

Preliminary Development Servicing Report

18 Lot Subdivision 88A-90 Wedge Street, Kyneton

Prepared on behalf of Jasper Family Trust

February 2023

Ref: 13263

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REF: 13263

Document History and Status

Rev.	Status	Date	Project Manager	Project Reviewer	Authorised
А	Draft	Jan-22	Jack Maher	Alex Reid	
В	Revised lot layout	May-22	Brody Brown	Matthew Elliot	
С	Revised catchment	February-23	Brody Brown	Matthew Elliot	Alex Reid

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1 Introduction

The Jasper Family Trust has engaged Tomkinson on their behalf, to conduct a servicing report for the proposed Development Plan application for a Multi Lot Subdivision at 88A-90 Wedge Street, Kyneton. The Development Plan will also include 88 Wedge Street site, but is not part of the sponsors ownership or the future subdivision application. The subject site is located between Wedge Street, Powlett Street, and a current unmade Government Road. The site is approximately 2.50 hectares in area.

A desktop study and site inspection have been undertaken to determine the services located in and near the site as provided by the 'Dial before you dig' service and observed from aerial photos. The plans received are included in the Appendices. The availability of these services will be discussed to determine the development's ability to provide the necessary physical and social infrastructures such as roads, footpaths, and drainage assets to the future residents of the development.

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2 Site and Surrounds

The Subject Site is located on the southern side of the Calder Freeway and to the west of Mollison Street as shown in Figure 1 below. The subject site comprises of several parcels approximately 2.50 hectares in area and is proposed to be subdivided into 18 lots with a reserve area for stormwater detention and treatment. A services Functional Layout Plan has been prepared to demonstrate the proposed locations of services and infrastructure within the development and surrounds and is located in Appendix A.

The site is typically grassed and contains various tree and vegetation clusters. The topography of the subject site generally falls from north to south towards Post Office Creek.



Figure 1: Locality Plan

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3 Road & Pedestrian Access

The developer will be responsible for the construction of new roads within the development. These roads are to conform to the Infrastructure Design Manual for the Macedon Ranges Shire Council.

The site will have immediate road access from Wedge Street which is currently a rural profile road consisting of a typical 4.7m seal, 0.5m shoulder and table drains (See Figure 2). Similar to IDM standards, this rural profile has been determined to be a suitable road profile for access to the development and maintain the local rural nature and amenity. Any lots fronting Wedge Street to have sealed driveways for access. A footpath will also be constructed fronting all these lots to provide physical and social pedestrian access to the development. It is also recommended to widen the road to 6m where it fronts the development (as shown in Appendix A).



Figure 2: Wedge Street Google Street View looking North from Post Office Creek

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Both the existing unmade government roads (See Figure 3) and Powlett Street Road reserves will be upgraded to provide access from Wedge Street into the subdivision. This upgrade will include a modified rural profile adopting similar style to existing local road reserves with an addition of a footpath on one side with table drains and underground drainage as required.



Figure 3: Government Road Reserve Google Street View looking East from Wedge Street

The internal subdivision's court bowl will match the standard IDM urban profile with a sealed road with kerb and channel and underground drainage. Due to the services being located on the western side of Powlett Street, additional widening to the east would not be required. The court bowl and road reserve would instead widen to the west as needed.

Refer to Appendix A for a typical section of each proposed road.

To aid in physical and social infrastructure needs it is proposed for the development to provide driveways fronting each lot and footpaths from Wedge Street through the Government Road reserve and connecting to Powlett Street.

The closest footpath is currently located 550m to the southeast towards the Kyneton CBD. Therefore, it is deemed it would be too onerous on the development to fund footpath linkage to other footpath networks beyond the site frontages. These linking footpaths would have a greater shared benefit to the wide community and consequently, it is envisioned that footpath schemes over time will create this linked network.

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4 Drainage & Flooding

The site currently has no internal underground drainage present other than a piped system in Wedge Street that discharges to the creek. Flows are currently conveying overland to the south and discharging into Post Office Creek. Wedge Street comprises existing table drains with an underground network and culvert crossings to all property accesses. An existing table drain in the Government Road reserve conveys flows from the Powlett Street Road reserve to the Wedge Street system.

A preliminary flood investigation into Post Office Creek with NCCMA's 'Floodeye' portal shows the site is partially subject to inundation/flooding from Post Office Creek during a 1% AEP event. (See Figure 4 below). This inundation/flooding area is proposed to be made into a council reserve. All lots are proposed to be clear of the 1% AEP flooding footprint. Lots and infrastructure will average a 30m setback from the creek primary top of bank.

The proposed infrastructure functional plans in Appendix A show the proposed drainage system for the development. Refer to the SWMP report in this application for further detail regarding Drainage and flood measures proposed.

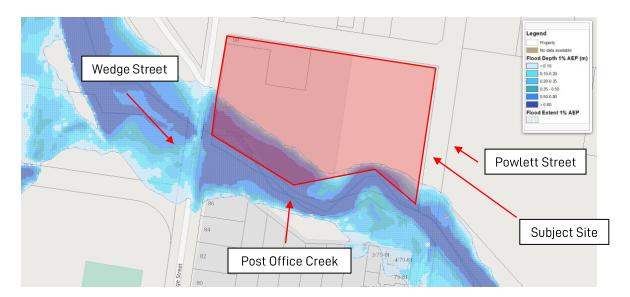


Figure 4: NCCMA 'Floodeye' Map

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5 Water Reticulation

5.1 Potable Drinking Water Reticulation

There are currently two Coliban Water reticulation mains that reside on the eastern side of Wedge Street. The first is a 100mm diameter AC (Asbestos Cement) main which extends through Wedge Street. The second is a 125mm diameter PE100 (Polyethylene) main which offtakes from the 100mm AC main near the northern boundary of 88 Wedge Street and extends south to the middle of 88 Wedge Street. (See Appendix B). These mains have been determined to be suitable to service the proposed site. It is proposed to extend these watermains in accordance with Coliban water requirements within the new proposed road alignments to supply potable water to each lot.

5.2 Non-Potable Recycled Water Reticulation

There is currently no Recycled Non-Potable Water Reticulation located near the subject site nor the need to provide the service.

6 Sewer

225mm VC (Vitreous Clay) sewer currently runs down the eastern side of Wedge Street to approximately the intersection with Brocklebank Drive. It then crosses Wedge Street and runs on the western side until it intersects with the 300mm VC main.

There is also currently a 150mm dia Unplasticised Polyvinyl Chloride (UPVC) sewer that runs through a neighbouring site from the 225mm VC sewer and terminates within the subject site. (See Appendix B). These two mains have been deemed suitable to service the site and control the site with reticulated gravity sewer.

It is proposed to extend the sewer reticulation in accordance with Coliban water requirements to provide reticulated sewer to each proposed lot.

7 Gas

There is a 50mm Plastic Polyethylene (PE) gas service that extends down the east of Wedge Street. This service stops approximately 5m south of the northern boundary of 88 Wedge Street.

Ausnet has also proposed for a 63mm PE808 Metric to be installed in the government road reserve at the north of the site. The service is proposed to align to the eastern boundary of 90 Wedge Street. (See Appendix C). These gas services have been deemed appropriate to be extended and service the site.

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8 Power

High Voltage Overhead power lines currently run on the western side of Wedge Street with a substation located on the power pole adjacent to 90 Wedge Street. Underground Low Voltage power then connects into this substation and runs to the front of Lot 90. Subject to Powercor approval and reasonable costs to complete, it is proposed to relocate the overhead power to an underground system, subject to Powercor advice.

Powlett Street also contains a High Voltage overhead powerline which sits on the western side until the northern boundary of the subject site. The powerline then crosses to the eastern side and continues south towards Post Office Creek (See Appendix D). This power infrastructure is appropriate to service the site with underground power reticulation through the Road reserve to service each proposed lot.

9 Telecommunications

Existing Telstra services are currently running along the centre of Wedge Street adjacent to the subdivision and connect into the north-western corner of the subject site. They then align closer to the eastern side of Wedge Street and continue to run north as shown per Telstra's 'Dial Before You Dig' (DBYD) plan (Appendix E).

Powlett Street Road reserve also hosts existing Telstra cables that lay on the western side of the reserve. These are indicated as main cable ducts on Telstra's DBYD plan. (See Appendix E)

NBN is nominated as the Infrastructure Provider of Last Resort for the development. It is proposed to install NBN Pit and Pipe for NBN fibre installation to each proposed lot.

10 Conclusion

A preliminary services investigation has been undertaken which has identified that all services can be provided to the proposed residential development on the subject site. These services have been deemed to be the necessary physical and social infrastructure provided to the residents of the development. This preliminary investigation has been undertaken exclusively for the Jasper Family Trust and consists of 10 pages together with its associated appendices.

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APPENDIX A PROPOSED SITE SERVICING PLAN

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REVISED CATCHMENTS AND ADDED DRAINAGE RESERVE

WEDGE STREET WIDENED ON THE DEVELOPMENT SIDE AMENDMENTS TO LOT 2,10,18 DRIVEWAYS AND REDUCED NUMBER OF LOTS BY ONE A AS SUBMITTED TO CLIENT

REVISION

BB - 10/02/23 BB ME 08/06/22 BB ME 11/05/22 BB ME 2/01/22 DES DWG CHK DATE





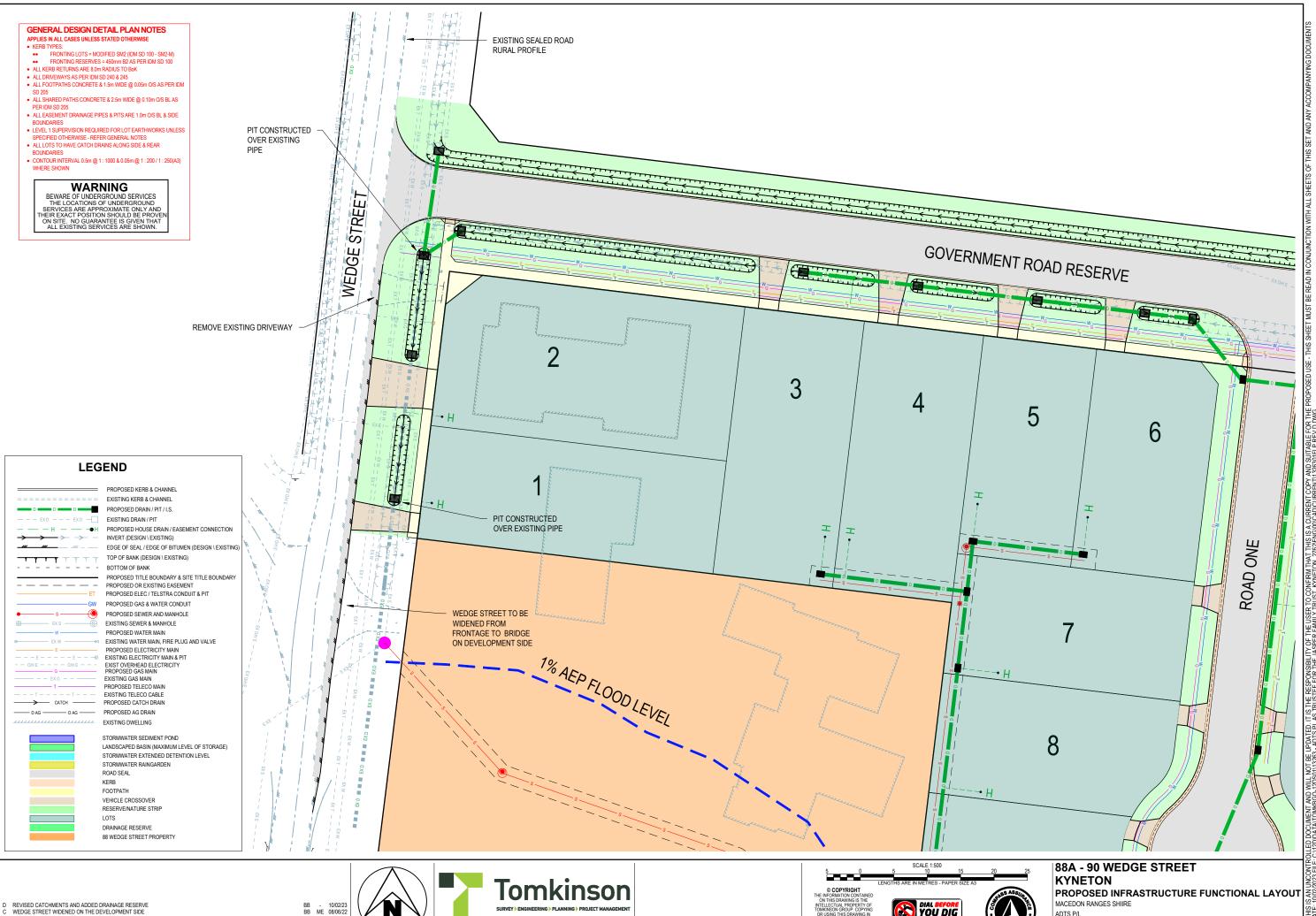
PROPOSED INFRASTRUCTURE FUNCTIONAL LAYOUT

MACEDON RANGES SHIIRE

DWG STATUS:

1326301FLP01/06 D

HEAD OFFICE: 57 MYERS STREET BENDIGO PH 03 5445 8700 ABN 11 103 336 358 WWW.TOMKINSON.COM



WEDGE STREET WIDENED ON THE DEVELOPMENT SIDE AMENDMENTS TO LOT 2,10,18 DRIVEWAYS AND REDUCED NUMBER OF LOTS BY ONE A AS SUBMITTED TO CLIENT

BB - 10/02/23 BB ME 08/06/22 BB ME 11/05/22 BB ME 2/01/22 DES DWG CHK DATE





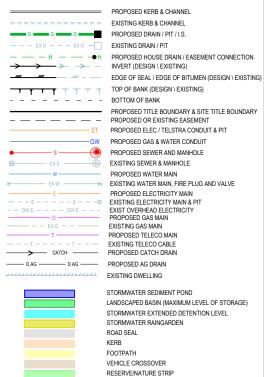


PROJECT & DWG No: DWG STATUS:

1326301FLP02/06 D



LEGEND



DRAINAGE RESERVE 88 WEDGE STREET PROPERTY

GENERAL DESIGN DETAIL PLAN NOTES

FRONTING LOTS = MODIFIED SM2 (IDM SD 100 - SM2-M)
 FRONTING RESERVES = 450mm B2 AS PER IDM SD 100

ALL KERB RETURNS ARE 8.0m RADIUS TO BoK

 ALL DRIVEWAYS AS PER IDM SD 240 & 245 ALL FOOTPATHS CONCRETE & 1.5m WIDE @ 0.05m O/S AS PER IDM

ALL SHARED PATHS CONCRETE & 2.5m WIDE @ 0.10m O/S BL AS

LEVEL 1 SUPERVISION REQUIRED FOR LOT EARTHWORKS UNLESS

SPECIFIED OTHERWISE - REFER GENERAL NOTES

• ALL LOTS TO HAVE CATCH DRAINS ALONG SIDE & REAR

CONTOUR INTERVAL 0.5m @ 1 : 1000 & 0.05m @ 1 : 200 / 1 : 250(A3)
 WHERE SHOWN

WARNING

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

REVISED CATCHMENTS AND ADDED DRAINAGE RESERVE

C WEDGE STREET WIDENED ON THE DEVELOPMENT SIDE

AMENDMENTS TO LOT 2,10,18 DRIVEWAYS AND REDUCED NUMBER OF LOTS BY ONE

AS SUBMITTED TO CLIENT

REVISION

BB - 10/02/23 BB ME 08/06/22 BB ME 11/05/22 BB ME 2/01/22 DES DWG CHK DATE



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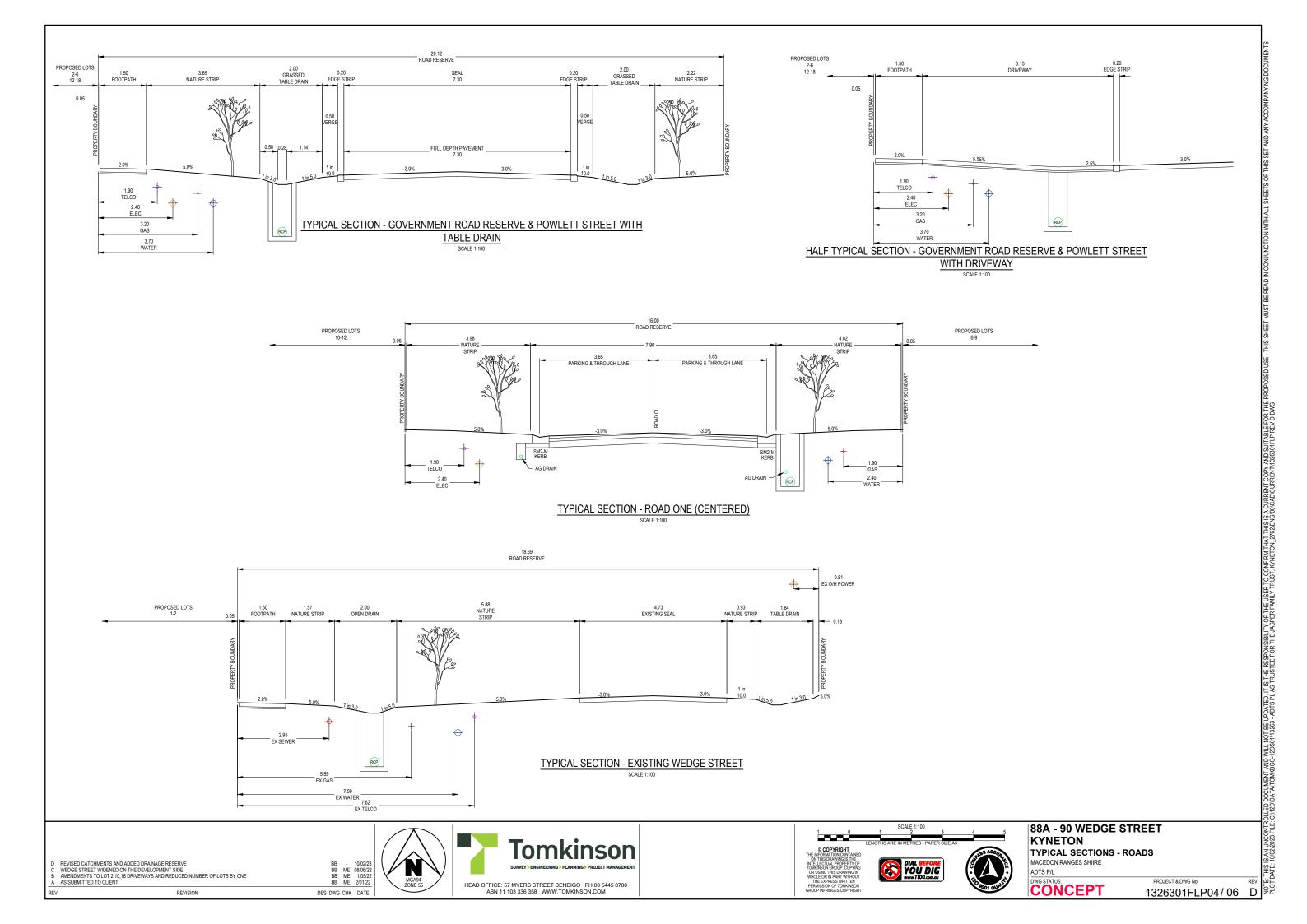
88A - 90 WEDGE STREET KYNETON

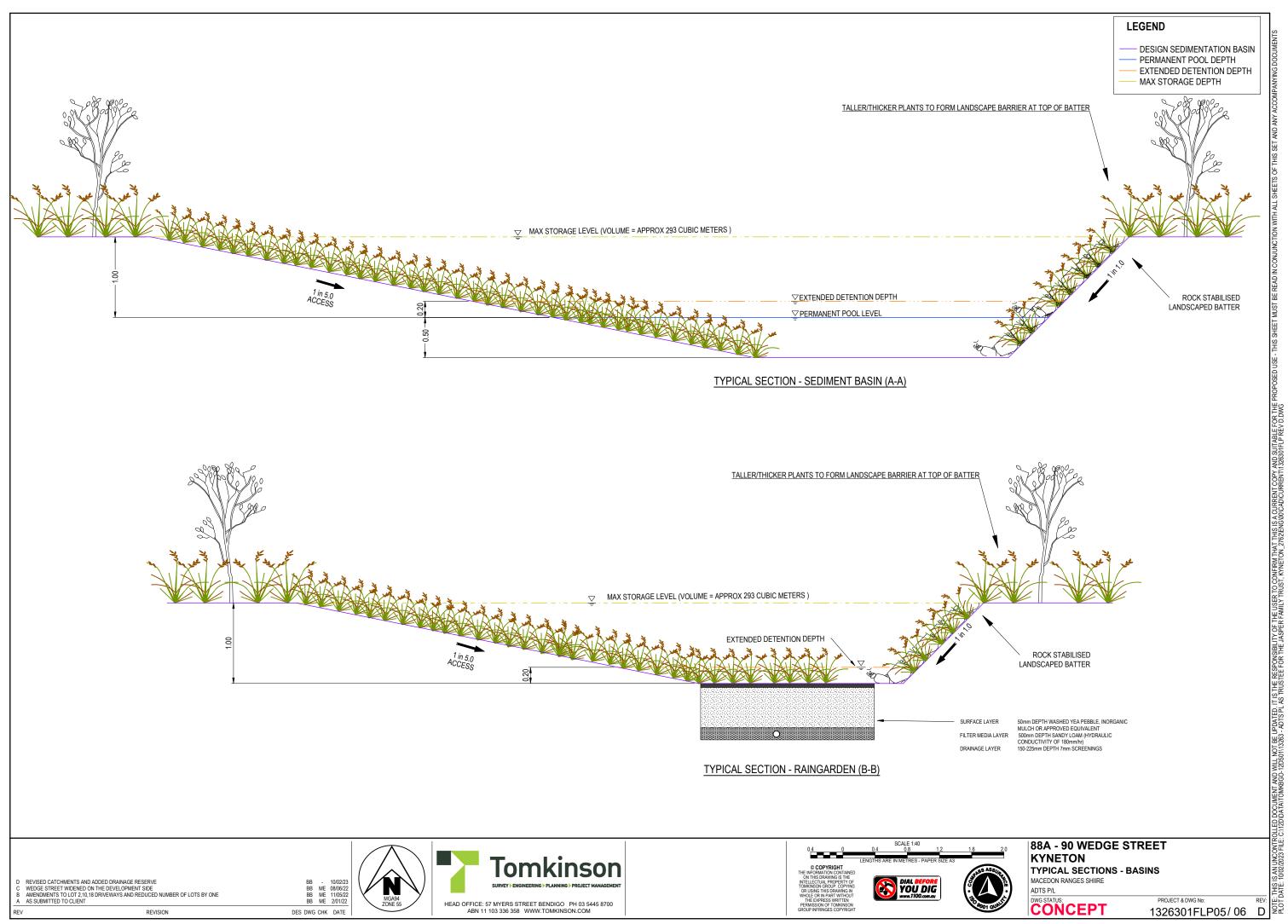
PROPOSED INFRASTRUCTURE FUNCTIONAL LAYOUT

MACEDON RANGES SHIIRE

PROJECT & DWG No: DWG STATUS:

1326301FLP03/06 D







CONCEPT FUNCTIONAL LAYOUT ON AERIAL PHOTO

MACEDON RANGES SHIIRE

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DIAL BEFORE
YOU DIG

DWG STATUS: 1326301FLP06/06 D

- WEDGE STREET WIDENED ON THE DEVELOPMENT SIDE AMENDMENTS TO LOT 2,10,18 DRIVEWAYS AND REDUCED NUMBER OF LOTS BY ONE
- A AS SUBMITTED TO CLIENT
- REVISION DES DWG CHK DATE

BB - 10/02/23 BB ME 08/06/22 BB ME 11/05/22 BB ME 2/01/22



HEAD OFFICE: 57 MYERS STREET BENDIGO PH 03 5445 8700 ABN 11 103 336 358 WWW.TOMKINSON.COM



APPENDIX B SITE WATER AND SEWER

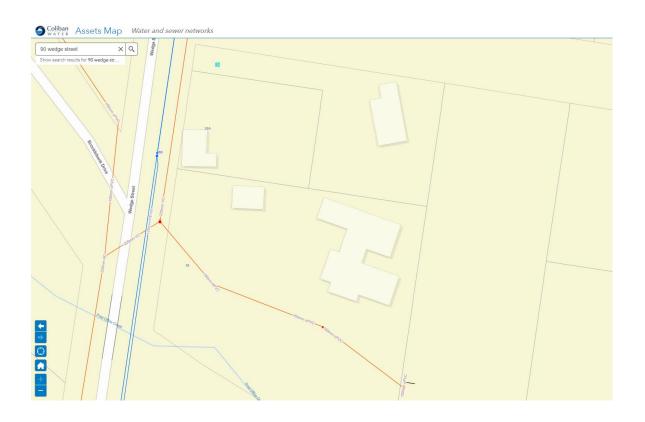
BLUE LINE = WATER

PURPLE LINE = CLASS B WATER

RED LINE = SEWER

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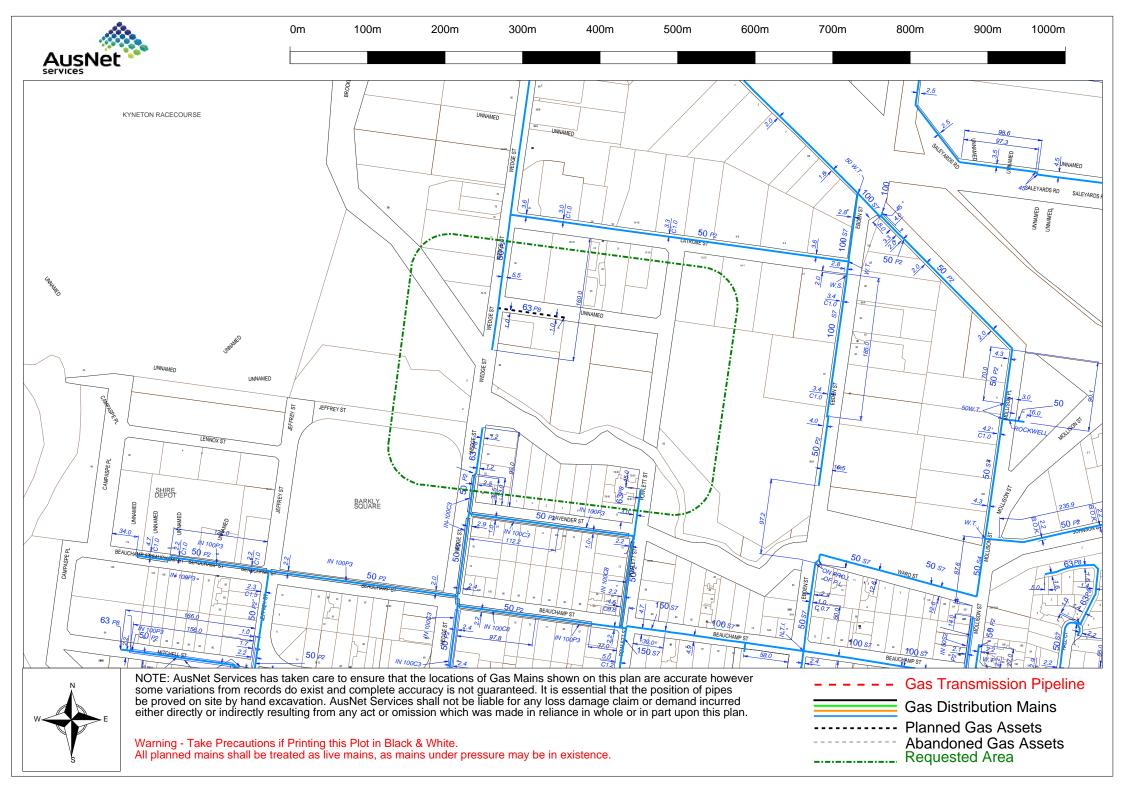


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APPENDIX C SITE GAS SUPPLY

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APPENDIX D SITE POWER SUPPLY

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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



26/10/2021

Jack Maher Reference Number 204502375

Tomkinson 57 Myers Street

Bendigo VIC 3550

DANGER
ELECTRICITY ASSETS IN AREA

Dear Customer

Thankyou for your enquiry on 26/10/2021 88 Wedge Street Kyneton regarding the work at:

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')

Tomkinson - Jack Maher

57 Myers Street

Bendigo VIC 3550



Enquiry Details		
Utility ID	50021	
Sequence Number	204502375	
Enquiry Date	26/10/2021 10:35	
Response DANGER - Permit May Be Required		
Address	88 Wedge Street Kyneton	
Location in Road	Road,Nature Strip,Footpath	
Activity	Planning and Design,Subdivision	

Enquirer Details				
Customer ID	3079142			
Contact	Jack Maher			
Company	Tomkinson			
Email	jmaher@tomkinson.com			
Phone	+61354458700	Mobile		

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: 204502375

88 Wedge Street Kyneton

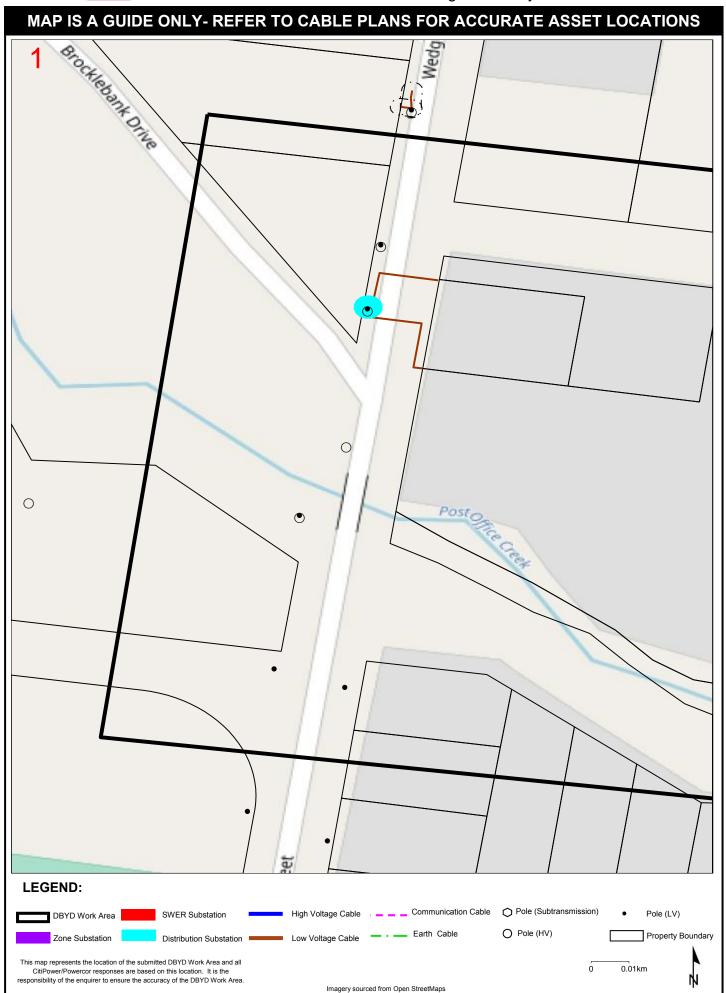






Sequence No: 204502375

88 Wedge Street Kyneton







Sequence No: 204502375

88 Wedge Street Kyneton



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

JNDERGROUND ELECTRICITY HAZARD **AWARENESS INSTRUCTIONS**

For CitiPower & Powercor Dial Before You Dig customers EXCLUSION ZONES

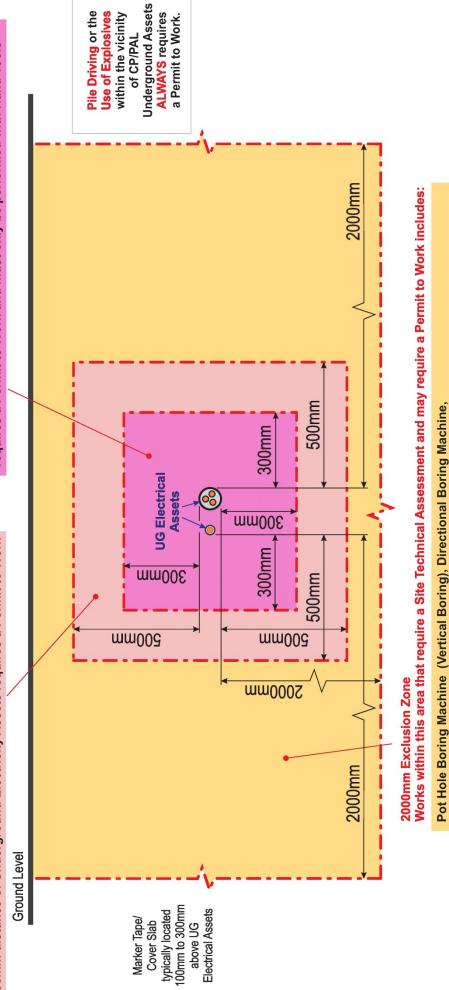




Heavy Machinery & Mechanical Excavation 500mm Exclusion Zone

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

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



For Underground Electricity Asset location purposes:

Excavations Parallel to Underground Electricity Assets, Excavations Across Underground Electricity Assets

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 Careful Excavation by hand may be performed under a Permit to Work above energised Underground Electricity Assets within the Exclusion Zone

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



APPENDIX E SITE TELSTRA CABLE PLAN

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For all Telstra DBYD plan enquiries email - Telstra.Plans@team.telstra.com

For urgent onsite contact only - ph 1800 653 935 (bus hrs)

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

Generated On 26/10/2021 10:44:34

Sequence Number: 204502868

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

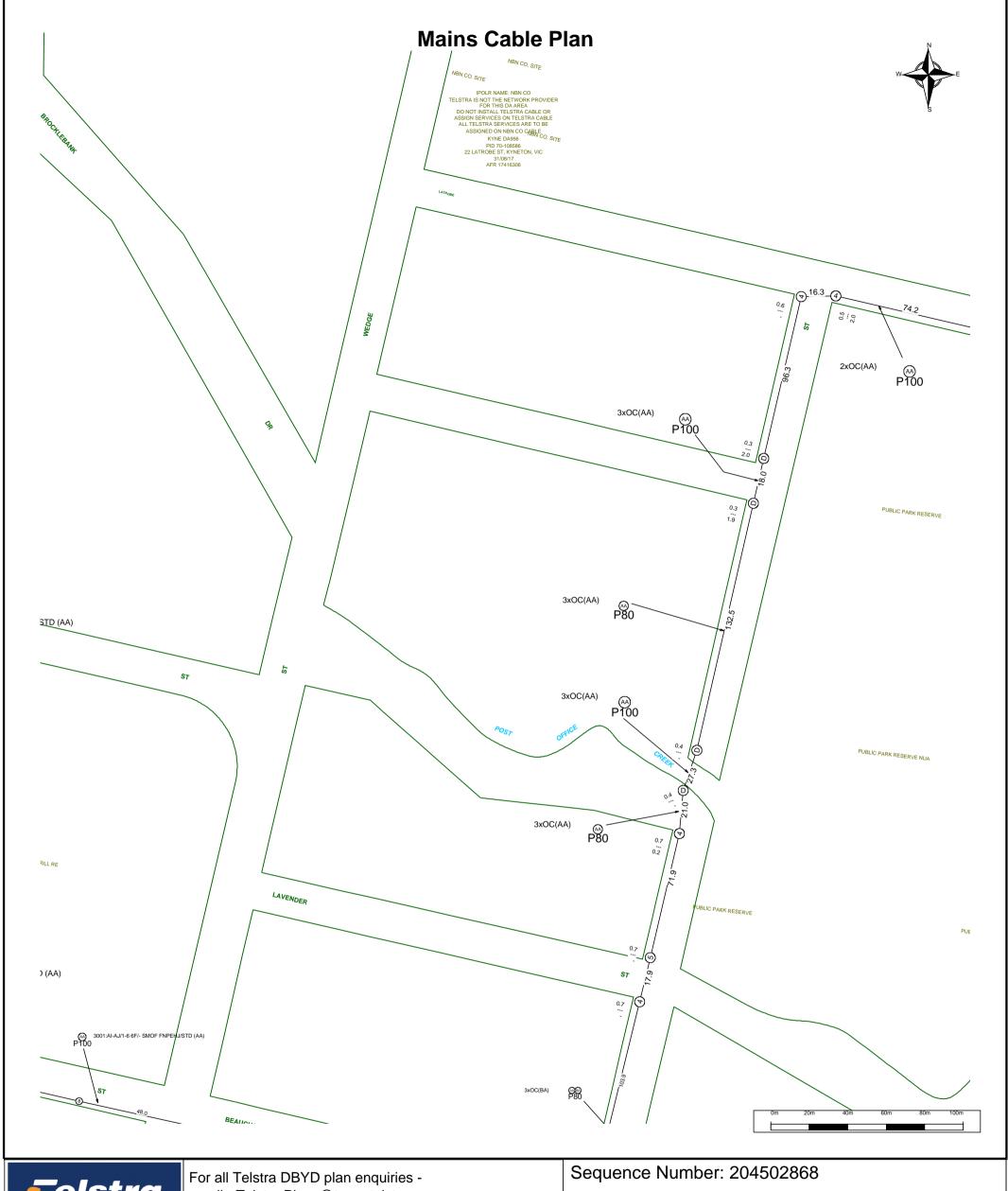
The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

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

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

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

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





email - Telstra.Plans@team.telstra.com

For urgent onsite contact only - ph 1800 653 935 (bus hrs)

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

Generated On 26/10/2021 10:44:36

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

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

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