNTED AT 10m
250W HPS, MOUNTED AT 12.5m
400W HPS, MOUNTED AT 15m
PUBLIC LIGHT (AS SPECIFIED)
2x14W T5 FLUORO
2x24W T5 FLUORO
32W COMPACT FLUORO
42W COMPACT FLUORO
COMMUNICATIONS PIT
BOUNDARY ON BUILDING LINE
KERB LINE

H — MAINS
S — SERVICE

HOUSE No / LOT No

Jemena Electricity Networks (Vic) Ltd (JEN)
ABN 82 064 651 083
321 Ferntree Gully Road
Mt Waverley, VIC, 3149
GPO Box 2982
Melbourne VIC 3001
www.jemena.com.au

IMPORTANT
USERS OF THIS PLAN PLEASE NOTE

ALL REASONABLE CARE HAS BEEN TAKEN TO ENSURE THAT THE UNDERGROUND CABLE LOCATION INFORMATION IS CORRECTLY SHOWN ON THIS PLAN.

HOWEVER, THE INFORMATION CANNOT BE GUARANTEED FOR CORRECTNESS OR COMPLETENESS.

WHERE WORK IN CLOSE PROXIMITY TO THE CABLES IS PROPOSED THE POSITION OF THE CABLES MUST FIRST BE CONFIRMED BY CAREFUL HAND EXCAVATION.

JGK035	JDL035	JDM035
JDK034	JDL034	JDM034
JDK033	JDL033	JDM033

REVISION

02/08/17	H	GENERAL REVISIONS	LP	
18/07/07	G	HV & LV CABLES TO HOBSON-GLUE No2 MADE O.O.C.	SV	DS
31/05/05	F	CHANGED COLOUR OF CONDUITS	JH	BW
18-07-03	E	ADDED PUBLIC LIGHTING	SV	
21-02-02	D	TRANSITION HV JOINT ADDED O/S 41 HOBSONS ROAD 150mm² TO 240mm²	SV	
23-08-00	C	ADDED ND18	KDG	
22/12/99	B	ADDED NG6	LP	
17/12/99	A	ADDED 2-JOINTS,2 CONDUITS & REPLACED PART OF S/C ACROSS BALMER ST	LP	
06/12/99	-	ADDED UM19,MB7,FB193:03,FB193:04,PART UM468 & PART KB7:01 (CITIPOWER)	LP	

DRAWN : L.Papillo
DATE : 06/12/99

CHECKED :
DATE :

SIGNED :
J.Dowdle
Asset Manager AAE Network

LENGTHS ARE IN METRES
ORIGINAL SCALE: 1:500

MELWAY REF : 42 H:4

DRG. No. JDL034

REV H

UNDERGROUND CABLE PLAN

JDL034

AutoCAD A1

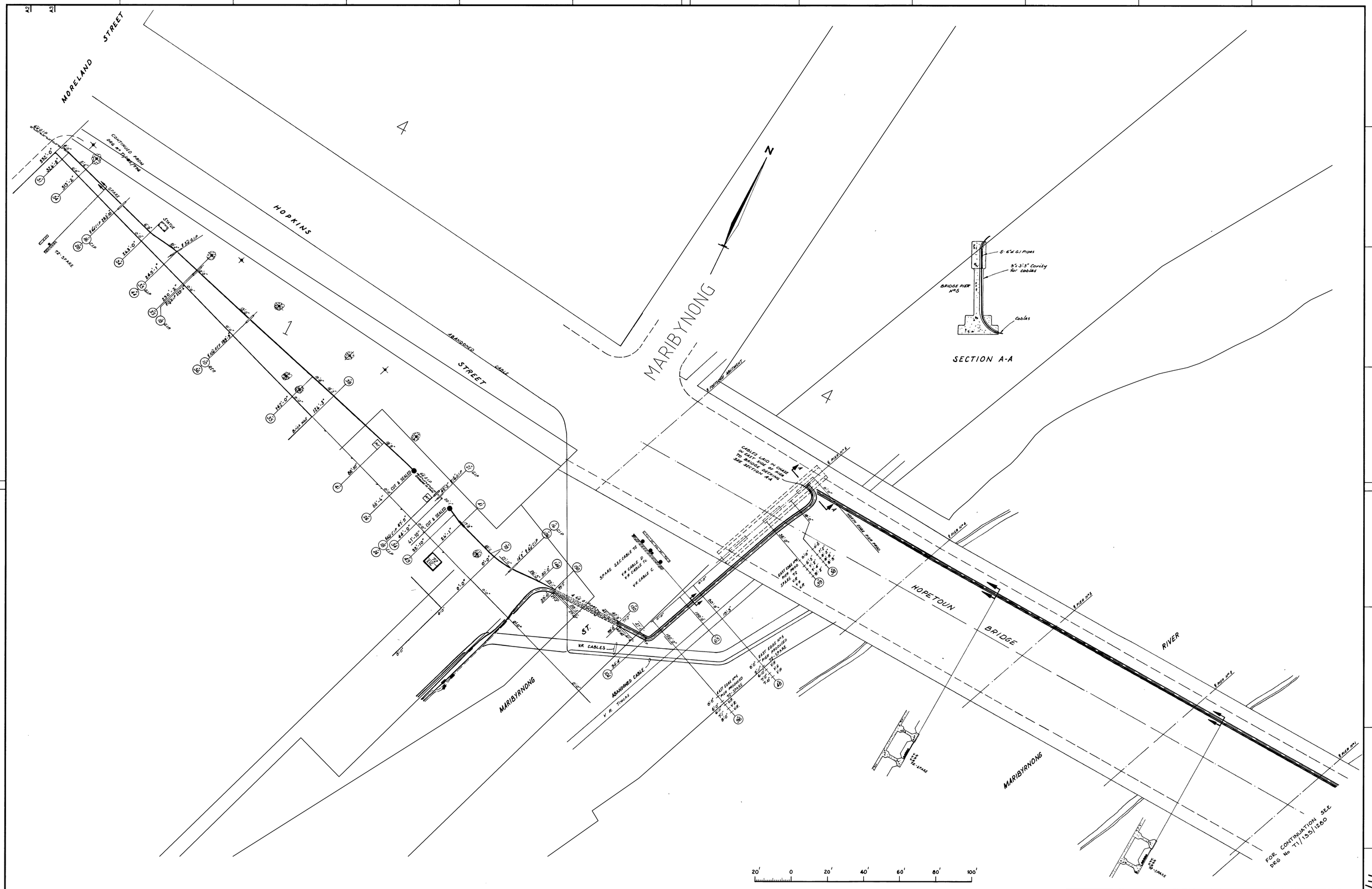
800 x 574mm

A1

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:57 Subject to attached terms and conditions (DBYD Seq: 79895466)

Warning Uncontrolled Document
Drawing Number: UM775 D - DBYD 79895466

MF DISTBN S5



REFERENCE DRAWINGS		
METROPOLITAN UNDERGROUND CABLE SYSTEM KEY MAP TO ROUTE PLANS.	OM 36/195	

REVISION			
07.06.02	D	ADDED FEILD NOTE FN04, CUT & SEALED CABLE	BW

DRAWN AJL
CHECKED
CHIEF DRAFTSMAN
DESIGN ENGINEERS
APPROVED
PRINCIPAL DESIGN ENGINEER TRANSMISSION

AGL
AGL DISTRIBUTION NETWORK MAINTENANCE
333 COLLINS ST MELBOURNE

T1/195/775 D

UNDERGROUND CABLE ROUTE PLAN
HOPKINS STREET & HOPETOUN BRIDGE
FOOTSCRAY

T1/195/775

SECV STD B1

679 × 960mm

B1

HOPKINS ST / HOPETOUN BRIDGE (D)

Extracted from drawBRIDGE (DBYD Module) on Tuesday, 5 February 2019 16:41:56 Subject to attached terms and conditions (DBYD Seq: 79895466)

Appendix E

Selected historical drawings

VICTORIAN RAILWAYS.
MELBOURNE & SUBURBS.
SCALE TWO INCHES TO ONE MILE.
COLORED B TO A NORTH MELBOURNE TO OAKLEIGH VIÂ KEW &c. 15·41 MILES.
" B " A NORTH MELBOURNE TO OAKLEIGH VIÂ RICHMOND &c. 14·00 "
" C " A HAWTHORN TO OAKLEIGH 7·46 "
" D " A PIC-NIC STATION TO OAKLEIGH 7·035 "
" E " A SOUTH YARRA TO OAKLEIGH 7·012 "
" F " A BALACLAVA TO OAKLEIGH 5·816 "
" G " A ELSTERNWICK TO OAKLEIGH 4·887 "
NOTE— THE FIGURES ON THE PROPOSED RAILWAY LINES MARKED ARE THE HEIGHTS IN FEET ABOVE LOW WATER MARK HOBSON'S BAY.
THE FIGURES ON THE CONSTRUCTED RAILWAY LINES MARKED ARE THE HEIGHTS IN FEET ABOVE LOW WATER MARK HOBSON'S BAY TO RAIL LEVEL.
RAILWAY DEPARTMENT MELBOURNE, AUGUST, 1873.
MARIBYRNONG
DOUTTA GALLA
JIKA JIKA
BULLEEN
WARRANDYTE
DERRIMUT
CUT-PAW-PAW
TRUGANIA
BOROONDARA
NUNAWADING
MULGRAVE
MORDIALLOC
DANDENONG
HOBSON'S BAY
PORT PHILLIP BAY
ELGAR'S SPECIAL SURVEY
UNWIN'S SPECIAL SURVEY
DENDY'S SPECIAL SURVEY
MELBOURNE
SOUTH YARRA
TOORAK
PRAHRAN
ESSENDON
KEILOR
WARRINGAL
PENTRIDGE
NORTHCOTE
COLLINGWOOD
CARLTON
FOOTSCRAY
SANDRIDGE
EMERALD HILL
ALBERT PARK
WILLIAMSTOWN
BROOKLYN
CAULFIELD
OAKLEIGH
ELSTERNWICK
BRIGHTON
KEW
HAWTHORN
RICHMOND
PRINCES PARK
ROYAL PARK
RACE COURSE
SANDRIDGE LINE
GEELONG AND MELBOURNE RAILWAY
SKELETON WATER HOLES CREEK
DANDENONG CREEK
A
B
C
D
E
G

MELBOURNE AND METROPOLITAN BOARD OF WORKS.

CITY OF MELBOURNE

DETAIL PLAN No. 788

SCALE 40 FEET TO 1 INCH

100 50 0 100 200

No.

784

785

305

789

872

677

678

RIVER

SALTWATER

FOOTSCRAY

ROAD

STREET

HIGHETT

FLETCHER

SWAMP

WORKS

SOAP & CANDLE

RAILWAY BRIDGE

RAILWAY LINE To Melbourne BRIDGE

From Williamstown

MUNICIPAL BOUNDARY

MUNICIPAL BOUNDARY City of

BOUNDARY Melbourne

City of Footscray
City of Melbourne

Storage Sheds

Engine Shed

Pitched

Galv Iron

Bone Mills
Galv Iron

Desiccating Works
Galv Iron

Tallowing

Fellmongery

Galv Iron Varnish Works

Galv Iron Paint Shop

Half - Way Hotel

Asphalted Yard

Road Boundary plotted from City Surveyors Plan

Ridge of Metal

Surface Drain

15" Water Main

12" Water Main

6" Water Main

18" W.M.

— REFERENCE —

Main Sewer
Main Branches
Reticulation Sewers 4" 6" 9"
Connection
Circular Manhole ● M.
Square ■ M.
Oblong ■ M.
Pentstock ● P.M.
Manhole with Drop ● M.D.
Ventilator ○ V.
Inspection Shaft □ I.S.
Inspection Opening □ I.O.
Flushing Syphon ⬚ F.S.
Section of Sheet No. S.S.M.
BLUE Gradient & Size of Pipe
Green figures denote No. of item in Schedule of Quantities

MELBOURNE & M.B. OF WORKS 5 MAY 1898 BOARD OF WORKS

ENGINEER-IN-CHIEF.

Geo. H. Grant
Surveyor
Clerk of Works Melb. Survey

821,09E
1895-
Melb. 788

788

Melb. 788

821,09E
1898-

MELBOURNE AND METROPOLITAN BOARD OF WORKS.

CITY OF MELBOURNE

DETAIL PLANS Nos 872 & 873

SCALE 40 FT - 1 INCH

Geo H Grant
Surveyor
LAND EXPL. & SURVEYOR
W. Thwaites
Eng in Chief
7.1.05
872 & 873

872-73

Map

SHEWING THE SITE OF

MELBOURNE

and the position of the Huts & Buildings previous to the foundation of the Township by Sir Richard Bourke,

in 1837.

Surveyed & drawn by

Robert Russell

Scale 8 Inches to a Mile

JIKA-JIKA PARISH.

MERRI CREEK.

MARIBURNONG OR SALTWATER RIVER

Old Dissociation

New Sydney Road.

Town Reserve.

Moonee Ponds

CUTPAWPAW PARISH.

Punt

Swamp.

MELBOURNE

Melbourne (New Town.)

SUBURBS

YARRA RIVER

Captain Lonsdale

C. J. La Trobe.

Police Reserve.

Wharf

RIVER YARRA.

SUBURBS

PRAHRAN PARISH.

Road from Melbourne to Williams' Town.

HOBSON'S BAY.

Landing place.

William's Town.

Point Gellibrand.

N

PORT PHILLIP BAY.

PLAN
OF THE
Town of Melbourne.
1841.

JOHN PASCOE FAWKNER,
PRINTER AND PUBLISHER.

821.09
A
1841
FAWKNER

DRAWING Nº I.

MELBOURNE HARBOUR TRUST

GENERAL PLAN

SHEWING HARBOUR IMPROVEMENTS

AS RECOMMENDED BY SIR JOHN COODE
IN HIS REPORT OF 17TH FEBY 1879.

The Proposed Works are shewn by Red Colour.

NOTE; Soundings denote depths in feet and Inches, below low Water Spring Tides

SCALE, 1000 FEET TO ONE INCH

Feet 1000 500 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

THOMAS KELL LITH. 40. KING ST COVENT GARDEN.