Sydney Metro

PITT STREET SOUTH OVER STATION DEVELOPMENT

Y.2 Infrastructure Services and Utilities Report: Electrical and Comms

State Significant Development, Development Application (SSD DA)

Prepared for Pitt Street Developer South Pty LTD

19 May 2020

Revision C Issue for SSD DA

SMCSWSPS-LCI-OSS-PL-REP-000002





Revision Information

Project Pitt Street South Over Station Development

Title Infrastructure Services and Utilities Report

Electrical and Communications

SMCSWSPS-LCI-OSS-PL-REP-000002

Client Pitt Street Developer South Pty LTD

Revision C

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С	19/05/2020	Issue for SSD DA	MM/LK	DC



Contents

1	Executiv	/e Summary	4
2	Glossary	y and Abbreviations	5
3	Introduc	etion and Site Description	5
3.1	Introd	luction	5
3.2	The Si	ite	6
3.3	Sydne	ey Metro	7
3.4	Pitt St	treet South Over Station Development (OSD)	8
4	Existing	Services	11
4.1	Dial B	efore You Dig	11
4.2	Surve	y and Services Location	12
4.3	Electri	ical Services	14
4.4	Comm	nunications Services	16
5	Infrastru	ucture Requirements	21
5.1	Electr	ical Services	21
5.2	Comm	nunications Services	21
6	Consulta	ation History	22
App	endix A	Survey and Services Location	23
App	endix B	Telstra Tunnel	24
Ann	endix C	Dial Before You Dig (DBYD)	25



1 Executive Summary

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARS) Dated 28 October 2019. Specifically, this report has been prepared to respond to the SEARS requirements summarised in Table 1.

Table 1 – SEARs Requirements		
Item	Description of Requirement	Section Reference (this report)
12(a) - Utilities	Identify and address the existing capacity to service the development proposed and any augmentation requirements for utilities in consultation with relevant agencies.	Section 5
12(b) - Utilities	Identify any potential impacts of the proposed construction and operation on the existing utility infrastructure and service provider assets, and demonstrate how these will be protected, or impacts mitigated.	Section 4

This report has also been prepared in response to the following Condition of Consent for the State Significant Development Concept (SSD 8876) for the OSD summarised in Table 2.

Table 2 - Concept Approval Conditions of Consent			
Item	Description of Requirement	Section Reference (this report)	
B19 – Utilities	Address the existing capacity and any augmentation requirements of the development for the provision of utilities, including staging of infrastructure through the preparation of an infrastructure / utility management plan in consultation with relevant agencies and services providers.	Section 5	

The key findings of this report are summarised below:

- there is capacity in the Ausgrid electrical network to support the development
- > the Ausgrid electrical network will be extended to provide a new elevated substation, located within the development
- > there is capacity in the communications utilities networks to support the development
- adjacent existing utility assets have been identified using DBYD and services location
- > consultation history is included in Section 6



2 Glossary and Abbreviations

Abbreviation	Meaning
AFC	Ausgrid Application For Connection
ASP	Accredited Service Provider (<u>link</u>)
CBD	Central Business District
CMP	Construction Management Plan
CSSI	Critical State Significant Infrastructure
DA	Development Application
DBYD	Dial Before You Dig (<u>link</u>)
DIP	Ausgrid Design Information Package
EIS	Environmental Impact Statement
HV	High-Voltage
LCI	LCI Consultants
LV	Low-Voltage
NBN	NBN Co (<u>link</u>)
NSW DPIE	NSW Department of Planning, Industry and Environment
OSD	Over-Station Development
RL	Reduced Level
SEARs	Secretary's Environmental Assessment Requirements
SSD	State Significant Development

Units	Meaning	
SI units and prefixes are used throughout, in particular:		
A	amperes	
V	volts	
VA	volt-amperes	

3 Introduction and Site Description

3.1 Introduction

This report has been prepared to accompany a detailed State Significant Development (SSD) development application (DA) for a residential Over Station Development (OSD) above the new Sydney Metro Pitt Street South Station. The detailed SSD DA is consistent with the Concept Approval (SSD 17_8876) granted for the maximum building envelope on the site, as proposed to be modified.

The Minister for Planning, or their delegate, is the consent authority for the SSD DA and this application is lodged with the NSW Department of Planning, Industry and Environment (NSW DPIE) for assessment.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 28 October 2019.

The detailed SSD DA seeks development consent for the construction and operation of

 New residential tower with a maximum building height of RL 171.6, including residential accommodation and podium retail premises, excluding station floor space



- Use of spaces within the CSSI 'metro box' building envelope for the purposes of:
 - Retail tenancies;
 - Residential communal facilities, residential storage, bicycle parking, and operational back of house uses;
 - Shared vehicle loading and service facilities on the ground floor;
 - Landscaping;
 - Utilities and services provision; and
 - Stratum subdivision (Station/OSD).
- Integration with the approved CSSI proposal including though not limited to:
 - o Structures, mechanical and electronic systems, and services; and
 - Vertical transfers.

3.2 The Site

The site is located within the Sydney CBD, on the corner of Bathurst Street and Pitt Street. It has two separate street frontages, Pitt Street to the west and Bathurst Street to the north. The area surrounding the site consists of predominantly residential high-density buildings and some commercial buildings, with finer grain and heritage buildings dispersed throughout.

The site has an approximate area of 1,710sqm and is now known as Lot 10 in DP 1255507. The street address is 125 Bathurst Street, Sydney.

Figure 1 - Location Plan





3.3 Sydney Metro Description

Sydney Metro is Australia's biggest public transport program. A new standalone railway, this 21st century network will revolutionise the way Sydney travels.

There are four core components:

• Sydney Metro Northwest (formerly the 36km North West Rail Link)

This project is now complete and passenger services commenced in May 2019 between Rouse Hill and Chatswood, with a metro train every four minutes in the peak. The project was delivered on time and \$1 billion under budget.

Sydney Metro City & Southwest

Sydney Metro City & Southwest project includes a new 30km metro line extending metro rail from the end of Metro Northwest at Chatswood, under Sydney Harbour, through new CBD stations and southwest to Bankstown. It is due to open in 2024 with the ultimate capacity to run a metro train every two minutes each way through the centre of Sydney.

Sydney Metro City & Southwest will deliver new metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street, Waterloo and new underground metro platforms at Central Station. In addition it will upgrade and convert all 11 stations between Sydenham and Bankstown to metro standards.

In 2024, customers will benefit from a new fully-air conditioned Sydney Metro train every four minutes in the peak in each direction with lifts, level platforms and platform screen doors for safety, accessibility and increased security.

• Sydney Metro West

Sydney Metro West is a new underground railway connecting Greater Parramatta and the Sydney CBD. This once-in-a-century infrastructure investment will transform Sydney for generations to come, doubling rail capacity between these two areas, linking new communities to rail services and supporting employment growth and housing supply between the two CBDs.

The locations of seven proposed metro stations have been confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock and The Bays.

The NSW Government is assessing an optional station at Pyrmont and further planning is underway to determine the location of a new metro station in the Sydney CBD.

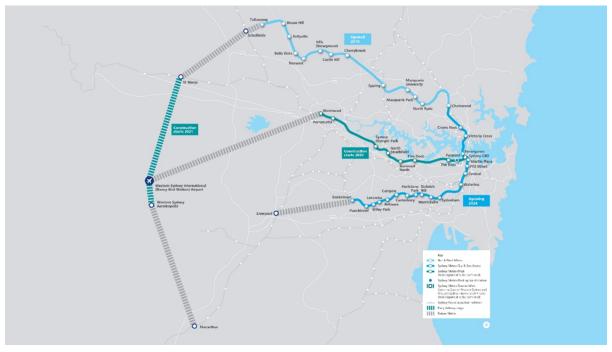
Sydney Metro Greater West

Metro rail will also service Greater Western Sydney and the new Western Sydney International (Nancy Bird Walton) Airport. The new railway line will become the transport spine for the Western Parkland City's growth for generations to come, connecting communities and travellers with the rest of Sydney's public transport system with a fast, safe and easy metro service. The Australian and NSW governments are equal partners in the delivery of this new railway

The Sydney Metro Project is illustrated in the figure below.



Figure 2 - Sydney Metro Alignment Map



Source: Sydney Metro

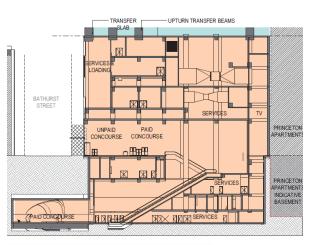
On 9 January 2017, the Minister for Planning approved the Sydney Metro City & Southwest - Chatswood to Sydenham project as a Critical State Significant Infrastructure project (reference SSI 15_7400) (CSSI Approval). The terms of the CSSI Approval includes all works required to construct the Sydney Metro Pitt Street Station, including the demolition of existing buildings and structures on both sites (north and south). The CSSI Approval also includes construction of below and above ground works within the metro station structure for appropriate integration with over station developments.

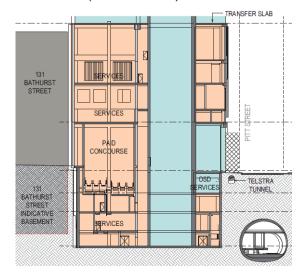
The CSSI Approval included Indicative Interface Drawings for the below and above ground works at Pitt Street South Metro Station site. The delineation between the approved Sydney Metro works, generally described as within the "metro box", and the Over Station Development (OSD) elements are illustrated below. The delineation line between the CSSI Approved works and the OSD envelope is generally described below or above the transfer slab level respectively.



Figure 3 – Pitt Street Station (North-South Section)

Figure 4- Pitt Street Station (East-West Section)





LEGEND

METRO PROPERTY BOUNDARY
OSD DEVELOPMENT SUBJECT TO SEPARATE
ASSESSMENT PROCESS
STATION

Source: CSSI Preferred Infrastructure Report (TfNSW)

The Preferred Infrastructure Report (PIR) noted that the integration of the OSD elements and the metro station elements would be subject to the design resolution process, noting that the detailed design of the "metro box" may vary from the concept design assessed within the planning approval.

As such in summary:

- The CSSI Approval provides consent for the construction of all structures within the approved "metro box" envelope for Pitt Street South.
- The CSSI Approval provides consent for the fit out and use of all areas within the approved "metro box" envelope that relate to the ongoing use and operation of the Sydney Metro.
- The CSSI Approval provides consent for the embellishment of the public domain, and the
 architectural design of the "metro box" envelope as it relates to the approved Sydney Metro and
 the approved Pitt Street South Station Design & Precinct Plan.
- Separate development consent however is required to be issued by the NSW DPIE for the use and fit-out of space within the "metro box" envelope for areas related to the OSD, and notably the construction and use of the OSD itself.

As per the requirements of clause 7.20 of the *Sydney Local Environmental Plan 2012*, as the OSD exceeds a height of 55 metres above ground level (among other triggers), development consent is first required to be issued in a Concept (formerly known as Stage 1) DA. This is described below.

3.4 Pitt Street South Over Station Development (OSD)

Development consent was granted on 25 June 2019 for the Concept Development Application (SSD 8876) for Pitt Street South OSD including:

- A maximum building envelope, including street wall and setbacks for the over station development.
- A maximum building height of RL171.6.



- Podium level car parking for a maximum of 34 parking spaces.
- Conceptual land use for either one of a residential or commercial scheme (not both). NO maximum Gross Floor Area was approved as part of SSD 8876.

The building envelope approved within the Concept SSD DA provides a numeric delineation between the CSSI Approval "metro box" envelope and the OSD building envelope. As illustrated in the figures below, the delineation line between the two projects is defined at RL 58.25 (Level 7).

For the purposes of the Detailed (Stage 2) SSD DA, it is noted that while there are two separate planning applications that apply to the site (CCSI and SSD DA), this report addresses the full development across the site to provide contextual assessment.

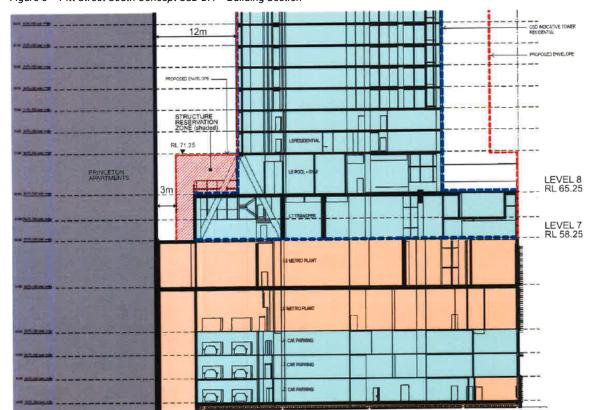
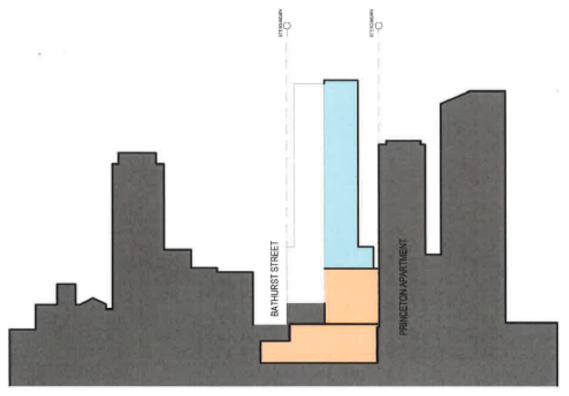


Figure 5 – Pitt Street South Concept SSD DA – Building Section

Source: SSD 8876 Concept Stamped Plans

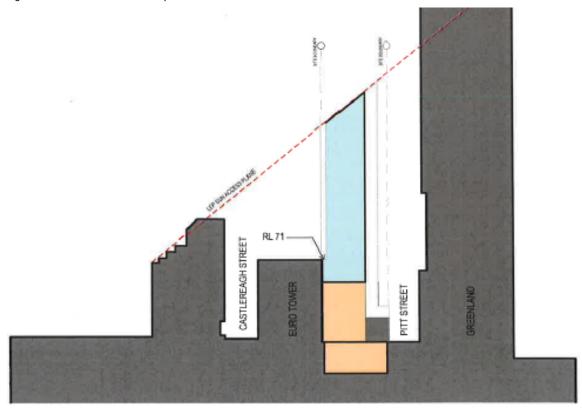


Figure 6 - Pitt Street South Concept SSD DA - North South Section



Source: SSD 8876 Concept Stamped Plans

Figure 7 – Pitt Street South Concept SSD DA – East West Section



Source: SSD 8876 Concept Stamped Plans



4 Existing Services

4.1 Dial Before You Dig

A Dial Before You Dig (DBYD) enquiry was lodged on the 27th November 2019 and identified the following services adjacent the development:

Service	Assessment/Impact
Electrical	132kV transmission cables below Pitt St and Bathurst St. LV Pits and conduit in Pitt St and Bathurst St footpaths adjacent development site. Underground high voltage and low voltage ducts and associated pits, reticulating along Pitt St and Bathurst St.
Council/Shire	Underground electrical cables, electrical pits and survey marks adjacent the development along Pitt St. Stormwater and survey marks along Bathurst St.
Gas & Petroleum	Primary gas lines adjacent to development along Pitt St and Bathurst St boundaries.
Communications	Manholes, pits and underground conduits identified adjacent to development along Pitt St and Bathurst St development boundary.
Communications	Cable and third party duct on the far side of Pitt St
Communications	Manholes, pits and underground conduits identified adjacent to development along Pitt St boundary.
Communications	Cable installed in third party duct (Telstra).
Communications	Pits and conduits identified in the development area.
Communications	Telecommunication pits adjacent to development along Pitt St boundary. Cable assets located in third-party duct.
Communications	Duct and pits along Pitt St.
Communications	Underground assets on far side of Pitt St.
	Council/Shire Gas & Petroleum Communications Communications Communications Communications Communications Communications Communications Communications



Infrastructure Services a	and Utilities Report – I	Electrical and Communications

Provider	Service	Assessment/Impact
Primus Telecom	Communications	Primus assets located in third party ducts (Telstra).
Roads and Maritime Services	Traffic signalling	Signal infrastructure at Pitt St and Bathurst St intersection.
Sydney Metro	Road & Rail	OSD Development will be coordinated with station and metro beneath.
Sydney Water	Water	Water and sewer services adjacent to development along Pitt St and Bathurst St boundaries.
Transurban	Various	Cross City Tunnel runs parallel to the property boundary, approximately following Bathurst St.

In summary and as expected for a CBD development, major electrical, communications and other services reticulate along Pitt St and Bathurst St adjacent to the development boundary. All works outside or crossing the boundary will be coordinated with the affected utilities.

4.2 Survey and Services Location

Topographic survey has been provided by TSA on Veris Australia drawing 201559 and by Transport for NSW on drawing PR124856-27-Pitt St STN-E.

Services location by means of slit trenching has been provided by Sydney Metro on drawing PR132497-18-Pitt ST SOUTH-001-A. As the services location does not extend past the development site on Pitt St, additional slit trenching may need to be conducted in this area prior to construction.



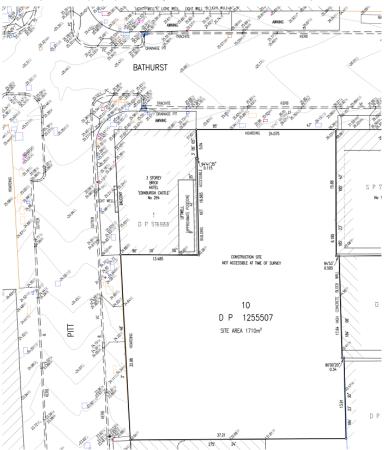
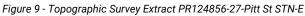


Figure 8 - Topographic Survey Extract Veris Australia Drawing 201559







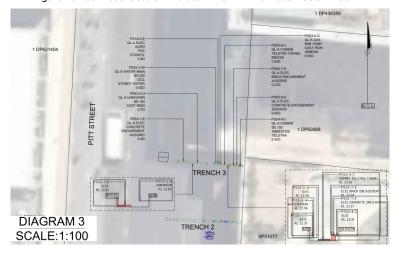


Figure 10 - Services location Extract PR132497-18-Pitt ST SOUTH-001-A

Slit trenching and survey identify the services on the footpath adjacent the Pitt St property boundary as:

- Telstra Communications conduit
- Ausgrid Electrical duct bank
- Telstra Cable tunnel
- Gas
- Water main and council electrical

4.3 Electrical Services

It is understood the existing electrical supply to the site has been decommissioned and removed to facilitate the construction of the Pitt St Metro Station as a separate development.

There are existing electrical services in the vicinity of the site, reticulated below Pitt St and Bathurst Street and adjacent kerbs. These services primarily consist of Ausgrid transmission, high-voltage (HV) and low-voltage (LV) ducts, pits and cabling infrastructure as shown in Figure 11. City of Sydney electrical services are shown in Figure 13.

Existing electrical services have been located by slit-trenching methods and will be coordinated with the design as it develops.

The main impact to existing services will involve the modifications to the Ausgrid network to bring a new electrical supply to serve the over-station development. The preferred connection points are identified in the Ausgrid DIP as HV Pit 53422 and LV Pit 35428, both located in Pitt St. The proposed incoming electrical reticulation is shown in Figure 12.

The OSD does not include public domain works along Pitt St or Bathurst St and will therefore not impact existing street lighting.

To ensure damage does not occur to existing services adjacent the construction site, pits, conduit and street lighting may require additional protection. This is addressed in the CPB Construction Management Plan.



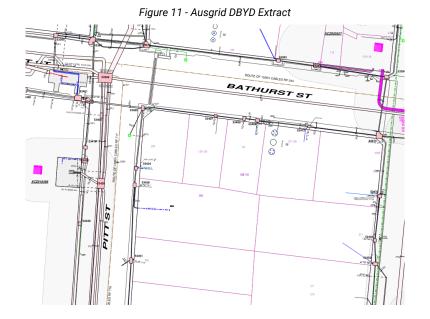
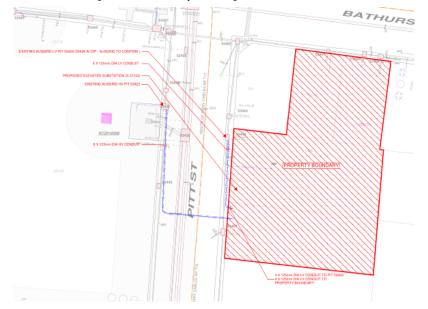


Figure 12 - Preliminary incoming electrical reticulation





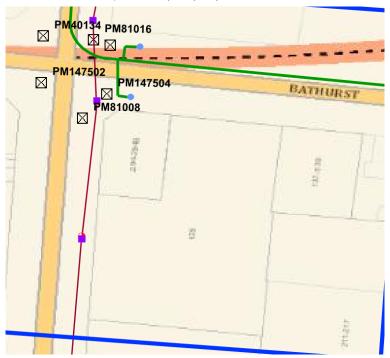


Figure 13 - City of Sydney DBYD Extract

4.4 Communications Services

It is understood the existing communications services into the site has been decommissioned and removed to facilitate the construction of the Pitt St Metro Station as a separate development.

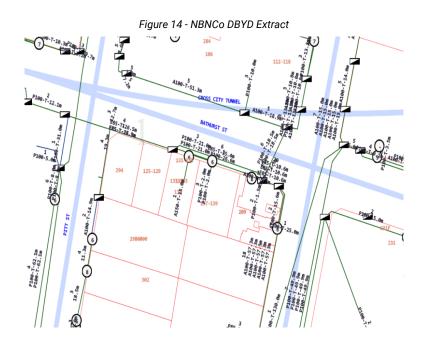
There are existing telecommunication services from multiple providers in the vicinity of the site, reticulated below Pitt St and Bathurst Street. These services primarily consist of telecommunication pits, underground conduit and fibre. Refer to Figure 14 to Figure 20 for further details.

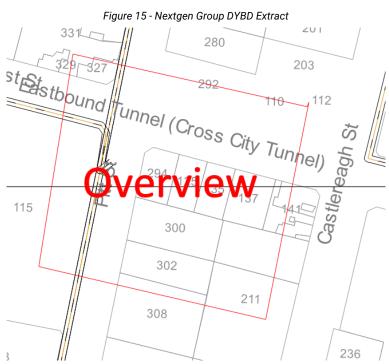
Existing communications services have been located by slit-trenching methods and will be coordinated with the design as it develops.

The main impact to existing services will involve modifications to the utility communications networks to bring a new communications service to serve the over-station development. The preferred connection points will be identified by the relevant utilities upon submission of connection applications.

To ensure damage does not occur to existing services adjacent the construction site, pits, conduit and street lighting may require additional protection. This is addressed in the CPB Construction Management Plan.









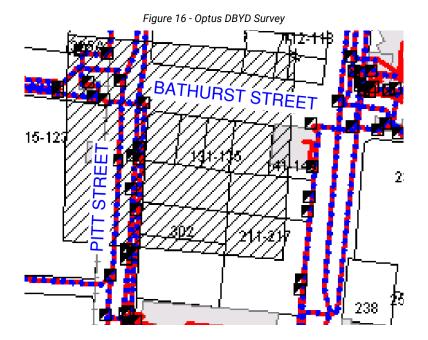
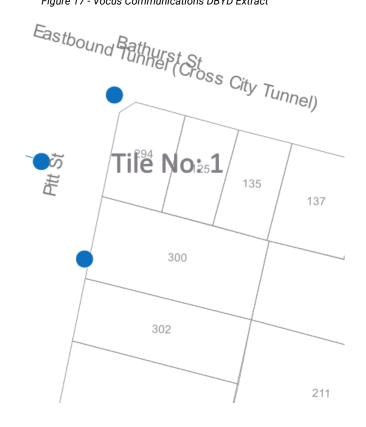


Figure 17 - Vocus Communications DBYD Extract





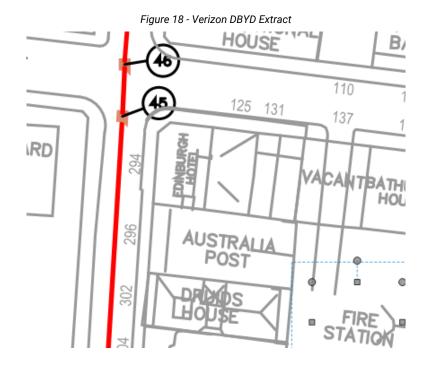
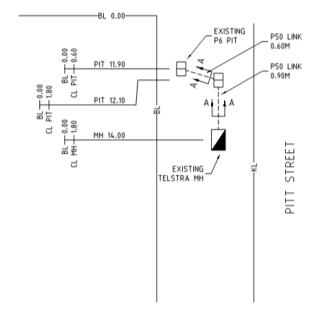
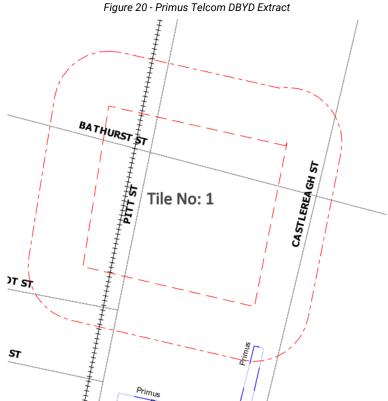


Figure 19 - Uecomm DBYD Extract

BATHURST STREET







In addition to the DBYD plans, services location and Sydney Metro documentation identifies a Telstra Tunnel running adjacent the site along Pitt St. This will be coordinated with the new incoming services into the OSD.

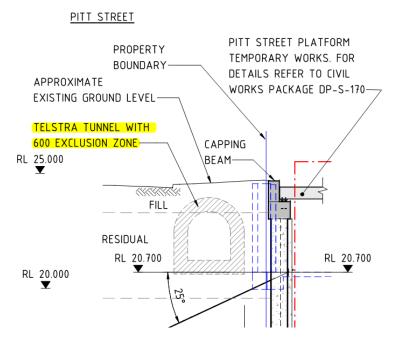


Table 1 - Extract from Transport for NSW drawing SMCSWTSE-JAB-SPS-EX-DRG-520130



5 Infrastructure Requirements

5.1 Electrical Services

The electrical demand for the Pitt St South OSD is estimated to be approximately 3200kVA (4620A). It is proposed that a new Ausgrid 3×1500kVA dry type elevated chamber substation be provided with Pitt St frontage to provide electrical supply to the development.

Works will be required in Pitt St to bring new high-voltage and SCADA cabling into the development and to provide a low-voltage interconnector.

Providing a new supply is classified as contestable works, managed according to the Accredited Service Provider (ASP) Scheme. A Level 3 design will be developed and submitted to Ausgrid for certification, while construction will be by a Level 1 ASP. The design for works in Pitt St and Bathurst St will be coordinated with existing services.

An Application for Connection (AFC) has been lodged with Ausgrid and supply offer accepted. A Design Information Package (DIP) has been received detailing Ausgrid connection requirements. The DIP is dated 31st December, 2019.

5.2 Communications Services

The Pitt St South OSD will be connected to the NBN to provide telephone and data services. Review of the NBN Rollout service maps indicates that NBN Fibre to the Curb (FTTC) will be available for this development by June 2020. However, given the nature of the development, we anticipate a Fibre to the Premises (FTTP) service will be provided. Details of the incoming communications services will be confirmed during design development and upon submission to NBN of an application for connection.

It is anticipated that four 100mm conduits will be provided from a cable pit in the street into the OSD for the connection of NBN and other carrier services.

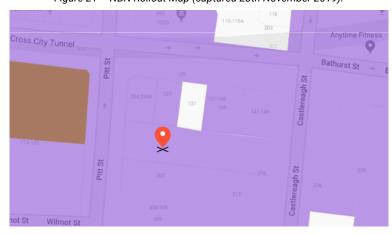


Figure 21 - NBN Rollout Map (captured 28th November 2019).



6 Consultation History

The following is a summary of the consultation with utilities to date:

Dial Before You Dig (DBYD)

- > A DYBD application was lodged on the 27th November 2019
- > DYBD application responses reviewed on the 28th November 2019
- > DYBD to be renewed prior to construction

Ausgrid

- The Ausgrid connection application was lodged on the lodged on the 25th October 2019
- Ausgrid issued an offer for application of connection on the 31st October 2019
- Application of connection accepted 8th November 2019
- > Design Information Package received, dated 31st December 2019

NBN

- NBN asset reviewed on the 28th November 2019 as part of the DYBD application responses
- Application for Connection to be lodged once building spatial are finalised and Building Distributor room location finalised

Telstra, Optus, Vodaphone, TPG

The major mobile carriers will be consulted during design development to determine the lead DAS provider and confirm requirements for the site

Sydney Metro and Transport for NSW

Ongoing consultation through the design process



Appendix A Survey and Services Location

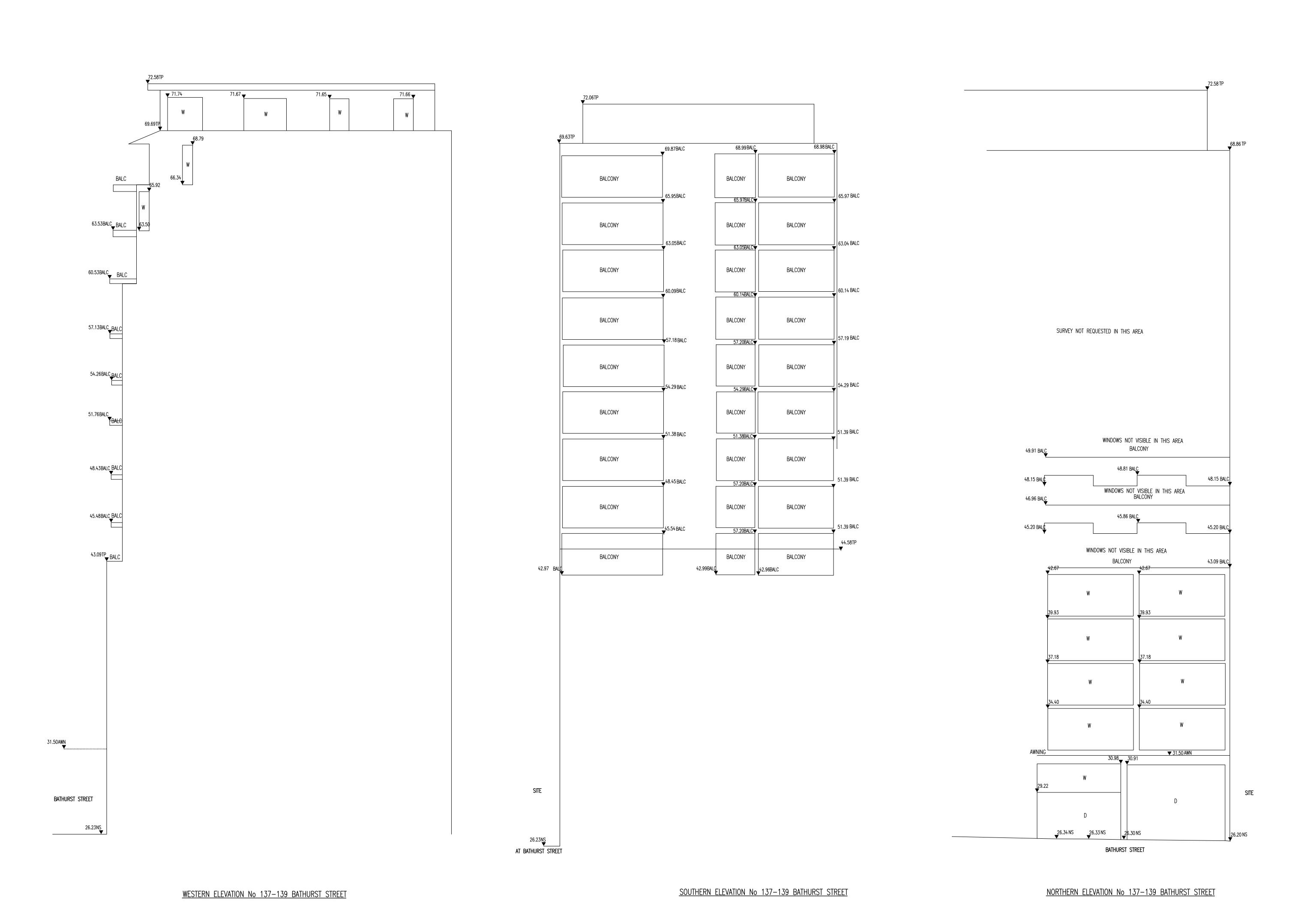
Veris Australia Drawing: 201559

Transport for NSW Drawing: PR124856-27-Pitt St STN-E

Transport for NSW Drawing: NWRLSRT-RPS-SPS-SR-DWG-000043_PITT STREET STATION-D

Sydney Metro Drawing: PR132497-18-Pitt ST SOUTH-001-A





TYPICAL NOTES: ORIGIN OF LEVELS PM 81016, R.L.25.337 (A.H.D.) BEARINGS ARE ON MGA NORTH NO BOUNDARY SURVEY HAS BEEN UNDERTAKEN. BEARINGS & DISTANCES HAVE BEEN COMPILED FROM TITLE AND/OR DEED INFORMATION SUPPLIED BY DEPARTMENT OF LANDS NSW. RELATIONSHIP OF IMPROVEMENTS AND DETAIL TO BOUNDARIES IS DIAGRAMMATIC ONLY AND SPECIFIC DETAILS, IF CRITICAL, WILL REQUIRE FURTHER SURVEY. SERVICES SHOWN ARE BASED ON VISIBLE SURFACE INDICATORS EVIDENT AT THE DATE OF SURVEY AND THE RELEVANT SERVICE DIAGRAMS OF THE VARIOUS AUTHORITIES. ALL SERVICE MUST BE VERIFIED ON SITE PRIOR TO ANY WORK BEING UNDERTAKEN. VERIS AUSTRALIA PTY LTD BEAR NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE SERVICES SHOWN RIDGE, EAVE & GUTTER HEIGHTS HAVE BEEN OBTAINED BY AN INDIRECT METHOD AND ARE ACCURATE FOR PLANNING PURPOSES ONLY. ADJOINING BUILDINGS AND DWELLINGS HAVE BEEN PLOTTED FOR DIAGRAMMATIC PURPOSES ONLY AND SPECIFIC DETAILS, IF CRITICAL, WILL REQUIRE FURTHER SURVEY. THE DIAMETER (0), SPREAD (S) & HEIGHT (H) OF EACH TREE IS INDICATIVE ONLY AND SPECIFIC DETAILS, IF CRITICAL, WILL REQUIRE FURTHER SURVEY. CONTOURS ARE AN INDICATION OF THE TOPOGRAPHY ONLY. SPOT LEVELS SHOULD BE USED IF detailed design is to be undertaken. CONTOUR INTERVAL 0.2 METRE. LEGEND OF TYPICAL CODES MLID — METAL LID NS — NATURAL SURFACE OCC — STRUCTURE AE - ARCHITECTURAL EMBELLISHMENT AP — ALIGNMENT PIN AWN – AWNING BALC – BALCONY BAWN – BOTTOM OF AWNING OPT - OPTUS PIT PC - PRAM CROSSING
PED - PEDESTRIAN CROSSING BCH - BOTTOM OF CHIMNEY BD - BOTTOM OF DOOR PERG - PERGOLA PM – PERMANENT MARK
PP – POWER POLE BOUNDARY - BOTTOM OF FENCE RLWY - RAILWAY BITUMEN RM - REFERENCE MARK BOTTOM OF KERB RR — ROOF RIDGE RSN — CONCRETE NAIL BLD — BUILDING BM — BENCH MARK BOL - BOLLARD BR - BOTTOM OF ROCK SEW - SEWER SHR - SHRUB SIP - SEWER INSPECTION PIT SLH - SEWER LAMP HOLE BRW - BOTTOM OF RETAINING WALL BS - BOTTOM OF STEPS SMH - SEWER MANHOLE BW - BOTTOM OF WALL BWIN - BOTTOM OF WINDOW SSM - STATE SURVEY MARK SV - STOP VALVE SW - STORM WATER TARCH- TOP OF ARCH CLID - CONCRETE LID COL - COLUMN TAWN — TOP OF AWNING TB - TOP OF BANK
TBX - TELSTRA BOX
TCH - TOP OF CHIMNEY
TD - TOP OF DOOR
TEL - TELSTRA PIT
TELP - TELSTRA PILLAR COM – COMMUNICATIONS PIT
CONC – CONCRETE
CPT – CARPORT
D – DOOR DD — DISH DRAIN DH — DRILL HOLE DHW - DRILL HOLE & WINGS DWY - DRIVEWAY EB - EDGE OF BITUMEN TF - TOP OF FENCE
TG - TOP OF GUTTER
THR - TOP OF HANDRAIL - TRAFFIC ISLAND
- TOP OF KERB
- TRAFFIC LIGHT
- TOP OF PARAPET EBOX - ELECTRICITY BOX ED - EDGE OF DOOR EG - EDGE OF GARDEN ELEC - ELECTRICITY PIT
EP - EDGE OF PATH
ER - EDGE OF ROAD
FCE - FENCE TR - TREE TRF - TOP OF ROOF TRK - TOP OF ROCK TRW - TOP OF RETAINING WALL
TS - TOP OF STEPS
TW - TOP OF WALL FL - FLOOR LEVEL FFL - FINISHED FLOOR LEVEL TWIN - TOP OF WINDOW GD - GLASS DOOR US - UNDERSIDE GL - GROUND LEVEL UAWN - UNDERSIDE OF AWNING UKS - UNKNOWN SERVICE HPG - HIGH POWERED GAS
HR - HANDRAIL
HYD - HYDRANT
IL - INVERT LEVEL
K - KERB USB - UNDERSIDE OF BEAM USC - UNDERSIDE OF CEILING USE - UNDERSIDE OF EAVE USG - UNDERSIDE OF GUTTER
V - VENT
VER - VERANDAH
VC - VEHICLE CROSSING LIN — LINTEL LW — LIGHT WELL MW - MONITORING WELL MH - MANHOLE W - WINDOW WM - WATER METER LEGEND OF TYPICAL SERVICES ---- C ---- COMMUNICATIONS CABLE — E — UNDERGROUND ELECTRICITY ---- S ---- SEWER —AE——AO— UNDERGROUND ELECTRICITY & —— SO —— SEWER OUTFALL ---- ST ---- SHARED TRENCH OPTUS CABLES ---- FS ----- FIRE SERVICE ----- SW ----- STORM WATER —SW——CK— STORMWATER CREEK ----- GE ----- GAS LINE & ELECTRICITY CABLES ----- T ----- TELSTRA CABLES ---- U ----- UNKNOWN SERVICE ----- OH ----- OVERHEAD CABLES ---- VO ---- VOCUS CABLES ----- VR ----- VERIZON CABLES ------ OPT ----- OPTUS CABLE ----- PE ------ PRIVATE ELECTRICITY ---- W ---- WATER SUPPLY ----- PS ------ PRIVATE SEWER ----- WM ----- WATER MAIN ----- PW ------ PRIVATE WATER . ALL UNDERGROUND SERVICE INFORMATION INCLUSIVE OF GENERAL POSITION AND SURFACE COVER DEPTHS NOTED ON THE PLAN ARE APPROXIMATELY ONLY. 2. ALL UNDERGROUND SERVICE INFORMATION HAS BEEN COMPILED FROM SERVICE AUTHORITY PLANS PROVIDED BY THE AUTHORITIES. 3. THE LOCATION OF SERVICES BETWEEN SURVEYED POINTS (AS INDICATED) HAVE BEEN SHOWN DIAGRAMMATICALLY ONLY USING THE SERVICE DIAGRAMS AS PROVIDED. THE EXACT LOCATION OF THESE SERVICES BETWEEN THE SURVEYED POINTS MUST BE VERIFIED PRIOR TO ANY EXCAVATION OR PILING. NO WARRANTY IS GIVEN AGAINST THE POSSIBILITY OF THE EXISTENCE OF FURTHER UNCHARTED SERVICES. ALL CONTRACTORS, TRADESMEN, BUILDING & PROJECT CONSULTANTS MUST CONTACT THE VARIOUS AUTHORITIES, IN ACCORDANCE WITH STANDARD "DIAL BEFORE YOU DIG" PROCEDURES PRIOR TO UNDERTAKING ANY WORKS WITHIN THE VICINITY OF THE SERVICE LINES TO VERIFY THE POSITION OF THE SERVICE LINES. Liability limited by a scheme approved under Professional Standards Legislation DIAL BEFORE
YOU DIG
www.1100.com.ou
The Essential First Step REDUCTION RATIO 1:100) 1 2 3 4 5 6 7 8 9 10 LENGTHS ARE IN METRES CLIENT: GROCON (PITT ST) DEVELOPMENTS REF:201559 TITLE No: 10/1255507 DATUM: A.H.D. ISSUE:1 DATE OF SURVEY: 25.11.19 ISSUE DATE:29.11.19 SURVEYOR: PH SHEET SIZE: B1 DRAFTER: SC SHEET 2 OF 4 SHEETS PLAN OF DETAIL & LEVELS AT 'METRO STATION SOUTH' PITT STREET

ISSUE DATE AMENDMENT

SYDNEY

Veris Australia Pty Ltd

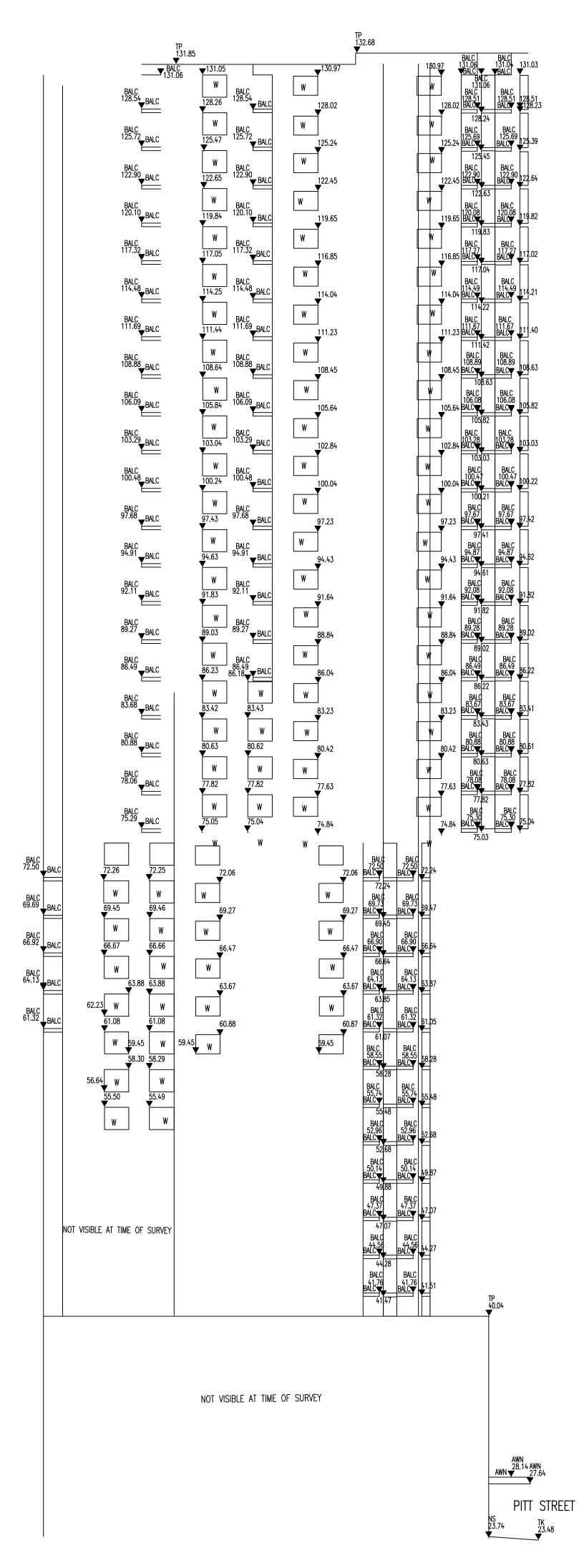
Surry Hills NSW 2012 PO Box 1807

t: (02) 92124655

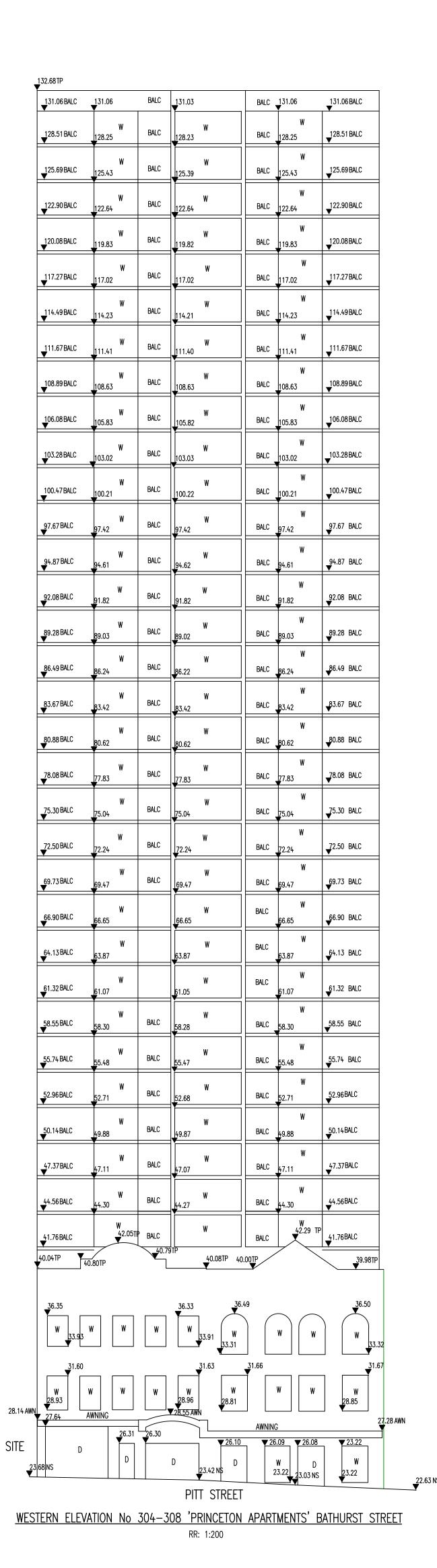
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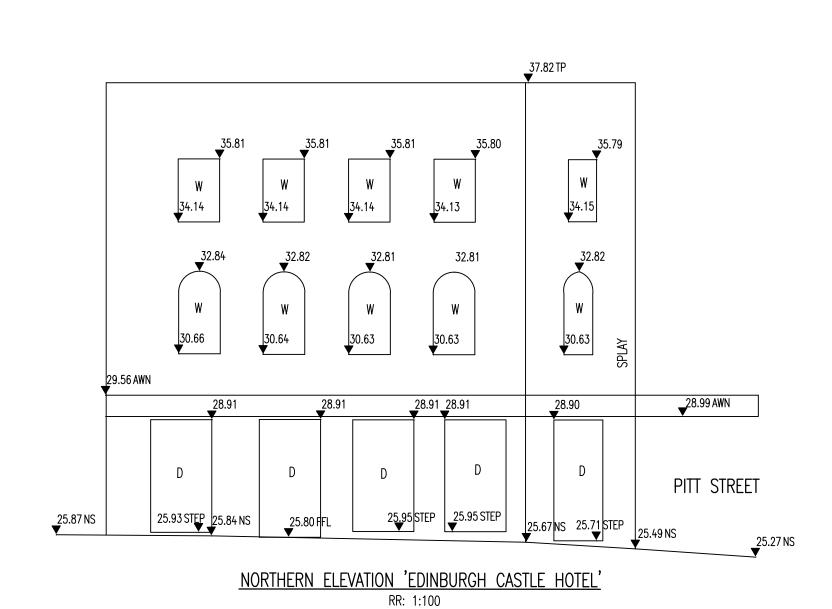
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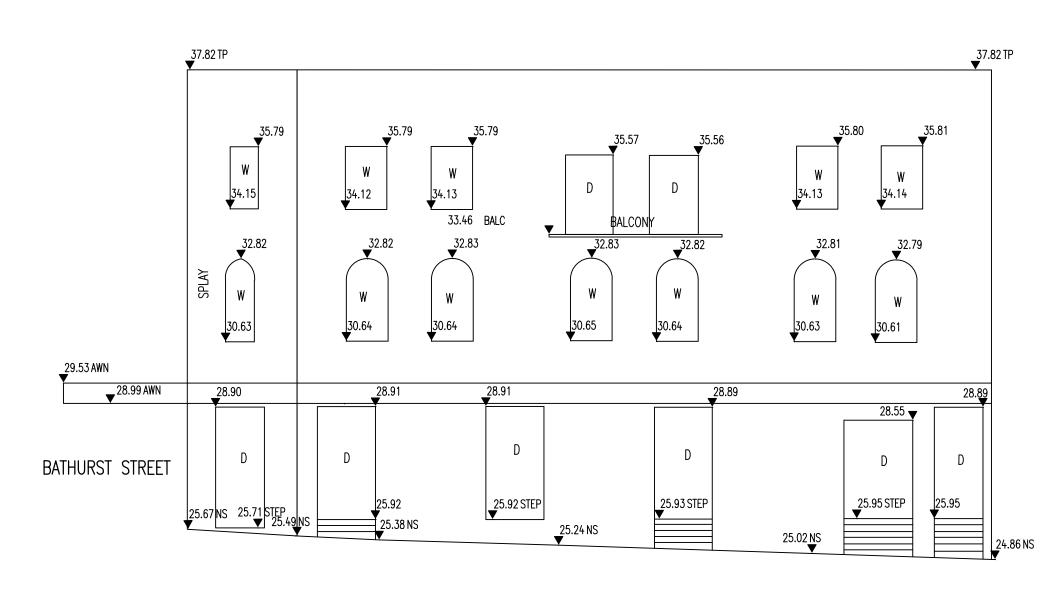
email: surryhills@veris.com.au web site: www.veris.com.au



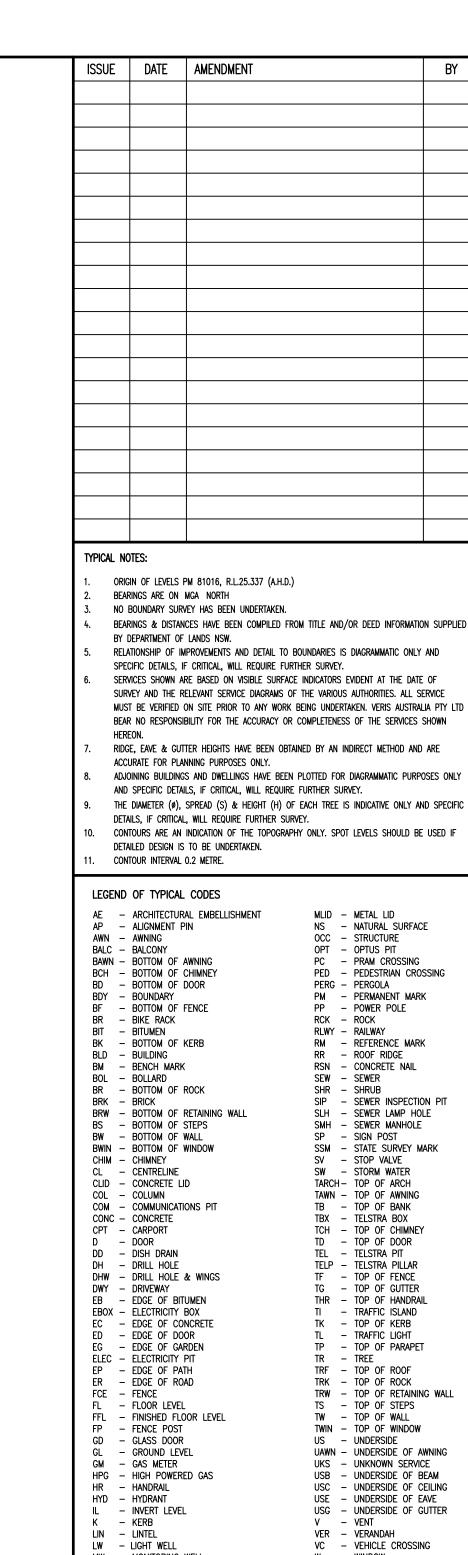
NORTHERN ELEVATION No 304-308 'PRINCETON APARTMENTS' BATHURST STREET







WESTERN ELEVATION 'EDINBURGH CASTLE HOTEL' RR: 1:100



REF:201559 TITLE No: 10/1255507 ISSUE:1 DATUM: A.H.D. DATE OF SURVEY: 25.11.19 ISSUE DATE:29.11.19 SURVEYOR: PH SHEET SIZE: B1 DRAFTER: SC SHEET 3 OF 4 SHEETS PLAN OF DETAIL & LEVELS AT 'METRO STATION SOUTH' PITT STREET

SYDNEY

LIN — LINTEL LW — LIGHT WELL

MH - MANHOLE

MW - MONITORING WELL

LEGEND OF TYPICAL SERVICES — C — COMMUNICATIONS CABLE

----- FS ------ FIRE SERVICE

---- OH ---- OVERHEAD CABLES

PE PRIVATE ELECTRICITY ----- PS ------ PRIVATE SEWER

NOTED ON THE PLAN ARE APPROXIMATELY ONLY.

THE POSSIBILITY OF THE EXISTENCE OF FURTHER UNCHARTED SERVICES.

Liability limited by a scheme approved under Professional Standards Legislation

CLIENT: GROCON (PITT ST) DEVELOPMENTS

BY THE AUTHORITIES.

E — UNDERGROUND ELECTRICITY

—AE——AO— UNDERGROUND ELECTRICITY &

ALL UNDERGROUND SERVICE INFORMATION INCLUSIVE OF GENERAL POSITION AND SURFACE COVER DEPTHS

ALL UNDERGROUND SERVICE INFORMATION HAS BEEN COMPILED FROM SERVICE AUTHORITY PLANS PROVIDED

ONLY USING THE SERVICE DIAGRAMS AS PROVIDED. THE EXACT LOCATION OF THESE SERVICES BETWEEN THE SURVEYED POINTS MUST BE VERIFIED PRIOR TO ANY EXCAVATION OR PILING. NO WARRANTY IS GIVEN AGAINST

AUTHORITIES, IN ACCORDANCE WITH STANDARD "DIAL BEFORE YOU DIG" PROCEDURES PRIOR TO UNDERTAKIN ANY WORKS WITHIN THE VICINITY OF THE SERVICE LINES TO VERIFY THE POSITION OF THE SERVICE LINES.

ALL CONTRACTORS, TRADESMEN, BUILDING & PROJECT CONSULTANTS MUST CONTACT THE VARIOUS

Veris Australia Pty Ltd Suite 301, Level 3, 55 Holt Street Surry Hills NSW 2012 PO Box 1807 Strawberry Hills NSW 2012 t: (02) 92124655 email: surryhills@veris.com.au web site: www.veris.com.au

W - WINDOW

---- S ---- SEWER

----- SO ------ SEWER OUTFALL ----- ST ----- SHARED TRENCH

—SW——CK— STORMWATER CREEK

---- U ----- UNKNOWN SERVICE

----- VR ----- VERIZON CABLES

DIAL BEFORE
YOU DIG
www.1100.cam.au
The Essential First Step

---- VO ---- VOCUS CABLES

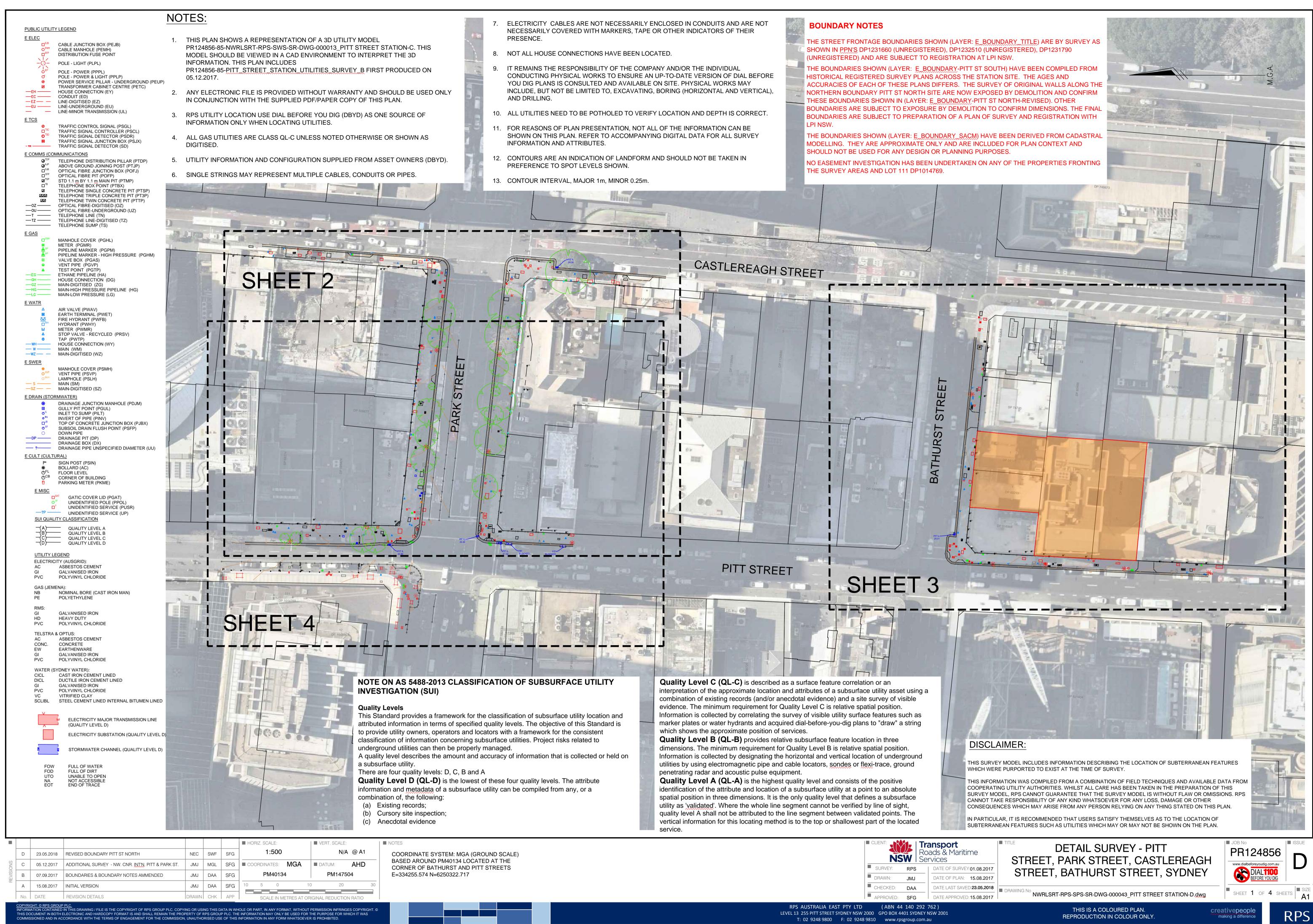
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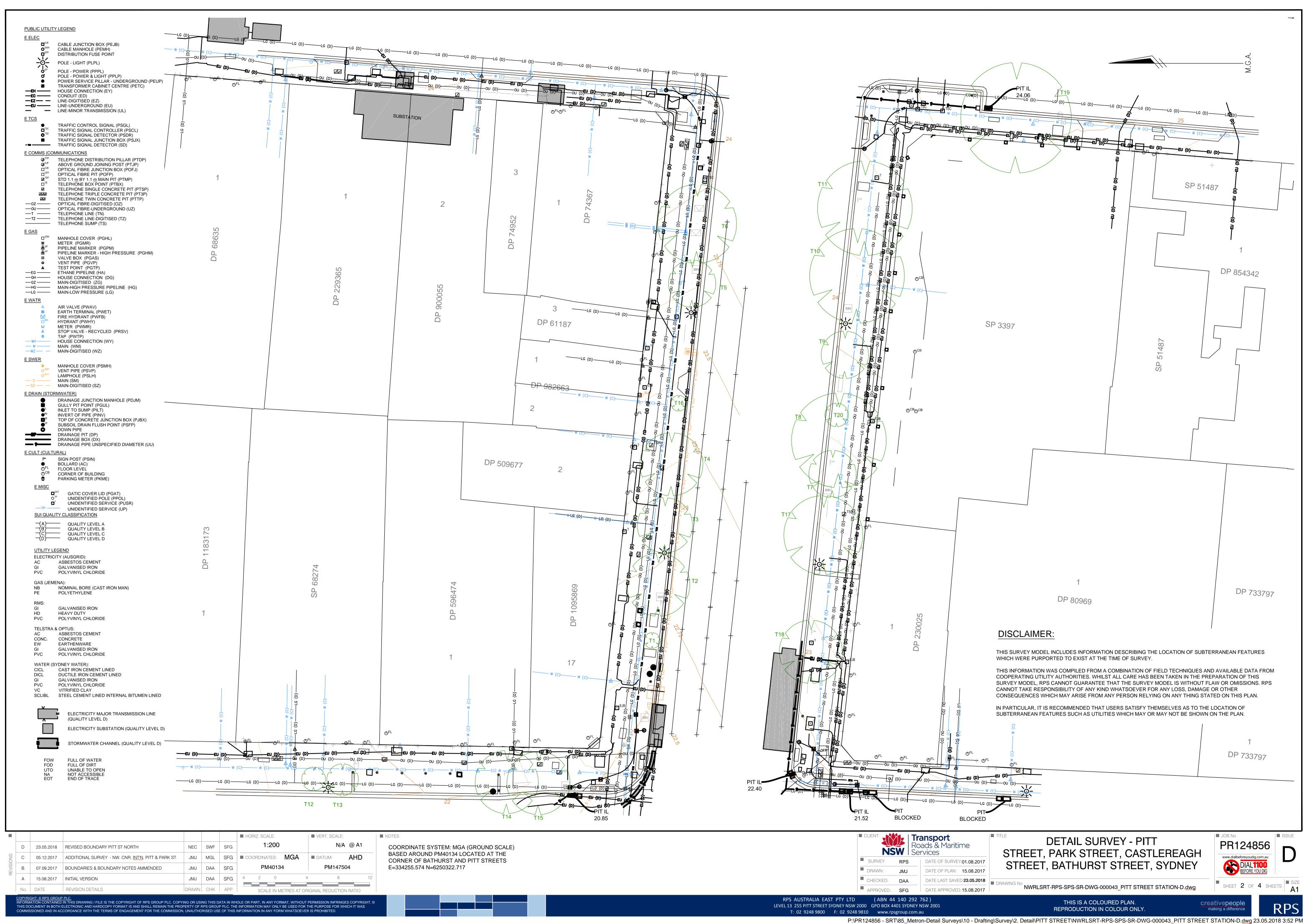
----- WM ----- WATER MAIN

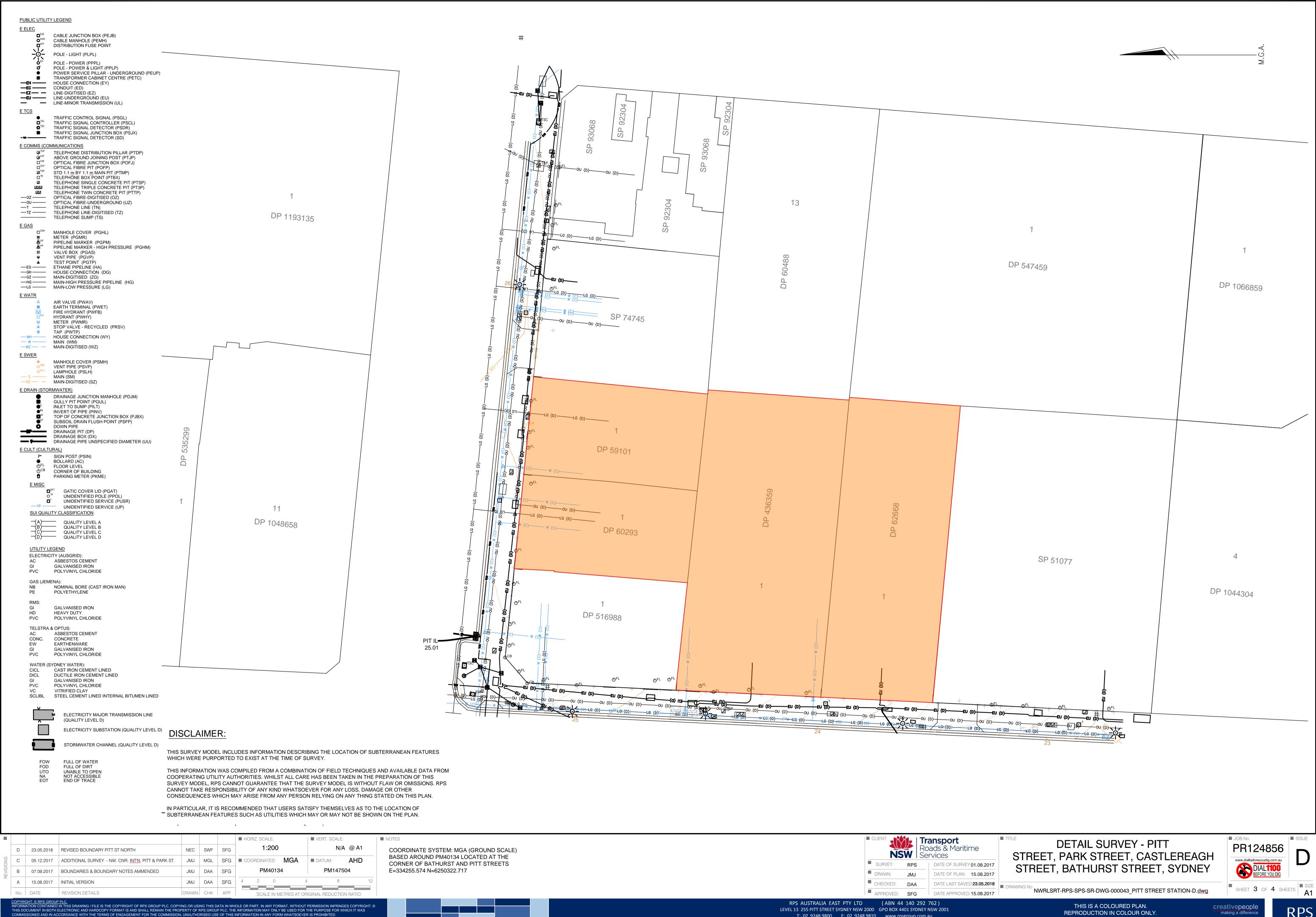
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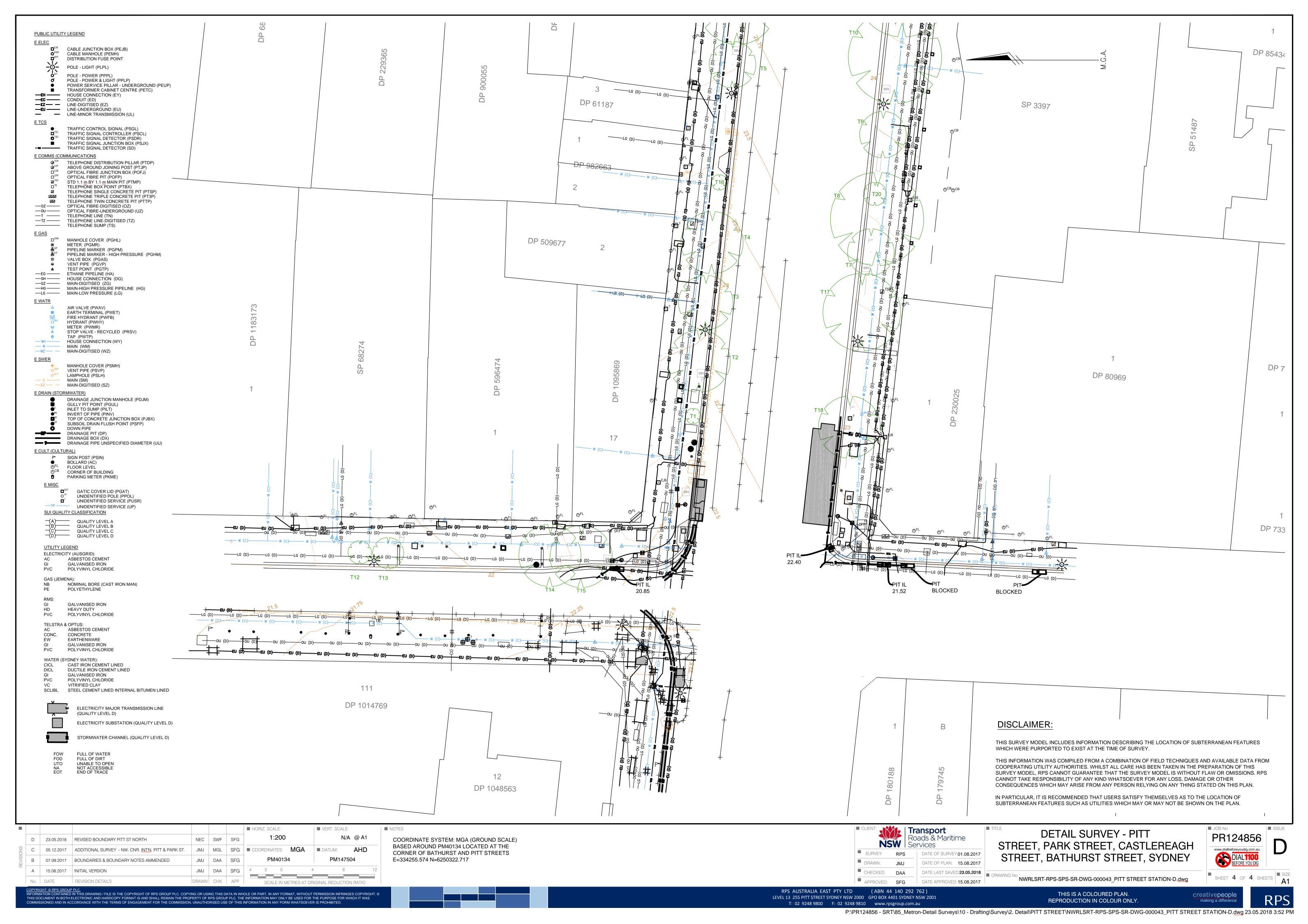


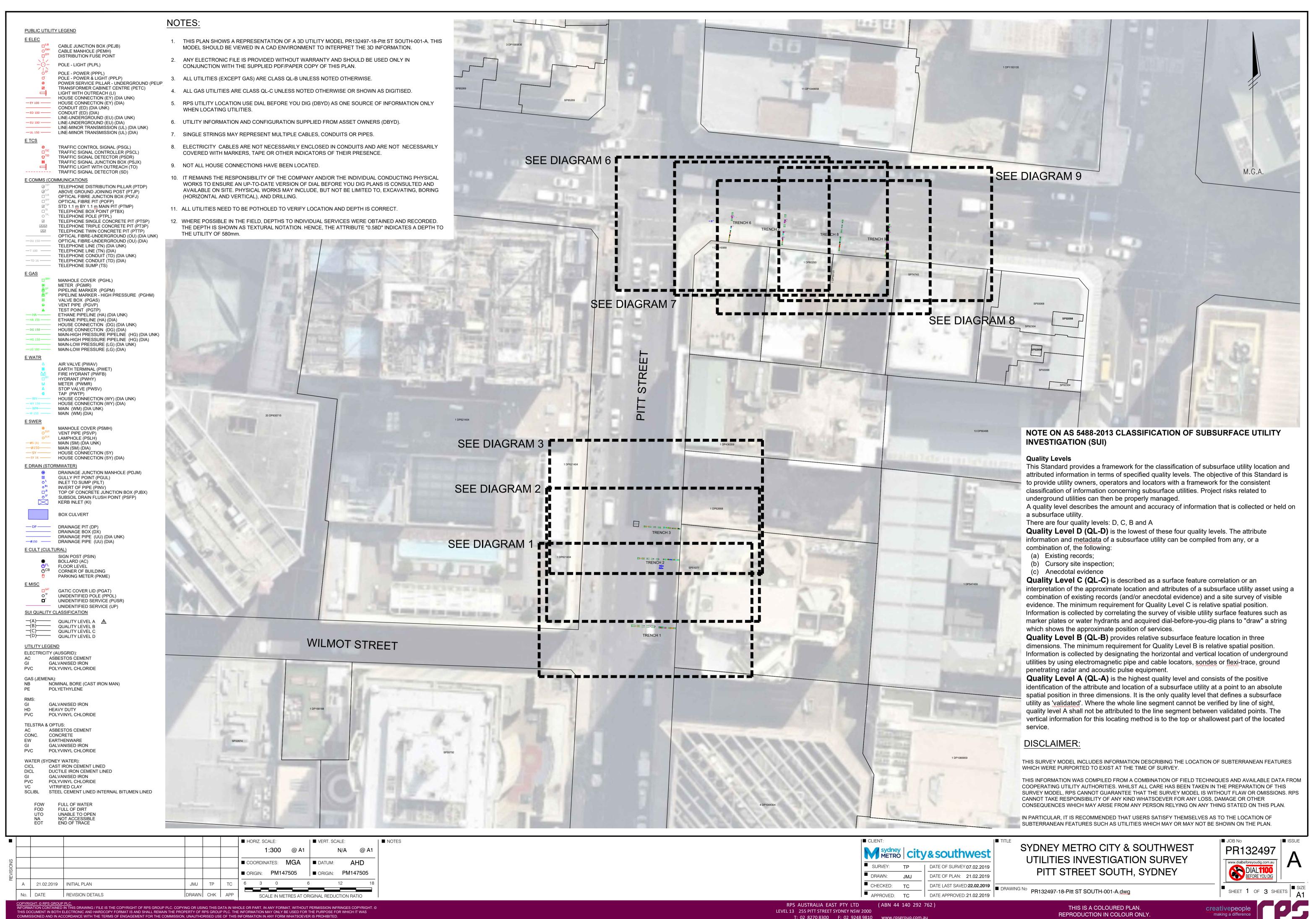


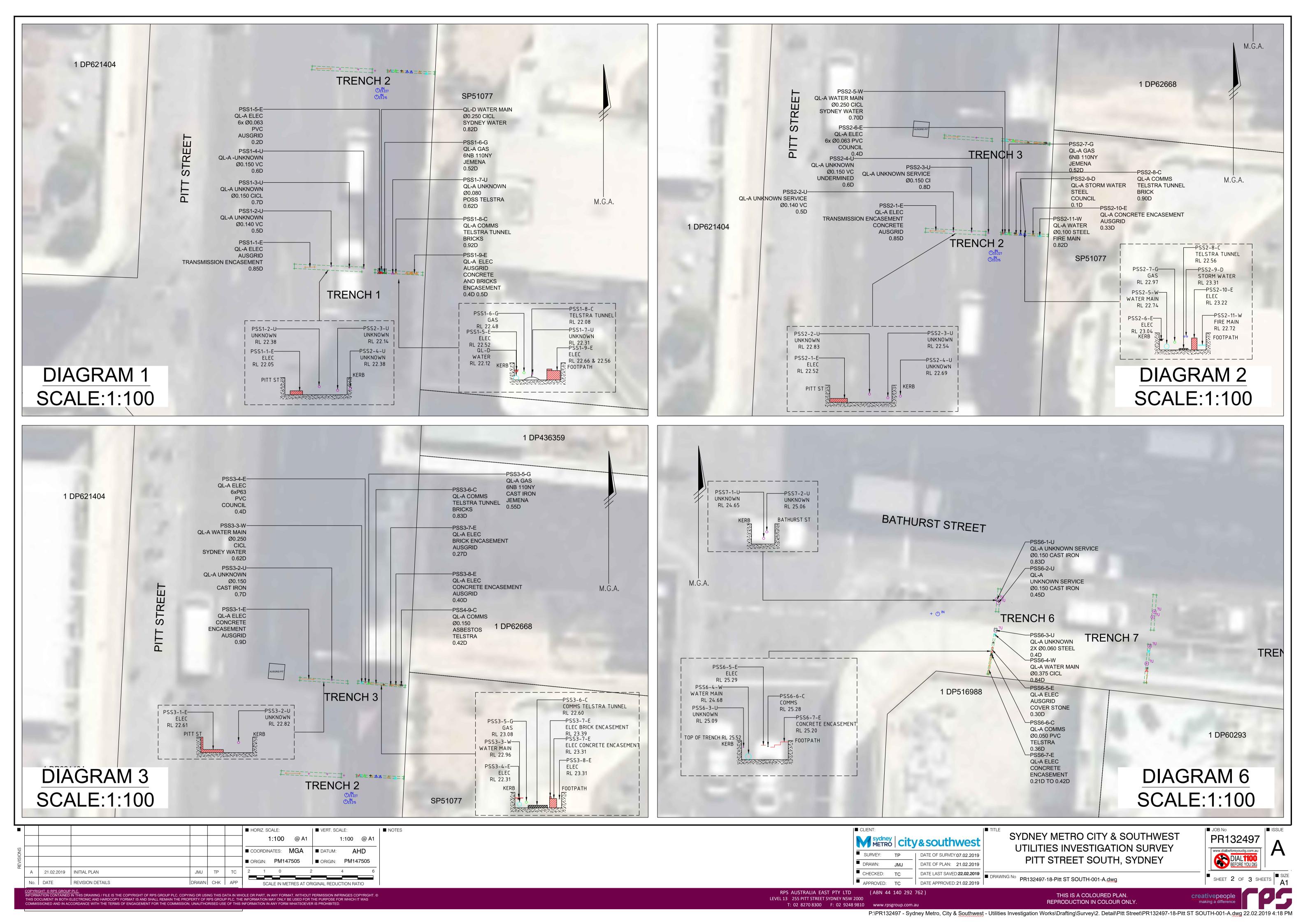


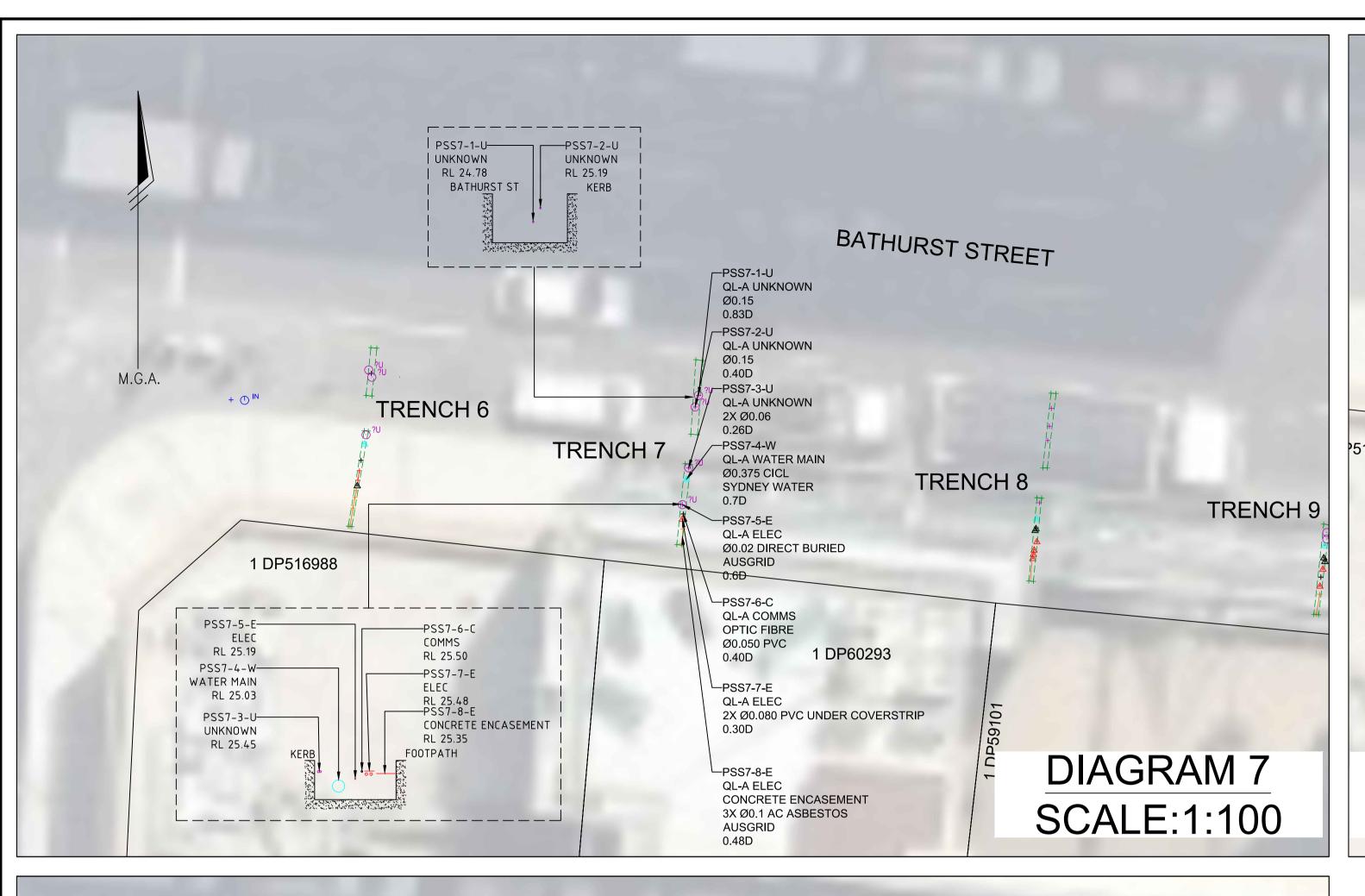


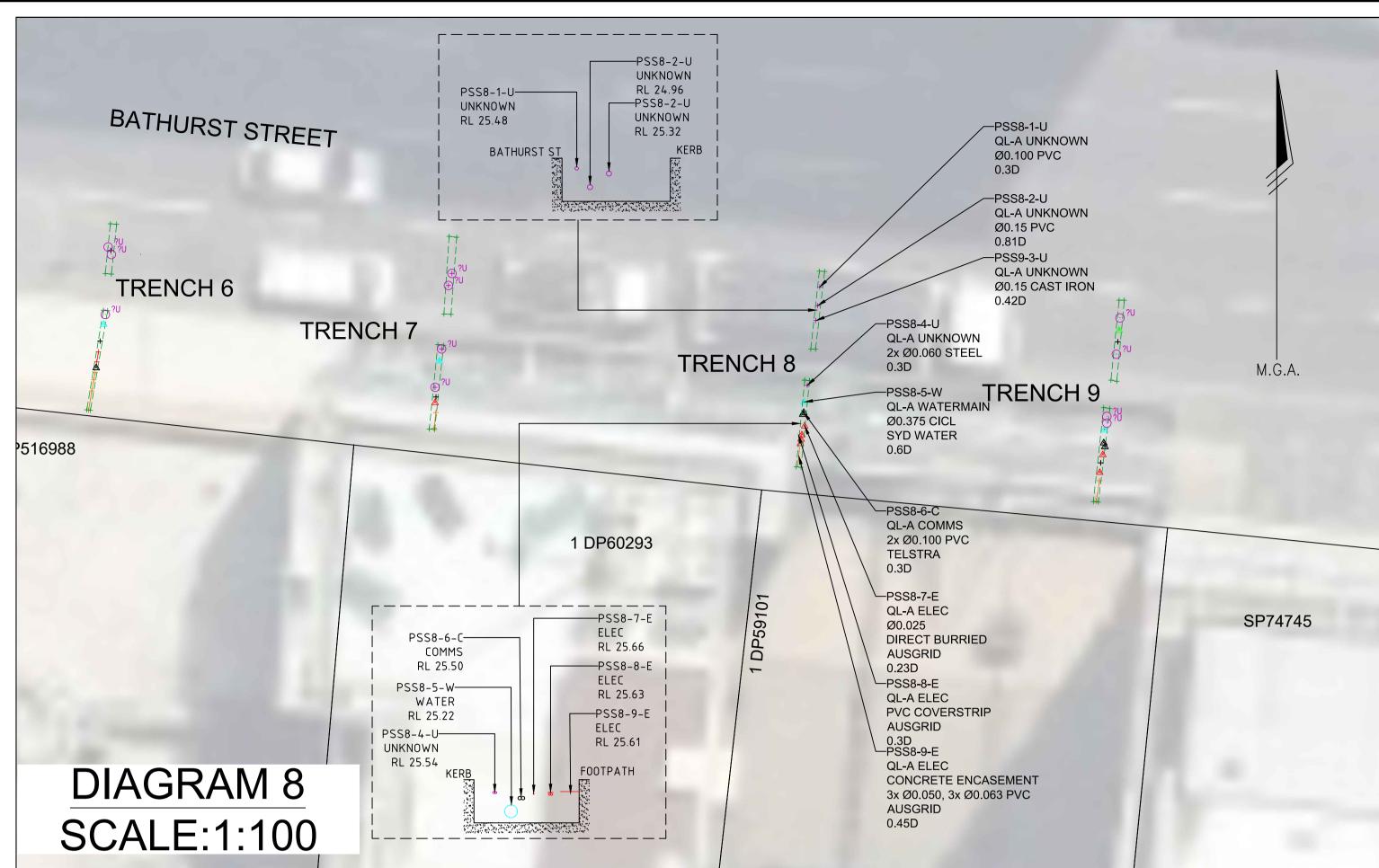


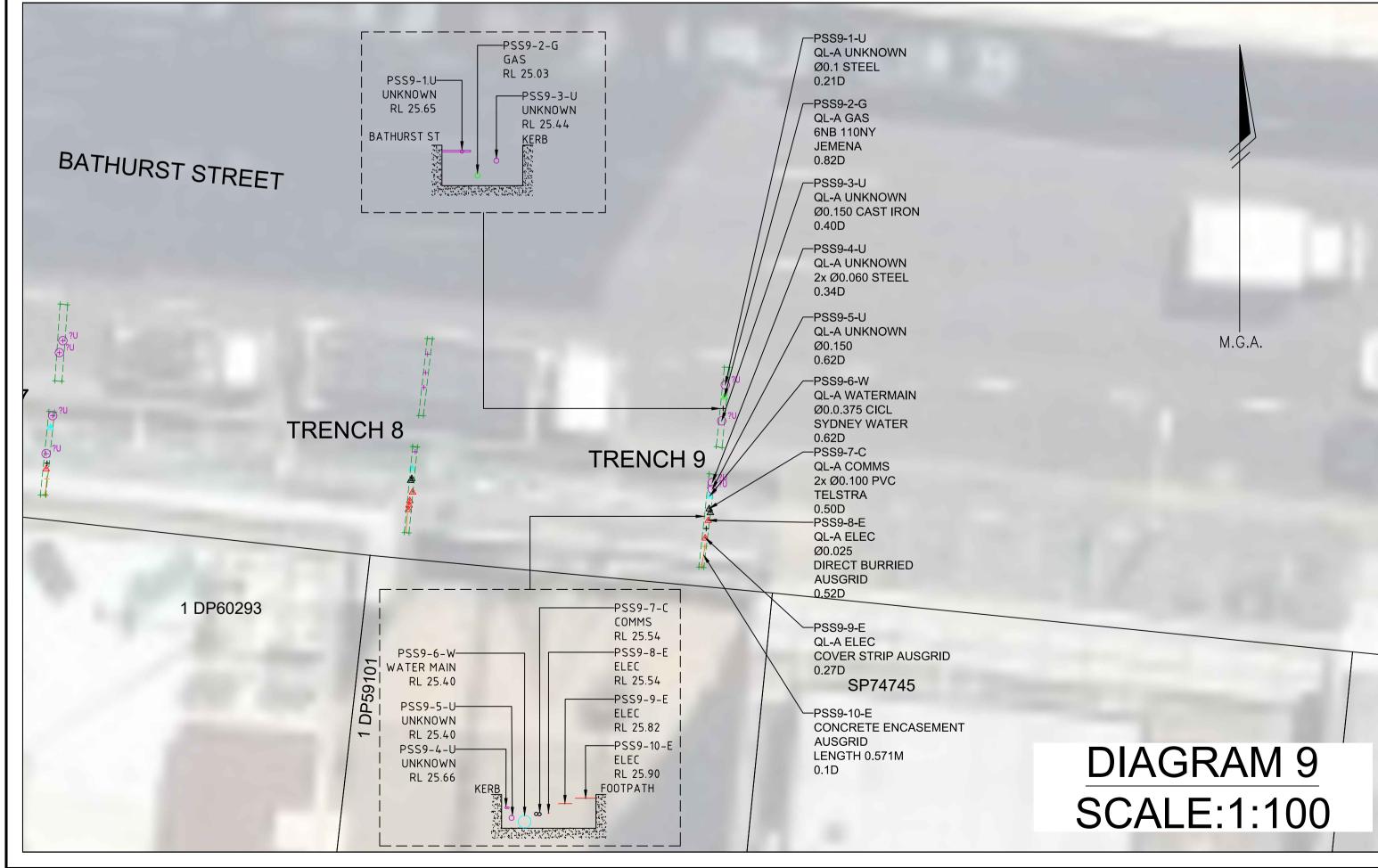












■ VERT. SCALE:

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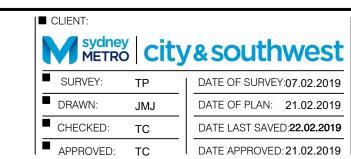
■ NOTES

■ HORIZ. SCALE:

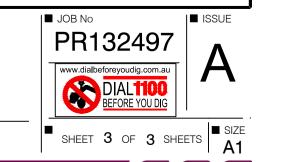
21.02.2019 INITIAL PLAN

REVISION DETAILS

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SYDNEY METRO CITY & SOUTHWEST UTILITIES INVESTIGATION SURVEY PITT STREET SOUTH, SYDNEY



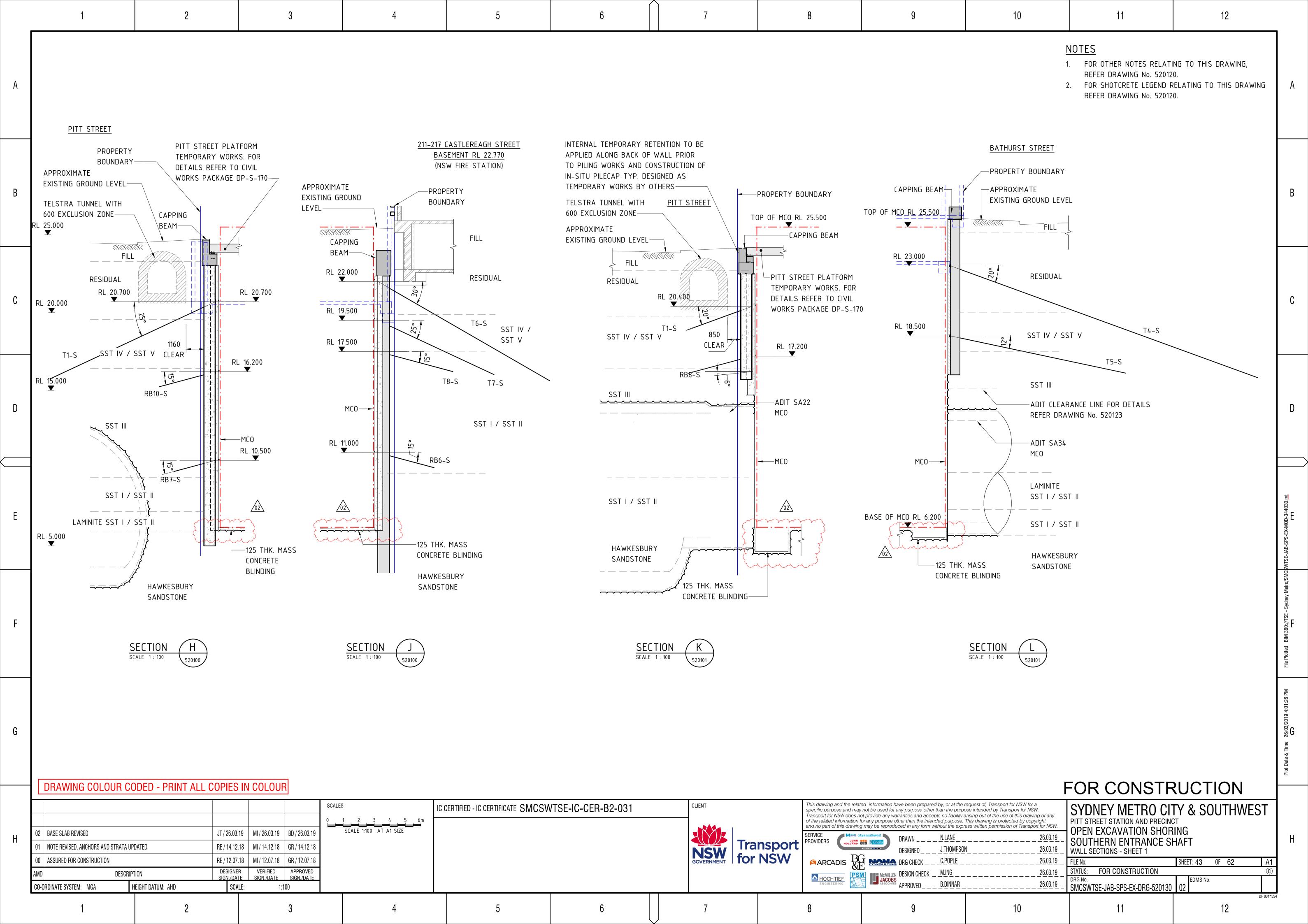
RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762) LEVEL 13 255 PITT STREET SYDNEY NSW 2000 T: 02 8270 8300 F: 02 9248 9810 www.rpsgroup.com.au

PR132497-18-Pitt ST SOUTH-001-A.dwg



Appendix B Telstra Tunnel

Transport for NSW Drawing: SMCSWTSE-JAB-SPS-EX-DRG-520130





Appendix C Dial Before You Dig (DBYD)

Retrieved 28th November 2019

If further information is required, please contact:

Ausgrid DBYD

Phone: (02) 4951 0899 Fax: (02) 4951 0729

Emergency Phone Number 131388



Underground Cable Location Search Advice

-- Ausgrid Assets Affected including TRANSMISSION --

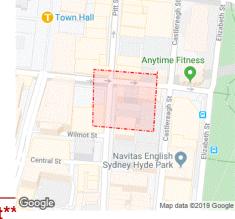
If you are working within 2 metres of **TRANSMISSION** cables you are required to have an Ausgrid Supervisor on site. The number to call to organise this is **49519200** and can also be found at the top of the supplied Transmission plan(s) in **RED**. *Note:* The Transmission Team requires **2 weeks notice** if required on site.

To:	Mr Mitchell Murphy		
	LCI	Phone No:	0417 219 235
	Level 4, 73 Walker Street	Issue Date:	28/11/2019
	North Sydney NSW 2060		

In response to your enquiry, Sequence No: 92610826 the records of Ausgrid disclose that there <u>are Ausgrid</u> underground cables in the defined search location and relevant Ausgrid plans have been provided.

This search is based on the geographical position of the dig site as denoted in the Dial Before You Dig caller confirmation sheet and an overview is provided:

Address:	296 Pitt Street Sydney NSW 2000
Job #:	18653207



Important

- All information provided to you is ONLY VALID FOR 30 DAYS from the date of issue
- You must keep Ausgrid plans on site during excavation works. If the people actually performing the excavation works do not know how to read and interpret Ausgrid's plans, then the work must be directed by a person who knows how to read and interpret plans.
- If you require a full size print of A0 plans and don't have the resources to do so please contact our office on 49510899 to request a hard copy to be posted. **Please allow 3 working days for delivery.**
- Please note you will ONLY receive portions of your search area that contain Ausgrid Underground Assets

YOU MUST READ AND UNDERSTAND THE <u>SUPPLEMENTARY MATERIAL</u> CONTAINED IN THIS ADVICE BEFORE PROCEEDING WITH ANY WORKS.

Summary of Supplementary Information:

Material	Purpose	Location
Important Information.pdf	Details important information	Attached
Working near Ausgrid Cables.pdf	Summary of NS156	Attached
COMN0119 How to Read Ausgrid Plans.pdf	Details how to read Ausgrid plans	Attached
SafeWork NSW "Work near underground assets: Guide"	To assist you in deciding appropriate measures to eliminate or control risks when working near underground assets.	Web Link [Click Here]
Ausgrid's Network Standard NS156	For important information for work near or around underground cables	Web Link [Click Here]
Ausgrid's Network Standard NS199	This Network Standard applies to specific work on Ausgrid Low Voltage Underground Assets and Associated Hazards	Web Link [Click Here]
Working in Confined Spaces	For important information when working in confined spaces	Web Link [Click Here]



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.

If further information is required, please contact:

Ausgrid DBYD

Phone: (02) 4951 0899 Fax: (02) 4951 0729

Emergency Phone Number 131388



Dear Customer,

You may have received a plan with <u>Prpsl</u> in their file name. These plans contain proposal coverages that may require further information. This information will be sourced and emailed to you if necessary.

Proposal coverages are areas where underground work may have been issued for construction by <u>Ausgrid</u>, but details are not yet completely displayed on <u>Ausgrid</u> plans. In such cases a shaded "proposal area" is displayed on the <u>Ausgrid</u> plan. Please refer to the attached document "How to Read <u>Ausgrid</u> Plans" page 2, Ref 7 for further information.

Should you have any enquiries please contact us by email at dbyd.ops@ausgrid.com.au or by phone on (02) 49510899

Regards, Ausgrid Dial Before You Dig Data Maintenance

Working near Ausgrid cables

Finding out what's below the surface can save your life.

Call Dial Before You Dig on **1100** or visit **1100.com.au**





Changes in the Law.

NSW legislation now requires people who are planning to do excavation work to obtain copies of underground electricity cable plans through Dial Before you Dig (Phone 1100) and to make sure that the plans are no more than 30 days old when excavation commences.

The aim of the legislation is to ensure that when workers dig near electricity cables, they will establish the exact location of the cables and thus avoid coming into contact with them or damaging them. This will ensure worker safety and also prevent disruption to Ausgrid's electricity network.

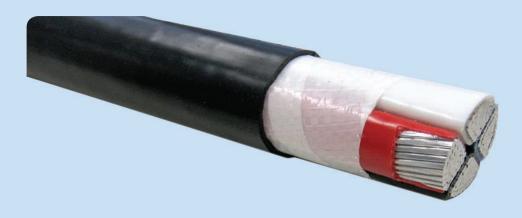
This brochure gives you a brief overview of how to prepare for excavation works near or around electricity cables. It is important that you also consult our guide How to Read <u>Ausgrid</u> Plans and make sure that workers engaged in excavation works fully understand how to read the plan. If the people actually doing the digging can't read the plans, it is essential that the work is directed by a person who has been trained to read <u>Ausgrid's</u> plans.

You must also consult <u>Ausgrid's</u> Network Standard NS156, which contains comprehensive information concerning all the issues that arise when excavating near underground cables (such as safety hazards from asbestos conduits and <u>organochlorine</u> pesticides).

Excavating near transmission cables.

If any cable plan you receive says "You are working near transmission cables" it is compulsory to notify <u>Ausgrid</u> two weeks before work is scheduled to begin. <u>Ausgrid</u> will then arrange for an <u>Ausgrid</u> representative to attend the site during excavation work.

Phone the <u>Ausgrid</u> Transmission enquiries line on (02) 4951 9200 to arrange for an <u>Ausgrid</u> representative in your region.



Be prepared. Wise words for safety at work.

Here are some simple precautions you and your workers need to follow in order to be as safe as possible.

- Make sure that your Dial Before You Diq (DBYD) plan is less than 30 days old
- Keep a copy of the cable plan on site at all times
- Make sure the excavation work is conducted or directed by staff who are trained to read the plan
- Hand dig until the exact location of the cable has been established
- Have on site at all times a first aid kit and a person trained in resuscitation
- Wear protective clothing, including safety footwear and safety helmet
- Have emergency contact numbers on site
- Set up safety barriers, witches hats and warning lights to reduce the risk of injury to the general public
- Comply with all SafeWork NSW requirements and codes.

See also:

- SafeWork NSW Guidelines: Work Near Underground Assets
- SafeWork NSW Code of Practice: Excavation Work
- SafeWork NSW Code of Practice: Work Near Overhead Powerlines (if applicable).

Before you start. Complete the checklist. Stop and look around.

Before you start excavating, consult the flow chart and fill in the checklist at the end of this brochure.

Then, be sure to look for clues where cables might be located on the site: for example pits, distribution pillars (green and other colours), cables attached to the side of poles, street lights without overhead wires.







Do all power cables look the same?

No. Power cables come in different sizes, colours and coverings. They may be covered in black plastic sheath, steel wires in a sticky <u>bitument</u> like material, or even a simple lead or steel wire/tape sheath.

What else should I look for below ground level?

Cables may also be buried in orange PVC or PE conduits or even in earthenware or steel pipes. A bank of cables may be covered with electrical bricks, plastic warning markers or protective covers, or they may not be covered at all. If they have been buried close to the surface, they may be covered by concrete slabs or steel plates.

When in doubt, ask Ausgrid.

If you have any questions about excavating near <u>Ausgrid</u> cables, read **NS156** (available at <u>ausgrid.com.au</u>). For further information call **13 13 65**.

You've taken every precaution but accidents still happen. What now?

If you damage an electricity cable, it is compulsory to notify Ausgrid on 13 13 88.

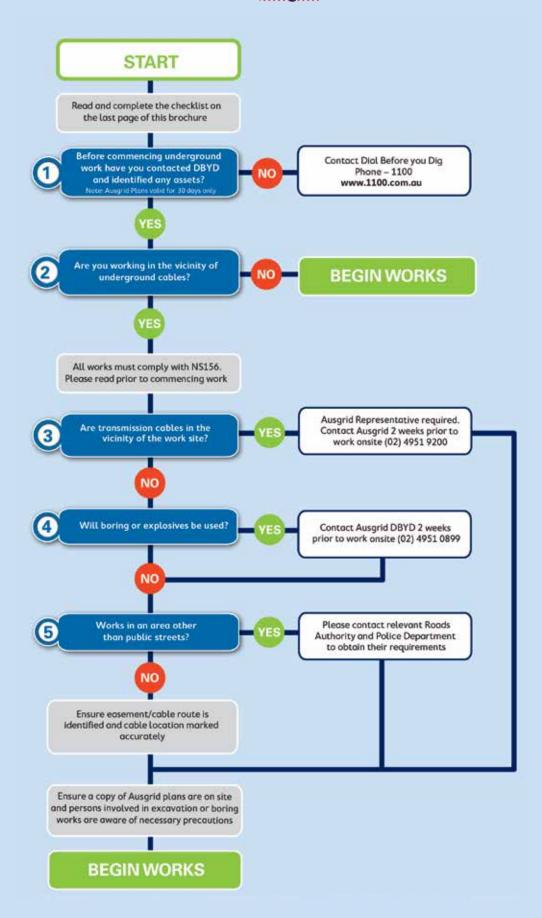
Striking power cables can cause serious damage to the cables and endanger the lives of anyone who comes in contact with them. Machinery and hand operated plant such as jack hammers can become alive if it is in contact with electrical cables or equipment. Keep people well away from machinery and the work site if contact is made with a cable.







Flow Chart for work near Ausgrid Cables



Ausgrid Checklist for work near or around underground cables

It is the responsibility of the Constructor to ensure that underground pits, ducts and cables are not damaged as a result of construction work. It is also your duty to protect your workers from harm or injury. This <u>Checklist</u> is intended to be used as a guide to what Constructors should do to make sure they have satisfied the minimum requirements to minimise damage to underground networks.

PLANS, LOCATION and NOTIFICATIONS	Completed
All relevant utilities plans obtained from Dial Before You Dig? (call 1100 – allow at least 5 working days for plans).	
Checked issue date on all the above plans to ensure issue was within the last 30 days?	
Examined plans and assessed all possible impacts on Ausgrid's network?	
Do you have both Underground Distribution and Transmission Plans (if applicable), on site at all times?	
All cables and conduits shown on the <u>Ausgrid</u> plans been located and marked on the ground?	
If you are planning to use a bore, have you ensured that the equipment is calibrated?	
Have you read and understood the requirements of NS 156? (for copies of NS 156 visit <u>Ausgrid's</u> Website or phone <u>Ausgrid</u> DBYD Office (02) 4951 0899) <u>www.ausgrid.com.au</u>	
Have you notified Ausgrid as specified by NS 0156 and complied with requirements?	
Where an <u>Ausgrid</u> representative is required, two weeks notice is required before work commencing on site. Contact phone number for Transmission cable enquiries is (02) 4951 9200. For all other cases contact <u>Ausgrid</u> DBYD Office: (02) 4951 0899.	
INSPECTION OF WORK BY Ausgrid's REPRESENTATIVE	
Is the <u>Ausgrid</u> representative on site for any work near or around* any transmission cable before you start? (*Refer to NS 156.)	
For proposed work near or around* cables other than transmission and/or conduits, are any requirements specified by Ausgrid's representative clearly understood and ready to be applied before you start the work? (*Refer to NS 156.)	
PROTECTION	
Check that all people on-site have been made aware of the presence and location of ALL <u>Ausgrid</u> underground cables and/or conduits; especially boring, drilling and trenching machine operators?	
Is there any asbestos or asbestos containing material in <u>Ausgrid's</u> underground network assets?	
Have you checked for the presence of any Organo-Chloride Pesticides (OCP) in transmission trenches?	
Is the site supervisor monitoring all machine operators working near or around <u>Ausgrid's</u> underground cables and/or conduits?	
Are the requirements specified by <u>Ausgrid's</u> representative being followed?	
Are <u>Ausgrid's</u> requirements in place for any exposed cables and/or conduits to be supported and protected?	
Have you marked all exposed underground cables and/or conduits with flags that are clearly visible from within all machinery used on-site?	
Have safety barriers, fencing or para-webbing been erected to protect staff and the public as well underground cables and/or conduits in areas that are at risk?	
Have safety barriers, fencing or para-webbing been erected to protect staff and the public as well underground cables and/conduits in areas that are at risk?	

In the event of DAMAGE to <u>Ausgrid's</u> cable or conduits, call 13 13 88 immediately. PROCEED with CAUTION

It is your responsibility to protect <u>Au</u> from harm or injury.	sgrid's cables and conduits from dam	nage and your Duty of Care to p	protect your workers
Signed:		Date:	//
	Responsible person on site		



Reading Ausgrid Plans

COMN0119

1 Property Lines

"property line" (PL), sometimes referred to as "building line" (BL), is the standard dimensioning reference point on all Ausgrid plans and represents property boundaries.

Typically the PL is the boundary between private property and local council's footpath area or nature reserve. Most residential fences and office blocks are erected along the PL.

"kerb line" (KL) is less frequently referred to on Ausgrid plans, and where used will be identified clearly as KL.

Numbers listed within property boundaries should correspond to recognised "street numbers" (refer to figure 1).

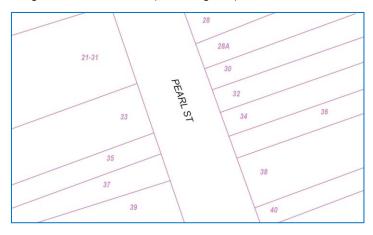


Figure 1

2 Datum References

"datum references" identify distances (in metres) from significant features (such as corners of property boundaries) to reference points such as <u>Ausgrid</u> assets (eg: "conduits", "cables", "joints") (refer to figure 2).

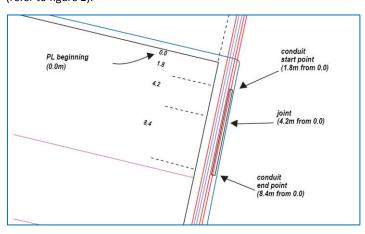


Figure 2

3 Cross Sections

A "cross sections" displayed on <u>Ausgrid</u> plans detail information relating to the relative position (ie: distance from the "property line", and the depth of "cover") of <u>Ausgrid</u> assets.

"Cover" is a term used to refer to the depth of cables underground.

A "cross section" leader line will be drawn indicating the location of the displayed "cable" or "conduit" information on Ausgrid plans.

The distance from **"property line"** (in metres) and depth of **"cover"** (in metres) references are displayed as; <u>ie</u>: 0.6 metres from PL and 0.5 metres underground.

Where distance and cover are not recorded, they will be clearly marked as "NR".

NOTE: Distar

Distance and cover where indicated may be different to the actual position of the cables (eg: fill may have been placed at site that has changed the ground level).

"PL" distance shown in cross sections is an indicative measure to the centre of the trench allocation from the adjacent property line.

On some plans the "cross sections" may also be shown with a specific number (eg: HR1). This number will match with a cross section detail found in the border of the plot or on a separate plot page (refer to figures 3 and 4).

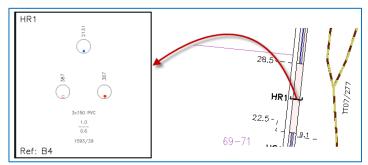


Figure 3

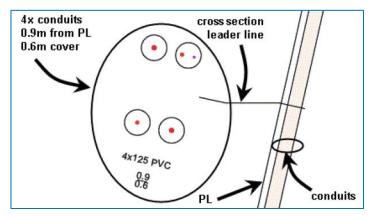


Figure 4

4 Cable Joints and Joint Reports

"cable joints" (numbered individually) and "joint reports" (attached to Ausgrid plans) can provide information relating to the relative position of Ausgrid assets, distance from the "property line" (in metres), and the depth of "cover" (in metres) (refer to figures 5 and 6).

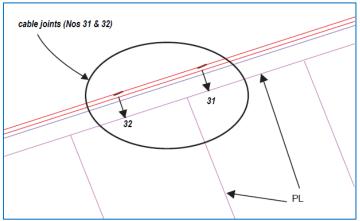


Figure 5

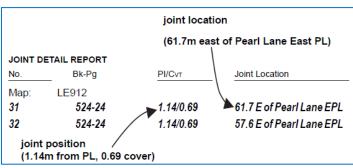


Figure 6

5 Cross Section Detail Boxes

"cross section" detail boxes on the sides of an Ausgrid plan are used when there is insufficient room to display "cable" and/or "conduit" information on the Ausgrid plan.

<u>Ausgrid</u> plans (refer to figure 7) are bordered by numeric identifiers along the top and bottom borders and alpha identifiers along the side borders.

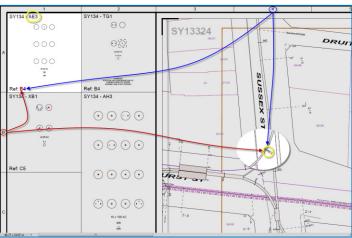
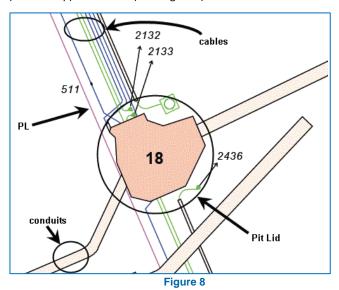


Figure 7

"Cross section" leader line and annotation is drawn on the Ausgrid plan for a reference to "cable" and/or "conduit" information in the "cross section" detail boxes.

6 Pits

Underground "pits" are numbered on <u>Ausgrid</u> plans, positioned relative to the "property line" (PL), and can be found on either the footpath (nature strip) or the road (refer figure 8).



7 Proposal Areas

There are areas where underground work may have been issued for construction by Ausgrid, but details are not yet completely displayed on Ausgrid plans. In such cases a shaded "proposal area" is displayed on the Ausgrid plan, indicating underground work may have commenced in the vicinity but is not yet complete.

In some instances cables and other assets within the shaded **"proposal area"** will be shown in a **bright magenta** colour, indicating that the proposed new work displayed within the shaded area is based on initial planning documentation (refer to figure 9).

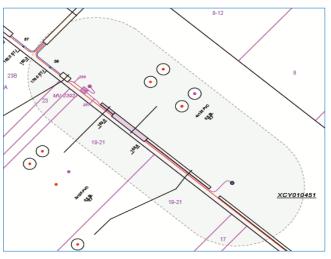


Figure 9

In other instances the shaded **"proposal area"** itself may be shown as a blue colour, indicating that the new work displayed within the shaded area on the <u>Ausgrid</u> plan is yet to include details regarding final depths and dimensioning (refer to figure 10).

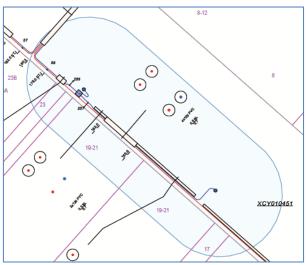


Figure 10

NOTE: In cases where these shaded **"proposal areas"** are displayed on Ausgrid plans.

"Ausgrid's design plans showing the proposed position of its underground cables, overhead lines and structures have been prepared solely for Ausgrid's own planning use. They show the proposed position of such underground cables, overhead lines and structures as proposed at the time of planning and have not necessarily been corrected to take into account any changes to road widths, road levels, fences and buildings subsequent to proposed installation.

Actual installations may vary from proposed installations as it may be necessary to take account of unforeseen above ground or subterranean constructions. Therefore, Ausgrid does not hold out that the design plans show more than the proposed presence or absence of its underground cables, overhead lines and structures in the street and will accept no liability for inaccuracies in the information shown on such design plans from any cause whatsoever."

Any further information regarding information displayed for "proposal areas" can be obtained by contacting the <u>Ausgrid DBYD</u> office at the number indicated on the response to your DBYD enquiry for further information.

8 Ausgrid (ISG) Map Grid

The pale grey line indicates the **1:1000** Ausgrid (ISG) map grid border. The pale grey annotation located in the corners of the Ausgrid plan window, indicates the 1:1000 Ausgrid (ISG) map grid reference.

The 1:1000 Ausgrid (ISG) map grid border and reference on Ausgrid plans should be used when reading the "joint report" (see part 4 of this document for more detail) to accurately locate underground cables.

The buffer area shown on the plan should relate to the area requested on the original Dial Before you Dig request.

The **grid index box** can be used for reference where necessary (located in the bottom right corner of the <u>Ausgrid</u> plans), and will also indicate the buffer area shown on the plan.

9 Ausgrid "Distribution" and "Transmission" Plans

The Ausgrid plans supplied may identify both "distribution" and "transmission" voltage assets for the area defined in the DBYD request (refer to figure 11).

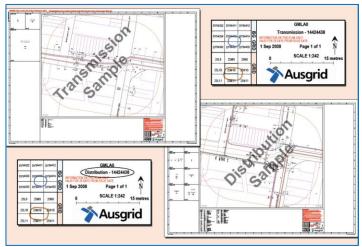


Figure 11

In the Sydney region, the <u>Ausgrid</u> plans are separately labelled as "Distribution – <u>nnnnnnn</u>" and "Transmission – <u>nnnnnnn</u>", where "<u>nnnnnnn</u>" refers to the DBYD sequence number quoted.

In the Hunter region, the <u>Ausgrid</u> plans show combined "distribution" and "transmission" voltage assets, and are clearly labelled as "<u>Distr</u> + <u>Trans</u> – <u>nnnnnnn</u>" where "<u>nnnnnnn</u>" refers to the DBYD sequence number.

In the Hunter region, some DBYD requests are covered by PENGUIN grid references. In such cases, the <u>Ausgrid</u> Plans show the grid quoted with a cross-reference to a corresponding <u>Ausgrid</u> (ISG) map grid (eg: PENGUIN 136B3 – DP711, where DP711 is the <u>Ausgrid</u> (ISG) grid) to optimise the legibility of plans due to PENGUIN grid scale.

Some Hunter plans may have transmission cables in the area, when these cables are present there will be a warning printed at the top of the plan supplied:

WARNING: If there is work in the vicinity of transmission cables, <u>Ausgrid</u> must be contacted at least two weeks before the work is due to commence.

10 "Shifting Land Base" on <u>Ausgrid</u> Distribution and Transmission Plans

In some instances, the plans supplied may indicate road or property outlines that appear to have shifted in relation to the <u>Ausgrid</u> assets displayed (refer to figure 12).

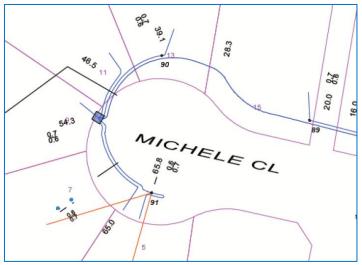


Figure 12

In such instances, always refer to the "property line" (in metres) and depth of "cover" (in metres) references displayed on the nearest relevant "cross sections" to obtain Ausgrid asset location information (see Reading Ausgrid Plans, clause 3, Cross Sections for more detail).

11 "Underground Earthing Infrastructure"

In some instances, the plans supplied may also indicate the presence of underground earthing infrastructure associated with underground and/or overhead Ausgrid assets.

The "Earth Point" symbol (refer to figure 13) will be shown on plans to minimize risk of disturbance or damage to any Ausgrid underground earthing infrastructure in the vicinity.



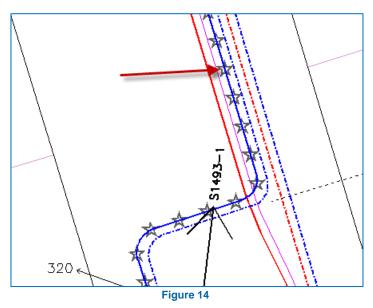
Figure 13

12 Hazardous Cables – Specific Excavation Hazard

Certain cables specifically illustrated in figures 14 and 15 below are susceptible to deterioration that may pose a risk of electric shock when working near them, particularly in damp ground.

For all work on or near <u>Ausgrid's</u> network (where workers have been trained in <u>Ausgrid's</u> "Work Near Underground Power Lines" course) the work practices outlined in NS199 "Safe Electrical Work on Low Voltage Underground Assets" must be adhered to.

All other persons must contact <u>Ausgrid</u> before excavating near these cables to arrange for appropriate precautions to be applied.



The "star" symbols over the cable indicate that it is susceptible to this

Cables that are in duct lines have this <u>symbology</u> covered so an at-risk cable is indicated only within a cross section by a **"#"** appended to its cable code as illustrated below.

deterioration.

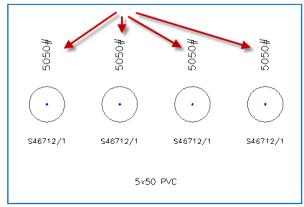


Figure 15



Ausgrid Underground Map Symbology

NOTE: Please note <u>symbology</u> is subject to change. This document provides underground (UG) related objects only. In cases where you are unsure of the data presented, please contact <u>Ausgrid's</u> DBYD for clarification *prior* to any planning/excavation works.

Ol	bject	Symbol
HV Cable	HV (High Voltage) 5kV-22kV	In Service Out of Service
	TR (Transmission) 33kV – 330kV	In Service Out of Service
LV Cable (Low Voltage)	Mains (Dark blue)	In Service Out of Service In Service Risk
	Street Lighting (Green) Note: Mains Connector also used as Street Lighting (dark blue)	In Service Out of Service
	Service (Light blue)	In Service Out of Service In Service Risk
	Unknown	-
Auxiliary	Data Comms Telco	In Service
Cable	Protection Fibre Optic Pilot	Out of Service

Ol	oject	Symbol
HV UG Joint	Straight Through, Parallel Branch or Tee	
	Switchgear, End Box or Transition	—
	Sealed end	
HV UG Termination	Pot End	
	UGOH	
HV Cable	5kV-330kV	
Repair	(HV & TR)	*
	Straight	
	Through,	
LV UG Joint	Parallel Branch,	
er od John	Tee or Service	
	Network Box	
LV UG	Switchgear, End	
Termination	Box or	
	Transition	
	Sealed end	
	Pot End	
	UGOH	

Ol	oject	Symbol
Auxiliary Fix	Pilot Window	
Auxiliary Joint	Straight Through, Parallel Branch or Tee	
Auxiliary Termination	UGOH or Pole Termination Pilot UGOP-ADSS	P
Cable Pit	Termination Auxiliary	
(Can be various shapes)	Distribution Transmission	
	Distribution	
	Switch	1-3 WAY
LV Pillar	SL Pillar	+ NO SLCP SLCP
	SL Cubicle	\times
	Fargo	F
	Private	P
LV Auxiliary Pillar	All Types	:::::
LV Link Box	2 Way & 4 Way	

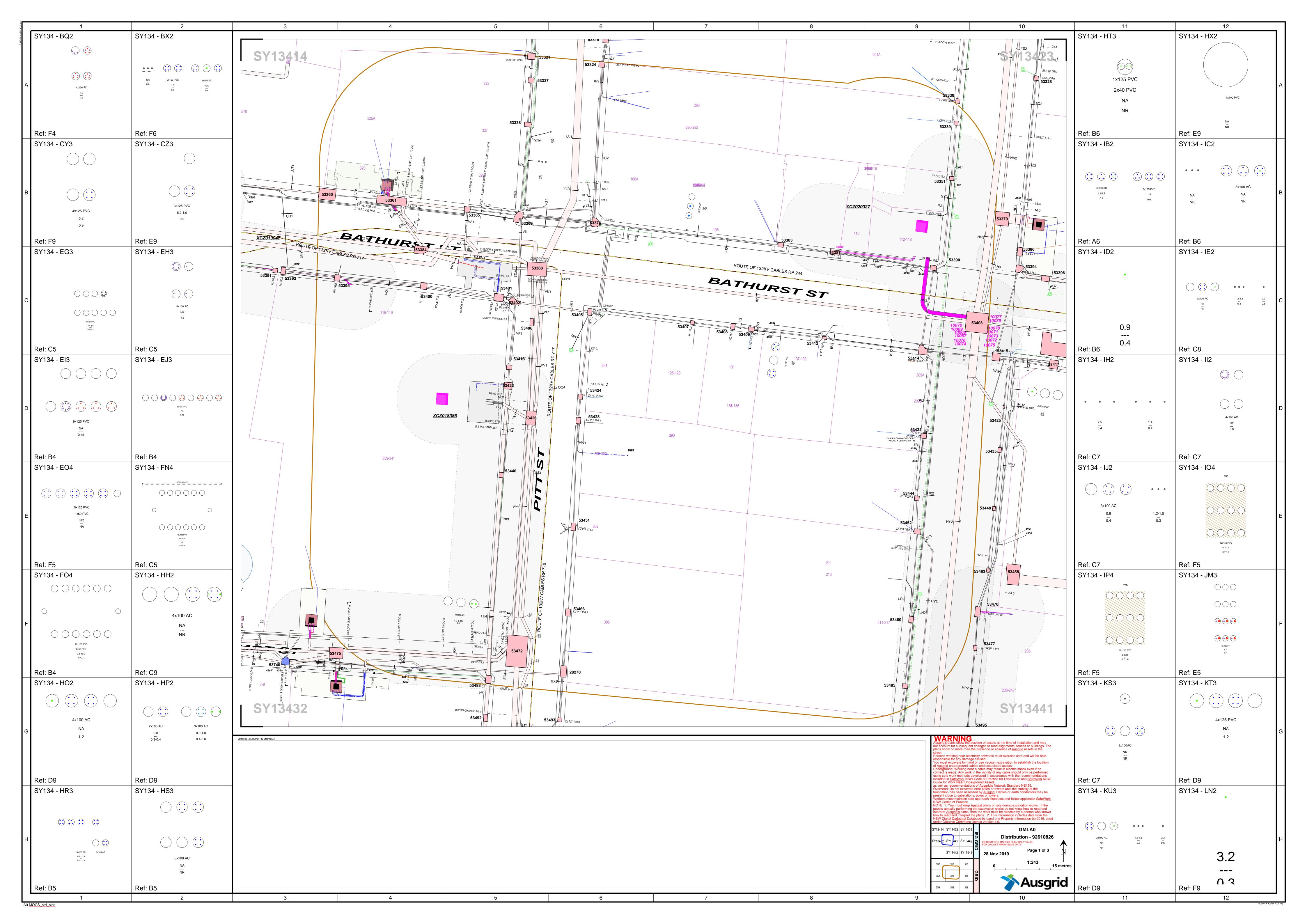
Ausgrid Underground Map Symbology

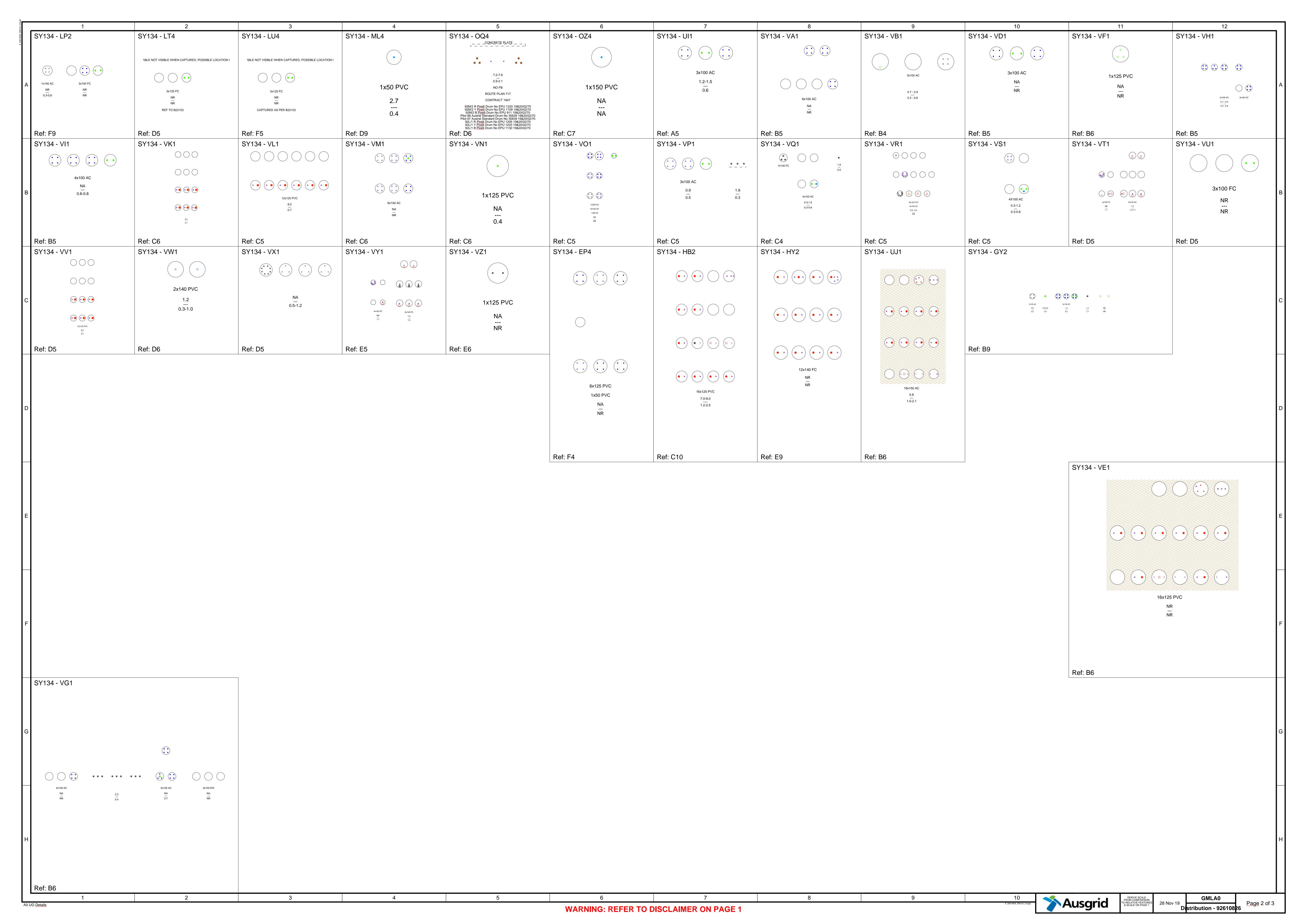
Ol	bject	Symbol
Substation	Cottage &	
	Chamber	
	Ground &	
	Subtransmission	
	Ground	
	Kiosk &	
	Subtransmission	
	Kiosk	
	Zone	
	Transmission	X
	Bulk Supply	B.SP
	Point	
	Metering	\ \
	Station &	
	Subtransmission	
	Metering	
Switching Station	Isolating & Earth	
	Other – OH &	ř
	UG	
	Ring Main Unit	
Earthing	UG Earth Cable	
	Earth Point	
Frequency	Distribution and	
Marker	Transmission	M
	Power	Ball or Disc Type Marker
	Auxiliary	F
	Communications	M
		Ball or Disc Type Marker
	Distribution and	
	Transmission	Tape Marker
	Power	
	Auxiliary	
	Communications	Tape Marker

Trench Centreline	
Treffch dendreme	
Conduit Coverage	
(Can be (Distribution)	
various Coverage	
shapes) (Transmission)	
Coverage	₹
(Underbore –	_
cross hatched)	
Cross Marker (Staple)	
Section User Line	
Measure-	
ment Point	
Miscella- Cable Clamp	
neous Point	
Feature Cable Core split	
(Trifurcation)	
Cable Marker	
Electrolysis	
Point	
End Of Pipe	
Frequency	
Injection Unit	
Gas Charger	
Gas Control	
Cabinet	
Gas Control	
Kiosk	
Gas Control	
Point	
Gas Control	
Valve	
Gatic Pit lid	

Ol	oject	Symbol
Miscella- neous Point	Inspection Box	
Feature	Link point	
	Oil Control Valve	
	Oil Gauge	0
	Oil Tank	
	Sniffer Box	• •
	Thermocouple Box	
	Transmission Cable Marker	Nulls and Control of the Control of
	Transmission Link Point	
Miscella- neous Linear Feature	All Geometries	
Map Note	Location & Text	**Text about note
Dimension Feature	Placement Change	4







A0 TR MOCS std plot

10

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GPO Box 1591 Sydney NSW 2001 • Town Hall House, 456 Kent Street Sydney NSW 2000 p (02) 9265 9333 • f (02) 9265 9222 • e council@cityofsydney.nsw.gov.au • www.cityofsydney.nsw.gov.au

Dial Before You Dig (DBYD): Asset Location Response

LCI - Mr Mitchell Murphy Level 4, 73 Walker Street

North Sydney NSW 2060

mitchell.murphy@lciconsultants.com.au

City of Sydney has been advised that you have placed an enquiry through the Dial Before You Dig service. Our records indicate the enquiry with the following details are affecting City of Sydney asset(s) as per the attached plans.

Enquiry Details	
Sequence Number	92610821
Enquiry Date	27/11/2019 16:27
Response	AFFECTED
Address	296 Pitt Street Sydney
Location in Road	CarriageWay,Footpath
Activity	Mechanical Excavation

It is important to read and understand all the information and disclaimers provided below and the responsibilities outlined in the attachment prior to commencing work(s)

Due to the nature and the age of assets and records, the accuracy and/or completeness of the information in the attached plan(s) cannot be guaranteed. The City does not make any representation or give any guarantee, warranty or undertaking as to the accuracy, currency, completeness, effectiveness or reliability of the information.

Plan(s) are indicative only and all information needs to be verified through field survey including the use of appropriately qualified personnel and equipment.

This information has been generated by an automated system based on the information specified by the Enquirer. It is the Enquirer's responsibility to ensure that the work site has been properly identified and is accurately reflected in the information provided by the City. If the information does not match the work site, resubmit your enquiry for the correct site.

To the extent of any inconsistency, the information contained in this document will prevail over any other information provided to you by the City and Dial Before You Dig.



Duty of Care

When working in the vicinity of City Assets you have a "duty of care" that must be observed.

Works or proposed works should be planned to allow for minimal impact and appropriate protection of City Assets.

Locating Assets

It is the Enquirer's responsibility to:

- Request plans of City Assets for a particular location at a reasonable time before work begins. If
 you have any doubts as to the exact location of City Assets, we strongly recommend that you
 engage the service of a suitably qualified locator; and
- Visually locate City Assets. For buried assets this should be done by hand digging or using nondestructive methods such as water jetting (pot holing) where construction activities may damage or interfere with City Assets.

Damage of Assets

Damage to City Assets must be reported immediately to 02 9265 9333 or council@cityofsydney.nsw.gov.au anytime, any day.

Enquirers and other parties undertaking works will be held responsible for all damage that occurs or impacts City Assets as a result of the works. This includes interfering with City Assets, conducting unauthorised modification works and interfering with City Assets in a way that prevents the City or a third party from accessing or using City Assets in the future.

The City reserves all rights to recover compensation for any Loss (including consequential losses).

Relevant Approvals

Relevant approval must be obtained prior to commencement of works on or near City Assets. The Enquirer is responsible to ensure that all requisite approvals have been obtained prior to works and that all works are undertaken in accordance with the requirements of any approval.

There is a variety of legislation, regulation and City policies that govern requirements for approval to install or modify City Assets. These requirements will also vary depending on the type of asset. Additional guidance may be provided in subsequent sections of this document. This is intended for guidance purposes only and is not comprehensive. It should also be acknowledged that standards may vary from time to time and the information supplied regarding approvals or standards may be out of date or superseded.



User Risk

The Enquirer acknowledges that they use the information at their own risk. In consideration of the information provided by the City to the fullest extent permitted by law:

- All conditions and guarantees concerning the information (whether as to quality, outcome, fitness, care, skill or otherwise) expressed or implied by statute, common law, equity, trade, custom or usage or otherwise are expressly excluded. To the extent that those statutory guarantees cannot be excluded, the liability of the City to the Enquirer is limited to the supplying of the information again;
- In no event will the City be liable for, and the Enquirer releases the City from, any Loss arising from or in connection with the information, including the use of or inability to use the information and delay in the provision of the information;
- The Enquirer will indemnify the City against any Loss arising from or in connection with the information and the works; and
- The Enquirer assumes all risks associated with the use of the Dial Before You Dig and City
 websites, including risk to the Enquirer's computer, software or data being damaged by any virus,
 and release and discharge the City from all Loss which might arise in respect of your use of the
 websites.

Glossary

"City" means The Council of the City of Sydney.

"City Assets" mean those items that are under the ownership, care or control of the City

"Enquirer" is the person(s) or organisation(s) requesting or using the information.

"Loss" includes any loss, cost, expense, claim, liability or damage (including arising in connection with personal injury, death or any damage to or loss of property and economic or consequential loss, lost profits, loss of revenue, loss of management time, opportunity costs or special damages).

If you have any further enquiries in regards to assets affected in this referral, please contact the following:

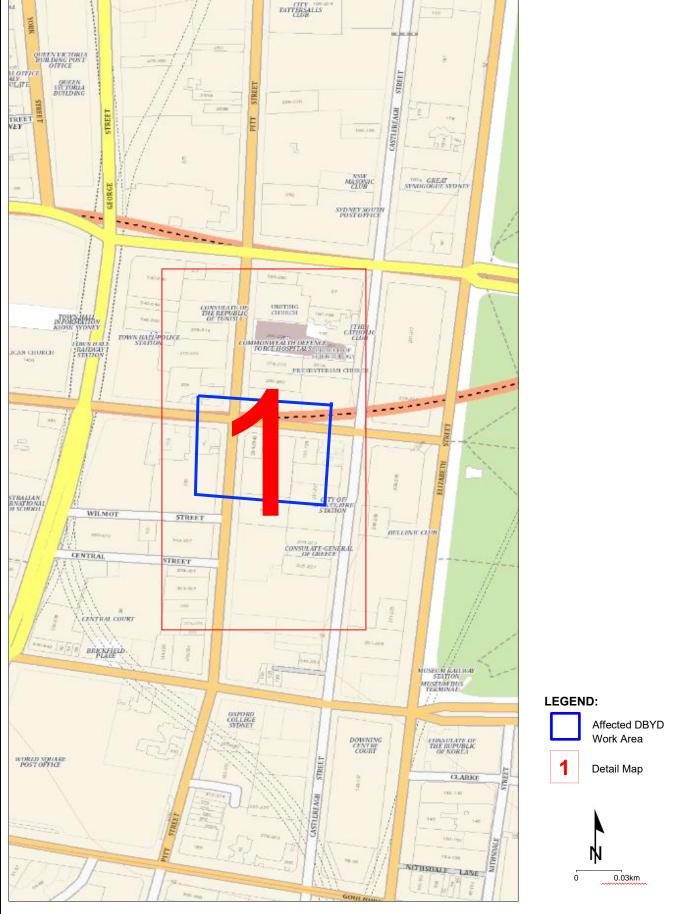
- For Survey Infrastructure contact Don Urquhart or Paul Corry via email <u>Surveyors@cityofsydney.nsw.gov.au</u> or phone: (02) 9265 9333.
- For <u>Stormwater</u> contact Peter Garland or Shah <u>Alam</u> via email <u>Stormwater@cityofsydney.nsw.gov.au</u> or phone (02) 9265 9333.
- For Electrical contact Frank Morosin or Malik Huda via email Electrical@cityofsydney.nsw.gov.au or phone (02) 9265 9333.



Overview Map

Sequence No: 92610821

296 Pitt Street Sydney



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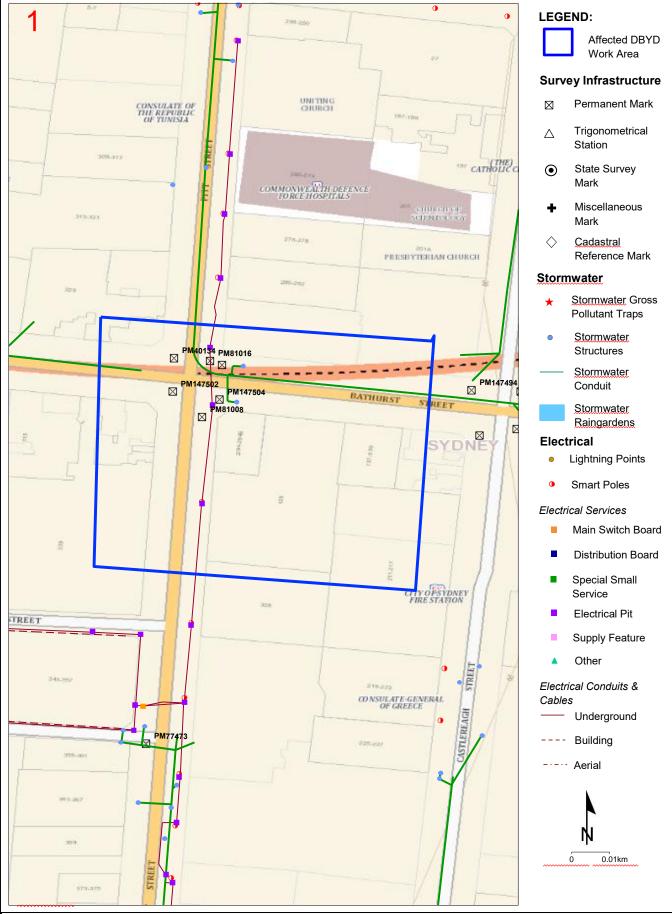
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SVUNEY (S

Map 1

Sequence No: 92610821

296 Pitt Street Sydney



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City of Sydney Town Hall House 456 Kent Street Sydney NSW 2000

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Electrical Assets – Cables, Conduits, Lights & Poles

<u>Attention</u>: You must read and understand the information below prior to commencement of design or construction works on affected sites

Asset Ownership

Electrical assets within the City's local government area are owned by a number of organisations including Ausgrid, Roads and Maritime Services and other public or private entities. The City provides available information on electrical assets owned only by the City Of Sydney. The City does not explicitly or implicitly provide information on electrical assets owned by other entities.

Combined Electrical Networks

There are a number of electrical networks that supply City assets within the City's local government area. These assets are owned by Ausgrid and are not depicted on City plans. Information within these drawings may have to be read in conjunction with Ausgrid drawings to determine the connectivity between Council and Ausgrid assets.

Data limitations

Diagrammatic information regarding the existence of electrical assets is provided in accordance with the conditions and limitations stated in the City's documentation. It is the responsibility of the Enquirer to undertake appropriate site investigations to confirm details such as asset existence, ownership, location, type, dimensions, and levels.

The City has not undertaken survey to determine the position of its assets in relation to property boundaries. It is the responsibility of the Enquirer to ascertain the position of electrical assets in relation to property boundaries.

Electrical Services

Electrical Services such as switchboards, special small services, pits, or distribution boards can be impacted by construction at significant distances from these assets. It is the responsibility of the Enquirer to ensure that construction activity does not impact electrical assets.



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Survey Infrastructure – Permanent Survey Marks

<u>Attention</u>: You must read and understand the information below prior to commencement of design or construction works on affected sites

Important

Due to the nature and the age of Survey Infrastructure and records, the accuracy and/or completeness of the City's information cannot be guaranteed. The City does not make any representation or give any guarantee, warranty or undertaking as to the accuracy, currency, completeness, effectiveness or reliability of the information.

You should still undertake a thorough site examination for visible structures through field survey including the use of appropriately qualified personnel and equipment.

This information has been generated by an automated system based on the information specified by the Enquirer. It is the Enquirer's responsibility to ensure that the work site has been properly identified and is accurately reflected in the information provided by the City. If the information does not match the work site, resubmit your enquiry for the correct site.

To the extent of any inconsistency, the information contained in this document will prevail over any other information provided to you by the City and Dial Before You Dig.

Asset Ownership

Survey Infrastructure assets within the City's local government area have been placed by a number of organisations including Federal, State & Local Government bodies and other public or private entities. The City provides available information on Survey Infrastructure assets irrespective of ownership. The City does not explicitly or implicitly claim to own all assets indicated on the plans.

Identification

Mapped Survey Infrastructure within the City is typically a "Permanent Survey Mark" as prescribed in Schedule 4 of the Surveying & Spatial Information Regulation 2017 and may take one of three forms:

- A numbered brass disc set into concrete in the kerb, gutter or footpath (Type 1 or Type 2 State Survey Mark [SSM])
- A stainless steel pin or brass bolt set into concrete under a numbered steel cover box in the footpath or carriageway (Type 4 Urban Type [also known as PM])
- A small stainless steel disc and pin set into concrete in the kerb, gutter or footpath (Type 15 State Survey Mark [SSM Urban])

Sample images are included at the end of this form to aid identification.

If any such mark identified on the supplied mapping cannot be found on site please notify Surveyors@cityofsydney.nsw.gov.au prior to commencing work for further assistance.

In addition to mapped Survey Infrastructure, there may be unmapped marks and/or cadastral reference marks in one of the forms prescribed in Schedules 2 and 3 of the Surveying & Spatial Information Regulation 2017. These are shown on Deposited Plans available from NSW Land & Registry Services.



Legal Obligations

All Survey Infrastructure (including cadastral reference marks) are protected under Section 24 of the Surveying & Spatial Information Act 2002 and penalties may be levied for unlawful damage or destruction. For further details visit http://spatialservices.finance.nsw.gov.au/.

Clearances

Due to the nature of Survey Infrastructure and its sensitivity to disturbance, the following minimum clearances must be adhered to:

- 1000mm when operating pneumatic tools (jackhammers, vibrating plates etc.)
- 1500mm when operating mechanical excavators

Duty of Care

You must inspect your site for and identify existing Survey Infrastructure prior to commencement of works. You should divert any works to avoid disturbing them. If Survey Infrastructure is still at risk of being disturbed or destroyed, then in accordance with the Surveying & Spatial Information Act 2002, you must engage a registered surveyor to undertake necessary works as per Surveyor General's Direction No.11 "Preservation of Survey Infrastructure".

Further to this, in the case of City alignment marks, the Survey Infrastructure may then need to be reinstated by the City's Surveyors and a fee will be charged in accordance with the City's Fees and Charges.

Damage to Mapped Survey Infrastructure

Damage to mapped Survey Infrastructure must be reported immediately to 02 9265 9333 or council@cityofsydney.nsw.gov.au anytime, any day.

Enquirers and other parties undertaking works will be held responsible for all damage that occurs or impacts Survey Infrastructure as a result of the works. This includes interfering with Survey Infrastructure and conducting unauthorised modification works.

The City reserves all rights to recover compensation for any Loss (including consequential losses).

Relevant Approvals

Relevant approval must be obtained prior to commencement of works on or near Survey Infrastructure. The Enquirer is responsible to ensure that all requisite approvals have been obtained prior to works and that all works are undertaken in accordance with the requirements of any approval.

There is a variety of legislation, regulation and City policies that govern requirements for approval to install, remove or modify Survey Infrastructure. These requirements will also vary depending on the type of asset. Additional guidance may be provided in subsequent sections of this document. This is intended for guidance purposes only and is not comprehensive. It should also be acknowledged that standards may vary from time to time and the information supplied regarding approvals or standards may be out of date or superseded.

User Risk

The Enquirer acknowledges that they use the information at their own risk. In consideration of the information provided by the City to the fullest extent permitted by law:

- all conditions and guarantees concerning the information (whether as to quality, outcome, fitness, care, skill or otherwise) expressed or implied by statute, common law, equity, trade, custom or usage or otherwise are expressly excluded. To the extent that those statutory guarantees cannot be excluded, the liability of the City to the Enquirer is limited to the supplying of the information again;
- in no event will the City be liable for, and the Enquirer releases the City from any Loss arising from or in connection with the information, including the use of or inability to use the information and delay in the provision of the information;
- the Enquirer will indemnify the City against any Loss arising from or in connection with the information and the works; and
- the Enquirer assumes all risks associated with the use of the Dial Before You Dig and City websites, including risk to the Enquirer's computer, software or data being damaged by any virus, and release and discharge the City from all Loss which might arise in respect of your use of the websites.

Glossary

"City" means The Council of the City of Sydney

"Enquirer" is the person(s) or organisation(s) requesting or using the information.

"Loss" includes any loss, cost, expense, claim, liability or damage (including arising in connection with personal injury, death or any damage to or loss of property and economic or consequential loss, lost profits, loss of revenue, loss of management time, opportunity costs or special damages).

"Survey Infrastructure" means any mark of the types described in Schedules 2, 3 and 4 of the Surveying & Spatial Information Regulation 2017

"Permanent Survey Mark" means any mark of the types described in Schedule 4 of the Surveying & Spatial Information Regulation 2017

References

Surveying & Spatial Information Act 2002

http://www.legislation.nsw.gov.au/#/view/act/2002/83

Surveying & Spatial Information Regulation 2017

https://www.legislation.nsw.gov.au/#/view/regulation/2017/486

NSW Land & Registry Services website

http://www.nswlrs.com.au/

NSW Spatial Services website

http://spatialservices.finance.nsw.gov.au/

Surveyor General's Directions No.11 "Preservation of Survey Infrastructure"

http://spatialservices.finance.nsw.gov.au/ data/assets/pdf file/0005/217094/SG Direction 11.pdf

City of Sydney Revenue Policy – Fees & Charges

http://www.cityofsydney.nsw.gov.au/ data/assets/pdf file/0015/301515/Fees-and-charges.pdf

Sample Identification Images





1) SSM52691 – Newtown

2) SSM49303 - Alexandria







4) PM54382 – Alexandria

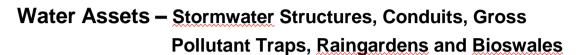


5) Cover Box - Darlinghurst

EUFSYDNEY

City of Sydney Town Hall House 456 Kent Street Sydney NSW 2000

Telephone +61 2 9265 9333 Fax +61 2 9265 9222 council@cityofsydney.nsw.gov.au GPO Box 1591 Sydney NSW 2001 cityofsydney.nsw.gov.au



<u>Attention:</u> You must read and understand the information below prior to commencement of design or construction works on affected sites

Important

Due to the nature and the age of <u>stormwater</u> assets and records, the accuracy and/or completeness of the City's information cannot be guaranteed. The City does not make any representation or give any guarantee, warranty or undertaking as to the accuracy, currency, completeness, effectiveness or reliability of the information.

You should still undertake a thorough site examination for visible structures through field survey including the use of appropriately qualified personnel and equipment.

This information has been generated by an automated system based on the information specified by the Enquirer. It is the Enquirer's responsibility to ensure that the work site has been properly identified and is accurately reflected in the information provided by the City. If the information does not match the work site, resubmit your enquiry for the correct site.

To the extent of any inconsistency, the information contained in this document will prevail over any other information provided to you by the City and Dial Before You Dig.

Asset Ownership

Stormwater assets within the City's local government area are owned by a number of organisations including Sydney Water Corporation, Roads and Maritime Services and other public or private entities. The City provides available information on stormwater assets irrespective of ownership. The City does not explicitly or implicitly claim to own all stormwater assets indicated on the plans.

Combined Storm/Sewer systems

There are a number of legacy combined stormwater/sewer systems within the City's local government area. These assets are owned by Sydney Water Corporation and are not depicted on City plans. Information regarding combined Storm/Sewers should be obtained from Sydney Water Corporation.

Data limitations

Diagrammatic information regarding the existence of <u>stormwater</u> assets is provided in accordance with the conditions and limitations stated in the City's documentation. It is the responsibility of the Enquirer to undertake appropriate site investigations to confirm details such as asset existence, ownership, location, type, dimensions, and levels.





The City has not undertaken survey to determine the position of its assets in relation to property boundaries. It is the responsibility of the Enquirer to ascertain the position of stormwater assets in relation to property boundaries.

Stormwater Quality Assets

Stormwater quality devices such as Gross Pollutant Traps, Raingardens and Bioswales can be impacted by construction at significant distances from these assets through actions such as insufficient erosion and sediment control. It is the responsibility of the Enquirer to ensure that construction activity does not impact stormwater quality assets.

Duty of Care

When working in the vicinity of <u>stormwater</u> assets, you have a "duty of care" that must be observed.

Works or proposed works should be planned to allow for minimal impact and appropriate protection of <u>stormwater</u> assets.

Locating Stormwater Assets

It is the Enquirer's responsibility to:

- Request plans of <u>stormwater</u> assets for a particular location at a reasonable time before work begins. If you have any doubts as to the exact location of <u>stormwater</u> assets, we strongly recommend that you engage the service of a suitably qualified locator; and
- Visually locate <u>stormwater</u> assets. For buried assets this should be done by hand digging or using non-destructive methods such as water jetting (pot holing) where construction activities may damage or interfere with stormwater assets.

Damage of Assets

Damage to <u>stormwater</u> assets must be reported immediately to the owner of the <u>stormwater</u> asset. For City owned <u>stormwater</u> assets, please contact 02 9265 9333 or council@cityofsydney.nsw.gov.au <u>anytime</u>, any day.

Enquirers and other parties undertaking works will be held responsible for all damage that occurs or impacts <u>stormwater</u> assets as a result of the works. This includes interfering with <u>stormwater</u> assets and conducting unauthorised modification works.

The City reserves all rights to recover compensation for any Loss (including consequential losses).

Relevant Approvals

Relevant approval must be obtained prior to commencement of works on or near stormwater assets. The Enquirer is responsible to ensure that all requisite approvals have been obtained prior to works and that all works are undertaken in accordance with the requirements of any approval.

city of Villages

User Risk

The Enquirer acknowledges that they use the information at their own risk. In consideration of the information provided by the City to the fullest extent permitted by law:

- All conditions and guarantees concerning the information (whether as to quality, outcome, fitness, care, skill or otherwise) expressed or implied by statute, common law, equity, trade, custom or usage or otherwise are expressly excluded. To the extent that those statutory guarantees cannot be excluded, the liability of the City to the Enquirer is limited to the supplying of the information again;
- In no event will the City be liable for, and the Enquirer releases the City from any Loss arising from or in connection with the information, including the use of or inability to use the information and delay in the provision of the information;
- The Enquirer will indemnify the City against any Loss arising from or in connection with the information and the works: and
- The Enquirer assumes all risks associated with the use of the Dial Before You Dig and City websites, including risk to the Enquirer's computer, software or data being damaged by any virus, and release and discharge the City from all Loss which might arise in respect of your use of the websites.

Glossary

"City" means The Council of the City of Sydney.

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"Loss" includes any loss, cost, expense, claim, liability or damage (including arising in connection with personal injury, death or any damage to or loss of property and economic or consequential loss, lost profits, loss of revenue, loss of management time, opportunity costs or special damages).

city of Villages



Network Protection

Assets Affected

In reply to your enquiry, there are gas mains at the location of your intended work as per the attached map. For an explanation of the map, please see the key below. The following excavation guidelines apply.

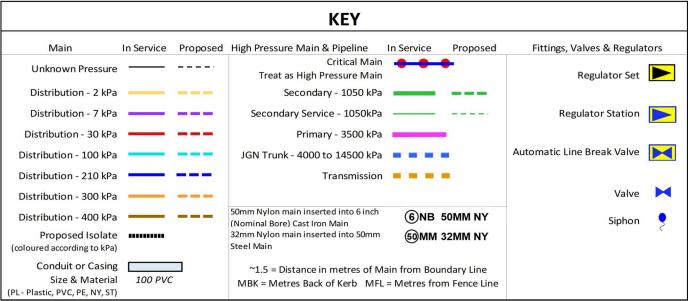
Excavation Guidelines:

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

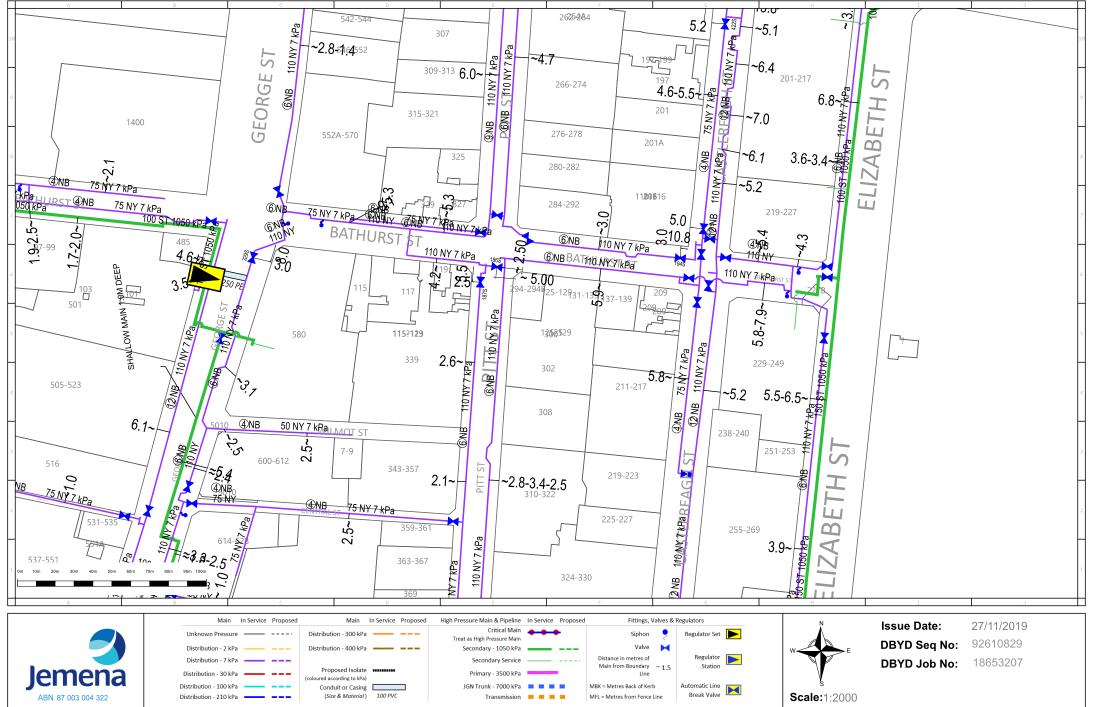




Warning: The enclosed plans show the position of Jemena Gas Networks (NSW) Ltd's underground gas mains and installations in public gazetted roads only. Individual customers' services and services belonging to other third parties are not included on these plans. These plans have been prepared solely for 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 <u>Jemena</u>, 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





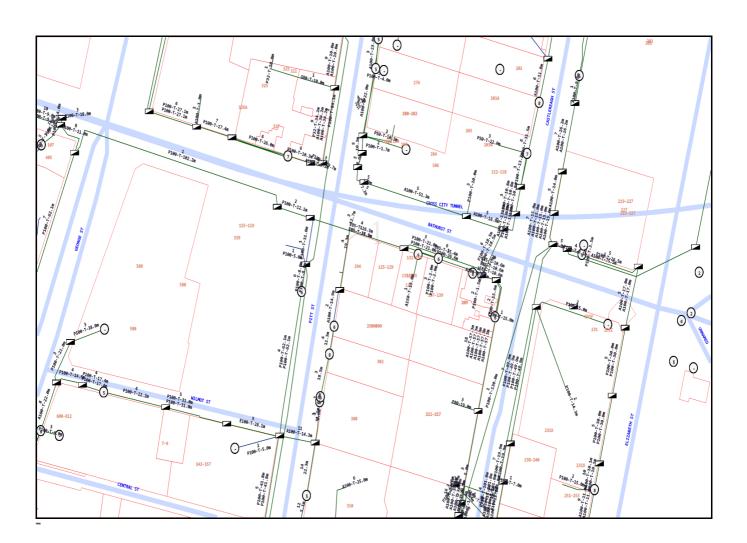
Indicative Plans

Issue Date:	27/11/2019	DIAL BEFORE
Location:	296 Pitt Street , Sydney , NSW , 2000	VOU DIG www.1100.com.au
		_
	1	
	1	



+	LEGEND nbn (i)		
34	Parcel and the location		
3	Pit with size "5"		
QE)	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.		
	Manhole		
\otimes	Pillar		
PO - T- 25.0m P40 - 20.0m	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.		
3 1 9	2 Direct buried cables between pits of sizes ,"5" and "9" are 10.0m apart.		
- 9 - -	Trench containing any INSERVICE/CONSTRUCTED (Copper/RF/Fibre) cables.		
- 9 9	Trench containing only DESIGNED/PLANNED (Copper/RF/Fibre/Power) cables.		
- 9 - -9	Trench containing any INSERVICE/CONSTRUCTED (Power) cables.		
BROADWAY ST	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 **nbn™** network that you are/become aware of. Notification may be by telephone - 1800 626 329.



To: Mr Mitchell Murphy

Phone: Not Supplied Fax: Not Supplied

Email: mitchell.murphy@lciconsultants.com.au

Dial before you dig Job #:	18653207	DIAL BEFORE
Sequence #	92610832	YOU DIG
Issue Date:	27/11/2019	www.1100.com.au
Location:	296 Pitt Street , Sydney , NSW , 2000	Some impact. No onsite action required.

Information

The area of interest requested by you contains one or more assets.

nbn Assets	Search Results
Communications	Asset identified
Electricity	No assets

In this notice **NBN Facilities** means underground fibre optic, telecommunications and/or power facilities, including but not limited to cables, owned and controlled by **nbn**

Location of Underground Power Facilities

We thank you for your enquiry. In relation to your enquiry at the above address:

- **nbn's** records indicate that there **ARE nbn** Facilities in the vicinity of the location identified above ("Location").
- **nbn** indicative plan/s are attached with this notice ("Indicative Plans").
- The Indicative Plan/s show general depth and alignment information only and are not an exact, scale or accurate depiction of the location, depth and alignment of **nbn** Facilities shown on the Plan/s.
- In particular, the fact that the Indicative Plans show that a facility is installed in a straight line, or at uniform depth along its length cannot be relied upon as evidence that the facility is, in fact, installed in a straight line or at uniform depth.
- You should read the Indicative Plans in conjunction with this notice and in particular, the notes below.
- You should note that, at the present time, the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables. As such, consistent with the notes below, particular care must be taken by you to make your own enquiries and investigations to precisely locate any power cables and manage the risk arising from such cables accordingly.
- The information contained in the Indicative Plan/s is valid for 28 days from the date of issue set out



above. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators at your cost to locate **nbn** Facilities during any activities you carry out on site).

We thank you for your enquiry and appreciate your continued use of the Dial Before You Dig Service. If you are planning to excavate and require further information, please contact **nbn** on 1800 626 329. For any enquiries related to moving assets or Planning and Design activities, please visit the **nbn** Commercial Works website to complete the online application form.

Notes:

- 1. You are now aware that there are **nbn** Facilities in the vicinity of the above property that could be damaged as a result activities carried out (or proposed to be carried out) by you in the vicinity of the Location.
- 2. You should have regard to section 474.6 and 474.7 of the *Criminal Code Act 1995* (CoA) which deals with the consequences of interfering or tampering with a telecommunications facility. Only persons authorised by nbn can interact with nbn's network facilities.
- 3. Any information provided is valid only for 28 days from the date of issue set out above.

Referral Conditions

The following are conditions on which **nbn** provides you with the Indicative Plans. By accepting the plans, you are agreeing to these conditions. These conditions are in addition, and not in replacement of, any duties and obligations you have under applicable law.

- 1. **nbn** does not accept any responsibility for any inaccuracies of its plans including the Indicative Plans. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators at your expense to locate **nbn** Facilities during any activities you carry out on site).
- 2. You acknowledge that **nbn** has specifically notified you above that the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables.
- 3. You should not assume that **nbn** Facilities follow straight lines or are installed at uniformed depths along their lengths, even if they are indicated on plans provided to you. Careful <u>onsite</u> investigations are essential to locate the exact position of cables.
- 4. In carrying out any works in the vicinity of **nbn** Facilities, you must maintain the following minimum clearances:
 - 300mm when laying assets inline, horizontally or vertically.
 - 500mm when operating vibrating equipment, for example: jackhammers or vibrating plates.
 - 1000mm when operating mechanical excavators.
 - Adherence to clearances as directed by other asset owner's instructions and take into account any uncertainty for power cables.
- 5. You are aware that there are inherent risks and dangers associated with carrying out work in the vicinity of underground facilities (such as **nbn** fibre optic,copper and coaxial cables,and power cable feed to **nbn** assets). Damage to underground electric cables may result in:
 - Injury from electric shock or severe burns, with the possibility of death.
 - Interruption of the electricity supply to wide areas of the city.
 - Damage to your excavating plant.
 - Responsibility for the cost of repairs.
- 6. You must take all reasonable precautions to avoid damaging **nbn** Facilities. These precautions may include but not limited to the following:
 - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to



minimise the likelihood of damage to the cable, for example: the blades of hand equipment should be aligned parallel to the line of the cable rather than digging across the cable.

- If any undisclosed underground cables are located, notify **nbn** immediately.
- All personnel must be properly briefed, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment.
- The safety of the public and other workers must be ensured.
- All excavations must be undertaken in accordance with all relevant legislation and regulations.
- 7. You will be responsible for all damage to **nbn** Facilities that are connected whether directly, or indirectly with work you carry out (or work that is carried out for you or on your behalf) at the Location. This will include, without limitation, all losses expenses incurred by **nbn** as a result of any such damage.
- 8. You must immediately report any damage to **nbn™** network that you are/become aware of. Notification may be by telephone 1800 626 329.
- 9. Except to the extent that liability may not be capable of lawful exclusion, **nbn** and its servants and agents and the related bodies corporate of **nbn** and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any plans(including Indicative Plans) attached hereto. Except as expressly provided to the contrary in this information sheet or the attached plans(including Indicative Plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

All works undertaken shall be in accordance with all relevant legislations, acts and regulations applicable to the particular state or territory of the Location. The following table lists all relevant documents that shall be considered and adhered to.

State/Territory	Documents
	Work Health and Safety Act 2011
	Work Health and Safety Regulations 2011
National	Safe Work Australia - Working in the Vicinity of Overhead and Underground
	Electric Lines (Draft)
	Occupational Health and Safety Act 1991
	Electricity Supply Act 1995
NSW	Work Cover NSW - Work Near Underground Assets Guide
	Work Cover NSW - Excavation Work: Code of Practice
VIC	Electricity Safety Act 1998
VIC	Electricity Safety (Network Asset) Regulations 1999
QLD	Electrical Safety Act 2002
QLD	Code of Practice for Working Near Exposed Live Parts
SA	Electricity Act 1996
TAS	Tasmanian Electricity Supply Industry Act 1995
WA	Electricity Act 1945
VVA	Electricity Regulations 1947
NT	Electricity Reform Act 2005
"	Electricity Reform (Safety and Technical) Regulations 2005
ACT	Electricity Act 1971

Thank You,

Network Operations Centre - Assurance



Date: 27/11/2019

This document is provided for information purposes only. This document is subject to the information classification set out on this page. If no information classification has been included, this document must be treated as UNCLASSIFIED, SENSITIVE and must not be disclosed other than with the consent of nbn co. The recipient (including third parties) must make and rely on their own inquiries as to the currency, accuracy and completeness of the information contained herein and must not use this document other than with the consent of nbn co.

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nbn has partnered with Dial Before You Dig to give you a single point of contact to get information about **nbn** underground services owned by **nbn** and other utility/service provider in your area including communications, electricity, gas and other services. Contact with underground power cables and gas services can result in serious injury to the worker, and damage and costly repairs. You must familiarise yourself with all of the Referral Conditions (meaning the referral conditions referred to in the DBYD Notice provided by **nbn**).

Practice safe work habits

Once the DBYD plans are reviewed, the Five P's of Excavation should be adopted in conjunction with your safe work practices (which must be compliant with the relevant state Electrical Safety Act and Safe Work Australia "Excavation Work Code of Practice", as a minimum) to ensure the risk of any contact with underground **nbn** assets are minimised.



Plan: Plan your job ensuring the plans received are current and apply to the work to be performed. Also check for any visual cues that may indicate the presence of services not covered in the DBYD plans.



Prepare: Prepare for your job by engaging a DBYD qualified Plant Locator to help interpret plans and identify on-site assets. Contact nbn should you require further assistance.



Pothole: Nondestructive potholing (i.e. hand digging or hydro excavation) should be used to positively locate **nbn** underground assets with minimal risk of contact and service damage.



Protect: Protecting and supporting the exposed **nbn** underground asset is the responsibility of the worker. Exclusion zones for **nbn** assets are clearly stated in the plan and appropriate controls must be implemented to ensure that encroachment into the exclusion zone by machinery or activities with the potential to damage the asset is prevented.



Proceed: Proceed only when the appropriate planning, preparation, potholing and protective measures are in place.

Working near **nbn**™ cables





Identify all electrical hazards, assess the risks and establish control measures.



When using excavators and other machinery, also check the location of overhead power lines.



Workers and equipment must maintain safety exclusion zones around power lines.

Once all work is completed, the excavation should be re-instated with the same type of excavated material unless specified by **nbn**. Please note:

- Construction Partners of **nbn** may require additional controls to be in place when performing excavation activities.
- The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

Contact

In the event of the **nbn**™ network facility damage please call 1800 626 329

Disclaimer

This brochure is a guide only. It does not address all the matters you need to consider when working near our cables. You must familiarise yourself with other material provided (including the Referral Conditions) and make your own inquiries as appropriate.

nbn will not be liable or responsible for any loss, damage or costs incurred as a result of reliance on this brochure

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Plant Location Details



Nextgen Networks Pty Ltd

Level 6, 333 Collins Street

E Damage.Relocations@vocus.com.au

Melbourne VIC 3000 T 1800 032 532

27/11/2019

Mr Mitchell Murphy LCI Level 4, 73 Walker Street North Sydney NSW 2060 Phone: 0417 219 235

Fax: Not Supplied

Dear Mr Mitchell Murphy

The following is a response to your Dial Before You Dig enquiry

Assets Affected: Nextgen Assets

Sequence No: 92610824

Location: 296 Pitt Street, Sydney NSW 2000

IMPORTANT:

- Please read and understand all the information and disclaimers provided below
- Sketches and Plans provided by Nextgen Networks are circuit diagrams only and indicate the presence of telecommunications plant in the general vicinity of the geographical area shown; exact ground cover and alignments cannot be given with any certainty and cover may alter over time. Telecommunications plant seldom follow straight lines and careful on site investigation is essential to uncover and reveal its exact position
- The accuracy and/or completeness of the information in the plans can not be guaranteed often due
 to changes in the surrounding land subsequent to <u>Nextgen's</u> deployment and, accordingly the plans
 are intended to be indicative only

"DUTY OF CARE"

When working in the vicinity of telecommunications plant you have a legal "Duty of Care" that must be observed. The following points must be considered:

- 1. 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 Nextgen Networks plant. Nextgen Networks will provide free plans and sketches showing the presence of its network to assist at this design stage.
- 2. It is the owner's (or constructor's) responsibility to:
 - a) Request plans of <u>Nextgen</u> Networks plant for a particular location at a reasonable time before construction begins
 - b) Visually locate <u>Nextgen</u> Networks plant by vacuum excavation (pot-holing) where construction activities may damage or interfere with <u>Nextgen</u> Networks plant (see "Essential Precautions and Approach Distances" section for more information)
 - c) Contact Nextgen Networks Network (see below for details) if Nextgen Networks plant is wholly or partly located near planned construction activities

DAMAGE

ANY DAMAGE TO Nextgen Networks NETWORK MUST BE REPORTED TO 1800 032 532 IMMEDIATELY

- The owner is responsible for all plant damage when works commence prior to obtaining Nextgen Networks plans, or failure to follow agreed instructions
- Nextgen Networks reserves all rights to recover compensation for lose or damage to its cable network or other property including consequential losses

CONCERNING NEXTGEN NETWORK PLANS

- Phone 1100. Dial Before You Dig for free plans of <u>Nextgen</u> Networks plant locations. Please give at least 2 business days notice
- Nextgen Networks plans and information provided are valid for 30 days from the date of issue
- Nextgen Networks retains copyright in all plans and details provided in conjunction with your request. These plans and or details should be disposed of by shredding or any other secure disposal method after use
- Nextgen Networks plans or other details are provided for the use of the applicant, its servants, or agents, and shall not be used for any unauthorised purpose
- Please contact the Network Help Desk (see below for details) immediately should you locate Nextgen Networks assets not indicated on these plans
- Nextgen Networks, its servants or agents shall not be liable for any loss or damage caused or
 occasioned by the use of plans and or details so supplied to the applicant, its servants and agents,
 and the applicant agrees to indemnify Nextgen Networks against any claim or demand for any
 such loss or damage
- Please ensure <u>Nextgen</u> Networks plans and information provided remains on-site at all times throughout your construction phase

ESSENTIAL PRECAUTION AND APPROACH DISTANCE

NOTE: If the following clearances cannot be maintained, please contact the Nextgen Network Help Desk (see below for details) for advice on how best to resolve this situation

- 1. On receipt of plans and sketches and before commencing excavation work or similar activities near Nextgen Networks plant, carefully locate this plant first to avoid damage. Undertake prior exposure (vacuum excavation) such as potholing when intending to excavate or work closer to Nextgen Networks plant than the following approach distances:
- Where <u>Nextgen</u> Networks 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
- In country/rural areas which may have wider variations in reasonably presumed plant presence, the following minimum approach distances apply:
 - d) Parallel to major plant: 10 metres (for optic fibre cable)
 - e) Parallel to other plant: 5 metres

Note: Even pot-holing needs to be undertaken with extreme care, common sense and employing techniques least likely to damage cables. For example - vacuum excavation.

- If construction work is parallel to <u>Nextgen</u> Networks plant, then careful pot-holing at least every 5m is required to establish the location of all plant, hence continuing nominal locations before work can commence
- 2. Maintain the following minimum clearance between construction activity and actual location of Nextgen Networks Plant.

Jackhammers/Pneumatic Breakers	Not within 1.0m of actual locations
Vibrating Plate or Wackers Packer Compactors	Not within 0.5m of Nextgen Networks ducts 300mm compact clearance cover before compactor can be used across Nextgen Networks ducts, and 600mm clearance across Nextgen Networks cables in the solid
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 Nextgen Networks ducts with less than 600mm cover. Not to be driven across Nextgen Networks fibre with less than 1.2m cover Constructor to vacuum excavate(pot-hole) and expose plant
Mechanical Excavators, Boring and Tree Removal	Not within 1.0m of actual location Constructor to vacuum excavate (pot-hole) and expose plant

- All <u>Nextgen</u> Networks pits and manholes should be a minimum of 1.2m in from the back of kerb after the completion of your work
- All <u>Nextgen</u> Networks conduit should have the following minimum depth of cover after the completion of your work:

Footway 450mm Roadway 450mm at drain invert and 600mm below the pavement <u>subgrade</u> level invert

• All Nextgen Networks fibre in the solid should have the following minimum depth of cover after the completion of your work:

Footway 600mm Roadway 1200mm at drain invert and 1200mm below the pavement subgrade level invert

• For clearance distances relating to <u>Nextgen</u> Networks above ground infrastructure please contact the Network Help Desk (see below for details)

FURTHER ASSISTANCE

Over-the-phone assistance can be obtained by calling the Network Help Desk below.

Nextgen require 5 clear business days notice to conduct an on-site location. The initial on site location visit will not normally incur a charge, but at the discretion of <u>Nextgen</u> subsequent site visits may incur a charge to be applied at an hourly rate.

Where an on-site location is provided, the owner is responsible for all vacuum excavation work (pot-holing) to visually locate and expose <u>Nextgen</u> Networks plant.

If plant location plans or visual location of <u>Nextgen</u> Networks plant by vacuum excavation reveals that the location of <u>Nextgen</u> Networks plan is situated wholly or partly where the owner plans to work, then <u>Nextgen</u> <u>Networks</u> must be contacted through the <u>Network Help Desk</u> to discuss possible engineering solutions.

The contact number for the **Network Help Desk** is 1800 032 532.

NOTE:

If Nextgen Networks relocation or protection works are part of the agreed solution, then payment to Nextgen Networks for the cost of this work shall be the responsibility of the principal developer. The principal developer will be required to provide Nextgen Networks with the details of their proposed work showing how Nextgen Networks plant is to be accommodated and these details must be approved by the Nextgen National Operations Manager prior to the commencement of site works.

RURAL LANDOWNER - IMPORTANT INFORMATION

Where Nextgen Networks owned cable crosses agricultural land Nextgen Networks will provide a one off free-on-site electronic cable location. Please note that the exact location of cables can only be verified by visual proving by pot holing, which is not covered by this service. The Network Integrity HelpDesk Officer will provide assistance in determining whether a free-on-site location is required. Please ring the Nextgen Network Help Desk as listed above.

PRIVACY NOTE

Your information has been provided to <u>Nextgen</u> Networks by DBYD to enable <u>Nextgen</u> Networks to respond to your DBYD request. <u>Nextgen</u> Networks keeps your information in accordance with its privacy statement entitled <u>'Protecting</u> Your Privacy' which can be obtained from <u>Nextgen</u> Networks either by calling 1800 032 532 or visiting our website <u>www.nextgengroup.com.au</u>

Warning: Nextgen Networks plans show only the presence of cables and plant. They only show their position relative to road boundaries, property fences etc, at the time of installation and Nextgen Networks does not warrant or hold out that such plans are accurate thereafter due to changes that may occur over time.

DO NOT ASSUME DEPTH OR ALIGNMENT of cables or plant as these vary significantly. The customer has A DUTY OF CARE when excavating near Nextgen Networks cables and plant. Before using machine excavators NEXTGEN PLANT MUST FIRST BE PHYSICALLY EXPOSED BY VACUUM EXCAVATION (potholing) to identify its location.

<u>Nextgen</u> Networks will seek compensation for damages caused to its property and losses caused to <u>Nextgen</u> Networks and its customers.

EXPERIENCED PLANT LOCATORS (for your area)

On-site assistance should be sought from an Experienced Plant Locater if the telecommunications plant cannot be located within 2.5 metres of the locations indicated on the drawings provided. On-site advice should be obtained from a suitably qualified contractor highly skilled in locating Nextgen Networks plant. If there is any doubt whatsoever about the actual location of the telecommunications plant, the best method for locating the telecommunications plant or the correct interpretation of the drawings provided. In the case where Nextgen Networks plant is outside a recognised road reserve Nextgen Networks recommends that the **Network Help Desk** is contacted for assistance prior to engaging an Experienced Plant Locater.

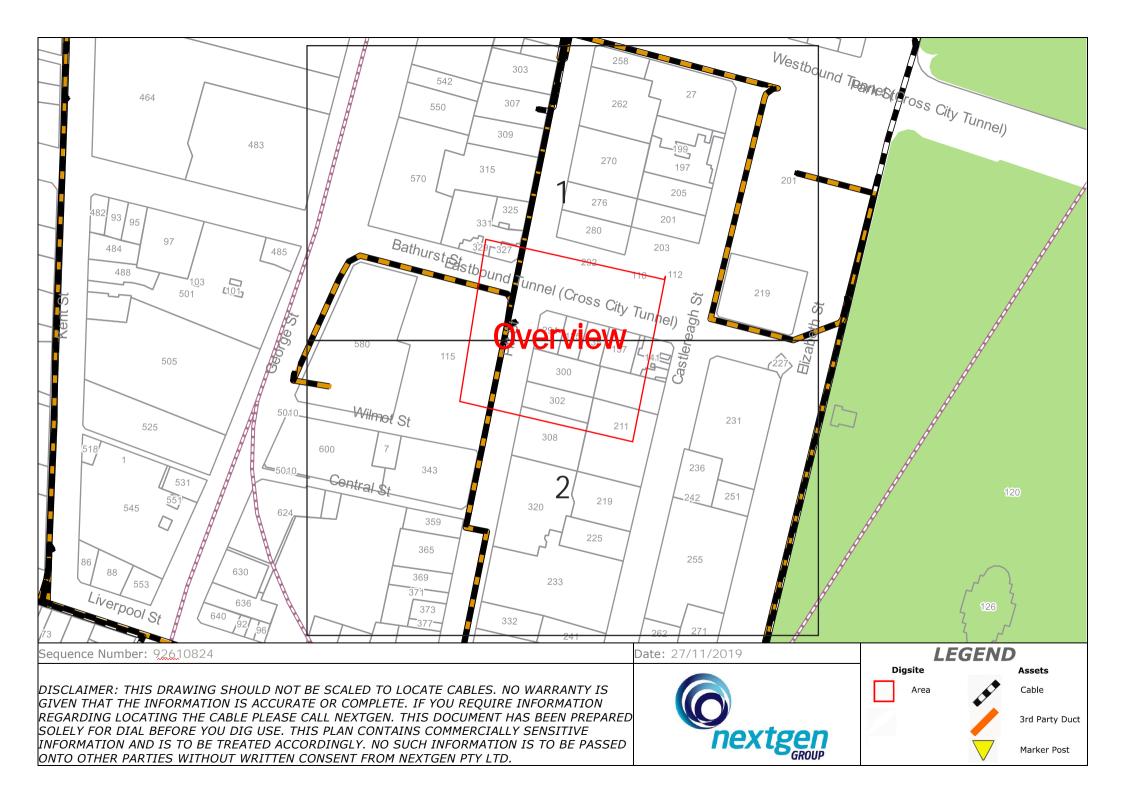
For the assistance of customers <u>Nextgen</u> Networks has established strict criteria to assess the skill of contractors that may be engaged by owners requiring <u>Nextgen</u> Networks plant locating services to perform any of the following activities if requested to do so by the owner:

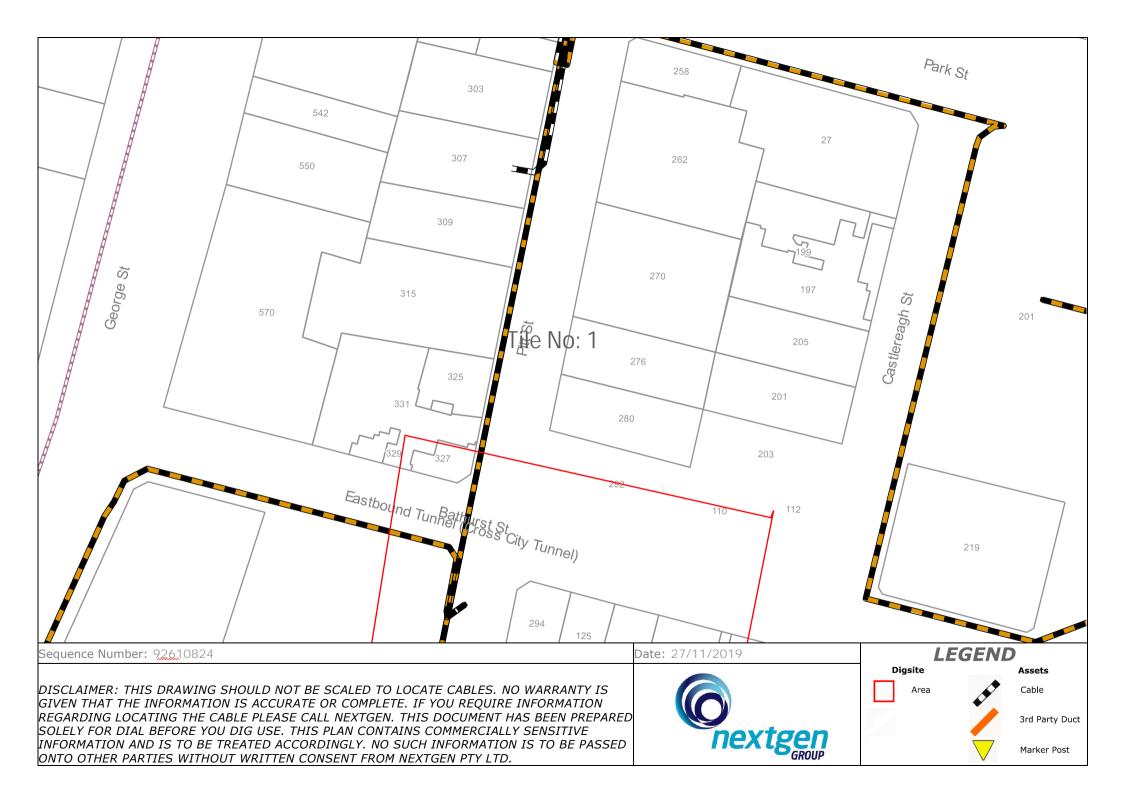
- Review Nextgen Networks plans to assess the approximate location of Nextgen Networks plant
- Advise owners of the approximate location of Nextgen Networks plant according to the plans
- Advise the owners of the best method for locating Nextgen Networks plant
- Advise owners of the hazard of unqualified persons attempting to find the exact location of <u>Nextgen</u> Networks plant and working in the vicinity of <u>Nextgen</u> Networks plant without first locating its exact position
- Perform trial hole explorations by vacuum excavation (pot-holing) to expose <u>Nextgen</u>
 Networks plant with a high degree of skill, competence and efficiency and utilising all necessary safety equipment

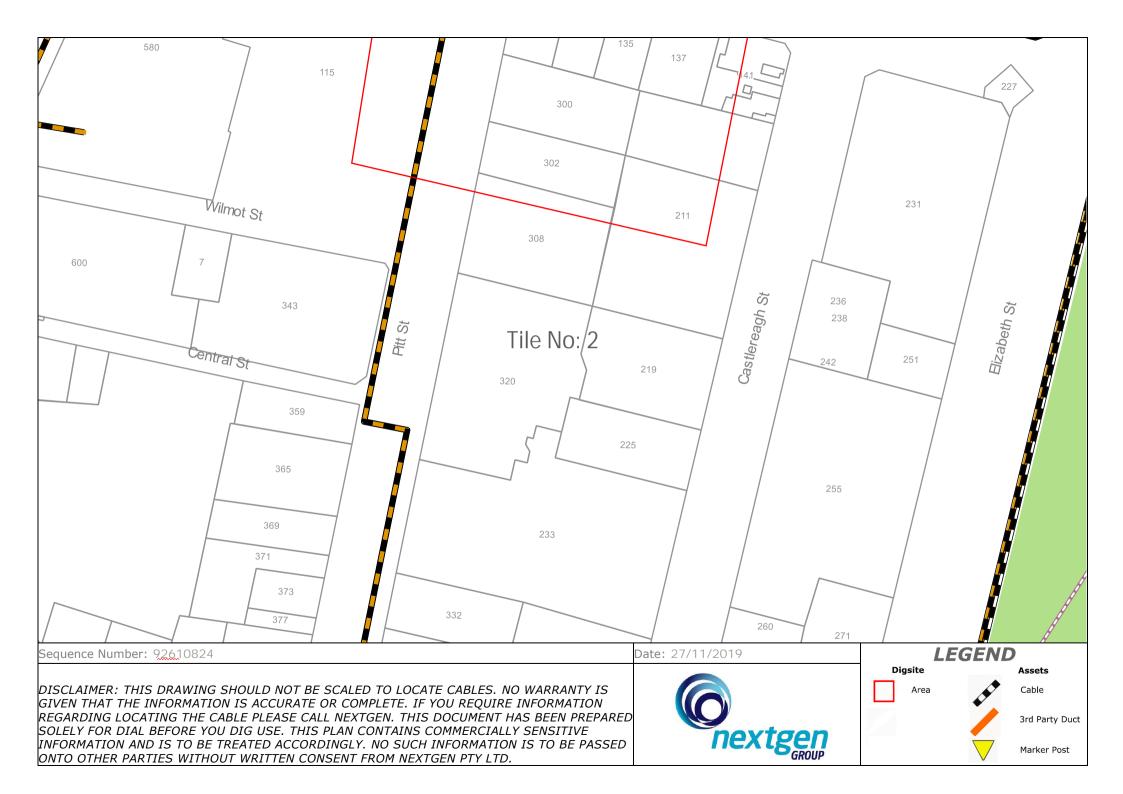
<u>Nextgen</u> Networks does not accept any liability or responsibility for the performance of or advice given by any Plant Locater engaged by you but we will, if requested, recommend suitably qualified plant locators.

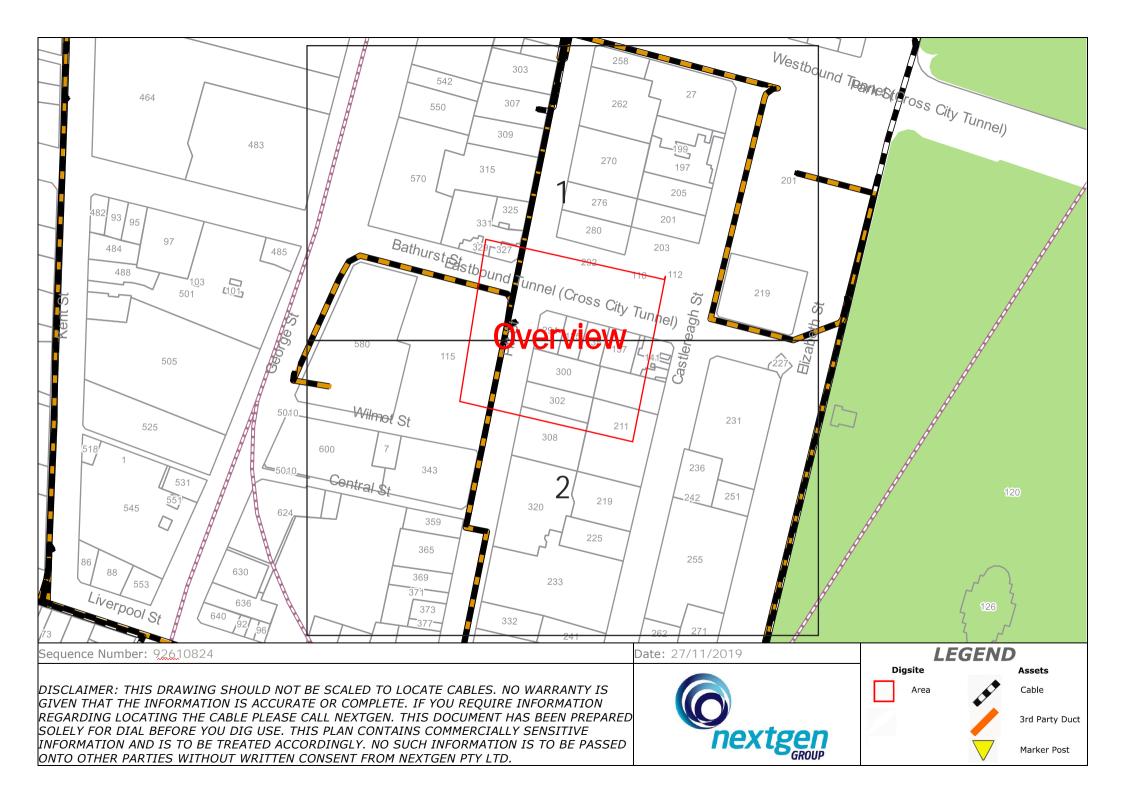
GENERAL DISCLAIMER

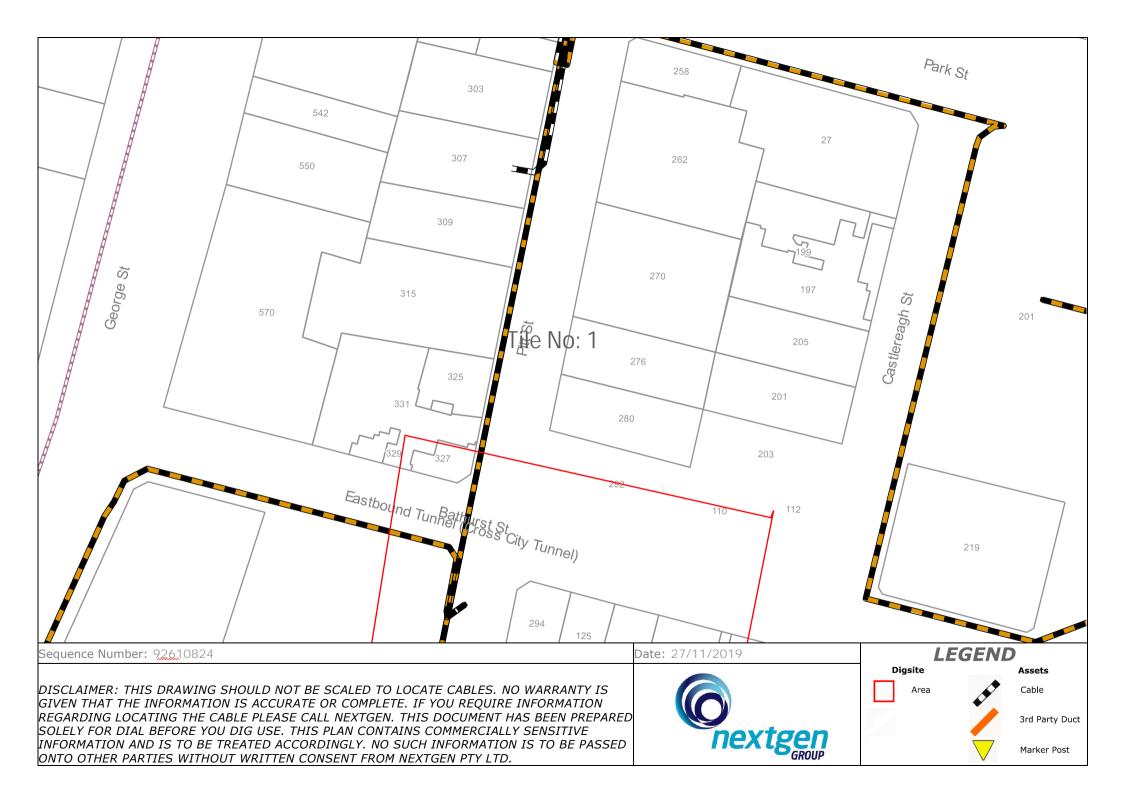
While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither <u>Nextgen</u> or <u>PelicanCorp</u> shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

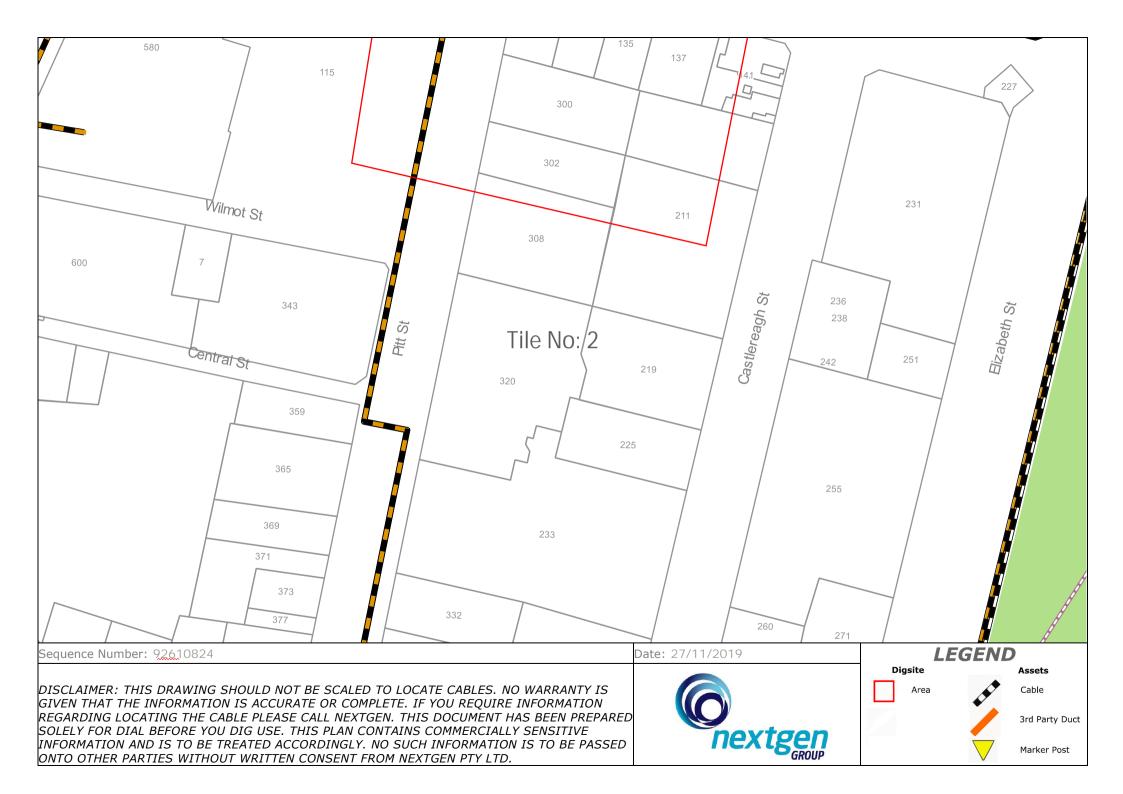












To: Mr Mitchell Murphy

Level 4, 73 Walker Street North Sydney, NSW, 2060



Uecomm Pty Limited ABN 56 079 083 195

Building 8, 658 Church St, Richmond, VIC 3121 Ph: (03) 9221 4100 Fax: (03) 9221 4193

Ah: 1800 707 447

LOCATION OF UNDERGROUND FIBRE OPTIC CABLE INFORMATION SHEET

IMPORTANT: PLEASE READ ALL INFORMATION AND CONDITIONS BELOW AND THE NOTICE ON THE REVERSE SIDE OF THE PLAN/S.

"Dial Before You Dig" Sequence No 92610828 Customer ID 2203048

Issue Date: 27/11/2019

Issue Bv:

Location: 296 Pitt Street, Sydney, NSW 2000

Map Ref: 236D12

Uecomm Asset Location No. 92610828 Dial Before You Dig Job No. 18653207

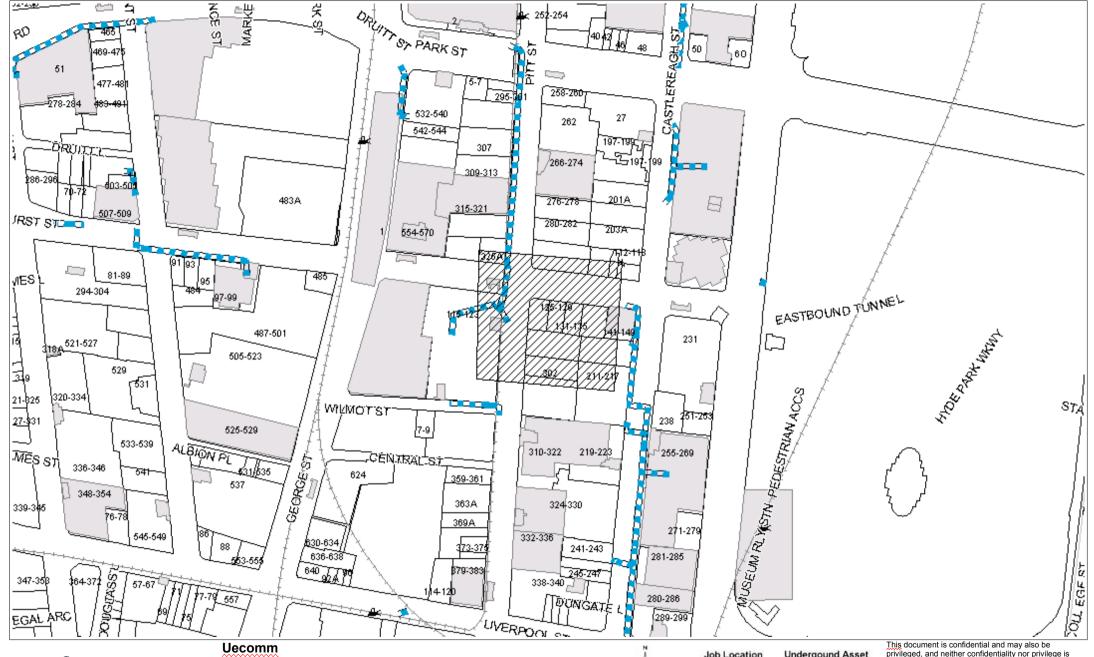
In relation to your enquiry at the above address, <u>Uecomm</u> advises as follows:

The records of <u>Uecomm</u> Limited disclose that there ARE underground FIBRE OPTIC / TELECOMMUNICATIONS cables in the vicinity of the above enquiry as per attached plan/s.

- The underground cables referred to in this advice are defined as the underground communications cables owned or controlled by Uecomm Pty Limited.
- The person/company responsible for submitting the inquiry should take care to ensure all plans listed above have been received. For any plan listed above but not received please contact 1800 707 447.
- Any information provided is valid only for **30 days** from the date of issue set out above.
- If the work operations extends beyond this period, or if the designs are altered in any way, you are requested to resubmit your proposal for reassessment.
- Further assistance may be obtained if necessary by telephoning 1800 707 447.

PLEASE READ ALL INFORMATION AND DISCLAIMERS BELOW:

- 1. Due to the nature of underground cables and the age of some cables and records, it is impossible to conclusively ascertain the location of all cables. The accuracy and/or completeness of the information cannot be guaranteed and, accordingly, they are intended to be indicative only and, as a result, <u>yecomm</u> does not accept any responsibility for any inaccuracies of its plans. They should not be solely relied upon when undertaking underground works. It is also inaccurate to assume that fibre optic cables follow straight lines and careful on-site investigations are essential to locate its exact position.
- 2. The following minimum clearances must be maintained:
 - 300mm when laying asset's inline, horizontal or vertical.
 - 500mm when operating vibrating equipment, e.g., jackhammers or vibrating plates.
 - 1000mm when operating mechanical excavators.
- 3. Due to the inherent dangers associated with excavation in the vicinity of underground cables, precautions should be taken in the undertaking of any underground works, including (but not limited to) the following:
 - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to minimise the likely hood of damage to the cable, e.g., blades of hand equipment should be orientated parallel to the line of the cable rather than digging across the cable.
 - If any undisclosed underground cables are located, Uecomm Limited should be notified immediately.
 - All personnel must be properly briefed, particularly those associated with the use of earthmoving equipment, trenching, boring and pneumatic equipment.
 - All excavations must be undertaken in accordance with the relevant legislation and regulations.



Printed On: 27/11/2019



Cable <u>Uecomm</u> Underground

Scale: #INSERT MAP SCALE#

Sequence Number: 92610828 Location: 296 Pitt Street



Undergound Asset

Inis document is confidential and may also be privileged, and neither confidentiality nor privilege is waived lost or destroyed by virtue of it being transmitted to an incorrect addressee. Unauthorised use of the contents is therefore strictly prohibited. Any information contained in this document that has been extracted from our records is believed to be accurate, but no responsibility is assumed for any error or omission.





Optus Contract Management Team Unit 9, 677 Springvale Road Mulgrave, Victoria, 3178

Date: 27/11/2019

To: Mr Mitchell Murphy

Company:

Address: Level 4, 73 Walker Street

North Sydney, NSW 2060

ENQUIRY DETAILS

Location: 296 Pitt Street, Sydney, NSW 2000

Sequence No.: 92610828 DBYD Reference: 18653207

In relation to your enquiry concerning the above location, Optus advises as follows:

Optus records indicate that there ARE underground Optus FIBRE OPTIC TELECOMMUNICATIONS ASSETS in the vicinity of the above location as per the attached drawing(s).

PLEASE NOTE THAT THE ASSETS IN THIS AREA ARE OF NATIONAL SIGNIFICANCE. Any interference with these assets has the potential to significantly disrupt communications in Australia and may be an offence under the Criminal Code Act 1995.

This reply is valid for a period of 30 days from the date above.

IMPORTANT INFORMATION

Asset location drawings provided by Optus are reference diagrams and are provided as a guide only. The completeness of the information in these drawings cannot be guaranteed. Exact ground cover and alignments cannot be provided with any certainty as these may have altered over time. Depths of telecommunications assets vary considerably as do alignments. It is essential to identify the location of any Optus assets in the vicinity prior to engaging in any works.

All Optus assets in the vicinity of any planned works will need to be electronically located to ascertain their general location. Depending on the scope of planned works in the vicinity, the assets may also need to be physically located.

You <u>MUST</u> engage the services of one of the <u>Optus</u> Asset Accredited Locators to carry out asset location (refer to list of Accredited Locators attached to this <u>DYBD</u> response).

Unless otherwise agreed with Optus, where an on-site asset location is required, the requestor is responsible for all costs associated with the locating service including (where required) physically exposing the Optus asset.

DUTY OF CARE

When working in the vicinity of telecommunications assets you have a legal "Duty of Care" and non-interference that must be observed.

It is your responsibility as the requesting party (as a landowner or any other party involved in the planned works) to design for minimal impact to any existing Optus asset. Optus can assist at the design stage through consultation.

It is also your, as the requesting party (or your representative's), responsibility to:

- a) Obtain location drawings (through the Dial Before You Dig process) of any existing Optus assets at a reasonable time before any planned works begin;
- b) Have an Optus Accredited Asset Locator identify the general location of the Optus asset and physically locate the asset where planned works may encroach on its alignment; and
- c) Contact Optus for further advice where requested to do so by this letter.

DAMAGE TO ANY OPTUS ASSET MUST BE REPORTED TO 1800 500 253 IMMEDIATELY

You, your head contractor and any relevant subcontractor are all responsible for any <u>Optus</u> asset damage as a result of planned activities in the vicinity of <u>Optus</u> assets.

This applies where works commence prior to obtaining Optus drawings, where there is failure to follow instructions or during any construction activities.

Optus reserves the right to recover compensation for loss or damage to its assets including consequential loss. Also, you, your head contractor and any relevant subcontractor may also be liable for prosecution under the Criminal Code Act 1995 (Cth).

ASSET RELOCATIONS

You are <u>not permitted</u> by law to relocate, alter or interfere with any <u>Optus</u> asset under any circumstance. Any unauthorised interference with an <u>Optus</u> asset may lead to prosecution under the Criminal Code Act 1995 (Cth).

Enquiries relating to the relocation of Optus assets must be referred to the relevant Optus Damages and Relocations Team (refer to "FURTHER ASSISTANCE").

APPROACH DISTANCES

On receipt of Optus asset location drawings and prior to commencing any planned works near an Optus asset, engage an Optus Accredited Locator to undertake a general location of the Optus asset.

Physical location of the Optus asset by an Optus Accredited Locator will also be required where planned works are within the following approach distances of the general location of the Optus asset:

- a) In built up metropolitan areas where road and footpaths are well defined by kerbs or other features a minimum clear distance of 1 meter must be maintained from the general location of the Optus asset.
- b) In non-established or unformed metropolitan areas, a minimum <u>clear distance of 3 meters</u> must be maintained from the general location of the <u>Optus</u> asset.
- c) In country or rural areas where wider variations may exist between the general and actual location of an Optus asset may exist, then a minimum clear distance of 5 meters must be maintained from the general location of the Optus asset.

If planned works are parallel to the <u>Optus</u> asset, then the <u>Optus</u> asset must be physically located by an <u>Optus</u> Accredited Locator at a <u>minimum of 5 meter intervals</u> along the length of the parallel works prior to work commencing.

<u>Under no circumstances</u> is crossing of any <u>Optus</u> asset permitted without physical location of the asset being carried out by an <u>Optus</u> Accredited Locator. Depending on the asset involved an <u>Optus</u> representative may be required <u>onsite</u>.

The minimum clearances to the physical location of Optus assets for the following specific types of works must be maintained at all times.

Note: Where the clearances in the following table cannot be maintained or where the type of work differs from those listed then advice must be sought from the relevant Optus Damages and Relocations Team (refer to "FURTHER ASSISTANCE").

Type of Works	Clearance to Physical Location of Optus Asset
Jackhammers / Pneumatic Breakers	Not within 1 meter.
Light duty Vibrating Plate or Wacker Packer type compactors (not heavy road construction vibrating rollers etc.)	500mm compact clearance cover before a light duty compactor can be used over any Optus conduit. No compaction permitted over Optus direct buried cable without prior approval from Optus.
Boring Equipment (in-line, horizontal and vertical)	Not within 5 meters parallel of the Optus asset location without an Accredited Optus Asset Locator physically exposing the Optus asset and with an Optus representative onsite. Not to cross the Optus asset without an Accredited Optus Asset Locator physically exposing the Optus asset and with an Optus representative onsite.

Type of Works	Clearance to Physical Location of Optus Asset			
Heavy vehicle Traffic (over 3 tonnes)	Not to be driven across Optus conduits with less than 600mm of cover. Not to be driven across Optus direct buried cable with less than 1.2 meters of cover.			
	Once off crossings permitted, multiple crossing (e.g. road construction or logging) will require Optus approval.			
	Accredited Optus Asset Locator to physically expose the Optus asset to verify actual depth.			
Mechanical Excavators, Farm Ploughing, Vertical Hole installation for water bore or fencing etc.	Not within 1 meter. Accredited Optus Asset Locator to physically expose the Optus asset to verify actual location.			

ASSET CLEARANCES AFTER COMPLETION OF WORKS

All Optus pits and manholes must be a minimum of 1 meter from the back of any kerb, 3.5 meters of the road surface without a kerb or not within 15 meters of street intersection.

In urban areas Optus conduit must have the following minimum depth of cover:

- Footway 600mm;
- Roadway 1 meter at drain invert and at road centre crown.

In rural areas Optus conduit must have a minimum depth of cover of 1 meter and direct buried cable 1.2 meters.

In cases where it is considered that the above clearances cannot be maintained at the completion of works, advice must be sought from the relevant Optus Damages and Relocations Team (refer "Further Assistance").

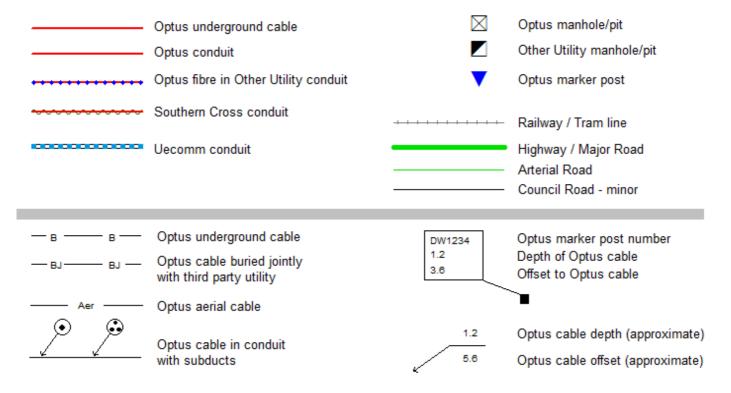
FURTHER ASSISTANCE

Further assistance on asset clearances, protection works or relocation requirements can be obtained by contacting the relevant Optus Damages and Relocations Team on the following email address:

NFODamages&RelocationsDropbox@optus.com.au

Further assistance relating to asset location drawings etc. can be obtained by contacting the Optus Network Operations Asset Analysis Team on 1800 505 777.

OPTUS ENGINEERING DRAWING SYMBOLS



OPTUS

Optus Accredited Asset Locators

Name	Company Name	Phone	Email	State	Region/Service Area
Alan Cordner	Alcom Fibre Services Pty Ltd	0400 300 337	alcomfibre@bigpond.com	NSW / ACT	Sydney
Brad McCorkindale	Bradmac Locating Services	0434 157 409	brad.mac@bigpond.com	NSW / ACT	All
Troy Redden	On Point Utility Locating	1300 6676 468	troy@onpointlocating.com.au	NSW	Sydney Only
Shane Buckley	Cable & Pipe Locations	0408 730 430	sabuckley@bigpond.com	NSW / QLD	Armidale, Casino, Coffs Harbour, Dorrigo, Glenn Innes, Grafton, Inverell, Kempsey, Lismore, Nambucca, Port Macquarie, Tamworth, Taree, Tenterfield, Yamba
Philip Pegler	Down Under Detection Services (DUDS)	0418 267 964	apegler@duds.net.au	NSW	All
Noreen Egan	SureSearch Underground Services	1300 884 520 0418 920 245	Noreen@suresearch.com.au	NSW / ACT / QLD	NSW, Sydney, Northern NSW, Canberra, QLD, South East QLD.
Leonard McGowan	Pipesure Australia	1300 411 811	len@pipesure.com.au	NSW	Sydney
Bruce Whittaker	Optical Fibre Technologies	0402 354 322	opticaltek1@aol.com	NSW	Sydney/Wollongong
Darryl Smith	Darryl Smith Electrical	02 6642 3731	office@dsmithelectrical.com.au	NSW	Grafton
George Koenig	Downunder Locations NSW Pty	0438 243 856	Downunderlocations@gmail.com	NSW	Tweed Heads, Gold Coast, Brisbane
Michael Grant	M&K Grant Bega Bobcats Pty Ltd	0427 260 423	zzbobcat@bigpond.net.au	NSW	Bega, Far South Coast
Antony Critcher	Geotrace Pty Ltd	0417 147 945	antony@geotrace.com.au	NSW	All Areas, Sydney, Wollongong, Newcastle, ACT

Anthony Lane	Hydro Digga	0447 774 000	locator@hydrodigga.com	NSW	All of NSW, ACT & South East Old
Grant Pearson	Australian Utilities Management Pty Ltd	0427 833 222	aine@ausutilities.net.au	NSW	Sydney Metro
Nathan Ellis	Utility Locating Services	0404 087 555	nathan@utilitylocatingservices.com.au	NSW	Sydney
Rodney Pullen	Provac	0450 268 012	rod@provac.net.au	NSW /QLD	South East QLD, Northern NSW
Rodney <u>Pullen</u>	One Find Cables	0451 268 012	rod@provac.net.au	NSW /QLD	South East QLD, Northern NSW
Drew Misko	Australian Subsurface Pty Ltd	0427 879 600	admin@australiansubsurface.com	NSW / ACT	All of NSW/ACT
Scott O'Malley	Coastal Cable Locators Pty Ltd	0427 975 777	skomalley@bigpond.com	NSW	South Coast- Snowy Mountains- Southern Highlands
Liam Bolger	Brandon Construction Services	0438 044 008	liam.bolger@hotmail.com	NSW	Bathurst, Orange, Dubbo
Brett Pickup	All About Pipes	02 8763 4200	Brett.Pickup@allaboutpipes.com.au	NSW / VIC	All
Karen Joyce	Durkin Construction Pty Ltd	02 9712 0308	karen@durkinconstruction.com.au	NSW	Sydney
Timothy Laidler	Locate & Map	0431 191 669	tim@locateandmap.com.au	NSW	Sydney, Central Coast
Ken <u>Brown</u>	Riteway Traffic Control Pty Ltd	0419 212 969	kbrowne@ritewaytc.com.au	NSW	Central Coast, Hunter
Walter R Johansen	Steger & Associates	02 6296 4089	enquiries@steger.com.au	ACT / NSW	Canberra
Jean- <u>Max</u> Monty	Civilscan	0416 068 060	civilscan@bigpond.com	NSW	Sydney – Central Coast – Newcastle – Wollongong – Hunter Valley – Blue Mountains
Alan Hunter	Hunter Ground Search	02 4953 1244 0418 684 819	huntergroundsearch@bigpond.com	NSW	Newcastle, Central Coast, Hunter Valley, Mid North Coast, Liverpool Plains, Central West NSW
Gilbert J Cook	Datateks Communications Specialists	0408 693 660	datateks@datateks.com.au	NSW	Southern NSW

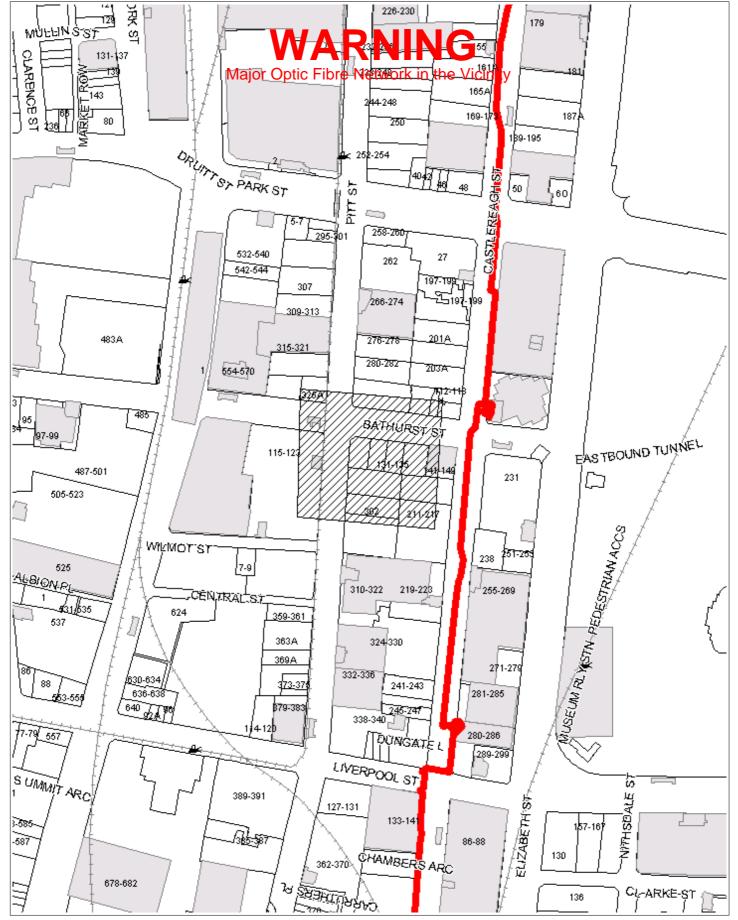
Damien Black	Mid North Coast Hydro Digging	0418 409 465	dblack1@bigpond.com	NSW	Newcastle –Foster –Taree -Wauchope -Port Macquarie -Kempsey -Coffs harbour
Sean <u>Henry</u>	Utility Mapping Pty Ltd	0428 229 919	sean@utilitymapping.com.au	NSW	Sydney
Daniel Fox	Epoca Environmental Pty Ltd	02 4739 2465 0433 100 642	daniel@epocaenvironmental.com.au	NSW	AII NSW, ACT
Rod Shaw	Cable Find	0478 887 073	rod@cablefind.com.au	NSW	Northern Rivers
Danny Carter	Online Pipe & Cable Locating	1300 665 384	danny@onlinepipe.com.au	NSW	Sydney, Newcastle, Canberra, Blue Mountains
Sam Romano	Locating Services	0403 065 510	sam.romano@locatingservices.com.au	NSW	NSW All
Scott Allison	Crux Surveying Australia	02 9540 9940	sydneyoffice@cruxsurveying.com.au	NSW	Sydney Metro & Surrounding Areas
Ian Brown	Peter Ellsmore & Associates	0439 423 708	ian.brown@ellsmore.com.au	NSW	Wollongong, Illawarra, South Coast, Southern Highlands, Macarthur & Sydney
Donna Wullaert	Commence Communications Pty Ltd	02 6226 3869 0428 595 620	admin@commencecomms.com.au	NSW	Canberra, Yass, Bungendore, Goulburn and Surrounding regional Areas
Stephen Fraser	Advanced Ground Locations	02 4930 3195 0412 497 488	steve_agl@hotmail.com	NSW	Newcastle, Hunter Valley, Central Coast, Taree & Surrounding Areas
Andrew Findlay	LiveLocates	0429 899 777	info@livelocates.com.au	NSW	South Coast/ACT, Snowy Mountains
Graeme Teege	Armidale Electrical	0456 294 384	office@armidale-electrical.com.au	NSW	Armidale
Myles <u>Green</u>	Australian Locating Services	1300 761 545	myles@locating.com.au	NSW	Sydney
Brett <u>Wallin</u>	Utility Scan	0426 354 051	brett@utilityscan.net	NSW	Sydney CBD and Regional areas
Daniel <u>Hudson</u>	One Search Locators	1300 530 420	daniel@onesearchlocators.com.au	NSW	All NSW, ACT
Tim Galaz	Utec Solutions	02 9389 0040	office@utecsolutions.com.au	NSW/QLD /VIC	All areas, NSW, QLD, VIC

Gary <u>Laneyrie</u>	Laneyrie Electrical	0412 079 079 0413 048 048	bindy@laneyieelectrical.com.au	NSW	Illawarra, South Coast, Hunter Region
Reece <u>Gainsford</u>	East Coast Locating Services	0431 193 111	eastcoastlocating@hotmail.com	NSW	Sydney, Maitland, Newcastle, Hunter, Port Stephens, Central Coast
Allan Clarke	The Control Group Pty Ltd	0421 960 017	allan@thecontrolgroup.com.au	NSW	Northern NSW
Simon Cook	Douglas Partners	0431 507 667	simon.cook@douglaspartners.com.au	NSW	NSW AII
Laurence Mead	Veris	0419 770 560	i.mead@veris.com.au	NSW	Sydney
Bobby Friesz	Vac Group Operations (T/A Earth Radar)	0447 837 267	Bobby.Friesz@vacgroup.com.au	NSW	Sydney
Chris Hall	D C Locators Pty Ltd	0419 679 741	dcloc@powerup.com.au	QLD	Brisbane, Ipswich
Jeff Trackson	J.R & L.M Trackson Pty Ltd	0417 600 978	jtrackson@tracavoid.com.au	QLD	All
Benji Lee	LADS	0478 915 237	benji@ladsqld.com.au	QLD	South East QLD
Andrew Watson	Lambert Locations Pty Ltd	07 5562 8400	admin@lambertlocations.com.au	QLD	South East QLD & Northern NSW
Ross Clarke	FNQ Cable Locators Pty Ltd	0428 775 655	onlineco@bigpond.net.au	QLD	Far North QLD, Cape York & Peninsula
Col Greville	Bsure Locators	0488 520 688	admin@bsurelocators.com.au	QLD	Wide Bay Burnett and Central
Mikael White	All Asset Locations	0478 846 025	allassetlocations@gmail.com	QLD	Sunshine Coast
Andrew Cowan	VAC Group Operations (T/A Earth Radar)	0447 008 806	andrew.cowan@vacgroup.com.au	QLD	South East and Central QLD
Jimmy Wilkins	GeoRadar Australia	0425 677 227	jimmy@georadar.net.au	QLD	Emerald, Bundaberg
Beaumont Blake	PipeHawk CCTV	0435 558 533	accounts@pipehawkcctv.com.au	QLD	South East QLD & Northern NSW
Craig Waite	<u>C</u> Locate	0437 808 444	clocate@bigpond.com	QLD	South East QLD
QLD Operations	Utility Location Services	0499 775 095 07 3807 3552	qldops@utilitylocationservices.com.au	QLD	SouthEast QLD, Northern NSW
Andrew Watson	RPS AUS East	0408 839 723	andrew.watson@rpsgroup.com.au	QLD	Brisbane
Sean Henry	Utility Mapping Pty Ltd	0428 229 919	sean@utilitymapping.com.au	QLD	All

Jenny Dziduch	1300 Locate Pty Ltd	1300 562 283	admin@1300locate.com.au	QLD	All Queensland, Northern NSW
Sam <u>Hazel</u>	Utility ID Underground Service Locators	0401 202 515	sam@utilityid.com.au	QLD	Southern QLD
Brendon Smith	Dynamic Hydro Excavations	1300 822 878	admin@dynamicexcavation.com.au	QLD	QLD, NSW, VIC
Marty <u>Carlson</u>	Surveywerx Pty Ltd	0488 842 110	mike@surveywerx.com	QLD	South East QLD
Adam <u>Lloyd</u>	Aussie HydroVac Services	07 3287 7818	adam.lloyd@aussiehydrovac.com.au	QLD	All
Gary Poppi	Ace Cable Locations	0431 517 837	garypoppi@bigpond.com	QLD	Wide Bay Burnett
Josh Taylor	Advanced Locations Victoria	0427 846 716	josh@advancedlocationsvic.com.au	<u>VIC</u>	All
Ben <u>Minutoli</u>	Geelong Cable Locations	1800 449 543	ben@geelongcablelocations.com.au	VIC	Melbourne, Geelong, Country Victoria
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David <u>Kelleher</u>	Construction Sciences	03 9553 7236	utilities@constructionsciences.net	VIC	Victoria
Stuart Miles	ELS Environmental Location Systems	03 8795 7461	accounts@radiodetection.com.au	VIC	Victoria
Darren <u>Dean</u>	Asset Survey Solutions	1300 035 796	darren.dean@assetsurvey.com.au	VIC	Victoria
Alex Jones	Utility Mapping Pty Ltd	0417 413 353	ajones@utilitymapping.com.au	VIC	
Adam <u>Linford</u>	Gippsland Pipe & Cable Locations	0409 386 817	gippspac@hotmail.com	VIC	Gippsland
Thomas <u>Pitt</u>	Access Utility Engineering (AUE)	03 9580 0440	info@accessue.com.au	VIC	Victoria
Bernie Acabal	Taylors Development Strategists	03 9501 2800 0419 758 794	b.acabal@taylorsds.com.au	VIC	Victoria
Philong Nguyen	Asset Detection Services Pty	0413 949 400	phi.nguyen@assetdetection.com.au	VIC	VIC, NSW, TAS All areas
Maurice Tobin	Drain Solutions	1300 546 348	info@drainsolutions.com.au	VIC	Melbourne Metro
Nathan Kelleher	Seeker Utility Engineering	0439 691 840	nathan.kelleher@seekerutility.com.au	VIC	Melbourne
Jeffrey Ramos	VAC Group Operations (T/A Earth Radar)	0436 635 011	Jeffrey.ramos@earthradar.com.au	VIC	All

Infrastructure Civil Services	Trenchless Pipelaying Contractors (TPC)	08 8376 5911	tpc@trenchlesspipelaying.com.au	SA	All
Sean Nemeth	Enerven Energy Infrustructure Pty Ltd	0488 167 772	sean.nemeth@enerven.com.au	SA	Adelaide
Galen Shanahan	Vac Group Operations (T/A Earth Radar)	0447 837 000	Galen.Shanahan@vacgroup.com.au	SA	All
Marilyn Dentice	Cable Locates & Consulting	08 9524 6600	accounts@cablelocates.com.au	WA	Metro & Country
Lisa Scofield	Abaxa	08 9256 0100	accounts@abaxa.com.au	WA	All
Derek McShane	Subterranean Service Locations	0420 862 426	Derek@sslwa.com.au	WA	Midwest/Gascoyne
Ben Upton	TerraVac Vacuum Excavation	0427 531 119	locations@terravac.com.au	WA	All
Dale Shearsmith	Subtera Subsurface Locating	1300 046 636	dale@subtera.com.au	WA	All
Liam Davies	Bunbury Telecom Service Pty Ltd	08 9726 0088	liam@btswa.com.au	WA	South West WA
Tammy Thorp	B.C.E Spatial	08 9364 6408	admin@bcespatial.com.au	WA	Perth Metro & Regional
Geoff Warren	Utility Mapping Pty Ltd	0472 815 238	gwarren@utilitymapping.com.au	WA	
Chris <u>Lee</u>	Pulse Locating	0437 289 861	enquiries@pulselocating.com.au	WA	Perth
Morgan O'Connor	Kier Contracting	1300 543 728	morgan@kier.com.au	<u>wa</u>	Perth Metro & Greater region, Regional WA
Nigel Nunn	CCS Group / Utility Locating Solutions	08 9385 5000	enquiry@ccswa.com.au	WA	Perth
Paul Stevenson	Geographe Underground Services	0427 523 811	paul.stevenson@geographeunderground.com.au	WA	All
Tim Daws	Award Contracting	0411 878 895	info@awardcontracting.com.au	WA	City & Regional
Dave <u>Turner</u>	Anywair Pipe & Cable	0418 890 071	dave@anywair.com.au	NT	AII NT, WA, QLD
Steve Gault	Northern Comms	0407 904 319	steve@northerncomms.net.au	NT	All
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Elizabeth Young	Archers Underground Services Locations (AUS Locations)	03 6245 1298	admin@auslocations.com.au auslocations@bigpond.com	TAS	All

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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: 92610828



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







Optus Contract Management Team Unit 9, 677 Springvale Road Mulgrave, Victoria, 3178

Date: 27/11/2019

To: Mr Mitchell Murphy

Company:

Address: Level 4, 73 Walker Street

North Sydney, NSW 2060

ENQUIRY DETAILS

Location: 296 Pitt Street, Sydney, NSW 2000

Sequence No.: 92610828 DBYD Reference: 18653207

In relation to your enquiry concerning the above location, Optus advises as follows:

Optus records indicate that there ARE underground Optus FIBRE OPTIC TELECOMMUNICATIONS ASSETS in the vicinity of the above location as per the attached drawing(s).

This reply is valid for a period of 30 days from the date above.

IMPORTANT INFORMATION

Asset location drawings provided by Optus are reference diagrams and are provided as a guide only. The completeness of the information in these drawings cannot be guaranteed. Exact ground cover and alignments cannot be provided with any certainty as these may have altered over time. Depths of telecommunications assets vary considerably as do alignments. It is essential to identify the location of any Optus assets in the vicinity prior to engaging in any works.

All Optus assets in the vicinity of any planned works will need to be electronically located to ascertain their general location. Depending on the scope of planned works in the vicinity, the assets may also need to be physically located.

You <u>MUST</u> engage the services of one of the <u>Optus</u> Asset Accredited Locators to carry out asset location (refer to list of Accredited Locators attached to this <u>DYBD</u> response).

Unless otherwise agreed with Optus, where an on-site asset location is required, the requestor is responsible for all costs associated with the locating service including (where required) physically exposing the Optus asset.

DUTY OF CARE

When working in the vicinity of telecommunications assets you have a legal "Duty of Care" and non-interference that must be observed.

It is your responsibility as the requesting party (as a landowner or any other party involved in the planned works) to design for minimal impact to any existing Optus asset. Optus can assist at the design stage through consultation.

It is also your, as the requesting party (or your representative's), responsibility to:

- a) Obtain location drawings (through the Dial Before You Dig process) of any existing Optus assets at a reasonable time before any planned works begin;
- b) Have an Optus Accredited Asset Locator identify the general location of the Optus asset and physically locate the asset where planned works may encroach on its alignment; and
- c) Contact Optus for further advice where requested to do so by this letter.

DAMAGE TO ANY OPTUS ASSET MUST BE REPORTED TO 1800 500 253 IMMEDIATELY

You, your head contractor and any relevant subcontractor are all responsible for any <u>Optus</u> asset damage as a result of planned activities in the vicinity of Optus assets.

This applies where works commence prior to obtaining Optus drawings, where there is failure to follow instructions or during any construction activities.

Optus reserves the right to recover compensation for loss or damage to its assets including consequential loss. Also, you, your head contractor and any relevant subcontractor may also be liable for prosecution under the Criminal Code Act 1995 (Cth).

ASSET RELOCATIONS

You are <u>not permitted</u> by law to relocate, alter or interfere with any <u>Optus</u> asset under any circumstance. Any unauthorised interference with an <u>Optus</u> asset may lead to prosecution under the Criminal Code Act 1995 (Cth).

Enquiries relating to the relocation of Optus assets must be referred to the relevant Optus Damages and Relocations Team (refer to "FURTHER ASSISTANCE").

APPROACH DISTANCES

On receipt of <u>Optus</u> asset location drawings and prior to commencing any planned works near an <u>Optus</u> asset, engage an <u>Optus</u> Accredited Locator to undertake a general location of the <u>Optus</u> asset.

Physical location of the Optus asset by an Optus Accredited Locator will also be required where planned works are within the following approach distances of the general location of the Optus asset:

- a) In built up metropolitan areas where road and footpaths are well defined by kerbs or other features a minimum <u>clear distance of 1 meter</u> must be maintained from the general location of the <u>Optus</u> asset.
- b) In non-established or unformed metropolitan areas, a minimum <u>clear distance of 3 meters</u> must be maintained from the general location of the <u>Optus</u> asset.
- c) In country or rural areas where wider variations may exist between the general and actual location of an Optus asset may exist, then a minimum <u>clear distance of 5 meters</u> must be maintained from the general location of the Optus asset.

If planned works are parallel to the <u>Optus</u> asset, then the <u>Optus</u> asset must be physically located by an <u>Optus</u> Accredited Locator at a <u>minimum of 5 meter intervals</u> along the length of the parallel works prior to work commencing.

<u>Under no circumstances</u> is crossing of any <u>Optus</u> asset permitted without physical location of the asset being carried out by an <u>Optus</u> Accredited Locator. Depending on the asset involved an <u>Optus</u> representative may be required <u>onsite</u>.

The minimum clearances to the physical location of <u>Optus</u> assets for the following specific types of works must be maintained at all times.

Note: Where the clearances in the following table cannot be maintained or where the type of work differs from those listed then advice must be sought from the relevant Optus Damages and Relocations Team (refer to "FURTHER ASSISTANCE").

Type of Works	Clearance to Physical Location of Optus Asset
Jackhammers / Pneumatic Breakers	Not within 1 meter.
Light duty Vibrating Plate or Wacker Packer type compactors (not heavy road construction vibrating rollers etc.)	500mm compact clearance cover before a light duty compactor can be used over any Optus conduit. No compaction permitted over Optus direct buried cable without prior approval from Optus.
Boring Equipment (in-line, horizontal and vertical)	Not within 5 meters parallel of the Optus asset location without an Accredited Optus Asset Locator physically exposing the Optus asset and with an Optus representative onsite. Not to cross the Optus asset without an Accredited Optus Asset Locator physically exposing the Optus asset and with an Optus representative onsite.

Type of Works	Clearance to Physical Location of Optus Asset			
Heavy vehicle Traffic (over 3 tonnes)	Not to be driven across Optus conduits with less than 600mm of cover. Not to be driven across Optus direct buried cable with less than 1.2 meters of cover. Once off crossings permitted, multiple crossing (e.g. road construction or logging) will require Optus approval.			
	Accredited Optus Asset Locator to physically expose the Optus asset to verify actual depth.			
Mechanical Excavators, Farm Ploughing, Vertical Hole installation for water bore or fencing etc.	Not within 1 meter. Accredited Optus Asset Locator to physically expose the Optus asset to verify actual location.			

ASSET CLEARANCES AFTER COMPLETION OF WORKS

All Optus pits and manholes must be a minimum of 1 meter from the back of any kerb, 3.5 meters of the road surface without a kerb or not within 15 meters of street intersection.

In urban areas Optus conduit must have the following minimum depth of cover:

· Footway 600mm;

Roadway 1 meter at drain invert and at road centre crown.

In rural areas Optus conduit must have a minimum depth of cover of 1 meter and direct buried cable 1.2 meters.

In cases where it is considered that the above clearances cannot be maintained at the completion of works, advice must be sought from the relevant Optus Damages and Relocations Team (refer "Further Assistance").

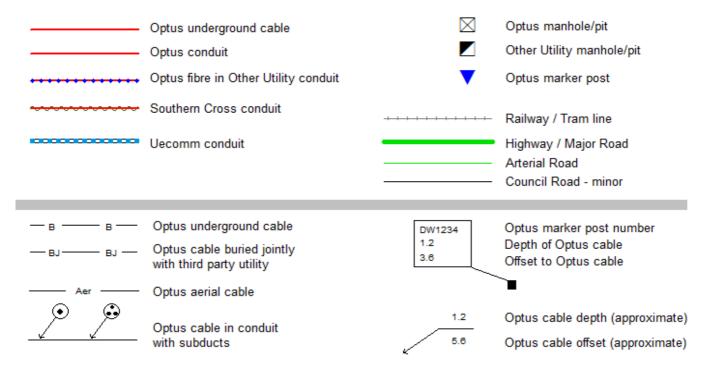
FURTHER ASSISTANCE

Further assistance on asset clearances, protection works or relocation requirements can be obtained by contacting the relevant Optus Damages and Relocations Team on the following email address:

NFODamages&RelocationsDropbox@optus.com.au

Further assistance relating to asset location drawings etc. can be obtained by contacting the Optus Network Operations Asset Analysis Team on 1800 505 777.

OPTUS ENGINEERING DRAWING SYMBOLS



OPTUS

Optus Accredited Asset Locators

Name	Company Name	Phone	Email	State	Region/Service Area
Alan Cordner	Alcom Fibre Services Pty Ltd	0400 300 337	alcomfibre@bigpond.com	NSW / ACT	Sydney
Brad McCorkindale	Bradmac Locating Services	0434 157 409	brad.mac@bigpond.com	NSW / ACT	All
Troy Redden	On Point Utility Locating	1300 6676 468	troy@onpointlocating.com.au	NSW	Sydney Only
Shane Buckley	Cable & Pipe Locations	0408 730 430	sabuckley@bigpond.com	NSW / QLD	Armidale, Casino, Coffs Harbour, Dorrigo, Glenn Innes, Grafton, Inverell, Kempsey, Lismore, Nambucca, Port Macquarie, Tamworth, Taree, Tenterfield, Yamba
Philip Pegler	Down Under Detection Services (DUDS)	0418 267 964	apegler@duds.net.au	NSW	All
Noreen Egan	SureSearch Underground Services	1300 884 520 0418 920 245	Noreen@suresearch.com.au	NSW / ACT / QLD	NSW, Sydney, Northern NSW, Canberra, QLD, South East QLD.
Leonard McGowan	Pipesure Australia	1300 411 811	len@pipesure.com.au	NSW	Sydney
Bruce Whittaker	Optical Fibre Technologies	0402 354 322	opticaltek1@aol.com	NSW	Sydney/Wollongong
Darryl Smith	Darryl Smith Electrical	02 6642 3731	office@dsmithelectrical.com.au	NSW	Grafton
George Koenig	Downunder Locations NSW Pty	0438 243 856	Downunderlocations@gmail.com	NSW	Tweed Heads, Gold Coast, Brisbane
Michael Grant	M&K Grant Bega Bobcats Pty Ltd	0427 260 423	zzbobcat@bigpond.net.au	NSW	Bega, Far South Coast
Antony Critcher	Geotrace Pty Ltd	0417 147 945	antony@geotrace.com.au	NSW	All Areas, Sydney, Wollongong, Newcastle, ACT

	1		1	_	
Anthony <u>Lane</u>	Hydro Digga	0447 774 000	locator@hydrodigga.com	NSW	All of NSW, ACT & South East Qid
Grant Pearson	Australian Utilities Management Pty Ltd	0427 833 222	aine@ausutilities.net.au	NSW	Sydney Metro
Nathan Ellis	Utility Locating Services	0404 087 555	nathan@utilitylocatingservices.com.au	NSW	Sydney
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Rodney <u>Pullen</u>	One Find Cables	0451 268 012	rod@provac.net.au	NSW /QLD	South East QLD, Northern NSW
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Liam Bolger	Brandon Construction Services	0438 044 008	liam.bolger@hotmail.com	NSW	Bathurst, Orange, Dubbo
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Timothy Laidler	Locate & Map	0431 191 669	tim@locateandmap.com.au	NSW	Sydney, Central Coast
Ken <u>Brown</u>	Riteway Traffic Control Pty Ltd	0419 212 969	kbrowne@ritewaytc.com.au	NSW	Central Coast, Hunter
Walter R Johansen	Steger & Associates	02 6296 4089	enquiries@steger.com.au	ACT / NSW	Canberra
Jean-Max Monty	Civilscan	0416 068 060	civilscan@bigpond.com	NSW	Sydney – Central Coast – Newcastle – Wollongong – Hunter Valley – Blue Mountains
Alan <u>Hunter</u>	Hunter Ground Search	02 4953 1244 0418 684 819	huntergroundsearch@bigpond.com	NSW	Newcastle, Central Coast, Hunter Valley, Mid North Coast, Liverpool Plains, Central West NSW
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Allan Clarke	The Control Group Pty Ltd	0421 960 017	allan@thecontrolgroup.com.au	NSW	Northern NSW	
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Tim Daws	Award Contracting	0411 878 895	info@awardcontracting.com.au	WA	City & Regional
Dave Turner	Anywair Pipe & Cable	0418 890 071	dave@anywair.com.au	NT	All NT, WA, QLD
Steve Gault	Northern Comms	0407 904 319	steve@northerncomms.net.au	NT	All
Wayne Parslow	Danisam	0417 089 865	danisam@westnet.com.au	NT	Darwin NT and Surrounds
Elizabeth Young	Archers Underground Services Locations (AUS Locations)	03 6245 1298	admin@auslocations.com.au auslocations@bigpond.com	TAS	All

Patrick Monaghn	Paneltec Group	0447 797 544	patrick@paneltec.com.au	TAS	All
Scott Richardson	AJ Water & Leak Detection	0457 710 680	admin@ajwater.com.au	TAS	All



WARNING: This document is confidential and may also be privileged. Confidentiality nor privilege is not waived or destroyed by virtue of it being transmitted to an incorrect addressee. Unauthorised use of the contents is therefore strictly prohibited. Any information contained in this document that has been extracted from our records is believed to be accurate, but no responsibility is assumed for any error or omission.

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: 92610828



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



Date Generated: 27/11/2019



- ELECTRICITY POLE

- - FIBRE OPTIC CABLE

--- - CABLE CONDUIT (TRENCHING)

.... - CABLE CONDUIT (BORE TUNNELLING)

• - UE P2 PIT

UE P5 PIT

- UE P6 PIT

- UE P8 PIT

UE P9 PIT

BL - BUILDING LINE BOK - BACK OF KERB

CL - CENTRELINE OF CONDUIT

TP - TURNING POINT OF CONDUIT

\---\- FENCE LINE, FL

- TELSTRA MANHOLE

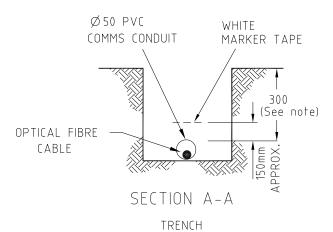
(T) - TELSTRA PIT

---- - OPTICAL FIBRE JOINT

JOINT LOOP (m) - POLE / UNDERGROUND

- CABLE HEAD POLE

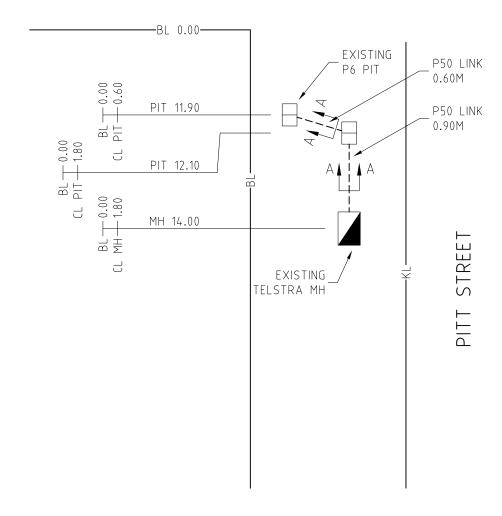
0.6m - CABLE DEPTH



Note:

- 1. Conduit depths quoted are approximate only and may change due to unforseen circumstances.
- In all instances it is recommended that the position of conduits & cables should be proved on site by hand, prior to commencement of works.
- 3. White marker tape shall be installed at least 150mm above the uppermost surface of all conduits or cables.

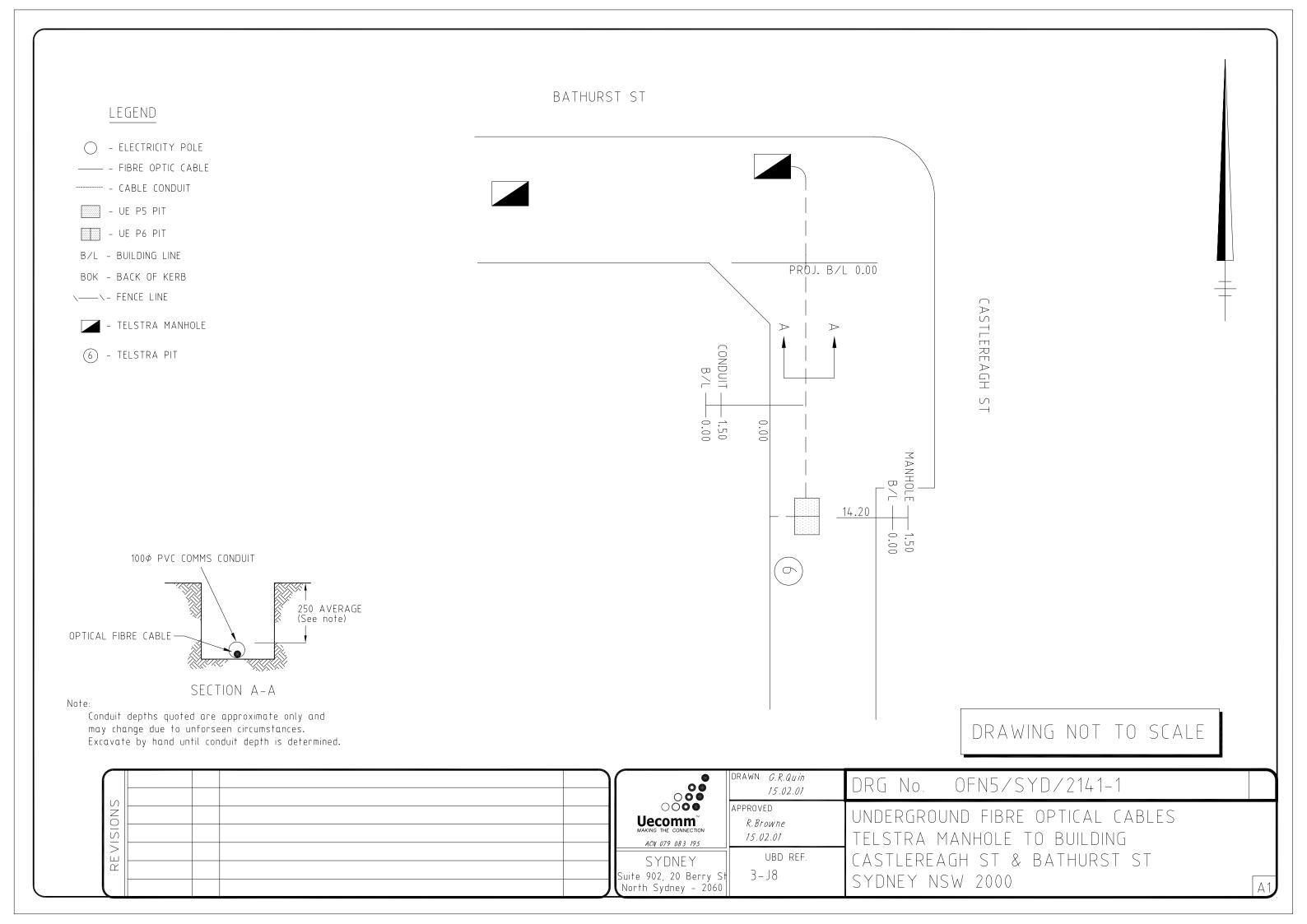
BATHURST STREET

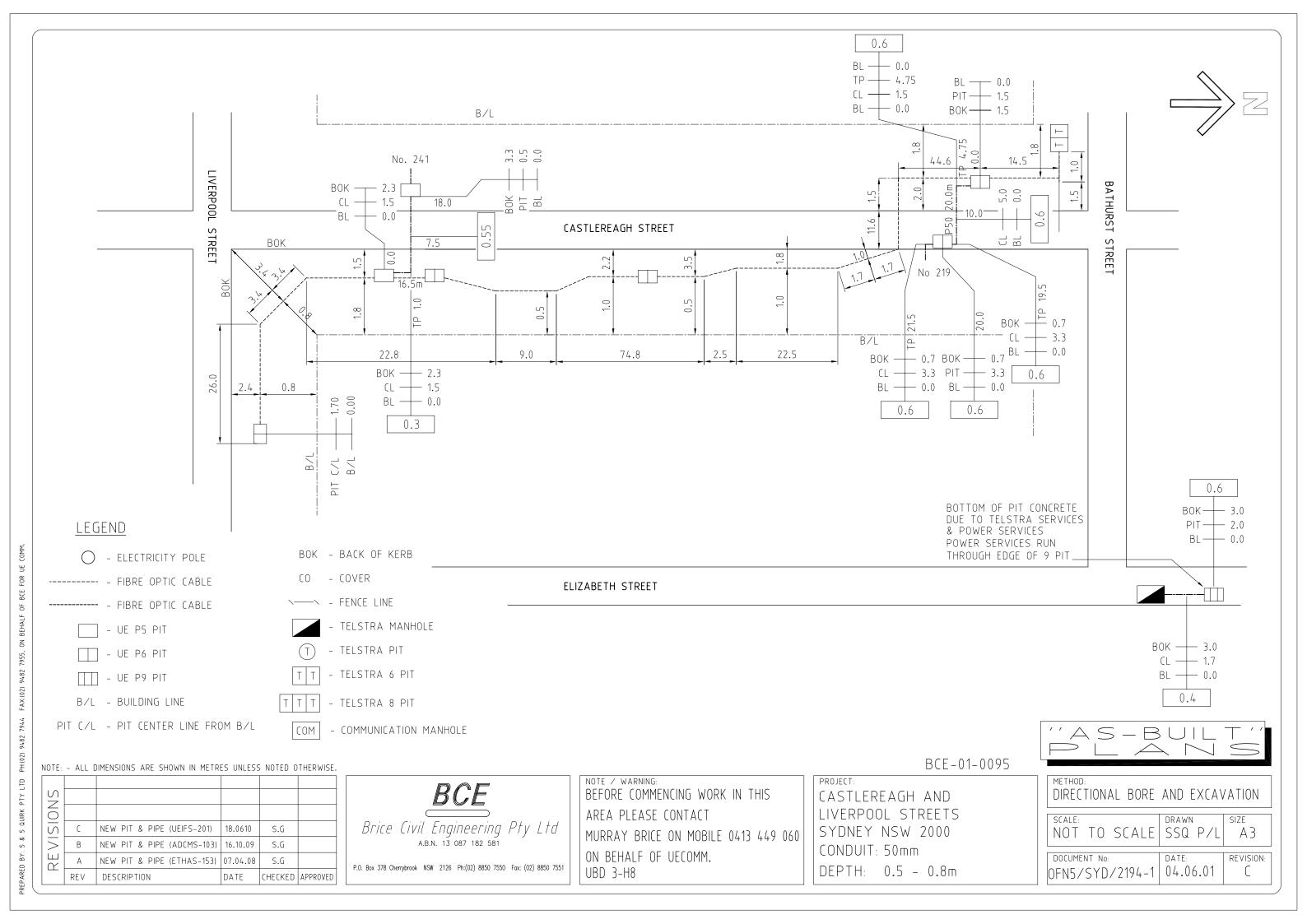


DRAWING NOT TO SCALE



						CONTA	D.I. 1001 0E.I. 0000	000	DRAWN <i>BAYSIDE (SHM</i> 08/11/04 DESIGN CHECKED	DRG No. OFN5/SYD/2607-1	_
NOISI							T NUMBER UEC-EN+YS-105	Uecomm™ MAKING THE CONNECTION ACN 079 083 195		U/G OPTICAL FIBRE CABLE RUN WORLD SQUARE	
REV						PLAN I	No. Y / UBD REF UBD 3 H7, 8	UECOMM		PITT STREET & BATHURST STREET	
	DATE	REV.	REVISION DESCRIPTION	CHECKED	APP'D.			MEL/SYD/QLD		SYDNEY NSW 2000	A3





- 4. DAMAGE. ANY DAMAGE TO UECOMM'S NETWORK MUST BE REPORTED IMMEDIATELY TO 1800 707 447.
- 5. <u>Uecomm</u> recommends using <u>Uecomm</u> approved location contractors to provide on-site location services for <u>Uecomm</u> plant. You can arrange <u>Uecomm</u> on-site visits by calling <u>Uecomm</u> on 1800 707 447 and <u>Uecomm</u> or its approved representative will attend your site to provide guidance to the location of the <u>Uecomm</u> assets (the <u>"Uecomm</u> Asset Alignment"). <u>Uecomm</u> requires 3 clear business days notice to conduct an on-site location. The initial on-site visit by <u>Uecomm</u> will not normally incur a charge, but at the discretion of <u>Uecomm</u>, subsequent site visits may incur a charge to be applied at an hourly rate.
- 6. <u>Uecomm</u> will hold the relevant party responsible for any damage to <u>Uecomm</u> plant and all expenses incurred by <u>Uecomm</u> as a result of asset damage.
- 7. Except to the extent that liability may not be capable of lawful exclusion, <u>Uecomm Pty</u> Limited and its servants and agents and the related bodies corporate of <u>Uecomm Pty</u> Limited and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any Plans attached hereto. Except as expressly provided to the contrary in this information sheet or the attached Plans, all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

We thank you for your enquiry and appreciate your continued use of the Dial Before You Dig Service and/or <u>Uecomm</u> Asset Analysis Service. If you require further information please contact <u>Uecomm</u> on **1800 707 447**.

IMPORTANT This document may be confidential and privileged. Unauthorised use is prohibited. If you have it in error, please notify us and shred this document. Thank you.



Level 17, PIPE Networks House, 127 Creek Street, Brisbane 4000 PH:(07) 3233 9895 FAX:(07) 3233 9885

DBYD ENQUIRY RETURN:

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

The affected network infrastructure is contained within the **Telstra** duct network and can be found listed on the appropriate **Telstra** duct Network plans.

THIS NETWORK IS VITAL TO OUR OPERATIONS AND AS SUCH, IT IS CRITICAL THAT **NO WORKS** COMMENCE WITHIN THE AREA UNTIL YOU HAVE RECEIVED AND APPRAISED THE TELSTRA DUCT PLANS FOR THIS AREA.

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.

PIPE NETWORKS

Ph (07) 3233 9895

Email: dbyd@pipenetworks.com

(for information specifically on this job only)



Response Cover Letter

Date: 27/11/2019 PIPE Networks

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

To:

Mr Mitchell Murphy LCI - Mr Mitchell Murphy Level 4, 73 Walker Street North Sydney NSW 2060

- Customer ID: 2203048

Email: mitchell.murphy@lciconsultants.com.au

Phone: 0417 219 235 Fax: Not Supplied Mobile: Not Supplied

Dear Mr Mitchell Murphy

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

Assets Affected: PIPE Networks, Telstra

Sequence Number: 92610825

Location: 296 Pitt Street

Sydney NSW 2000

Commencement Date: 01/02/2020

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 Mitchell Murphy

Fax: Not Supplied

DBYD Enquiry Number: 92610825

Date: 27/11/2019

Location: 296 Pitt Street

Sydney NSW 2000

DBYD ENQUIRY RETURN:

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

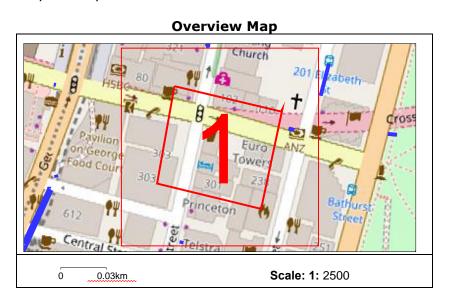
The affected network is contained in the PIPE Networks duct network and can be found on PIPE Networks own network plans.

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.



PIPE Networks (for information specific to this job only)

Ph (07) 3233 9895

Email: dbyd@pipenetworks.com

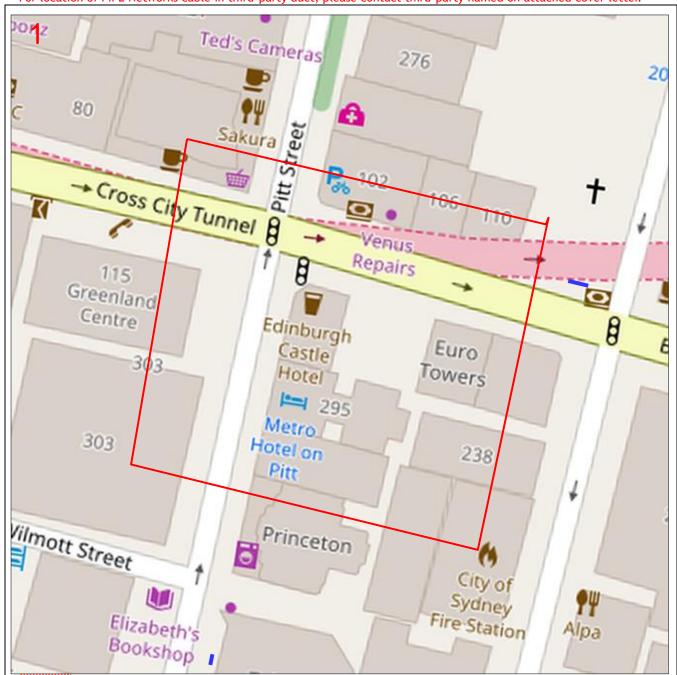
DISCLAIMER: No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence.

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: 92610825	LEGEND DBYD Request Area Asset	
Map Sheet: 1	DBYD Request Area Asset	N N
Scale: 1:750	Line Manhole	\bigwedge
0 0.008km	Area Duct	,

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.**

Response Cover Letter



Primus Telecom

Level 3

538 Collins Street

Melbourne VIC 3000

Date: 27/11/2019

To:

Mr Mitchell Murphy

LCI

Level 4, 73 Walker Street North Sydney, 2060

According to our records your enquiry with the following details <u>impacts our infrastructure</u>. Please review other documents included with this response for additional details.

Sequence No: 92610831

Job No: 18653207

Location: 296 Pitt Street

Sydney, NSW, 2000

<u>Primus</u> assets are contained in <u>Telstra</u> ducts / conduit networks and to an adjacent <u>Primus</u> Pit. It is your responsibility that these ducts are physically located by <u>Telstra</u>.

The Primus conduit has a minimum 450mm cover to the Finished Ground Level.

Please ensure excavating within two (2) metres of <u>Primus</u> assets is by hand method only.

In order to have your enquiry response adequately assessed, please contact <u>Primus</u> Telecom on (02) 9458 5808 to discuss your works in more detail.

Important Notice: This enquiry response, including any associated documentation, has been assessed and compiled from the information detailed within the DBYD enquiry outlined above. Please ensure that the DBYD enquiry details and this response accurately reflect your proposed works.

This response is intended for use only by the addressee. If you have received the enquiry response in error, please let us know by telephone and delete all copies; you are advised that copying, distributing, disclosing or otherwise acting in reliance on the response is expressly prohibited.



While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither <u>Primus</u> Telecom or <u>PelicanCorp</u> 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.



Sequence No: 92610831 **Job No:** 18653207

Buffer

Location: 296 Pitt Street, Sydney, NSW 2000





== Road

contained in it or the completeness or accuracy of such information. Use of such information is subject to and

constitutes acceptance of these terms.



Spatial Services Works likely to impact survey marks

Penalties apply for unauthorised removal, damage, destruction, displacement, obliteration or defacing of survey marks

ISSN 2203-9384 Information Sheet July 2018

Legislation

Survey marks are protected under the *Surveying and Spatial Information Act 2002 (NSW) Section 24.* The following penalties and orders apply for unauthorised removal, damage or disturbance of survey marks:

- Maximum penalty of 25 units, currently
 \$2,750 per mark; and
- up to \$10,000 per mark in compensation to the Surveyor-General towards the cost of reinstatement of each survey mark; and
- up to \$10,000 per mark in compensation to any other person towards any loss or damage suffered by that person as a consequence of the offence.

If works are likely to impact a survey mark, an application under the *Surveying and Spatial Information Regulation 2017 Clause 90* must be lodged with the Surveyor-General.

Why are survey marks important?

Survey marks are a State asset and provide a wealth of important information to a wide range of people in the community. They are used to support the surveying of property boundaries and easements, and are important for engineering, road building, mapping and other land surveys.

The loss of survey marks can <u>significantly</u> degrade the integrity of the legal property boundaries and impact on the costs of development projects that depend upon position and height.

How do I preserve survey marks?

Surveyor-General's Direction No.11 - Preservation of Survey Infrastructure provides directions on how to comply with the Legislation.

You can find the Direction on the following link: http://spatialservices.finance.nsw.gov. au/_data/assets/pdf_file/0005/217094/ SG_Directon_No11_Final4.pdf A Registered Land Surveyor will be able to provide advice about the preservation of survey infrastructure. A list of Registered Land Surveyors is available from the Board of Surveying and Spatial Information website: http://www.bossi.nsw.gov.au/about/find_aregistered_surveyor

Additional information to assist with best practice guidelines for road infrastructure development can be found in Roads and Maritime Services QA Specification *G71* – Construction Surveys by following the link: http://www.rms.nsw.gov.au/business-industry/partners-suppliers/documents/specifications/g071.pdf

Types of survey marks

There are many types of survey marks used for various purposes. Many are buried and may only be identified by a Registered Land Surveyor. Some examples of common survey marks can be seen below.

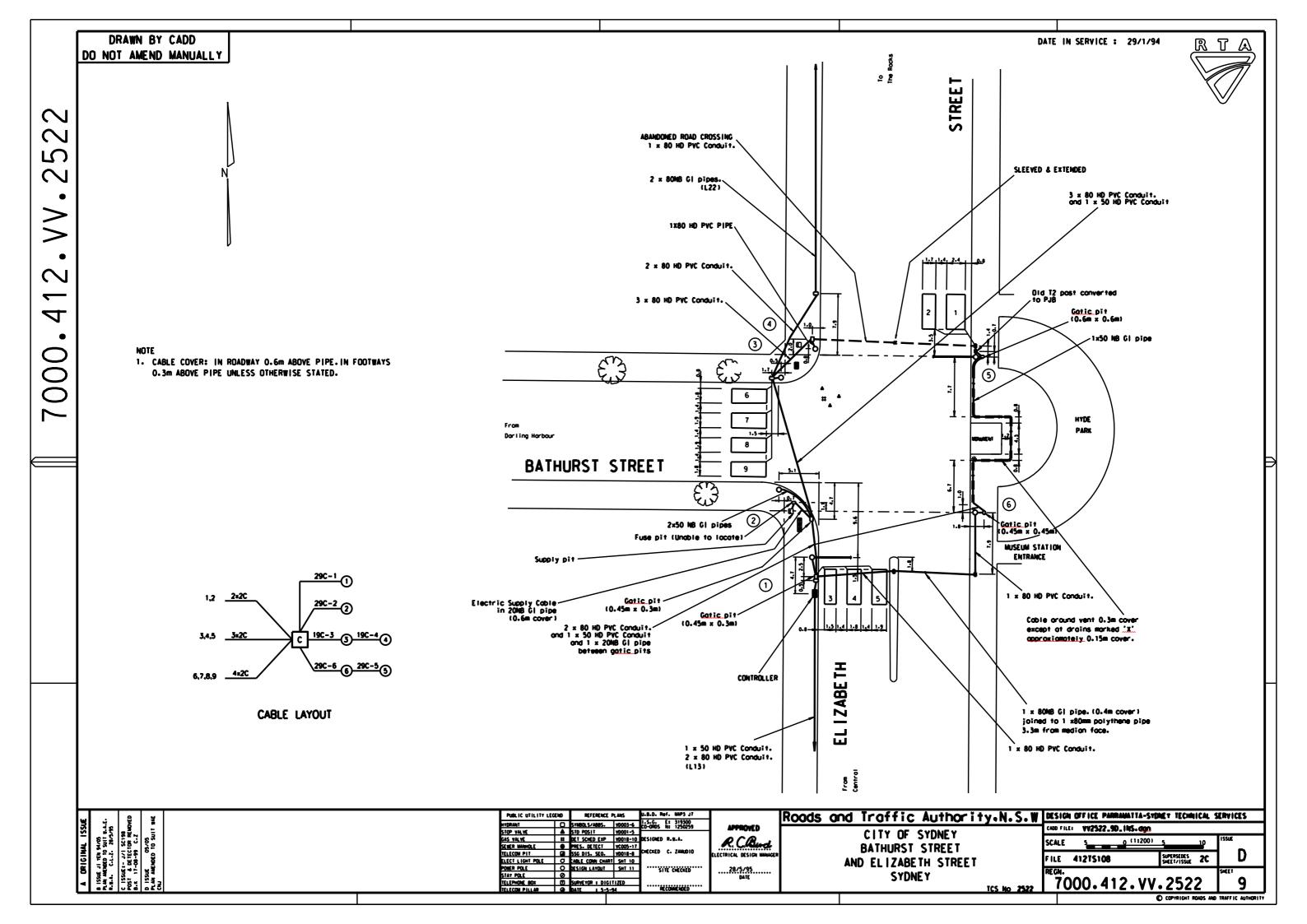


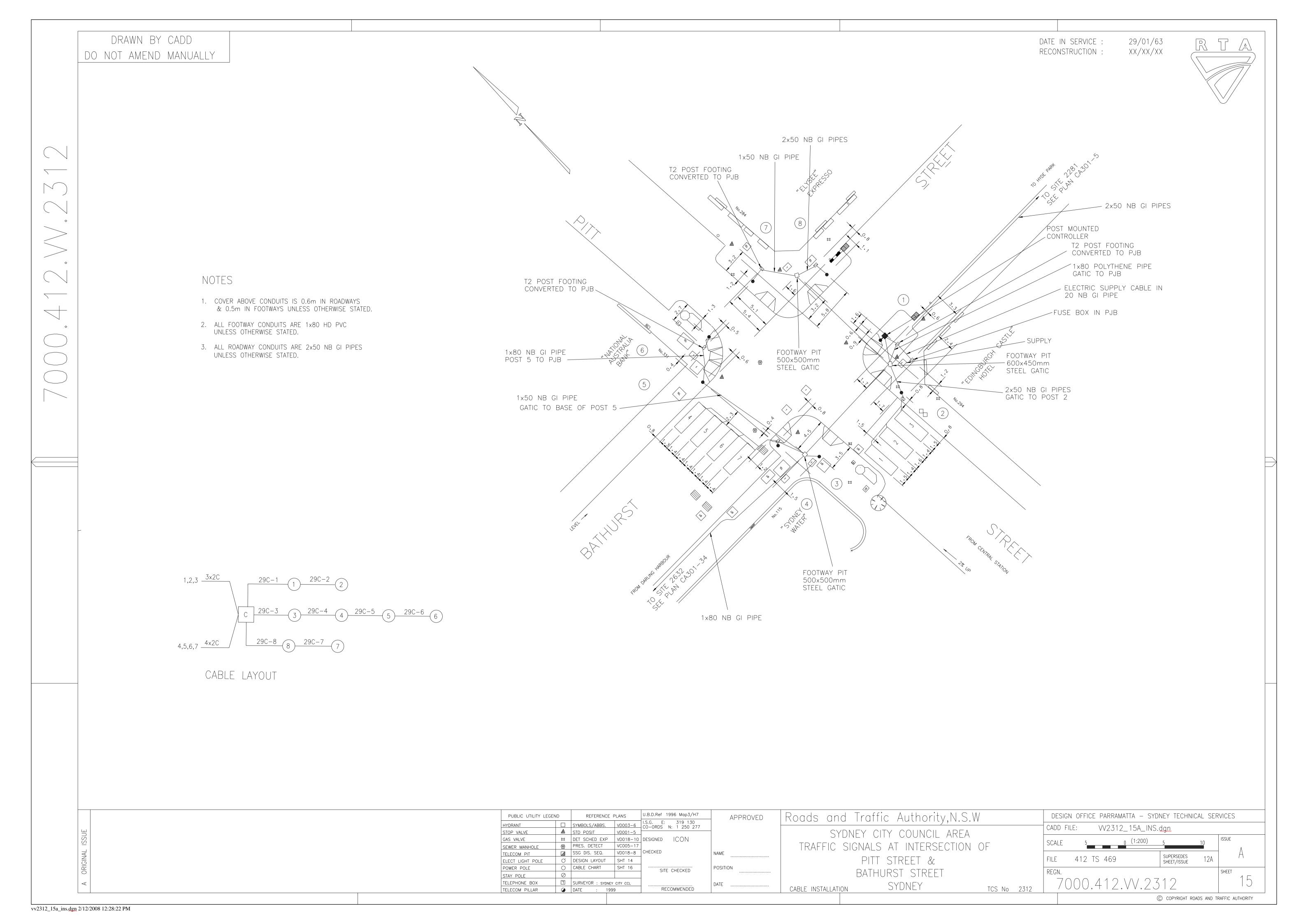
More information

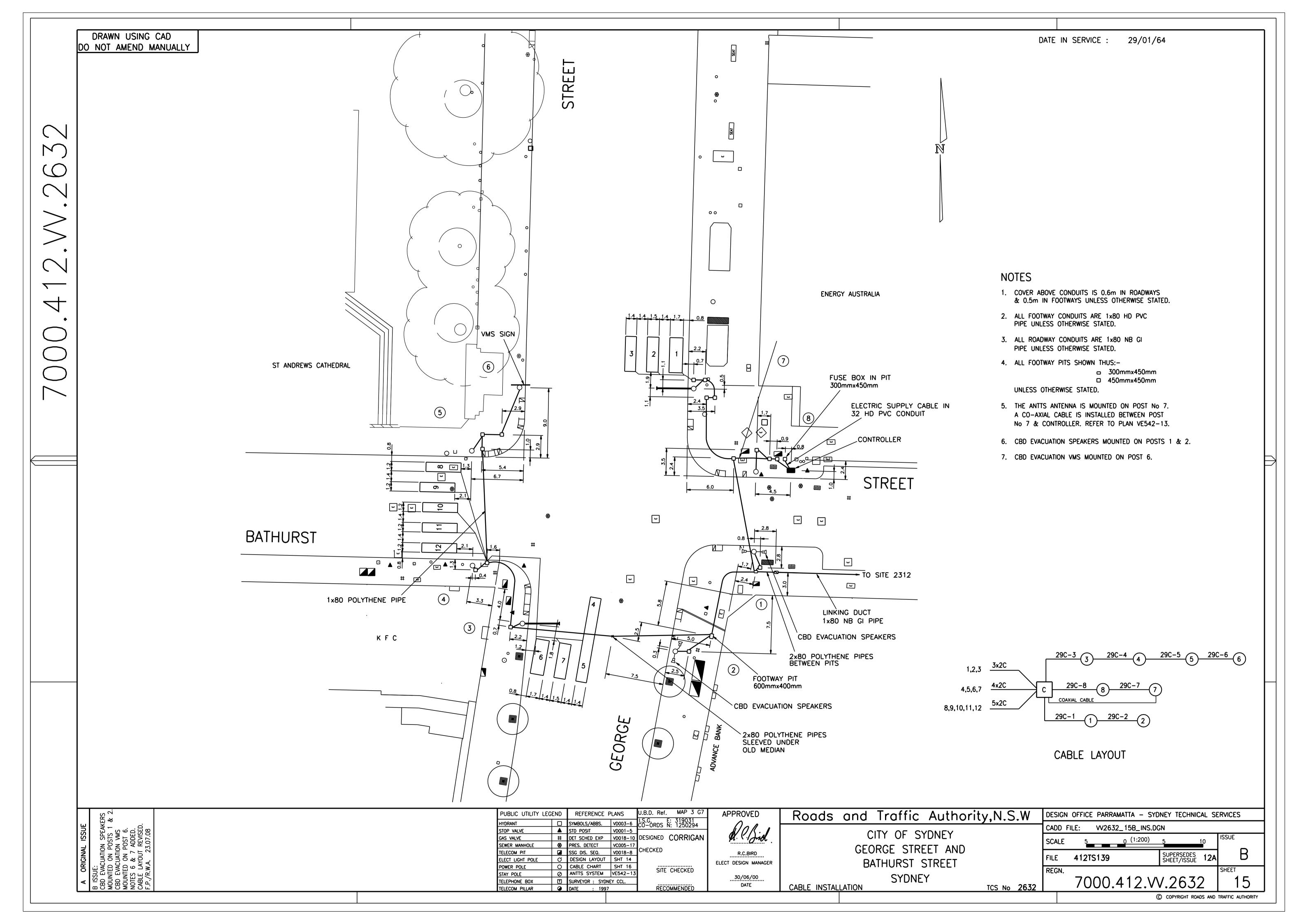
For more information or to obtain advice on compliance with Legislation, please forward your enquiry to:

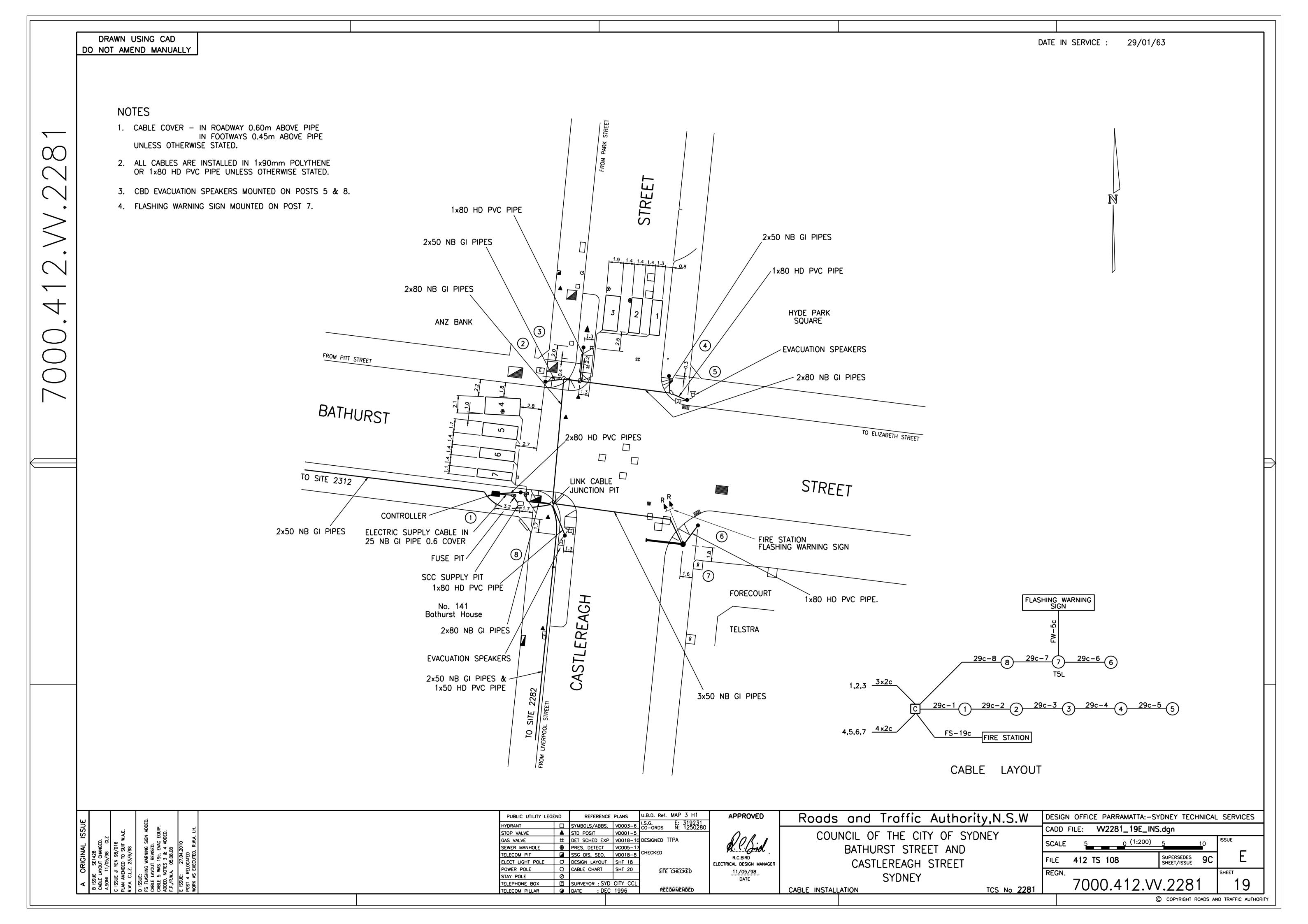
Surveyor-General-Approvals@finance.nsw.gov.au

Applications to remove a Survey Mark can be lodged here: http://spatialservices.finance.
nsw.gov.au/surveying/surveying_services/
forms_and_applications/survey_marks_removal











SYDNEY METRO

L43 680 George St Sydney NSW 2000 Australia

smcswdbyd@transport.nsw.gov.au

Emergency (24hrs) 1800 019 989

Dear Sir / Madam,

Dial Before You Dig - Potential impact on tunnel assets

Thank you for your Dial Before You Dig enquiry. Sydney Metro has identified underground tunnel assets in the vicinity of the enquiry location. These assets may include, but are not limited to running tunnels, cross passages, cross over caverns and associated services.

Please be aware that damage to these assets could cause serious injury or death as well as major disruption to Sydney Metro rail infrastructure.

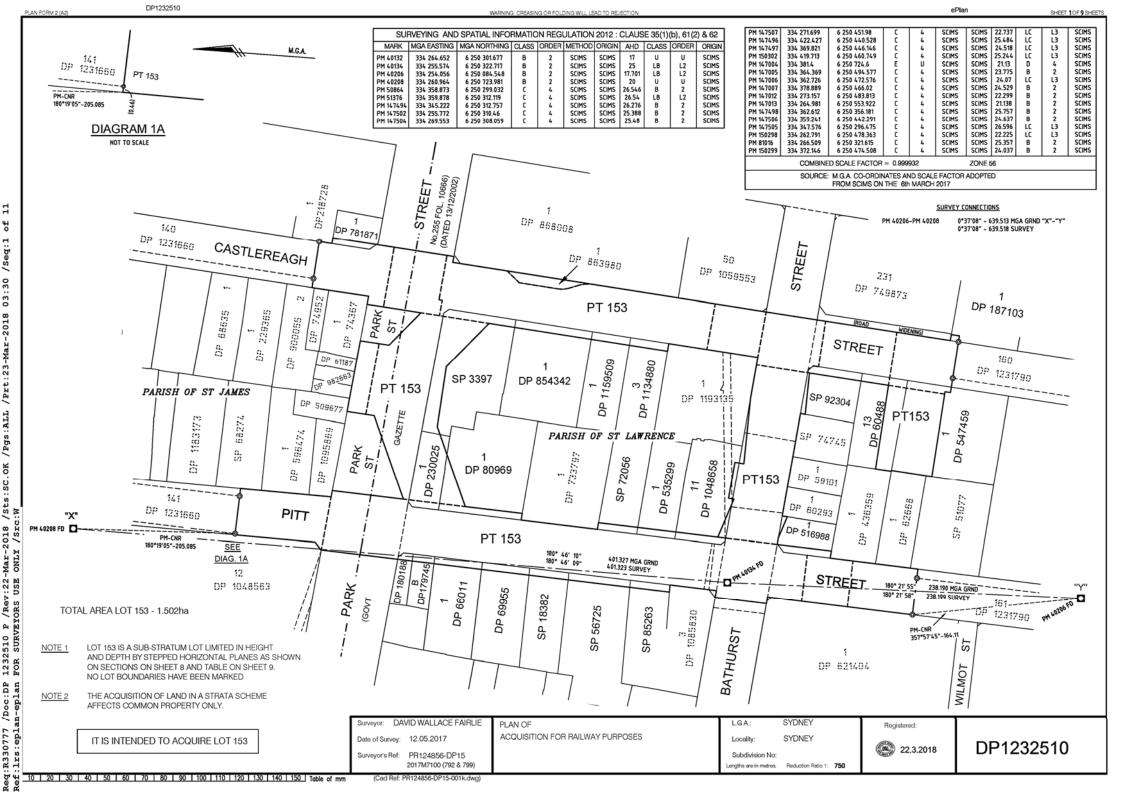
A subsurface property stratum has been registered with the Land and Property Information office which describes the space in both plan and reduced level within which the tunnel assets are located. A copy of the relevant stratum plan is attached. The plan is provided subject to the provisions set out below.

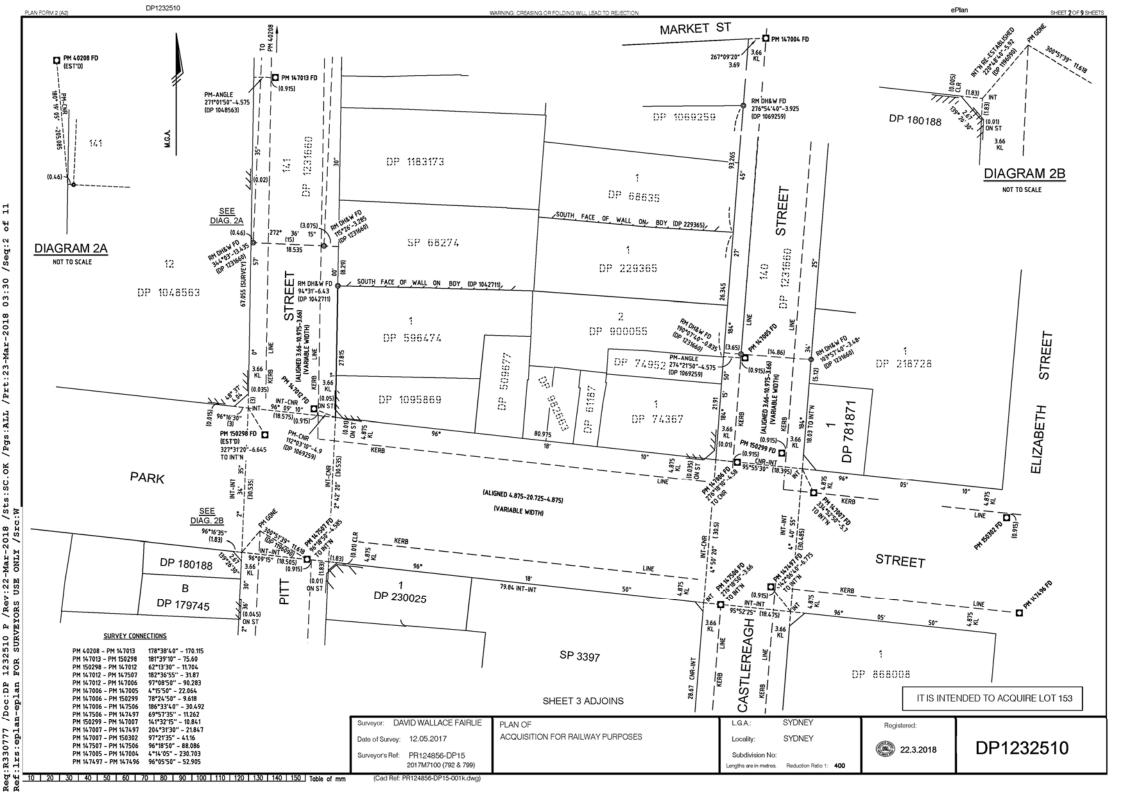
- The actual depth of existing tunnel assets may vary significantly from the location shown on the attached plans as a result of changes to road, footpath or surface levels subsequent to installation.
- Any reliance placed on these plans by you is entirely at your risk. You must undertake your own investigations and enquiries to confirm the exact locations of underground assets.
- Sydney Metro is not responsible for any loss suffered by you or any other party (including indirect or consequential loss) in connection with the provision of the plan, however that loss may arise (including losses arising as a result of negligence by Sydney Metro and/or its employees, officers, consultants and contractors).
- Whilst Sydney Metro has taken all reasonable steps to ensure that the information contained in the plan is as accurate as possible, Sydney Metro gives no guarantee, warranty or undertaking as to the accuracy, currency, adequacy, suitability or completeness of the plan and does not assume any duty of care to you or any third party nor accept any liability for inaccuracies in the information shown on these plans.
- Sydney Metro's plans are frequently updated. The attached plans are valid for 6 months from date of issue.

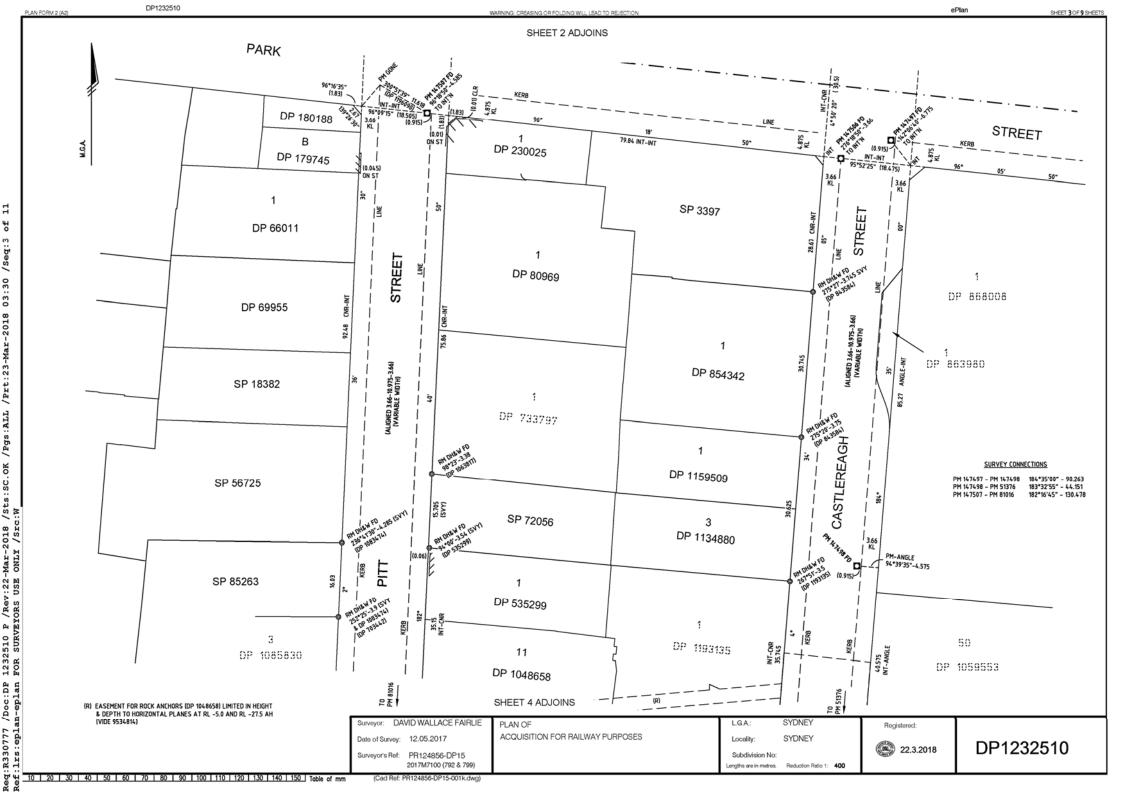
You must review the attached plan(s) to ensure that any proposed works by you are not in conflict with Sydney Metro's assets.

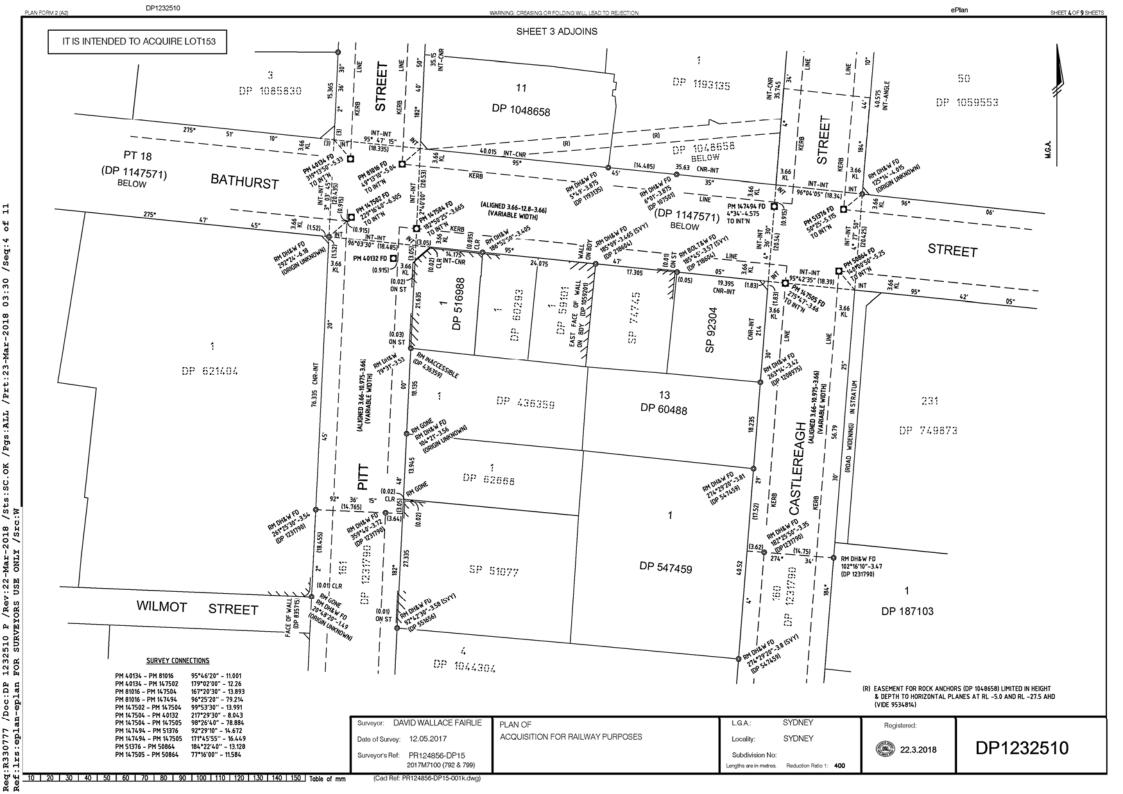
The potential to impact the tunnels will depend upon the nature of works proposed. You must contact Sydney Metro prior to carrying out any works if any of the following apply:

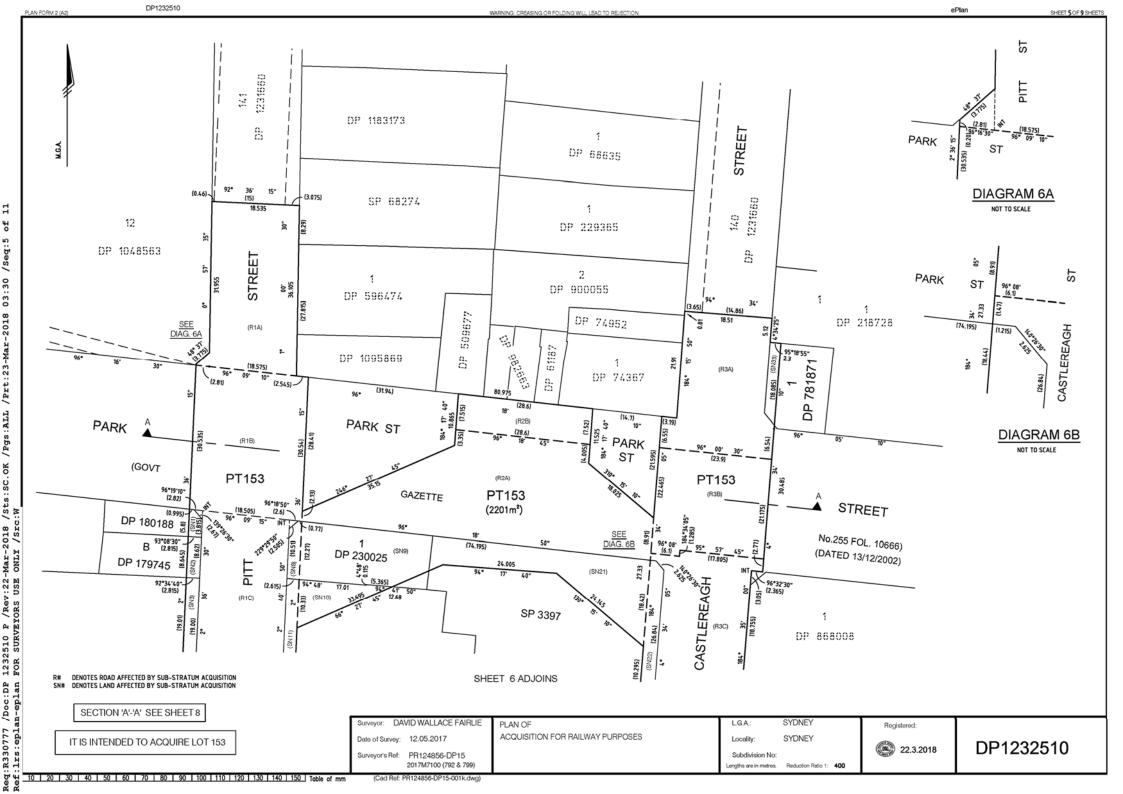
- 1. your proposed excavation is greater than 2 metres below existing ground level (this includes trenching, bore holes, piles and similar ground penetrations) and is located above or within the property stratum; **or**
- 2. significant additional loads are to be placed over the stratum area whether temporarily or permanently; **or**
- 3. significant vibration (i.e. driving piles) is to occur over or in the vicinity of the stratum.

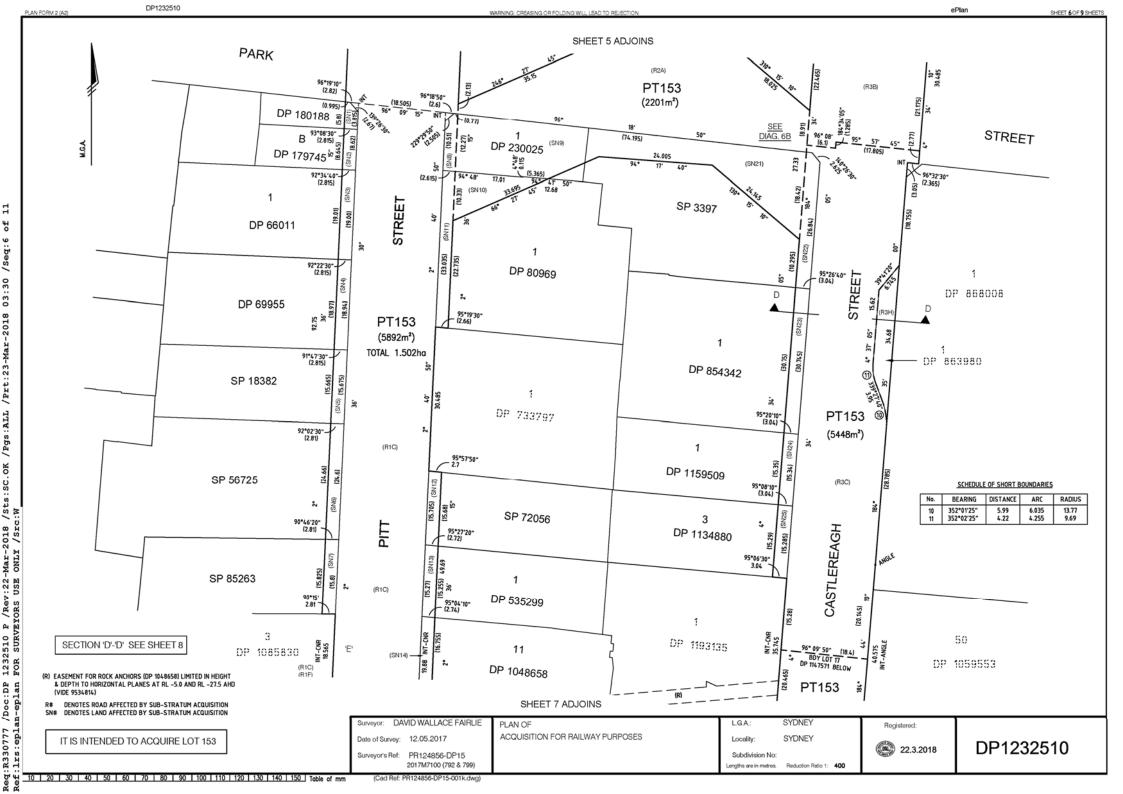


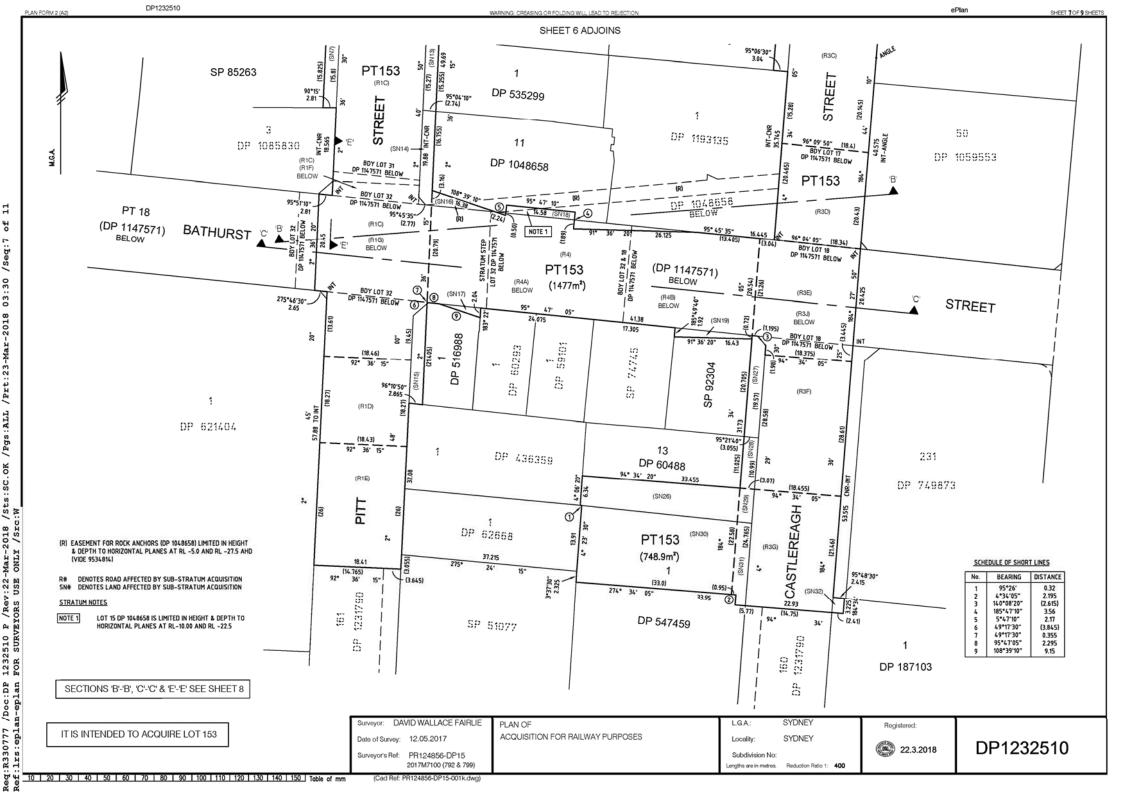












ePlan

		AFFECTED PROPERTY		EXT	ENT OF STRAT	UM ACQUISITIO	N	
1				APPROX	UPPER	LOWER	PART	TOTAL
,		LOT & DP	PLAN NOTATION	GROUND SURFACE	STRATUM LIMIT	STRATUM LIMIT	AREA (approx.)	AREA (approx.)
				LEVEL (RL)			(m ²)	(m ²)
		LOT 1 DP 180188	(SN1)	RL 23	ACQUISITIO RL 15	RL -6.55	14	
		LOT B DP 179745	(SN2)	RL 23	RL 15	RL -6.55	24	
		LOT 1 DP 66011	(SN3)	RL 23	RL 16	RL -6.55	53	
	-	LOT 6 DP 69955	(SN4)	RL 24	RL 16.5	RL -6.55	53	
	-	CP SP 18382	(SN5)	RL 24	RL 16	RL -6.55	44	
l	-	CP SP 56725	(SN6)	RL 24	RL 15.3	RL -6.55	69	
l	-	CP SP 85263	(SN7)	RL 25	RL 20.5	RL -6.55	44	
			(SN8)	RL 23	RL 16	RL -6.55	30	
		LOT 1 DP 230025	(SN9)	RL 24	RL 16	RL -5.2	310	340
		LOT 1 DP 80969	(SN10)	RL 24	RL 16	RL -5.2	101	188
	ļ		(SN11)	RL 24	RL 16	RL -6.55	87	100
		CP 3P 72056 LOT 1 DP 535299	(SN12)	RL 25 RL 25	RL 15	RL -6.55 RL -6.55	42 41	
	-	LOT 1 DF 333288	(SN13) (SN14)	RL 25	RL 17	RL -6.55	55	
		LOT 11 DP 1048658	(SN16)	RL 25	RL 17	RL -5	21	100
		V 04 () - VIII SA DOM - SA DOM SESSE	(SN18)	RL 26	RL 17	RL -4.8	24	200000
		LOT 1 DP 516988	(SN15)	RL 25	RL 19	RL -6,55	56	65
			(SN17)	RL 26	RL 19	RL-5	9	
		CP SP 3397	(SN21) (SN22)	RL 24-25 RL 25	RL 16 RL 16	RL -5.2 RL -7	376 85	461
		LOT 1 DP 854342	(SN23)	RL 25	RL 13.2	RL -7	93	
		LOT 1 DP 1159509	(SN24)	RL 26	RL19.5	RL -7	46	
	1	LOT 3 DP 1134880	(SN25)	RL 26	RL 20.85	RL -7	46	
		CP SP 92304	(SN19)	RL 26	RL 19	RL -4.8	21	84
			(SN27) (SN26)	RL 26 RL 26	RL 19 RL 21	RL -7.3 RL -3.8	63 226	SERVE
		LOT 13 DP 60488	(SN28)	RL 26	RL 20.85	RL -7.3	33	281
			(SN29)	RL 26	RL 21.4	RL -8.05	22	
		LOT 1 DP 547459	(SN30)	RL 25	RL 21	RL -3.8	523	575
		LOT 1 DP 187103	(SN31) (SN32)	RL 26 RL 26	RL 21.4 RL 20	RL -8.05 RL -8.05	52 8	
	-	LOT 1 DP 781871	(SN33)	RL 24	RL 20	RL -6.3	42	
					Surveyor: Date of S	DAVID WAL urvey: 12.05.2		LIE PL AC
					Surveyor	2017M71	856-DP15 100 (792 & 799	
10	20 30 40 50 60 70 80	90 100 110 120	130 140 1	150 Table of m	nm (Ca	d Ref: PR124856	-DP15-001k.d	wg)

AFFECTED ROAD	EXTENT OF ACQUISITION					
ROAD NAME	PLAN NOTATION	APPROX GROUND SURFACE LEVEL (RL)	UPPER STRATUM LIMIT	LOWER STRATUM LIMIT	PART AREA (approx.) (m²)	TOTAL AREA (approx.) (m ²
	(R1A)	RL 22	RL 21.25	RL -8	662	
	(R1B)	RL 23	RL 21.25	RL 0	729	
PITT STREET	(R1C)	RL 23-25	RL 21.25	RL -6.55 (NOTE 1)	3068	5855
	(R1D)	RL 25	RL 21.25	RL -6.8	337	
	(R1E)	RL 24	RL 21.25	RL -8.5	479	1
	(R1F)	RL 25	RL -3.3	RL -6.55	91	
	(R1G)	RL25	RL -3.3	RL -6.55	489	
PARK STREET	(R2A)	RL 23-24	RL 20.53	RL 0	1198	1413
	(R2B)	RL 23	RL 21.5	RL -4.6	215	
	(R3A)	RL 24	RL 22.15	RL -6.3	579	
	(R3B)	RL 24	RL 20.85	RL 3.2	514	
	(R3C)	RL 24-26	RL 20.85	RL -7	1908	
	(R3D)	RL 26	RL 20.85	RL -3.3	375	
CASTLEREAGH STREET	(R3E)	RL 26	RL 20.85	RL -3.3	507	5399
	(R3F)	RL 25	RL 20.85	RL -7.3	526	
	(R3G)	RL 25	RL 21.4	RL -8.05	456	
	(R3H)	RL 25	RL 15	RL -7	96	Î
	(R3J)	RL26	RL -3.3	RL -7	438	i .
	(R4)	RL 26-27	RL 23	RL -3.3	1400	
BATHURST STREET	(R4A)	RL 26	RL-3.3	RL -4.8	845	2800
	(R4B)	RL 26	RL -3.3	RL -4.8	555	Ť

LOWER LIMIT OF PART PITT STREET DENOTED (R1C) IS LIMITED IN DEPTH TO RL -6.55 A.H.D. EXCEPT WHERE LIMITED TO UPPER LIMIT OF AREAS (R1F) & (R1G) BELOW

TABLE OF ROAD OWNERSHIPS

AFFECTED ROAD	FEE SIMPLE
CASTLEREAGH STREET	SYDNEY CORPORATION ACT 1932 GOVT GAZ 31-12-1834 FOL 920
PITT STREET	SYDNEY CORPORATION ACT 1932 GOVT GAZ 31-12-1834 FOL 920. 31/1147571
	SYDNEY CORPORATION ACT 1932 GOVT GAZ 31-12-1834 FOL 920
PARK STREEET	GOVT GAZ 13-12-2002 FOL 10666
	CT4108-49, CT4540-209, 2/60259 & CT 9270-34
BATHURST STREET	SYDNEY CORPORATION ACT 1932 GOVT GAZ 31-12-1834 FOL 920
	O.S LAND BK 848 NO.114, BK 2089 FOL.165
	1/183073, 18/1147571 & 32/1147571

PLAN OF ACQUISITION FOR RAILWAY PURPOSES

SYDNEY L.G.A.: Locality: SYDNEY Subdivision No: Lengths are in metres. Reduction Ratio 1: N/A

Registered: 22.3.2018

DP1232510

WARNING: Creasing or folding will lead to rejection PLAN FORM 6 (2013)

ePlan

sheet(s) Office Use Only *(b) The part of the land shown in the plan (*being/*excluding ^ *Strike through if inapplicable.

^Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey. a surveyor registered under the *Surveying and Spatial Information Act* 2002, certify that: *(a) The land shown in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate and the survey was completed on 12.05.2017 SP 56725, SP 85263, DP 230025, DP 80969, SP 72056, DP 535299, I, DAVID WALLACE FAIRLIE...... DP 781871, DP 1048563, DP 1193135, DP 1048658, DP 1231660, DP 1231790, DP 1085830, DP 1059553, DP 551656, DP 218728, DP 1095869, DP 733797, DP 218604, SP 74745, DP 749873, DP 1134880, DP 552279, DP 60488, DP 547459, DP 187103, DP 1048658, DP 516988, SP 3397, DP 854342, DP 1159509, If space is insufficient continue on PLAN FORM 6A Sheet 1 of 2 DP 180188, DP 179745, DP 66011, DP 69955, SP 18382, ST JAMES, ST LAWRENCE The terrain is *Level-Undulating / *Steep-Mountainous. Surveyor's Reference: PR124856-DP15 2017M7100(792 & 799) Plans used in the preparation of survey/eompilation. of RPS AUST EAST PTY LTD **JP123251** Survey Certificate CUMBERLAND Surveyor ID: 1007 Datum Line: "X"-"Y" DEPOSITED PLAN ADMINISTRATION SHEET SYDNEY SYDNEY Type: *Urban/*Rural DP 863980. County: Locality: Parish: LGA: Office Use Only 1, **Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions Ots.109J of the *Environmental Planning and Assessment Act 19*XQ have been satisfied in relation to the proposed subdivision, new road Ox reserve set out herein. Statements of intention to dedicate public roads, create public reserves and drainage reserves, acquire/resume land. approving this plancertify that all necessary approvals in regard to the allocation of the land shown herein have been given. IT IS INTENDED TO ACQUIRE LOT 153 FOR RAILWAY PURPOSES. ***************************** Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A Crown Lands NSW/Western Lands Office Approval Office: Subdivision Certificate number: Subdivision Certificate 22.3.2018 PLAN OF ACQUISITION FOR RAILWAY PURPOSES Date: Consent Authority: **ACQUISITION** Title System: TORRENS Accreditation number: *Strike through if inapplicable. Date of endorsement: File number: Registered: File Number: Purpose: Signature: Signature:

This sheet is for the provision of the following information as required:

• A schedule of lots and addresses - See 60(c) SSI Regulation 2012

• Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919

• Signatures and seals- see 195D Conveyancing Act 1919

• Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets. of 2 sheet(s) Office Use Only ePlan DP1232510 \sim Sheet **DEPOSITED PLAN ADMINISTRATION SHEET** WARNING: Creasing or folding will lead to rejection Office Use Only Date of Endersement: 22.3.2018 Subdivision Certificate number: PLAN OF ACQUISITION FOR RAILWAY PURPOSES PLAN FORM 6A (2012) Registered:

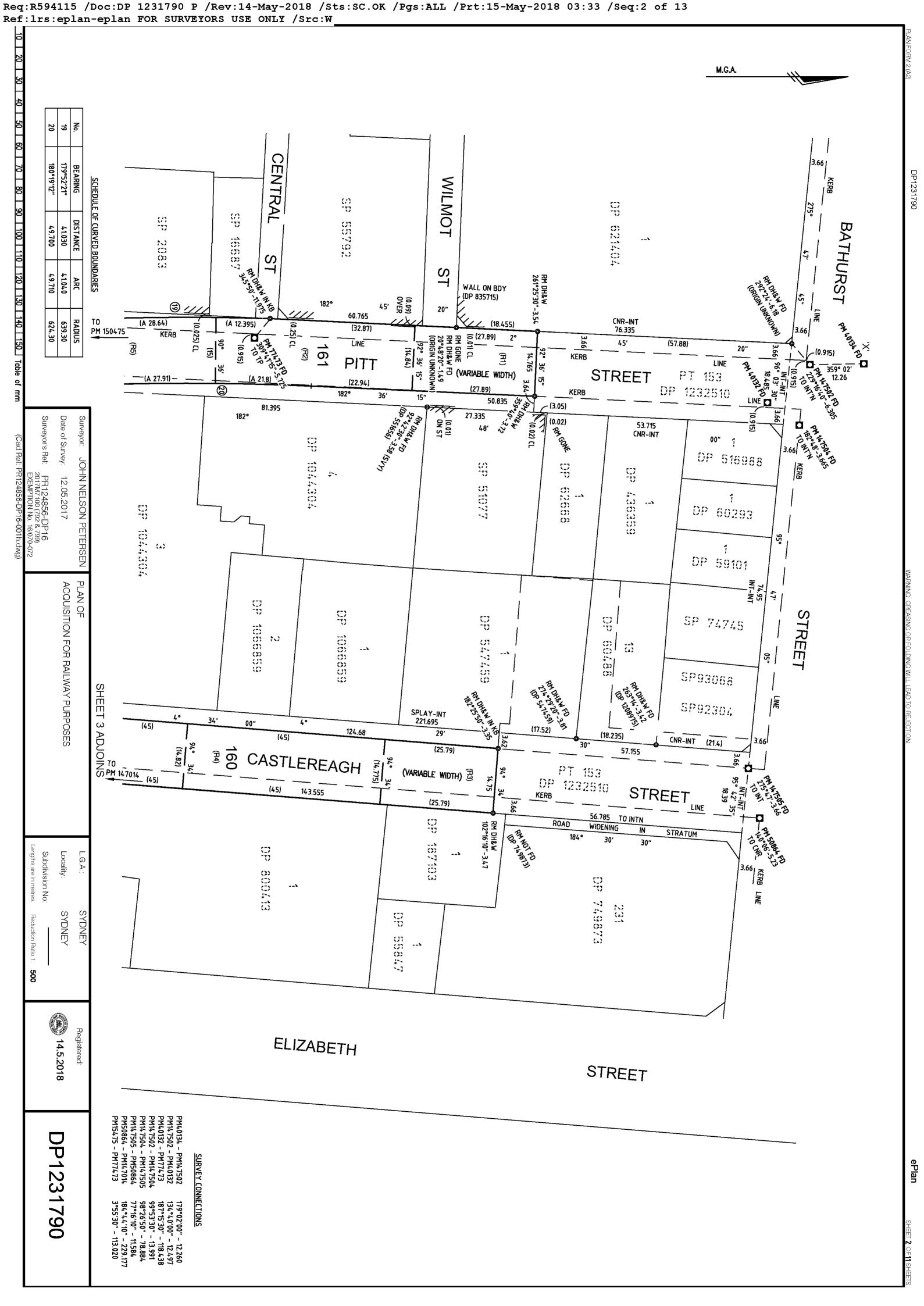
Surveyor's Reference: PR124856-DP15 2017M7100(792 & 799)

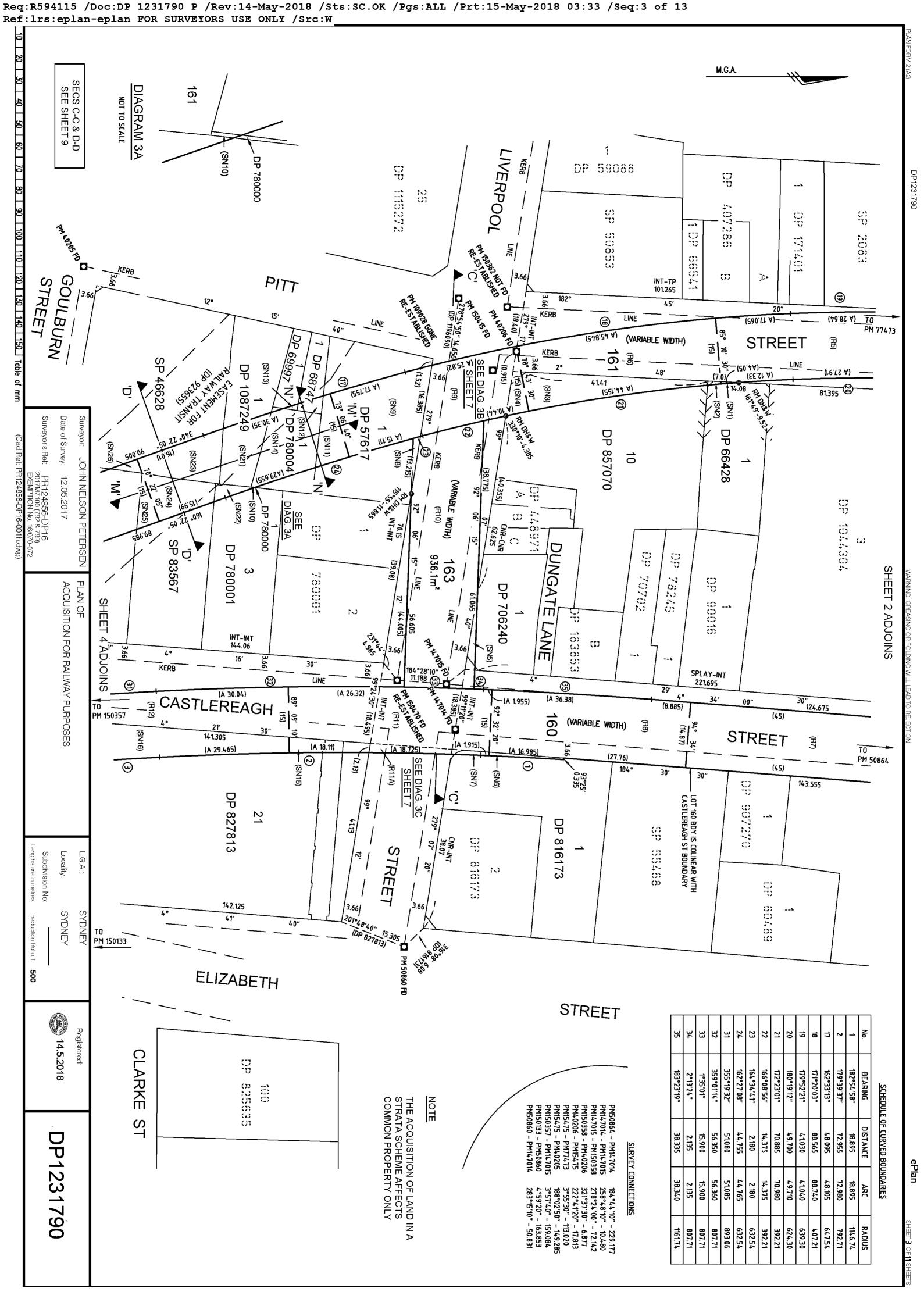
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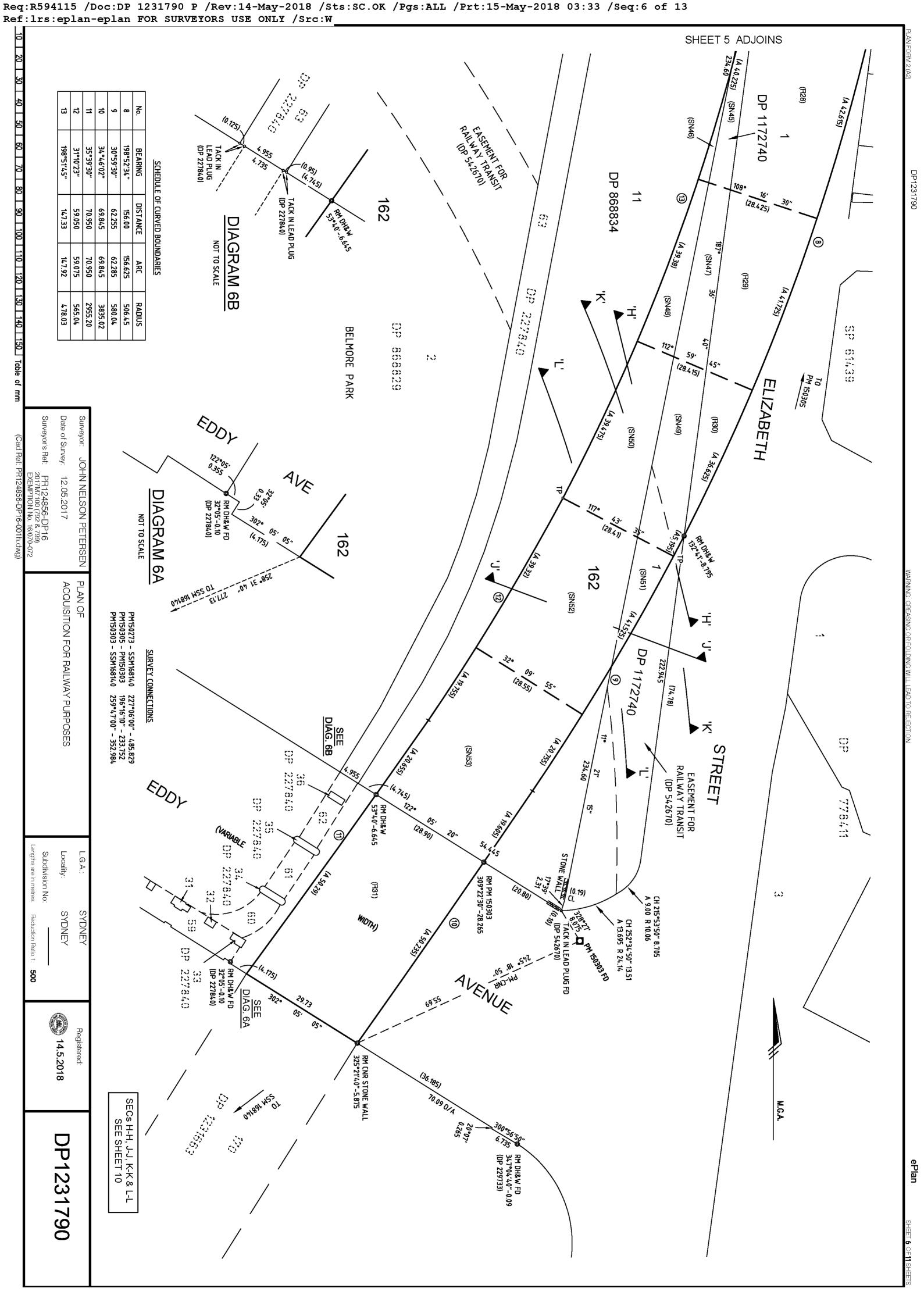
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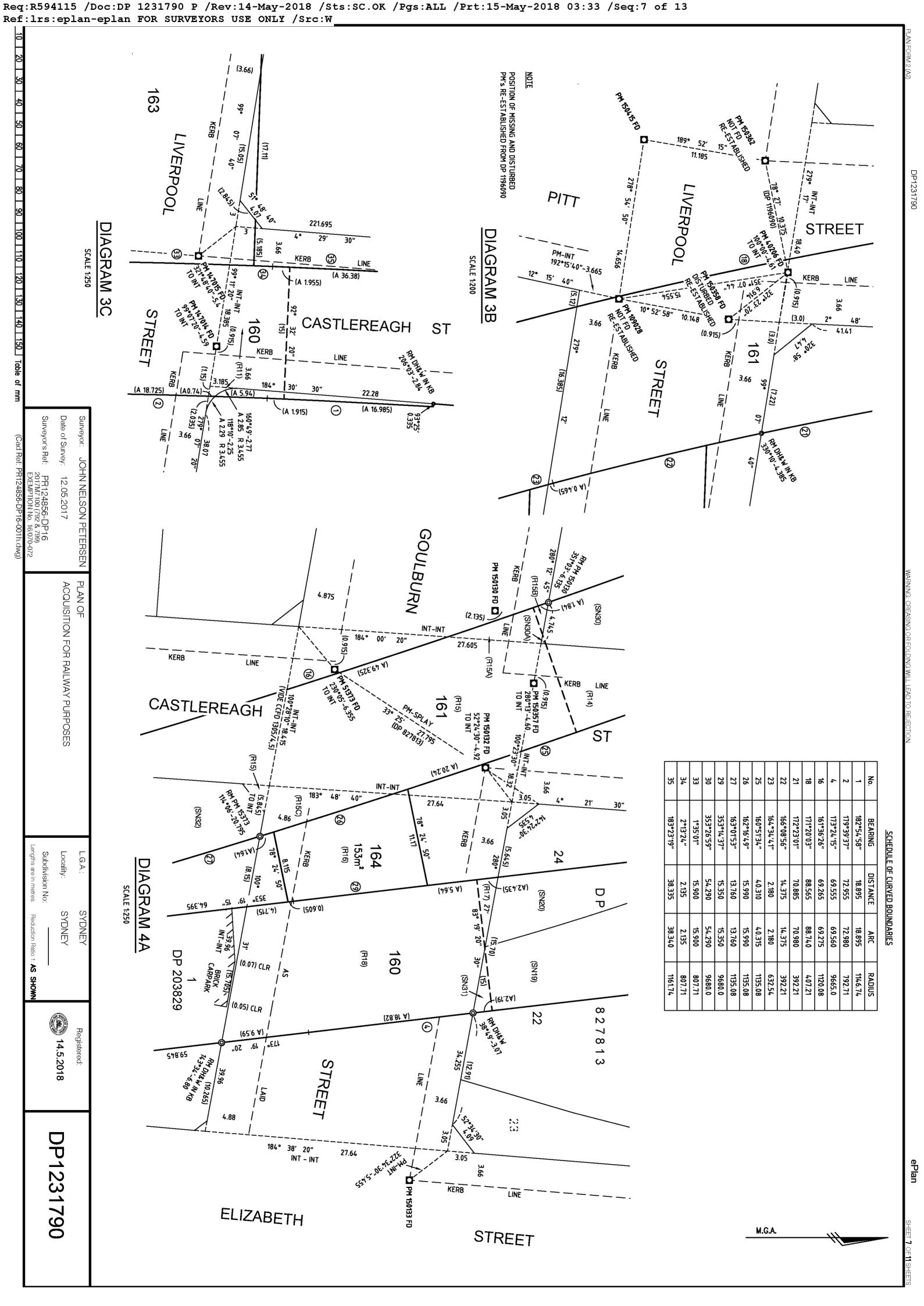
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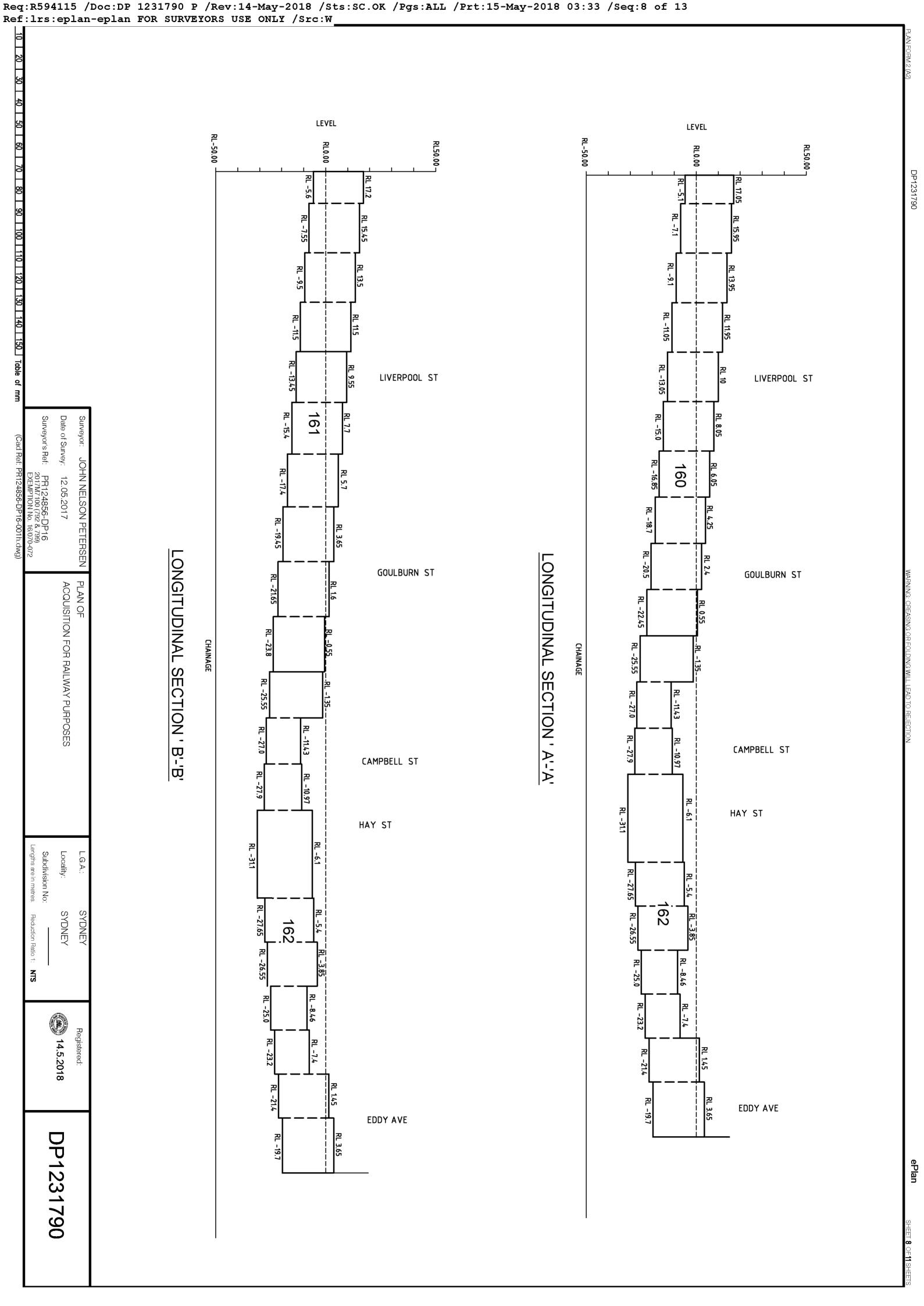
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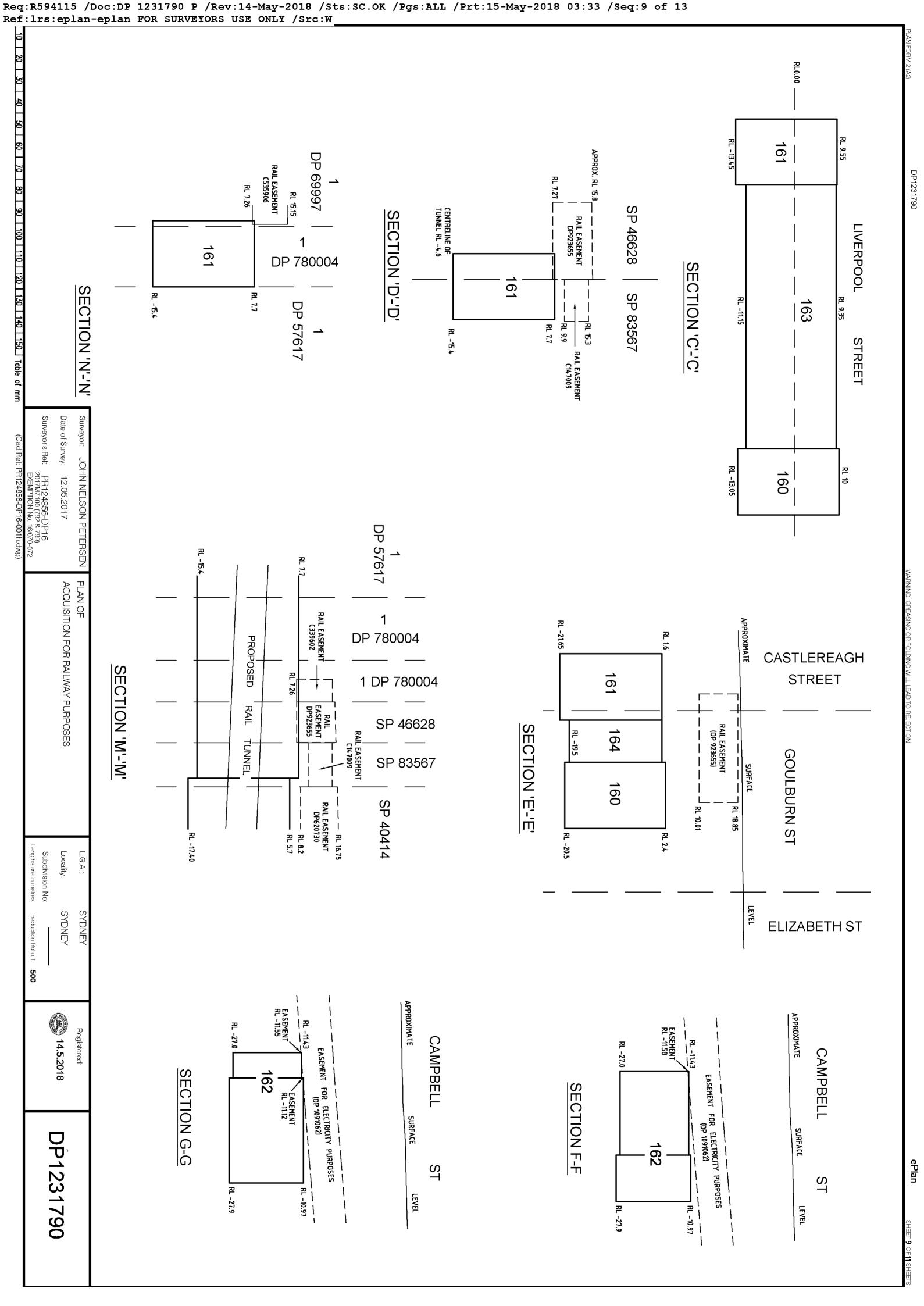


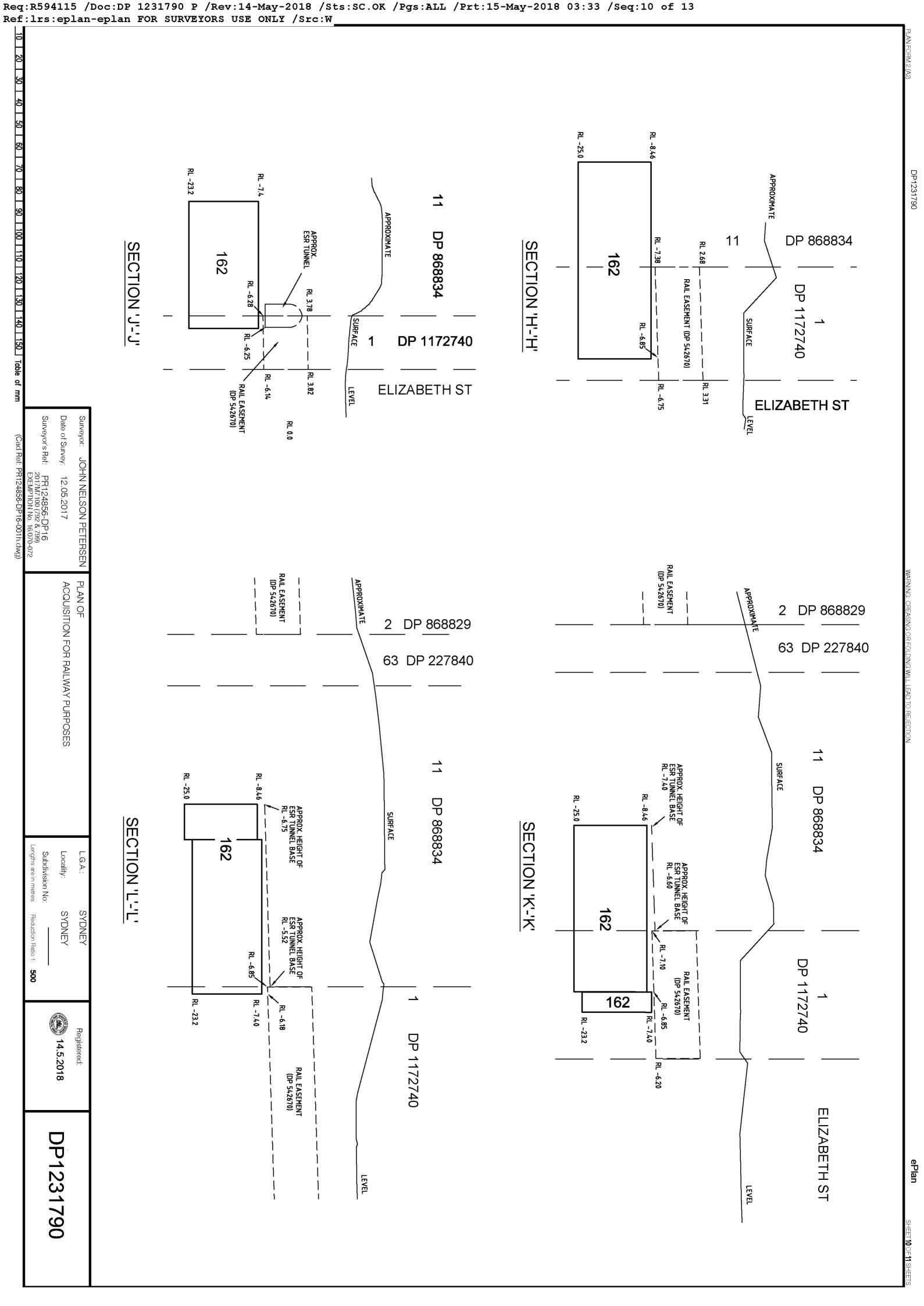












LOT 1 DP 203829

RL 7.7 RL -15.4
RL 5.7 RL -17.4
RL 5.7 RL -17.4
RL 5.7 RL -17.4
RL 5.7 RL -17.4
RL 3.65 RL -19.45
RL 1.6 RL -21.65
RL -1.6 RL -21.65
RL -0.55 RL -21.65
RL -10.97 RP -27.9
RL -10.97 RP -27.9
RL -6.1 RL -31.1
RL -6.1 RL -27.65
RL -28.65
RL -28.74 RL -25.0
RL -7.4 RL -25.0
RL -7.4 RL -25.0
RL -7.4 RL -25.0
RL -1.45 RL -23.2
RL 1.45 RL -21.4
ACQUISITION LOT 163
RL 9.35 RL -11.15

LOT 1 DP 1067328

43 1 1

721

LOT 1 DP 203829

LOT 45 DP 1046932 LOT 1 DP 63553 LOT 1 DP 205102

LOT 2 DP 5771

LOT 1 DP 1172740

(SN36) (SN37) (SN39) (SN40) (SN41) (SN42) (SN43) (SN43) (SN43) (SN44) (SN44) (SN45) (SN45) (SN46) (SN48) (SN48) (SN48) (SN48) (SN48) (SN48) (SN48) (SN48)

LOT 11 DP868834

LOT 1 DP 706240 LOT 1 DP 57617

(SN5)

RL 21 RL 19

10 6

2969

AFFECTED PROPERTY

EXTENT OF ACQUISITION

LOT & DP

PLAN NOTATION

APPROX. GROUND SURFACE LEVEL (RL)

UPPER STRATUM LIMIT

LOWER STRATUM LIMIT

PART AREA (approx.) (m²)

TOTAL AREA (approx.) (m²)

RL 11.95

RL -11.05

RL 10.0 RL 10.0 ACQUISITION LOT 160

ePlan

SHEET **11** OF **11** SHEE

| 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | _{Table}

of mm

Date of Survey:

12.05.2017

Surveyor:

JOHN NELSON PETERSEN

PLAN OF

ACQUISITION FOR RAILWAY

PURPOSES

L.G.A.:

SYDNEY

Locality:

SYDNEY

Surveyor's Ref:

PR124856-DP16 2017M7100 (792 & 799) EXEMPTION No. 16/070-072 PR124856-DP16-001h.dwg)

TABLE 유 AFFECTATIONS AND STRATUM LIMITS

969	PLAN	UPPER STRATUM	LOWER PART AI	PART AREA (approx.)
	NOTATION	STRATUM	STRATUM	(approx.)
		TIMIT	-	(m²)
			ACQUISITION LOT 160	OT 160
	(R3)	RL 17.05	RL-5.1	380
370	(R4)	RL 15.95	RL-7.1	665
	(R7)	RL 13.95	RL-9.1	667
CASTLEREAGH STREET	(R8)	RL 11.95	RL-11.05	660
	(R11)	RL 10.0	RL -13.05	600
851	(R12)	RL 8.05	RL - 15.0	399
	(R13)	RL 6.05	RL -16.85	107
GOI II BI IBNI STREET	(R17)	RL 4.25	RL-18.7	OL
3 GOOLBORN STREET	(R18)	RL 2.4	RL -20.5	422
ELIZABETH STREET	(R21)	RL 0.55	RL -22.45	2
33		Ä	ACQUISITION LOT 161	OT 161
222	(R1)	RL 17.2	RL-5.6	412
	(R2)	RL 15,45	RL -7.55	671
379	(R5)	RL 13.5	RL-9.5	674
	(R6)	RL 11.5	RL -11.5	481
Fixebook officer	(R9)	RL 9:55	RL-13.45	306
ELA ESTA COOL O (DEE)	R(11A)	RL 10.0	RL -13.05	30
	(R14)	RL 3.65	RL -19.45	129
CASTLEREAGH STREET	(R15)	RL 1.6	RL -21.65	570
	(R19)	RL -0.55	RL - 23.8	24
150	(R15A)	RL 1.6	RL-21.65	22
GOULBURN STREET	(R15B)	RL 3.65	RL -19.45	Ú3.
143	(R15C)	RL 1.6	RL -21.65	41
		A	ACQUISITION LOT 162	OT 162
621	(R22)	RL - 1.35	RL -25.55	220
	(R23)	RL -11.43	RL-27.0	498
616	(R26)	RL -10.97	RL -27.9	935
ELIZABETH STREET	(R27)	RL-6.1	RL -31.1	2176
821	(R28)	RL-5:4	RL -27.65	999
	(R29)	RL -3.85	RL -26.55	936
	(R30)	RL-8.46	RL -25.0	217
1519	(R24)	RL -11,43	RL - 27.0	119
CANIFBELL STREET	(R25)	RL-10.97	RL -27.9	122
29 EDDY AVENUE	(R31)	RL 3.65	RL -19.7	1470
BL	(R32)	RL-6.1	RL -31.1	9
FOSTER STREET	(R33)	RL-6.1	RL-31.1	خبئز
			ACQUISITION LOT 163	OT 163
LIVERPOOLSTREET	(R10)	RL 9.35	RL -11.15	910
951		Ä	ACQUISITION LOT 164	OT 164
GOULBURN STREET	(R16)	0.4%	RI - 19 5	153

LOT 1 DP 69997 LOT 1 DP 780004 LOT 1 DP 1087249 LOT 3 DP 780001

(SN1) (SN2) (SN3) (SN4) (SN10) (SN11) (SN11) (SN12) (SN12) (SN12) (SN21) (SN22) (SN22) (SN22) (SN22) (SN22) (SN23) (SN28) (SN28) (SN28) (SN29) (SN29) (SN30) (SN30) (SN30) (SN30)

RL 19 RL 19

CP SP 46628

CP SP 83567

CP SP 40414

LOT 10 DP 857070

RL 13.5 RL 11.5 RL 11.5 RL 9.55 RL 9.55 RL 9.55

RL -9.5 RL -11.5 RL -11.5 RL -13.45 RL -13.45 RL -15.4

192 2 1

LOT 1 DP 66428

LOT 1 DP 780000

LOT 1 DP 68747

LOT 1 DP 57617

LOT 22 DP 827813

(\$N6) (\$N7) (\$N15) (\$N16) (\$N17) (\$N18) (\$N18) (\$N19) (\$N31) (\$N31) (\$N34) (\$N34)

RL 22 RL 23 RL 23 RL 21 RL 21 RL 21 RL 21 RL 20 RL 20 RL 20 RL 20 RL 20

RL 8.05 RL 6.05 RL 4.25 RL 4.25 RL 2.4

RL -13.05 RL -13.05 RL -15.0 RL -16.85 RL -18.7 RL -18.7 RL -20.5 RL -18.7

10 8 8 55 276 519 119 362 8 139 200

LOT 21 DP 827813

LOT 1 DP 816173

LOT 24 DP 827813

LOT 1 DP 203829

RL 2.4 RL -20.5
RL 0.55 RL -22.45
ACQUISITION LOT 161

RL 4.25

TABLE OF ROAD OWNERSHIP

STREET	IIVERDOOI STREET-CASTIEREAGH	LIVERPOOL STREET-PITT STREET	EDDY AVENUE			ELIZABETH STREET C		BLACKBURN STREET, FOSTER STREET O.S. L	CAMPBELL STREET GO	GO GEOGRAN STREET	GOLII BLIBN STREET GO	LIVERPOOL STREET GO	PITT STREET GO	CASTLEREAGH STREET GO	
O.S. LAND PART ALLOTMENT 2 SEC 14, CT 2056-135		CT 14545- 168	GOVT GAZ 20/3/1931 FOL 1186	CT 2990-6	GOVT GAZ 14/9/1910 FOL 5060, CT 1940-34,35,36,37, RES CT 2331-32,	O.S. LAND PROCLAIMED ROAD GOVT GAZ 26/4/1850 FOL 686	GOVT GAZ 20/3/1931 FOL 1186	O.S. LAND GRANT TO NICHOLAS ASPINALL 19/10/1831 SERIAL 29 PG51	GOVT GAZ 31/12/1834 SYDNEY CORPORATION ACT 1932 FOL 920	GOVT GAZ OCT 1927 FOL not determined	GOVT GAZ 31/12/1834 SYDNEY CORPORATION ACT 1932 FOL 920	GOVT GAZ 31/12/1834 SYDNEY CORPORATION ACT 1932 FOL 920	GOVT GAZ 31/12/1834 SYDNEY CORPORATION ACT 1932 FOL 920	GOVT GAZ 31/12/1834 SYDNEY CORPORATION ACT 1932 FOL 920	

PLAN FORM 6 (2013)

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN A	DMINISTRATION SHEET Sheet 1 of 2 sheet(s)
Registered: 0ffice Use Only	Office Use Only
Title System: TORRENS & OLD SYSTEM	DP1231790
ACOURSTION	
ruipose.	LOA- OVENEY
PLAN OF ACQUISITION FOR RAILWAY PURPOSES	LGA: SYDNEY
	Locality: SYDNEY
	Parish: ST LAWRENCE, ALEXANDRIA
	County: CUMBERLAND
Crown Lands NSW/Western Lands Office Approval	Survey Certificate
I, (Authorised Officer) in	I, JOHN NELSON PETERSEN
approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given.	of RPS AUST EAST PTY LTD
Signature:	a surveyor registered under the Surveying and Spatial Information Act 2002, certify that:
Date:	*(a) The land shown in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate
Office:	and the survey was completed on 12.05.2017
	*(b) The part of the land shown in the plan (*being/*excluding ^)
Subdivision Certificate I,	was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate and the survey-was completed on,the part not surveyed was compiled in accordance with that Regulation.
the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.	*(c) The land shown in this plan was compiled in accordance with the Surveying and Spatial Information Regulation 2012. Signature:
Signature;	Surveyor ID: //831
Accreditation number:	Datum Line: '/X"-"Y"
Consent Authority:	Type: *Urban/*Rural
Date of endorsement:	The terrain is *Level-Undulating / *Steep-Mountainous.
File number:	****
	*Strike through if inapplicable. ^Specify the land actually surveyed or specify any land shown in the plan that
*Strike through if inapplicable.	is not the subject of the survey.
Statements of intention to dedicate public roads, create public reserves and drainage reserves, acquire/resume land.	Plans used in the preparation of survey/compilation.
IT IS INTENDED TO ACQUIRE LOTS 160-164 INCLUSIVE FOR RAILWAY PURPOSES	DP 5771, DP 57617, DP 63553, DP 66428, DP 68747, DP 69997, DP 203829, DP 205102, DP 227840, DP 229733, DP 542670, DP 706240, DP 780000, DP 780001, DP 780004, DP 816173, DP 827813, DP 857070, DP 868834, DP 923655, DP 1046932, DP 1067328, DP 1087249, DP 1091062, DP 1172740, SP 40414, SP 46628, SP 83567
	V to the first and the property of the pr
Signatures, Seals and Section 88B Statements should appear on	If space is insufficient continue on PLAN FORM 6A
PLAN FORM 6A	Surveyor's Reference: PR124856-DP16 2017M7100(792 & 799), EXEMPTION No.16/070-072

ePlan WARNING: Creasing or folding will lead to rejection **PLAN FORM 6A (2012) DEPOSITED PLAN ADMINISTRATION SHEET** Sheet 2 of 2 sheet(s) Office Use Only Office Use Only 14.5.2018 Registered: DP1231790 PLAN OF ACQUISITION FOR RAILWAY PURPOSES This sheet is for the provision of the following information as required: • A schedule of lots and addresses - See 60(c) SSI Regulation 2012 · Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919 • Signatures and seals- see 195D Conveyancing Act 1919 Subdivision Certificate number: · Any information which cannot fit in the appropriate panel of sheet 1 of Date of Endorsement: the administration sheets.

Surveyor's Reference: PR124856-DP16 2017M7100(792 & 799), EXEMPTION No. 16/070-072



In the event that the proposed works trigger any one of the above conditions:

- do not commence works;
- contact Sydney Metro via email smcswdbyd@transport.nsw.gov.au;
- provide sufficient information to Sydney Metro to enable accurate review of the proposed work; and
- await positive confirmation from Sydney Metro that the works are allowed to proceed.

Any further information you may require can be requested during this contact.

You must:

- provide Sydney Metro with information about the proposed works with sufficient time to allow for adjustments to meet Sydney Metro's requirements;
- not modify the extent of work in the vicinity of the tunnels without prior notification to Sydney Metro:
- exercise due care and take all reasonable precautions in the vicinity where underground assets are indicated to avoid destroying, damaging or interfering with Sydney Metro assets and infrastructure:
- not relocate or alter any Sydney Metro tunnel assets or infrastructure under any circumstance;
- immediately notify Sydney Metro of any damage or threat of damage to its infrastructure that occurs as a result of your work, by telephoning the emergency contact number 1800 019 989; and
- ensure information provided in this response is printed and remains available on-site at all times throughout your construction phase.

Due to the inherent dangers associated with excavation in the vicinity of underground tunnel assets, precautions should be taken in the undertaking of any excavation or underground works, including, but not limited to the following:

- all personnel must be properly briefed, particularly those associated with the use of earthmoving equipment, trenching, boring and pneumatic equipment; and
- all excavations by you must be undertaken in accordance with all relevant laws and regulations including, in accordance with but not limited to, Work Cover NSW "Work near underground assets: Guide" and "Work Cover NSW "Excavation work: Code of practice".

You will be held responsible for any damage to any of Sydney Metro's assets or infrastructure or other loss caused (including consequential loss) as a result of excavation or earthworks by you or on your behalf.

The provision of the attached drawing/s does not provide approval for your proposed works or diminish your obligations under NSW legislation. This includes the requirement to contact Sydney Metro prior to any work commencing which could affect our assets to discuss necessary safety and design aspects as detailed above.

Yours sincerely,



Guide to reading Sydney Water DBYD Plans

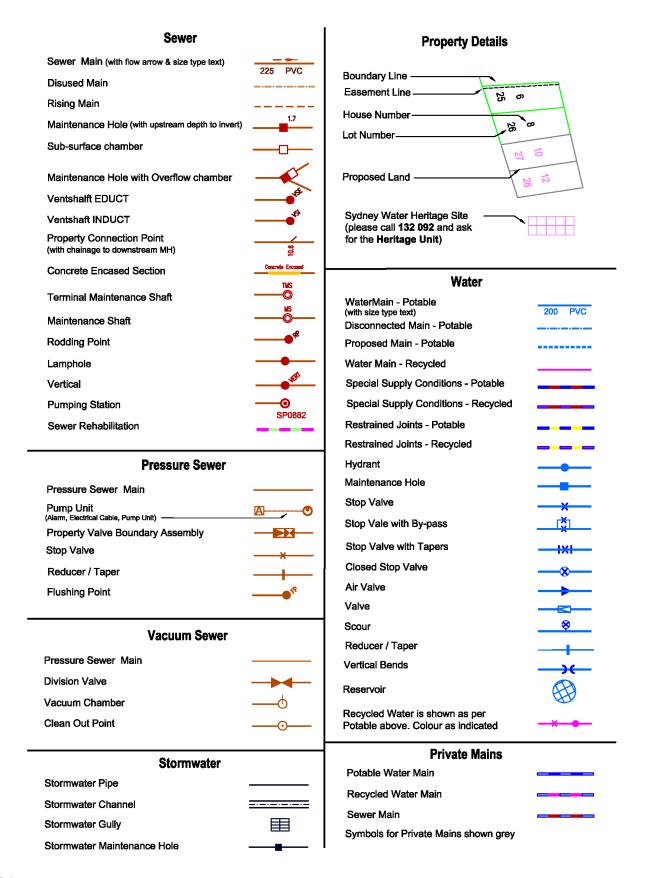




Asset Information



Legend



February 2015





IMPORTANT INFORMATION - DIAL BEFORE YOU DIG

Attention: You must read the information below

The material provided or made available to you by Sydney Water (including on the Sydney Water website) in relation to your Dial Before You Dig enquiry (**Information**) is provided on each of the following conditions, which you are taken to have accepted by using the Information:

- The Information has been generated by an automated system based on the area highlighted in the "Locality Indication Only" window on your Caller Confirmation. It is your responsibility to ensure that the dig site is properly defined when submitting your Dial Before You Dig enquiry and, if the Information does not match the dig site, to resubmit your enquiry for the correct dig site.
- Neither Sydney Water nor Dial Before You Dig make any representation or give any guarantee, warranty or undertaking (express or implied) as to the currency, accuracy, completeness, effectiveness or reliability of the Information. The Information, including Sydney Water plans and work-as-executed diagrams, amongst other things:
 - (a) may not show all existing structures, including Sydney Water's pipelines, particularly in relation to newer developments and in relation to structures owned by parties who do not participate in the Dial Before You Dig service:
 - (b) may be out of date and not show changes to surface levels, road alignments, fences, buildings and the like;
 - (c) is approximate only and is therefore not suitable for scaling purposes; and
 - (d) does not show locations of property services (often called house service lines) belonging to or servicing individual customers, which are usually connected to Sydney Water's structures.
- 3 You are responsible for, amongst other things:
 - (a) exposing underground structures, including Sydney Water's pipelines, by pot-holing using hand-held tools or vacuum techniques so as to determine the precise location and extent of structures before any mechanical means of excavation are used;
 - (b) the safe and proper excavation of and for underground works and structures, including having regard to the fact that asbestos cement pipelines, which can pose a risk to health, may form part of Sydney Water's water and sewerage reticulation systems;
 - (c) protecting underground structures, including Sydney Water's pipelines, from damage and interference:
 - (d) maintaining minimum clearances between Sydney Water's structures and structures belonging to others;
 - (e) ensuring that backfilling of excavation work in the vicinity of Sydney Water's structures complies with Sydney Water's standards contained on its website or otherwise communicated to you;
 - (f) notifying Sydney Water immediately of any damage caused or threat of damage to Sydney Water's structures;
 - (g) ensuring that plans are approved by Sydney Water (usually signified by stamping) prior to landscaping or building over or in the vicinity of any Sydney Water structure; and
 - (h) ensuring that the Information is used only for the purposes for which Sydney Water and Dial Before You Dig intended.

- 4 You acknowledge that you use the Information at your own risk. In consideration for the provision of the Dial Before You Dig service and the Information by Sydney Water and Dial Before You Dig, to the fullest extent permitted by law:
 - (a) all conditions and guarantees concerning the Information (whether as to quality, outcome, fitness, care, skill or otherwise) expressed or implied by statute, common law, equity, trade, custom or usage or otherwise are expressly excluded and to the extent that those statutory guarantees cannot be excluded, the liability of Sydney Water and Dial Before You Dig to you is limited to either of the following as nominated by Sydney Water in its discretion, which you agree is your only remedy:
 - (i) the supplying of the Information again; or
 - (ii) payment of the cost of having the Information supplied again;
 - (b) in no event will Sydney Water or Dial Before You Dig be liable for, and you release Sydney Water and Dial Before You Dig from, any Loss arising from or in connection with the Information, including the use of or inability to use the Information and delay in the provision of the Information:
 - (j) whether arising under statute or in contract, tort or any other legal doctrine, including any negligent act, omission or default (including wilful default) by Sydney Water or Dial Before You Dig; and
 - (ii) regardless of whether Sydney Water or Dial Before You Dig are or ought to have been aware of, or advised of, the possibility of such loss, costs or damages;
 - (c) you will indemnify Sydney Water and Dial Before You Dig against any Loss arising from or in connection with Sydney Water providing incorrect or incomplete information to you in connection with the Dial Before You Dig service; and
 - (d) you assume all risks associated with the use of the Dial Before You Dig and Sydney Water websites, including risk to your computer, software or data being damaged by any virus, and you release and discharge Sydney Water and Dial Before You Dig from all Loss which might arise in respect of your use of the websites.
- "Sydney Water" means Sydney Water Corporation and its employees, agents, representatives and contractors. "Dial Before You Dig" means Dial Before You Dig Incorporated and its employees, agents, representatives and contractors. References to "you" include references to your employees, agents, representatives, contractors and anyone else using the Information. References to "Loss" include any loss, cost, expense, claim, liability or damage (including arising in connection with personal injury, death or any damage to or loss of property and economic or consequential loss, lost profits, loss of revenue, loss of management time, opportunity costs or special damages). To the extent of any inconsistency, the conditions in this document will prevail over any other information provided to you by Sydney Water and Dial Before You Dig.

In an emergency, or to notify Sydney Water of damage or threats to its structures, call 13 20 90 (24 hours, 7 days)

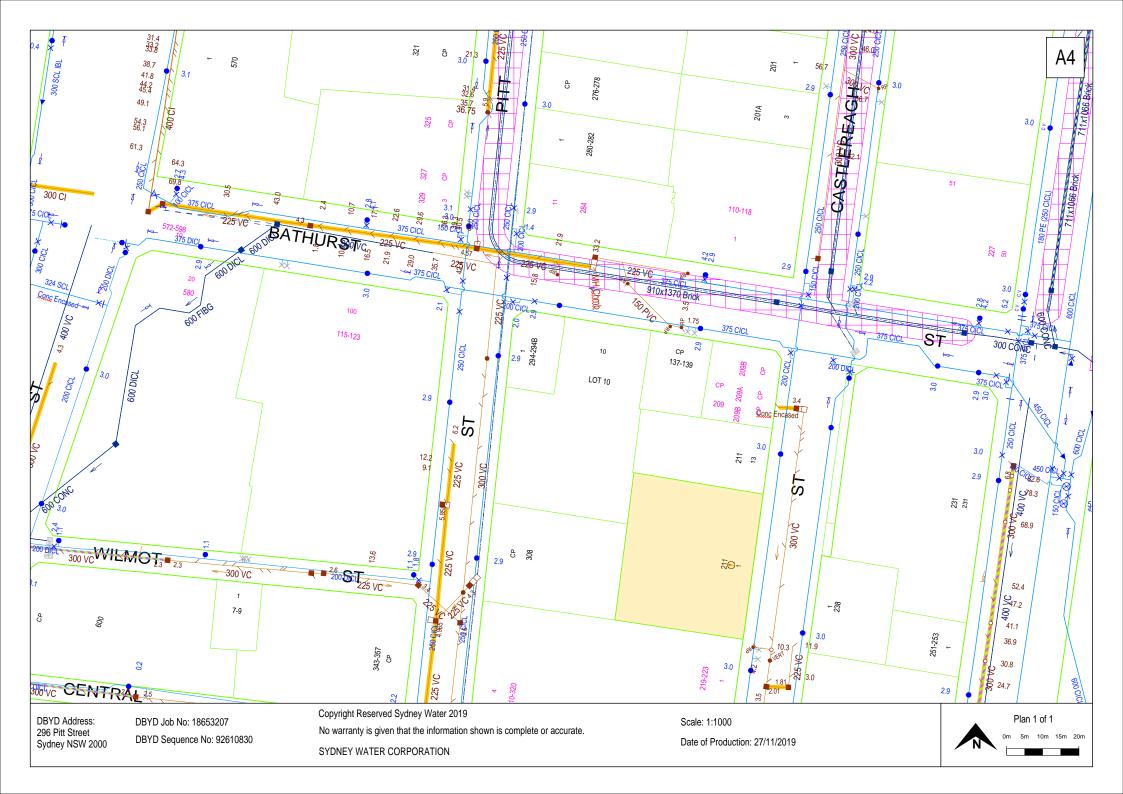
Further information and guidance is available in the Building Development and Plumbing section of Sydney Water's website at www.sydneywater.com.au, where you will find the following documents under 'Dial Before You Dig':

- Avoid Damaging Water and Sewer Pipelines
- Water Main Symbols
- Depths of Mains
- Guidelines for Building Over/Adjacent to Sydney Water Assets
- Clearances Between Underground Services

Or call 13 20 92 for Customer Enquires.

Note: The lodging of enquiries via **www.1100.com.au** will enable you to receive colour plans in PDF format 24 hours a day, 7 days a week via email.

This communication is confidential. If you are not the intended recipient, please destroy all copies immediately. Sydney Water Corporation prohibits unauthorised copying or distribution of this communication.





Asset Information



Pipe Types

ABS	Acrylonitrile Butadiene Styrene	AC	Asbestos Cement
BRICK	Brick	CI	Cast Iron
CICL	Cast Iron Cement Lined	CONC	Concrete
COPPER	Copper	DI	Ductile Iron
DICL	Ductile Iron Cement (mortar) Lined	DIPL	Ductile Iron Polymeric Lined
EW	Earthenware	FIBG	Fibreglass
FL BAR	Forged Locking Bar	GI	Galvanised Iron
GRP	Glass Reinforced Plastics	HDPE	High Density Polyethylene
MS	Mild Steel	MSCL	Mild Steel Cement Lined
PE	Polyethylene	PC	Polymer Concrete
PP	Polypropylene	PVC	Polyvinylchloride
PVC - M	Polyvinylchloride, Modified	PVC - O	Polyvinylchloride, Oriented
PVC - U	Polyvinylchloride, Unplasticised	RC	Reinforced Concrete
RC-PL	Reinforced Concrete Plastics Lined	S	Steel
SCL	Steel Cement (mortar) Lined	SCL IBL	Steel Cement Lined Internal Bitumen Lined
SGW	Salt Glazed Ware	SPL	Steel Polymeric Lined
SS	Stainless Steel	STONE	Stone
vc	Vitrified Clay	WI	Wrought Iron
ws	Woodstave		

Further Information

Please consult the <u>Dial Before You Dig enquiries</u> page on the Sydney Water website

For general enquiries please call the Customer Contact Centre on 132 092

In an emergency, or to notify Sydney Water of damage or threats to its structures, call 13 20 90 (24 hours, 7 days)

February 2015

TELSTRA ACCREDITED PLANT LOCATORS

NEW SOUTH WALES - CENTRAL REGION



Location of Telstra Cables & Network – including Optic Fibre, must be performed by a locator with current Telstra Accreditation for Cable & Plant Locators. All Telstra Accredited Plant Locators have passed rigorous skills and knowledge testing by Dial Before You Dig as indicated by the DBYD Certified Locator symbol.



All Telstra Accredited Plant Locators carry an official Telstra Accreditation photo ID card – valid only while working for the business named on the card. This card will be produced on request.



Telstra plans are intended to be indicative only.

A Telstra Accredited plant location service is required to identify the exact location of the plant and ensure that the infrastructure is protected during construction or excavation work. It is your responsibility as part of your 'Duty of Care' to engage a Telstra Accredited Plant Locator.

ONLY TELSTRA ACCREDITED PLANT LOCATORS HOLD PERMISSION TO ACCESS TELSTRA PITS & MANHOLES FOR THE PURPOSE OF CABLE & PLANT LOCATIONS

Contact a Telstra Accredited Locator from the pages following (FEES APPLY)





TELSTRA CORPORATION ACN 051 775 556

IMPORTANT:

When working in the vicinity of telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. The 5 P's to prevent damage to Telstra assets are listed below. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

(The following pages contain more detail on each step below and the contact details to seek further advice. AS5488-2013 is the Australian Standard for the Classification of Subsurface Utility Information.)

1 PLAN:

The essential first step in preventing damage -

You must have current <u>Telstra</u> plans via the DBYD process. <u>Telstra</u> advises that the accuracy of the information provided by <u>Telstra</u> conforms to Quality Level D as defined in AS5488-2013. This means the information is indicative only, not a precise location. <u>The actual location may differ substantially from that shown on the plans</u> - refer to steps 2 & 3 to determine actual location prior to proceeding with construction.

2 PREPARE:

The essential second step in preventing damage -

Engage a Telstra Accredited Plant Locator. To be able to trace and identify individual subsurface cables and ducts requires access to Telstra pits and manholes. Only a Telstra Accredited Plant Locator (TAPL) is authorised to access Telstra network for locating purposes. A TAPL can interpret plans, validate visible assets and access pits and manholes to undertake electronic detection of underground assets prior to further validation. All Telstra assets must be located, validated and protected prior to commencing construction. If you are not authorised to do so by Telstra, you must not access Telstra network or locate Telstra network. All Telstra Accredited Plant Locators are required to have DBYD Locator Certification.

3 POTHOLE:

The essential third step in preventing damage -

All Telstra assets must be positively identified (i.e. validated), by physically sighting them. For underground assets this can be done by potholing by hand or using non-destructive vacuum extraction methods (Refer to 'validation' as defined in AS5488-2013 QL-A). **Underground assets located by electronic detection alone (step 2), are not deemed to be 'validated' and must not be used for construction purposes.** Some TAPL's can assist with non-destructive potholing for validation purposes. **If you cannot validate the Telstra network, you must not proceed with construction**. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

4 PROTECT:

The essential fourth step in preventing damage -

Telstra assets must be protected to avoid damage from construction activities. Minimum working distances around Telstra network must be maintained. These distances are provided in this document. Telstra can also provide advice and assistance in regards to protection – refer to the following pages.

5 PROCEED:

Only proceed when the above steps have been completed.

STEP 1 - PLAN Dial Before You Dig / Telstra Plans

The actual location of <u>Telstra</u> assets may differ substantially from that shown on the plans. <u>Telstra</u> does not warrant or hold out that its plans are accurate and accepts no responsibility for the accuracy shown on the plans. Steps 2 and 3 must also be undertaken to determine actual location of network.

- Telstra DBYD plans are not suitable for displaying Telstra network within a Telstra exchange site. For advice on Telstra network within a Telstra exchange site contact Telstra Plan Service on 1800 653 935.
- Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.
- Telstra plans or other details are provided only for the use of the applicant, its servants, agents or Telstra Accredited Plant Locators. The applicant must not give the plans or details to any parties other than these, and must not generate profit from commercialising the plans or details.
- Please contact Telstra Plan Services immediately should you locate Telstra assets not indicated on these plans.
- Telstra, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Telstra against any claim or demand for any such loss or damage.
- Please ensure Telstra plans and information provided remains on-site at all times throughout the inspection, location and construction phase of any works.
- Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.
- Emergency situations receiving Telstra plans Telstra's automated mapping system (TAMS) will provide a fast response for emergency situations (faster than an operator can provide manually via a phone call see below for fast response requirements). Automated responses are normally available 24/7.

To receive a fast automated response from Telstra your request must -

- Be a web request lodged at DBYD (www.1100.com.au). The request will be then forwarded to Telstra.
- Contain your current email address so you can receive the automated email response.
- <u>Be</u> for the purposes of <u>'mechanical</u> excavation' or other ground breaking DBYD activity. (Requests with activity types such as conveyancing, planning & design or other non-digging activities may not be responded to until the next business day).
- Be for an area less than 350 metres in size to obtain a PDF map (over 350 metres will default to DWF due to size) this does not include congested CBD areas where only DWF may be supplied.
- ≥ Be for an area less than 2500 metres in size to obtain a DWF map (CBD's less)
- Data Extraction Fees. In some instances a data extraction fee may be applicable for the supply of <u>Telstra</u> information. Typically a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact <u>Telstra</u> Plan Services.
- Electronic plans PDF and DWF maps If you have received Telstra maps via email you will have received the maps as either a PDF file (for smaller areas) or DWF file (for larger area requests). All requests over approximately *350m or in congested CBD areas can only be supplied in DWF format. There are size limits on what can be provided. (* actual size depends on geographic location of requested area). If you are unable to launch any one of the softcopy files for viewing and printing, you may need to download and install one or more of the free viewing and printing products such as Adobe Acrobat Reader (for PDF files) or Autodesk Design Review (for DWF files) available from the internet
 - Pdf files PDF is the default softcopy format for all requests for areas up to approx *350m in length. (*depends on geographic location of request). The PDF file is nominally formatted to A3 portrait sheet however it can be printed on any size sheet that your printer supports, e.g. either as the full sheet or selected areas to suit needs and legibility. (to print a selected area zoom up and print 'current view') If there are multiple layers of Telstra network you may receive up to 2 sheets in the single PDF file attachment supplied. There are three types or layers of network normally recorded local network, mains cables or a combined layer of local and mains (usually displayed for rural or semi-rural areas). If mains cable network is present in addition to local cables (i.e. as separate layer in a particular area), the mains will be shown on a separate sheet. The mains cable information should be read in conjunction with the local cable information.

- DWF files DWF is the default softcopy format for all requests for areas that are over 350m in length. Maximum length for a DWF automated response is approx 2500m depending on geographic location of request (manually-processed plans may provide larger coverage). The DWF files differ from PDF in that DWF are vector files made up of layers that can be turned on or off and are not formatted to a specific sheet size. This makes them ideal for larger areas and for transmitting electronically.
 - How to view Telstra DWF files —
 Telstra DWF files come with all layers turned on. You may need to turn individual layers on or off for viewing and printing clarity. Individual layer names are CC (main cable/conduit), DA (distribution area network) and sometimes a combined layer CAC. Layer details can be viewed by either picking off the side menu or by selecting 'window' then 'layers' off the top menu bar. Use 'layers' to turn individual layers off or on (double click or right click on layer icon).
 - How to print Telstra DWF files –

 DWF files can be printed on any size sheet either their entirety or by selected areas of interest. Some DWF coverage areas are large and are not suited to printing legibly on a single A4 sheet you may need several prints if you only have an A4 printer. Alternatively, an A3, A1 or larger printer could be used. To print, zoom in or out and then, by changing the 'print range' settings, you can print what is displayed on your screen to suit your paper size. If you only have a small printer, e.g. A4, you may need to zoom until the text is legible for printing (which is why you may need several prints). To print what is displayed on your screen the 'view' setting should be changed from 'full page' to 'current view'. The 'current sheet' setting should also be selected. You may need to print layers separately for clarity and legibility. (Details above on how to turn layers on or off)
 - files –

 If using Autodesk Design Review the background colour can be changed by selecting 'Tools' then 'options' then 'sheet'. Tick the box 'override published paper colours' and select the colour required using the tab provided.

How to change the background colour from white to black (when viewing) Telstra DWF

STEP 2 – PREPARE Telstra Accredited Plant Locator (TAPL):

Utilising a TAPL is an essential part of the process to identify network and to trace subsurface network prior to validating. A TAPL can provide plan interpretation, identification and electronic detection. This will assist in determining the position of subsurface assets prior to potholing (validating). Some TAPL's can also assist in validating underground detected network. Electronic detection is only an indication of the existence of underground network and can be subject to interference from other services and local conditions. Electronic detection must not be used solely to determine location for construction purposes. The electronic (indicative) subsurface measurements must be proven by physically sighting the asset (see step 3 – Pothole).

- All TAPL's locating Telstra network must be able to produce a current photo ID card issued by Telstra. A list of TAPL's is provided with the Telstra Dial Before You Dig plans.
- All TAPL's in addition to the Telstra photo ID card must also have current DBYD Locator Certification with ID card.
- Telstra does not permit external parties (non-Telstra) to access or conduct work on Telstra network. Only Telstra staff, Telstra contractors or locators whom are correctly accredited are authorised to work on or access Telstra manholes, pits, ducts, cables etc. This is for safety as well as for legal reasons.
- The details of any contract, agreement or retainer for site assistance to locate telecommunications plant shall be for you to decide and agree with the Telstra Accredited Plant Locator engaged. Telstra is not a party to any contract entered into between you and a Telstra Accredited Plant Locator.
- Payment for the site assistance will be your responsibility and payment details must be agreed before the engagement is confirmed.
- Telstra does not accept any liability or responsibility for the performance of or advice given by a Telstra Accredited Plant Locator. Accreditation is an initiative taken by Telstra towards the establishment and

- maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.
- Neither the Telstra Accredited Plant Locator nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Telstra Accredited Plant Locator or its employees.

• Electronically derived subsurface measurements (e.g. depths/alignments by locating devices)

All locator provided measurements for Telstra assets must have the AS5488-2013 quality level specified - (e.g. QL-A, B, C or D). These quality levels define the accuracy of subsurface information and are critical for determining how the information is later used – for example if suitable for excavation purposes.

1) An example of a subsurface measurement with **no** quality level specified – (i.e. not to be used)

Telstra cover - 0.9m

The measurement above has no AS5488-2013 quality level specified and **must not** be provided by a locator or <u>used for design or construction.</u> This is because it is not known whether the measurement is actual or derived (where 'actual' means validated and 'derived' means assumed and not validated, e.g. electronic or other). Typically damages occur by constructors incorrectly using <u>unvalidated</u> measurements as actual measurements.

2) An example of a subsurface measurement with quality level B specified -

Telstra cover - 0.9m (QL-B)

Where (QL-B) complies with AS5488-2013 QL-B (for example an electronic location that complies with QL-B)

(Note QL-B means it has <u>not</u> been validated and must not be used for construction purposes around <u>Telstra</u> network, however it would assist further investigation to determine the actual location)

3) An example of a subsurface measurement with the quality level A specified – Telstra cover - 0.6m (QL-A)

Where (QL-A) complies with AS5488-2013 QL-A (and is deemed suitable for excavation purposes). In this example the asset has been electronically located first, (QL-B) and then physically exposed (QL-A).

Note -Telstra will seek compensation for damages caused to it its property and losses caused to <u>Telstra</u> and its customers if <u>unvalidated</u> subsurface measurements are used for construction and subsequently result in damage to <u>Telstra</u> assets. Only measurements conforming to AS5488-2013 (QL-A) are deemed by <u>Telstra</u> to be validated measurements.

• Rural landowners - Rural Locations Subsidy Scheme Where <u>Telstra</u>-owned cable crosses agricultural land, <u>Telstra may</u> provide on-site assistance with cable location. <u>You must contact Telstra</u> Plan Services to determine eligibility and to request the service.

Please note the following -

- If eligible, the <u>location assistance must be approved and organised by Telstra. Telstra</u> will not pay for a location that has not been approved and facilitated by <u>Telstra</u> (<u>Telstra</u> is not responsible for payment assistance when a customer engages a locator directly).
- Telstra will only "subsidise" the location up to \$330 (Incl. GST). This will cover one hour on-site location only, private lead-in locations are for lead-ins 100m or longer. Any time required in addition to Telstra-funded time can be purchased directly from the assigned Telstra Accredited Plant Locator.
- This service does NOT include the use Mechanical Aids or Hydro Excavation (Vac Trucks) to locate and should be discussed between the Accredited Plant Locator and the private rural landowner
- The exact location, including depth of cables, must be validated by potholing, which may not be covered by this service.
- This service is nominally only available to assist private rural land owners.
- This service nominally covers one hour on-site only, private lead-in locations are for lead-ins 100m or longer. Any time required in addition to Telstra-funded time can be purchased directly from the assigned Telstra Accredited Plant Locator.
- This service does not apply to previously located network at the same location (i.e. it is a once off).
- This service does not apply to other carriers' cables (marked as 'OC' on Telstra plans).

STEP 3 - POTHOLE

Validation as defined in AS5488-2013 (QL-A).

After utilising a Telstra Accredited Plant Locator and prior to commencing construction, any electronically detected underground network must be positively identified (validated) by physically sighting it. This can be done by careful hand digging or using non-destructive water jet methods to expose the network.

Manual potholing needs to be undertaken with extreme care and by employing techniques least likely to damage cables. For example, align shovel blades and trowels parallel to the cable rather than digging across the cable. Some <u>Telstra</u> Accredited Plant Locators are able to provide or assist with non-destructive potholing methods to enable validation of underground cables and ducts.

If you cannot validate the underground network then you must not proceed with construction. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

Important note: The construction of Telstra's network dates back over many years. Some of Telstra's pits and ducts were manufactured from asbestos-containing cement. You must take care in conducting any works in the vicinity of Telstra's pits and ducts. You must refrain from in any way disturbing or damaging Telstra's network infrastructure when conducting your works. We recommend that before you conduct any works in the vicinity of Telstra infrastructure that you ensure your processes and procedures eliminate any possibility of disturbing, damaging or interfering in any way with Telstra's infrastructure. Your processes and procedures should incorporate appropriate measures having regard to the nature of this risk. For further information -

http://ucm.in.telstra.com.au/about/media/emergencies-incidents/asbestos/index.htm?ssSourceSiteId=consumer-advice

STEP 4 - Protect:

You must maintain the following minimum clearance distances between construction activity and the validated position of Telstra plant.

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

- For blasting or controlled fire burning please contact <u>Telstra</u> Plan Services.
- If conducting roadworks all existing <u>Telstra</u> pits and manholes must be a minimum of 1.2m in from the back of kerb after the completion of your work.
- After the completion of any ground work in footways or roadway whereby the existing levels are being
 changed the depth of cover of the existing Telstra asset at the completion of work must not be less than the
 existing level before work commenced.

Regardless of whether the surface is being raised or lowered, any work impacting the depth of cover of <u>Telstra</u> underground assets should not commence before consultation with <u>Telstra</u> Network Integrity representatives, to discuss the possibility of 'protection' or relocation (including lowering of the asset)".

- For clearance distances relating to <u>Telstra</u> pillars, cabinets and <u>RIMs/RCMs</u> please contact <u>Telstra</u> Plan Services.
- If Telstra plant is situated wholly or partly where you plan to work (i.e. in conflict, where a pit or manhole would be in a driveway or other vehicle thoroughfare), then Telstra's Network Integrity Group must be contacted to discuss possible engineering solutions to protect Telstra assets.

 Please phone 1800 810 443 or email NetworkIntegrity@team.telstra.com
- You are not permitted to relocate or alter or repair any <u>Telstra</u> assets or network under any circumstances.

It is a criminal offence under the *Criminal Code Act 1995* (Cth) to tamper or interfere with communication facilities owned by a carrier. Heavy penalties may apply for breach of this prohibition, and any damages suffered, or costs incurred by <u>Telstra</u> as a result of any such unauthorised works may be claimed against you.

Only <u>Telstra</u> and its contractors may access and conduct works on <u>Telstra's</u> network (including its plant and assets). This requirement is to ensure that <u>Telstra</u> can protect the integrity of its network, avoid disruption to services and ensure that the relocation meets <u>Telstra's</u> requirements.

If Telstra relocation or protection works are part of the agreed solution, then payment to Telstra for the cost of
this work shall be the responsibility of the principal developer, constructor or person for whom the work is
performed. The principal developer or constructor will be required to provide Telstra with the details of their
proposed work showing how Telstra's plant is to be accommodated and these details must be approved by the
Regional Network Integrity Manager prior to the commencement of site works.
 Please phone 1800 810 443 or email NetworkIntegrity@team.telstra.com
 Further information -

Damage to Telstra's network must be reported immediately -

https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment

https://www.telstra.com.au/consumer-advice/digging-construction/relocating-network-assets

- You will be held responsible for all plant damage that occurs or any impacts to <u>Telstra's</u> network as a result of
 your construction activities. This includes interfering with plant, conducting unauthorised modification works
 and interfering with <u>Telstra's</u> assets in a way that prevents <u>Telstra</u> from accessing or using its assets in the
 future.
- Telstra reserves all rights to recover compensation for loss or damage to its cable network or other property including consequential losses.

FURTHER INFORMATION - CONTACTS

NATURAL DISASTERS

Natural Disasters include (amongst other things) earthquakes, cyclones, floods and tsunamis. In the case of such events, urgent requests for plans or information relating to the location of <u>Telstra</u> network can be made directly to <u>Telstra</u> Network Integrity Team Managers as follows:

NSW – John <u>McInerney</u> 0419 485 795 NT/WA/QLD – Glenn Swift 0419 660 147 SA/VIC/TAS - David Povazan 0417 300 947

TELSTRA PLAN SERVICES - for all <u>Telstra</u> Dial Before You Dig related enquiries

Email - Telstra.Plans@team.telstra.com

Phone - 1800 653 935 (general enquiries, business hours only)

Accredited plant locator enquiries - Glen (07)34551011

Telstra easements - Glen (07)34551011

Information for new developments (developers, builders, home owners)

Telstra Smart Communities - https://www.telstra.com.au/smart-community

Asset relocations

Please phone 1800 810 443 or email NetworkIntegrity@team.telstra.com

https://www.telstra.com.au/consumer-advice/digging-construction/relocating-network-assets

Telstra offers free Cable Awareness Presentations, if you believe you or your company would benefit from this offer please contact Network Integrity on 1800 810 443 or NetworkIntegrity@team.telstra.com

PRIVACY NOTE

Your information has been provided to <u>Telstra</u> by DBYD to enable <u>Telstra</u> to respond to your DBYD request. <u>Telstra</u> keeps your information in accordance with its privacy statement entitled "Protecting Your Privacy" which can be obtained from <u>Telstra</u> either by calling 1800 039 059 or visiting our website at <u>www.telstra.com.au/privacy</u>

^{*}Please note - to make a Telstra plan enquiry the plans must be current (within 60 days of issue). If your plans have expired you will need to submit a new request via DBYD prior to contacting Telstra Plan Services.

LEGEND

For more info contact a Telstra Accredited Locater or Telstra Plan Services 1800 653 935 Exchange Cable jointing pit (major cable present) (number indicating pit type) Footway access chamber Elevated cable joint (above ground joint on buried cable) (can vary from 1-lid to 12-lid) Telstra Plant in shared utility trench Pillar/cabinet (above the ground / free standing) Aerial Cable (above ground) Above ground complex equipment housing (eg RIM) **Aerial Cable** Please Note: This equipment is (attached to joint use pole e.g. power) powered by 240V electricity. Direct buried cable OC other carrier Marker post installed **Buried transponder** P20 2 pair lead-in to property from pit in street Marker, transponder 059 1 pair working (pair ID 059) 1DEAD 1 pair dead (i.e. spare, not connected) SMOF — Optical fibre cable direct buried Single to multiple round conduit Some examples of conduit type and size: Configurations 1, 2, 4, 9 respectively A - Asbestos cement, P - PVC / plastic, C - Concrete, P100 (Attached text denotes conduit type and size) GI - Galvanised iron, E - Earthenware. Conduit sizes nominally range from 20mm to 100mm. P50 50mm PVC conduit Multiple square conduit 100mm PVC conduit P100 Configurations 2, 4, 6 respectively A100 100mm asbestos cement conduit E 85 85mm square earthenware conduit E85 (Attached text denotes conduit type and size) Some examples of how to read Telstra plans: - 50 -One 50mm PVC conduit (P50) containing a 50-pair and a 10-pair cable 10 between two 6-pits, 20.0m apart, with a direct buried 30-pair cable 30 along the same route. 20.0 Two separate conduit runs between two footway AA - fcable information! @O AB - [cable information] access chambers (manholes) 245m apart. A BA - [cable information] C100 nest of four 100mm PVC conduits (P100) P100 containing assorted cables in three ducts (one being empty) and one empty 100mm concrete

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

245.0

duct (C100) along the same route.

WE CONNECT

Company Name & service areas	Pothole Service		
1 300 B4UDIG.	1 0111010 001 1100	1300 248 344	Phone
1 300 B40DIG.	YES	1300 246 344	Mobile
	VACUUM		Fax
	EXCAVATOR	admin@1300b4udig.com.au	Email
	EXCAVATOR	www.1300b4udig.com.au	Web
A4 Vec 9 Leastion	YES		Mobile
A1 Vac & Location.	HAND DIG &	Adam - 0404 958 023	
Port Macquarie, Laurieton, Wauchope, Kempsey, Central	VACUUM	la comi a a cara de la la transita a cara	Fax
District, Orana District, New England Region, Nambucca,		hurricane.gale@hotmail.com	Email
Buladelha	EXCAVATOR	00.4500.0000	Web
Abitek Pty Ltd.	NO	02 4580 9883	Phone
	NO	0413 327 243	Mobile
		1 % 1 61 %	Fax
		abitek@bigpond.com	Email
			Web
ACT Locating & Inspection Services Pty Ltd.			Phone
ACT QBYN & NSW	NO	0438 630 852	Mobile
			Fax
		tp@actloc.com.au	Email
			Web
Action Locating.		02 9671 5600	Phone
Sydney, Gosford,	NO	0415 228 466	Mobile
Newcastle, Wollongong			Fax
and Blue Mountains.		info@actionlocating.com.au	Email
		www.actionlocating.com.au	Web
Advanced Ground Locations Pty Ltd.		02 4930 3195	Phone
Newcastle,	YES	0412 497 488	Mobile
Hunter Valley,	HAND DIG &	0112 101 100	Fax
Central Coast	VACUUM	steve_agl@hotmail.com	Email
Contrar Codet	EXCAVATOR	www.advancedgroundlocations.com	Web
Aqua Freeze & Locate Pty Ltd	EXONUM	www.aavaneeagrounaroeatrons.com	Phone
Sydney, Blue Mountains		0458 774 440	Mobile
Sydney, Blue Mountains	Yes	0430 774 440	Fax
	163	service@aquafreeze.com.au	Email
		www.aquafreeze.com.au	Web
Aquabend Utility Detection.		www.aquaneeze.com.au	Phone
Central Coast &	YES	0409 925 472	Mobile
Mid North Coast	HAND DIG &	0409 925 472	
Mid North Coast	VACUUM		Fax
	EXCAVATOR	aquabend@hotmail.com	Email
Accet Complex Location	EXCAVATOR		Web
Asset Service Locating	YES	0440.054.504	Phone
NSW The North West, Riverina, Central West, Sydney,		0449 854 501	Mobile
Blue Mountains	HAND DIG		Fax
	VACUUM	k.p.hanrahan@hotmail.com	Email
	EXCAVATOR		Web
Australian Locating Services Pty Ltd.	\/T0	1300 761 545	Phone
Sydney Metro, North, South, East & West	YES		Mobile
Central Coast, Penrith & Blue Mountains	VACUUM		Fax
Sutherland Shire, Illawarra & Wollongong	EXCAVATOR	admin@locating.com.au	Email
		www.locating.com.au	Web
Australian Subsurface Pty Ltd.			Phone
All of ACT & NSW	YES	0427 879 600	Mobile
	VACUUM		Fax
	EXCAVATOR	admin@australiansubsurface.com	Email
		www.australiansubsurface.com	Web
Australian Utilities Management Pty Ltd.		02 9680 0738	Phone
Central Coast	YES	0424 537 952	Mobile
Sydney & Blue Mountains	VACUUM		Fax
	EXCAVATOR	bookings@ausutilities.com.au	Email
	I .	www.ausutilities.com.au	Web
BCE Spatial Pty Ltd.		0437 217 049	Mobile
BCE Spatial Pty Ltd. WA - all areas Metro and Country	YES		Mobile Mobile
WA - all areas Metro and Country	YES HAND DIG &	0437 217 049	
		0437 217 049	Mobile

Teistra Accredited Flam Locators	TVCVV JOU	tii vvaics. CEIVITAL	
Bradmac Locating Services Pty Ltd.	No		Phone
Sydney Metro, Bathurst, Lithgow,	NO	0434 157 409	Mobile
Mudgee, Mittagong, Campbelltown		brad man@bignand.com	Fax Email
		brad.mac@bigpond.com	Web
Brandon Construction Services Pty Ltd.			Phone
Sydney metro and surrounding districts,	NO	0438 044 008	Mobile
other country NSW areas on request		0.100 011 000	Fax
		liam.bolger@hotmail.com	Email
		***************************************	Web
Broken Hill Mini Excavation & Traffic Control Pty Ltd	YES		Phone
NSW The Far West, Orana, Albury	HAND DIG &	0418 117 114	Mobile
VIC The Murray	VACUUM		Fax
SA The Outback	EXCAVATOR	bhtrafficcontrol@hotmail.com	Email
			Web
BurCo Plumbing Services Pty Ltd.	VEO	03 5024 7660	Phone
Sunraysia Victoria, Swan Hill VIC,	YES	0428 768 241	Mobile
Broken Hill NSW, Wentworth NSW,	VACUUM EXCAVATOR	daya @hyyraanlyyrahina a aara ay	Fax
Riverland SA	EXCAVATOR	dave@burcoplumbing.com.au www.burcoplumbing.com.au	Email
Chris Bates & Associates.		02 4928 1519	Web Phone
Newcastle	NO	02 4928 1319	Mobile
Hunter Valley	140	0400 427 331	Fax
Central Coast		chrisbatesandassociates@yahoo.com.a	Email
Mid North Coast		<u>u</u>	Linaii
Civilscan (Monstar Management Pty Ltd).			Phone
Sydney, Blue Mountains	YES	0416 068 060	Mobile
Central Coast , Illawarra	HAND DIG &		Fax
Southern Highlands	VACUUM	civilscan@bigpond.com	Email
•	EXCAVATOR	www.civilscan.com.au	Web
Construction Sciences Pty Ltd.		07 3320 8572	Phone
Australia Wide	YES		Mobile
	VACUUM		Fax
	EXCAVATOR	csutilities@constructionsciences.net	Email
		www.constructionsciences.nett	Web
CRUX Surveying Australia Pty Ltd.	NO	02 9541 9940	Phone
Sydney Metro and surrounding areas	NO	0404 850 381	Mobile
		scottallican @aruvour.coving.com.cu	Fax Email
		scottallison@cruxsurveying.com.au www.cruxsurveying.com.au	Web
DATATEKS Pty Ltd.		02 6971 7777	Phone
All regional areas	YES	0408 693 660	Mobile
7 iii Togichar aroac	VACUUM	0.100.000.000	Fax
	EXCAVATOR	gilbertcook@datateks.com.au	Email
		www.datateks.com.au	Web
DEETECT Pty Ltd		02 6278 7548	Phone
ACT and NSW	NO	0414 630 852	Mobile
			Fax
		dtech@webone.com.au	Email
			Web
Dowds Pipe & Cable Locating.	No		Phone
Sydney	NO	0434 635 134	Mobile
Wollongong			Fax
South Coast		accounts@pipeandcable.com.au www.pipeandcable.com.au	Email
Highlands Down Under Detection Services.		www.pipeanucable.com.au	Web Phone
Down Under Detection Services.	YES	0418 267 964	Mobile
	VACUUM	0410 207 904	Fax
	EXCAVATOR	apegler@duds.net.au	Email
		www.downunderdetections.com.au	Web
Down Under Pipeline Surveys Pty Ltd.		02 4653 1286	Phone
Orangeville and surrounding districts	YES	0418 675 374	Mobile
	VACUUM	02 4653 1747	Fax
	EXCAVATOR	office@dups.com.au	Email
		www.dups.com.au	Web
Durkin Construction Pty Ltd.		02 9712 0308	Phone
Central Coast, Sydney, Blue Mountains, Central & Far	YES	0452 202 212	Mobile
West, Riverina, North & North West, Clarence River,	VACUUM		Fax
	VACUUM EXCAVATOR	info@durkinconstruction.com.au www.durkinconstruction.com.au	Fax Email Web

Dynamic Hydro Excavations Brisbane, Gold Coast, Toowoomba, Sunshine Coast,	YES	07 5564 8142 0421 406 642	Phone Mobile
Northern NSW, Ballina, Sydney and surrounding districts.	VACUUM EXCAVATOR	sales@dynamicexcavations.com.au	Fax Email
		www.dynamicexcavations.com.au	Web
Earth Radar (Vac group Operations Pty Ltd).		1300 822 835	Phone
	YES	0447 837 267	Mobile
	VACUUM		Fax
	EXCAVATOR	info@actionlocating.com.au	Email
Foot Coast Location Complete	VEC	www.earthradar.com.au	Web
East Coast Locating Services	YES HAND DIG	0424 402 444	Phone
Maitland, Newcastle, Port Stephens, Hunter, Central Coast, Sydney	HAND DIG	0431 193 111	Mobile Fax
Coast, Sydney		eastcoastlocating@hotmail.com	Email
		castooastooating@notmail.com	Web
Elite Locating Services			Phone
NSW - Sydney, Blue Mountains, Central West, Canberra,	YES	0413 743 618	Mobile
Riverina, Southern Tablelands, South West Slopes,	HAND DIG	0413743016	Fax
South Coast, Albury		eliteloc@gmail.com	Email
VIC - Melbourne, Gippsland, Highlands Great Ocean Rd			Web
Epoca Environmental.		02 4739 2465	Phone
All of NSW & ACT	YES	0430 606 948	Mobile
	VACUUM	avalum@anagamuiranmantal.com.av	Fax
	EXCAVATOR	evelyn@epocaenvironmental.com.au www.epocaenvironmental.com.au	Email
G MAC LOCATING.		0488 520 482	Web Mobile
Dubbo, Young, Wagga, Yass, Goulburn, Bathurst,	YES	0408 320 462	Mobile
Orange, Temora, West Wyalong, Forbes	VACUUM	0400 022 420	Fax
& most NSW country regions	EXCAVATOR	enquiries@gmaclocating.com.au	Email
a most nevi oddina y rogione		onquinos ogmasiosamig.com.au	Web
Geoscope Utility Detection Services Pty Ltd.		1300 750 350	Phone
Sydney Metro	YES	0432 296 323	Mobile
Blue Mountains	HAND DIG &		Fax
Southern Highlands	VACUUM	info@geoscopelocating.com.au	Email
Illawarra - South Coast	EXCAVATOR	www.geoscopelocating.com.au	Web
Geotrace Pty Ltd		02 8824 6654	Phone
The Hills District, Blacktown, Bankstown, Rose Bay,	NO	0417 147 945	Mobile
Chatswood, Penrith, Blue Mountains, Hawkesbury		02 8824 5637	Fax
District, Central Coast, Sutherland, Menai, Double Bay, Sydney CBD, Balmain, Richmond, Yagoona		info@geotrace.com.au www.geotrace.com.au	Email Web
GTE1 Pty Ltd		www.geotrace.com.au	Phone
NSW The Far West, Orana, The North, The North West	YES	0438 688 443	Mobile
VIC The Murray	HAND DIG &	0.00 000 1.0	Fax
SA The Outback, Flinders Ranges	VACUUM	office@gte.net.au	Email
•	EXCAVATOR		Web
Hunter Ground Search.		02 4953 1244	Phone
Newcastle, Upper & Lower Hunter Valley,	YES	0418 684 819	Mobile
Central Coast, Central West,	VACUUM	02 4953 1233	Fax
Mid North Coast	EXCAVATOR	huntergroundsearch@bigpond.com	Email
Hudro Diago			Web
Hydro Digga. All of NSW, ACT & South East Qld.	YES	0447 774 000	Phone Mobile
All of NSW, ACT & South East Qig.	VACUUM	0447 774 000	Fax
	EXCAVATOR	locator@hydrodigga.com	Email
		locator @ rryaroargga.com	Web
K & K Directional Drilling.		02 6760 9917	Phone
Tamworth, Gunnedah, Narrabri,	YES	0429 087 657	Mobile
Quirindi, Armidale, North & North West	VACUUM		Fax
NSW all areas	EXCAVATOR	kkdrilling@bigpond.com	Email
			Web
Landmark Surveys Pty Ltd.	VEO	02 6280 9608	Phone
Southern NSW	YES	0413 832 038	Mobile
and ACT areas	HAND DIG & VACUUM	phi@londmorkovarious com	Fax
	EXCAVATOR	phi@landmarksurveys.com.au www.landmarksurveys.com.au	Email Web
LandPartners Pty Ltd	LACAVATOR	07 3842 1000	Phone
NSW Central	NO	0439 488 545 (Roland)	Mobile
Northern NSW		OFOO FOO OFO (INDIAIIU)	Fax
South East Queensland		locators@landpartners.com.au	Email
		www.landpartners.com.au	Web

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Laneyrie Electrical Pty Ltd.		02 4237 9865	Phone
Helensburg, Illawarra, Shoalhaven.	YES	0412 079 079	Mobile
South coast, Southern Tablelands,	VACUUM	0413 048 048	Mobile
Far South coast, Wollongong	EXCAVATOR	bindy@laneyrieelectrical.com.au	Email
		www.laneyrieelectrical.com.au	Web
Locate & Map Pty Ltd.			Phone
Sydney, Wollongong and the Central Coast	NO	0424 404 000	
Sydney, wollongong and the Central Coast	NO	0431 191 669	Mobile
			Fax
		tim@locateandmap.com.au	Email
		www.locateandmap.com.au	Web
t a di mi			
Locate the Pipes		0423 111 925	Phone
VIC - The Murray, The High Country, Melbourne			Mobile
NSW/ACT - Jervis Bay, Riverina, South West Slopes, Far	YES		Fax
South Coast, Albury, Canberra	0	haydan@laaatathaninaa aam ay	Email
South Coast, Albury, Camberra		hayden@locatethepipes.com.au	
			Web
Locaters Pty Ltd.		02 8214 8911	Phone
Sydney, Penrith, Richmond, Macarthur, Wollongong	YES		Mobile
Cyanoy, Forman, Faorimenta, Madararan, Frontingeng	VACUUM		Fax
	EXCAVATOR	info@locators.com.au	Email
		www.locators.com.au	Web
Locating Services Pty Ltd.			Phone
	NO	0402 005 540	
Hawkesbury and all of NSW	NO	0403 065 510	Mobile
			Fax
		sam.romano@locatingservices.com.au	Email
		www.locatingservices.com	Web
		www.iocaungscrviccs.com	
Lyntet Communications (Lynco Pty Ltd).			Phone
Dubbo depot, covering Forbes, Grenfell, Parkes, Bourke,	YES	0409 811 673	Mobile
Bourke North, Nyngan, Coonabarabran, Coonamble,	HAND DIG &		Fax
Mudres Nerrorine Wellington Orange Melang	VACUUM	huntat@hianand.com	
Mudgee, Narromine, Wellington, Orange, Molong,		<u>lyntet@bigpond.com.au</u>	Email
Yeoval, Coolah, Dunedoo, Gilgandra, Mendooran	EXCAVATOR		Web
MB Electrical (Mathew Barratt Electrical Pty Ltd).		08 8088 7933	Phone
Far West NSW - Broken Hill, Menindee, Wilcannia,	YES	00 0000 1000	Mobile
Tibooburra, Ivanhoe & surrounding areas	VACUUM		Fax
	EXCAVATOR	accounts@mbelectrical.net.au	Email
		www.mbelectrical.net.au	Web
Meek Design & Construction Pty Ltd.		www.iiibolootiloai.iiot.aa	
			Phone
Bathurst, Orange, Lithgow, Oberon, Mudgee and	YES	0419 633 483	Mobile
surrounding areas.	VACUUM		Fax
ouriourium g arouor	EXCAVATOR	ron@meekdesign.com.au	Email
	LACAVATOR	ion@meekdesign.com.ad	
			Web
Mr Mac Group.			Phone
Lithgow, Mudgee, Bathurst, Wellington, Goulburn	YES	0447 818 260	Mobile
Ziangow, Maagoo, Baararot, Wollington, Goalban	VACUUM	0111 010 200	Fax
	EXCAVATOR	jon@mrmacgroup.com.au	Email
			Web
Mullane Maintenance Pty Ltd.		1300 608 999	Phone
Newcastle and Hunter Region, Central Coast, Mid-North	NO	1300 000 999	
,	NO		Mobile
Coast		02 4960 8933	Fax
		maintenance@mullane.com.au	Email
		www.mullane.com.au	Web
Newscotte Leasting Complete Divided		www.iiidiidiid.ooiii.ad	
Newcastle Locating Services Pty Ltd.			Phone
Sydney, Central Coast, Hunter Valley, Upper Hunter	YES	0410 698 599	Mobile
Valley, Port Stephens, Muswellbrook, Singleton,	VACUUM		Fax
Slone, Gunnedah, Port Macquarie	EXCAVATOR	undergroundservices@bigpond.com.au	Email
Sione, Cumouan, i oit macquane	EASATAI OIL	www.newcastlelocatingservices.com.au	
			Web
On Point Utility Locating Pty Ltd.		1300 667 646	Phone
Sydney, Parramatta, Penrith, Wollongong, Central Coast,	YES	0499 990 478	Mobile
Highlands, Goulburn, Blue Mountains	VACUUM	3 100 000 170	Fax
riiginarius, Godibarri, Dide Modritairis		into (Control of	
	EXCAVATOR	info@onpointlocating.com.au	Email
		www.onpointlocating.com.au	Web
One Search Locators Pty Ltd.		1300 530 420	Phone
QLD NSW ACT	YES	0499 955 571	Mobile
ALD HOW HOL		0433 300 37 1	
	VACUUM		Fax
	EXCAVATOR	info@onesearchlocators.com.au	Email
		www.onesearchlocators.com.au	Web
Online Pipe & Cable Locating Pty Ltd.			
Course Fine & Capie Locating PtV LTG		1300 665 384	Phone
		0440 400 004	Mobile
Sydney, Newcastle, Canberra,	YES	0418 402 234	IVIODIIC
Sydney, Newcastle, Canberra,	YES VACUUM		Fax
Sydney, Newcastle, Canberra, Central Coast, Wollongong,	VACUUM	02 9676 6127	Fax
Sydney, Newcastle, Canberra,			

Teistia Accieuiteu Fiaiit Locatois	INC VV JOU	cii vvaics. CEIVIII/ LE	
Peter Ellsmore and Associates.		02 4253 5616	Phone
Wollongong / Illawarra / Shoalhaven / Far South Coast /	NO	0439 423 708	Mobile
Southern Highlands & Tablelands / Wollondilly / Goulburn	110	02 4253 5660	Fax
/ Macarthur area / Campbelltown & Southern Sydney		ian.brown@ellsmore.com.au	Email
		<u>www.ellsmore.com.au</u>	Web
Pipesure Australia Pty Ltd.		1300 411 811	Phone
Sydney and surrounding areas	NO	0428 548 281	Mobile
Sydney and burnounding arous		0 120 0 10 20 1	Fax
		info@nincoura com ou	
		info@pipesure.com.au	Email
		www.pipesure.com.au	Web
Riteway Traffic control Pty Ltd.			Phone
Central Coast	NO	0419 212 969	Mobile
Upper Hunter			Fax
opportioned		kbrowne@ritewaytc.com.au	Email
		kbiowne@ntewaytc.com.au	Web
BLU I I I I I I I I I I I I I I I I I I I	\/=c		
RL Underground Pty Ltd	YES	08 6189 1211	Phone
WA - Perth and Peel,	VACUUM	0418 774 646	Mobile
VIC - Melbourne,	EXCAVATOR	0447 933 707	Mobile
NSW - Sydney		andrew.hunt@rlunderground.com.au	Email
1.6.1.			Web
DDC Australia Foot Dtv I tel		07.2520.0500	
RPS Australia East Pty Ltd.	VEO	07 3539 9586	Phone
South East Old, Gold Coast, Sunshine Coast, Brisbane,	YES	0408 839 723	Mobile
Ipswich & Scenic Rim	VACUUM		Fax
Sydney & surrounding areas	EXCAVATOR	andrew.watson@rpsgroup.com.au	Email
, , , , , , , , , , , , , , , , , , ,		www.rpsgroup.com.au	Web
Rubicof Pty Ltd.		02 4990 5718	Phone
Lower & Upper Hunter Valley	YES	02 4990 5718	Mobile
		0416 103 369	
Central Coast & Newcastle	VACUUM		Fax
Port Stephens & Great Lakes areas	EXCAVATOR	rubicof@optusnet.com.au	Email
		www.rubicof.com.au	Web
Rutherford Electrical Engineering Services.		02 4932 7344	Phone
Hunter Valley	NO	02 1002 7011	Mobile
	NO		
Maitland			Fax
Newcastle		office@ruthelect.com.au	Email
Central Coast		www.ruthelect.com.au	Web
Smartscan Locators Pty Ltd	YES		Phone
Greater Sydney Metro Area	Hand Dig	0498 025 210	Mobile
Central Coast & Newcastle	114114 219	0 100 020 210	Fax
		inner @nelenatore norman	
Blue Mountains		jason@sslocators.com.au	Email
		smartscanlocators.com.au	Web
SEEK LOCATIONS.			Phone
Taree, Forster,	NO	0407 256 858	Mobile
Gloucestor, Hardington,			Fax
Port Macquarie, Wauchope.		seek@seeklocations.com.au	Email
1 of Macquarie, Waderlope.		www.seeklocations.com.au	
			Web
Service Locator SA (Geolaird Pty Ltd)		0477 296 932	Mobile
NSW -The Far West			Fax
NT - Alice Springs and Uluru	YES	leon@servicelocatorsa.com.au	Email
SA - The Outback, Flinders Ranges, Eyre Peninsula,			Web
Yorke Peninsula, The Murray			
			Phone
Signal Support Services Pty Ltd.	VEO		
Goulburn, Southern Tablelands, South West Slopes,	YES	0418 237 668	Mobile
Central West, Far South Coast & Monaro, Riverina, Far	VACUUM		Fax
West	EXCAVATOR	ted@signalsupport.com.au	Email
			Web
Subsurface Utility Solutions Pty Ltd			Phone
		0404 457 070	
Sydney, Blue Mountains, Southern Tablelands	VEO	0421 157 372	Mobile
	YES		Mobile
		nick@subsurf.com.au	Email
		www.subsurf.com.au	Web
Suk Truk Services Pty Ltd.			Phone
Newcastle, Upper Hunter Valley,	YES	0419 125 551	Mobile
		0419 120 001	
Lower Hunter Valley,	HAND DIG &		Fax
Central Coast, Lake Macquarie	VACUUM	suktrukservices@bigpond.com	Email
	EXCAVATOR		Web
SureSearch (Utility Locating Pty Ltd).		1300 884 520	Phone
Sydney, Newcastle, Central & South Coasts, Raymond	YES		Mobile
	VACUUM		Fax
Terrace, Wollongong, Gosford, Tuggerah, Seven Hills,			
Port Stephens, Nowra, Picton, Blue Mountains, Lithgow,	EXCAVATOR	schedule@suresearch.com.au	Email
	İ	www.suresearch.com.au	\//ab
Narrabeen, Pymble, Muswellbrook, Forster		www.suresearch.com.au	Web

TEISTIA ACCIEUITEU FIAITI LOCATOIS	INCW SOU	CII VValcoi OLIVIIIV	
Sydney Pipe & Cable Pty Ltd. Greater Sydney Basin - Wollongong, Blue Mountains,	NO	0416 215 667	Phone Mobile
Nowra, Newcastle	140	0410 213 007	Fax
Nowra, Newcastle		glenn@spacls.com.au	Email
		glerin@spacis.com.au	
The Central Crown Pty Ltd			Web
The Control Group Pty Ltd		0.404.000.047	Phone
NSW North, NSW North West, NSW Far North, NSW	VEO	0421 960 017	Mobile
Clarence River, NSW Coffs Harbour	YES		Mobile
		locating@thecontrolgroup.com.au	Email
		www.thecontrolgroup.com.au	Web
Utec Solutions Pty Ltd.		02 9389 0040	Phone
NSW based	YES	0439 994 881	Mobile
covers Queensland and Victoria also	VACUUM		Fax
	EXCAVATOR	tim@utecsolutions.com.au	Email
		www.utecsolutions.com.au	Web
Utility ID – Underground Service and Cable Locators.			Phone
Darling Downs	NO	0401 202 515	Mobile
South West			Fax
Toowoomba		info@utilityid.com.au	Email
Roma		www.utilityid.com.au	Web
Utility Locating Services.			Phone
Sydney and surrounding regions	YES	0404 087 555	Mobile
Syanoy and cancanamy regions	VACUUM	0 10 1 001 000	Fax
	EXCAVATOR	mail@utilitylocatingservices.com.au	Email
	EXONUM	www.utilitylocatingservices.com.au	Web
Utility Mapping (Aust) Pty Ltd.		1300 MAPPING (627746)	Phone
Sydney and surrounding areas	YES	1300 WAFFING (027740)	Mobile
Syuriey and surrounding areas	VACUUM		Fax
	EXCAVATOR	sydney@utilitymapping.com.au	Email
	EXCAVATOR		
Hallar Coop		www.utilitymapping.com.au	Web
Utility Scan.	VEO	0.400.054.054	Phone
All areas	YES	0426 354 051	Mobile
	HAND DIG	1 440 4114	Fax
		brett@utilityscan.net	Email
VEDIO AUGEDALIA DEVLET			Web
VERIS AUSTRALIA PTY LTD		1300 765 315	Phone
Australia wide		0419 770 560	Mobile
ACT NSW QLD NT SA TAS VIC WA	YES	0436 122 753	Mobile
		I.mead@veris.com.au	Email
		www.veris.com.au	Web
Vertex Power & Process.		08 8088 4301	Phone
Western NSW - Broken Hill, Silverton, Menindee,	YES	0428 154 450	Mobile
Wilcannia, Ivanhoe, Tibooburra	VACUUM	08 8087 5729	Fax
SA border - Cockburn, Yunta	EXCAVATOR	service@vertexpp.com.au	Email
·		www.vertexpp.com.au	Web
Wagga Directional Drilling.		02 6925 4660	Phone
	YES	0418 473 104	Mobile
Riverina & surrounds		UT 10 T 10 T 10 T	WIGOIN
Riverina & surrounds		02 6925 4941	Fax
Riverina & surrounds	VACUUM EXCAVATOR	02 6925 4941 sidpowell.wdd@telstra.com	Fax Email



Dial Before You Dig Response Cover Letter

Transurban CCT Pty Limited (CCT)

1 Chifley Square

Sydney, NSW 2000

Australia

Date: 27/11/2019

To:

Mr Mitchell Murphy

LCI

Level 4, 73 Walker Street North Sydney NSW 2060

The records of Transurban CCT Pty Limited (CCT) disclose that your defined search location is within the vicinity of Cross City Tunnel Motorway (CCT). Please do not commence excavation, digging or other groundworks (works) until you have discussed the proposed works with CCT and CCT has confirmed in writing that it has no objection to the works being carried out. Please also note that any works will be carried out at your risk and you will be liable for any loss or damage caused by the works (including to the Motorway) in accordance with law.

Please contact the CCT asset manager via cctassetmanager@transurban.com, and attach the following information regarding your enquiry, and briefly describe the proposed works at the defined search location.

Sequence No: 92610835

Job No: 18653207

Location: 296 Pitt Street

Sydney NSW 2000

Important Notice: You must contact the CCT asset manager with the allocated Sequence Number and Job Number as well as a brief description of the proposed works as soon as you received this response.

Groundworks should not proceed until the query is closed and works cannot be commenced until a confirmation of work commencement in writing is issued by the CCT. Please ensure that the Dial Before You Dig enquiry details accurately reflect your proposed works at the defined search location.

This response is intended for use only by the addressee. If you have received the enquiry response in error, please contact the CCT at the email address above and delete all copies; you are advised that copying, distributing, disclosing or otherwise acting in reliance on the response is expressly prohibited.





PLEASE HAND TO ADDRESSEE IMMEDIATELY

The following drawing(s) is/are provided from <u>Verizon</u> records (formerly known as <u>Worldcom</u>) in response to your request to show the approximate location of our infrastructure within the vicinity requested.

Note:

This reply relates only to the location requested and is valid for 30 days from the date of this reply. Where additional works are planned that have not been specified within this request, <u>Verizon</u> require that an additional location request be submitted.

Please Contact a <u>Verizon</u> representative for confirmation and/or site visit prior to works commencing.

ALL VERIZON / WORLDCOM PITS ARE LOCKED FOR SECURITY

Only Verizon personnel have access to the security key.

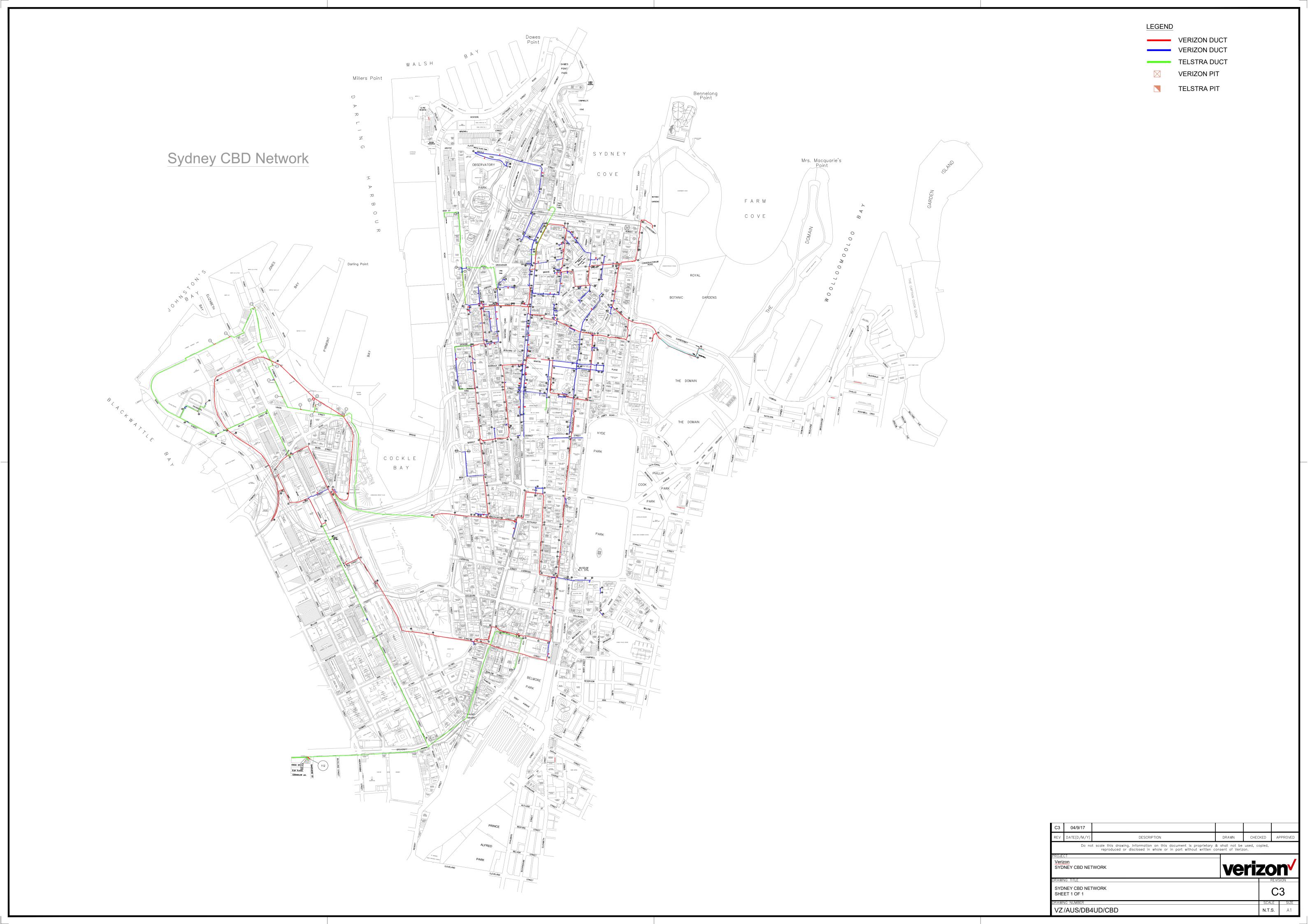
Contacts:

Paul Spear Direct: 02 8210 3243 Email: paul.spear@au.verizon.com

Verizon Operational Resource Centre (ORC) Direct: 02 8210 3030 Option 1

Warning:

These drawings have been prepared for Verizon's own use and indicate the position of underground optical fibre networks and installations relative to property lines, kerb lines etc. as at the time the infrastructure were installed. Verizon will accept no liability for inaccuracies in the information or lack of information on such drawings for any cause whatsoever arising. Persons excavating or carrying out other earthworks will be held responsible for any damage caused to Verizon's Infrastructure. Verizon also reserves the right to recover compensation for any damages and loss of services.





27/11/2019

Mr Mitchell Murphy LCI Level 4, 73 Walker Street North Sydney NSW 2060

Dear Mr Mitchell Murphy

DIAL BEFORE YOU DIG - JOB: 18653207 SEQ: 92610833

Thank you for your enquiry regarding the below mentioned area.

Enquiry Date: 27/11/2019 Address: 296 Pitt Street

Suburb: Sydney State: NSW, 2000

Additional Information:

YES – We can confirm, the Vocus Group has Fibre Optic Services within the vicinity.

Please find attached a copy of the services plan for the location you have specified. These plans are valid for 30 days from the date requested.

IMPORTANT INFORMATION

Drawings and plans provided by the <u>Vocus</u> Group 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. Depth of the Telecommunications asset can vary considerably as can alignments. The plans provided are to be used as a guide only.

Identifying the Vocus Group asset visually is critical. Information on how this can be arranged is provided in this document.

Please email <u>Damage.Relocations@vocus.com.au</u> for general enquiries about the information provided within this response.

Yours Group DRVD 3

Vocus Group DBYD Team

EMERGENCY CONTACT: 1800 262 663

Vocus Group

Level 12, 60 Miller Street
NORTH SYDNEY NSW 2060

T: 1300 88 99 88 E: info@vocus.com.au



DUTY OF CARE

The Constructor has a legal "Duty of Care" that must be observed when working in the vicinity of any Vocus Group asset.

It is the responsibility of the Constructor to design their works with no impact to the Vocus Group asset.

The Constructor must;

- a. Obtain and review plans for a specified area through Dial Before You Dig within a reasonable <u>timeframe</u> before construction begins.
- b. Visually locate the <u>Vocus</u> Group asset, using a <u>Vocus</u> Group Accredited Locator who will vacuum excavate (potholing) where construction activities may damage or interfere with the <u>Vocus</u> Group asset. Refer to "Clearances for Work in the Vicinity of the <u>Vocus</u> Group Asset" section below for more information.
- c. Contact the Vocus Group if the Vocus Group asset is wholly or partly located near planned construction activities.

NOTE: Plans are provided free of charge from DBYD. Request for plans of a larger area may incur a cost.

DAMAGE

The Constructor will be held responsible for all asset damage when work commences prior to obtaining the <u>Vocus</u> Group plans, or failure to follow instructions.

ANY DAMAGE TO THE VOCUS GROUP ASSET MUST BE REPORTED TO 1800 262 663 IMMEDIATELY

The <u>Vocus</u> Group reserves all rights to recover compensation for loss or damage to its cable network or other property including consequential losses.

ASSET RELOCATIONS

The Constructor <u>is not</u> permitted to relocate or alter any <u>Vocus</u> Group asset or network under any circumstance. For all enquiries relating to the relocation of a <u>Vocus</u> Group asset please email <u>Damage.Relocations@vocus.com.au</u>

RESOLUTION OF POINTS OF CONFLICT

Should asset location and potholing reveal points of conflict between the Constructors planned works and the existing <u>Vocus</u> Group asset, the Constructor should contact the <u>Vocus</u> Group for advice and to discuss possible solutions.

Please contact the Fibre Assurance Team

Phone: 1800 262 663

Email: Damage.Relocations@vocus.com.au

ASSESSMENT OF RISK AND PROTECTIVE ACTIONS

Where "Protective works" are required around existing the <u>Vocus</u> Group asset, a solution will be confirmed on a case by case basis. The cost of the Protective works are the responsibility of the Constructor and the works will be carried out by a <u>Vocus</u> Group Accredited Contractor.

Where "Relocation works" of the <u>Vocus</u> Group asset is part of an agreed solution, a Project Manager will be assigned to work with the Constructor. The cost of the Relocation works are the responsibility of the Constructor and the works will be carried out by a <u>Vocus</u> Group Accredited Contractor.

Region	Onsite Locations Contact	Phone	Mobile	Fax	After Hours
Sydney, NSW	QC Communications	(02) 9620 2407		(08) 9620 1701	
Alice Springs, NT	Chambers Engineering	(08) 8955 5022	0418 837 833	(08) 8955 5322	
			0427 971 931		
Darwin, NT	Anywair Electrics		0418 890 071		0418 890 071
Darwin, NT	Northern Comm.'s		0407 904 319		0407 904 319
Brisbane, QLD	Optilinx	(07) 3901 7353	A/Hours or Emergency	(07) 3901 7352	
			0404 010 658		
Adelaide, SA	TPC	(08) 8376 5911		(08) 8376 5944	
Melbourne, VIC	Linktech	(03) 8805 0300			
Perth, WA	Abaxa	1300 369 642	A/Hours or Emergency	(08) 9256 2922	
			0411 746 657		

If any of the above numbers are uncontactable and your call is urgent, please call the Vocus National Service Desk on 1800 262 663

The <u>Vocus</u> Group accepts no liability for the information provided to the Constructor by the Locators listed above.

Further to this, the Constructor acknowledges that the Locator is the agent of the Constructor and that the <u>Vocus</u> Group takes no responsibility for the Locators' acts or omissions.

- For all work within 2.5 metres of nominal location, the Constructor is required to prove the actual location of the asset by potholing and exposing before commencing work.
- Potholing to expose and locate the <u>Vocus</u> Group asset is required before work commences and every 3 metres where the Constructors works are parallel to the <u>Vocus</u> Group asset.
- The Constructor is responsible for all asset damages when works commence without the <u>Vocus</u> Group plans or by failure to follow advice and/or instructions from the <u>Vocus</u> Group.

NOTE: No machinery shall be used within 1 metre of the <u>Vocus</u> Group asset until the actual location has been determined by potholing using hand tools.

NOTE: No heavy earth working machinery shall be used within 5 metres of the <u>Vocus</u> Group asset until the actual location has been determined by potholing using hand tools.

CLEARANCES FOR WORK IN THE VICINITY OF THE VOCUS GROUP ASSET

These figures represent the minimum clearance cover to be maintained over the <u>Vocus</u> Group asset. Please note that the actual cover over existing asset may be greater or less than recommended figures. Exact alignment and depths cannot be given with certainty as such levels can change over time.

Footpath and Verge Areas	450mm
Roadways	600mm

These figures represent the minimum clearance between construction and actual location of the <u>Vocus</u> Group asset.

Jackhammers / Pneumatic Breakers	Not within 2.5 metres of actual location
Vibrating Plate or Wacker Packer Compactors	Not within 500mm of actual location
Heavy Vehicle Traffic	Not to be driven across the <u>Vocus</u> Group asset with less than 600mm cover. The Constructor is to check the depth by potholing using hand tools.
Mechanical Excavators	Not within 1 metre of actual location. The Constructor is to pothole and expose the asset using hand tools.
Boring Equipment (in-line, horizontal and vertical)	Not within 2.5 metres of actual location. The Constructor is to pothole and expose the asset.

Access to the Vocus Group pits must remain accessible and at ground level at all times.

Any information provided is valid for 30 days only from the date of issue of this document. If the works extend beyond this period, or if the designs are altered in any way, you are requested to re-submit your proposal for re-assessment by contacting Dial Before You Dig.

Phone 1100 or check the website for more details http://www.1100.com.au

Schedule The Criminal Code
Chapter 10 National infrastructure

Part 10.6 Telecommunications Services

Division 474 Telecommunications offences

474.6 Interference with facilities

- (1) A person is guilty of an offence if the person tampers with, or interferes with, a facility owned or operated by:
 - (a) a carrier; or
 - (b) a carriage service provider; or
 - (c) a nominated carrier.

Penalty: Imprisonment for 1 year.

- (2) For the purposes of an offence against subsection (1), absolute liability applies to the physical element of circumstance of the offence, that the facility is owned or operated by a carrier, a carriage service provider or a nominated carrier.
- (3) A person is guilty of an offence if:
 - (a) the person tampers with, or interferes with, a facility owned or operated by:
 - (i) a carrier; or
 - (ii) a carriage service provider; or
 - (iii) a nominated carrier; and
 - (b) this conduct results in hindering the normal operation of a carriage service supplied by a carriage service provider.

Penalty: Imprisonment for 2 years.

- (4) For the purposes of an offence against subsection (3), absolute liability applies to the following physical elements of circumstance of the offence:
 - (a) that the facility is owned or operated by a carrier, a carriage service provider or a nominated carrier;
 - (b) that the carriage service is supplied by a carriage service provider.
- (5) A person is guilty of an offence if:
 - (a) the person uses or operates any apparatus or device (whether or not it is comprised in, connected to or used in connection with a telecommunications network); and
 - (b) this conduct results in hindering the normal operation of a carriage service supplied by a carriage service provider.

Penalty: Imprisonment for 2 years.