

2 February 2022
File No. E24806.E09.001_Rev0

Ms Jodie O'Leary
Olter Investments Pty Ltd
Locked Bag 5001,
SILVANIA NSW 2224

Email Address: jodiepears@gmail.com and jevans@envirocene.com.au

Dear Ms O'Leary,

RE: Groundwater Investigation, 71-75 Victoria Road, Drummoyne NSW

EI Australia (EI) was engaged by Olter Investments Pty Ltd (the 'client') to prepare a Remediation Action Plan (RAP) for 71-75 Victoria Road, Drummoyne NSW (herein referred to as the 'the site') for proposed redevelopment of the site. At the time of this letter the site was occupied by two adjacent buildings which were used by Anytime Fitness (71 Victoria Road) and The Party People (73 Victoria Road). There was an open ground level carpark at the rear (south west portion) of Anytime Fitness (71 Victoria Road); and a single level basement carpark beneath The Party People (73 Victoria Road) in the north-western portion of the site. The site footprint is presented in **Figure 1, Appendix A**.

Proposed site development comprises of demolition of former structures, followed by the construction of a multi-storey mixed retail/commercial and residential building overlying a double level basement carpark on the eastern side of the site and a single level basement carpark on the western half of the site. Note that the typical final depth of a two level basement is 6 m below ground level (BGL).

Background

A Remediation Action Plan (RAP) describing remediation and validation of the site was issued in December 2021 by EI Australia (EI (2021) *Remediation Action Plan, Project No. E24806.E06_Rev0, 14 December 2021*).

As part of the Development Application conditions a NSW EPA Accredited Auditor was engaged by the client to review the RAP and provide a Part B Site Audit Statement.

The RAP was reviewed by the appointed NSW EPA Accredited Auditor Ms Julie Evans (Envirocene) and based on the review the following issues were raised:

- Site history indicates that there is a possibility for underground storage tanks to be located on the south eastern area of the site outside the boundary.
- Given the above, groundwater requires further characterisation as it is considered a significant issue and needs to be addressed before the audit can be completed and a Part B Site Audit Statement issued.

Further review of site history has verified that a service station was operated as part of the mechanics workshop at 71 Victoria Road. The service station infrastructure was located on the

footpath of then Victoria Road. The operation was decommissioned circa 1960 when Victoria Road was widened by the Main Roads Department (now RMS). The land occupied by the service station operation was resumed for road widening, and the north east site boundary was shifted to align with the footprint of the current buildings. Therefore remnant petroleum hydrocarbon source or infrastructure from the former service station operation may remain under Victoria Road, outside the northeast site boundary of 71 Victoria Road. Groundwater may be impacted remnant petroleum hydrocarbon and migrating on to the subject site.

To further characterise the groundwater, one additional monitoring well should be installed at an upgradient location adjacent to the north east site boundary, near the east corner to target a potential offsite source of contamination; and a second well would be installed adjacent to the north west boundary these would complement the existing monitoring well. The monitoring wells should extend to 8 mBGL which is beyond the typical depth of a two level basement and would need to be installed using a mechanical drilling rig. However, EI consider that the groundwater investigation can only be practically completed after building demolition, as the following issues that are present at the site are not currently resolvable:

1. The building located on the south eastern area of the site is currently being leased and used as a 24/7 gym. The building is operational and has limited entry door and overhead clearances. Installing a groundwater bore using mechanical drill rig, (including a tight access rig) inside the east corner of the building is not possible.
2. The eastern corner of the site, as indicated in magenta in **Figure 1**; could potentially be used to install the well however this is proximal to underground services located within the footpath along Victoria Road. As per the Dial Before You Dig reports attached under **Appendix B**, there are services considered of high risk located within 1m of the site boundary/possible location outside building footprint including:
 - a. A natural gas pipe which is plastic casing and not readily detected by a service locator;
 - b. Telstra cables;
 - c. Roads and Maritime Services related to the traffic lights (x2) found at the corner of Victoria Road and Day Street; and
 - d. Council and Sydney Water stormwater assets.

As per the Work Health Safety protocols, no excavation or drilling is to occur within 1m of services.

It is noted that based on EI's experience and taking into consideration site specific DBYD it is highly likely that the services are spread across most of the footpath area.

The above also applies to the services found underneath the footpath along Day Street (i.e. to the south of the site).

3. Carrying out any works within the footpaths (Victoria Road, or Day Street) would also increase the project costs, as road opening permits, night works, traffic management plans and non-destructive drilling would have to be implemented and considered. The required permits and plans typically have a turnaround time of approximately 4-6 weeks. This will also cause further delays to the project.

Taking the above into account, the additional groundwater monitoring bores would be best installed immediately following demolition of the existing building structures, and an additional groundwater investigation undertaken at that stage. The RAP can be amended to capture these changes and include holding points for the installation of the groundwater wells and completion of a groundwater monitoring event to ensure that no further works are commenced until the Site Auditor is satisfied with outcome of the groundwater investigation and the management. The amended RAP would include the hold points and required decisions and activities if remnant petroleum hydrocarbon is encountered that is significant and warrants specific management to

ameliorate risk to future occupiers of the site. EI considers that the groundwater assessment can be managed as part of the Remediation and as such forms part of the Development Consent.

Should you require any further information regarding the above please do not hesitate to contact the undersigned.

For and on behalf of
EI AUSTRALIA



Alejandra Beltran
Civil/Environmental Engineer



Greg Brickle
Principal Environmental Scientist

Encl: Appendix A – Figure
Appendix B – Dial Before You Dig Plans

Appendix A – Figure (EI, 2021)



LEGEND (All Locations are Approximate)

- Site boundary
- Basement 1 boundary
- Basement 2 boundary
- Area outside building footprint (7m²)



eiaustralia
Practical Solutions for Built Environments

Suite 6.01, 55 Miller Street, PYRMONT 2009
Ph (02) 9516 0722 Fax (02) 9518 5088

Drawn:	AM.H.
Approved:	A.B.
Date:	1-02-22

Olter Investments Pty Ltd
Groundwater Investigation Letter
71-75 Victoria Road, Drummoyne NSW
Site Location Plan

Figure:
1

Project: E24806.E09.001

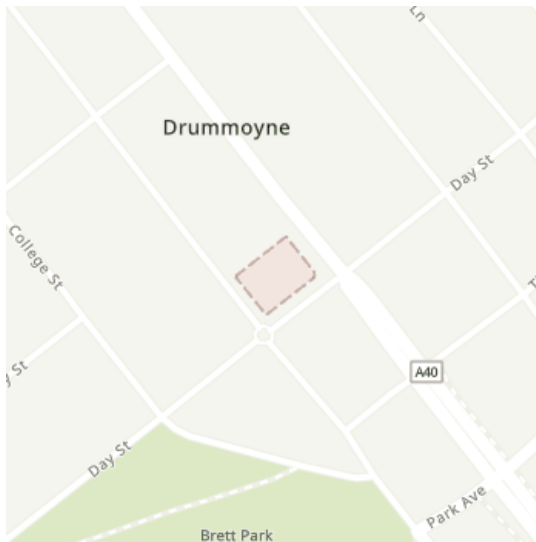
Appendix B – Laboratory Analytical Results

Caller Details

Contact:	Vagner Jorden	Caller Id:	3009511	Phone:	(02) 9516 0722
Company:	Not supplied				
Address:	Suite 601 55 Miller Street Pyrmont NSW 2009	Email:	dbyd@eiaustralia.com.au		

Dig Site and Enquiry Details

WARNING: The map below only displays the location of the proposed dig site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.



User Reference:	71 Victoria Road	
Working on Behalf of:	Private	
Enquiry Date:	Start Date:	End Date:
30/09/2021	30/09/2021	14/10/2021

Address:
71 Victoria Road
Drummoyne NSW 2047

Job Purpose:
Excavation

Onsite Activities:
Vertical Boring

Location of Workplace:
Private

Location in Road:

- Check that the location of the dig site is correct. If not you must submit a new enquiry.
- Should the scope of works change, or plan validity dates expire, you must submit a new enquiry.
- Do NOT dig without plans. Safe excavation is your responsibility. If you do not understand the plans or how to proceed safely, please contact the relevant asset owners.

Notes/Description of Works:
Not supplied

Your Responsibilities and Duty of Care

- The lodgement of an enquiry does not authorise the project to commence. You must obtain all necessary information from any and all likely impacted asset owners prior to excavation.
- If plans are not received within 2 working days, contact the asset owners directly & quote their Sequence No.
- ALWAYS perform an onsite inspection for the presence of assets. Should you require an onsite location, contact the asset owners directly. Please remember, plans do not detail the exact location of assets.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- Ensure you adhere to any State legislative requirements regarding Duty of Care and safe digging requirements.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using this service, you agree to Privacy Policy and the terms and disclaimers set out at www.1100.com.au
- For more information on safe excavation practices, visit www.1100.com.au

Asset Owner Details

The assets owners listed below have been requested to contact you with information about their asset locations within 2 working days. Additional time should be allowed for information issued by post. It is **your responsibility** to identify the presence of any underground assets in and around your proposed dig site. Please be aware, that not all asset owners are registered with the Dial Before You Dig service, so it is **your responsibility** to identify and contact any asset owners not listed here directly.

** Asset owners highlighted by asterisks ** require that you visit their offices to collect plans.

Asset owners highlighted with a hash # require that you call them to discuss your enquiry or to obtain plans.

Seq. No.	Authority Name	Phone	Status
203542933	Ausgrid	(02) 4951 0899	NOTIFIED
203542936	City of Canada Bay	(02) 9911 6555	NOTIFIED
203542935	Jemena Gas South	1300 880 906	NOTIFIED
203542931	NBN Co NswAct	1800 687 626	NOTIFIED
203542934	Optus and or Uecomm Nsw	1800 505 777	NOTIFIED
203542937	Sydney Water	13 20 92	NOTIFIED
203542932	Telstra NSW Central	1800 653 935	NOTIFIED
203542930	Transport for NSW	(02) 8837 0285	NOTIFIED

END OF UTILITIES LIST

To: Vagner Jorden
Phone: Not Supplied
Fax: Not Supplied
Email: dbyd@eiaustralia.com.au

Dial before you dig Job #:	30606188	 DIAL BEFORE YOU DIG www.1100.com.au
Sequence #	203542931	
Issue Date:	30/09/2021	
Location:	71 Victoria Road , Drummoyne , NSW , 2047	

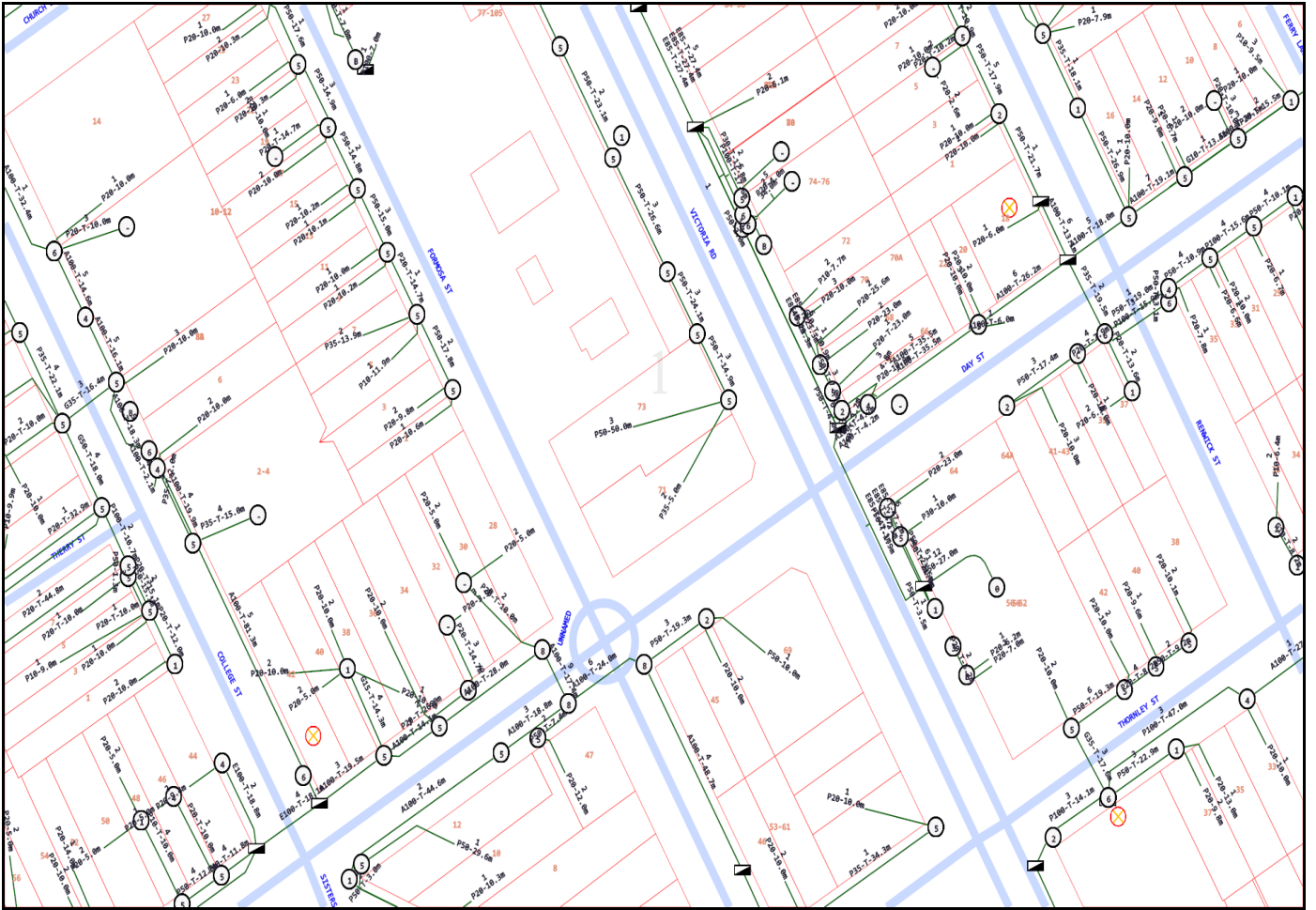
Indicative Plans



LEGEND



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



Emergency Contacts

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



	For all Telstra DBYD plan enquiries - email - Telstra.Plans@team.telstra.com For urgent onsite contact only - ph 1800 653 935 (bus hrs)	Sequence Number: 203542932
TELSTRA CORPORATION LIMITED A.C.N. 051 775 556		CAUTION: Critical Network Route in plot area. DO NOT PROCEED with any excavation prior to seeking advice from Telstra Plan Services on : 1800 653 935
Generated On 30/09/2021 10:32:25		

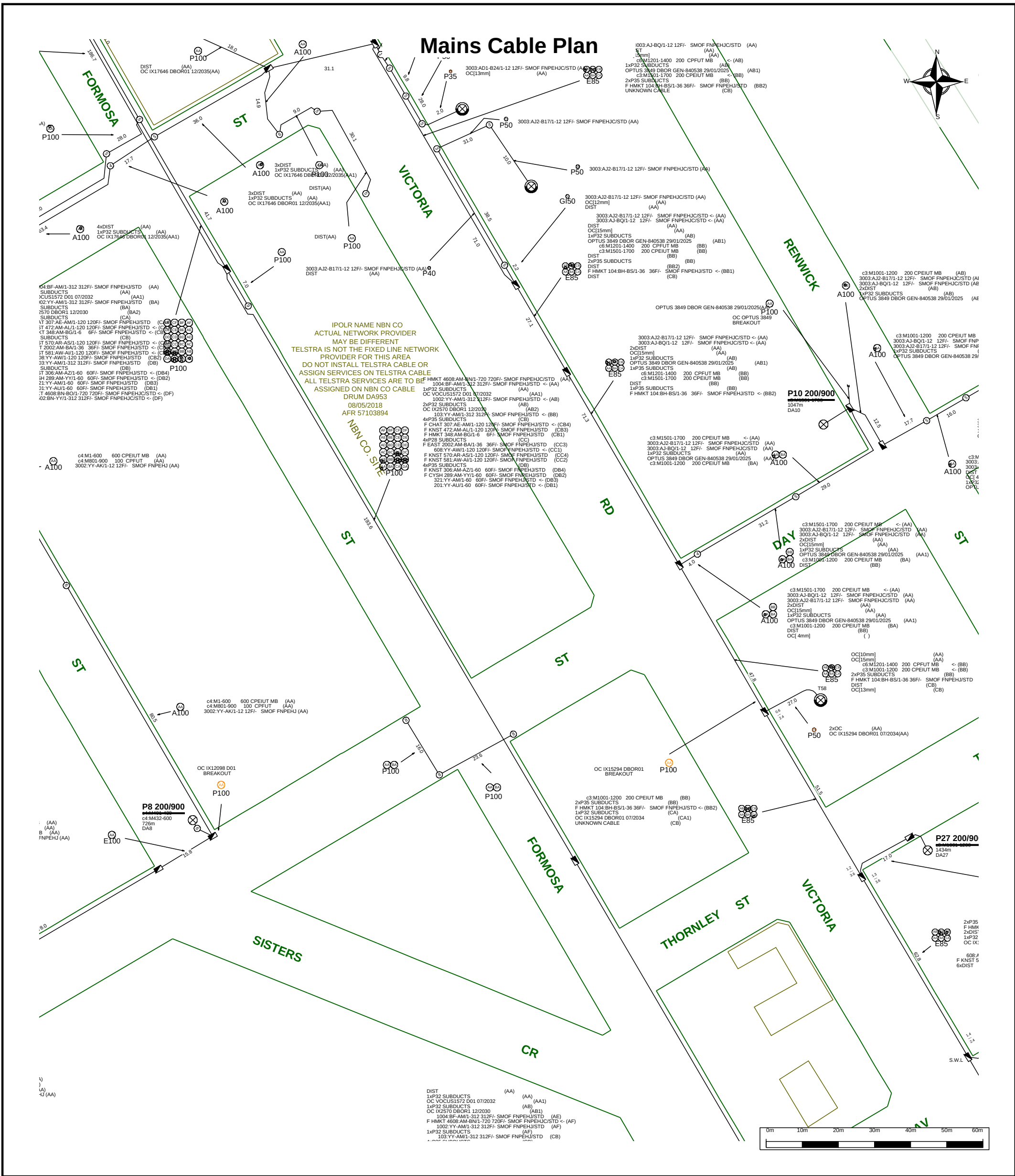
The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

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.



	For all Telstra DBYD plan enquiries - email - Telstra.Plans@team.telstra.com For urgent onsite contact only - ph 1800 653 935 (bus hrs)	Sequence Number: 203542932
	Generated On 30/09/2021 10:32:29	CAUTION: Critical Network Route in plot area. DO NOT PROCEED with any excavation prior to seeking advice from Telstra Plan Services on : 1800 653 935

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.

30/09/2021

Vagner Jorden
Suite 601,55 Miller Street
Pymont NSW 2009

Dear Vagner Jorden

Dial Before You Dig Response

Sequence Number: 203542936

Job Number: 30606188

I refer to the above request for information about Council's assets in the following area:

71 Victoria Road
Drummoyne NSW 2047

Please review all other documents included with this response for additional details about the area you have nominated.

Please note that a Road Opening Permit is required prior to commencement of any works in the road reservation.

Yours faithfully

Kelly Loveridge

Director City Services and Assets

DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither the City of Canada Bay nor PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

IMPORTANT!

Please read and understand all the information below.

About the attachments

- The information contained with this document is from the City of Canada Bay and is regarding its underground assets. It does not cover the assets of any other authority.
- Due to the nature and age of Council infrastructure, accuracy and - or completeness cannot be guaranteed and, accordingly, the Council plans do no more than indicate the likely presence of Council assets. They are indicative only. You must confirm the location of underground assets by field investigation. For the location of assets it is suggested you contact a specialist services location company or qualified plumber.
- Council owns a small number of lighting and electrical systems in roadways. Most are controlled by Energy Australia. Council owns a non-potable water reticulation system. Most water systems are owned by Sydney Water.

Duty of care

- A Road Opening Permit is required prior to commencement of work within a road reservation. For local roads, this can be obtained from the City of Canada Bay by Phoning (02) 9911 6555 to arrange a site meeting. See below for RTA roads.
- When excavating in the City of Canada Bay, it is the responsibility of the Principal and any consultant or contractor engaged by the Principal to obtain plans from the Council at least two days prior to the commencing of work.
- Dig safely. No mechanical plant can be used within 1 metre of indication of an underground asset, unless sited first by hand digging. A spotter must be used when using mechanical plant.
- Protect the environment. Observe the provisions of the Water Management Act 2000 and the POEO 1997.
- Any discrepancies between Council's plans and the actual location of assets should immediately be reported to the City of Canada Bay on (02) 9911 6555
- Any damage to a council asset must be reported to the City of Canada Bay on (02) 9911 6555 immediately.
- Council reserves the right to recover compensation for loss or damage and cost of repairs to any of its assets irrespective of provision of plans. Attention is drawn to Council's powers under the Roads Act 1993.

Heritage.

Pursuant to Canada Bay Local environmental Plan 2008, some items in Council's road reserves are heritage items and some roads intersect heritage conservation zones. For more details consult Council's LEP. Ensure that heritage issues are addressed in an environmental assessment prior to commencement of work.

RMS Roads.

Your attention is drawn to the requirement of NSW Roads and Marine Services (RMS) to be notified of any activity likely to impact on the operational efficiency of the road network. (lane closures etc) An RMS Road Occupancy License may be required and an approval from the relevant RMS Asset Management Branch is required for any works that will involve damage to an RMS asset. (excavations etc). Consult RMS Road Occupancy Unit at the Transport Management Centre for more details.

Phone: 13 77 88 or (02) 8894 1555

Fax: (02) 8396 1530

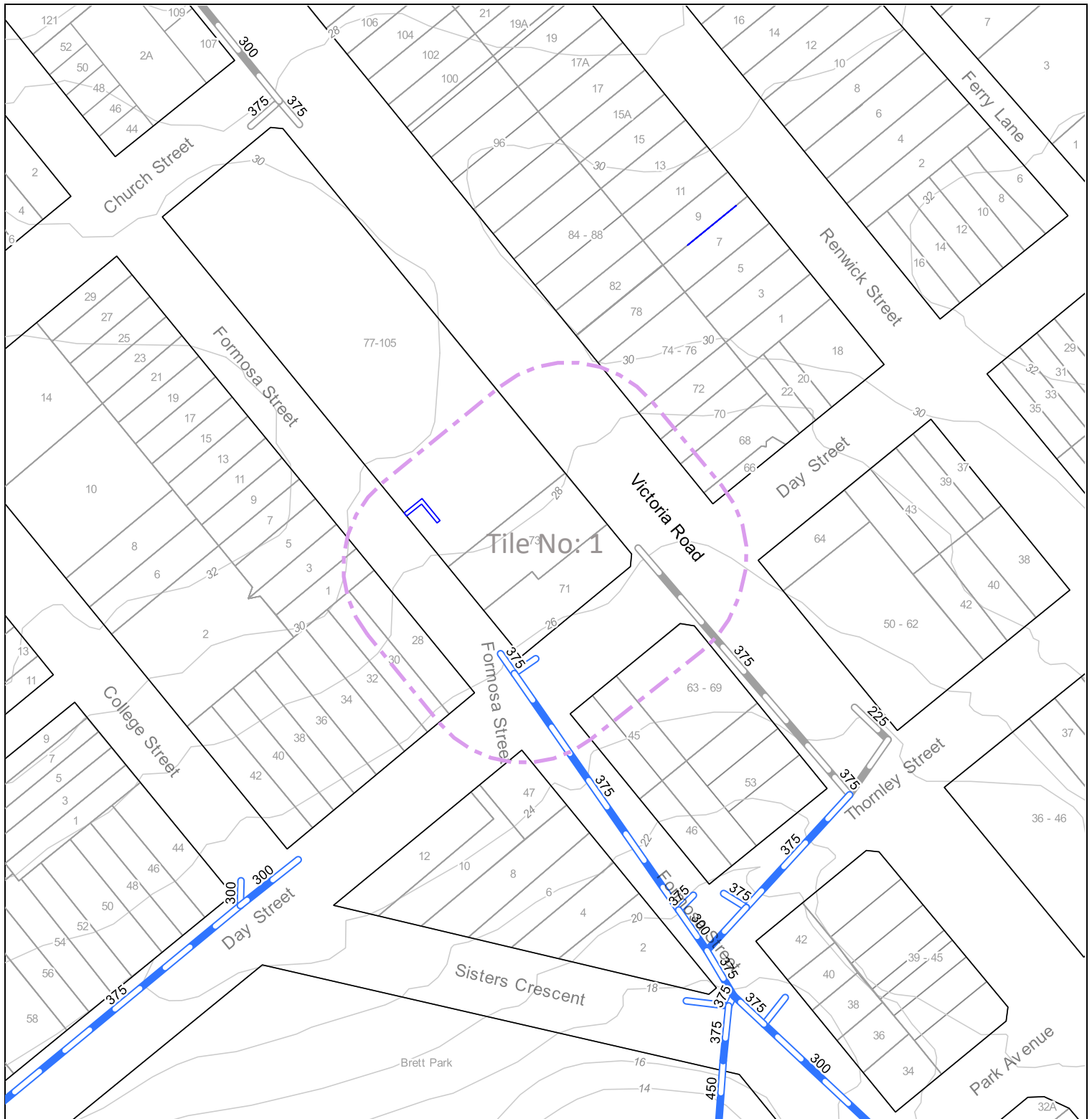
Email: tmc_piu@rta.nsw.gov.au

FURTHER ASSISTANCE

Further assistance regarding Council's underground assets can be obtained by calling (02) 9911 6555

To: Vagner Jorden
 Sequence No: 203542936
 Job No: 30606188
 Email: uiinrrycf0yi09.6o1ome3wjxj0zc@smarterwx-mail.1100.com.au
 Location: 71 Victoria Road, Drummoyne, NSW 2047

**DIAL BEFORE YOU
DIG 1100 RESPONSE**



DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither the City of Canada Bay nor PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

This plan does no more than indicate the likely presence or absence of Council assets.

***** A Road Opening Permit is required for excavations in roads or footpaths *****

Council owns only a small proportion of the lighting and electrical systems in roadways. Most are controlled by AusGrid.

Care should be exercised when excavating. Attention is drawn to Council's powers under the Roads Act.

For further information contact Brian Woolley on 02 9911 6339

Plans generated [30/09/2021] by PelicanCorp TicketAccess Software | www.pelicancorp.com

KEY

-  Stormwater Pipe
-  Stormwater Pipe (Not Council Controlled)
-  Easement
-  Pit
-  GPT
-  Non Portable Water
-  Council Light
-  Council Electricity
-  Council Boundary
-  DBYD Object



IMPORTANT INFORMATION

YOU MUST BE AWARE THAT:

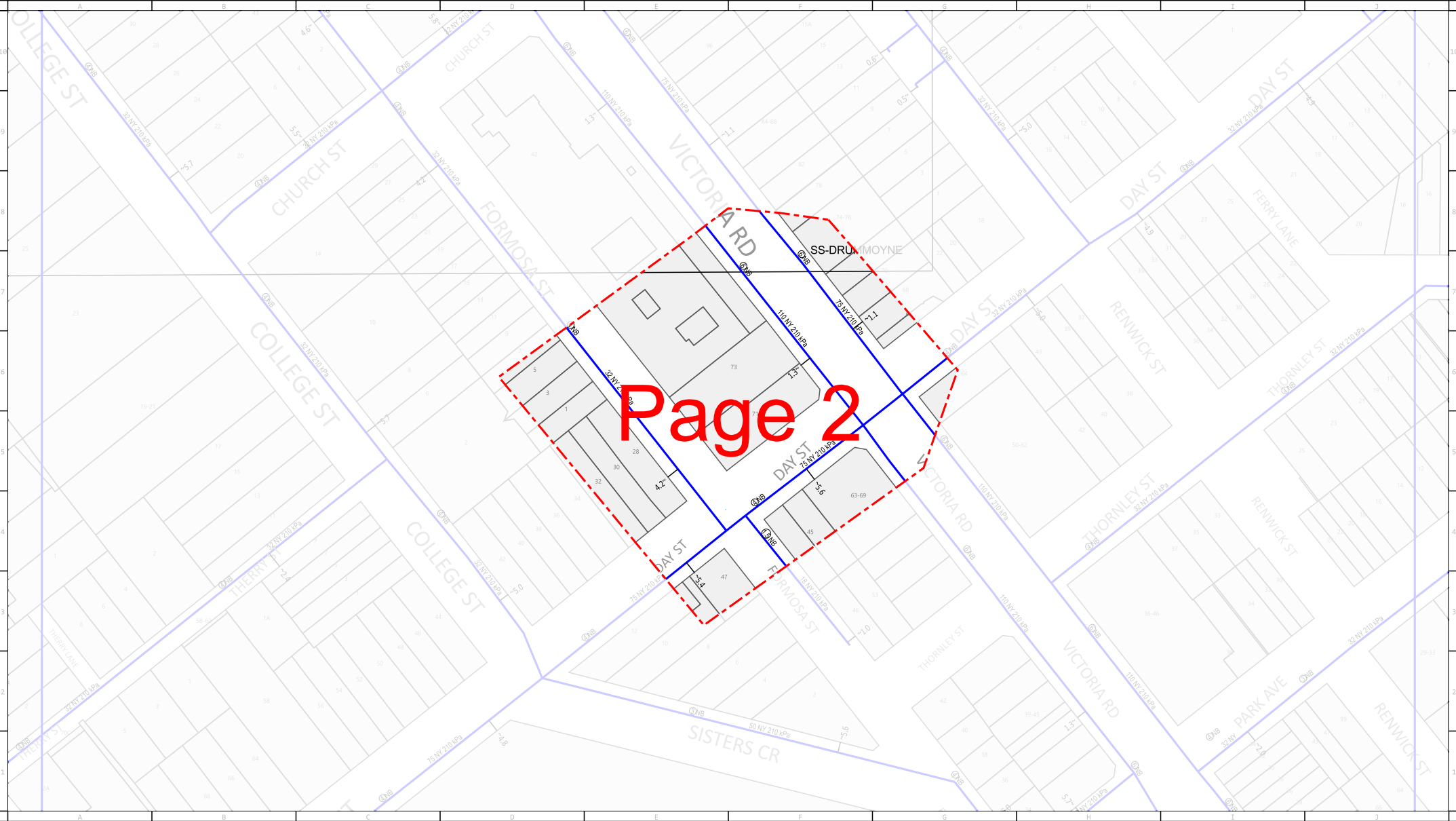
1. There may be underground cables owned by other utilities, in the vicinity of your work, about which Ausgrid has no information.
2. Ausgrid does not usually keep plans of privately owned underground cables or its underground service cables on private property. (Refer NS 156 for further information.)

YOU MUST MAKE YOUR OWN ENQUIRIES IN RESPECT OF THESE CABLES.

YOU MUST UNDERSTAND THAT:

1. Ausgrid takes all reasonable care in providing details of its underground cables. However, owing to changes in road and footway alignments and levels, and the age and incompleteness of some records, it is not possible to conclusively specify the location of all of Ausgrid's underground cables. The accuracy and completeness of the information provided to you cannot be guaranteed. It is intended to be indicative only. It must not be **solely** relied upon when undertaking underground works.
2. Except to the extent that liability may not be capable of lawful exclusion, Ausgrid, its servants and agents will be under no liability whatsoever to any person for loss or damage (including indirect or consequential loss or damage) however caused (including without limitation, for breach of contract, negligence and breach of statute) which may be suffered or incurred from or in connection with the advice provided.
3. Due to the inherent dangers associated with **excavation, under boring and directional drilling** in the vicinity of underground cables, precautions must always be taken when undertaking any underground works. Ausgrid's Network Standard NS 156 specifies standards for working in the vicinity of underground cables. It is deemed to be part of this Advice, and it must be read by you.
4. Due to the inherent risk of compromising the stability of Ausgrid's power poles during excavation which could lead to pole movement or collapse, precautions must always be taken. If excavation is to be carried out within 1m from a power pole, Ausgrid must be contacted at construction.works@ausgrid.com.au for advice. Do not proceed until you have received such advice from Ausgrid.

YOU MUST READ [NETWORK STANDARD NS 156](#), *WORKING NEAR OR AROUND UNDERGROUND CABLES*. IT IS PART OF THIS ADVICE.

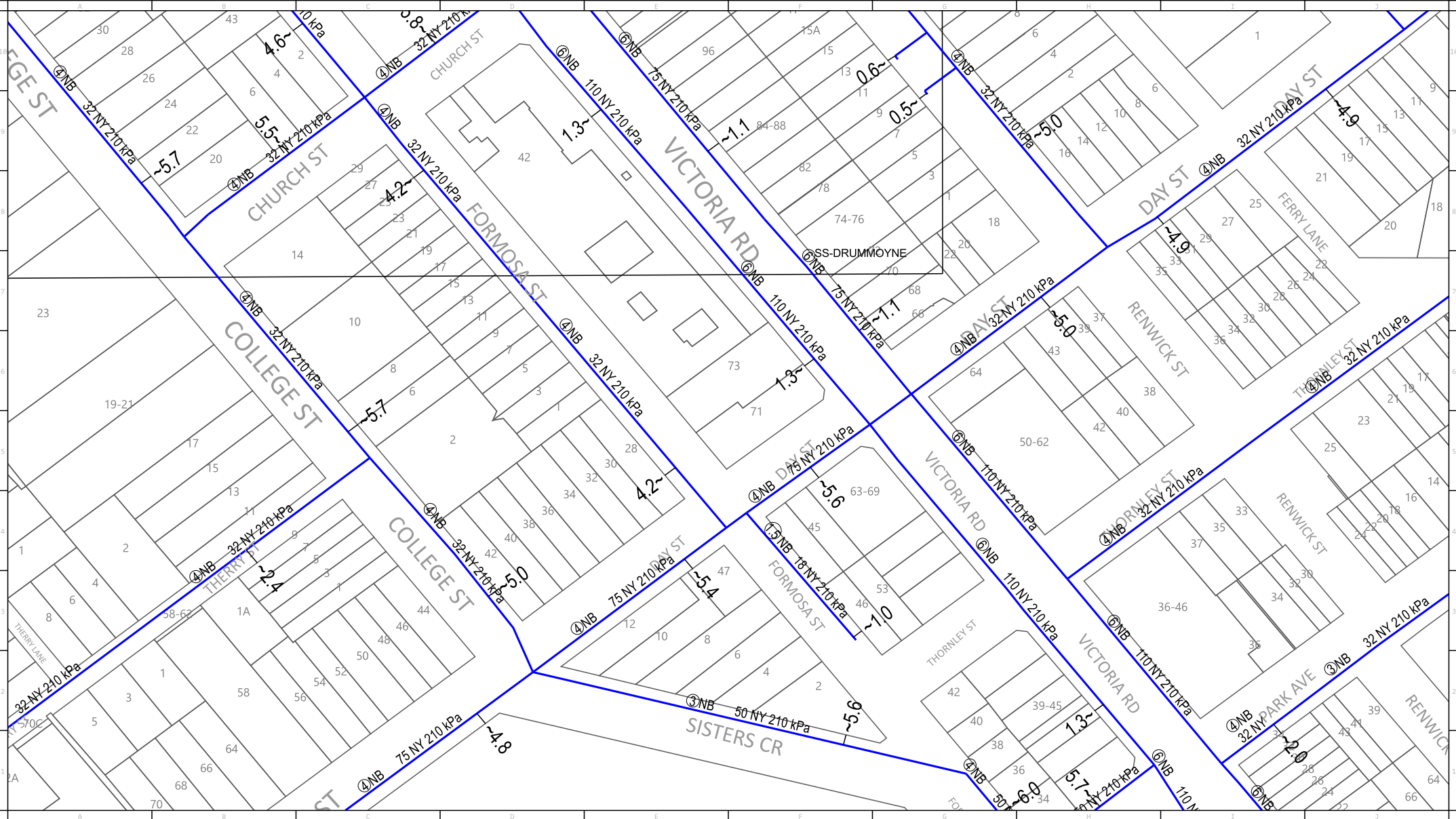


For legend details, please refer to the Coversheet attachment provided as part of this DBYD response.



Scale:1:2101

Issue Date: 30/09/2021
DBYD Seq No: 203542935
DBYD Job No: 30606188
Overview Page:



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



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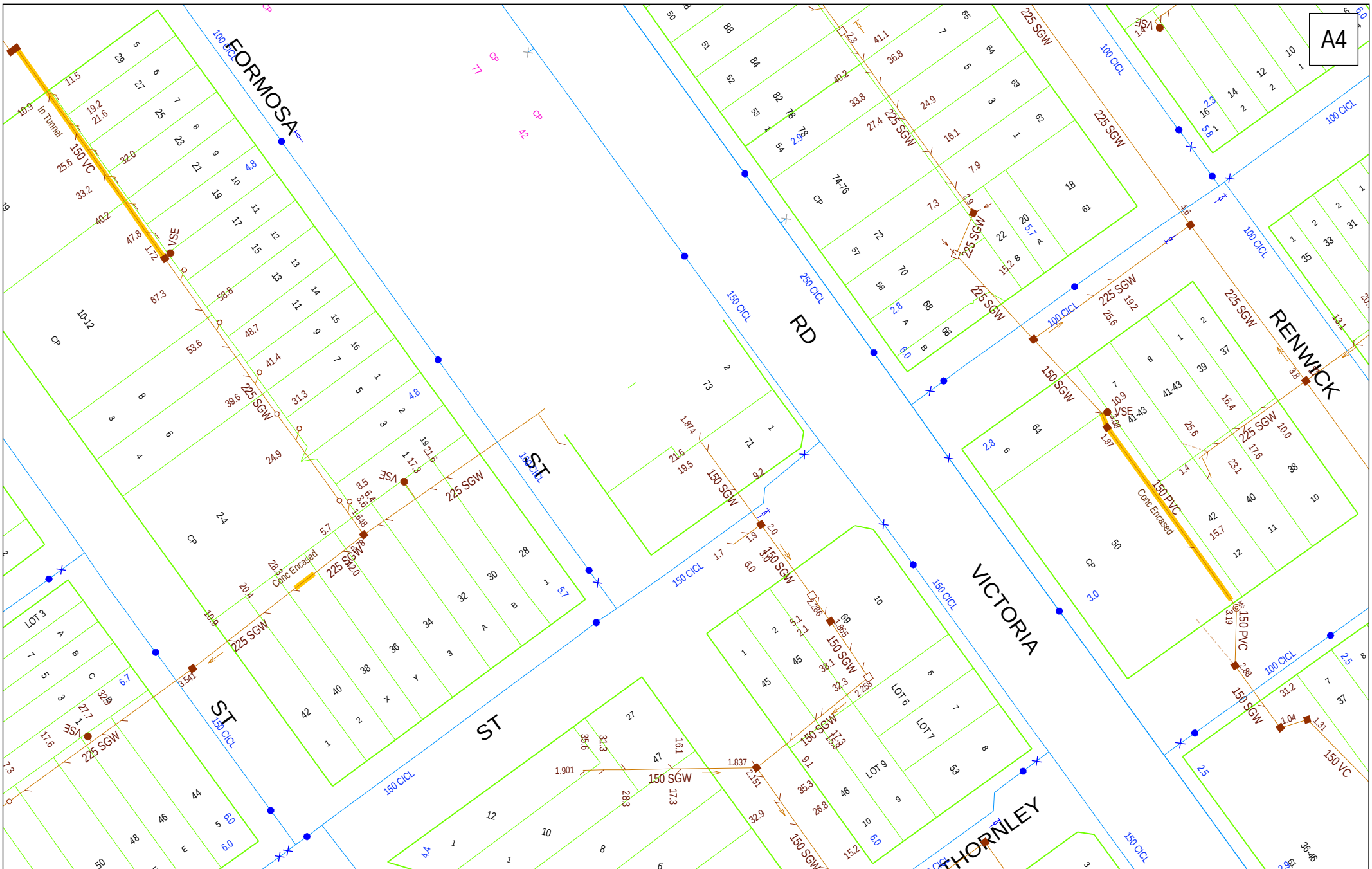
Issue Date: 30/09/2021

DBYD Seq No: 203542935

DBYD Job No: 30606188

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

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



Assets Affected

This information is only valid for 28 days from the date of issue

In reply to your enquiry, there are **Gas Mains** in the vicinity of your intended work, as generally illustrated on the attached map. There may also be other mains or services at the location, as discussed in the warning below.

For an explanation of the map, please see the information below and the legend attachment.

Please note that you have a duty of care to ensure that Jemena gas mains are not compromised or damaged during any future development or construction work.

Excavation Guidelines

It is essential the location of gas pipe/s are confirmed by carefully pot-holing by hand excavation prior to proceeding with mechanical excavation in the vicinity of gas pipes. If you cannot locate the gas main, contact the local depot.

In accordance with clause 34(5) of the Gas Supply (Safety and Network Management) Regulation 2013 (NSW), you should be informed that all excavation, (including pot-holing by hand to confirm the location of pipes) should be performed in accordance with “**Work Near Underground Assets Guideline**” published in 2007 by the Work Cover Authority.

A copy of this Guideline is available at: www.safework.nsw.gov.au

DBYD Administration 1300 880 906

Warning: The enclosed plans show the position of Jemena Gas Networks (NSW) Ltd's underground gas mains and installations in public gazetted roads only. **Individual customers' services and services belonging to other third parties are not included** on these plans. These plans have been prepared solely for the use of Jemena Gas Networks (NSW) Ltd and Jemena Asset Management Pty Ltd (together “**Jemena**”) and any reliance placed on these plans by you is entirely at your own risk. The plans may show the position of underground mains and installations relative to fences, buildings etc., as they existed at the time the mains etc were installed. The plans may not have been updated to take account of any subsequent change in the location or style of those features since the time at which the plans were initially prepared. Jemena makes no warranty as to the accuracy or completeness of the enclosed plans and does not assume any duty of care to you nor any responsibility for the accuracy, adequacy, suitability or completeness of the plans or for any error, omission, lack of detail, transmission failure or corruption in the information provided. Jemena does not accept any responsibility for any loss that you or anyone else may suffer in connection with the provision of these plans, however that loss may arise (including whether or not arising from the negligence of Jemena, its employees, agents, officers or contractors).

The recipient of these plans must use their own care and diligence in carrying out their works and must carry out further surveys to locate services at their work site. Persons excavating or carrying out other earthworks will be held responsible for any damage caused to Jemena's underground mains and equipment. In accordance with the Work Near Underground Assets Guideline published in 2007 by Work Cover Authority, Jemena recommends that you carry out potholing by hand to accurately confirm the location of gas mains and installation prior to commencing excavations.

In case of Emergency Phone 131 909 (24 hours)

Admin 1300 880 906

Network Mains

	Proposed New Main (coloured as per kPa)
	Proposed Isolate (coloured as per kPa)
	Unknown kPa
	2kPa Low Pressure gas main
	7kPa Low Pressure gas main
	30kPa Medium pressure gas main
	100kPa Medium Pressure gas main
	210kPa Medium Pressure gas main
	300kPa Medium Pressure gas main
	400kPa Medium Pressure gas main
	1050kPa High Pressure gas main
	3500kPa High Pressure gas main
	7000kPa High Pressure gas main
	>7000kPa Transmission pipeline
	Isolated Service - Former Med/High Pressure
	Isolated Steel Main - Treat as High Pressure
	Conduit or Casing
100 PVC	Size & Material (see conduit material codes)
	Critical Main - Treat as High Pressure (Main coloured as per kPa)
	Exposed Main section EXPOSED
	Shallow Main section: see Protection Code below, no code assume no protection SHALLOW-SP
SP	Steel Plate
PP	PE Plate
CS	Concrete Slab
CE	Concrete Encased
UNK	Unknown Type

Network Assets

	Siphon
	Network Valve
	High Pressure Main Line Valve (>=1050kPa)
	High Pressure Automatic Line Break Valve (>1050kPa)
	Distribution Regulator Set (=<1050kPa)
	High Pressure Regulating Station (>1050kPa)

Annotations

Pipe and Conduit Material Codes

NY	Nylon	NB	Nominal Bore – Cast Iron
PE	Polyethylene	ST	Steel
P/PL	Plastic (undefined)	C/CO	Copper
PVC	Polyvinyl Chloride		

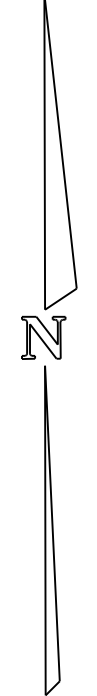
Pipe code combinations and dimension references

⑥NB 50MM NY	50mm Nylon main inserted into 6 inch (Nominal Bore) Cast Iron pipe
⑤0MM 32MM NY	32mm Nylon main inserted into 50mm Steel pipe
~1.5	Distance (in metres) of main from Boundary Line (MBL)
MBK	Distance in Metres Back of Kerb
MKL	Distance in Metres from Kerb Line
MEBL	Distance in Metres from Eastern Boundary Line (North/South/West)
MCL	Distance in Metres from Centre Line of Road
MFL	Distance in Metres from Fence Line

0165.093.W.0085

DRAWN BY CADD
DO NOT AMEND MANUALLY

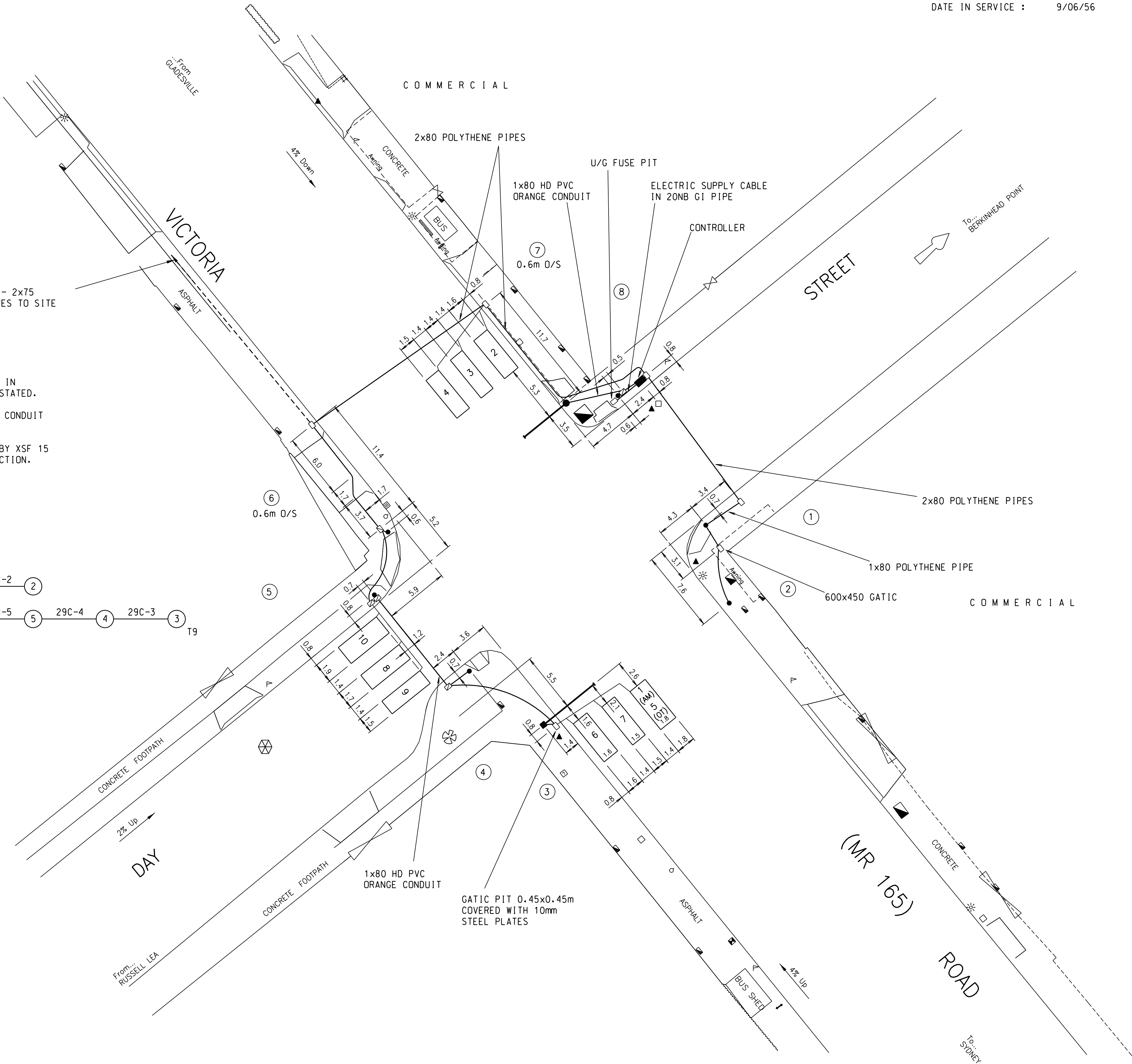
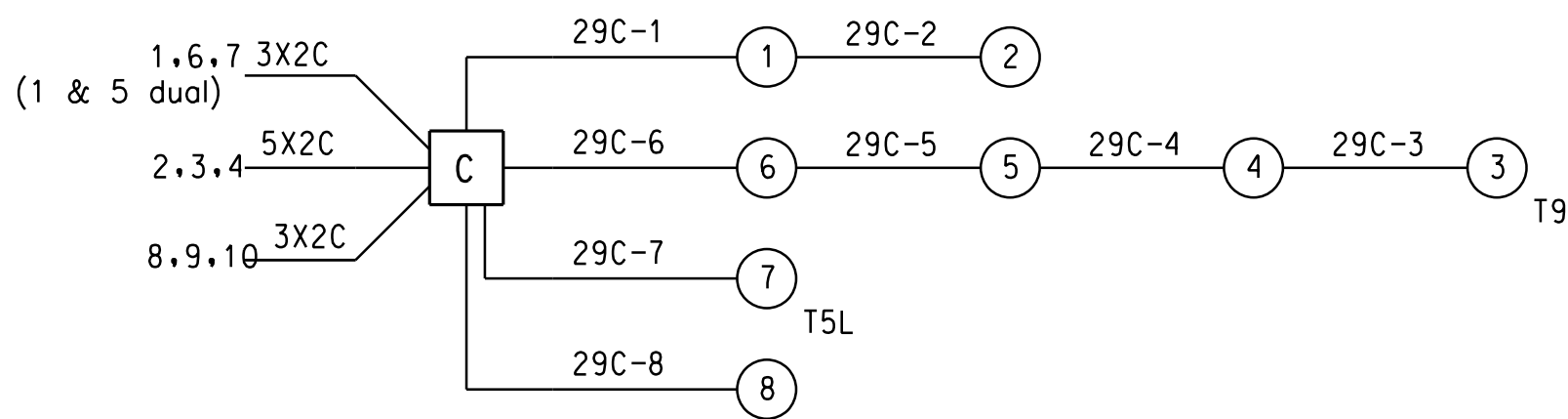
DATE IN SERVICE : 9/06/56

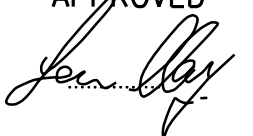


NOTES

1. CABLE COVER: IN ROADWAYS 0.75m ABOVE PIPE. IN FOOTWAYS 0.5m ABOVE PIPE UNLESS OTHERWISE STATED.
2. CABLE IN FOOTWAYS INSTALLED IN 1x80 HD PVC CONDUIT UNLESS OTHERWISE STATED.
3. DETECTOR 1 (AND 5) HAS DUAL FUNCTIONS SET BY XSF 15 ASSOCIATED WITH RESPECTIVE TIDAL FLOW DIRECTION.

CABLE LAYOUT



A ORIGINAL ISSUE	B ISSUE - ALTERED DET. NUMBERING. DET. 1 IS DUAL FUNCTION WITH DET. 5. B-LINE (BEHALF RTA) 4/11	PUBLIC UTILITY LEGEND		REFERENCE PLANS		U.B.D. Ref. Map 235 A4		DESIGN APPROVAL		RTA ACCEPTANCE		ROADS AND MARITIME SERVICES		EXISTING ☒ PROPOSED ☐					
		HYDRANT ☐ STOP VALVE ☐ GAS VALVE ☐ SEWER MANHOLE ☐ TELECOM PIT ☐ ELECT. LIGHT POLE ☐ POWER POLE ☐ STAY POLE ☐ TELEPHONE BOX ☐ TELECOM PILLAR ☐		☐ SYMBOLS/ABBS. ☐ STD. POSIT. ☐ DET. SCHED EXP. ☐ PRES. DETECT. ☐ SSG DIS. SEQ. ☐ DESIGN LAYOUT ☐ CABLE CHART ☐ SURVEYOR : HYDER ☐ DATE : 2008		VD003-6 VD001-5 VD018-10 VD005-17 VD018-8 VV0085-20 VV0085-22		I.S.G. E: 314 567 CO-ORDS N: 1 252 432 DESIGNED CNJ CHECKED C. BARTOLO SITE CHECKED M. MAHINTHAN RECOMMENDED		APPROVED  DESIGN MANAGER ELECTRICAL POSITION DATE 28/05/14		☒ RECOMMENDED ☐ ACCEPTED POSITION DATE		CANADA BAY COUNCIL AREA TRAFFIC SIGNALS AT VICTORIA ROAD (MR 165) AND DAY STREET DRUMMOYNE CABLE INSTALLATION TCS No 85		CADD FILE: WV0085_21B_INS.dgn SCALE 5 0 (1:200) 5 10 FILE 124 TS 151 REGN. 0165.093.WV.0085		ISSUE B SUPERSEDES SHEET/ISSUE 19A SHEET 21	