Uecomm

To: Mr Nicholas Rouggos

201 Kent Street Sydney, NSW, 2000



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 58207257 Customer ID 1643225 Issue Date: 17/01/2017 Issue By:

Location: Hunter Street, Sydney, NSW 2000 Map Ref: 236E8, 236E9 Uecomm Asset Location No. 58207257 Dial Before You Dig Job No. 11738734

In relation to your enquiry at the above address, Uecomm advises as follows:

The records of Uecomm 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:

- 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, Uecomm 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.

4. DAMAGE. ANY DAMAGE TO UECOMM'S NETWORK MUST BE REPORTED IMMEDIATELY TO 1800 707 447.

- 5. Uecomm recommends using Uecomm approved location contractors to provide on-site location services for Uecomm plant. You can arrange Uecomm on-site visits by calling Uecomm on 1800 707 447 and Uecomm or its approved representative will attend your site to provide guidance to the location of the Uecomm assets (the "Uecomm Asset Alignment"). Uecomm requires 3 clear business days notice to conduct an on-site location. The initial on-site visit by Uecomm will not normally incur a charge, but at the discretion of Uecomm, subsequent site visits may incur a charge to be applied at an hourly rate.
- 6. Uecomm will hold the relevant party responsible for any damage to Uecomm plant and all expenses incurred by Uecomm as a result of asset damage.
- 7. Except to the extent that liability may not be capable of lawful exclusion, Uecomm Pty Limited and its servants and agents and the related bodies corporate of Uecomm Pty 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 Uecomm Asset Analysis Service. If you require further information please contact Uecomm 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.



To: Mr Nicholas Rouggos

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- 6. Uecomm will hold the relevant party responsible for any damage to Uecomm plant and all expenses incurred by Uecomm as a result of asset damage.
- 7. Except to the extent that liability may not be capable of lawful exclusion, Uecomm Pty Limited and its servants and agents and the related bodies corporate of Uecomm Pty 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 Uecomm Asset Analysis Service. If you require further information please contact Uecomm on **1800 707 447**.

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LEGEND O - ELECTRICITY POLE - FIBRE OPTIC CABLE - UE P5 PIT - UE P6 PIT BL - BUILDING LINE BOK - BACK OF KERB CL - CENTRELINE OF CONDUIT TP - TURNING POINT OF CONDUIT - TELSTRA MANHOLE \ - TELSTRA PIT - , ... 50Ø PVC COMMS CONDUIT OPTICAL FIBRE CABLE -----SECTION A-A Note: Conduit depths quoted are approximate only and may change due to unforeseen circumstances. Excavate by hand until conduit depth is determ Part Anton ISSUED FOR APPROVAL - UE.COMM DESCRIPTION

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			Civil Contractor :	Drawn A.L.S. 16.08.01	De
y unu es. termine	ed.		* DETAILED BY RITEBORE		



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LEGEND			
O - ELECTRICITY POLE			
FIBRE OPTIC CABLE			
CABLE CONDUIT (TRENCHING)			
UE P5 PIT			
UE P6 PIT		0.00	
- UE A8 PIT			CHIE,
B∕L - BUILDING LINE		BOX X	° CHIIFLEY SQ
PIT C/L - PIT CENTER LINE FROM B/L		ζφ	
BOK – BACK OF KERB			2.0 ²⁰ 00/2.0 ²⁰ 00/2
CO – COVER		G 8.0	-
NN - FENCE LINE	_]
- TELSTRA MANHOLE		HUNTER STREET ∞	
(T) - TELSTRA PIT	_		
TT - TELSTRA 6 PIT		2.6	
			P50
			Q 6m
		EXISTING BUILDING	ELIZABETH
		No.55	
			STREE
		NOTE / WARNING:	
		BEFORE COMMENCING WORK IN THIS	
		AREA PLEASE CONTACT	
		MURRAY BRICE ON MOBILE 0413 449 060	
NOTE: - ALL DIMENSIONS ARE SHOWN IN METRES UNLESS NOTED OTHERW	SE.	ON BEHALF OF UECOMM	
	BCE		PROJECT: 55 HUNTER STREET
C NEW PIT & PIPE (QBEMS-14.9) C UPDATE PIT & PIPE DETAILS (STGBS-250) 16.05.15			SYDNEY NSW 2000
C NEW PIT & PIPE (QBEMS-149) UPDATE PIT & PIPE DETAILS (STGBS-250) 16.05.15	Brice Civil Engineering Pty Ltd		UBD REF: 236-E8
B NEW PIT & PIPE (STGBS-250) 09.09.0 Image: A RENUMBERED. WAS BCE-00-0040 12.12.00		Uecomm [™] MAKING THE CONNECTION	CONDUIT: 50mm
REV DESCRIPTION DATE	P.O. Box 378 Cherrybrook NSW 2126 Ph:(02) 8850 7550 Fax: (02) 8850 75	51 ACN 079 083 195	DEPTH: 0.5 - 0.8m







РТҮ ЦТО BCE VISIONS 000 R.Browne Brice Civil Engineering Pty Ltd A.B.N. 13 087 182 581 \bigcirc UBD REF: Uecomm R 1-K16 THE CONNECTION -

RENUMBERED. WAS BCE-01-0082 15.03.01 CHECKED APPROVED REV DESCRIPTION DATE

P.O. Box 378 Cherrybrook NSW 2126 Ph:(02) 8850 7550 Fax: (02) 8850 7551

ACN 079 083 195

PHILLIP STREET SYDNEY NSW 2000 CONDUIT: 50mm DEPTH: 0.5 - 0.6m







BEHALF OF B NO 955, FAX:(02) 9482 1944 9482 7 PH:(02) PTY LTD 똤 s 8 0 ВY RED

В





Verizon



PLEASE HAND TO ADDRESSEE IMMEDIATELY

The following drawing(s) is/are provided from Verizon records 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, Verizon require that an additional location request be submitted.

Please Contact a Verizon representative for conformation and/or site visit prior to works commencing. If Verizon infrastructure is not shown on the attached drawing, we request that you still contact us to ensure that works undertaken will not conflict with any future works.

Contacts:	Paul Spear	Direct:	02 8210 3243
	David Bahn	Direct:	02 8210 3015

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.





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C1 01/3/11 REV DATE(D/M/Y) DESCRIPTION		DRAWN CHECKE	
	locument is proprietary &	≿ shall not be used, copi onsent of Verizon.	





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C1 01/3/11 REV DATE(D/M/Y) DESCRIPTION		DRAWN	CHECKED	APPROVED
Do not scale this drawing. Information on reproduced or disclosed in whole				
PROJECT Verizon SYDNEY CBD NETWORK			veri	on
DRAWING TITLE SYDNEY CBD NETWORK			REV	<u>//sion</u>
SHEET 5 OF 16 DRAWING NUMBER			SCALE	SIZE
			N.T.S.	A1

Vocus



16/01/2017

Mr Nicholas Rouggos		
ARUP		
201 Kent Street		
Sydney	2000	NSW

Dear Mr Nicholas Rouggos

DIAL BEFORE YOU DIG – JOB: 11738734

SEQ: 58207264

Thank you for your request on 16/01/2017 17:01 , regarding the location of telecommunication services. You requested the information for the below area:

Address:	Hunter Street
Suburb:	Sydney
State:	NSW

Additional Information: Not Supplied

YES - We can confirm that the Vocus Group has fibre optic services within the vicinity

Please find attached a copy of the services plan for the location of the works. Please note that these plans have a life of 30 days from the date you requested (above), as future works may affect your enquiry.

IMPORTANT INFORMATION

Drawings and Plans provided by the Vocus 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. Depths of Telecommunications plant vary considerably as do alignments. The plans provided are to be used as a guide only. It is essential to uncover / pothole the asset and positively identify the assets exact location.

Please call 1800 262 663 for any general enquiries about the information provided within this response.

Yours sincerely,

Vocus Group DBYD Team

EMERGENCY CONTACT: 1800 262 663

E: info@vocus.com.au

The Vocus Group includes related bodies corporate of Vocus Communications Limited ACN 084 115 499

Vocus House Level 1, 189 Miller Street

North Sydney NSW 2060

T: 1300 88 99 88

OVERVIEW



The Vocus Group includes related bodies corporate of Vocus Communications Limited ACN 084 115 499.



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The Vocus Group includes related bodies corporate of Vocus Communications Limited ACN 084 115 499.

LEGEND

The below legend indicates the different layers within the map.

•	Vocus Group Pit	
Vocus Group Conduit		
Telstra Pit		
Telstra Conduit		
	Third Party Pit	
	Third Party Conduit	

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:

It is the responsibility of the constructor to design for protection and minimal impact of the Vocus Group plant. The Vocus Group will provide free plans showing the presence of its network to assist at the design stage. It is the constructors' responsibility to:

- a. Request plans of the Vocus Group plant for a particular location at a reasonable time before construction begins through Dial Before You Dig.
- b. Visually locate the Vocus Group plant by vacuum excavation (potholing) where construction activities may damage or interfere with the Vocus Group plant (see "Clearances for work in the vicinity of the Vocus Group Plant" section for more information).
- c. Contact the Vocus Group (see below for details) if the Vocus Group plant is wholly or partly located near planned construction activities.

NOTE: Plans are provided free of charge up to 1 Km radius. Larger plans may incur a cost.

DAMAGE

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

The constructor is responsible for all plant damage when works commence prior to obtaining the Vocus Group plans, or failure to follow instructions.

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

ASSET RELOCATIONS

You are not permitted to relocate or alter any Vocus Group assets or network under any circumstance.

For all enquiries relating to the relocation of Vocus Group assets please email support@vocus.com.au

ON SITE LOCATION

Region	Onsite Locations Contact	Phone	Mobile	Fax
Sydney	QC Communications	(02) 9620 2407		(08) 9620 1701

The Vocus Group accepts no liability for the information provided to the Constructor by the Locators provided above. Further, the Constructor acknowledges that the Locator is the agent of the Constructor and that the Vocus Group takes no responsibility for the locators' acts or omissions.

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

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

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

CLEARANCES FOR WORK IN THE VICINITY OF VOCUS GROUP PLANT

These figures represent the minimum clear cover to be maintained over the Vocus Group plant. Please note that the actual cover over existing plant might 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 Vocus Group plant.

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 Vocus Group plant 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 plant 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 plant.

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

Any information provided is valid only for 30 days from the date of issue of this document. If the work operations 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 contact Dial Before You Dig.

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

RESOLUTION OF POINTS OF CONFLICT

Should plant location and potholing reveal points of conflict between the Constructors planned works and the existing Vocus Group plant, the constructor should contact the Vocus Group for advice and to discuss possible solutions. The contact details are;

Fibre Operations

Phone: 1800 262 663 Email: support@vocus.com.au

Or Urgent enquiries after business hours contact 1800 262 663

Where relocation or protection of Vocus Group plant is part of an agreed solution, the costs of these works will be the responsibility of the Constructor. The Vocus Group will provide an estimated cost for works. Work by the Vocus Group will not commence until a Purchase Order is received.

ASSESSMENT OF RISK AND PROTECTIVE ACTIONS

Where protective works are required around existing Vocus Group plant, the details will be worked out on a case by case basis. Protective works are the responsibility of the Constructor.

- 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.

Appendix B: Combined Services Plan

LEGEND

-	STORMWATER
	GULLY PIT
	DRAINAGE JUNCTION MANHOLE
P STREET SIGN	COMMUNICATION
ELECTRIC	\bigcirc^{TDP} telephone distribution Pilla
ELEC CABLE JUNCTION BOX	
ELEC CABLE MARKER	TELEPHONE PIT
🕐 ELEC PILLAR	TWIN TELEPHONE PIT
O EMH CABLE MANHOLE	\Box^{OJB} Optical Fiber junction box
	TRAFFIC
O EP ELEC POWER POLE	TRAFFIC LIGHTS
○ ^{EMH} CABLE MANHOLE	TRAFFIC SIGNAL CONTROLLER
	S TRAFFIC CONTROL SIGNAL
GAS	MISCELLANEOUS
GAS MARKER	□ [?] UNKNOWN SERVICE
GAS TEST POINT	
GAS VALVE BOX	
WATER	\square ^{BIN} RUBBISH BIN
	GATE
	MAIL BOX
STOP VALVE	BH BUS SHELTER
S WATER TAP	TX TELEPHONE BOX
SEWER	
O SLH SEWER LAMPHOLE COVER	
SEWER MANHOLE	PR PRAM CROSSING

GROUND LEVELS CONTAINED IN Aerial Mapping Edited-MartinPL-Spot Heights.DWG

NOTES

1.0 ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.

2.0 BOUNDARIES THE POSITION OF THE BOUNDARIES ON THE PLAN AND WITHIN THE CAD FILE ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATIONS HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

3.0 LEVELS ARE ON AUSTRALIAN HEIGHT DATUM (AHD) BASED ON THE PROJECT PRIMARY CONTROL TRAVERSE. USING PM 147421 WITH RL OF 28.993m LOCATED AT THE INTERSECTION MARTIN PLACE AND MACQUARIE ST.

4.0 ORIGIN OF CO-ORDINATES PM 147421 WITH MGA CO-ORDINATE VALUES OF E: 334538.448 N: 6251046.400

5.0 TOPOGRAPHIC DETAIL SURVEY AND MAPPING HAS BEEN CARRIED OUT BY A COMBINATION OF PHOTOGRAMMETRY AND TRADITIONAL FIELD SURVEY AND ARE ACCURATE TO ± 0.05m.

6.0 SERVICES

SURFACE INDICATORS (MANHOLES, PITS, ETC) HAVE BEEN LOCATED WHERE VISIBLE AND ACCESSIBLE EITHER BY FIELD SURVEY OR PHOTOGRAMMETRIC MAPPING. AT THE TIME OF SURVEY, SOME SERVICE INDICATORS WERE INACCESSIBLE DUE TO PARKED CARS OR VEHICULAR TRAFFIC. IN THOSE OCCURANCES, INDICATORS HAVE BEEN LOCATED BY DIGITISING FROM DBYD AS SHOWN ON THE PLAN. THE POSITION OF UNDERGROUND SURFACE INFRASTRUCTURE SHOWN WITHIN THE DRAWING FILE DELIVERABLES HAS BEEN UNDERTAKEN FROM INTERPRETATION OF DBYD DRAWINGS (REQUEST MADE - 21/04/2015). THE EXISTENCE AND EXACT EXTENT HAS NOT BEEN CONFIRMED BY FIELD INVESTIGATION. THE POSITION AND ATTRIBUTES ARE APPROXIMATE





QUALITY LEVELS BY AUSTRALIAN STANDARD

QUALITY LEVEL CLASSIFICATIONS REFLECT THE PRECISION AND ACCURACY OF UTILITY LOCATION AND ATTRIBUTE INFORMATION PURSUANT TO AS5488-2013, CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION. THERE ARE 4 QUALITY LEVELS:

QUALITY LEVEL D - IS THE LOWEST OF THE FOUR QUALITY LEVELS. THE ATTRIBUTE INFORMATION AND METADATA FOR THE SUBSURFACE UTILITY WAS COMPILED FROM ANY OR A COMBINATION OF EXISTING RECORDS, CURSORY SITE INSPECTION AND ANECDOTAL EVIDENCE. D LEVEL INFORMATION DOES NOT INCLUDE ANY FIELD VERIFICATION INVOLVING DIRECT MEASUREMENT AND CAN ONLY BE CONSIDERED TO BE A BROAD INDICATION OF THE LOCATION AND TYPE OF UTILITY. TYPICALLY INDICATES THAT RECORDS SHOW AN ASSET IS PRESENT IN THE VICINITY BUT NO FIELD VERIFICATION OF SURFACE OR OTHER FEATURES WAS POSSIBLE WHATSOEVER BY GROUND SURVEY OR GEOPHYSICAL METHODS.

QUALITY LEVEL C - IS A SURFACE FEATURE CORRELATION OR AN INTERPRETATION OF THE APPROXIMATE LOCATION AND ATTRIBUTES OF A SUBSURFACE UTILITY ASSET USING A COMBINATION OF EXISTING RECORDS (AND/OR ANECDOTAL EVIDENCE) AND A SITE SURVEY OF VISIBLE EVIDENCE. THE MINIMUM REQUIREMENT FOR QUALITY LEVEL C IS RELATIVE SPATIAL POSITION. QUALITY LEVEL C INFORMATION IS COMPILED FROM FIELD OBSERVATIONS AND/OR SURVEY OF SURFACE FEATURES INDICATING THAT A UTILITY OF UNCONFIRMED ATTRIBUTES MAY RESIDE IN THE PROXIMITY. THIS CAN INCLUDE THE USE OF GEOPHYSICAL DETECTION METHODS FOR APPROXIMATE HORIZONTAL AND VERTICAL LOCATION. IT DOES NOT INDICATE THE LOCATION OF THE SUBSURFACE UTILITY WITH RESPECT TO THE SURFACE FEATURE (E.G. A SUBSURFACE UTILITY LINE MAY BE OFFSET FROM THE POSITION OF THE SURFACE FEATURE AND IS NOT NECESSARILY DIRECTLY BELOW IT), NOR ITS DEPTH TO ANY DEFINED ACCURACY.

QUALITY LEVEL B - PROVIDES RELATIVE SUBSURFACE FEATURE LOCATION IN THREE DIMENSIONS OR RELATIVE SPATIAL POSITION, OBTAINED BY USE OF GEOPHYSICAL DETECTION. METHODS THAT HAVE A TRACE COMPONENT. THE LOCATION OF SUBSURFACE FEATURES CLASSED AS LEVEL B ARE MEASURED IN TERMS OF RELATIVE SPATIAL POSITIONING WITH A MAXIMUM HORIZONTAL TOLERANCE OF ±300MM AND A MAXIMUM VERTICAL TOLERANCE OF +500MM. QUALITY B INFORMATION IS COMPILED USING ELECTRONIC DETECTION. BUT THIS IS ONLY AN INDICATION OF THE EXISTENCE OF SUBSURFACE UTILITIES AND DOES NOT VALIDATE THE UTILITY SUBSURFACE LOCATION OR ATTRIBUTES. ELECTRONIC DETECTION CANNOT GUARANTEE ACCURATE DEPTH INFORMATION DUE TO THE POTENTIAL FOR INTERFERENCE FROM OTHER ADJACENT SERVICES OR ADVERSE GEO-PHYSICAL CONDITIONS.

QUALITY LEVEL A - IS THE HIGHEST QUALITY LEVEL AND CONSISTS OF THE POSITIVE IDENTIFICATION OF THE ATTRIBUTE AND LOCATION OF A SUBSURFACE UTILITY AT A POINT TO AN ABSOLUTE SPATIAL POSITION IN THREE DIMENSIONS.IT IS THE ONLY QUALITY LEVEL THAT DEFINES A SUBSURFACE UTILITY AS "VALIDATED'. WHERE THE WHOLE LINE SEGMENT CANNOT BE VERIFIED BY LINE OF SIGHT, QUALITY A SHALL NOT BE ATTRIBUTED TO THE LINES SEGMENT BETWEEN VALIDATED POINTS. QUALITY LEVEL A WILL NORMALLY INVOLVE THE PHYSICAL EXPOSURE OF THE REQUIRED ASSETS. QUALITY LEVEL A HOWEVER MAY NOT IDENTIFY THE INTERNAL STRUCTURE OF CONTENT OF THE ASSET I.E. REDUNDANT CONDUITS AND PIPES MAY HAVE BEEN USED BY ANOTHER UTILITY OWNER E.G. FIBRE OPTIC IN OLD TELECOMMUNICATIONS CONDUITS.



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							HORIZ. SCALE:	VERT. SCALE:
	В	11.02.2016	ADDITIONAL SURVEY COMPLETE. SERVICES ROUTES ADDED.				1:500	N/A @ A1
	А	25.01.2016	INITIAL VERSION - POSITION OF UNDERGROUND SERVICES ROUTES TO BE REVIEWED AND SUPPLIED IN NEXT PLAN REVISION	ZHY	JC	ADP	COORDINATES: MGA	DATUM: AHD ORIGIN: PM147421
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UMENT IN BOTH ELECTRONIC AND HARDCOPY FORMAT IS AND SHALL REMAIN THE PROPERTY OF RPS GROUP PLC. THE INFORMATION MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS IONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS INFORMATION IN ANY FORM WHATSOEVER IS PROHIBITED.

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Appendix C: Utilities Diversion Reference Design (Works under CSSI Approval)

2.2.5 Martin Place Station

The proposed works for Martin Place Station impact on various public utility services. These services would require diverting or protecting. Below is a list of significant public utilities identified as affected or present nearby the proposed site demolition and station works:

- Ausgrid 132kV cables under Hunter Street between Castlereagh Street and Elizabeth Street (AG0245).
- Ausgrid substation (AG0335), Substation No. S1664 at 55 Hunter Street supplies service to:
 - ► 55 Hunter Street
 - ► 2 and 12 Castlereagh Street
 - ▶ 19-29 Martin Place; and
 - The Shopping Circle Martin Place.
- Ausgrid substation and pit structure under Martin Place Plaza adjacent to intersection with Elizabeth Street, Substation No. S395, Ausgrid Ref: CCZ018903 (AG0610).
- Ausgrid 20 x DN140 FC under Martin Place Plaza between Castlereagh Street and Elizabeth Street (AG0700).
- Ausgrid substation, Substation No. S2853 at 37-51 Martin Place (AG0900).
- Telstra tunnel under Elizabeth Street and Castlereagh Street with major cable/conduit optic fibre network (TE0100 and TE0150).
- Telstra exchanges at:
 - 5 Elizabeth Street and 4-8 Castlereagh Street (Chifley Arcade), CMTS site (TE1500)
 - ▶ 7 Elizabeth Street (TE1800).
- Telstra communications tower at 55 Hunter Street (TE1300).
- Optus owned communications tower at 5 Elizabeth Street (OP0100).
- Jemena owned high pressure, 1050kPa, 100mm steel main under Hunter Street including connection to 55 Hunter Street (JE0200).
- Jemena owned high pressure, 1050kPa, 150mm steel main under Castlereagh Street eastern footpath including connection to 37-51 Martin Place (JE0400).
- Sydney Water owned heritage listed stormwater tunnels (710 x 1070 brick oviform) part of the Bennelong Stormwater Channel Network under Castlereagh Street and Elizabeth Street (SW0350 and SW0700).
- Sydney Water heritage listed sewer tunnels (711 x 1066 and 914 x 1371 brick oviform) under Castlereagh Street (WW0300).

For a list of all public utilities affected by the proposed works for Martin Place Station, detailed utility assessment, and proposed mitigation measures refer to details in Table 2.7.


















Table 2.7 Martin Place Station – Public utilities affected

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
AG0320	Ch1km 960	Ausgrid	4 x 100 FC conduits 11kV	Under Castlereagh St south of AG0310. 1 x 4 conduits configuration with HV and AUX cables, section IF1 on DBYD plans. DBYD plans show 0.8-1.4m cover over the conduits.	Affected due to substation removal as described under as AG0335. Cables to be terminated or diverted. To be confirmed by Ausgrid.
AG0335	Ch1km 960	Ausgrid	Substation	South of Hunter St and Castlereagh St intersection within building to be demolished, 55 Hunter St. Pit structure with transformer and various incoming and outgoing duct and cables configurations. Ausgrid reference number not clear on DBYD plans. Sits between Pit No', 51723 and 51736. Substation No. S1664.	Affected. Within footprint demolition and construction works. Substation to be removed and cables terminated or diverted. To be confirmed with Ausgrid.
AG0400	Ch1km 710 - Ch1km 960	Ausgrid	High Voltage	Under Castlereagh St eastern footpath between Hunter St and south of Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations. Refer to sections IH1, IK1, JE1, JG1, JO1, JP1, JQ1, KE4, TB1, TC1, TE1 and MD4 and includes Pit No's. 51693, 51699, 51736, 51763, 51806, 51816, 51828, 51890, 51937, 51960, 52013, 52771 and 52038.	Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished, 55 Hunter St and 37- 51 Martin Place, and under proposed construction site entry. Section of cables and conduits will need to be protected or lowered where they pass under the proposed site entry off Castlereagh St for building demolition and cut and cover works.
AG0600	Ch1km 800 - Ch1km 980	Ausgrid	High Voltage	Under Elizabeth St western footpath between Hunter St and Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations. Refer to sections BO1, BP1, DK1, JJ4, DL1, DX1, DY1 and DZ1 on DBYD plans and includes Pit No's. 51744, 51783, 51830, 51852, 51899 and 51961.	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished, 55 Hunter St. Section of cables and conduits will need to be protected or lowered where they pass under the proposed site exit onto Elizabeth St.
AG0610	Ch1km 800	Ausgrid	Substation	Under Martin Place Plaza adjacent to intersection with Elizabeth St. Pit structure with transformer, Ausgrid Ref: CCZ018903, with various incoming and outgoing duct and cables configurations. Substation No. S395.	Affected by proposed works for Martin Place Plaza. Will need to be decommissioned, removed and/or relocated due to the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
AG0615	Ch1km 800	Ausgrid	Pit	Under Martin Place Plaza and Elizabeth St intersection. Pit structure, Ausgrid Ref: 51993, with various incoming and outgoing duct and cables configurations including Optus communications optic fibre cables through incoming Ausgrid conduits.	Affected due to proposed relocations/diversions of existing conduits through Martin Place Plaza affected by the proposed works. Structure will require new breakouts in pit walls due to the need to relocate existing ducts and cables under Martin Place Plaza outside the area of proposed works.
AG0700	Ch1km 790	Ausgrid	20 x 140 FC conduits 11kV	Under Martin Place Plaza between Castlereagh St and Elizabeth St. Bank of conduits in a 2 x 10 configuration with HV, LV, SL and AUX cables, refer section RF3 on DBYD plans. DBYD plans show 3.5m depth of cover over conduits.	Affected by proposed works for Martin Place Plaza. Over proposed cavern/passageway. Will need to be relocated/diverted outside the area of works following the decommission of Sub No. 395 and removal of the pit structure. For proposed diversion route refer to rote marked up as AG0700_d. Note, Optus will need to be advised regarding the relocation of their cables present through the Ausgrid ducts.
AG0800	Ch1km 780	Ausgrid	High Voltage	Under Martin Place Plaza between Castlereagh St and Elizabeth St. Alignment comprises of various duct, pits, and cables configurations. Refer to sections CY4, CX4, CP4, SK1 and KF4 on DBYD plans and includes Pit No's. 52013, 52017 and 52018. Depth of cover as shown on DBYD plans along marked up route varies from 0.6-1.9m.	Affected by proposed works for Martin Place Plaza. Over proposed cavern/passageway. Will need to be protected and worked around, including pits, during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St.
AG0900	Ch1km 780 - Ch1km 790	Ausgrid	Substation	Adjacent to AG0800. Abandoned direct buried cables and 1 x 666 FC conduit with AUX cables, section SN1 on DBYD plans, including substation at proposed building to be demolished. DBYD plans do not show any cover depth over the conduit or cables. Substation No. S2853 at 37-51 Martin Place.	Affected by proposed works for Martin Place Plaza and building demolition. Substation and serviced to building to be demolished to be decomissioned, terminated and removed, including cables and conduits back to pit structure under Elizabet St, Ausgrid Ref: CCZ018903. Depth of existing services to be confirmed.
AG0905	Ch1km 790	Ausgrid	High Voltage	Adjacent to AG0800. 4 x 100 GI and 1 x 75 GI conduits with HV cables, section SO1 on DBYD plans. DBYD plans show 1.3m cover over the conduits.	Affected by proposed works for Martin Place Plaza. Over proposed cavern/passageway. Will need to be protected and worked around, including pits, during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
AG0920	Ch1km 750	Ausgrid	3 x100 AC conduits High Voltage	Under Elizabeth St western footpath south of Martin Place Plaza. Conduits with HV, LV and SL cables and adjacent direct buried SL and abandoned cables, sections HT3 and TP1 on DBYD plans, including Pit No's. 52052 and 52068. DBYD plans show 0.3m cover over the conduits including pits.	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished. Section of cables and conduits will need to be protected or lowered where they pass under the proposed site exit onto Elizabeth St to comply with minimum cover requirements.
TE1300	Ch1km 930	Telstra	Optic Fibre	Part single P100 and part 2 x P100 conduits to building at 55 Hunter Street including communication tower (B101). Vocus cables and subduct through Telstra ducts.	Affected as it passes through building to be demolished. Line to be disconnected and communications tower to be relocated. Tower relocation to be confirmed by Telstra.
TE1400	Ch1km 900 - Ch1km 950	Telstra	6 x E85 conduits Optic Fibre	Major cable/conduit network under Castlereagh St eastern footpath south of Hunter St to a pit halfway between Hunter St and Hoskins place in a 2 x 3 bank of conduits configuration with Soul and Vocus comms subducts.	Affected. In eastern footpath of Castlereagh Street adjacent to building to be demolished. Will need to be lowered or protected subject to proposed details for temporary construction entry location off Castlereagh Street to comply with minimum cover requirements.
TE1500	Ch1km 900 - Ch1km 920	Telstra	Optic Fibre	Under Castlereagh St eastern footpath from a pit halfway between Hunter St and Hoskins place to a building to be demolished. Part single P100 and part 2 x P100 conduits including an exchange (B64 - Telstra CMTS site) at 5 Elizabeth Street. AAPT and Vocus cables and subduct through Telstra ducts.	Affected. In eastern footpath of Castlereagh Street adjacent to building to be demolished. Part of service line to a building to be demolished, Telstra CMTS site, to be disconnected. Exchange to be relocated, to be confirmed by Telstra.
TE1600	Ch1km 900 - Ch1km 950	Telstra	Optic Fibre	Single P100 conduit with Vocus subduct in western footpath of Elizabeth St south of intersection with Hunter St and adjacent to 55 Hunter St.	Affected in part. In western footpath of Elizabeth Street adjacent to building to be demolished. Will need to be lowered or protected subject to proposed details for temporary construction exit location onto Elizabeth Street to comply with minimum cover requirements.
TE1800	Ch1km 900	Telstra	TBC	Conduit size and cable type TBC not shown on Telstra drawings. Telstra exchange site U1-U96 at 7 Elizabeth St.	Affected due to proposed demolition of 7 Elizabeth St. Exchange to be relocated, to be confirmed by Telstra.
TE2900	Ch1km 800	Telstra	4 x P100 conduits Optic Fibre	Through northern side of Martin Place Plaza between Castlereagh St and Elizabeth St comprising of a major cable/conduit network in a 2 x 2 bank of conduits configuration with Vocus, AAPT and Uecomm subducts.	Affected by proposed works for Martin Place Plaza. Will need to be relocated/diverted outside the area of works. For proposed diversion route refer to rote marked up as TE2900_d.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
TE3200	Ch1km 800	Telstra	6 x G85 conduits Optic Fibre	Through northern side of Martin Place Plaza between Castlereagh St and Elizabeth St and under Castlereagh St comprising of a major cable/conduit network in a 1 x 6 bank of conduits configuration with Vocus, AAPT, Uecomm and Primus subducts.	Affected by proposed works for Martin Place Plaza. Will need to be relocated/diverted outside the area of works. For proposed diversion route refer to rote marked up as TE2900_d.
TE3400	Ch1km 730 - Ch1km 790	Telstra	6 x P100 conduits Optic Fibre	Under Elizabeth St western footpath comprising of major cable/conduit network in a 2 x 3 bank of conduits configuration with AAPT, Vocus and Uecomm subducts.	May be affected in part where in western footpath of Elizabeth Street adjacent to building to be demolished, 37-51 Miller St. Depth to be confirmed. Will need to be lowered or protected subject to proposed details for temporary construction exit location onto Elizabeth Street to comply with minimum cover requirements.
TE3500	Ch1km 770	Telstra	4 x P100 conduits Optic Fibre	Through southern side of Martin Place Plaza between Castlereagh St and Elizabeth St and under Castlereagh St comprising of a major cable/conduit network in a 1 x 4 bank of conduits configuration with Vocus and Nextgen subducts.	Affected by proposed works for Martin Place Plaza. Will need to be protected and worked around, including pits, during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St.
TE3510	Ch1km 770	Telstra	2 x P100 conduits TBC	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.	Affected. Service line to building to be demolished. Service line to be disconnected and removed.
TE3520	Ch1km 750	Telstra	2 x P50 conduits TBC	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.	Affected. Service line to building to be demolished. Service line to be disconnected and removed.
TE3530	Ch1km 760	Telstra	4 x P100 conduits Optic Fibre	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.	Affected. Service line to building to be demolished. Service line to be disconnected and removed.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
OP0080	Ch1km 890 – Ch1km 970	Optus	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Castlereagh St eastern footpath to intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished, 55 Hunter St, including service connections to buildings to be demolished. Section of cables and conduits will need to be protected or lowered where they pass under the proposed site entry off Castlereagh St for building demolition and cut and cover works, refer scope of works for Ausgrid asset identified under AG0400. Service connections to disconnected and removed.
OP0100	Ch1km 920	Optus	Optus Tower	Optus owned communications tower at 5 Elizabeth Street.	Affected by proposed building demolition. Communications tower to be relocated.
OP0130	Ch1km 740 – Ch1km 815	Optus	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Castlereagh St eastern footpath from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished. Section of cables and conduits will need to be protected or lowered where they pass under the proposed site entry off Castlereagh St for building demolition and cut and cover works, refer scope of works for Ausgrid asset identified under AG0400.
OP0140	Ch1km 770 – Ch1km 780	Optus	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Martin Place Plaza between Castlereagh St and Elizabeth St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Affected by proposed works for Martin Place Plaza. Will need to be relocated due to the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St. To follow diversion route for Ausgrid asset identified under AG0700. Optus will need to be advised of the proposed relocation to arrange for their programming of works.
OP0150	Ch1km 765	Optus	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Martin Place Plaza between Castlereagh St and Elizabeth St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Affected by proposed works for Martin Place Plaza. Will need to be protected and worked around during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St, refer scope of works for Ausgrid asset identified under AG0800.
OP0170	Ch1km 715 – Ch1km 780	Optus	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Elizabeth St from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished. Section of cables and conduits will need to be protected or lowered where they pass under the proposed site exit onto Elizabeth St, refer scope of works for Ausgrid asset identified under AG0920.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
OC0050	Ch1km 960	Other Comms	Optic Fibre	Soul communications owned cable through Telstra duct, TE1400, in western footpath in Bligh St, under Bligh St and Hunter St intersection and service line to 55 Hunter St.	Affected in part due to proposed demolition of 55 Hunter St. TBC how many and what type of cables run through this conduit. Service to building to be demolished will need to be disconnected and removed. Section under footpath adjacent to excavation site may be affected by the site entry access off Castlereagh St and need protection or lowering, refer scope of works for Telstra asset identified under TE1400.
OC0052	Ch1km 740 – Ch2km 020	Other Comms	Optic Fibre	Verizon owned cables under Elizabeth Street western footpath then west under Hunter Street. Alignment is indicative only as sketched up based on DBYD received drawings and it is to be confirmed.	Affected in part. In western footpath of Elizabeth Street adjacent to building to be demolished, 55 Hunter St and 37-51 Martin Pl. Will need to be lowered or protected subject to proposed details for temporary construction exit location onto Elizabeth Street to comply with minimum cover requirements.
OC0056	Ch1km 820	Other Comms	Optic Fibre	Verizon duct under Martin Place Plaza between Castlereagh Street and Elizabeth Street adjacent to Macquarie Bank Building. Offset from building and location to be confirmed as only scketched up based on drawing information from DBYD.	Affected due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works. Will need to be relocated/diverted outside the area of works. For proposed diversion route refer to rote marked up as OC0056_d. Diversion route to be confirmed by Verizon.
OC0058	Ch1km 800	Other Comms	Optic Fibre	Verizon duct under Martin Place Plaza between Castlereagh Street and Elizabeth Street adjacent to Macquarie Bank Building. Offset from building and location to be confirmed as only scketched up based on drawing information from DBYD.	Affected due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works. Will need to be protected and worked around during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St.
OC0060	Ch1km 920	Other Comms	Optic Fibre	AAPT owned duct(s) and cable(s) under Castlereagh St eastern footpath adjacent to 55 Hunter St and service line to 55 Hunter St including joint "j1806/0497" in substation SUB1664, rack, media convertor, Metro 100 and Rectifier.	Affected in part due to proposed demolition of 55 Hunter St and removal of substation. TBC how many and what type of cables run through this conduit. Service to building to be demolished will need to be disconnected and removed. Section under footpath adjacent to excavation site may be affected by the site entry access off Castlereagh St and need protection or lowering to comply with minimum cover requirements.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
OC0070	Ch1km 900	Other Comms	Optic Fibre	AAPT cable(s) through Telstra ducts under Castlereagh St eastern footpath adjacent to 8-12 Castlereagh St and service line to Castlereagh St including rack, Metro 100.	Affected in part due to proposed demolition of 8-12 Castlereagh St. TBC how many and what type of cables run through this conduit. Service to building to be demolished will need to be disconnected and removed.
OC0080	Ch1km 800	Other Comms	Optic Fibre	AAPT owned pit, duct and cable, including joint "j3977", under Castlereagh Street eastern corner of intersection with Martin Place Plaza.	Affected in part due to the proposed demolition of 39 Martin Place. Service line to be disconnected and cables removed to AAPT owned pit.
OC0090	Ch1km 800	Other Comms	Optic Fibre	AAPT cable through non AAPT duct to 39 Martin Place, including joint "j3682 and j3683", under Martin Place Plaza adjacent to 37-51 Martin Place.	Affected due to the proposed demolition of 37-51 Martin Place and temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works. Service line to be disconnected and cable removed to Castlereagh Street.
OC0100	Ch1km 800	Other Comms	Optic Fibre	AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath north of Martin Place Plaza and under Martin Place Plaza.	Affected in part due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works. Affected length of cables be removed and terminated outside scope of works area.
OC0110	Ch1km 800	Other Comms	Optic Fibre	AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath south of Martin Place Plaza and under Martin Place Plaza including joint "j1794" in substation SUB 395.	Affected due to the proposed demolition of 37-51 Martin Place and temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works. Service line to be disconnected and cable removed.
OC0120	Ch1km 800	Other Comms	Optic Fibre	AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath south of Martin Place Plaza to 37- 51 Martin Place.	Affected in part due to the proposed demolition of 37-51 Martin Place. Affected length of cables be removed and terminated outside scope of works area.
OC0140	Ch1km 800	Other Comms	Optic Fibre	AAPT cables(s) through non AAPT duct under intersection of Martin Place Plaza with Elizabeth Street and under Martin Place Plaza west of Elizabeth St.	Affected in part due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works. Affected length of be removed and terminated outside scope of works area.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
JE0200	Ch1km 960	Jemena	High Pressure 100mm steel main	Steel main, secondary main 1050 kPa. Under Hunter St westbound lanes and under Elizabeth St including service connection off Elizabeth St to 55 Hunter St.	Affected in part, service to building to be demolished. Service to building to be disconnected and removed. Gas main under Hunter St not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.
JE0260	Ch1km 810	Jemena	Low Pressure 75mm NY	Network main 7 kPa. Stub to Martin Place Plaza at north- eastern corner of Martin Place Plaza and Castlereagh St intersection.	Affected by the temporary partial occupation are of Martin Place Plaza between Castlereagh St and Elizabeth St. To be disconnected and removed during the proposed cut and cover works for Martin Place Plaza and reinstated at completion of works. Proposed disconnection, removal and reinstatement is to be confirmed by Jemena.
JE0350	Ch1km 800 - Ch1km 950	Jemena	Low Pressure 75mm NY	75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa. Under Hunter St southern footpath and westbound lanes between Castlereagh St and Elizabeth St, and under Elizabeth St western footpath/northbound lanes from intersection of Hunter St and Elizabeth St to north of intersection of Elizabeth St and Martin Place Plaza.	Affected in part where under western footpath in Elizabeth Street and adjacent to building to be demolished. Section of gas main will need to be protected or lowered where it passes under the proposed site exit onto Elizabeth St to comply with minimum cover requirements.
JE0370	Ch1km 710 - Ch1km 740	Jemena	Low Pressure 75mm NY	Network main 7 kPa. Under Elizabeth St western footpath south of intersection with Martin Place Plaza.	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished. Section of main will need to be protected or lowered where it passes under the proposed site exit to Elizabeth St to comply with minimum cover requirements.
JE0400	Ch1km 710 - Ch2km 020	Jemena	High Pressure 150mm steel main	Steel main, secondary main 1050 kPa. Under Bligh St north of Hunter St and under Castlereagh St eastern footpath to south of intersection with Martin Place Plaza including service connection to 37-51 Martin Place.	Affected in part where under eastern footpath in Castlereagh Street and adjacent to building to be demolished. Section of main will need to be protected where it passes under the proposed site entry from Castlereagh St. The service connection to be disconnected and removed. Where the gas main passes under Hunter St it is not affected by the current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.

SITEMAP GIS ID	Track/Tunnel Chainage	Utility Owner	Туре	Size/Description	Utility Information and Assessment
WW0400	Ch1km 810 – Ch1km 880	SWC - Sewer	DN300 VC	Under Elizabeth St north of Martin Place Plaza and under Martin Place Plaza adjacent to Macquarie Bank building to Castlereagh St.	May be affected by proposed works for Martin Place Plaza. Approx. 6.8-5.8m deep through Martin Place Plaza based on SWC WAC plans, alignment of sewer to be confirmed. Likely to need protection during the temporary partial occupation of Martin Place Plaza for cut and cover and tunneling works between Castlereagh St and Elizabeth St.
PW0500	Ch1km 730 - Ch1km 950	SWC - Water	DN250 CICL	Under Castlereagh St eastern footpath between Hunter St and south of Martin Place Plaza.	Section of main will need to be protected or lowered where it passes under the proposed site entry off Castlereagh St for building demolition and cut and cover works to comply with minimum cover requirements.
PW0520	Ch1km 700 - Ch1km 950	SWC - Water	DN450 CICL	Under Elizabeth St western footpath between Hunter St and south of Martin Place Plaza.	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished, 55 Hunter St. Section of main will need to be protected or lowered where it passes under the proposed site exit onto Elizabeth St to comply with minimum cover requirements.
PW0540	Ch1km 700 - Ch1km 770	SWC - Water	DN150 CICL	Under Martin Place Plaza south side and under Elizabeth St western footpath.	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished. Section of main will need to be protected or lowered where it passes under the proposed site exit onto Elizabeth St to comply with minimum cover requirements.
Co0010	Ch1km 810	Stormwater (City of Sydney)	DN375	Existing stormwater line through Martin Place Plaza on northern side between Elizabeth Street and Castlereagh Street.	Affected by proposed works for Martin Place Plaza. Will need to be removed during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St and reinstated when works are complete.
Co0020	Ch1km 790	Stormwater (City of Sydney)	DN375	Existing stormwater line through Martin Place Plaza on northern side between Elizabeth Street and Castlereagh Street.	Affected by proposed works for Martin Place Plaza. Will need to be removed during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St and reinstated when works are complete.

wdow Papid Transit -					8					1		GIS colour coding				1			
ydney Rapid Transit – TILITIES MAPPING - S		denham Station										affected - removed							
inted date:		Count										identified - no works							
vision:	_	208										design or adjusted							
	lookup	lookup	Size					geotech !			lookup	lookup	lookup	lookup					Scope of adjustment Works
Sydney Metro dentification Number (ID)	Station	Utility Owner	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Lateral or Longitudinal	NSW &/or SWC Heritage item	Significant Utility - Y	Contract: Demolition/ Early Works/ TSE/ ContralStn	Identified Length (m)	(Y/N)	Protect/ Adjust/ Remove - Utility	Sydney Metro Sth West (V01) - Y	City V09 (incl. Waterloo) - Y	Sydney Metro future Versions	MAJOR risk item TIME I=impacted, N=noted	MAJOR risk item COST I=impacted, N=noted	Additional Information	Scope of adjustment Works
					North eastern corner of Hunter St and Bligh St. DBYD plans show 3 x direct buried abandoned cables with 0.3m cover parallel to 3 x 100 AC				Centratour									Not affected by current station arrangement. Will be affected if cut and	
0100	Martin Place	Ausgrid	See comments	Low Voltage	conduits containing LV and SL cables with 0.6-0.7m cover, section AJ1 on DBYD plans. Including Plt No. 51633.	Longitudinal				35	No			Yes				cover excavation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
100	marannace	Ausgrid	occ comments	Low Voltage	Under Hunter St east bound lanes at intersection with Bligh St. Part 4 x 100 AC conduits in 2(H) x 2(V) configuration with and AUX cables, section	congradman					110			100				Not affected by current station arrangement. Will be affected if cut and	
					HX1 on DBYD plans, and part unknown as not shown on DBYD plans.													cover excavation at corner of Hunter and Bligh St is adopted for potential	
110	Martin Place	Ausgrid	See comments	High Voltage	Including Pit No. 51637. No depth of cover shown on DBYD plans. Under north eastern footpath of Bligh St and Hunter St intersection. 1 x 4	Lateral				42	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential	
120	Martin Place	Ausgrid	4 x 100 AC conduits	High Voltage	conduits configuration with HV and AUX cables, section EY1 on DBYD plans. DBYD plans show 1.2m cover over the conduits.	Longitudinal				34	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					Under Bligh St north of intersection with Hunter St crossing east-west. 1 x 4 conduits configuration with HV. LV and SL cables, section EZ1 on DBYE													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0130	Martin Place	Ausgrid	4 x 100 AC conduits	See comments	plans. DBYD plans show 0.6-0.8m cover over the conduits.	Lateral				28	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					Under Bligh St south bound lanes at intersection with Hunter St. Bank of 2 x 4 conduits configuration with HV and AUX cables, section AI1 on DBYD													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
140	Martin Place		8 x 100 FC conduits		plans. DBYD plans show 1.5m cover over the conduits.	Longitudinal				42	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
150	Martin Place	Ausgrid	TBC	132kV	Future City East Cable Tunnel. Under Bligh St south bound lanes at intersection with Hunter St and	Lateral		Yes		171	No			Yes		N	N	Not affected.	
					parallel to AG0140. Bank of 9 x 150 AC conduits and 3 x 50 AC conduits in 3 x 4 conduits configuration comprising of HV and AUX cables, section													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0160	Martin Place	Ausgrid	See comments	High Voltage	MT4 on DBYD plans. DBYD plans show 1.2-1.9m cover over the conduits. Under Bligh St western footpath and under Hunter St west of Bligh St and	Longitudinal				43	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					Hunter St intersection. Varied conduits configurations, sections FE1, FB1, OV3 and EX1 on DBYD plans, with abandoned, HV, LV and SL cables.													Not affected by current station arrangement. Will be affected if cut and	
					Includes Pit No's. 51625, 51611 and 51609. DBYD plans show 0.4-0.6m													cover excavation at corner of Hunter and Bligh St is adopted for potential	
0170	Martin Place	Ausgrid	Varied	See comments	cover over the conduits. Under Hunter St east bound lanes west of and up to intersection with Bligh	Longitudinal				45	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					St. Part 16 x 140 AC in 4 x 4 configuration, part 12 x 100 AC in 3 x 4 configuration, and 3 x 100 + 16 x 140 FC ducts in 4 x 1 + 5 x 3														
					configuration of ex tramway shared ducts with RMS, sections OI3, NR4 and HW1 on DBYD plans including Pit No. 51650, HV and AUX cables.													Not affected by current station arrangement. Will be affected if cut and	
0180	Martin Place	Ausgrid	See comments	High Voltage	For part of alignment no cover depth shown on DBYD plan and for part DBYD plans show 1.1-1.3m cover.	Lateral				45	No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
	marannace	raogra	ccc comments	righ volage	LV abandoned cables. Under Hunter St from west of intersection with Bligh									100				Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Blioh St is adopted for potential	
190	Martin Place	Ausgrid	LV	Abandoned	St to north eastern corner with Chilley Sq/Phillip St, Pit No. 51659.	Lateral				98	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					LV abandoned cables. Under Hunter St west bound lanes west of intersection with Bligh St to a pit at south eastern corner of Hunter St and													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
0191	Martin Place	Ausgrid	LV	Abandoned	Castlereagh St intersection. LV abandoned cables. Under Hunter St west of intersection with	Lateral				58	No			Yes					
0193	Martin Place	Ausgrid	LV	Abandoned	Castlereagh St/Bligh St. LV abandoned cables. Under Hunter St west of intersection with	Lateral				20	No			Yes				Not affected.	
0194	Martin Place	Ausgrid	LV	Abandoned	Castlereagh St/Bligh St.	Lateral				8	No			Yes				Not affected. Not affected by current station arrangement. Will be affected if cut and	
0196	Martin Place	Ausgrid	IV	Abandoned	LV abandoned cables. Under Bligh St western footpath and under Hunter St west of Bligh St and Hunter St intersection parallel to AG0170.	Lateral				32	No			Yes				cover excavation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
0197	Martin Place	Ausgrid	LV	Abandoned	LV abandoned cables. Under Hunter St west of intersection with Castlereagh St/Bligh St.	Lateral				8	No			Yes				Not affected	
,107	Malon Place	Ausgild	LV	Abaliooned	LV abandoned cables. Under Bligh St western footpath and under Hunter	Laterai				0	NO			105				Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0198	Martin Place	Ausgrid	LV	Abandoned	St west of Bligh St and Hunter St intersection parallel to AG0196.	Lateral				155	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					LV abandoned cables. Under Hunter St southern footpath west of intersection with Castlereagh St and around and under the south western														
)199	Martin Place	Ausgrid	LV	Abandoned	corner of Hunter St and Castlereagh St intersection. Pit structure, Pit No. 51657, under Hunter St and Castlereagh St	Lateral				38	No			Yes				Not affected. Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential	
0200	Martin Place	Ausgrid	TBC	Pit	intersection with various incoming and outgoing duct and cables configurations.			Yes			No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
		5			Pit structures and duct only. To be confirmed as no detail given on DBYD plans. Under Hunter St west bound lanes from west of Blinh														
					St/Castlereagh St intersection, Pit No. 51638, to east of Hunter St and Elizabeth St intersection, Pit No. 51703. Including Pit No's. 51649, 51669													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
205	Martin Place	Ausgrid	See comments	Pit	and 51689. Under Hunter St west bound lanes west of intersection with Castlereagh	Lateral		Yes		118	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					St between pits 51649 and 51650. Bank of 2 x 3 conduits configuration													Not affected by current station arrangement. Will be affected if cut and	
210	Martin Place	Ausgrid	6 x 140 FC conduits	High Voltage	with HV, section HS1 on DBYD plans. DBYD plans show 0.8-1.2m cover over the conduits.	Lateral				9	No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
					Single conduit with AUX cable, section AV1 on DBYD plans. Under Hunter St west bound lanes from west of Bligh St/Castlereagh St intersection, Pit														
					No. 51630, to east of Hunter St and Elizabeth St intersection, Pit No. 51707. Including Pit No's. 61680 and 51691. No cover depth shown on													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0215	Martin Place	Ausgrid	1 x 100 GI conduit	High Voltage	DBYD plans. Direct buried SL cable(s) under Hunter St southern footpath west of	Lateral				132	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
220	Martin Place	Ausgrid	See comments	Street Light	intersection with Castlereagh St and around ant under the western footpath of Castlereagh St.	Lateral				42	No			Yes				Not affected.	
		raogra	cee comments	oreer Eight	Under Hunter St southern footpath west of intersection with Castlereagh St and around ant under the western footpath of Castlereagh St. Varied									100					
					conduits configuration, sections HU1, IX4, IW4, TL3, TM3 on DBYD plans														
					with HV, LV and SL cables. DBYD plans show 2 x 63 PVC conduits with 0.3m cover, parallel 2 x 125 PVC conduits with no cover recorded, and 0.5														
1225	Martin Place	Ausgrid	See comments	High Voltage	0.6m cover over the conduits at section HU1. Under Hunter street east bound lanes between Castlereagh St and	Lateral			-	28	No			Yes				Not affected.	
					Elizabeth St. Bank of 3 x 4 conduits configuration with HV and AUX cables, sections AP1 and NS4, including Pit No's. 51664 and 51673. Ex													Not affected by current station arrangement. Will be affected if cut and	
230	Martin Place	Ausgrid	12 x 100 AC conduits	High Voltage	tramway shared ducts RMS/Ausgrid. DBYD plans do not show cover depth over the conduits.	Lateral				66	No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
		-			Under Hunter street east bound lanes between Castlereagh St and Elizabeth St, parallel to AG0230. Bank of 2 x 2 conduits configuration with														
					HV and AUX cables, sections AU1 and BG1 on DBYD plans, including Pit No's, 51677, 51684 and 51701, DBYD plans do not show cover deeth over													Not affected by current station arrangement. Will be affected if cut and	
225	Martin Place	Augarid	4 x 100 FC conduits	High Voltage	the conduits along Section AU1 and show 1.1-1.2m cove over the conduits along Section BG1.	Lateral				80	No			Yes				four elected by content station analysisment. Will be allected in cut and cover excavation at comer of Hunter and Bilgh St is adopted for potential future link to 33 Bilgh St for potential entrance off O'Connell St.	
1235	Marun Mace	Ausgrid	→ x 100 FC conduits	mign Voltage	Under Hunter St and Castlereagh St intersection eastern pedestrian	Lateral				oU	NO			TES					
					crossing. 1 x 4 conduit configuration, section AT1 on DBYD plans, including Pit No. 51669. DBYD plans show 0.8-1.2m cover over the													Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0240	Martin Place	Ausgrid	4 x 100 AC conduits	High Voltage	conduits. HV, LV and SL cables through ducts.	Longitudinal			1	13	No			Yes		-		future link to 33 Bligh St for potential entrance off O'Connell St.	

ydney Rapid Transit - JTILITIES MAPPING -		Cdenham Station																
rinted date:		Count									identified - no works				-			
vision:		208									Identified - no works							
vision:		208 lookup								lookun	design or adjusted							
Sydney Metro	lookup	Iookup	Size	Туре	I Miliky in farmation	Lateral or NSW &/or SWC	geotech !	Contracts	Identified	lookup	lookup Protect/ Adjust/	lookup	lookup	Curdence Master	MA IOD sink	MAJOR risk	Additional information	Scope of adjustment Works
dentification Numbe	er	Othity Owner	3120	Type	(i.e. UG or OH, tunnel etc.)	Longitudinal Heritage item	Utility - Y	Demolition/	Length (m)	(Y/N)	Remove - Utility	Sth West (V01) -	City V09 (incl.	future	item TIME	item COST	Additional miorimation	acope of adjustment works
(ID)					,			Early Works/				Y	Waterloo) - Y	Versions	I=impacted,	I=impacted,		
								TSE/							N=noted	N=noted		
					Under middle of Hunter Street between Castlereagh St and Elizabeth St			CentralStil										
					and turning onto Castlereagh St. Varied configurations of direct buried													
					cables and concrete encased conduits. DBYD plans show varied depth of												Not affected by current station arrangement. Will be affected if cut and	
					cover between 0.7-1.6m along the route. Part of the cables along the route												cover excavation at corner of Hunter and Bligh St is adopted for potential	
0245	Martin Place	Ausgrid	See comments	132kV	in Hunter St are shown as removed, to be confirmed by Ausgrid.	Lateral	Yes		132	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					LV abandoned cables. Under Hunter St southern footpath between												Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0250	Martin Place	Ausgrid	LV	Abandoned	Castlereach St and Elizabeth St	Lateral			55	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
10230	Maturi Fiace	Adogrid	LV	Abandoneu	Under Hunter St and Bligh St intersection north eastern corner. 3 x 100	Latera				NO			165				latale link to 35 bigh 3t to potential entrance on O connell 3t.	
					AC conduits with no cover recorded parallel to 4 x 100 AC conduits												Not affected by current station arrangement. Will be affected if cut and	
					between Pit No's 51657 and 51639 with 0.6-0.8m cover as per details on												cover excavation at corner of Hunter and Bligh St is adopted for potential	
0255	Martin Place	Ausgrid	See comments	High Voltage	DBYD plans with HV and AUX cables, section AO1.	Lateral			6	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					Pit structure, Pit No. 51639, at north eastern corner of Bligh St and Hunter St intersection with various incoming and outgoing duct and cables												Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
0260	Martin Place	Augusta	See comments	Pit	st intersection with various incoming and outgoing duct and cables configurations.								Yes				cover excavation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
0200	Martin Place	Ausgrid	See comments	Pit	Under Hunter St northern footnath between Bligh St and Chilley So/Phillip					NO			Tes		-		iuture link to 33 Biign St for potential entrance on O Connell St.	
					St. Varied conduits configurations along route with HV and LV, refer to													
					sections FE4, FF4, AM1 and AQ1 on DBYD plans for details, including Pit													
)265	Martin Place	Ausgrid	Varied	High Voltage	No's 51646 51648 51654 and 51659	Lateral			46	No			Yes		1		Not affected.	
					Under western pedestrian crossing at Hunter St and Elizabeth St													
					intersection. 1 x 4 conduits configuration with HV, LV and SL cables,													
0270	Martin Place	Ausgrid	4 x 100 FC conduits	High Voltage	section AS1 on DBYD plans. DBYD plans show 0.6-0.9m cover over the conduits.	Longitudinal			18	No			Yes				Not affected.	
	Marun Flave	-voogno	- x roor o conduits	riigii voitage	Under western footpath of Chifley Sq/Phillip St and intersection with	congradina			10	NU			105				IN MILLOLU.	
					Hunter St. Part 2 x 2 conduits configuration, section AX1, and part 1 x 4										1			
					conduits configuration, section AF1, with HV and AUX cables including Pit													
		Augusta	4	1846.51.5	No. 51677 as on DBYD plans. DBYD plans show 1.2-1.8m cover over the												Not offering	
0275	Martin Place	Ausgrid	4 x 100 FC conduits	High Voltage	conduits. Under norther pedestrian crossing at Hunter St and Chifley Sq/Phillip St	Longitudinal			32	No			Yes				Not affected.	
					Under norther pedestrian crossing at Hunter St and Chifley Sq/Phillip St intersection. DBYD plans show 0.5-0.9m cover over the conduits with										1			
280	Martin Place	Ausgrid	3 x 100 AC conduits	High Voltage	abandoned, HV, and SL cables, sections BC1 and BD1.	Lateral			32	No			Yes				Not affected.	
				1	Under Chifley Sq/Phillip St south bound lanes. 2 x 5 conduits configuration	1												
			10 x 140 FC		with HV, LV and AUX cables. DBYD plans show 0.8-1.2m cover over the													
0285	Martin Place	Ausgrid	conduits	High Voltage	conduits.	Lateral			35	No			Yes				Not affected.	
			8 x 150 PVC		Under Hunter St and Castlereagh St intersection. Bank of 2 x 4 conduits												Not affected by current station arrangement. Will be affected if cut and	
290	Martin Place	Ausgrid	8 x 150 PVC conduits	High Voltage	configuration with HV cables. DBYD plans show 1.2-1.7m cover over the conduits, section ED4.	Lateral			13	No			Yes				cover excavation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
230	Maturi Fiace	Adogrid	conduits	riigit voitage	Under Hunter St and Castlereagh St intersection. Bank of 2 x 3 conduits	Latera			13	NU			Tes				Not affected by current station arrangement. Will be affected if cut and	
					configuration with HV cables. DBYD plans show 0.8-1.4m cover over the												cover excavation at corner of Hunter and Bligh St is adopted for potential	
0295	Martin Place	Ausgrid	6 x 140 FC conduits	High Voltage	conduits section IA1	Lateral			6	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
					Under Hunter St southern footpath between Castlereagh St and Elizabeth													
1300	Martin Place	Ausarid	See comments	See comments	St. Various duct and cables configurations including Pit No's. 51686, 51688, 51696 and 51697. Configurations to be confirmed as not shown on					No							Not affected if no works proposed for Hunter Street footpath adjacent to building site.	
0300	Martin Place	Ausgna	See comments	See comments	Under Castlereagh St south of intersection with Hunter St. Bank of 2 x 2	Lateral			45	No			Yes				building site.	
					conduits configuration with HV and AUX cables, section IC1 on DBYD													
					plans, including pit structure and sub-station/transformer, DBYD plans													
0305	Martin Place	Ausgrid	4 x 100 FC conduits	Sub	plans, including pit structure and sub-station/transformer. DBYD plans show 0.9-1.2m cover over the conduits.	Longitudinal	Yes		12	No			Yes		N	N	Not affected as no works proposed for Castlereagh St footpath.	
					Under Castlereagh St south on intersection with Hunter St. Bank of 2 x 3													
					conduits configuration with LV and AUX cables, section ID1 on DBYD													
0310	Martin Place	Ausgrid	6 x 100 FC conduits	Low Voltage	plans, including pit 51700. DBYD plans show 1.4m cover over the conduits.	Lateral			11	No			Yes				Not affected.	
0310	Martin Place	Ausgilu	O X TOO FC CONDUIS	LOW VOILage	Under Castlereagh St south of AG0310. 1 x 4 conduits configuration with	Latera				NO			Tes				Nut dilected.	
					HV and AUX cables, section IF1 on DBYD plans, including Pit No. 51722.													
0315	Martin Place	Ausgrid	4 x 100 FC conduits	High Voltage	DBYD plans show 0.9m cover over the conduits.	Lateral			8	No			Yes				Not affected.	
					Under Castlereagh St south of AG0310. 1 x 4 conduits configuration with													
					HV and AUX cables, section IF1 on DBYD plans. DBYD plans show 0.8-													
320	Martin Place	Ausgrid	4 x 100 FC conduits	11kV	1.4m cover over the conduits.	Lateral	Yes	Demolition	10	Yes	Remove		Yes				Affected due to substation removal as described under as AG0335.	Cables to be terminated and disused. To be confirmed by Ausgr
			4 x 140 PVC		Under Castlereagh St south of AG0315. Bank of 2 x 2 conduits configuration with HV and AUX cables, section II1 on DBYD plans. DBYD										1			
0325	Martin Place	Ausgrid	4 x 140 PVC conduits	High Voltage	contiguration with HV and AUX cables, section II1 on DBYD plans. DBYD plans show 1.1m cover over the conduits.	Lateral			16	No			Yes		1		Not affected.	
	Marun Flave		CONSULS	right countie	South of Hunter St and Castlereagh St intersection within building to be	COLOR IN COLOR INC.			10	NU			105		-			
					demolished, 55 Hunter St. Pit structure with transformer and various										1			
					incoming and outgoing duct and cables configurations. Ausgrid reference										1			
					number not clear on DBYD plans. Sits between Pit No', 51723 and 51736.										1			Substation to be removed and cables terminated or diverted. To
0335	Martin Place	Ausgrid	See comments	Sub	Sub No. S1664. In footpath in front to 4-8 Castlereagh St. No details and no cover depth		Yes	TSE		Yes	Remove		Yes		<u> </u>	<u> </u>	Affected. Inside 55 Hunter St building proposed for demolition.	confirmed with Ausgrid.
															1			
0350	Martin Place	Ausgrid	See comments	Low Voltage	shown on DBYD plans. GIS shows LV and abandoned cables. Ausgrid to confirm.	Longitudinal			11	No			Yes		1		Not affected. To be confirmed if abandoned.	
0000	marun Place	raagina	our comments	Low Youdyd	Under footpath at south western cornet of Hunter St and Elizabeth St	congituuniai				140			165		1			
					intersection. 1 x 125 PVC conduit with SL cables, section OE3 on DBYD										1			
0360	Martin Place	Ausgrid	1 x 125 PVC conduit	Street Light	plans. No cover depth shown on DBYD plans.	Lateral			6	No			Yes		1		Not affected.	
					Under Castlereagh St eastern footpath between Hunter St and south of													
					Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations. Refer to sections IH1_IK1_IE1_IG1_IG1_ID1_IP1_IO1_KE4										1			
					configurations. Refer to sections IH1, IK1, JE1, JG1, JO1, JP1, JQ1, KE4, TB1, TC1, TE1 and MD4 and includes Pit No's. 51693, 51699, 51736,										1		Affected in part. Through eastern footpath in Castlereagh Street and	Section of cables and conduits will need to be protected or lower
					1B1, 1C1, 1E1 and MD4 and includes Pit No's. 51693, 51699, 51736, 51763, 51806, 51816, 51828, 51890, 51937, 51960, 52013, 52771 and										1		Affected in part. Inrough eastern tootpath in Castlereagn Street and adjacent to building to be demolished, 55 Hunter St and 37-51 Martin	section of cables and conduits will need to be protected or lowe they pass under the proposed site entry off Castlereagh St for b
400	Martin Place	Ausgrid	See comments	High Voltage	52038.	Longitudinal		TSE	240	Yes	Adjust		Yes				Place, and under proposed construction site entry.	demolition and cut and cover works.
					Under Castlereagh St northern pedestrian crossing at Martin Place Plaza.										1			
					1 x 4 conduit configuration with HV, LV and AUX cables, section JN1/MC4										1			
405	Martin Place	Ausgrid	4 x 100 AC conduits	High Voltage	on DBYD plans. DBYD plans show depth of cover 0.6 - 1.0m	Lateral			16	No			Yes				Not affected.	
					Under Castlereagh St between Hunter St and south of Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations. Refer													
					to sections OT3, IB1, IL1, KA3, LR3 and EJ4 on DBYD plans and includes										1			
410	Martin Place	Ausgrid	See comments	High Voltage	Pit No's 51678 51720 51746 51805 and 51991	Longitudinal			230	No			Yes		1		Not affected. Under Castlereagh Street and over tunnel.	
					Under Castlereach St/ Martin Place Plaza crossing. Pit and duct only. Pit										1			
415	Martin Place	Ausgrid	TBC	See comments	No. 51949. To be confirmed by Ausgrid as no detail given on DBYD plans. Under Castlereagh St south of Martin Place Plaza. 8 x 100 FC (4 x 2	Lateral			19	No			Yes				Not affected.	
					configuration) and 4 x 100 FC (2 x 2 configuration) of conduits with HV and										1			
420	Martin Place	Aunorid	Roo commont-	High Voltage	AUX cables, sections SY1 and TG1 on DBYD plans including Pit No.	Lateral			45	No			Voo		1		Not officiated Under Continenant Street and over tunne'	
)420	Martin Place	Ausgrid	See comments	High Voltage	52039. DBYD plans show 0.8-0.9m depth of cover over conduits. Under Castlereach St from halfway between Hunter St and Martin Place	Latela			40	INO			Yes				Not affected. Under Castlereagh Street and over tunnel.	
					Plaza to intersection of Castlereagh St and Martin Place Plaza crossing.													
					Alignment comprises of various duct, pits and cables configurations. Refer													
					to sections JJ1, JL1, JM1, IY1, MF4, IX1 and JF1 on DBYD plans and													
0425	Martin Place	Ausgrid	See comments	High Voltage	includes Pit No. 51873.	Longitudinal			85	No			Yes				Not affected. Under Castlereagh Street and over tunnel.	
500					HV and LV cables. No details shown on DBYD plans, TBC. Service to				. 1						1			
	Martin Place	Ausgrid	See comments	High Voltage	Macquarie Bank building.	Lateral			42	No			Yes		1		Not affected. Services to existing building to remain.	

nted date:	· St METR	RC denham Station									GIS colour coding	.						
	- or	Count									identified - no works							
tion:		208									design or adjusted	•						
	lookup	lookup					geotech !			lookup	lookup	lookup	lookup					
Sydney Metro	Station	Utility Owner	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Lateral or NSW &/o		Contract:	Identified	Utility affected	Protect/ Adjust/	Sydney Metro	Sydney Metro	Sydney Metro	MAJOR risk	MAJOR risk	Additional information	Scope of adjustment Works
(ID)	er				(i.e. UG or OH, tunnel etc.)	Longitudinal Heritag	e item Utility - Y	Early Works/ TSE/ CentralStn	Length (m)	(Y/N)	Remove - Utility	Sth West (V01) Y	 City V09 (incl. Waterloo) - Y 	future Versions	item TIME I=impacted, N=noted	item COST I=impacted, N=noted		
					Under Elizabeth St western footpath between Hunter St and Martin Place Plaza Alignment comprises of various duct nits and cables													
					Plaza. Alignment comprises of various duct, pits and cables configurations. Refer to sections BO1, BP1, DK1, JJ4, DL1, DX1, DY1 and												Affected in part. Through western footpath in Elizabeth Street and adjace	nt
					DZ1 on DBYD plans and includes Pit No's. 51744, 51783, 51830, 51852,												to building to be demolished, 55 Hunter St, and under proposed	Section of cables and conduits will need to be protected or lower
00	Martin Place	Ausgrid	See comments	High Voltage	51899 and 51961. Sub No. 395. Under Martin Place Plaza adjacent to intersection with	Longitudinal		TSE	136	Yes	Adjust		Yes				construction site exit.	they pass under the proposed site exit onto Elizabeth St. Will need to be decommissioned, removed and/or relocated due
510	Martin Place	A	See comments	Sub	Elizabeth St. Pit structure with transformer, Ausgrid Ref: CCZ018903, with various incoming and outgoing duct and cables configurations.		Yes	TSE		Yes	Remove		Yes				Affected by proposed works for Martin Place Plaza.	temporary partial occupation of Martin Place Plaza between Cast St and Elizabeth St.
10	Marun Place	Ausgrid	See comments	Sub	Under Martin Place Plaza and Elizabeth St intersection. Pit structure,		Tes	ISE		Tes	Remove		Tes				Allected by proposed works for Martin Place Plaza.	
					Ausgrid Ref: 51993, with various incoming and outgoing duct and cables configurations including Optus communications optic fibre cables through												Affected due to proposed relocations/diversions of existing conduits	Structure will require new breakouts in pit walls due to the need existing ducts and cables under Martin Place Plaza outside the
15	Martin Place	Ausgrid	See comments	Pit	incoming Ausgrid conduits.		Yes	TSE		Yes	Adjust		Yes		1	1	through Martin Place Plaza affected by the proposed works.	proposed works.
					Under Elizabeth St. Under Elizabeth St western footpath between Hunter St and Martin Place Plaza. Alignment comprises of various duct, pits and													
					cables configurations. Refer to sections BI1. BN1, HF4, HG4, HH4 and													
20	Martin Place	Ausgrid	See comments	High Voltage	HI4 on DBYD plans and includes Plt No's. 51789 and 51771. DBYD plans show varied deoths of cover between 0.8 - 2.1m.	Longitudinal			161	No			Yes				Not affected Linder Elizabeth Street and over tunnel	
	inditin'i dec	rangina		righ totage	Under Elizabeth St and Martin Place Plaza intersection. Bank of conduits	Congraduitai			101	140			100				Not affected by current proposal as no works proposed for Elizabeth	
0	Martin Place	Ausarid	18 x 100 AC conduits	High Voltage	in 2 x 9 configuration with HV, LV, SL and AUX cables, section LP3 on DBYD plans. No cover depth shown on DBYD plans.	Lateral			37	No			Yes				St/Martin Place Plaza intersection. Will be affected if proposed cut and cover option at Elizabeth St for the station is adopted.	
													1					Will need to be relocated/diverted outside the area of works fol
					Under Martin Place Plaza between Castlereagh St and Elizabeth St. Bank of conduits in 2 x 10 configuration with HV, LV, SL and AUX cables, refer													decommission of Sub No. 395 and removal of the pit structure. proposed diversion route refer to rote marked up as AG0700_d
			20 x 140 FC		section RF3 on DBYD plans. DBYD plans show 3.5m depth of cover over													Optus will need to be advised regarding the relocation of their
	Martin Place	Ausgrid	conduits	11kV	conduits. Under Martin Place Plaza between Castlereagh St and Elizabeth St.	Lateral	Yes	TSE	70	Yes	Adjust		Yes		I		Affected by proposed works for Martin Place Plaza.	present through the Ausgrid ducts.
					Alignment comprises of various duct, nits and cables configurations. Refer													
					to sections CY4, CX4, CP4, SK1 and KF4 on DBYD plans and includes Pit No's. 52013, 52017 and 52018. Depth of cover as shown on DBYD													Will need to be protected and worked around, including pits, d temporary partial occupation of Martin Place Plaza between Ca
	Martin Place	Ausgrid	See comments	High Voltage	plans along marked up route varies from 0.6-1.9m. Sub No. S2853 at 37-51 Martin Place, to be demolished, including	Lateral		TSE	80	Yes	Protect		Yes				Affected by proposed works for Martin Place Plaza.	St and Elizabeth St.
					incoming cables. Abandoned direct buried cables and 1 x 666 FC conduit													Substation and serviced to building to be demolished to be decomissioned, terminated and removed, including cables and
	Martin Place	Ausgrid	See comments	Sub	with AUX cables, section SN1 on DBYD plans. DBYD plans do not show any cover depth over the conduit or cables.	Lateral	Yes	Demolition	30	V	Remove		Yes		1.		Affected by proposed works for Martin Place Plaza and building demolition	back to pit structure under Elizabet St, Ausgrid Ref: CCZ0189
	Martin Place	Ausgrid	See comments	SUD	Adjacent to AG0800. 4 x 100 GI and 1 x 75 GI conduits with HV cables,	Lateral	Yes	Demolition	30	Yes	Remove		Yes		-		Affected by proposed works for Martin Place Plaza and building demolitio	 existing services to be confirmed. Will need to be protected and worked around, including pits, or
	Martin Place	Ausarid	See comments	1 Each Mathematic	section SO1 on DBYD plans. DBYD plans show 1.3m cover over the conduits.	Lateral		TSF	13	Yes	Protect		Yes				Affected by proposed works for Martin Place Plaza.	temporary partial occupation of Martin Place Plaza between C St and Elizabeth St
	Marun Place	Ausgrid	See comments	High Voltage	Under Elizabeth St south of Martin Place Plaza. Alignment comprises of	Lateral		ISE	13	tes	Protect		Tes	+	1		Allected by proposed works for Martin Place Plaza.	Stand Eizabeth St.
					various duct, pits and cables configurations. Refer to sections SR1, TS1 and TO1 on DBYD plans and includes Pit No's. 52016, 52033, 52079 and													
	Martin Place	Ausgrid	See comments	Pit	52091.	Longitudinal	Yes		66	No			Yes				Not affected. Under Elizabeth Street bus lane.	
					Under Elizabeth St western footpath south of Martin Place Plaza. Conduits with HV, LV and SL cables and adjacent direct buried SL and abandoned	-												Section of cables and conduits will need to be protected or low
			3 x100 AC/FC		cables, sections HT3 and TP1 on DBYD plans, including Pit No's. 52052												Affected in part. Through western footpath in Elizabeth Street and adjace	nt they pass under the proposed site exit onto Elizabeth St to cor
0	Martin Place	Ausgrid	conduits	High Voltage	and 52068. DBYD plans show 0.3m cover over the conduits including pits. Under Elizabeth St western footpath south of Martin Place Plaza parallel to	Longitudinal		TSE	52	Yes	Adjust		Yes				to building to be demolished.	minimum cover requirements.
					AG0920. HV cables through varied conduit configuration, sections SQ1,													
5	Martin Place	Ausgrid	4 x 140 AC conduits	s High Voltage	HU3 and HS3 on DBYD plans, with cover depth as shown on DBYD plans varying from 0.3-0.6m along the route.	Longitudinal			24	No			Yes				Not affected.	
,	maturi Flace	rasgin	4 x 140 / 10 Conduit	s rightenage	Under Elizabeth St western footpath south of Martin Place Plaza parallel to	Congitudinal			24	NO			165				no unocco.	
					AG0920. Bank of 2 x 2 conduits configuration with HV, LV and SL cables, section HX3 on DBYD plans. DBYD plans show 0.6m of cover over the													
)	Martin Place	Ausgrid	4 x 140 FC conduits	s High Voltage	conduits.	Longitudinal			13	No			Yes				Not affected.	
	Martin Place	Telstra	TBC	Optic Fibre	Telstra Tunnel under Bridge St between Pitt St and Loftus St.	Lateral	Yes		130	No			Yes		N	N	Not affected. Tunnel depth and size modelled based on WAC information	
																	Not affected by current station arrangement. May be affected subject to	
	Martin Place	Telstra	TBC	Optic Fibre	Telstra Tunnel under Elizabeth St and Hunter St.	Lateral	Yes		320	No			Yes	Yes	1	I	final station access alignment and construction details for access to 33 Bligh St. Tunnel depth and size modelled based on WAC information.	
	Martin Place	Telstra	TBC	Optic Fibre	Telstra Tunnel under Chifley Square and intersection of Hunter St and Chifley Square.	Lateral	Yes		38	No			Yes		N	N	Not affected. Tunnel deoth and size modelled based on WAC information	
	Martin Place				Telstra Tunnel under Castlereagh St between Martin Place Plaza and	Lateral	Yes			NO			Yes		N	N		
	Martin Place	Telstra	TBC	Optic Fibre	Hunter Street. Telstra Tunnel under Castlereach St southbound lanes south of Martin	Longitudinal	Yes		160	No			Yes		N	N	Not affected. Tunnel depth and size modelled based on WAC information Not affected by current station arrangement. May be affected subject to	L
					Place Plaza then west along northern boundary of Martin Place Plaza to												final station access alignment and construction details for access to 33	
	Martin Place	Telstra	TBC	Optic Fibre	Pitt St. Bank of 2 x 3 A100 and 3 x 3 E85 conduits. Main cable/conduit network	Longitudinal	Yes		170	No			Yes	Yes	1	1	Bligh St. Tunnel depth and size modelled based on WAC information.	
					with Vocus, AAPT, Primus and Soul Comms subducts. Under Hunter St													
	Martin Place	Telstra	See comments	Optic Fibre	northern footpath between Chifley Square and Bligh Street.	Lateral			100	No			Yes		N	N	Not likely if no works proposed for Hunter Street northern footpath.	
	Martin Place		4 x A100 conduits	Optic Fibre	1 x 4 bank of conduits configuration. Under Bligh St eastern footpath.	Longitudinal			36	No			Yes				Not affected.	
	Martin Place	Telstra		1	Major cable/conduit network under Hunter St and Bligh St intersection.	Longitudinal			20	No			Yes				Not affected if no works proposed for Castlereagh St and Hunter St intersection and south-eastern corner of the intersection and footpath.	
	Martin Place		2 x P100 conduito	Ontic Fibro	major cabicroshdult network under nunter ot and brigh St Intersection.	Longitudinai									1		Not affected if no works proposed for Castlereagh St and Hunter St	
	Martin Place Martin Place	Telstra	2 x P100 conduits	Optic Fibre					20	No			Yes				intersection and south-eastern corner of the intersection and footpath.	
	Martin Place		2 x P100 conduits 3 x G80 conduits	Optic Fibre Optic Fibre		Longitudinal			20	140							Not affected if no works proposed for Hunter Street northern footpath. Pit	
	Martin Place Martin Place Martin Place	Telstra Telstra	3 x G80 conduits	Optic Fibre	Large pit structure at north-western corner of Chifley Square and Hunter St with numerous breakouts and major cables/conduit network. Actual size													
	Martin Place Martin Place	Telstra			Large pit structure at north-western corner of Chifley Square and Hunter					No			Yes				structure with numerous breakouts with major cables through it.	
	Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra	3 x G80 conduits TBC	Optic Fibre Pit	Large pit structure at north-western corner of Chilley Square and Hunter St with numerous breakouts and major cables/conduit network. Actual size to be confirmed. Vacant conduit under southern footpath in Hunter St east of intersection	Longitudinal				No							structure with numerous breakouts with major cables through it. Not affected if no works proposed for footpath. In southern footpath of Hunter Street adjacent to building to be demolished for cut and cover	
	Martin Place Martin Place Martin Place	Telstra Telstra	3 x G80 conduits	Optic Fibre	Large pt structure at north-western corner of Chilley Square and Hunter St with numerous breakouts and major cables/conduit network. Actual size to be confirmed. Vacant conduit under southern footpath in Hunter St east of Intersection with Castereagn St. Part single Pt00 and part 2 x P100 conduits to building at 55 Hunter Street	Longitudinal			23				Yes Yes				structure with numerous breakouts with major cables through it. Not affected if no works proposed for footpath. In southern footpath of	
	Martin Place Martin Place Martin Place Martin Place Martin Place	Teistra Teistra Teistra Teistra	.3 x G80 conduits TBC P100 conduit	Optic Fibre Pit See comments	Large p1 structure at north-vestern corner of Chfley Square and Hunter St with numerous breakouts and major cables/conduit network. Actual size to be confirmed. Vacant conduit under southern tootpath in Hunter St east of Intersection with Castlereagh St. 2 P100 conduits to building at 55 Hunte Street Part single P100 and part 2 P100 conduits to building at 55 Hunte Street Including communication tower (810). Vocus cables and solduct through	Longitudinal			23	No	_		Yes				structure with numerous breakouts with major cables through it. Not affected if no works proposed for footpath. In southern footpath of Hunter Street adjacent to building to be demolished for cut and cover access.	Line to be disconnected and communications tower to be reloc
	Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra	3 x G80 conduits TBC	Optic Fibre Pit	Large pt structure at north-western corner of Chilley Square and Hunter St with numerous breakouts and major cables/conduit network. Actual size to be confirmed. Vacant conduit under southern footpath in Hunter St east of Intersection with Castereagn St. Part single Pt00 and part 2 x P100 conduits to building at 55 Hunter Street	Longitudinal	Yes	Demolition		No	Remove				1		structure with numerous breakouts with major cables through it. Not affected in ownos proposed for cottant. In southern toopath of Hunter Street adjacent to building to be demolished for cut and cover access. Affected as it passes through building to be demolished.	Line to be disconnected and communications tower to be relo- relocation to be confirmed by Teilstra.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments	Optic Fibre Pit See comments Optic Fibre	Large pt structure at north-vestern corner of Chifley Square and Hutter St with numerous breakouts and major cables/conduin retwork. Actual size to be confirmed. Vacant conduit under southern bootpath in Hunter St east of intersection with Castlereagh St. Part angle P100 and part 2 x P100 conduits to building at 55 Hunter Street Hand angle P100 and part 2 x P100 conduits to building at 55 Hutter Street Part angle P100 and part 2 x P100 conduits to building at 55 Hutter Street Part angle P100 and part 2 x P100 conduits to building at 56 Hutter Street Hand cableconduit network under Castlereagh St eastern bootpath south of Hutter St to a phatway baleven and hutter St and Hosbay parts parts and south south souther castlereagh St eastern bootpath south	Longitudinal Lateral Lateral	Yes		23	No No Yes			Yes			1	structure with numerous breakouts with major cables through it. Not affected in rowsks proposed for cottam. In southerm toopath of Hunter Street adjacent to building to be demolished br cut and cover access. Affected as it passes through building to be demolished. Affected. In eastern footpath of Castlereagh Street adjacent to building to	Line to be disconnected and communications tower to be reloc relocation to be confirmed by Teistra. Will need to be lowered or protected subject to proposed deut temporary construction entry location of Castlereagi Street to
	Martin Place Martin Place Martin Place Martin Place Martin Place	Teistra Teistra Teistra Teistra	.3 x G80 conduits TBC P100 conduit	Optic Fibre Pit See comments	Large p1 structure at north-vestern corner of Chfley Square and Hunter St with numerous breakouts and major cables/conful network. Actual size to be confirmed. Vacant conduit under southern tootpath in Hunter St east of intersection with Castlereagh St. Part single P100 and part 2 xP100 conduits to building at 55 Hunter Stree Including communication tower (8101). Vocus cables and subduct through Teitht ducts. Major cableconduit network under Castlereagh St eastern footpath south	Longitudinal Lateral Lateral	Yes	Demolition	23	No	Remove Adjust		Yes		1	1	structure with numerous breakouts with major cables through it. Not affected in rowsh proposed for cottant. In southerm toopath of Hunter Street adjacent to building to be demolished br cut and cover access. Affected as it passes through building to be demolished. Affected in eastern footpath of Castleneigh Street adjacent to building to be demolished, 55 Hunter St.	Line to be disconnected and communications tower to be reloc relocation to be continent by Treatm. Will need to be lowered or protected subject to proposed data therpropary contraction entry location of Casaferagh Street for with minimum cover requirements.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments	Optic Fibre Pit See comments Optic Fibre	Large pt structure at north-western corner of Chiffley Square and Hutter St with numerous breakouts and major cablesicondul network. Actual size to be continmed. Vecanat conduct under southern toopath in Hunter St east of intersection anti-Castineraph St. Phar single PHOP and part 2 x PHO conduits to building at St. Shurter Street Including communication tower (8101). Vocus cables and studuct through Tetatra ducks. Major cable/conduit network under Castlereagh St eastern toopath south of hunter St to a phatosy between thirter St and Hosting Jacob and Large at 3 bank of conduits configuration with Sulf Comme and Vocus subducts. St and thosting and to a bailting to the inversible That at the investige That and St and thosting and to a bailting to the inversible That at the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the investige That and the	Longitudinal Lateral Lateral	Yes		23	No No Yes			Yes		1	1	structure with numerous breakouts with major catales through it. Not affected in ownsk proposed for cottpath. In southerm toopath of Hunter Street adjacent to building to be demolished for cut and cover access. Affected as it passes through building to be demolished. Affected in eastern footpath of Castlereagh Street adjacent to building to be demolished. 55 Hunter SL.	Line to be disconnected and communications tower to be reformation to be confirmed by Teitria. Will need to be towered or protected subject to proposed deta temporary construction entry location of Classferagh Street to with minimum cover requirements.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments	Optic Fibre Pit See comments Optic Fibre	Large pt structure at north-vestern corner of Chiffley Square and Hutter St with numerous breakouts and major cables/conduit network. Actual size to be confirmed. Vacant conduit under southern tootpath in Hurter St east of intersection with Castlereagh St. Hart angle P100 and part 2 x P100 conduits to building at 55 Hurter Street Including communication tower (SIN). Vocus cables and subduct through Feism ducts. Inder the strength of the strength of the strength of the strength of hurter St to and interfact under Castlereagh St eastern footpath south of hurter St to and anter the strength of the strength of the strength of the Under Castlereagh St eastern footpath from a ph halway between hutter St and Hoakins picace to a building to be demolitated. Part angle P100 and r2 x P100 conduits Including an extrange (B4- Teithange (B4- Teitha	Longitudinal Lateral Lateral	Yes		23	No No Yes			Yes		1	1	structure with numerous breakouts with major cables through it. Not affected in rowsh proposed for cottant. In southerm toopath of Hunter Street adjacent to building to be demolished br cut and cover access. Affected as it passes through building to be demolished. Affected in eastern footpath of Castleneigh Street adjacent to building to be demolished, 55 Hunter St.	Line to be disconnected and communications tower to be reloc relocation to be confirmed by Teitria. Will need to be lowered or protected subject to proposed deta temporary construction entry location of Castereagh Street to with minimum cover requirements.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments 6 x E85 conduits	Optic Fibre Pit See comments Optic Fibre Optic Fibre	Large pt structure at north-vestern corner of ChRMP Square and Hutter St with numerous breakouts and major cablesicondul network. Actual size to be continued. Vacant conduct under southern bolpath in Hutter S1 teas of intersection with Castarreagh S1. Phar single PD0 and part 2 x P100 conduits to building at 65 Hutter Street Including communication tower (8101). Vocus cables and subduct through Part single PD0 and part 2 x P100 conduits to building at 65 Hutter Street Including communication tower (8101). Vocus cables and subduct through of hutter S1 to a pt harlway between Hutter S1 and Hookins pace in a 2 x 3 bank of conducts condiguation with S0x Comma and Vocus subducts. Under Castlereagh S1 eastern tootpath from a pt harlway between Hutter S1 and Hookins (P100 and part 2 x P100 conduits induging an echange (664 - Testis CMTS ste). AMT and Vocus cables on subducts	Longitudinal		TSE	23 48 58	No No Yes Yes	Adjust		Yes Yes Yes			1	structure with numerous breakouts with major cables through it. Not affected in novais proposed for cottant. In southerm tooplant of Hunter Street adjacent to building to be demolished for cut and cover access. Affected as it passes through building to be demolished. Affected. In eastern foolpath of Castlereagh Street adjacent to building to be demolished, 55 Hunter St. Affected. In eastern foolpath of Castlereagh Street adjacent to building to be demolished. To fastlereagh Street adjacent to building to be demolished, 16 eastern foolpath of Castlereagh Street adjacent to building to be demolished. To fastlereagh Street adjacent to building to Street adjacent to fastlere the babuliding to be demolished. Testin CMTS site, to be disconnected.	Line to be disconnected and communications tower to be relo- relocation to be confirmed by Telstra. Will need to be beneed or protected subject to proposed deta temporary construction entry location of Castlereagh Street to with minimum cover requirements. Exchange to be relocated to be confirmed by Telstra.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments 6 x E85 conduits	Optic Fibre Pit See comments Optic Fibre Optic Fibre	Large pt structure at north-vestern corner of ChRMP Square and Hutter St with numerous breakouts and major cablescondul network. Actual size to be continued. Weard conductured southern bogash in Huster St east of Intersection with Castlorragh St. Phar single PD0 and part 2 x P100 conduits to building at 55 Hutter Street including communication tower (8101). Vicus cables and subduct through Major cablescond in Hawking between Hutter Street including communication tower (8101). Vicus cables and subduct through Major cablescond in Hawking between Hutter Street 3 bank of conducts configuration with Stoc Comma and Vocan subducts. Under Castlerengh St eastern Koopath from a pt halway between Hutter St and Hokking base to a building to be demolished. Part angle P100 and part 2 x P100 conduits including an exchange (664 - Telafit CMTS ste). Stopher 1010 conduit with Vicus subduct in western forolget hof Statures Stoudh of Intersection with Hutter Statures in Statures (Figure 2016) Stoudh of Intersection with Hutter Statures and adapted to Statures (Statures) Stoudh of Intersection with Hutter Statures and adapted to Statures (Statures).	Longitudinal		TSE	23 48 58	No No Yes Yes	Adjust		Yes Yes Yes			1	structure with numerous breakouts with major cables through it. Not affected in works proposed for cottant. In southerm tooplant of Hunter Street adjacent to building to be demolished for cut and cover access. Affected as it passes through building to be demolished. Affected in eastern foropath of Castlereagh Street adjacent to building to be demolished, 55 Hunter St. Affected, in eastern foropath of Castlereagh Street adjacent to building to be demolished, for a for a for Castlereagh Street adjacent to building to be demolished, for a for active for the building to the demolished. Testing and the demolished and to factoreage Street adjacent to building to	Line to be disconnected and communications tower to be reloc relocation to be confirmed by Telstia. Will need to be beneed or protected subject to proposed detail temporary construction entry location of Castleneagh Street to with minimum cover requirements. Exchange to be relocated, to be confirmed by Telstra.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments 6 x E85 conduits See comments	Optic Fibre Pit See comments Optic Fibre Optic Fibre	Leige pit structure at north-vestern corner of Chiffley Square and Hutter St with numerous breakouts and major cables/conduit network. Actual size to be confirmed. Viscant conduit under southern botpath in Hunter St east of intersection fifth single/pitch southern botpath in Hunter St east of intersection fifth single/pitch southern botpath in Hunter St east of solar southern southern southern to the southern southern southern of hutters St. The pitch southern botpath south (Fifth single/pitch) southern southern southern southern of hutters St. 10 and there there is and Hostian place in a 2 x 3 bank of conduits configuration with Sout Comma and Vocus subduct holder castlereage. Steatem toopshirms (Bit A Tristiang (Bit A Tristiang (Bit A Tristiang (Bit A Tristiang (Bit A Tristiang)) AAPT and Vocus cables and subduct through Tetra ducts. AAPT and Vocus cables and subduct through Tetra ducts. Single P100 conduits hultivon as auticuits in western fordation for Single P100 conduits of the south south of meta- St and release to a building to be demolitated to Sithurier St. AAPT and Vocus cables and subduct through Tetra ducts. Single P100 conduits hultivons as subduct through Tetra ducts. Pitra single P100 conduits with there sate sither conduits with there as a structure of and pitra 2 key 100 conduits with there or satellereage.	Longitudinal Lateral Longitudinal		TSE Demolition	23 48 58 37	No No Yes Yes	Adjust Adjust		Yes Yes Yes Yes		1 1	1	structure with numerous breakouts with major callest through it. Not affected in works proposed for cottam. In southerm toogtah of Hunter Street adjacent to building to be demolished br cut and cover access. Affected as it passes through building to be demolished. Affected, in eastern footpath of Castlenegh Street adjacent to building to be demolished. 55 Hunter St. Affected in eastern footpath of Castlenegh Street adjacent to building to be demolished. For this shoulding to be demolished. Testin CMTS site, to be disconnected. Affected in eastern footpath of Elizabeth Street adjacent to	Line to be disconnected and communications tower to be reloc relocation to be confirmed by Teitra. Will need to be lowered or protected subject to proposed detail temporary construction enny location of Castleneagh Street to with minimum cover requirements. Exchange to be relocated, to be confirmed by Teitra. Will need to be lowered or protected subject to proposed detail temporary construction end location or Elabert Street to Elabert Street to be
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments 6 x E85 conduits See comments	Optic Fibre Pit See comments Optic Fibre Optic Fibre	Large pt structure at north-vestern corner of ChRMP Square and Hutter St with numerous breakouts and major cablescondul network. Actual size to be continued. Weard conductured southern bogash in Huster St east of Intersection with Castlorragh St. Phar single PD0 and part 2 x P100 conduits to building at 55 Hutter Street including communication tower (8101). Vicus cables and subduct through Major cablescond in Hawking between Hutter Street including communication tower (8101). Vicus cables and subduct through Major cablescond in Hawking between Hutter Street 3 bank of conducts configuration with Stoc Comma and Vocan subducts. Under Castlerengh St eastern Koopath from a pt halway between Hutter St and Hokking base to a building to be demolished. Part angle P100 and part 2 x P100 conduits including an exchange (664 - Telafit CMTS ste). Stopher 1010 conduit with Vicus subduct in western forolget hof Statures Stoudh of Intersection with Hutter Statures in Statures (Figure 2016) Stoudh of Intersection with Hutter Statures and adapted to Statures (Statures) Stoudh of Intersection with Hutter Statures and adapted to Statures (Statures).	Longitudinal Lateral Longitudinal		TSE Demolition	23 48 58 37	No No Yes Yes	Adjust Adjust		Yes Yes Yes Yes		1 1	1	structure with numerous breakouts with major callest through it. Not affected in ownsk proposed for outgam. In southerm toogam of Hunter Street adjacent to building to be demolished for cut and cover access. Affected as it passes through building to be demolished. Affected in eastern footpath of Castlereagh Street adjacent to building to be demolished. 55 Hunter St. Affected in eastern footpath of Castlereagh Street adjacent to building to be demolished. For a souther to building to be demolished. Testin CMTS site, to be demonsible. The statement of Elizabeth Street adjacent to building to be demolished, 55 Hunter St.	Line to be disconnected and communications tower to be reloc relocation to be confirmed by Teitria. Will need to be lowered or protected subject to proposed detail temporary construction entry location of Castereagn Street to with minimum cover requirements. Exchange to be relocated, to be confirmed by Teitsra. Will need to be lowered or protected subject to proposed detail temporary construction entil location cento Elizabeth Street to co minimum cover requirements.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments 6 x E85 conduits See comments	Optic Fibre Pit See comments Optic Fibre Optic Fibre	Leige pit structure at north-western corner of Chiffley Square and Hutter St with numerous breakouts and major cablescondul network. Actual size to be continmed. Weard conduct under sorthwm toopath in Hunter St east of intersection with Casternergh St. Part single PHOG conduits to building at St. PHOE Shutter Street Including communication tower (B101). Vocus cables and subduct through Tettra ducts. Major cablecondul network under Castlereagh St eastern toopath south (Charler St. St. St. Parkawy, Evelower Interest St. and Hoshing Jack en a. 2 x 3 bank of conduit exofiguration with Skull Comme and Vocus aubducts. Dater Castlereagh St. Seathern toopath from a ph Tailwy belween house part 2.4 PHO conduits including an exhange (B64 Teistra CMTS ste). AAPT and Vocus cables and subduct in western toopath of Lizabeth St eadin of intersection with Hutter St and disacent to 55 Hutter Ste). Fart single PHO conduit with Vocus subducts in western toopath of Lizabeth St eadin of intersection with Hutter St and disacent to 55 Hutter St. Fart single PHO conduit with Wocus subduct in western toopath of Elizabeth St eadin of intersection with Hutter St and disacent to 55 Hutter St. Fart single PHO conduit with Wocus subduct in western toopath of Elizabeth St eadin of intersection with Hutter St and disacendation of Mercure Aber Mark Hutter Name St and disacendored in the Name St. Mercure Fart Single PHO conduit with Neuro subduct in western toopath of Elizabeth St eadin of intersection with Hutter St and disacent to 55 Hutter St.	Longitudinal Lateral Longitudinal		TSE Demolition	23 48 58 37	No No Yes Yes	Adjust Adjust		Yes Yes Yes Yes		1	1	structure with numerous breakouts with major callest through it. Not affected in works proposed for cottam. In southerm toogtah of Hunter Street adjacent to building to be demolished br cut and cover access. Affected as it passes through building to be demolished. Affected, in eastern footpath of Castlenegh Street adjacent to building to be demolished. 55 Hunter St. Affected in eastern footpath of Castlenegh Street adjacent to building to be demolished. For this shoulding to be demolished. Testin CMTS site, to be disconnected. Affected in eastern footpath of Elizabeth Street adjacent to	Line to be disconnected and communications tower to be relocation to be confirmed by Telstra. Will need to be lowered or protected subject to proposed detail temporary construction entry location of Castlereagh Street to with minimum cover requirements. Exchange to be relocated, to be confirmed by Telstra. Will need to be lowered or protected subject to proposed detail temporary construction exit location on to Eitzabeth Street to co- minmum cover requirements.
	Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place Martin Place	Telstra Telstra Telstra Telstra Telstra Telstra Telstra Telstra Telstra	3 x G80 conduits TBC P100 conduit See comments 6 x E85 conduits See comments P100 conduit	Optic Fibre Pit See comments Optic Fibre Optic Fibre Optic Fibre	Large pt structure at north-western corner of ChRMP Square and Hutter St with numerous breakouts and major cablescondul network. Actual size to be continued. Vacant conduct under southern bolgath in Hutter St teast of intersection with Castarreagh St. Phra single PD0 and part 2 x PIO conduits to building at 65 Hutter Street including communication tower (8101). Vocus cables and subduct through Phraining 4200 and part 2 x PIO conduits to building at 65 Hutter Street including communication tower (8101). Vocus cables and subduct through of hutter 51 to a pt Inathway between Hutter 51 to and Hookins piece in a 2 3 bank of conducts condiguration with StouComma and Vocus subducts. Under Castlersagh St eastern Koopath from a pt hallway between Hutter 51 and Hookins piece to a building to be conditished. Part Braining PIO and part 2 x PIO conduits including an exchange (864 - Teatist CuTIS stej). Single PIO0 and part 2 x PIO conduits with Vocus subduct in western Koopath of Elizabeh Steudh of Interesci on with Hutter 51 and adjacent to 56 Hutter 58. Part single PIO0 and part 2 x PIO0 conduits with Notus subduct in western Koopath of Elizabeh Part single PIO0 and part 2 x PIO0 conduit with Notus subduct in western Koopath of Elizabeh Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0 conduits with Anney Cherner St. Part single PIO0 and part 2 x PIO0	Longitudinal Lateral Lateral Longitudinal Longitudinal Longitudinal Longitudinal Lateral Lateral		TSE Demolition	23 48 58 37	No No Yes Yes	Adjust Adjust		Yes Yes Yes Yes Yes		1	1	structure with numerous breakouts with major cables through it. Not affected in works proposed for cottam. In southerm toopath of Hunter Street adjacent to building to be demolished br cut and cover access. Affected as it passes through building to be demolished. Affected, in eastern hotpath of Castlereagh Street adjacent to building to be demolished, 55 Hunter St. Affected, in eastern hotpath of Castlereagh Street adjacent to building to be demolished, 55 Hunter St. Affected, in eastern hotpath of Castlereagh Street adjacent to building to be demolished. Telstreet discont cottage Affected as the advaction of Elizabeth Street adjacent to building to affected. In western hotpath of Elizabeth Street adjacent to building to affected. In western hotpath of Elizabeth Street adjacent to building to	Line to be disconnected and communications tower to be relocate relocation to be confirmed by Telstra. Will need to be lowered or protected subject to proposed details temporary construction entry location of Castereagh Street to with minimum cover requirements. Exchange to be nelocated, to be confirmed by Telstra. Will need to be lowered or protected subject to proposed details temporary construction and location not Elizabeth Street to com- minmum cover requirements.

Sydney Rapid Transit – UTILITIES MAPPING - 5		ý								GIS	S colour coding							
	st	denham Station								affe	cted - removed							
Printed date:		Count								iden	ntified - no works							
Revision:		208								desi	ign or adjusted							
Sydney Metro	Station	Utility Owner	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Lateral or NSW &/or SWC Significa	nt Contract:	Identifi	ified Utility a	affected F	Protect/ Adjust/	Sydney Metro	Sydney Metro	Sydney Metro	MAJOR risk	MAJOR risk	Additional information	Scope of adjustment Works
Identification Number (ID)					(i.e. UG or OH, tunnel etc.)	Longitudinal Heritage item Utility -	Y Demolition/ Early Works/ TSE/ CentralStn	Length	h (m) (Yi	(/N) F	Remove - Utility	Sth West (V01) · Y	City V09 (incl. Waterloo) - Y	future Versions	item TIME I=impacted, N=noted	item COST I=impacted, N=noted		
					Major cable/conduit network under Castlereagh St near 10 Castlereagh St in a 1 x 2 and 2 x 2 A100 conduits configuration with Uecomm and AAPT												Not affected if Castlereagh St and footpath left undisturbed. Service to	
TE2000	Martin Place	Telstra	See comments	Optic Fibre	sub-ducts.	Lateral		19		No			Yes				existing building/shops. Not affected if Castlereagh St and footpath left undisturbed. Service to	
TE2100	Martin Place	Telstra	P100 conduit	Optic Fibre	Under Castlereagh St adjacent to TE2000. major cable/conduit network.			27		No			Yes				existing building/shops. Not affected if Castlereagh St and footpath left undisturbed. Service to	
TE2200	Martin Place	Telstra	P35 conduit	TBC	Under Castlereagh St eastern footpath adjacent to 10-12 Castlereagh St. Under Castlereagh St eastern footpath from north of Macquarie Bank Building to south of Martin Place Plaza. Major cable/conduit network in a 2	Longitudinal		11	1 N	No			Yes				existing building/shops.	
TE2300	Martin Place	Telstra	6 x E85 conduits	Optic Fibre	Building to south of Martin Place Plaza. Major cable/conduit network in a 2 x 3 bank of conduits configuration with Uecomm, Vocus and AAPT sub- ducts.	Longitudinal		82	2 1	No			Yes		N	N	Not affected. Assumed asset is not too deep that may clash with the station's most southern end where it passes over proposed passage way. Death to be confirmed.	
TE2400	Martin Place	Telstra	P50 conduit	Optic Fibre	Service to 12 Castlereagh St.	Longitudinal		14		No			Yes				Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2500	Martin Place	Telstra	See comments	Optic Fibre	1 x P100, 1 x 2 P100, and 1 x 4 P100 conduits configuration. Line to an exchange (B2 RM1-SE1202) at 12 Castlereagh St.	Lateral		23	3 N	No			Yes				Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2600	Martin Place	Telstra	See comments	Optic Fibre	1 x 4 P100 and 1 x 4 A100 conduits configuration including AAPT and Vocus sub-ducts. Service to Macquarie Bank building.	Lateral		47	7 N	No			Yes				Not affected. Passing through a building to remain.	
					Under Elizabeth St western footpath between north-eastern to south- eastern corner of Macquarie Bank building. Major cable/conduit network in													
TE2700	Martin Place	Telstra	4 x P100 conduits	Optic Fibre	Under Elizabeth St western footnath adjacent to TE2700. Conduit size and	Longitudinal		61		No			Yes				Not affected. In Elizabeth St footpath along building to remain	
TE2800	Martin Place	Telstra	See comments	TBC	cable type to be confirmed as not shown on Telstra drawings. Through northern side of Martin Place Plaza between Castlereagh St and Elizabeth St comprising of a major cable/conduit network in a 2 x 2 bank of	Longitudinal		33	3 N	No			Yes				Not affected. In Elizabeth St footpath along building to remain	Will need to be relocated/diverted outside the area of works. For proposed
TE2900	Martin Place	Telstra	4 x P100 conduits	Optic Fibre		Lateral	TSE	69	9 Y	/es	Adjust		Yes				Affected by proposed works for Martin Place Plaza.	Will need to be relocated/diverted outside the area of works. For propose diversion route refer to rote marked up as TE2900_d.
TE3000	Martin Place	Telstra	See comments	Optic Fibre	Line to a Telstra CMTS site at Macquarie Bank building. Around north-eastern corner of Castlereagh St and Martin Plaza Plaza	Lateral Yes			N	No			Yes		N	N	Not affected if Castlereagh St and footpath left undisturbed.	
TE3100	Martin Place	Telstra	P100 conduit	TBC	Intersection. Through northern side of Martin Place Plaza between Castlereagh St and	Longitudinal		22	2 N	No			Yes				Not affected.	
					Elizabeth St and under Castlereagh St comprising of a major cable/conduit network in a 1 x 6 bank of conduits configuration with Vocus, AAPT,				_									Will need to be relocated/diverted outside the area of works. For proposed
TE3200 TE3300	Martin Place	Telstra Telstra	6 x G85 conduits See comments	Optic Fibre Optic Fibre	Uecomm and Primus sub-ducts. Comms pillar at north-eastern corner of Castlereagh St and Martin Plaza Plaza Intersection.	Lateral Yes	TSE	67		/es	Adjust		Yes Yes		1		Affected by proposed works for Martin Place Plaza. Not affected. Assumed pillar outside the skope of works area.	diversion route refer to rote marked up as TE3200_d.
123300	Marun Place	Teistia	See comments	Optic Fibre	Under Elizabeth St western footpath comprising of major cable/conduit network in a 2 x 3 bank of conduits configuration with AAPT, Vocus and	Lateral				NO			tes				Not an ected. Assumed philar dutside the skope of works area. May be affected in part where in western footpath of Elizabeth Street adjacent to building to be demolished, 37-51 Miller St. Depth to be	Will need to be lowered or protected subject to proposed details for temporary construction exit location onto Elizabeth Street to comply with
TE3400	Martin Place	Telstra	6 x P100 conduits	Optic Fibre	Uecomm sub-ducts. Through southern side of Martin Place Plaza between Castlereagh St and	Longitudinal	TSE	80	0 Y	/es	Adjust		Yes				confirmed.	minimum cover requirements.
					Elizabeth St and under Castlereagh St comprising of a major cable/conduit network in a 1 x 4 bank of conduits configuration with Vocus and Nextgen													Will need to be protected and worked around, including pits, during the temporary partial occupation of Martin Place Plaza between Castlereagh
TE3500 TE3510	Martin Place Martin Place	Telstra Telstra	4 x P100 conduits 2 x P100 conduits	Optic Fibre TBC	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit	Lateral	TSE	64		/es /es	Protect		Yes				Affected by proposed works for Martin Place Plaza.	St and Elizabeth St. Service line to be disconnected and removed.
TE3520	Martin Place	Telstra	2 x P100 conduits 2 x P50 conduits	TBC	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit	Lateral	Demolition	25		res (es	Remove		Yes				Affected. Service line to building to be demolished.	Service line to be disconnected and removed. Service line to be disconnected and removed.
TE3530	Martin Place	Telstra	4 x P100 conduits		Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.	Lateral	Demolition	16	6 Y		Remove		Yes				Affected. Service line to building to be demolished.	Service line to be disconnected and removed.
					Optus owned underground cable and conduit eastern footpath of Bligh St north of intersection with Hunter St and under intersection of Bligh St and Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be												Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential	
OP0010	Martin Place	Optus	TBC	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under	Longitudinal		55	5 N	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St.	
000015	Martin Diana	Columna (Columna)	TBC	Onlin Filter	Hunter St eastbound traffic lanes between Bligh St and Chifley Square. Marked location is approximate as sketched up from information obtained from DPU and the linearcelife st the standard standard			70		No			Yes				Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential for the light 0.0 Pillot for extential extense of (CO area).	
OP0015	Martin Place	Optus	TBC	Optic Fibre	from DBYD and the alignment/location to be confirmed. Optus owned underground cable and conduit under Hunter St eastbound traffic lanes between Bilgh St and Chifley Square and through Ausgrid	Lateral		70	0 1	IND			Tes				future link to 33 Bligh St for potential entrance off O'Connell St.	
OP0020	Martin Place	Optus	TBC	Optic Fibre	conduits under Hunter St and Bligh St intersection. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	l ateral		105	15 N	No			Yes				Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
					Optus owned underground cable through Ausgrid owned conduit under eastern footpath of Bligh St north of intersection with Hunter St. Marked			.05	"								Not affected by current station arrangement. Will be affected if cut and	
OP0025	Martin Place	Optus	TBC	Optic Fibre	location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Lateral		42	2 N	No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
					Optus owned underground cable through Ausgrid owned conduit under Hunter St westbound traffic lanes between Bligh St and Chilley Square.												Not affected by current station arrangement. Will be affected if cut and	
OP0030	Martin Place	Optus	TBC	Optic Fibre	Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Telstra owned conduit under	Lateral		73	3 N	No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
					northern pedestrian crossing of Chilley Square and Hunter St intersection. Marked location is approximate as sketched up from information obtained													
OP0040	Martin Place	Optus	TBC	Optic Fibre	from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	Lateral		22	2 N	No			Yes				Not affected.	
000050	Martin Diana	0.1.1	700	Only File	Hunter St and Elizabeth St intersection and south under Elizabeth St. Marked location is approximate as sketched up from information obtained													
OP0050	Martin Place	Optus	TBC	Optic Fibre		Longitudinal		62	2 N	No			Yes				Not affected.	
					Optus/Uecomm owned underground cable through Telstra owned conduit under western footpath of Castlereagh St south of intersection with Hunter St heading north under Bligh St/Hunter St/Castlereagh St intersection. Marked location is approximate as sketched up from information obtained												Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
OP0060	Martin Place	Optus	TBC	Optic Fibre	from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under Castlereach St to intersection with Hunter St. Marked location is	Longitudinal		88	8 N	No			Yes				future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and	
OP0070	Martin Place	Optus	TBC	Optic Fibre	approximate as sketched up from information obtained from DBYD and the	Longitudinal		60	0 1	No			Yes				Not an eccel by content station antangement. Will be antected in cut and cover execution at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
					Optus owned underground cable through Ausgrid owned conduit under													Section of cables and conduits will need to be protected or lowered where they pass under the proposed site entry off Castlereagh St for building
					Castlereagh St eastern footpath to intersection with Hunter St. Marked location is approximate as sketched up from information obtained from												Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished, 55 Hunter St, including service	demolition and cut and cover works, refer scope of works for Ausgrid asse identified under AG0400. Service connections to disconnected and
OP0080	Martin Place	Optus	TBC	Optic Fibre	DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	Longitudinal	TSE	90	0 Y	/es	Adjust		Yes				connections to buildings to be demolished.	removed.
OP0090	Martin Place	Optus	TBC	Optic Fibre	Bligh St south of intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Lateral		35	<u>.</u>	No			Yes				Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
OP0090 OP0100	Martin Place Martin Place	Optus	Optus Tower	See comments	Optus owned communications tower at 5 Elizabeth Street.	Other Yes	Demolition	35	- N	/es	Remove		Yes		1	1	Affected by proposed building demolition.	Communications tower to be relocated.

ydney Rapid Transit – TILITIES MAPPING		Columbum Chatian								GIS colour coding	3.					
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ision:		208								design or adjusted						
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Sydney Metro lentification Number (ID)	Station	Utility Owner	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Lateral or Longitudinal Heritage item Utility - Y	Contract: Demolition/ Early Works/ TSF/	Identified Length (m)	Utility affected (Y/N)	Protect/ Adjust/ Remove - Utility	Sydney Metro Sth West (V01) - City V09 (incl. Y Waterloo) - Y	Sydney Metro future Versions	MAJOR risk item TIME I=impacted, N=noted	MAJOR risk Additional informatic item COST I=Impacted, Nanoted	'n	Scope of adjustment Works
					Optus owned underground cable part through Ausgrid owned and part through Telstra owned conduits under Bligh St western footpath and		CentralStn									
110	Martin Place	Optus	TBC	Optic Fibre	intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Lateral		68	No		Yes			Not affected by current station arrangement. V cover excavation at corner of Hunter and Bligh future link to 33 Bligh St for potential entrance	St is adopted for potential	
					Optus owned underground cable through Ausgrid owned conduit under Elizabeth St western footpath heading south to Ausgrid pit under Elizabeth St at Martin Place Plaza. Marked location is approximate as sketched up											
120	Martin Place	Optus	TBC	Optic Fibre	from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	Longitudinal		78	No		Yes			Not affected.		Section of cables and conduits will need to be protected or lowered
130	Martin Place	Optus	TBC	Optic Fibre	Castlereagh St eastern footpath from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Longitudinal	TSE	94	Yes	Adjust	Yes			Affected in part. Through eastern footpath in C adjacent to building to be demolished.	astlereagh Street and	they pass under the proposed site entry off Castlereagh St for built demolition and cut and cover works, refer scope of works for Ausgr identified under AG0400. Will need to be relocated due to the temporary partial occupation of
					Optus owned underground cable through Ausgrid owned conduit under Martin Place Plaza between Castlereagh St and Elizabeth St. Marked location is approximate as sketched up from information obtained from											Place Plaza between Castlereagh St and Elizabeth St. To follow dh route for Ausgrid asset identified under AG0700. Optus will need to advised of the proposed relocation to arrange for their programming
140	Martin Place	Optus	TBC	Optic Fibre	DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under Martin Place Plaza between Castlereagh St and Elizabeth St. Marked	Lateral	TSE	70	Yes	Adjust	Yes			Affected by proposed works for Martin Place P	828.	works. Will need to be protected and worked around during the temporary
1150	Martin Place	Optus	TBC	Optic Fibre	location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under Fluetbeth Counterfactor that for a fluetbeth for a better better and the fluetbetter and the	Lateral	TSE	65	Yes	Protect	Yes			Affected by proposed works for Martin Place P	laza.	occupation of Martin Place Plaza between Castlereagh St and Eliza St, refer scope of works for Ausgrid asset identified under AG0800.
0160	Martin Place	Optus	TBC	Optic Fibre	Elizabeth St western footpath from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	Longitudinal		62	No		Yes			Not affected.		
0170	Martin Place	Optus	TBC	Optic Fibre	Elizabeth St from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Longitudinal	TSE	62	Yes	Adjust	Yes			to building to be demolished		Section of cables and conduits will need to be protected or lowered they pass under the proposed site exit onto Elizabeth St, refer scope works for Ausgrid asset identified under AG0920.
			TBC	Optic Fibre	AARNet owned cables through Telstra Tunnel, TE0100. Under Elizabeth Street eastern footpath, then west under Hunter St, and north under Bligh			365				Yes		Not affected by current station arrangement. M affected subject to final station access alignme for access to 33 Bligh St. Tunnel depth and siz	nt and construction details	
0010	Martin Place	Other Comms	TBC	Optic Fibre	AARNet owned cables through Telstra owned ducts. Under Castlereag Street eastern footpath south of Martin Place Plaza. Service line to building next to 37-51 Martin Place	Longitudinal		365	No		Yes	Yes	<u> </u>	I information.		
					Amcom owned cables through Telstra Tunnel, TE0150 and TE0200. Under Castlereagh Street eastern footpath upto Martin Place Plaza then under Castlereagh Street western footpath to Hunter Street, and north under									Not affected by current station arrangement. M affected subject to final station access alignme for access to 33 Bligh St. Tunnel depth and siz	ent and construction details	
1020	Martin Place	Other Comms	TBC	Optic Fibre	Bligh Street. NBNCo owned cables under Elizabeth Street eastern footpath then west under Hunter Street. To be confirmed if through Telstra ducts or tunnel. Alionment is indicative only as sketched up based on DBYD received	Longitudinal		295	No		Yes	Yes	1	I information. Not affected by current station arrangement. M final station access alignment and construction	lay be affected subject to	
1025	Martin Place	Other Comms	TBC	Optic Fibre	drawings and it is to be confirmed. Vocus owned cables through Telstra Tunnel, TE0150. Under Castlereagh			340	No		Yes	Yes	<u> </u>	I Bligh St. Tunnel depth and size modelled base		
030	Martin Place Martin Place	Other Comms Other Comms	TBC TBC	Optic Fibre Optic Fibre	Street western footpath, then west under Hunter St. Vocus owned cables through Telstra Tunnel, TE0150. Under Castlereagh Street western footpath between Martin Place Plaza and Hoskins Place. NextGen owned cables through Telstra Tunnel, TE0150 and TE0200.	Longitudinal		67	No		Yes			Not affected. Not affected. Not affected by current station arrangement. M	au be offected if TE0150 is	
040	Martin Place	Other Comms	TBC	Optic Fibre	Through Martin Place Plaza west of Castlereagh Street, then north under Castlereagh Street western footpath to Hunter Street, and north under Bligh Street.	Longitudinal		250	No		Yes	Yes		for access to 33 Bligh St. Tunnel depth and siz information.	ent and construction details	
					Primus Telecom owned cables through Telstra ducts, TE0600. Under Hunter Street northern footpath between Elizabeth Street and Castlereagh					******				Not affected by current station arrangement. M affected subject to final station access alignme for access to 33 Bligh St. Tunnel depth and siz	int and construction details	
1042	Martin Place	Other Comms	TBC	Optic Fibre	Street, then north under Bligh Street. Primus Telecom owned cables through Telstra Tunnel, TE0150 and TE0200. Under Castlereagh Street western footpath between Martin Place			120	No		Yes	Yes	1	I information.		
046	Martin Place Martin Place	Other Comms Other Comms	TBC	Optic Fibre Optic Fibre	Plaza and Hunter Street. Primus Telecom owned cables through Telstra Tunnel, TE0200. Under Castlereagh Street eastern footpath.	Longitudinal		100	No		Yes			Not affected.		
1050			TBC		Soul communications owned cable through Telstra duct, TE1400, in western footpath in Bligh St, under Bligh St and Hunter St intersection and service line to 55 Hunter St.									Affected in part due to proposed demolition of	55 Hunter St. TBC how	Service to building to be demolished will need to be disconnected removed. Section under footpath adjacent to excavation site may affected by the site entry access off Castlereagh St and need prote
052	Martin Place	Other Comms	TBC	Optic Fibre	service line to b5 hunter St. Verizon owned cables under Elizabeth Street western footpath then west under Hunter Street. Alignment is indicative only as sketched up based on DBYD received drawings and it is to be confirmed.	Lateral	Demolition	130	Yes	Remove	Yes			Many and what type of cables run through this Affected in part. In western footpath of Elizabe	th Street adjacent to	lowering, refer scope of works for Telstra asset identified under TE Will need to be lowered or protected subject to proposed details fo temporary construction exit location onto Elizabeth Street to compl minimum cover requirements.
)52	Martin Place	Other Comms	TBC	Optic Fibre	Verizon owned cables under Castlereagh Street western footpath to Hunter Street, and north under Bligh Street.	Longitudinal	135	245	No	sujusi	Yes	Yes	I	Not affected by current station arrangement. M final station access alignment and construction Bligh St.	lay be affected subject to	
			******		Verizon duct under Martin Place Plaza between Castlereagh Street and Elizabeth Street adjacent to Macquarie Bank Building. Offset from building and location to be confirmed as only scketched up based on drawing						****			Affected due to the proposed temporary partial	occupation of Martin Place	Will need to be relocated/diverted outside the area of works. For p diversion route refer to rote marked up as OC0056_d. Diversion ro
056	Martin Place	Other Comms	TBC	Optic Fibre	Information from DBYD. Verizon duct under Martin Place Plaza between Castlereagh Street and Elizabeth Street adjacent to 37-51 Martin Place. Offset from building and location to be confirmed as only scketched up based on drawing	Lateral	TSE	66	Yes	Adjust	Yes			between Elizabeth Street and Castlereagh Stre		be confirmed by Verizon. Will need to be protected and worked around during the temporar occupation of Martin Place Plaza between Castlereagh St and Eliz
158	Martin Place	Other Comms	TBC	Optic Fibre	APT owned duct(s) and cable(s) under Castlereagh St eastern footpath adjacent to 55 Hunter St and service line to 55 Hunter St including joint	Lateral	TSE	66	Yes	Protect	Yes			Affected in part due to proposed demolition of	eet for cut and cover works. 55 Hunter St and removal o	St. Service to building to be demolished will need to be disconnected f removed. Section under footpath adjacent to excavation site may
60	Martin Place	Other Comms	TBC	Optic Fibre	" 1806/0497" in substation SUB1664, rack, media convertor, Metro 100 and Rectifier. AAPT cable(s)through Teistra ducts under Castlereagh St eastern fontant a discent in 8-12 Castlereagh St and service line to Castlereagh	Longitudinal	Demolition	12	Yes	Remove	Yes			substation. TBC how many and what type of c conduit.	-	affected by the site entry access off Castlereagh St and need pro lowering to comply with minimum cover requirements. Service to building to be demolished will need to be disconnected
170	Martin Place	Other Comms	TBC	Optic Fibre	footpath adjacent to 8-12 Castlereagh St and service line to Castlereagh St including rack, Metro 100. AAPT owned plt, duct and cable, including joint "j3977", under	Longitudinal	Demolition	48	Yes	Remove	Yes			how many and what type of cables run through	this conduit.	removed.
80	Martin Place	Other Comms	TBC	Optic Fibre	Castlereagh Street eastern comer of intersection with Martin Place Plaza. AAPT cable through non AAPT duct to 39 Martin Place, including joint "J3682 and J3683", under Martin Place Plaza adjacent to 37-51 Martin		Demolition	18	Yes	Adjust	Yes			Affected in part due to the proposed demolition Affected due to the proposed demolition of 37- temporary partial occupation of Martin Place be	51 Martin Place and	Service line to be disconnected and cables removed to AAPT own
100	Martin Place	Other Comms	TBC	Optic Fibre	Place. AAPT cable(s) through non AAPT duct under Elizabeth Street western footoath north of Martin Place Plaza and under Martin Place Plaza.	Lateral	Demolition	40	Yes	Adjust	Yes			Castlereagh Street for cut and cover works. Affected in part due to the proposed temporary Place between Elizabeth Street and Castlerea works	partial occupation of Marti gh Street for cut and cover	Service line to be disconnected and cable removed to Castlereagh Affected length of cables to be removed and terminated outside so works area.
100	Martin Place	Other Comms	TBC	Optic Fibre	AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath south of Martin Place Plaza and under Martin Place Plaza including ioint "1724" in substation SUB 395	Longitudinal	Demolition	60	Yes	Remove	Yes			works. Affected due to the proposed demolition of 37- temporary partial occupation of Martin Place by Castlereadh Street for cut and cover works.	51 Martin Place and etween Elizabeth Street and	
0120	Martin Place	Other Comms	твс	Optic Fibre	AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath south of Martin Place Plaza to 39 Martin Place.	Longitudinal	Demolition	40	Yes	Adjust	Yes			Affected in part due to the proposed demolition	of 37-51 Martin Place.	Affected length of cables be removed and terminated outside scope works area.

Sydney Rapid Transit – JTILITIES MAPPING		ey										GIS colour coding						
JTILITIES MAPPING -: Printed date:	- St	Count										affected - removed identified - no works						
Printed date: Revision:		208										decise or adjusted						
	lookup	lookup						gegtech !			lookup	lookup	lookup lookur					
Sydney Metro	Station	Utility Owner	Size	Туре	Utility information	Lateral or Longitudinal	NSW &/or SWC	Significant	Contract: Demolition/	Identified Length (m)	Utility affected	Protect/ Adjust/ Remove - Utility	Sydney Metro Sydney N	etro Sydney Me	tro MAJOR risk	MAJOR ris	Additional information	Scope of adjustment Works
(ID)	er				(i.e. UG of OH, tunnel etc.)	Longitudinai	Heritage item	Utility - T	Early Works/	Length (m)	(1/N)	Remove - Utility	Y Waterloo	inclfuture - Y Versions	item TIME			
									TSE/ CentralStn		1 1				N=noted	N=noted		
					Part AAPT owned duct and cable under Elizabeth Street western footpath north of intersection with Martin Place Plaza, and part AAPT cable(s)													
					through non AAPT duct under Elizabeth St and Martin Place Plaza													
DC0130	Martin Place	Other Comms	TBC	Optic Fibre	intersection. AAPT cables(s) through non AAPT duct under intersection of Martin Place	Lateral				85	No		Yes			-	Not affected. Affected in part due to the proposed temporary partial occupation of Mart	lin
00140	Martin Place	Other Comms	TBC	Optic Fibre	Plaza with Elizabeth Street and under Martin Place Plaza west of Elizabeth	Lateral			TSE	45	Yes	Adjust	Yes				Place between Elizabeth Street and Castlereagh Street for cut and cover works.	Affected length of be removed and terminated outside scope of works
500140	martin Flace	ould odding	100	opieribie	AAPT cables(s) through non AAPT duct under Castlereagh Street eastern	Laterai			IJL	40	165	Aujusi	165				HUND.	uru.
DC0150	Martin Place	Other Comms	TBC	Optic Fibre	footpath north of Martin Place Plaza and under Martin Place Plaza between Castlereagh St and Elizabeth St adjacent to Macquarie Bank	Lateral				65	No		Yes				Not affected.	
					Steel main, secondary main 1050 kPa. Under Hunter St westbound lanes												Not affected by current station arrangement. Will be affected if cut and	Station arrangement to be confirmed to inform scope of adjustment wo
JE0100	Martin Place	Jemena	100mm	High Pressure	between Pitt St and Castlereagh St.	Lateral		Yes		150	No		Yes	Yes	N	N	future link to 33 Bligh St for potential entrance off O'Connell St.	if needed.
					75mm nylon main inserted into 6 inch cast iron main, network main 7 kPa. Under Castlereagh St northbound lanes from south of Martin Place Plaza													
JE0150	Martin Place	Jemena	75mm NY	Medium Pressure	to intersection with Hunter St. 75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa.	Lateral				225	No		Yes				Not affected.	
					Along northern side of Martin Place Plaza to the west of the intersection													
JE0160	Martin Place	Jemena	75mm NY	Medium Pressure	with Castlereagh St. 75mm nylon main inserted into 6 inch cast iron main, network main 7 kPa.	Other				73	No		Yes				Not affected.	
			75mm NY	Medium Pressure	Along southern side of Martin Place Plaza to the west of the intersection												Not affected.	
JE0170	Martin Place	Jemena	75mm NY	Medium Pressure	with Castlereagh St.	Other				70	No		Yes				Not anected.	Service to building to be disconnected and removed. Gas main under
					Steel main, secondary main 1050 kPa. Under Hunter St westbound lanes and under Elizabeth St including service connection off Elizabeth St to 55													Hunter St not affected by current station arrangement. Will be affected cut and cover excavation at corner of Hunter and Bligh St is adopted for
JE0200	Martin Place	Jemena	100mm	High Pressure	Hunter St.	Lateral		Yes	Demolition	110	Yes	Remove	Yes	Yes	N	N	Affected in part, service to building to be demolished.	potential future link to 33 Bligh St for potential entrance off O'Connell S
					110mm nylon main inserted into 12 inch cast iron main, network main 7 kPa. Under Castlereagh St southbound lanes from intersection with Hunter													
JE0250	Martin Place	Jemena	110mm NY	Low Pressure	St to south of intersection with Martin Place Plaza.	Longitudinal				225	No		Yes				Not affected.	To be disconnected and removed during the proposed cut and cover
																		works for Martin Place Plaza and reinstated at completion of works.
JE0260	Martin Place	Jemena	75mm NY	Low Pressure	Network main 7 kPa. Stub to Martin Place Plaza at north-eastern corner of Martin Place Plaza and Castlereach St intersection.	Lateral			TSE	13	Yes	Remove	Yes				Affected by the temporary partial occupation are of Martin Place Plaza between Castlereach St and Elizabeth St.	Proposed disconnection, removal and reinstatement is to be confirmed Jemena.
					Steel main, secondary main 1050 kPa. Under Elizabeth St south of				102			Remove						
JE0300	Martin Place	Jemena	100mm	High Pressure	Intersection with Hunter St. 75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa.	Longitudinal		Yes		115	No		Yes		N	N	Not affected.	
					Under Hunter St southern footpath and westbound lanes between Castlereach St and Elizabeth St, and under Elizabeth St western													Section of gas main will need to be protected or lowered where it pass
					footpath/northbound lanes from intersection of Hunter St and Elizabeth St												Affected in part where under western footpath in Elizabeth Street and	under the proposed site exit onto Elizabeth St to comply with minimum
JE0350	Martin Place	Jemena	75mm NY	Low Pressure	to north of intersection of Elizabeth St and Martin Place Plaza.	Longitudinal			TSE	200	Yes	Adjust	Yes				adjacent to building to be demolished. Not affected by current station arrangement. Will be affected if proposed	cover requirements.
			200mm		Network main 7 kPa. Under Elizabeth St northbound lanes at intersection with Martin Place Plaza.												cut and cover option is adopted for station entry tunnel and will require	Station arrangement to be confirmed to inform scope of adjustment wo
JE0360	Martin Place	Jemena	200mm	Low Pressure		Longitudinal				68	No		Yes	Yes			diversion or protection.	if needed. Section of main will need to be protected or lowered where it passes up
JE0370	Martin Place	lemena	75mm NY	Low Pressure	Network main 7 kPa. Under Elizabeth St western footpath south of intersection with Martin Place Plaza.	Longitudinal			TSE	35	Yes	Adjust	Yes				Affected in part. Through western footpath in Elizabeth Street and adjace to building to be demolished.	nt the proposed site exit onto Elizabeth St to comply with minimum cover
	inditin'i loce	benena		Low ricoduc		Longitudina			102		105	rojuk	100				to building to be demonstred.	Section of main will need to be protected or lowered where it passes un
																		the proposed site entry from Castlereagh St to comply with minimum cr requirements. The service connection to be disconnected and removed
					Steel main, secondary main 1050 kPa. Under Bligh St north of Hunter St													Where the gas main passes under Hunter St it is not affected by the current station arrangement. Will be affected if cut and cover excavatio
					and under Castlereagh St eastern footpath to south of intersection with												Affected in part where under eastern footpath in Castlereagh Street and	corner of Hunter and Bligh St is adopted for potential future link to 33 B
JE0400	Martin Place	Jemena	150mm	High Pressure	Martin Place Plaza including service connection to 37-51 Martin Place.	Longitudinal		Yes	TSE	297	Yes	Adjust	Yes	Yes	N	N	adjacent to building to be demolished. Not affected by current station arrangement. Will be affected if cut and	St for potential entrance off O'Connell St.
JE0410	Martin Place	Jemena	75mm NY	Low Pressure	75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa. Under Bligh St eastern footpath at intersection with Hunter St.	Longitudinal				55	No		Yes	Yes			cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	Station arrangement to be confirmed to inform scope of adjustment wor if needed
20410	inditin'i loce	benena		Low ricesourc		Longitudina							100	100			Not affected by current station arrangement. Will be affected if cut and	
JE0420	Martin Place	Jemena	110mm NY	Low Pressure	110mm nylon main inserted into 12 inch cast iron main, network main 7 kPa. Under Bligh St western footpath at intersection with Hunter St.	Lateral				70	No		Yes	Yes			future link to 33 Bligh St for potential entrance off O'Connell St.	Station arrangement to be confirmed to inform scope of adjustment wor if needed.
					110mm nylon main inserted into 6 inch cast iron main, network main 7 kPa. Under Hunter St eastbound lanes to intersection with Castlereagh St												Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential	
JE0430	Martin Place	Jemena	110mm NY	Low Pressure	between Pitt St and Castlereagh St.	Lateral				138	No		Yes	Yes			future link to 33 Bligh St for potential entrance off O'Connell St.	if needed.
IF0435	Martin Place	Jemena	75mm NY	Low Pressure	75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa. Under Hunter St westbound lanes between Pitt St and Castlereagh St.	Lateral				100	No		Yes				Not affected.	
		Jemena	110mm NY	Low Pressure	Network main 7 kPa. Under Hunter St weethound lanes under and weet of											-	Not affected	
JE0440	Martin Place	Jemena	110mm NY	Low Pressure	intersection with Castlereagh St. 110mm nylon main inserted into 6 inch cast iron main, network main 7	Lateral				35	No		Yes				Not anected.	
JE0450	Martin Place	Jemena	110mm NY	Low Pressure	kPa. Under Hunter St northern footpath between Castlereagh St and Elizabeth St, and under Chilfley Square western footpath.	Lateral				60	No		Yes				Not affected.	
					Network main 7 kPa. Under Hunter St eastbound lanes under and east of													
JE0460	Martin Place	Jemena	110mm NY	Low Pressure	intersection with Elizabeth St. Network main 7 kPa. Under Elizabeth St south of intersection with Hunter	Lateral				40	No		Yes				Not affected.	
JE0470	Martin Place	Jemena	110mm NY	Low Pressure	St. 110mm nylon main inserted into 6 inch cast iron main, network main 7	Lateral				23	No		Yes				Not affected.	
					kPa. Under Elizabeth St eastern footpath between Hunter St and south of													
JE0480	Martin Place	Jemena	110mm NY	Low Pressure	Martin Place Plaza. Steel main, secondary main 1050 kPa. Under Castlereagh St at	Longitudinal				200	No	-	Yes				Not affected.	
IE0500	Martin Place	Jemena	100mm	High Pressure	Intersection with Hoskins Place. Steel main, secondary main 1050 kPa. Under Castlereagh St north of	Lateral		Yes		20	No		Yes		N	N	Not affected.	
E0600	Martin Place	Jemena	150mm	High Pressure	Steel main, secondary main 1050 kPa. Under Castiereagn St north of Hoskins Place.	Lateral		Yes		20	No		Yes		N	N	Not affected.	
																	Not affected by current station arrangement. Will be affected if proposed cut and cover option is adopted for station entry tunnel and will require	
VW0200	Martin Place	SWC - Sewer	DN225 VC		Under Hunter St between Castlereagh St and Elizabeth St.	Lateral				63	No		Yes		N	N	diversion or protection.	
																	Not affected based on current station layout proposal, Reference Design Check Prints dated 1/2/16. It is assumed the cavern/tunnel is mined	
WW0300	Martin Place	SWC - Sewer	Varied	See comments	Under Castlereach St. Part 711 x 1066 Conc and 914 x 1371 Brick.	Longitudinal	Yes	Yes		506	No		Yes	Yes	N	N	underneath the asset. May be affected if option for a cut and cover tunne under Bligh Street is adopted and it may require diversion or protection.	d
				Coo comments			105	105						res	IN			
VW0350	Martin Place	SWC - Sewer	DN300 VC		Under Elizabeth St at intersection with Martin Place Plaza.	Longitudinal				90	No		Yes				Not affected.	Approx. 6.8-5.8m deep through Martin Place Plaza based on SWC WA
					Under Elizabeth St north of Martin Place Plaza and under Martin Place													plans, alignment of sewer to be confirmed. Likely to need protection du the temporary partial occupation of Martin Place Plaza for cut and cove
VW0400	Martin Place	SWC - Sewer	DN300 VC		Plaza adjacent to Macquarie Bank building to Castlereagh St.	Lateral			TSE	61	Yes	Protect	Yes				May be affected by proposed works for Martin Place Plaza.	and tunneling works between Castlereagh St and Elizabeth St.
/W0410	Martin Place	SWC - Sewer	DN225 VC		Under Castlereagh St eastern footpath at Martin Place Plaza	Longitudinal				110	No		Yes				Not affected.	
			711mm x 1066mm	n		-		~									Not affected.	
/W0450	Martin Place	SWC - Sewer	Tunnel		Under Martin Place Plaza west of Castlereagh St.	Lateral		Yes		350	No		Yes		N	N		
W0460	Martin Place	SWC - Sewer	DN300 VC		Under Martin Place Plaza halfway between Castlereagh St and Pitt St.	Longitudinal				28	No		Yes				Not affected.	

Sydney Rapid Transit – To UTILITIES MAPPING - St	sydne	ey									GIS colour coding	.						
UTILITIES MAPPING - St Printed date:	METR	Cidenham Station									affected - removed identified - no works							
Printed date: Revision:	_	Count 208									design or adjusted					<u> </u>	1	
	lookup	lookup					geotech !			lookup	lookup	lookup	lookup					
Sydney Metro Identification Number (ID)	Station	Utility Owner	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Lateral or Longitudinal	NSW &/or SWC Significant Heritage item Utility - Y	Contract: Demolition/ Early Works/ TSE/ CentralStn	Identified Length (m)	Utility affected (Y/N)	Remove - Utility	Sydney Metro Sth West (V01) Y	Sydney Metro City V09 (incl. Waterloo) - Y	Sydney Metro future Versions	MAJOR risk item TIME I=impacted, N=noted	MAJOR risk item COST I=Impacted, N=noted	Additional information	Scope of adjustment Works
PW0050	Martin Place	SWC - Water	DN250 CICL		Under western footpath at Chifley Square.	Longitudinal			58	No			Yes				Not affected.	
PW0100	Martin Place	SWC - Water	DN150 CICL		Under eastern footpath in Bligh St.	Longitudinal			50	No			Yes				Not affected.	
PW0200	Martin Place	SWC - Water	DN250 CICL		Under northern footpath in Hunter St between Bligh St and Chifley Square	Lateral			61	No			Yes				Not affected.	
PW0300	Martin Place	SWC - Water	DN300 CICL		Under Hunter St westbound lanes between Elizabeth St and Castlereagh St	Lateral			64	No			Yes				Not affected. Under Hunter St carriageway.	
PW0400	Martin Place	SWC - Water	DN250 CICL		Under Hunter St westbound lanes between Elizabeth St and Castlereagh St	Lateral			64	No			Yes				Not affected.	Section of main will need to be protected or lowered where it passes und
PW0500	Martin Place	SWC - Water	DN250 CICL		Under Castlereagh St eastern footpath between Hunter St and south of Martin Place Plaza.	Longitudinal		TSE	295	Yes	Adjust		Yes			 	adjacent to building to be demolished.	the proposed site entry off Castlereagh St for building demolition and cut and cover works to comply with minimum cover requirements.
PW0510	Martin Place	SWC - Water	DN250 CICL		Under Elizabeth St south of intersection with Hunter St. Under Elizabeth St western footpath between Hunter St and south of	Lateral			20	No			Yes				Not affected. Affected in part. Through western footpath in Elizabeth Street and adjacer	
PW0520	Martin Place	SWC - Water	DN450 CICL		Martin Place Plaza. Under Castlereagh St western footpath between Hunter St and south of	Longitudinal		TSE	240	Yes	Adjust		Yes				to building to be demolished, 55 Hunter St.	requirements.
PW0530 PW0540	Martin Place	SWC - Water	DN200 CICL		Martin Place Plaza. Under Martin Place Plaza south side and under Elizabeth St western	Longitudinal		TSE	188	No	Adjust		Yes				Not affected. Affected in part. Through western footpath in Elizabeth Street and adjacer	
PW0540 SW0100	Martin Place Martin Place	SWC - Water SWC - Stormwater	DN150 CICL DN225	See comments	footpath. Stormwater junction of 3 lines over 710 x 1070 brick SW line under Bligh St north of Hunter St.	Longitudinal Lateral		ISE	65 25	Yes No	Adjust		Yes				to building to be demolished. Not affected if stormwater tagged under SW0700 left undisturbed. Not affected by current station arrangement. Will be affected if cut and	cover requirements.
SW0150	Martin Place	SWC - Stormwater	Varied	See comments	150mm VC and 225mm VC pipes under Bligh St. Western footpath.	Lateral			41	No			Yes				cover excavation at comer of Hunter and Bightent. Will be allected in Cut and ture link to 33 Blight St for potential entrance off O'Connell St. Not affected as it appears to pass over SW0700. Not affected by current	
SW0200	Martin Place	SWC - Stormwater	TBC		Under Hunter St and Chilley Square/Phillip St north of intersection with Hunter St.	Lateral			247	No			Yes				station arrangement. Will be affected if cut and cover excavation at corne of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	r r
SW0250	Martin Place	SWC - Stormwater	TBC		Under Hunter St and Elizabeth St intersection.	Lateral			45	No			Yes				Not affected. Not affected as it appears to pass over SW0700. Not affected by current station arrangement. Will be affected if cut and cover excavation at corne	_
SW0300	Martin Place	SWC - Stormwater	DN400 VC		Under Hunter St eastbound lanes between Castlereagh St and Elizabeth St.	Lateral			115	No			Yes				station arrangement. Will be affected if cut and cover excavation at come of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St. Plice passes over proposed station passageways and platforms. Depth	
SW0350	Martin Place	SWC - Stormwater	711mm x 1066mm Brick Tunnel		Heritage listed stormwater under Elizabeth St. Requires 3m curtilage/exclusion zone around asset. Part of the Bennelong Stormwater Channel Network.	Longitudinal	Yes Yes		340	No			Yes		N		calculated based on SWC WAC plans. Not affected based on current station layout proposal, Reference Design Check Prints dated 1/2/16. It is assumed the cavern/tunnel is mined underneath the stormwater.	s
																	Not affected as it appears to pass over SW0700. Not affected by current station arrangement. Will be affected if cut and cover excavation at corne of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for	r
SW0400	Martin Place	SWC - Stormwater	DN225 VC		Under Hunter St and Bligh St/Castlereagh St intersection.	Lateral			27	No			Yes				potential entrance off O'Connell St. Not affected as it appears to pass over SW0700. Not affected by current station arrangement. Will be affected if cut and cover excavation at corne	ſ
SW0450	Martin Place	SWC - Stormwater	DN225 VCP		Under Hunter St and Bligh St/Castlereagh St intersection.	Lateral			8	No			Yes				of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and	
SW0460 SW0500	Martin Place	SWC - Stormwater	DN225 VCP		Drain under telecom tunnel under Castlereagh St.	Longitudinal			166	No			Yes				cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
SW0500	Martin Place	SWC - Stormwater	DN225 VCP		Under Hunter St and Bligh St/Castlereagh St intersection.	Lateral			15	No			Yes				Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bilgh St is adopted for potential future link to 33 Bilgh St for potential entrance off O'Connell St.	
	THE OTTER DOG		710mm x 1070mm		Heritage listed stormwater under Castlereagh St. Size changes along alignment. Requires 3m curtilage/exclusion zone around asset. Part of the												Pipe passes over proposed station passageways and platforms. Depth calculated based on SWC WAC plans. Not affected based on current station layout proposal, Reference Design Check Prints dated 1/2/16. It is assumed the cavern/tunnel is mined underneath the asset. May be affected if option for a cut and over tunnel under Bigh Street is adopted	s
SW0700 SW0800	Martin Place Martin Place	SWC - Stormwater SWC - Stormwater	Brick Tunnel Varied		Bennelong Stormwater Channel Network. Stormwater junction under Castlereagh St south of intersection with Hunter St comprising of a number of stormwater connections.	Longitudinal Lateral	Yes Yes		545 20	No			Yes Yes	Yes	N	N	and it may require diversion or protection.	
SW0900	Martin Place	SWC - Stormwater	Varied		Stormwater junction under Castlereagh St north of intersection with Hoskins Place comprising of a number of stormwater connections. Under Castlereagh St eastern footpath south of and under intersection	Lateral			7	No			Yes				Not affected.	
SW 1000	Martin Place Martin Place	SWC - Stormwater SWC - Stormwater	TBC TBC		with Martin Place Plaza. Drain under telecom tunnel in Martin Place Plaza west of Castlereagh St.	Longitudinal Lateral			90 62	No			Yes Yes				Not affected. Not affected.	
SW 1120	Martin Place	SWC - Stormwater	DN225 VCP		Under Martin Place Plaza west of Castlereagh St.	Lateral			50	No			Yes				Not affected.	
W1140	Martin Place	SWC - Stormwater Storm (City Of	DN225 VCP		Under Martin Place Plaza west of Castlereagh St. Existing stormwater line through Martin Place Plaza on northern side	Lateral			58	No	_		Yes				Not affected.	Will need to be removed during the temporary partial occupation of Man Place Plaza between Castlereagh St and Elizabeth St and reinstated wh
Co0010	Martin Place	Sydney) Storm (City Of Sydney)	DN375		between Elizabeth Street and Castlereagh Street. Existing stormwater line through Martin Place Plaza on southern side between Elizabeth Street and Castlereagh Street.	Lateral		TSE	38	Yes	Remove		Yes				Affected by proposed works for Martin Place Plaza.	works are complete. Will need to be removed during the temporary partial occupation of Marti Place Plaza between Castlereagh St and Elizabeth St and reinstated who works are complete.
Co0020 Co0030	Martin Place	Storm (City Of Sydney)	DN375 DN375		between Elizabeth Street and Castlereagh Street. Stormwater under Castlereagh St eastern kerbline at intersection with Martin Place Plaza.	Lateral		ISE	38	Yes	remove		Yes		1		Affected by proposed works for Martin Place Plaza. Not affected.	wuns are complete.

Appendix D: Assessment of Required Changes from Utilities Diversion Reference Design (Works under CSSI Approval)



















	Sydney Rapid Transit – Te	abrical Carriaga		1		1	1			I	1
					METRO						
						Total fo	or Reference Des	sign			
NAME NAME <th< th=""><th>Revision:</th><th>2</th><th>08</th><th></th><th></th><th></th><th>Reference De</th><th>sign</th><th></th><th></th><th></th></th<>	Revision:	2	08				Reference De	sign			
And And <th>Sydney Metro Identification Number (ID)</th> <th>Utility Owner</th> <th>Size</th> <th>Туре</th> <th>(i.e. UG or OH, tunnel etc.) Utility - Y</th> <th>Demolition/ Early Works/</th> <th>Identified Utili</th> <th>ity affected Protect/ Adjust/</th> <th>Additional information</th> <th>Scope of adjustment Works of Reference Design</th> <th>New or Alternative Scope of adjustment Works deviated from the Reference Design</th>	Sydney Metro Identification Number (ID)	Utility Owner	Size	Туре	(i.e. UG or OH, tunnel etc.) Utility - Y	Demolition/ Early Works/	Identified Utili	ity affected Protect/ Adjust/	Additional information	Scope of adjustment Works of Reference Design	New or Alternative Scope of adjustment Works deviated from the Reference Design
Sum Sum </td <td>AG0100</td> <td>Ausgrid</td> <td>See comments</td> <td>Low Voltage</td> <td>buried abandoned cables with 0.3m cover parallel to 3 x 100 AC conduits containing LV and SL cables with 0.6-0.7m cover, section AJ1 on DBYD plans. Including Pit No. 51633.</td> <td></td> <td>35</td> <td></td> <td>cover excavation at corner of Hunter and Bligh St is adopted for potential</td> <td></td> <td></td>	AG0100	Ausgrid	See comments	Low Voltage	buried abandoned cables with 0.3m cover parallel to 3 x 100 AC conduits containing LV and SL cables with 0.6-0.7m cover, section AJ1 on DBYD plans. Including Pit No. 51633.		35		cover excavation at corner of Hunter and Bligh St is adopted for potential		
SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME SAME	AG0110	Ausgrid	See comments	High Voltage	AC conduits in 2(H) x 2(V) configuration with and AUX cables, section HX1 on DBYD plans, and part unknown as not shown on DBYD plans. Including Pit No. 51637. No depth of cover shown on DBYD plans.		42	No	cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
MAN MAN <td>AG0120</td> <td>Ausgrid</td> <td>4 x 100 AC conduits</td> <td>High Voltage</td> <td>conduits configuration with HV and AUX cables, section EY1 on DBYD plans. DBYD plans show 1.2m cover over the conduits.</td> <td></td> <td>34</td> <td>No</td> <td>cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.</td> <td></td> <td></td>	AG0120	Ausgrid	4 x 100 AC conduits	High Voltage	conduits configuration with HV and AUX cables, section EY1 on DBYD plans. DBYD plans show 1.2m cover over the conduits.		34	No	cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
And And <td>AG0130</td> <td>Ausgrid</td> <td>4 x 100 AC conduits</td> <td>See comments</td> <td>conduits configuration with HV, LV and SL cables, section EZ1 on DBYD plans. DBYD plans show 0.6-0.8m cover over the conduits.</td> <td></td> <td>28</td> <td>No</td> <td>cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.</td> <td></td> <td></td>	AG0130	Ausgrid	4 x 100 AC conduits	See comments	conduits configuration with HV, LV and SL cables, section EZ1 on DBYD plans. DBYD plans show 0.6-0.8m cover over the conduits.		28	No	cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
Note	AG0140	Ausgrid	8 x 100 FC conduits	High Voltage	4 conduits configuration with HV and AUX cables, section Al1 on DBYD		42		cover excavation at corner of Hunter and Bligh St is adopted for potential		
Norm	AG0150	Ausgrid	TBC	132kV	Future City East Cable Tunnel. Yes		171	No	Not affected.		
Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm Norm											
And And <td>AG0160</td> <td>Ausgrid</td> <td>See comments</td> <td>High Voltage</td> <td>Io AG0140. Bank of 9 x 150 AC conduits and 3 x 50 AC conduits in 3 x 4 conduits configuration comprising of HV and AUX cables, section MT4 on DBYD plans. DBYD plans show 1.2-1.9m cover over the conduits. Under Bigh St western footpath and under Hunter St west of Bigh St and Hunter St intersection. Varied conduits configurations, sections FE1, FB1,</td> <td></td> <td>43</td> <td>No</td> <td>cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.</td> <td></td> <td></td>	AG0160	Ausgrid	See comments	High Voltage	Io AG0140. Bank of 9 x 150 AC conduits and 3 x 50 AC conduits in 3 x 4 conduits configuration comprising of HV and AUX cables, section MT4 on DBYD plans. DBYD plans show 1.2-1.9m cover over the conduits. Under Bigh St western footpath and under Hunter St west of Bigh St and Hunter St intersection. Varied conduits configurations, sections FE1, FB1,		43	No	cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
Name	AG0170	Ausgrid	Varied	See comments	Includes Pit No's. 51625, 51611 and 51609. DBYD plans show 0.4-0.6m cover over the conduits. Under Hunter St east bound lanes west of and up to intersection with Bligh St. Part 16 x 140 AC in 4 x 4 configuration, part 12 x 100 AC in 3 x 4		45		cover excavation at corner of Hunter and Bligh St is adopted for potential		
American	400180	August	So		of ex tramway shared ducts with RMS, sections OI3, NR4 and HW1 on DBYD plans including Pit No. 51650. HV and AUX cables. For part of alignment no cover depth shown on DBYD plan and for part DBYD plans				cover excavation at corner of Hunter and Bligh St is adopted for potential		
Dia Dia Mage Link Mage	AGU180	Ausgrid	See comments	High Voltage			45		Not affected by current station arrangement. Will be affected if cut and		
Mathematical and the second	AG0190	Ausgrid	LV	Abandoned	St to north eastern corner with Chifley Sq/Phillip St, Pit No. 51659.		98	No	future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and		
Main Mark Main Mark Mark Mark Mark Mark Mark Mark Mark Main Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark Mark<	AG0191	Ausgrid	LV	Abandoned	Castlereagh St intersection.		58				
$ \begin{array}{c c c c c c c } \hline \begin{tabular}{ c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	AG0193	Ausgrid	LV	Abandoned	Castlereagh St/Bligh St.		20	No	Not affected.		
Action April U April U April Apr		Ausgrid		Abandoned	LV abandoned cables. Under Bligh St western footpath and under Hunter St		8		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential		
Arrow Ly Control Logical District Control					LV abandoned cables. Under Hunter St west of intersection with		32				
Add 10 Cold V Add 20 Cold 20 V Add 20 Note the State Sta	AG0197	Ausgrid	LV	Abandoned			8		Not affected by current station arrangement. Will be affected if cut and		
Abc19 Abc2 Abc2 <t< td=""><td>AG0198</td><td>Ausgrid</td><td>LV</td><td>Abandoned</td><td>west of Bligh St and Hunter St intersection parallel to AG0196.</td><td></td><td>155</td><td></td><td></td><td></td><td></td></t<>	AG0198	Ausgrid	LV	Abandoned	west of Bligh St and Hunter St intersection parallel to AG0196.		155				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	AG0199	Ausgrid	LV	Abandoned	intersection with Castlereagh St and around and under the south western corner of Hunter St and Castlereagh St intersection. Pit structure, Pit No. 51657, under Hunter St and Castlereagh St		38		Not affected by current station arrangement. Will be affected if cut and		
Answer Ange <	AG0200	Ausgrid	TBC	Pit							
Auge Auge <th< td=""><td>AG0205</td><td>Ausgrid</td><td>See comments</td><td>Pit</td><td>plans. Under Hunter St west bound lanes from west of Bligh St/Castlereagh St intersection, Pit No. 51638, to east of Hunter St and Elizabeth St intersection, Pit No. 51703. Including Pit No's. 51649, 51669 and 51689. Yes</td><td></td><td>118</td><td></td><td>cover excavation at corner of Hunter and Bligh St is adopted for potential</td><td></td><td></td></th<>	AG0205	Ausgrid	See comments	Pit	plans. Under Hunter St west bound lanes from west of Bligh St/Castlereagh St intersection, Pit No. 51638, to east of Hunter St and Elizabeth St intersection, Pit No. 51703. Including Pit No's. 51649, 51669 and 51689. Yes		118		cover excavation at corner of Hunter and Bligh St is adopted for potential		
Accors Accord Is to 0 closed, in provide 18 ph 0 closency is the protection. Provide 18 ph 0 closency is the protectint. Provide 18 ph 0 closency is the pr	AG0210	Ausgrid	6 x 140 FC conduits	High Voltage	between pits 51649 and 51650. Bank of 2 x 3 conduits configuration with HV, section HS1 on DBYD plans. DBYD plans show 0.8-1.2m cover over the conduits.		9		cover excavation at corner of Hunter and Bligh St is adopted for potential		
Anoma Anoma Server etc.	400315	Ausarid	1 x 100 GL conduit	High Voltage	St west bound lanes from west of Bligh 5t/Castlereagh St intersection, Pit No. 51630, to east of Hunter St and Elizabeth St Intersection, Pit No. 51707. Including Pit No's. 61680 and 51691. No cover depth shown on		120		cover excavation at corner of Hunter and Bligh St is adopted for potential		
Augst See connects High Votage Constrained and sector Hull Not Work (MT Partmann Partmannn Partmannn Partmannn Partmannnn Partmann Partmann Partmann Partm					Direct buried SL cable(s) under Hunter St southern footpath west of intersection with Castlereagh St and around ant under the western footpath				<u> </u>		
Augrit See converte High Value Definition the statement of Links 28 No Not affected Converte	AG0220	Ausgrid	See comments	Street Light	Under Hunter St southerm footpath west of intersection with Castlereagh St and around ant under the western footpath of Castlereagh St. Varied conduits configuration, sections HU1, IX4, IW4, TL3, TM3 on DBVD plans with HV, LV and SL cables. DBVD plans how 2 x 63 PVC conduits with		42	NO	INOL AIRECTED.		
Accord Auguit 12 x 100 AC condus High Voluge beddes AP and NS, holding Pt Voluge Stole And AP and NS, holdin AP and Pt Voluge Stole	AG0225	Ausgrid	See comments	High Voltage	0.6m cover over the conduits at section HU1. Under Hunter street east bound lanes between Castlereagh St and		28	No	Not affected.		
Augeld 4 x 100 FC conduts High Voltage Februaries of the conduts of the condut of	AG0230	Ausgrid	12 x 100 AC conduits	High Voltage	sections AP1 and NS4, including Pit No's. 51664 and 51673. Ex tramway shared ducts RMS/Ausgrid. DBYD plans do not show cover depth over the conduits.		66		cover excavation at corner of Hunter and Bligh St is adopted for potential		
AcQ240 Ausgrid 4 x 100 AC conduts High Voltage and Castlereage T1 strength constraints not DBVD plans, holding PI No. 51660, DBVD plans show 0.8.1.2m cover over the conduts. I/V, LU 13 No Not affected by current station arrangement. Will be affected if cut and cover exavation at correr of Hunter and Bigh S1 is adopted for potential future link to 33 Bigh S1 for potential AG0240 Ausgrid 4 x 100 AC conduts High Voltage and Lizabet S1 cut of the conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show varied depth of cables and concrete encased conduts. DBVD plans show and depth of cables and concrete encased conduts. DBVD plans show and conduts between Cables and concrete encased conduts. DBVD plans show and depth of concret encased conduts control Hunter and Blans Bland Encoder Bland and and concret encavation at concret of Hunter and Bland Bland and and and concret encavation at concret of Hunter and Bland Bland and and and concret encavation at concret of Hunter and Bland Bland	AG0235	Ausorid	4 x 100 EC conduite	High Voltage	Elizabeth St, parallel to AG0230. Bank of 2 x 2 conduits configuration with HV and AUX cables, sections AU1 and BG1 on DBVD plans, including Pit No's. 51677, 51684 and 51701. DBVD plans do not show cover depth over the conduits along Section AU1 and show 1.1-1.2m cove over the conduits		80		cover excavation at corner of Hunter and Bligh St is adopted for potential		
AG0240 Augrid 4 to 0A.C conduits High Voltage and SL cables althrough duckts. Image: State Stat				<u></u>	Under Hunter St and Castlereagh St intersection eastern pedestrian crossing. 1 x 4 conduit configuration, section AT1 on DBYD plans, including				Not affected by current station arrangement. Will be affected if cut and		
Account See comments 132 /r invariance or control models and prevalue. Part of the cables along the route. Part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the route along the part of the cables along the part of the cable	AG0240	Ausgrid	4 x 100 AC conduits	High Voltage	and SL cables through ducts. Under middle of Hunter Street between Castlereagh St and Elizabeth St and turning onto Castlereagh St. Varied configurations of direct buried		13	No	future link to 33 Bligh St for potential entrance off O'Connell St.		
AG0250 Augrid LV Abandoned Castleragh St and Elizabeth St. Set No future link to 33 Bigh St for potential entrance off O'Connell St. AG0250 Augrid See comments Under Hunter St and Bigh St intersection north eastern corner. 3 tri00 AC conduits between Pit No Sof 567 and 51639 with 0.6-0B mc over as per details on DBYD plans by detail	AG0245	Ausgrid	See comments	132kV	cover between 0.7-1.6m along the route. Part of the cables along the route in Hunter St are shown as removed, to be confirmed by Ausgrid. Yes		132	No	cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and		
AG0255 Augrid See comments High Voltage with HV and AUX cables, section AO1. 6 No future link to 33 Bligh St for potential entrance off O'Connell St. AG0256 Augrid Pit structure, Pit No. 51639, at north eastern corner of Bligh St and Hunter St intersection with various incoming and outgoing duct and cables Not affected by current station arrangement. Will be is adopted for potential correr of Hunter St northern footpath between Bligh St and Chifley Sq/Phillip St varied conducts and groute with HV and LV, refer to sections FE4, FF4, AM1 and AQ1 on DBVD plans for details, including Pit No Hunter link to 33 Bligh St for potential entrance off O'Connell St.	AG0250	Ausgrid	LV	Abandoned	Castlereagh St and Elizabeth St. Under Hunter St and Bligh St intersection north eastern corner. 3 x 100 AC conduits with no cover recorded parallel to 4 x 100 AC conduits between Pit		55	No	future link to 33 Bligh St for potential entrance off O'Connell St.		
AG0260 Ausgrid See comments Pit configurations. No future link to 33 Bligh St for potential entrance off O'Connell St. Image: Control of the section Sectio	AG0255	Ausgrid	See comments	High Voltage	with HV and AUX cables, section AO1. Pit structure, Pit No. 51639, at north eastern corner of Bligh St and Hunter		6	No	future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and		
sections FE4, FF4, AM1 and AQ1 on DBYD plans for details, including Pit	AG0260	Ausgrid	See comments	Pit	configurations. Under Hunter St northern footpath between Bligh St and Chifley Sq/Phillip						
AG0265 Ausgrid Varied High Voltage No's. 51646, 51648, 51654 and 51659. 46 No Not affected.	AG0265	Ausgrid	Varied	High Voltage	sections FE4, FF4, AM1 and AQ1 on DBYD plans for details, including Pit No's, 51646, 51648, 51654 and 51659.		46	No	Not affected.		
AG0270 Ausgrid 4 x 100 FC conduits High Voltage AS1 on DBYD plans. dbyt 0.6-0.9m cover over the conduits. 18 No Not affected.	AG0270	Ausgrid	4 x 100 FC conduits	High Voltage	intersection. 1 x 4 conduits configuration with HV, LV and SL cables, section		18	No	Not affected.		

Sydney Rapid Transit – UTILITIES MAPPING - I											
Printed date: Revision:	Count 208					Total fo	r Reference	Design			
Sydney Metro	Utility Owner	Size	Туре	Utility information	Significant	Contract:	Referen	ce Design Utility affected	Protect/ Adjust/	Additional information	Scope of adjustment Works of Reference Design
Identification Number		0.20	.)}*	(i.e. UG or OH, tunnel etc.)	Utility - Y	Demolition/ Early Works/ TSE/ CentralStn	Length (m)	(Y/N)	Remove - Utility		
				Under western footpath of Chifley Sq/Phillip St and intersection with Hunter St. Part 2 x 2 conduits configuration, section AX1, and part 1 x 4 conduits							
AG0275	Ausgrid	4 x 100 FC conduits	High Voltage	configuration, section AF1, with HV and AUX cables including Pit No. 51677 as on DBYD plans. DBYD plans show 1.2-1.8m cover over the conduits. Under norther pedestrian crossing at Hunter St and Chifley Sq/Phillip St			32	No		Not affected.	
AG0280	Ausgrid	3 x 100 AC conduits	High Voltage	intersection. DBYD plans show 0.5-0.9m cover over the conduits with abandoned, HV, and SL cables, sections BC1 and BD1. Under Chifley Sq/Phillip St south bound lanes. 2 x 5 conduits configuration with HV. LV and AUX cables. DBYD plans show 0.8-1.2m cover over the			32	No		Not affected.	
AG0285	Ausgrid	10 x 140 FC conduits	High Voltage	with HV, LV and AUX cables. DBYD plans show 0.6-1.2m cover over the conduits. Under Hunter St and Castlereagh St intersection. Bank of 2 x 4 conduits			35	No		Not affected. Not affected by current station arrangement. Will be affected if cut and	
AG0290	Ausgrid	8 x 150 PVC conduits	High Voltage	configuration with HV cables. DBYD plans show 1.2-1.7m cover over the conduits, section ED4. Under Hunter St and Castlereagh St intersection. Bank of 2 x 3 conduits			13	No		cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and	
AG0295	Ausgrid	6 x 140 FC conduits	High Voltage	configuration with HV cables. DBYD plans show 0.8-1.4m cover over the conduits, section IA1.			6	No		four an access of content statement of the statement of t	
AG0300	Ausgrid	See comments	See comments	St. Various duct and cables configurations including Pit No's. 51686, 51688, 51696 and 51697. Configurations to be confirmed as not shown on DBYD plans.			45	No		Not affected if no works proposed for Hunter Street footpath adjacent to building site.	
				Under Castlereagh St south of intersection with Hunter St. Bank of 2 x 2 conduits configuration with HV and AUX cables, section IC1 on DBYD							
AG0305	Ausgrid	4 x 100 FC conduits	Sub	plans, including pit structure and sub-station/transformer. DBYD plans show 0.9-1.2m cover over the conduits. Under Castlereagh St south on intersection with Hunter St. Bank of 2 x 3	Yes		12	No		Not affected as no works proposed for Castlereagh St footpath.	
AG0310	Ausgrid	6 x 100 FC conduits	Low Voltage	conduits configuration with LV and AUX cables, section ID1 on DBYD plans, including pit 51700. DBYD plans show 1.4m cover over the conduits.	,		11	No		Not affected.	
AG0315	Ausgrid	4 x 100 FC conduits	High Voltage	Under Castlereagh St south of AG0310. 1 x 4 conduits configuration with HV and AUX cables, section IF1 on DBYD plans, including Pit No. 51722. DBYD plans show 0.9m cover over the conduits. Under Castlereagh St south of AG0310. 1 x 4 conduits configuration with			8	No		Not affected.	
AG0320	Ausgrid	4 x 100 FC conduits	11kV	HV and AUX cables, section IF1 on DBYD plans. DBYD plans show 0.8- 1.4m cover over the conduits.	Yes	Demolition	10	Yes	Remove	Affected due to substation removal as described under as AG0335.	Cables to be terminated and disused. To be confirmed by Aus
AG0325	Ausgrid	4 x 140 PVC conduits	High Voltage	Under Castlereagh St south of AG0315. Bank of 2 x 2 conduits configuration with HV and AUX cables, section II1 on DBYD plans. DBYD plans show 1.1m cover over the conduits.			16	No		Not affected.	
				South of Hunter St and Castlereagh St intersection within building to be demolished, 55 Hunter St. Pit structure with transformer and various incoming and outgoing duct and cables configurations. Ausgrid reference							
AG0335	Ausgrid	See comments	Sub	number not clear on DBYD plans. Sits between Pit No', 51723 and 51736. Sub No. 51664. In footpath in front to 4-8 Castlereagh St. No details and no cover depth	Yes	TSE	1	Yes	Remove	Affected. Inside 55 Hunter St building proposed for demolition.	Substation to be removed and cables terminated or diverted. T confirmed with Ausgrid.
AG0350	Ausgrid	See comments	Low Voltage	shown on DBYD plans. GIS shows LV and abandoned cables. Ausgrid to confirm. Under footpath at south western cornet of Hunter St and Elizabeth St			11	No		Not affected. To be confirmed if abandoned.	
AG0360	Ausgrid	1 x 125 PVC conduit	Street Light	intersection. 1 x 125 PVC conduit with SL cables, section OE3 on DBYD plans. No cover depth shown on DBYD plans. Under Castlereagh St eastern footpath between Hunter St and south of			6	No		Not affected.	
				Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations. Refer to sections IH1, IK1, JE1, JG1, JO1, JP1, JQ1, KE4,							
AG0400	Ausgrid	See comments	High Voltage	TB1, TC1, TE1 and MD4 and includes Pit No's. 51693, 51699, 51736, 51763, 51806, 51816, 51828, 51890, 51937, 51960, 52013, 52771 and 52038.		TSE	240	Yes	Adjust	Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished, 55 Hunter St and 37-51 Martin Place and under proposed construction site entry.	Section of cables and conduits will need to be protected or low they pass under the proposed site entry off Castlereagh St for demolition and cut and cover works.
AG0405	Ausgrid	4 x 100 AC conduits	High Voltage	Under Castlereagh St northern pedestrian crossing at Martin Place Plaza. 1 x 4 conduit configuration with HV, LV and AUX cables, section JN1/MC4 on DBYD plans. DBYD plans show depth of cover 0.6 - 1.0m			16	No		Not affected.	
AG0405	Ausgrid	4 x 100 AC conduits	High Voltage	Under Castlereagh St between Hunter St and south of Martin Place Plaza.			10	NO		NOT anecieu.	
AG0410	Ausgrid	See comments	High Voltage	Alignment comprises of various duct, pits and cables configurations. Refer to sections OT3, IB1, IL1, KA3, LR3 and EJ4 on DBYD plans and includes Pit No's. 51678, 51720, 51746, 51805 and 51991.			230	No		Not affected. Under Castlereagh Street and over tunnel.	
AG0415	Ausgrid	TBC	See comments	Under Castlereagh St/ Martin Place Plaza crossing. Pit and duct only, Pit No. 51949. To be confirmed by Ausgrid as no detail given on DBYD plans. Under Castlereagh St south of Martin Place Plaza. 8 x 100 FC (4 x 2 configuration) and 4 x 100 FC (2 x 2 configuration) of conduits with HV and			19	No		Not affected.	
AG0420	Ausgrid	See comments	High Voltage	AUX cables, sections SY1 and TG1 on DBYD plans including Pit No. 52039. DBYD plans show 0.8-0.9m depth of cover over conduits. Under Castereagh St from halfway between Hunter St and Martin Place			45	No		Not affected. Under Castlereagh Street and over tunnel.	
				Plaza to intersection of Castlereagh St and Martin Place Plaza crossing. Alignment comprises of various duct, pits and cables configurations. Refer to sections JJ1, JL1, JM1, IY1, MF4, IX1 and JF1 on DBYD plans and							
AG0425	Ausgrid	See comments	High Voltage	includes Pit No. 51873. HV and LV cables. No details shown on DBYD plans, TBC. Service to			85	No		Not affected. Under Castlereagh Street and over tunnel.	
AG0500	Ausgrid	See comments	High Voltage	Macquarie Bank building. Under Elizabeth St western footpath between Hunter St and Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations.			42	No		Not affected. Services to existing building to remain.	
AG0600	Ausgrid	See comments	High Voltage	Refer to sections B01, BP1, DK1, JJ4, DL1, DX1, DY1 and DZ1 on DBYD plans and includes Pit No's. 51744, 51783, 51830, 51852, 51899 and 51961.		TSE	136	Yes	Adjust	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished, 55 Hunter St, and under proposed constructior site exit.	Section of cables and conduits will need to be protected or low they pass under the proposed site exit onto Elizabeth St.
				Sub No. 395. Under Martin Place Plaza adjacent to intersection with Elizabeth St. Pit structure with transformer, Ausgrid Ref: CCZ018903, with	Vaa	TSE	4				Will need to be decommissioned, removed and/or relocated du temporary partial occupation of Martin Place Plaza between C
AG0610	Ausgrid	See comments	Sub	various incoming and outgoing duct and cables configurations. Under Martin Place Plaza and Elizabeth St intersection. Pit structure, Ausgrid Ref: 51993, with various incoming and outgoing duct and cables	Yes	ISE	1	Yes	Remove	Affected by proposed works for Martin Place Plaza.	and Elizabeth St. Structure will require new breakouts in pit walls due to the need
AG0615	Ausgrid	See comments	Pit	configurations including Optus communications optic fibre cables through incoming Ausgrid conduits. Under Elizabeth St. Under Elizabeth St western footpath between Hunter St	Yes	TSE	1	Yes	Adjust	Affected due to proposed relocations/diversions of existing conduits through Martin Place Plaza affected by the proposed works.	existing ducts and cables under Martin Place Plaza outside the proposed works.
				and Martin Place Plaza. Alignment comprises of various duct, pits and cables configurations. Refer to sections BI1, BN1, HF4, HG4, HH4 and HI4 on DBYD plans and includes Pit No's. 51789 and 51771. DBYD plans show							
AG0620	Ausgrid	See comments	High Voltage	varied depths of cover between 0.8 - 2.1m. Under Elizabeth St and Martin Place Plaza intersection. Bank of conduits in			161	No		Not affected. Under Elizabeth Street and over tunnel. Not affected by current proposal as no works proposed for Elizabeth	
AG0630	Ausgrid	18 x 100 AC conduits	High Voltage	2 x 9 configuration with HV, LV, SL and AUX cables, section LP3 on DBYD plans. No cover depth shown on DBYD plans.			37	No		St/Martin Place Plaza intersection. Will be affected if proposed cut and cover option at Elizabeth St for the station is adopted.	Will need to be relocated/diverted outside the area of works fo
				Under Martin Place Plaza between Castlereagh St and Elizabeth St. Bank of conduits in 2 x 10 configuration with HV, LV, SL and AUX cables, refer section RF3 on DBYD plans. DBYD plans show 3.5m depth of cover over							decommission of Sub No. 395 and removal of the pit structure proposed diversion route refer to rote marked up as AG0700_ Optus will need to be advised regarding the relocation of their of
AG0700	Ausgrid	20 x 140 FC conduits	11kV	conduits. Under Martin Place Plaza between Castlereagh St and Elizabeth St.	Yes	TSE	70	Yes	Adjust	Affected by proposed works for Martin Place Plaza.	present through the Ausgrid ducts.
				Alignment comprises of various duct, pits and cables configurations. Refer to sections CY4, CX4, CP4, SK1 and KF4 on DBYD plans and includes Pit No's. 52013, 52017 and 52018. Depth of cover as shown on DBYD plans					_		Will need to be protected and worked around, including pits, du temporary partial occupation of Martin Place Plaza between C
AG0800	Ausgrid	See comments	High Voltage	along marked up route varies from 0.6-1.9m. Sub No. S2853 at 37-51 Martin Place, to be demolished, including incoming cables. Abandoned direct buried cables and 1 x 666 FC conduit with AUX cables section SN1 on DRVn plans. DRVn plans do not show any cover		TSE	80	Yes	Protect	Affected by proposed works for Martin Place Plaza.	and Elizabeth St. Substation and serviced to building to be demolished to be dec terminated and removed, including cables and conduits back to under Elizabet St, Ausgrid Ref: CCZ018903. Depth of existing
AG0900	Ausgrid	See comments	Sub	cables, section SN1 on DBYD plans. DBYD plans do not show any cover depth over the conduit or cables. Adjacent to AG0800. 4 x 100 GI and 1 x 75 GI conduits with HV cables,	Yes	Demolition	30	Yes	Remove	Affected by proposed works for Martin Place Plaza and building demolition.	be confirmed. Will need to be protected and worked around, including pits, du
AG0905	Ausgrid	See comments	High Voltage	section SO1 on DBYD plans. DBYD plans show 1.3m cover over the conduits. Under Elizabeth St south of Martin Place Plaza. Alignment comprises of		TSE	13	Yes	Protect	Affected by proposed works for Martin Place Plaza.	temporary partial occupation of Martin Place Plaza between C and Elizabeth St.
400010	Augurit	Sec	84	various duct, pits and cables configurations. Refer to sections SR1, TS1 and TO1 on DBYD plans and includes Pit No's. 52016, 52033, 52079 and			~~~	N-		Not offerted Hadas Elizabeth Chartherin Inn	
AG0910	Ausgrid	See comments	Pit	52091. Under Elizabeth St western footpath south of Martin Place Plaza. Conduits	Yes		66	No		Not affected. Under Elizabeth Street bus lane.	
AG0920	Ausgrid	3 x100 AC/FC conduits	High Voltage	with HV, LV and SL cables and adjacent direct buried SL and abandoned cables, sections HT3 and TP1 on DBYD plans, including Pit No's. 52052 and 52068. DBYD plans show 0.3m cover over the conduits including pits.		TSE	52	Yes	Adjust	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished.	Section of cables and conduits will need to be protected or low they pass under the proposed site exit onto Elizabeth St to con minimum cover requirements.
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ign	New or Alternative Scope of adjustment Works deviated from the Reference Design
Ausgrid.	
ed. To be	
lowered where for building	
	The existing service shall be protected during the construction of the Concourse Connection underneath to maintain the operation of 50 Martin
	Concourse Connection underneath to maintain the operation of 50 Martin Place.
lowered where	
d due to the en Castlereagh St	
need to relocate the area of	
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s following the ture. For 00_d. Note, neir cables	The current proposal is to re-route through new service corridor in Martin Place Plaza
	The current proposal is to re-route through new service corridor in Martin Place Plaza
decomissioned, ck to pit structure ting services to	
s, during the In Castlereagh St	The current proposal is to re-route through new service corridor in Martin Place Plaza
lowered where comply with	

	sit – Technical Services			Sydney METRO							
UTILITIES MAPPIN Printed date:	3 - Project James Count	t		METRO		Total fo	or Reference	Design			
Revision:	208	3					Reference	ce Design			
Sydney Metr Identification NumI	o Utility Owner er (ID)	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Significant Utility - Y	Contract: Demolition/ Early Works/ TSE/ CentralStn	ldentified Length (m)	Utility affected (Y/N)	Protect/ Adjust/ Remove - Utility	Additional information	Scope of adjustment Works of Reference Design
AG0925	Ausgrid	4 x 140 AC conduits	High Voltage	Under Elizabeth St western footpath south of Martin Place Plaza parallel to AG0920. HV cables through varied conduit configuration, sections SQ1, HU3 and HS3 on DBYD plans, with cover depth as shown on DBYD plans varying from 0.3-0.6m along the route.			24	No		Not affected.	
AG0930	Ausgrid	4 x 140 FC conduits	High Voltage	Under Elizabeth St western footpath south of Martin Place Plaza parallel to AG0920. Bank of 2 x 2 conduits configuration with HV, LV and SL cables, section HX3 on DBYD plans. DBYD plans show 0.6m of cover over the conduits.			13	No		Not affected.	
TE0050	Telstra	TBC	Optic Fibre	Telstra Tunnel under Bridge St between Pitt St and Loftus St.	Yes		130	No		Not affected. Tunnel depth and size modelled based on WAC information.	
750400	T-1	TRO	Onlin Film	Talata Tanada Filada it Otand Hada Ot	¥		320	No		Not affected by current station arrangement. May be affected subject to final station access alignment and construction details for access to 33 Blig	1
TE0100 TE0125	Telstra	TBC	Optic Fibre Optic Fibre	Telstra Tunnel under Elizabeth St and Hunter St. Telstra Tunnel under Chifley Square and intersection of Hunter St and Chifley Square.	Yes		320	No		St. Tunnel depth and size modelled based on WAC information. Not affected. Tunnel depth and size modelled based on WAC information.	
TE0150	Telstra	TBC	Optic Fibre	Telstra Tunnel under Castlereagh St between Martin Place Plaza and Hunter Street.	Yes		160	No		Not affected. Tunnel depth and size modelled based on WAC information.	
TE0200	Telstra	твс	Optic Fibre	Telstra Tunnel under Castlereagh St southbound lanes south of Martin Place Plaza then west along northern boundary of Martin Place Plaza to Pitt St. Bank of 2 x 3 A100 and 3 x 3 E85 conduits. Main cable/conduit network with	Yes		170	No		Not affected by current station arrangement. May be affected subject to final station access alignment and construction details for access to 33 Blig St. Tunnel depth and size modelled based on WAC information.	
TE0600	Telstra	See comments	Optic Fibre	Vocus, AAPT, Primus and Soul Comms subducts. Under Hunter St northern footpath between Chiffley Square and Bligh Street.			100	No		Not likely if no works proposed for Hunter Street northern footpath.	
TE0800	Telstra	4 x A100 conduits	Optic Fibre	1 x 4 bank of conduits configuration. Under Bligh St eastern footpath.			36	No		Not affected.	
TE0900	Telstra	2 x P100 conduits	Optic Fibre	Major cable/conduit network under Hunter St and Bligh St intersection.			20	No		Not affected if no works proposed for Castlereagh St and Hunter St intersection and south-eastern corner of the intersection and footpath.	
TE1000	Telstra	3 x G80 conduits	Optic Fibre	Major cable/conduit network under Hunter St and Bligh St intersection.			20	No		Not affected if no works proposed for Castlereagh St and Hunter St intersection and south-eastern corner of the intersection and footpath.	
TE4400	T-1-4	TRO	Pit	Large pit structure at north-western corner of Chifley Square and Hunter St with numerous breakouts and major cables/conduit network. Actual size to				Ne		Not affected if no works proposed for Hunter Street northern footpath. Pit	
TE1100	Telstra	TBC	Pit	be confirmed. Vacant conduit under southern footpath in Hunter St east of intersection with				No		structure with numerous breakouts with major cables through it. Not affected if no works proposed for footpath. In southem footpath of Hunter Street adjacent to building to be demolished for cut and cover	
TE1200	Telstra	P100 conduit	See comments	Castlereagh St. Part single P100 and part 2 x P100 conduits to building at 55 Hunter Street			23	No		access.	
TE1300	Telstra	See comments	Optic Fibre	including communication tower (B101). Vocus cables and subduct through Telstra ducts.	Yes	Demolition	48	Yes	Remove	Affected as it passes through building to be demolished.	Line to be disconnected and communications tower to be rel relocation to be confirmed by Telstra.
TE1400	Telstra	6 x E85 conduits	Optic Fibre	Major cable/conduit network under Castlereagh St eastern footpath south of Hunter St to a pit halfway between Hunter St and Hoskins place in a 2 x 3 bank of conduits configuration with Soul Comms and Vocus subducts.		TSE	58	Yes	Adjust	Affected. In eastern footpath of Castlereagh Street adjacent to building to be demolished, 55 Hunter St.	Will need to be lowered or protected subject to proposed det temporary construction entry location off Castlereagh Street minimum cover requirements.
				Under Castlereagh St eastern footpath from a pit halfway between Hunter St and Hoskins place to a building to be demolished. Part single P100 and part 2 x P100 conduits including an exchange (B64 - Telstra CMTS site).						Affected. In eastern footpath of Castlereagh Street adjacent to building to be demolished. Part of service line to a building to be demolished, Telstra	
TE1500	Telstra	See comments	Optic Fibre	AAPT and Vocus cables and subduct through Telstra ducts. Single P100 conduit with Vocus subduct in western footpath of Elizabeth St	Yes	Demolition	37	Yes	Adjust	CMTS site, to be disconnected. Affected in part. In western footpath of Elizabeth Street adjacent to building	Exchange to be relocated, to be confirmed by Telstra. Will need to be lowered or protected subject to proposed det
TE1600	Telstra	P100 conduit	Optic Fibre	south of intersection with Hunter St and adjacent to 55 Hunter St. Part single P100 and part 2 x P100 conduits with major cable/conduit network. In Elizabeth St western footpath between pit at south-eastern		TSE	32	Yes	Adjust	to be demolished, 55 Hunter St.	minimum cover requirements.
TE1700	Telstra	See comments	Optic Fibre	corner of 55 Hunter St building to a pit at north-eastern corner of Macquarie Bank building.			44	No		Not affected. In western footpath of Elizabeth Street adjacent to building to be demolished. South of proposed temporary construction exit.	
TE1800	Telstra	ТВС	See comments	Conduit size and cable type TBC not shown on Telstra drawings. Telstra exchange site U1-U96 at 7 Elizabeth St.	Yes	Demolition	7	Yes	Remove	Affected due to proposed demolition of 7 Elizabeth St.	Exchange to be relocated, to be confirmed by Telstra.
TE1900	Telstra	2 x P100 conduits	Optic Fibre	Major cable/conduit network with Vocus sub-duct including an exchange at 9- 19 Elizabeth St. Major cable/conduit network under Castlereagh St near 10 Castlereagh St		TSE	13	No		Not affected. Line to existing building to remain.	
TE2000	Telstra	See comments	Optic Fibre	in a 1 x 2 and 2 x 2 A100 conduits configuration with Uecomm and AAPT sub-ducts.			19	No		Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2100	Telstra	P100 conduit	Optic Fibre	Under Castlereagh St adjacent to TE2000. major cable/conduit network.			27	No		Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2200	Telstra	P35 conduit	TBC	Under Castlereagh St eastern footpath adjacent to 10-12 Castlereagh St.			11	No		Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2300	Telstra	6 x E85 conduits	Optic Fibre	Under Castlereagh St eastern footpath from north of Macquarie Bank Building to south of Martin Place Plaza. Major cable/conduit network in a 2 x 3 bank of conduits configuration with Uecomm, Vocus and AAPT sub-ducts.			82	No		Not affected. Assumed asset is not too deep that may clash with the station's most southern end where it passes over proposed passage way. Depth to be confirmed.	
TE2400	Telstra	P50 conduit	Optic Fibre	Service to 12 Castlereagh St.			14	No		Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2500	Telstra	See comments	Optic Fibre	1 x P100, 1 x 2 P100, and 1 x 4 P100 conduits configuration. Line to an exchange (B2 RM1-SE1202) at 12 Castlereagh St.			23	No		Not affected if Castlereagh St and footpath left undisturbed. Service to existing building/shops.	
TE2600	Telstra	See comments	Optic Fibre	1 x 4 P100 and 1 x 4 A100 conduits configuration including AAPT and Vocus sub-ducts. Service to Macquarie Bank building.			47	No		Not affected. Passing through a building to remain.	
TE2700	Telstra	4 x P100 conduits	Optic Fibre	Under Elizabeth St western footpath between north-eastern to south- eastern corner of Macquarie Bank building. Major cable/conduit network in a 2 x 2 bank of conduits configuration with AAPT sub-duct.			61	No		Not affected. In Elizabeth St footpath along building to remain	
TE2800	Telstra	See comments	TBC	Under Elizabeth St western footpath adjacent to TE2700. Conduit size and cable type to be confirmed as not shown on Telstra drawings.			33	No		Not affected. In Elizabeth St footpath along building to remain	
TE2900	Telstra	4 x P100 conduits	Optic Fibre	Through northern side of Martin Place Plaza between Castlereagh St and Elizabeth St comprising of a major cable/conduit network in a 2 x 2 bank of conduits configuration with Vocus, AAPT and Uecomm sub-ducts.		TSE	69	Yes	Adjust	Affected by proposed works for Martin Place Plaza.	Will need to be relocated/diverted outside the area of works. diversion route refer to rote marked up as TE2900_d.
TE3000	Telstra	See comments	Optic Fibre	Line to a Telstra CMTS site at Macquarie Bank building.	Yes			No		Not affected if Castlereagh St and footpath left undisturbed.	
TE3100	Telstra	P100 conduit	TBC	Around north-eastern corner of Castlereagh St and Martin Plaza Plaza intersection.			22	No		Not affected.	
TE3200	Telstra	6 x G85 conduits	Optic Fibre	Through northern side of Martin Place Plaza between Castlereagh St and Elizabeth St and under Castlereagh St comprising of a major cable/conduit network in a 1 x 6 bank of conduits configuration with Vocus, AAPT, Uecomm and Primus sub-ducts.	Yes	TSE	67	Yes	Adjust	Affected by proposed works for Martin Place Plaza.	Will need to be relocated/diverted outside the area of works. diversion route refer to rote marked up as TE3200_d.
TE3300	Telstra	See comments	Optic Fibre	Comms pillar at north-eastern corner of Castlereagh St and Martin Plaza Plaza intersection. Under Elizabeth St western footpath comprising of major cable/conduit				No		Not affected. Assumed pillar outside the skope of works area. May be affected in part where in western footpath of Elizabeth Street	Will need to be lowered or protected subject to proposed det
TE3400	Telstra	6 x P100 conduits	Optic Fibre	network in a 2 x 3 bank of conduits configuration with AAPT, Vocus and Uecomm sub-ducts. Through southern side of Martin Place Plaza between Castlereagh St and		TSE	80	Yes	Adjust	adjacent to building to be demolished, 37-51 Miller St. Depth to be confirmed.	temporary construction exit location onto Elizabeth Street to minimum cover requirements.
TE3500	Telstra	4 x P100 conduits	Optic Fibre	Elizabeth St and under Castlereagh St comprising of a major cable/conduit network in a 1 x 4 bank of conduits configuration with Vocus and Nextgen sub-ducts.		TSE	64	Yes	Protect	Affected by proposed works for Martin Place Plaza.	Will need to be protected and worked around, including pits, temporary partial occupation of Martin Place Plaza between and Elizabeth St.
TE3510	Telstra	2 x P100 conduits	TBC	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.		Demolition	15	Yes	Remove	Affected. Service line to building to be demolished.	Service line to be disconnected and removed.
TE3520	Telstra	2 x P50 conduits	TBC	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.		Demolition	25	Yes	Remove	Affected. Service line to building to be demolished.	Service line to be disconnected and removed.
TE3530	Telstra	4 x P100 conduits	Optic Fibre	Service lines to building / shops, 37-51 Martin Place. Major cable/conduit network.		Demolition	16	Yes	Remove	Affected. Service line to building to be demolished.	Service line to be disconnected and removed.

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details for to comply with	
	Will be removed due to demolition of the building being served. Telstra to be
	contacted.
	Will be removed due to demolition of the building being served. Telstra to
	be contacted. The existing service shall be protected during the construction of the Concourse Connection underneath to maintain the operation of 50 Martin
	Place.
s. For proposed	The current proposal is to re-route through new service corridor in Martin Place Plaza
s. For proposed	The current proposal is to re-route through new service corridor in Martin Place Plaza
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s, during the en Castlereagh St	The current proposal is to re-route through new service corridor in Martin Place Plaza

Sydney Rapid Transit – T UTILITIES MAPPING - Pr				Sydney METRO						
Printed date:	Count			METRO	Total f	or Reference	e Design			
Revision:	208	}				Referen	ice Design			
Sydney Metro Identification Number (IE	Utility Owner	Size	Туре	Utility information Significant (i.e. UG or OH, tunnel etc.) Utility - Y	Contract: Demolition/ Early Works/ TSE/ CentralStr	ldentified Length (m)	Utility affected (Y/N)	Protect/ Adjust. Remove - Utility	Additional information	Scope of adjustment Works of Reference Design
OP0010	Optus	твс	Optic Fibre	Optus owned underground cable and conduit eastern footpath of Bligh St north of intersection with Hunter St and under intersection of Bligh St and Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under		55	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
OP0015	Optus	TBC	Optic Fibre	Hunter St eastbound traffic lanes between Bligh St and Chilfley Square. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.		70	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
				Optus owned underground cable and conduit under Hunter St eastbound traffic lanes between Bligh St and Chifley Square and through Ausgrid conduits under Hunter St and Bligh St intersection. Marked location is approximate as sketched up from information obtained from DBYD and the					Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential	
OP0020	Optus	TBC	Optic Fibre Optic Fibre	alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under eastern footpath of Bligh St north of intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DVD and the cleaner of the science of the configuration obtained from		105	No		future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and over excavation at corner of Hunter and Bligh St is adopted for potential durant link to 0. Bligh O known but bit adopted for potential	
OP0025	Optus	TBC	Optic Fibre	DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under Hunter St westbound traffic lanes between Bligh St and Chifley Square. Marked location is approximate as sketched up from information obtained		42	No		future link to 33 Bligh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bligh St is adopted for potential	
OP0030	Optus	TBC	Optic Fibre	from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Telstra owned conduit under		73	No		future link to 33 Bligh St for potential entrance off O'Connell St.	
OP0040	Optus	твс	Optic Fibre	northern pedestrian crossing of Chilfey Square and Hunter St intersection. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under		22	No		Not affected.	
OP0050	Optus	TBC	Optic Fibre	Hunter St and Elizabeth St intersection and south under Elizabeth St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.		62	No		Not affected.	
OP0060	Optus	твс	Optic Fibre	Optus/Uecomm owned underground cable through Telstra owned conduit under western footpath of Castlereagh St south of intersection with Hunter St heading north under Bligh St/Hunter St/Castlereagh St intersection. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.		88	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance of fO Connell St.	
OP0070	Optus	твс	Optic Fibre	Torm DD Part and the alignment action to be commence. Optus owned underground cable through Ausgrid owned conduit under Castlereagh St to intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.		60	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bilgh St is adopted for potential future link to 33 Bilgh St for potential entrance off O'Connell St.	
OP0080	Optus	твс	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Castlereagh St eastern footpath to intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBVD and the alignment/location to be confirmed.	TSE	90	Yes	Adjust	Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished, 55 Hunter St, including service connections to buildings to be demolished.	Section of cables and conduits will need to be protected or low they pass under the proposed site entry off Castlereagh St for demolition and cut and cover works, refer scope of works for <i>i</i> identified under AG0400. Service connections to disconnected removed.
OP0090	Optus	твс	Optic Fibre	Optus owned underground cable through Ausgrid owned conduit under Bligh St south of intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.		35	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	
OP0100 OP0110	Optus	Optus Tower TBC	See comments Optic Fibre	Optus owned communications tower at 5 Elizabeth Street. Yes Optus owned underground cable part through Ausgrid owned and part through Telstra owned conduits under Bligh St western footpath and intersection with Hunter St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	Demolition	68	Yes	Remove	Affected by proposed building demolition. Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	Communications tower to be relocated.
0-0110	Opius	TBC		Collimited. Optus owned underground cable through Ausgrid owned conduit under Elizabeth St western footpath heading south to Ausgrid pit under Elizabeth St at Martin Place Plaza. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be		00	NO			
OP0120	Optus	TBC	Optic Fibre	confirmed. Optus owned underground cable through Ausgrid owned conduit under Castlereagh St eastern footpath from Martin Place Plaza heading south.		78	No		Not affected.	Section of cables and conduits will need to be protected or low they pass under the proposed site entry off Castlereagh St for
OP0130	Optus	TBC	Optic Fibre	Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	TSE	94	Yes	Adjust	Affected in part. Through eastern footpath in Castlereagh Street and adjacent to building to be demolished.	demolition and cut and cover works, refer scope of works for identified under AG0400. Will need to be relocated due to the temporary partial occupat Place Plaza between Castlereagh St and Elizabeth St. To foll
OP0140	Optus	твс	Optic Fibre	Martin Place Plaza between Castlereagh St and Elizabeth St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	TSE	70	Yes	Adjust	Affected by proposed works for Martin Place Plaza.	route for Ausgrid asset identified under AG0700. Optus will ne advised of the proposed relocation to arrange for their program works.
OP0150	Optus	TBC	Optic Fibre	Martin Place Plaza between Castlereagh St and Elizabeth St. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under	TSE	65	Yes	Protect	Affected by proposed works for Martin Place Plaza.	Will need to be protected and worked around during the temp occupation of Martin Place Plaza between Castlereagh St and refer scope of works for Ausgrid asset identified under AG080
OP0160	Optus	ТВС	Optic Fibre	Elizabeth St western footpath from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed. Optus owned underground cable through Ausgrid owned conduit under		62	No		Not affected.	Conting of applica and conduits will paod to be protected as less
OP0170	Optus	TBC	Optic Fibre	Elizabeth St from Martin Place Plaza heading south. Marked location is approximate as sketched up from information obtained from DBYD and the alignment/location to be confirmed.	TSE	62	Yes	Adjust	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished. Not affected by current station arrangement. May be affected if TE0100 is	Section of cables and conduits will need to be protected or low they pass under the proposed site exit onto Elizabeth St, refer works for Ausgrid asset identified under AG0920.
OC0010	Other Comms	TBC	Optic Fibre	AARNet owned cables through Telstra Tunnel, TE0100. Under Elizabeth Street eastern footpath , then west under Hunter St, and north under Bligh Street. AARNet owned cables through Telstra owned ducts. Under Castlereag		365	No		affected subject to final station access alignment and construction details fo access to 33 Bligh St. Tunnel depth and size modelled based on WAC information.	r
OC0015	Other Comms	TBC	Optic Fibre	Street eastern footpath south of Martin Place Plaza. Service line to building next to 37-51 Martin Place. Amcorn owned cables through Telstra Tunnel, TE0150 and TE0200. Under		32	No		Not affected. Not affected by current station arrangement. May be affected if TE0150 is	
OC0020	Other Comms	TBC	Optic Fibre	Castlereagh Street eastern footpath upto Martin Place Plaza then under Castlereagh Street western footpath to Hunter Street, and north under Bligh Street. NBNCo woned cables under Elizabeth Street eastern footpath then west		295	No		affected subject to final station access alignment and construction details fo access to 33 Bligh St. Tunnel depth and size modelled based on WAC information.	
OC0025	Other Comms	TBC	Optic Fibre	under Hunter Street. To be confirmed if through Telstra ducts or tunnel. Alignment is indicative only as sketched up based on DBYD received drawings and it is to be confirmed.		340	No		Not affected by current station arrangement. May be affected subject to final station access alignment and construction details for access to 33 Bligh St. Tunnel depth and size modelled based on WAC information.	
0C0030	Other Comms	TBC	Optic Fibre	Vocus owned cables through Telstra Tunnel, TE0150. Under Castlereagh Street western footpath, then west under Hunter St. Vocus owned cables through Telstra Tunnel, TE0150. Under Castlereagh		120	No		Not affected.	
OC0035	Other Comms	TBC	Optic Fibre	Street western footpath between Martin Place Plaza and Hoskins Place. NextGen owned cables through Telstra Tunnel, TE0150 and TE0200. Through Martin Place Plaza west of Castlereagh Street, then north under Castlereagh Street western footpath to Hunter Street, and north under Bligh		67	No		Not affected. Not affected by current station arrangement. May be affected if TE0150 is affected subject to final station access alignment and construction details fo access to 33 Bligh St. Tunnel depth and size modelled based on WAC	r
OC0040	Other Comms	TBC	Optic Fibre	Street. Street. Primus Telecom owned cables through Telstra ducts, TE0600. Under Hunter Street northern footpath between Elizabeth Street and Castlereagh		250	No		Information. Not affected by current station arrangement. May be affected if TE0600 is affected subject to final station access alignment and construction details fo access to 33 Bligh St. Tunnel depth and size modelled based on WAC	r
OC0042 OC0044	Other Comms Other Comms	твс	Optic Fibre Optic Fibre	Primus Suret, thorn orth under Bligh Street. Primus Telecom owned cables through Telstra Tunnel, TE0150 and TE0200. Under Castlereagh Street western footpath between Martin Place Plaza and Hunter Street.		120	No		information.	
OC0044 OC0046	Other Comms	TBC	Optic Fibre	Plaza and Hunter Street. Primus Telecom owned cables through Telstra Tunnel, TE0200. Under Castlereagh Street eastern footpath.		160	NO		Not affected.	
				Soul communications owned cable through Telstra duct, TE1400, in western footpath in Bligh St, under Bligh St and Hunter St intersection and service					Affected in part due to proposed demolition of 55 Hunter St. TBC how man	
OC0050	Other Comms	TBC	Optic Fibre	line to 55 Hunter St. Verizon owned cables under Elizabeth Street western footpath then west	Demolition	130	Yes	Remove	and what type of cables run through this conduit.	lowering, refer scope of works for Telstra asset identified unde Will need to be lowered or protected subject to proposed deta
OC0052	Other Comms	TBC	Optic Fibre	under Hunter Street. Alignment is indicative only as sketched up based on DBYD received drawings and it is to be confirmed.	TSE	320	Yes	Adjust	Affected in part. In western footpath of Elizabeth Street adjacent to building to be demolished, 55 Hunter St and 37-51 Martin Pl.	temporary construction exit location onto Elizabeth Street to co minimum cover requirements.

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granning or	Place Plaza
mporary partial and Elizabeth St.	The current proposal is to re-route through new service corridor in Martin
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inder TE1400.	
details for to comply with	

Printed date: Revision: Sydney Metro Identification Number (ID)	Count 208					I otal to	r Reference				
	Utility Owner	Size	Туре	Utility information (i.e. UG or OH, tunnel etc.)	Significant Utility - Y	Contract: Demolition/ Early Works/ TSE/ CentralStn	Referen Identified Length (m)	Utility affected (Y/N)	Protect/ Adjust/ Remove - Utility	Additional information	Scope of adjustment Works of Reference Design
OC0054 C	Other Comms	TBC	Optic Fibre	Verizon owned cables under Castlereagh Street western footpath to Hunter Street, and north under Bligh Street. Verizon duct under Martin Place Plaza between Castlereagh Street and			245	No		Not affected by current station arrangement. May be affected subject to final station access alignment and construction details for access to 33 Bligh St.	
OC0056 C	Other Comms	TBC	Optic Fibre	Elizabeth Street adjacent to Macquarie Bank Building. Offset from building and location to be confirmed as only scketched up based on drawing information from DBYD. Verizon duct under Martin Place Plaza between Castlereagh Street and		TSE	66	Yes	Adjust	Affected due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works.	Will need to be relocated/diverted outside the area of works. F diversion route refer to rote marked up as OC0056_d. Diversion confirmed by Verizon.
OC0058 C	Other Comms	TBC	Optic Fibre	Elizabeth Street adjacent to 37-51 Martin Place. Offset from building and location to be confirmed as only scketched up based on drawing information from DBYD. AAPT owned duct(s) and cable(s) under Castlereagh St eastern footpath		TSE	66	Yes	Protect	Affected due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover works.	Will need to be protected and worked around during the tempo occupation of Martin Place Plaza between Castlereagh St and Service to building to be demolished will need to be disconnec
OC0060 C	Other Comms	TBC	Optic Fibre	adjacent to 55 Hunter St and service line to 55 Hunter St including joint 'j1806/0497" in substation SUB1664, rack, media convertor, Metro 100 and Rectifier. AAPT cable(s)through Telstra ducts under Castlereagh St eastern footpath		Demolition	12	Yes	Remove	Affected in part due to proposed demolition of 55 Hunter St and removal of substation. TBC how many and what type of cables run through this conduit.	lowering to comply with minimum cover requirements.
OC0070 C	Other Comms	TBC	Optic Fibre	adjacent to 8-12 Castlereagh St and service line to Castlereagh St including rack, Metro 100. AAPT owned pit, duct and cable, including joint "j3977", under Castlereagh		Demolition	48	Yes	Remove	Affected in part due to proposed demolition of 8-12 Castlereagh St. TBC how many and what type of cables run through this conduit.	Service to building to be demolished will need to be disconnec removed.
	Other Comms	TBC	Optic Fibre	Street eastern corner of intersection with Martin Place Plaza. AAPT cable through non AAPT duct to 39 Martin Place, including joint "j3682 and j3683", under Martin Place Plaza adjacent to 37-51 Martin		Demolition	18	Yes	Adjust	Affected in part due to the proposed demolition of 37-51 Martin Place. Affected due to the proposed demolition of 37-51 Martin Place and temporary partial occupation of Martin Place between Elizabeth Street and	Service line to be disconnected and cables removed to AAPT
OC0090 C	Other Comms	TBC	Optic Fibre	Place. AAPT cable(s) through non AAPT duct under Elizabeth Street western		Demolition	40	Yes	Adjust	Castlereagh Street for cut and cover works. Affected in part due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover	Service line to be disconnected and cable removed to Castler Affected length of cables to be removed and terminated outsi
	Other Comms	TBC	Optic Fibre	footpath north of Martin Place Plaza and under Martin Place Plaza. AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath south of Martin Place Plaza and under Martin Place Plaza including		TSE	55	Yes	Adjust	works. Affected due to the proposed demolition of 37-51 Martin Place and temporary partial occupation of Martin Place between Elizabeth Street and	works area.
	Other Comms Other Comms	TBC TBC	Optic Fibre Optic Fibre	joint "j 1794" in substation SUB 395. AAPT cable(s) through non AAPT duct under Elizabeth Street western footpath south of Martin Place Plaza to 39 Martin Place.		Demolition	60 40	Yes	Remove	Castlereagh Street for cut and cover works. Affected in part due to the proposed demolition of 37-51 Martin Place.	Service line to be disconnected and cable removed. Affected length of cables be removed and terminated outside works area.
				Part AAPT owned duct and cable under Elizabeth Street western footpath north of intersection with Martin Place Plaza, and part AAPT cable(s) through non AAPT duct under Elizabeth St and Martin Place Plaza		Demolition		Yes	Adjust		WUINS alled.
OC0130 C	Other Comms	TBC	Optic Fibre	intersection. AAPT cables(s) through non AAPT duct under intersection of Martin Place Plaza with Elizabeth Street and under Martin Place Plaza west of Elizabeth			85	No		Not affected. Affected in part due to the proposed temporary partial occupation of Martin Place between Elizabeth Street and Castlereagh Street for cut and cover	
OC0140 C	Other Comms	TBC	Optic Fibre	St.		TSE	45	Yes	Adjust	works.	Affected length of be removed and terminated outside scope of
OC0150 C	Other Comms	TBC	Optic Fibre	AAPT cables(s) through non AAPT duct under Castlereagh Street eastern footpath north of Martin Place Plaza and under Martin Place Plaza between Castlereagh St and Elizabeth St adjacent to Macquarie Bank Building.			65	No		Not affected. Not affected by current station arrangement. Will be affected if cut and	
JE0100 J	Jemena	100mm	High Pressure	Steel main, secondary main 1050 kPa. Under Hunter St westbound lanes between Pitt St and Castlereagh St. 75mm nylon main inserted into 6 inch cast iron main, network main 7 kPa. Under Castlereagh St northbound lanes from south of Martin Place Plaza to	Yes		150	No		for an experimentation at comer of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	Station arrangement to be confirmed to inform scope of adjus if needed.
JE0150 J	Jemena	75mm NY	Medium Pressure	intersection with Hunter St. 75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa.			225	No		Not affected.	
JE0160 J	Jemena	75mm NY	Medium Pressure	Along northern side of Martin Place Plaza to the west of the intersection with			73	No		Not affected.	
JE0170 J	Jemena	75mm NY	Medium Pressure	with Castlereagh St.			70	No		Not affected.	
JE0200 J	Jemena	100mm	High Pressure	Steel main, secondary main 1050 kPa. Under Hunter St westbound lanes and under Elizabeth St including service connection off Elizabeth St to 55 Hunter St.	Yes	Demolition	110	Yes	Remove	Affected in part, service to building to be demolished.	Service to building to be disconnected and removed. Gas mai Hunter St not affected by current station arrangement. Will be and cover excavation at corner of Hunter and Bligh St is adop potential future link to 33 Bligh St for potential entrance off O'
	Jemena	110mm NY		110mm nylon main inserted into 12 inch cast iron main, network main 7 kPa. Under Castlereagh St southbound lanes from intersection with Hunter St to south of intersection with Martin Place Plaza.			225	No		Not affected.	
JE0260 J	Jemena	75mm NY	Low Pressure	Network main 7 kPa. Stub to Martin Place Plaza at north-eastern corner of Martin Place Plaza and Castlereagh St intersection. Steel main, secondary main 1050 kPa. Under Elizabeth St south of		TSE	13	Yes	Remove	Affected by the temporary partial occupation are of Martin Place Plaza between Castlereagh St and Elizabeth St.	To be disconnected and removed during the proposed cut and for Martin Place Plaza and reinstated at completion of works. disconnection, removal and reinstatement is to be confirmed be
JE0300 J	Jemena	100mm	High Pressure	intersection with Hunter St. 75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa.	Yes		115	No		Not affected.	
JE0350 J	Jemena	75mm NY	Low Pressure	Under Hunter St southern footpath and westbound lanes between Castlereagh St and Elizabeth St, and under Elizabeth St western footpath/northbound lanes from intersection of Hunter St and Elizabeth St to north of intersection of Elizabeth St and Martin Place Plaza.		TSE	200	Yes	Adjust	Affected in part where under western footpath in Elizabeth Street and adjacent to building to be demolished.	Section of gas main will need to be protected or lowered when under the proposed site exit onto Elizabeth St to comply with r cover requirements.
JE0360 J	Jemena	200mm	Low Pressure	Network main 7 kPa. Under Elizabeth St northbound lanes at intersection with Martin Place Plaza.			68	No		Not affected by current station arrangement. Will be affected if proposed cut and cover option is adopted for station entry tunnel and will require diversion or protection.	Station arrangement to be confirmed to inform scope of adjus if needed.
				Network main 7 kPa. Under Elizabeth St western footpath south of						Affected in part. Through western footpath in Elizabeth Street and adjacent	Section of main will need to be protected or lowered where it the proposed site exit onto Elizabeth St to comply with minimu
JE0370 J	Jemena	75mm NY	Low Pressure	intersection with Martin Place Plaza. Steel main, secondary main 1050 kPa. Under Bligh St north of Hunter St		TSE	35	Yes	Adjust	to building to be demolished.	requirements. Section of main will need to be protected or lowered where it the proposed site entry from Castlereagh St to comply with mi requirements. The service connection to be disconnected and Where the gas main passes under Hunter St it is not affected station arrangement. Will be affected if cut and cover excavati
JE0400 J	Jemena	150mm	High Pressure	and under Castlereagh St eastern footpart to south of intersection with Martin Place Plaza including service connection to 37-51 Martin Place.	Yes	TSE	297	Yes	Adjust	Affected in part where under eastern footpath in Castlereagh Street and adjacent to building to be demolished.	of Hunter and Bligh St is adopted for potential future link to 33 potential entrance off O'Connell St.
150.00	1	75mm NY	Low Pressure	75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa. Under Bligh St eastern footpath at intersection with Hunter St.						Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential forms list a 20 Blich of for activity activity and the state of Blich St.	Station arrangement to be confirmed to inform scope of adjus if needed.
	Jemena Jemena	110mm NY	Low Pressure	110mm nylon main inserted into 12 inch cast iron main, network main 7 kPa. Under Bligh St western footpath at intersection with Hunter St.			55 70	No		future link to 33 Bigh St for potential entrance off O'Connell St. Not affected by current station arrangement. Will be affected if cut and cover excavation at comer of Hunter and Bigh St is adopted for potential future link to 33 Bigh St for potential entrance off O'Connell St.	Station arrangement to be confirmed to inform scope of adjus if needed.
JE0430 J	Jemena	110mm NY	Low Pressure	110mm nylon main inserted into 6 inch cast iron main, network main 7 kPa. Under Hunter St eastbound lanes to intersection with Castlereagh St between Pitt St and Castlereagh St.			138	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.	Station arrangement to be confirmed to inform scope of adjus if needed.
JE0435 J	Jemena	75mm NY	Low Pressure	75mm nylon main inserted into 4 inch cast iron main, network main 7 kPa. Under Hunter St westbound lanes between Pitt St and Castlereagh St.			100	No		Not affected.	
JE0440 J	Jemena	110mm NY	Low Pressure	Network main 7 kPa. Under Hunter St westbound lanes under and west of intersection with Castlereagh St. 110mm nyion main inserted into 6 inch cast iron main, network main 7 kPa.			35	No		Not affected.	
	Jemena	110mm NY	Low Pressure	Under Hunter St northern footpath between Castlereagh St and Elizabeth St, and under Chifley Square western footpath. Network main 7 kPa. Under Hunter St eastbound lanes under and east of			60	No		Not affected.	
	lemena	110mm NY	Low Pressure	intersection with Elizabeth St. Network main 7 kPa. Under Elizabeth St south of intersection with Hunter St			40 23	No		Not affected.	
	Jemena	110mm NY	Low Pressure	St. 110mm nylon main inserted into 6 inch cast iron main, network main 7 kPa. Under Elizabeth St eastern footpath between Hunter St and south of Martin Place Plaza.			23	No		Not affected.	
	Jemena	100mm	High Pressure	Steel main, secondary main 1050 kPa. Under Castlereagh St at intersection with Hoskins Place.	Yes	1	200	No		Not affected.	
	Jemena	150mm	High Pressure	Steel main, secondary main 1050 kPa. Under Castlereagh St north of Hoskins Place.	Yes		20	No		Not affected.	
WW0200 S	SWC - Sewer	DN225 VC		Under Hunter St between Castlereagh St and Elizabeth St.			63	No		Not affected by current station arrangement. Will be affected if proposed cut and cover option is adopted for station entry tunnel and will require diversion or protection.	
WW0300 S	SWC - Sewer	Varied	See comments	Under Castlereagh St. Part 711 x 1066 Conc and 914 x 1371 Brick.	Yes		506	No		Not affected based on current station layout proposal, Reference Design Check Prints dated 1/2/16. It is assumed the cavern/tunnel is mined undermeath the asset. May be affected if option for a cut and cover tunnel under Bilgh Street is adopted and it may require diversion or protection.	

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ign	New or Alternative Scope of adjustment Works deviated from the Reference Design
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ersion route to be	The current proposal is to re-route through new service corridor in Martin Place Plaza
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mporary partial and Elizabeth St.	The current proposal is to re-route through new service corridor in Martin Place Plaza
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Sydney Rapid Transit – Technical Services											
UTILITIES MAPPING - Project James Printed date: Count				METRO Total for Reference Design							
Printed date: Revision:	Count 208			Total for Reference Design							
Sudnov Motro	Utility Owner	Size	Tune	Utility information Significant	Contract:	Reference	Design Jtility affected	Protect/ Adjust/	Additional information	Scope of adjustment Works of Reference Design	New or Alternative Scope of adjustment Works deviated from the Reference
Sydney Metro Identification Number (ID))	3128	Туре	Utility information Significant (i.e. UG or OH, tunnel etc.) Utility - Y	Demolition/ Early Works/ TSE/ CentralStn	Length (m)	(Y/N)	Remove - Utility	Additional monnation	Scope of adjustment works of Relevance Design	Design
WW0350	SWC - Sewer	DN300 VC		Under Elizabeth St at intersection with Martin Place Plaza.		90	No		Not affected.		
										Approx. 6.8-5.8m deep through Martin Place Plaza based on SWC WAC	
WW0400	SWC - Sewer	DN300 VC		Under Elizabeth St north of Martin Place Plaza and under Martin Place Plaza adiacent to Macquarie Bank building to Castlereagh St.	TSE	61	Yes	Protect	May be affected by proposed works for Martin Place Plaza.	plans, alignment of sewer to be confirmed. Likely to need protection during the temporary partial occupation of Martin Place Plaza for cut and cover and tunneling works between Castlereagh St and Elizabeth St.	Will be reconstructed to align with building design.
WW0400	SWC - Sewer	DN300 VC		Praza adjacenit to wacquare Bank building to Castlereagh St. Under Castlereagh St eastern footpath at Martin Place Plaza	TSE	110	No	Protect	Not affected.		win be reconstructed to angli with building design.
WW0450	SWC - Sewer	711mm x 1066mm Tunnel		Under Martin Place Plaza west of Castlereagh St. Yes		350	No		Not affected.		
WW0460	SWC - Sewer	DN300 VC		Under Martin Place Plaza halfway between Castlereagh St and Pitt St.		28	No		Not affected.		
PW0050	SWC - Water	DN250 CICL		Under western footpath at Chifley Square.		58	No		Not affected.		
PW0100	SWC - Water	DN150 CICL		Under eastern footpath in Bligh St.		50	No		Not affected.		
PW0200	SWC - Water	DN250 CICL		Under northern footpath in Hunter St between Bligh St and Chifley Square.		61	No		Not affected.		
PW0300	SWC - Water	DN300 CICL		Under Hunter St westbound lanes between Elizabeth St and Castlereagh St		64	No		Not affected. Under Hunter St carriageway.		
PW0400	SWC - Water	DN250 CICL		Under Hunter St westbound lanes between Elizabeth St and Castlereagh St		64	No		Not affected.		
				Under Castlereagh St eastern footpath between Hunter St and south of					Affected in part where under eastern footpath in Castlereagh Street and	Section of main will need to be protected or lowered where it passes under the proposed site entry off Castlereagh St for building demolition and cut	
PW0500	SWC - Water	DN250 CICL		Martin Place Plaza.	TSE	295	Yes	Adjust	adjacent to building to be demolished.	and cover works to comply with minimum cover requirements.	
PW0510	SWC - Water	DN250 CICL		Under Elizabeth St south of intersection with Hunter St.		20	No		Not affected.	Section of main will need to be protected or lowered where it passes under	
PW0520	SWC - Water	DN450 CICL		Under Elizabeth St western footpath between Hunter St and south of Martin Place Plaza.	TSE	240	Yes	Adjust	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished, 55 Hunter St.	requirements.	
PW0530	SWC - Water	DN200 CICL		Under Castlereagh St western footpath between Hunter St and south of Martin Place Plaza.		188	No		Not affected.	Section of main will need to be protected or lowered where it passes under	
PW0540	SWC - Water	DN150 CICL		Under Martin Place Plaza south side and under Elizabeth St western footpath.	TSE	65	Yes	Adjust	Affected in part. Through western footpath in Elizabeth Street and adjacent to building to be demolished.		
				Stormwater junction of 3 lines over 710 x 1070 brick SW line under Bligh St							
SW0100	SWC - Stormwater	DN225	See comments	north of Hunter St.		25	No		Not affected if stormwater tagged under SW0700 left undisturbed. Not affected by current station arrangement. Will be affected if cut and cover exeavation at comer of Hunter and Bilgh St is adopted for potential		
SW0150	SWC - Stormwater	Varied	See comments	150mm VC and 225mm VC pipes under Bligh St. Western footpath.		41	No		future link to 33 Bligh St for potential entrance off O'Connell St. Not affected as it appears to pass over SW0700. Not affected by current		
SW0200	SWC - Stormwater	TBC		Under Hunter St and Chifley Square/Phillip St north of intersection with Hunter St.		247	No		station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
SW0250	SWC - Stormwater	TBC		Under Hunter St and Elizabeth St intersection.		45	No		Not affected.		
									Not affected as it appears to pass over SW0700. Not affected by current station arrangement. Will be affected if cut and cover excavation at corner		
SW0300	SWC - Stormwater	DN400 VC		Under Hunter St eastbound lanes between Castlereagh St and Elizabeth St.		115	No		of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St. Pipe passes over proposed station passageways and platforms. Depth		
		711mm x 1066mm		Heritage listed stormwater under Elizabeth St. Requires 3m curtilage/exclusion zone around asset. Part of the Bennelong Stormwater					calculated based on SWC WAC plans. Not affected based on current station layout proposal, Reference Design Check Prints dated 1/2/16. It is		
SW0350	SWC - Stormwater	Brick Tunnel		Channel Network. Yes		340	No		assumed the cavern/tunnel is mined underneath the stormwater. Not affected as it appears to pass over SW0700. Not affected by current		
SW0400	SWC - Stormwater	DN225 VC		Under Hunter St and Bligh St/Castlereagh St intersection.		27	No		station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
3110400	SWC - Stornwater	DIN225 VC				21	INO		Not affected as it appears to pass over SW0700. Not affected by current station arrangement. Will be affected if cut and cover excavation at corner		
SW0450	SWC - Stormwater	DN225 VCP		Under Hunter St and Bligh St/Castlereagh St intersection.		8	No		of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
SW0460	SWC - Stormwater	DN225 VCP		Drain under telecom tunnel under Castlereagh St.		166	No		Not affected by current station arrangement. Will be affected if cut and cover excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St.		
070400	SvvC - Stoffiwater	DI11223 VUP				100	UNI		natione minit to be bright of the potential effit drive of the continent of		
SW0500	SWC - Stormwater	DN225 VCP		Under Hunter St and Bligh St/Castlereagh St intersection.		15	No		Not affected. Not affected by current station arrangement. Will be affected if cut and		
SW0600	SWC - Stormwater	DN100 VCP		Under Hunter St east of intersection with Castlereagh St / Bligh St.		10	No		over excavation at corner of Hunter and Bligh St is adopted for potential future link to 33 Bligh St for potential entrance off O'Connell St. Pipe passes over proposed station passageways and platforms. Depth		
									Pipe passes over proposed station passageways and platforms. Depth calculated based on SWC WAC plans. Not affected based on current station layout proposal, Reference Design Check Prints dated 1/2/16. It is		
		710mm x 1070mm		Heritage listed stormwater under Castlereagh St. Size changes along alignment. Requires 3m curtilage/exclusion zone around asset. Part of the					assumed the cavern/tunnel is mined underneath the asset. May be affected if option for a cut and cover tunnel under Bligh Street is adopted and it may		
SW0700	SWC - Stormwater	Brick Tunnel		Bennelong Stormwater Channel Network. Yes Stormwater junction under Castlereagh St south of intersection with Hunter		545	No		require diversion or protection.		
SW0800 SW0900	SWC - Stormwater SWC - Stormwater	Varied Varied		St comprising of a number of stormwater connections. Stormwater junction under Castlereagh St north of intersection with Hoskins Place comprising of a number of stormwater connections.		20	No		Not affected.		
SW 1000	SWC - Stormwater	TBC		Prace comprising or a number or stormwater connections. Under Castlereagh St eastern footpath south of and under intersection with Martin Place Plaza.		90	No		Not affected.		
SW1100	SWC - Stormwater	твс		Drain under telecom tunnel in Martin Place Plaza west of Castlereagh St.		62	No		Not affected.		
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SW1120	SWC - Stormwater	DN225 VCP		Under Martin Place Plaza west of Castlereagh St.		50	No		Not affected.		
SW1140	SWC - Stormwater	DN225 VCP		Under Martin Place Plaza west of Castlereagh St.		58	No		Not affected.	Will need to be removed during the temporary partial occupation of Martin	
Co0010	Storm (City Of Sydney)	DN375		Existing stormwater line through Martin Place Plaza on northern side between Elizabeth Street and Castlereagh Street.	TSE	38	Yes	Remove	Affected by proposed works for Martin Place Plaza.	Place Plaza between Castlereagh St and Elizabeth St and reinstated when works are complete.	
Co0020	Storm (City Of Sydney)	DN375		Existing stormwater line through Martin Place Plaza on southern side between Elizabeth Street and Castlereagh Street.	TSE	38	Yes	Remove	Affected by proposed works for Martin Place Plaza.	Will need to be removed during the temporary partial occupation of Martin Place Plaza between Castlereagh St and Elizabeth St and reinstated when works are complete.	
Co0030	Storm (City Of Sydney)	DN375		between Elizabeth Street and Castlereagh Street. Stormwater under Castlereagh St eastern kerbline at intersection with Martin Place Plaza.		33	No		Not affected.		