Appendix B

Combined Services Plan

LEGEND

- BH BOREHOLE
- TREE TRUNK
- TREE FOLIAGE
- STREET SIGN

ELECTRIC
- ELEC CABLE JUNCTION BOX
- EC ELEC CABLE MARKER
- ELEC PILLAR
- EMH CABLE MANHOLE
- ELEC POLE LIGHT
- EP ELEC POWER POLE
- LIGHT POLE
- EJB ELEC JUNCTION BOX
- EMH CABLE MANHOLE

GAS
- HP GAS MARKER
- GAS TEST POINT
- GAS VALVE BOX

WATER
- FIRE HYDRANT
- WH HYDRANT
- STOP VALVE
- WATER TAP

SEWER
- SLH SEWER LAMPHOLE COVER
- SEWER MANHOLE

STORMWATER
- GULLY PIT
- DRAINAGE JUNCTION MANHOLE

COMMUNICATION
- TDP TELEPHONE DISTRIBUTION PILLAR
- OFP FIBER OPTIC PIT
- TELEPHONE PIT
- TWIN TELEPHONE PIT
- OJB OPTICAL FIBER JUNCTION BOX

TRAFFIC
- TRAFFIC LIGHTS
- TSC TRAFFIC SIGNAL JUNCTION BOX
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC CONTROL SIGNAL

MISCELLANEOUS
- ? UNKNOWN SERVICE
- GAT GATIC LID
- PARKING METER
- BIN RUBBISH BIN
- GATE
- MAIL BOX
- BH BUS SHELTER
- TX TELEPHONE BOX
- VC VEHICLE CROSSING
- 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.

SERVICES CONNECTING SURFACE INDICATORS LOCATED BY FIELD SURVEY ARE PLOTTED TO QUALITY LEVEL C	SERVICES DIGITISED FROM DBYD PLANS SHOWN BY PINK COLOURED LINES ARE PLOTTED TO QUALITY LEVEL D
GAS MAIN	GAS MAIN
ELECTRICITY	ELECTRICITY
OPTIC FIBRE	OPTIC FIBRE
COMMUNICATIONS	COMMUNICATIONS
SEWER MAIN	SEWER MAIN
TRAFFIC CONTROL SIGNALS	TRAFFIC CONTROL SIGNALS
WATER MAIN	WATER MAIN
	ELECTRICITY SUBSTATION OR UNDERGROUND CHAMBER DIGITISED

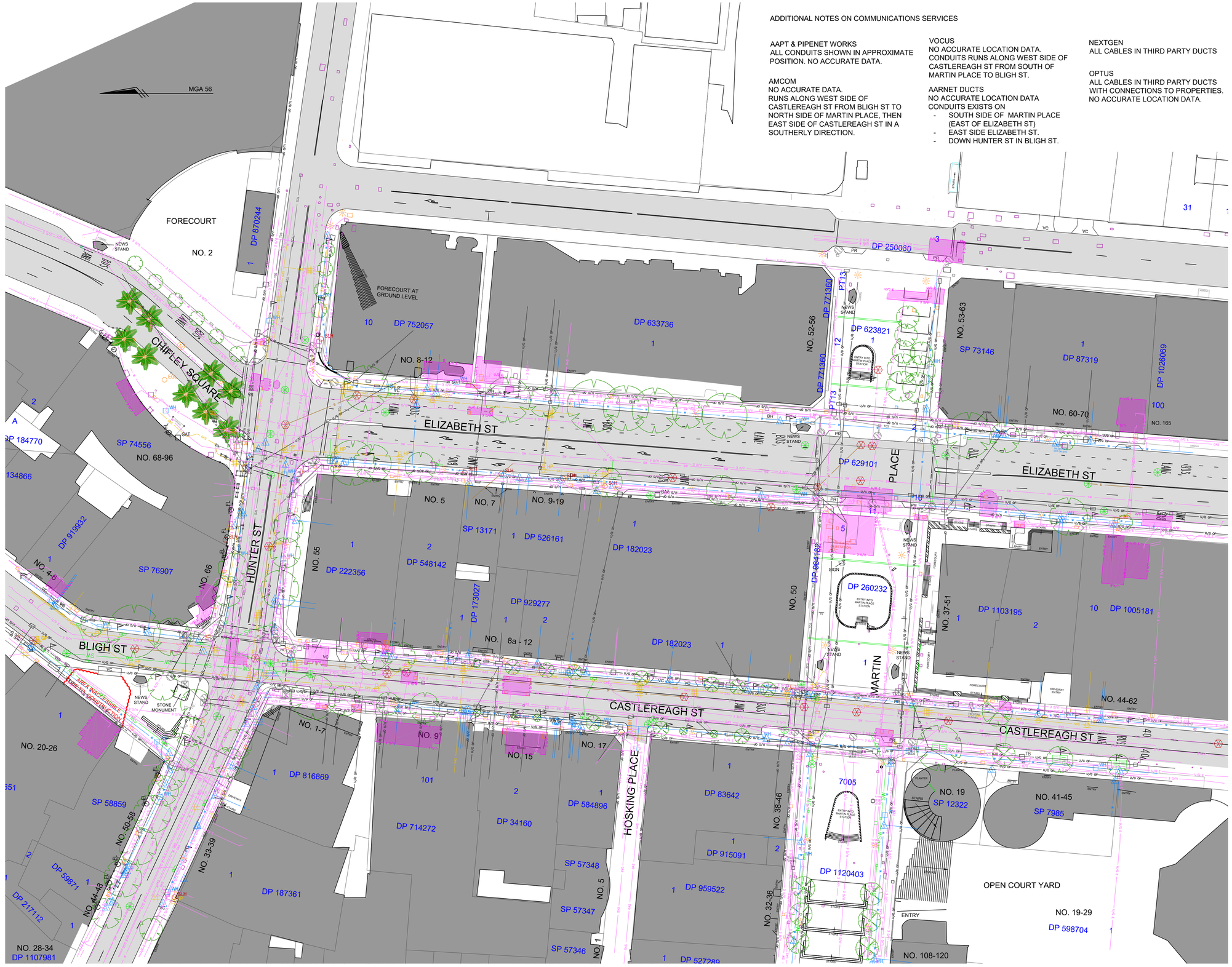
QUALITY LEVELS BY AUSTRALIAN STANDARD
QUALITY LEVEL CLASSIFICATIONS REFLECT THE PRECISION AND ACCURACY OF UTILITY LOCATION AND ATTRIBUTE INFORMATION PURSUANT TO AS5488-2013, CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION. THERE ARE 4 QUALITY LEVELS:

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 ±50MM. 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.



ADDITIONAL NOTES ON COMMUNICATIONS SERVICES

AAPT & PIPENET WORKS
ALL CONDUITS SHOWN IN APPROXIMATE POSITION. NO ACCURATE DATA.

AMCOM
NO ACCURATE DATA.
RUNS ALONG WEST SIDE OF CASTLEREAGH ST FROM BLIGH ST TO NORTH SIDE OF MARTIN PLACE, THEN EAST SIDE OF CASTLEREAGH ST IN A SOUTHERLY DIRECTION.

VOCUS
NO ACCURATE LOCATION DATA.
CONDUITS RUNS ALONG WEST SIDE OF CASTLEREAGH ST FROM SOUTH OF MARTIN PLACE TO BLIGH ST.

AARNET DUCTS
NO ACCURATE LOCATION DATA
CONDUITS EXISTS ON
- SOUTH SIDE OF MARTIN PLACE (EAST OF ELIZABETH ST)
- EAST SIDE ELIZABETH ST.
- DOWN HUNTER ST IN BLIGH ST.

NEXTGEN
ALL CABLES IN THIRD PARTY DUCTS

OPTUS
ALL CABLES IN THIRD PARTY DUCTS WITH CONNECTIONS TO PROPERTIES.
NO ACCURATE LOCATION DATA.

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
B	11.02.2016	ADDITIONAL SURVEY COMPLETE. SERVICES ROUTES ADDED.			
A	25.01.2016	INITIAL VERSION - POSITION OF UNDERGROUND SERVICES ROUTES TO BE REVIEWED AND SUPPLIED IN NEXT PLAN REVISION	ZHY	JC	ADP

HORIZ. SCALE: 1:500
VERT. SCALE: N/A @ A1
COORDINATES: MGA
DATUM: AHD
ORIGIN: PM147421
ORIGIN: PM147421
10 5 0 10 20 30
SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: NSW GOVERNMENT Transport for NSW

SURVEY:	JC	DATE OF SURVEY	04.01.2016
DRAWN:	ZHY	DATE OF PLAN:	25.01.2016
CHECKED:	JC	DATE LAST SAVED:	22.02.2016
APPROVED:	ADP	DATE APPROVED:	25.01.2016

TITLE
SYDNEY METRO CITY AND SOUTH WEST
Topographic Detail Survey - Martin Place Station

DRAWING No PR124856-27-Martin Place STN-B.dwg

JOB No PR124856
www.dialbeforeyoudig.com.au DIAL 1100 BEFORE YOU DIG
ISSUE B
SHEET 1 OF 1 SHEETS
SIZE A1

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NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- EH — HOUSE CONNECTION (EY)
- EC — CONDUIT (ED)
- EZ — LINE-DIGITISED (EZ)
- EU — LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TRAFFIC SIGNAL DETECTOR (SD)

E COMMS (COMMUNICATIONS)
- TELEPHONE DISTRIBUTION PILLAR (PTDP)
- ABOVE GROUND JOINING POST (PTJP)
- OPTICAL FIBRE JUNCTION BOX (POFJ)
- OPTICAL FIBRE PIT (POFP)
- STD 1.1 m BY 1.1 m MAIN PIT (PTMP)
- TELEPHONE BOX POINT (PTBX)
- TELEPHONE SINGLE CONCRETE PIT (PTSP)
- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
- TELEPHONE TWIN CONCRETE PIT (PTTP)
- OZ — OPTICAL FIBRE-DIGITISED (OZ)
- OU — OPTICAL FIBRE-UNDERGROUND (UZ)
- T — TELEPHONE LINE (TN)
- TZ — TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
- MANHOLE COVER (PGHL)
- METER (PGMR)
- PIPELINE MARKER (PGPM)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- VENT PIPE (PGVP)
- TEST POINT (PGTP)
- EG — ETHANE PIPELINE (HA)
- GH — HOUSE CONNECTION (DG)
- GZ — MAIN-DIGITISED (ZG)
- HG — MAIN-HIGH PRESSURE PIPELINE (HG)
- LG — MAIN-LOW PRESSURE (LG)

E WATR
- AIR VALVE (PWAV)
- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HYDRANT (PWHY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- WH — HOUSE CONNECTION (WY)
- W — MAIN (WM)
- WZ — MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- S — MAIN (SM)
- SZ — MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT POINT (PGUL)
- INLET TO SUMP (PILT)
- INVERT OF PIPE (PINV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DP — DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- Ø? — DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FLOOR LEVEL
- CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNIDENTIFIED POLE (PPOL)
- UNIDENTIFIED SERVICE (PUSR)
- ?P — UNIDENTIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D
- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

UTILITY LEGEND

ELECTRICITY (AUSGRID):

AC	ASBESTOS CEMENT
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE

GAS (JEMENA):

NB	NOMINAL BORE (CAST IRON MAN)
PE	POLYETHYLENE

RMS:

GI	GALVANISED IRON
HD	HEAVY DUTY
PVC	POLYVINYL CHLORIDE

TELSTRA & OPTUS:

AC	ASBESTOS CEMENT
CONC.	CONCRETE
EW	EARTHENWARE
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE

WATER (SYDNEY WATER):

CICL	CAST IRON CEMENT LINED
DICL	DUCTILE IRON CEMENT LINED
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE
VC	VITRIFIED CLAY
SCLIBL	STEEL CEMENT LINED INTERNAL BITUMEN LINED

LEGEND

- SURVEY CONTROL MARK
- TELSTRA PIT - DOUBLE
- TELSTRA PIT - SINGLE
- WATER HYDRANT
- WATER STOP VALVE
- WATER TAP
- SEWER PIT (<1m)
- SEWER LAMPHOLE
- SEWER VENT PIPE
- POWER POLE
- LIGHT
- ELECTRIC LIGHT POLE
- ELEC. PILLAR
- SMALL ELEC. PIT(<1m)
- SEWER LAMPHOLE
- POWER POLE
- TELEPHONE
- UNIDENTIFIED FEATURE
- MISC. UNKNOWN PIT (<1m)
- GAS VALVE BOX
- H.P. GAS PIPELINE MARKER
- GRATED DRAINAGE PIT
- GRATED DRAINAGE PIT- ROUND
- GRATED DRAINAGE PIT LID
- SQUARE DRAINAGE PIT
- ROUND DRAINAGE PIT
- BOLLARD
- SIGN
- RUBBISH BIN
- PARKOMETER
- FLAG POLE
- TRAFFIC PIT/JUNCTION BOX
- TRAFFIC LIGHT
- SURVEY SHOT CROSS

×10.75	SURVEY SHOT R.L.
32.98TK	TOP OF KERB (CONC.) R.L.
32.77G	GUTTER FLOW LINE (CONC.) R.L.
32.80LP	LIP OF KERB (CONC.) R.L.
25.57PR	PRAM RAMP R.L.
21.59VC	VEHICLE CROSSING R.L.
36.62TW	TOP OF WALL R.L.
35.75BW	BOTTOM OF WALL R.L.
27.20FL	FLOOR LEVEL R.L.
21.64AW	AWNING R.L.
19.63CO	COLUMN R.L.
26.24EM	EDGE OF MEDIAN R.L.
26.36TM	TOP OF MEDIAN R.L.
DR.	DRAINAGE PIT
UKN	UNKNOWN PIT
WCM	WORLDCOM
TRF	TRAFFIC SIGNAL JUNCTION BOX
TEL PIT	TELSTRA PIT

- BOUNDARY SITE
- APPROXIMATE ADJOINING BOUNDARY
- EASEMENT BOUNDARY
- TRAFFIC LINE MARK–BROKEN
- TRAFFIC LINE MARK–CONTINUOUS
- DENOTES MAJOR CONTOUR
- DENOTES MINOR CONTOUR
- TREE S10.0 =SPREAD, 1.0ø =DIAMETER, H10.0 =HEIGHT

SHEET AREA: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

DISCLAIMER:

THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY.

THIS INFORMATION WAS COMPILED FROM A COMBINATION OF FIELD TECHNIQUES AND AVAILABLE DATA FROM COOPERATING UTILITY AUTHORITIES. WHILST ALL CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS SURVEY MODEL, RPS CANNOT GUARANTEE THAT THE SURVEY MODEL IS WITHOUT FLAW OR OMISSIONS. RPS CANNOT TAKE RESPONSIBILITY OF ANY KIND WHATSOEVER FOR ANY LOSS, DAMAGE OR OTHER CONSEQUENCES WHICH MAY ARISE FROM ANY PERSON RELYING ON ANY THING STATED ON THIS PLAN.

IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

- (J) RIGHT OF WAY 1 WIDE - V75456
- (K) EASEMENT FOR ELECTRICITY PURPOSES OVER EXISTING C02-0.03 DRAIN PIPE - V75456
- (L) EASEMENT FOR ELECTRICITY PURPOSES VARIABLE WIDTH - V75456
- (M) EASEMENT FOR ELECTRICITY PURPOSES OVER EXISTING PIT & LINE OF DUCTS - V75456
- (X) EASEMENT FOR RAILWAY TRANSIT SHOWN ON DP577984 (VIDE GAZ 21 FOL.592 13-2-76
- (Y) EASEMENT FOR RAILWAY PURPOSES VIDE F822764
- (Z) EASEMENT FOR RAILWAY PURPOSES VIDE F606224

NOTES:

1. THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-MARTIN_PLACE_UTILITIES_SURVEY FIRST PRODUCED ON 28.09.2017.
2. ANY ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.
3. RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
4. ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
5. UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
6. SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
7. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
10. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT.
11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_TITLE) ARE BY SURVEY AS SHOWN IN PPN DP1232469 (UNREGISTERED - SUBJECT TO REGISTRATION AT LPI NSW).

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DEPOSITED_PLAN) ARE ORIGINAL PLAN DIMENSIONS TAKEN FROM THE FOLLOWING DEPOSITED PLANS ON RECORD WITH LPI NSW: DP173027, DP222356, DP260232, DP526161, DP548142, DP929277, DP984182, DP1103195 & SP13171.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATION HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DCDB & E_BOUNDARY_NSAC) REFLECT THE CURRENT BOUNDARY CONFIGURATION AS SHOWN ON THE STATE DIGITAL CADASTRAL DATABASE. THEY ARE APPROXIMATE ONLY AND ARE INCLUDED FOR PLAN CONTEXT AND SHOULD NOT BE USED FOR ANY DESIGN OR PLANNING PURPOSES.

EASEMENTS (LAYER: E_BOUNDARY_EASEMENTS) HAVE BEEN INVESTIGATED AND PLOTTED ONLY IN THE AREA SUBJECT TO THE CONTOUR AND DETAIL SURVEY. INVESTIGATIONS HAVE BEEN CARRIED OUT ON LOT 5 DP984182, LOT 1 DP260232, LOTS 1,2 AND 3 DP545641 AND LOT 2 DP250060. WHERE THE EASEMENTS ARE LIMITED IN STRATUM, NO INVESTIGATION OF THE STRATUM LIMITS HAS BEEN MADE. IT IS IMPORTANT TO NOTE THAT OTHER EASEMENTS MAY EXIST IN OTHER PARCELS ADJOINING THE SURVEY OR WITHIN THE LOTS DESCRIBED ABOVE THAT ARE NOT AFFECTED BY THE SURVEY.

LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545641, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771360 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

HORIZ. SCALE: 1:100 — VERT. SCALE: N/A @ A0

COORDINATES: MGA — DATUM: AHD

ORIGIN: SCIMS — ORIGIN: SCIMS

SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: Sydney Metro city&southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No: NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No: PR124856 — ISSUE: A

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SHEET 1 OF 10 SHEETS — SIZE A0

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PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- HOUSE CONNECTION (EY)
- CONDUIT (ED)
- LINE-DIGITISED (EC)
- LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TRAFFIC SIGNAL DETECTOR (SD)

E COMMS COMMUNICATIONS
- TELEPHONE DISTRIBUTION PILLAR (PTDP)
- ABOVE GROUND JOINING POST (PTJP)
- OPTICAL FIBRE JUNCTION BOX (POF-J)
- OPTICAL FIBRE PIT (POFP)
- STD 1:1 m BY 1:1 m MAIN PIT (PTMP)
- TELEPHONE BOX POINT (PTBX)
- TELEPHONE SINGLE CONCRETE PIT (PTSP)
- TELEPHONE TRIPLE CONCRETE PIT (PTSP)
- TELEPHONE SUMP CONCRETE PIT (PTTP)
- OPTICAL FIBRE-DIGITISED (OZ)
- OPTICAL FIBRE-UNDERGROUND (UZ)
- TELEPHONE LINE (TN)
- TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
- MANHOLE COVER (PGHL)
- METER (PGMR)
- PIPELINE MARKER (PGPM)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- VENT PIPE (PGVP)
- TEST POINT (PGTP)
- ETHANE PIPELINE (HA)
- HOUSE CONNECTION (DG)
- MAIN-DIGITISED (ZG)
- MAIN-HIGH PRESSURE PIPELINE (HG)
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- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HOUSE CONNECTION (WY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- HOUSE CONNECTION (WY)
- MAIN (WM)
- MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- MAIN (SM)
- MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT POINT (PGUL)
- INLET TO SUMP (PILT)
- INVERT OF PIPE (PINV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FLOOR LEVEL
- CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNINDETIFIED POLE (PPOL)
- UNINDETIFIED SERVICE (PUSR)
- UNINDETIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D

UTILITY LEGEND

ELECTRICITY (AUSGRID):
- AC ASBESTOS CEMENT
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE

GAS (JEMENA):
- NB NOMINAL BORE (CAST IRON MAN)
- PE POLYETHYLENE

RMS:
- GI GALVANISED IRON
- HD HEAVY DUTY
- PVC POLYVINYL CHLORIDE

TELSTRA & OPTUS:
- AC ASBESTOS CEMENT
- CONC CONCRETE
- EW EARTHENWARE
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE

WATER (SYDNEY WATER):
- CICL CAST IRON CEMENT LINED
- DICL DUCTILE IRON CEMENT LINED
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE
- VC VITRIFIED CLAY
- SCLIBL STEEL CEMENT LINED INTERNAL BITUMEN LINED

- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

LEGEND

	SURVEY CONTROL MARK	+10.75	SURVEY SHOT R.L.
	TELSTRA PIT – DOUBLE	32.98TK	TOP OF KERB (CONC.) R.L.
	TELSTRA PIT – SINGLE	32.17G	GUTTER FLOW LINE (CONC.) R.L.
	WATER HYDRANT	32.03LP	LIP OF KERB (CONC.) R.L.
	WATER STOP VALVE	25.57PR	PRAM RAMP R.L.
	WATER TAP	21.50VC	VEHICLE CROSSING R.L.
	SEWER PIT (<1m)	36.62TW	TOP OF WALL R.L.
	SEWER LAMPHOLE	35.75BW	BOTTOM OF WALL R.L.
	SEWER VENT PIPE	27.20FL	FLOOR LEVEL R.L.
	POWER POLE	21.64AW	AWNING R.L.
	LIGHT	19.63CO	COLUMN R.L.
	ELECTRIC LIGHT POLE	26.24EW	EDGE OF WEDWN R.L.
	ELEC. PILLAR	26.36TW	TOP OF WEDWN R.L.
	SMALL ELEC. PIT(<1m)	DR.	DRAINAGE PIT
	SEWER LAMPHOLE	UKN	UNKNOWN PIT
	POWER POLE	WCM	WORLDCOM
	TELEPHONE	TRF	TRAFFIC SIGNAL JUNCTION BOX
	UNIDENTIFIED FEATURE	TEL PIT	TELSTRA PIT
	MISC. UNKNOWN PIT (<1m)		BOUNDARY SITE
	GAS VALVE BOX		APPROXIMATE ADJOINING BOUNDARY
	H.P. GAS PIPELINE MARKER		EASEMENT BOUNDARY
	GRATED DRAINAGE PIT		TRAFFIC LINE MARK–BROKEN
	GRATED DRAINAGE PIT– ROUND		TRAFFIC LINE MARK–CONTINUOUS
	GRATED DRAINAGE PIT LID		DENOTES MAJOR CONTOUR
	SQUARE DRAINAGE PIT		DENOTES MINOR CONTOUR
	ROUND DRAINAGE PIT		TREE S10.0 =SPREAD T.0M =DIAMETER H10.0 =HEIGHT
	BOLLARD		
	SIGN		
	RUBBISH BIN		
	PARKOMETER		
	FLAG POLE		
	TRAFFIC PIT/JUNCTION BOX		
	TRAFFIC LIGHT		
	SURVEY SHOT CROSS		

SHEET AREA: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

NOTES:

1. THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-MARTIN_PLACE_UTILITIES_SURVEY FIRST PRODUCED ON 28.09.2017.
2. ANY ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.
3. RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
4. ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
5. UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
6. SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
7. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
10. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT.
11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

(Z) EASEMENT FOR RAILWAY PURPOSES VIDE F606224

NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_TITLE) ARE BY SURVEY AS SHOWN IN PPN DP1232469 (UNREGISTERED - SUBJECT TO REGISTRATION AT LPI NSW).

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DEPOSITED_PLAN) ARE ORIGINAL PLAN DIMENSIONS TAKEN FROM THE FOLLOWING DEPOSITED PLANS ON RECORD WITH LPI NSW: DP173027, DP222356, DP260232, DP526161, DP548142, DP929277, DP984182, DP1103195 & SP13171.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATION HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DCDB & E_BOUNDARY_NSAC) REFLECT THE CURRENT BOUNDARY CONFIGURATION AS SHOWN ON THE STATE DIGITAL CADASTRAL DATABASE. THEY ARE APPROXIMATE ONLY AND ARE INCLUDED FOR PLAN CONTEXT AND SHOULD NOT BE USED FOR ANY DESIGN OR PLANNING PURPOSES.

EASEMENTS (LAYER: E_BOUNDARY_EASEMENTS) HAVE BEEN INVESTIGATED AND PLOTTED ONLY IN THE AREA SUBJECT TO THE CONTOUR AND DETAIL SURVEY. INVESTIGATIONS HAVE BEEN CARRIED OUT ON LOT 5 DP984182, LOT 1 DP260232, LOTS 1,2 AND 3 DP545841 AND LOT 2 DP250060. WHERE THE EASEMENTS ARE LIMITED IN STRATUM, NO INVESTIGATION OF THE STRATUM LIMITS HAS BEEN MADE. IT IS IMPORTANT TO NOTE THAT OTHER EASEMENTS MAY EXIST IN OTHER PARCELS ADJOINING THE SURVEY OR WITHIN THE LOTS DESCRIBED ABOVE THAT ARE NOT AFFECTED BY THE SURVEY.

LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545841, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771080 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

DISCLAIMER:

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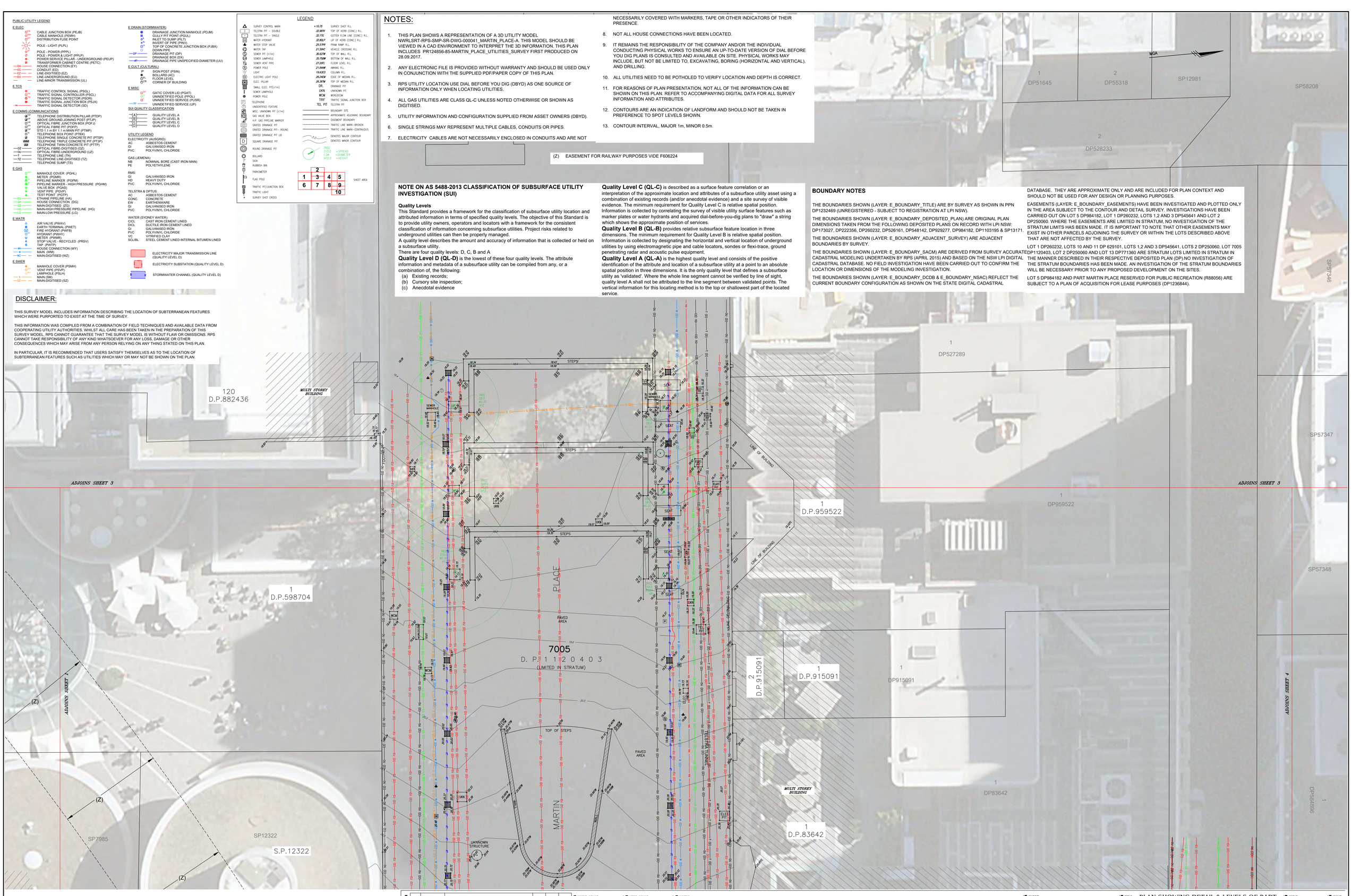

REVISIONS					
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NOTES

CLIENT: sydney METRO | city & southwest

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- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
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- OZ — OPTICAL FIBRE-DIGITISED (OZ)
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NOTES:

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9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
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11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_TITLE) ARE BY SURVEY AS SHOWN IN PPN DP1232469 (UNREGISTERED - SUBJECT TO REGISTRATION AT LPI NSW).

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DEPOSITED_PLAN) ARE ORIGINAL PLAN DIMENSIONS TAKEN FROM THE FOLLOWING DEPOSITED PLANS ON RECORD WITH LPI NSW: DP173027, DP222356, DP260232, DP526161, DP548142, DP929277, DP984182, DP1103195 & SP13171.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATION HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DCDB & E_BOUNDARY_NSAC) REFLECT THE CURRENT BOUNDARY CONFIGURATION AS SHOWN ON THE STATE DIGITAL CADASTRAL DATABASE. THEY ARE APPROXIMATE ONLY AND ARE INCLUDED FOR PLAN CONTEXT AND SHOULD NOT BE USED FOR ANY DESIGN OR PLANNING PURPOSES.

EASEMENTS (LAYER: E_BOUNDARY_EASEMENTS) HAVE BEEN INVESTIGATED AND PLOTTED ONLY IN THE AREA SUBJECT TO THE CONTOUR AND DETAIL SURVEY. INVESTIGATIONS HAVE BEEN CARRIED OUT ON LOT 5 DP984182, LOT 1 DP260232, LOTS 1,2 AND 3 DP545641 AND LOT 2 DP250060. WHERE THE EASEMENTS ARE LIMITED IN STRATUM, NO INVESTIGATION OF THE STRATUM LIMITS HAS BEEN MADE. IT IS IMPORTANT TO NOTE THAT OTHER EASEMENTS MAY EXIST IN OTHER PARCELS ADJOINING THE SURVEY OR WITHIN THE LOTS DESCRIBED ABOVE THAT ARE NOT AFFECTED BY THE SURVEY.

LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545641, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771360 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

(X) EASEMENT FOR RAILWAY TRANSIT SHOWN ON DP577984 (VIDE GAZ 21 FOL.592 13-2-76

(Y) EASEMENT FOR RAILWAY PURPOSES VIDE F822764

(Z) EASEMENT FOR RAILWAY PURPOSES VIDE F606224

LEGEND

	SURVEY CONTROL MARK	×10.75	SURVEY SHOT R.L.
	TELSTRA PIT – DOUBLE	32.98TK	TOP OF KERB (CONC.) R.L.
	TELSTRA PIT – SINGLE	32.77G	GUTTER FLOW LINE (CONC.) R.L.
	WATER HYDRANT	32.80LP	LIP OF KERB (CONC.) R.L.
	WATER STOP VALVE	25.57PR	PRAM RAMP R.L.
	WATER TAP	21.59VC	VEHICLE CROSSING R.L.
	SEWER PIT (<1m)	36.62TW	TOP OF WALL R.L.
	SEWER LAMPHOLE	35.75BW	BOTTOM OF WALL R.L.
	SEWER VENT PIPE	27.20FL	FLOOR LEVEL R.L.
	POWER POLE	21.64AW	AWNING R.L.
	LIGHT	19.63CO	COLUMN R.L.
	ELECTRIC LIGHT POLE	26.24EM	EDGE OF MEDIAN R.L.
	ELEC. PILLAR	26.36TM	TOP OF MEDIAN R.L.
	SMALL ELEC. PIT(<1m)	DR.	DRAINAGE PIT
	SEWER LAMPHOLE	UKN	UNKNOWN PIT
	POWER POLE	WCM	WORLDCOM
	TELEPHONE	TRF	TRAFFIC SIGNAL JUNCTION BOX
	UNIDENTIFIED FEATURE	TEL PIT	TELSTRA PIT
	MISC. UNKNOWN PIT (<1m)		BOUNDARY SITE
	GAS VALVE BOX		APPROXIMATE ADJOINING BOUNDARY
	H.P. GAS PIPELINE MARKER		EASEMENT BOUNDARY
	GRATED DRAINAGE PIT		TRAFFIC LINE MARK–BROKEN
	GRATED DRAINAGE PIT– ROUND		TRAFFIC LINE MARK–CONTINUOUS
	GRATED DRAINAGE PIT LID		DENOTES MAJOR CONTOUR
	SQUARE DRAINAGE PIT		DENOTES MINOR CONTOUR
	ROUND DRAINAGE PIT	TREE S10.0 1.0ø H10.0	=SPREAD =DIAMETER =HEIGHT
	BOLLARD		
	SIGN		
	RUBBISH BIN		
	PARKOMETER		
	FLAG POLE		
	TRAFFIC PIT/JUNCTION BOX		
	TRAFFIC LIGHT		
	SURVEY SHOT CROSS		

SHEET AREA

	2			
1	3	4	5	
6	7	8	9	
			10	

NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

HORIZ. SCALE: 1:100 — VERT. SCALE: N/A @ A0

COORDINATES: MGA — DATUM: AHD

ORIGIN: SCIMS — ORIGIN: SCIMS

SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: Sydney Metro city&southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No PR124856 — ISSUE A

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SHEET 3 OF 10 SHEETS — SIZE A0

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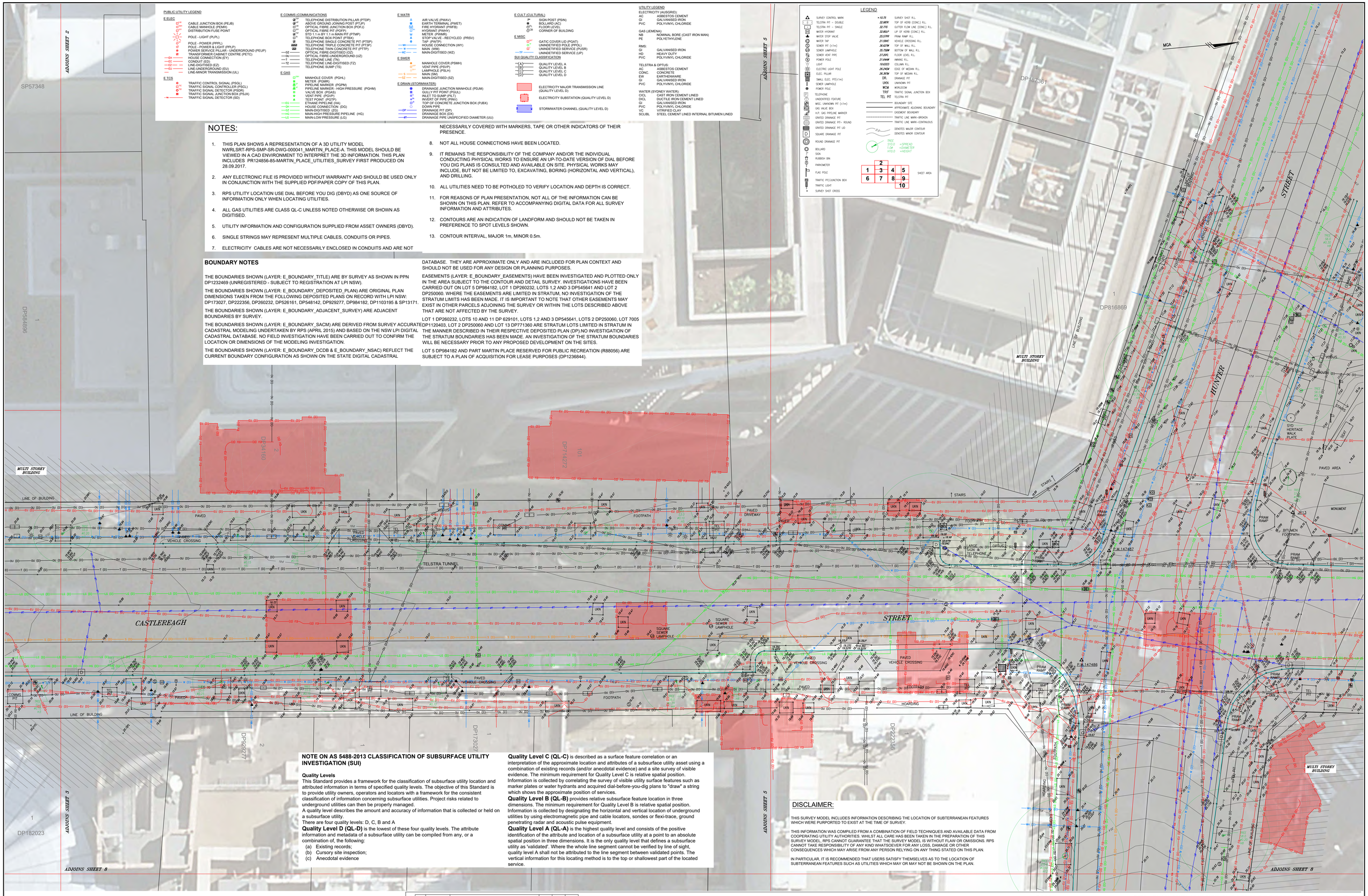

PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- HOUSE CONNECTION (EY)
- CONDUIT (ED)
- LINE-DIGITISED (EZ)
- LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TRAFFIC SIGNAL DETECTOR (SD)

E COMMS (COMMUNICATIONS)
- TELEPHONE DISTRIBUTION PILLAR (PTDP)
- ABOVE GROUND JOINING POST (PTJP)
- OPTICAL FIBRE JUNCTION BOX (POFJ)
- OPTICAL FIBRE PIT (POFP)
- STD 1.1 m BY 1.1 m MAIN PIT (PTMP)
- TELEPHONE BOX POINT (PTBX)
- TELEPHONE SINGLE CONCRETE PIT (PTSP)
- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
- TELEPHONE TWIN CONCRETE PIT (PTTP)
- OPTICAL FIBRE-DIGITISED (OZ)
- OPTICAL FIBRE-UNDERGROUND (UZ)
- TELEPHONE LINE (TN)
- TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
- MANHOLE COVER (PGHL)
- METER (PGMR)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- VENT PIPE (PGVP)
- TEST POINT (PGTP)
- ETHANE PIPELINE (HA)
- HOUSE CONNECTION (DG)
- MAIN-DIGITISED (ZG)
- MAIN-HIGH PRESSURE PIPELINE (HG)
- MAIN-LOW PRESSURE (LG)

E WATR
- AIR VALVE (PWAV)
- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HYDRANT (PWHY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- HOUSE CONNECTION (WY)
- MAIN (WM)
- MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- MAIN (SM)
- MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT POINT (PGUL)
- INLET TO SUMP (PILT)
- INVERT OF PIPE (PINV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FLOOR LEVEL
- CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNINDETIFIED POLE (PPOL)
- UNINDETIFIED SERVICE (PUSR)
- UNINDETIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D
- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

UTILITY LEGEND

ELECTRICITY (AUSGRID):
- AC ASBESTOS CEMENT
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE

GAS (JEMENA):
- NB NOMINAL BORE (CAST IRON MAN)
- PE POLYETHYLENE

RMS:
- GI GALVANISED IRON
- HD HEAVY DUTY
- PVC POLYVINYL CHLORIDE

TELSTRA & OPTUS:
- AC ASBESTOS CEMENT
- CONC. CONCRETE
- EW EARTHENWARE
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE

WATER (SYDNEY WATER):
- CICL CAST IRON CEMENT LINED
- DICL DUCTILE IRON CEMENT LINED
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE
- VC VITRIFIED CLAY
- SCLIBL STEEL CEMENT LINED INTERNAL BITUMEN LINED

LEGEND

SURVEY CONTROL MARK	*10.75 SURVEY SHOT R.L.
TELSTRA PIT – DOUBLE	32.985V TOP OF KERB (CONC.) R.L.
TELSTRA PIT – SINGLE	22.72S GUTTER FLOW LINE (CONC.) R.L.
WATER HYDRANT	32.80LP LIP OF KERB (CONC.) R.L.
WATER STOP VALVE	25.53RR PRAM RAMP R.L.
WATER TAP	21.59VC VEHICLE CROSSING R.L.
SEWER PIT (<1m)	36.027M TOP OF WALL R.L.
SEWER LAMPHOLE	35.750M BOTTOM OF WALL R.L.
SEWER VENT PIPE	27.25FL FLOOR LEVEL R.L.
POWER POLE	21.644W AWNING R.L.
LIGHT	19.63CO COLUMN R.L.
ELECTRIC LIGHT POLE	26.24EW EDGE OF MEDIAN R.L.
ELEC. PILLAR	26.36TM TOP OF MEDIAN R.L.
SMALL ELEC. PIT(<1m)	DR. DRAINAGE PIT
SEWER LAMPHOLE	UKN UNKNOWN PIT
POWER POLE	WCM WORLDCOM
TELEPHONE	TRF TRAFFIC SIGNAL JUNCTION BOX
UNIDENTIFIED FEATURE	TEL PIT TELSTRA PIT
MISC. UNKNOWN PIT (<1m)	BOUNDARY SITE
GAS VALVE BOX	APPROXIMATE ADJOINING BOUNDARY
H.P. GAS PIPELINE MARKER	EASEMENT BOUNDARY
GRATED DRAINAGE PIT	TRAFFIC LINE MARK–BROKEN
GRATED DRAINAGE PIT– ROUND	TRAFFIC LINE MARK–CONTINUOUS
GRATED DRAINAGE PIT LID	1.0 DENOTES MAJOR CONTOUR
SQUARE DRAINAGE PIT	DENOTES MINOR CONTOUR
ROUND DRAINAGE PIT	TREE S10.0 =SPREAD T.0.R =DIAMETER H10.0 =HEIGHT
BOLLARD	
SIGN	
RUBBISH BIN	
PARKOMETER	
FLAC POLE	
TRAFFIC PIT/JUNCTION BOX	
TRAFFIC LIGHT	
SURVEY SHOT CROSS	

1 2 3 4 5 6 7 8 9 10 SHEET AREA

NOTES:

1. THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-MARTIN_PLACE_UTILITIES_SURVEY FIRST PRODUCED ON 28.09.2017.
2. ANY ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.
3. RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
4. ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
5. UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
6. SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
7. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
10. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT.
11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
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13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

BOUNDARY NOTES

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THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

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LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545641, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771360 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

DISCLAIMER:

THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY.

THIS INFORMATION WAS COMPILED FROM A COMBINATION OF FIELD TECHNIQUES AND AVAILABLE DATA FROM COOPERATING UTILITY AUTHORITIES. WHILST ALL CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS SURVEY MODEL, RPS CANNOT GUARANTEE THAT THE SURVEY MODEL IS WITHOUT FLAW OR OMISSIONS. RPS CANNOT TAKE RESPONSIBILITY OF ANY KIND WHATSOEVER FOR ANY LOSS, DAMAGE OR OTHER CONSEQUENCES WHICH MAY ARISE FROM ANY PERSON RELYING ON ANY THING STATED ON THIS PLAN.

IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

REVISIONS

HORIZ. SCALE: 1:100 | VERT. SCALE: N/A @ A0
COORDINATES: MGA | DATUM: AHD
ORIGIN: SCIMS | ORIGIN: SCIMS
2 1 0 2 4 6
SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

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CLIENT: sydney METRO | city & southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No: NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No: PR124856 | ISSUE: A

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SHEET 4 OF 10 SHEETS | SIZE: A0

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P:\PR124856 - SRT\85_Metron-Detail Surveys\10 - Drafting\Survey\2. Detail\MARTIN PLACE\NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg 03.11.2017 2:25 PM

NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

NOTES:

1. THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-MARTIN_PLACE_UTILITIES_SURVEY FIRST PRODUCED ON 28.09.2017.
2. ANY ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.
3. RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
4. ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
5. UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
6. SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
7. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
10. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT.
11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_TITLE) ARE BY SURVEY AS SHOWN IN PPN DP1232469 (UNREGISTERED - SUBJECT TO REGISTRATION AT LPI NSW).

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DEPOSITED_PLAN) ARE ORIGINAL PLAN DIMENSIONS TAKEN FROM THE FOLLOWING DEPOSITED PLANS ON RECORD WITH LPI NSW: DP173027, DP222356, DP260232, DP526161, DP548142, DP929277, DP984182, DP1103195 & SP13171.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATION HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DCDB & E_BOUNDARY_NSAC) REFLECT THE CURRENT BOUNDARY CONFIGURATION AS SHOWN ON THE STATE DIGITAL CADASTRAL DATABASE. THEY ARE APPROXIMATE ONLY AND ARE INCLUDED FOR PLAN CONTEXT AND SHOULD NOT BE USED FOR ANY DESIGN OR PLANNING PURPOSES.

EASEMENTS (LAYER: E_BOUNDARY_EASEMENTS) HAVE BEEN INVESTIGATED AND PLOTTED ONLY IN THE AREA SUBJECT TO THE CONTOUR AND DETAIL SURVEY. INVESTIGATIONS HAVE BEEN CARRIED OUT ON LOT 5 DP984182, LOT 1 DP260232, LOTS 1,2 AND 3 DP545641 AND LOT 2 DP250060. WHERE THE EASEMENTS ARE LIMITED IN STRATUM, NO INVESTIGATION OF THE STRATUM LIMITS HAS BEEN MADE. IT IS IMPORTANT TO NOTE THAT OTHER EASEMENTS MAY EXIST IN OTHER PARCELS ADJOINING THE SURVEY OR WITHIN THE LOTS DESCRIBED ABOVE THAT ARE NOT AFFECTED BY THE SURVEY.

LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545641, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771360 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

MGA

PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- EH — HOUSE CONNECTION (EY)
- EC — CONDUIT (ED)
- EZ — LINE-DIGITISED (EZ)
- EU — LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TRAFFIC SIGNAL DETECTOR (SD)

E COMMS (COMMUNICATIONS)
- TELEPHONE DISTRIBUTION PILLAR (PTDP)
- ABOVE GROUND JOINING POST (PTJP)
- OPTICAL FIBRE JUNCTION BOX (POFJ)
- OPTICAL FIBRE PIT (POFP)
- STD 1.1 m BY 1.1 m MAIN PIT (PTMP)
- TELEPHONE BOX POINT (PTBX)
- TELEPHONE SINGLE CONCRETE PIT (PTSP)
- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
- TELEPHONE TWIN CONCRETE PIT (PTTP)
- OZ — OPTICAL FIBRE-DIGITISED (OZ)
- OU — OPTICAL FIBRE-UNDERGROUND (UZ)
- T — TELEPHONE LINE (TN)
- TZ — TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
- MANHOLE COVER (PGHL)
- METER (PGMR)
- PIPELINE MARKER (PGPM)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- VENT PIPE (PGVP)
- TEST POINT (PGTP)
- EG — ETHANE PIPELINE (HA)
- GH — HOUSE CONNECTION (DG)
- GZ — MAIN-DIGITISED (ZG)
- HG — MAIN-HIGH PRESSURE PIPELINE (HG)
- LG — MAIN-LOW PRESSURE (LG)

E WATR
- AIR VALVE (PWAV)
- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HYDRANT (PWHY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- WH — HOUSE CONNECTION (WY)
- W — MAIN (WM)
- WZ — MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- S — MAIN (SM)
- SZ — MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT POINT (PGUL)
- INLET TO SUMP (PILT)
- INVERT OF PIPE (PINV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DP — DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- ø? — DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FLOOR LEVEL
- CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNINDETIFIED POLE (PPOL)
- UNINDETIFIED SERVICE (PUSR)
- ?P — UNINDETIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D

UTILITY LEGEND

ELECTRICITY (AUSGRID):

AC	ASBESTOS CEMENT
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE

GAS (JEMENA):

NB	NOMINAL BORE (CAST IRON MAN)
PE	POLYETHYLENE

RMS:

GI	GALVANISED IRON
HD	HEAVY DUTY
PVC	POLYVINYL CHLORIDE

TELSTRA & OPTUS:

AC	ASBESTOS CEMENT
CONC.	CONCRETE
EW	EARTHENWARE
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE

WATER (SYDNEY WATER):

CICL	CAST IRON CEMENT LINED
DICL	DUCTILE IRON CEMENT LINED
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE
VC	VITRIFIED CLAY
SCLIBL	STEEL CEMENT LINED INTERNAL BITUMEN LINED

- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

LEGEND

SURVEY CONTROL MARK; TELSTRA PIT – DOUBLE; TELSTRA PIT – SINGLE; WATER HYDRANT; WATER STOP VALVE; WATER TAP; SEWER PIT (<1m); SEWER LAMPHOLE; SEWER VENT PIPE; POWER POLE; LIGHT; ELECTRIC LIGHT POLE; ELEC. PILLAR; SMALL ELEC. PIT(<1m); SEWER LAMPHOLE; POWER POLE; TELEPHONE; UNIDENTIFIED FEATURE; MISC. UNKNOWN PIT (<1m); GAS VALVE BOX; H.P. GAS PIPELINE MARKER; GRATED DRAINAGE PIT; GRATED DRAINAGE PIT– ROUND; GRATED DRAINAGE PIT LID; SQUARE DRAINAGE PIT; ROUND DRAINAGE PIT; BOLLARD; SIGN; RUBBISH BIN; PARKOMETER; FLAG POLE; TRAFFIC PIT/JUNCTION BOX; TRAFFIC LIGHT; SURVEY SHOT CROSS

×10.75	SURVEY SHOT R.L.
32.98TK	TOP OF KERB (CONC.) R.L.
32.77G	GUTTER FLOW LINE (CONC.) R.L.
32.80LP	LIP OF KERB (CONC.) R.L.
25.57PR	PRAM RAMP R.L.
21.59VC	VEHICLE CROSSING R.L.
36.62TW	TOP OF WALL R.L.
35.75BW	BOTTOM OF WALL R.L.
27.20FL	FLOOR LEVEL R.L.
21.64AW	AWNING R.L.
19.63CO	COLUMN R.L.
26.24EM	EDGE OF MEDIAN R.L.
26.36TM	TOP OF MEDIAN R.L.
DR.	DRAINAGE PIT
UKN	UNKNOWN PIT
WCM	WORLDCOM
TRF	TRAFFIC SIGNAL JUNCTION BOX
TEL PIT	TELSTRA PIT

BOUNDARY SITE; APPROXIMATE ADJOINING BOUNDARY; EASEMENT BOUNDARY; TRAFFIC LINE MARK–BROKEN; TRAFFIC LINE MARK–CONTINUOUS; DENOTES MAJOR CONTOUR; DENOTES MINOR CONTOUR

TREE S10.0 =SPREAD, 1.0ø =DIAMETER, H10.0 =HEIGHT

SHEET AREA: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

DISCLAIMER:

THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY.

THIS INFORMATION WAS COMPILED FROM A COMBINATION OF FIELD TECHNIQUES AND AVAILABLE DATA FROM COOPERATING UTILITY AUTHORITIES. WHILST ALL CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS SURVEY MODEL, RPS CANNOT GUARANTEE THAT THE SURVEY MODEL IS WITHOUT FLAW OR OMISSIONS. RPS CANNOT TAKE RESPONSIBILITY OF ANY KIND WHATSOEVER FOR ANY LOSS, DAMAGE OR OTHER CONSEQUENCES WHICH MAY ARISE FROM ANY PERSON RELYING ON ANY THING STATED ON THIS PLAN.

IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

HORIZ. SCALE: 1:100 — VERT. SCALE: N/A @ A0
COORDINATES: MGA — DATUM: AHD
ORIGIN: SCIMS — ORIGIN: SCIMS
SCALE IN METRES AT ORIGINAL REDUCTION RATIO (2 1 0 2 4 6)

NOTES

CLIENT: sydney METRO city&southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No: NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No: PR124856 — ISSUE: A

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SHEET 5 OF 10 SHEETS — SIZE A0

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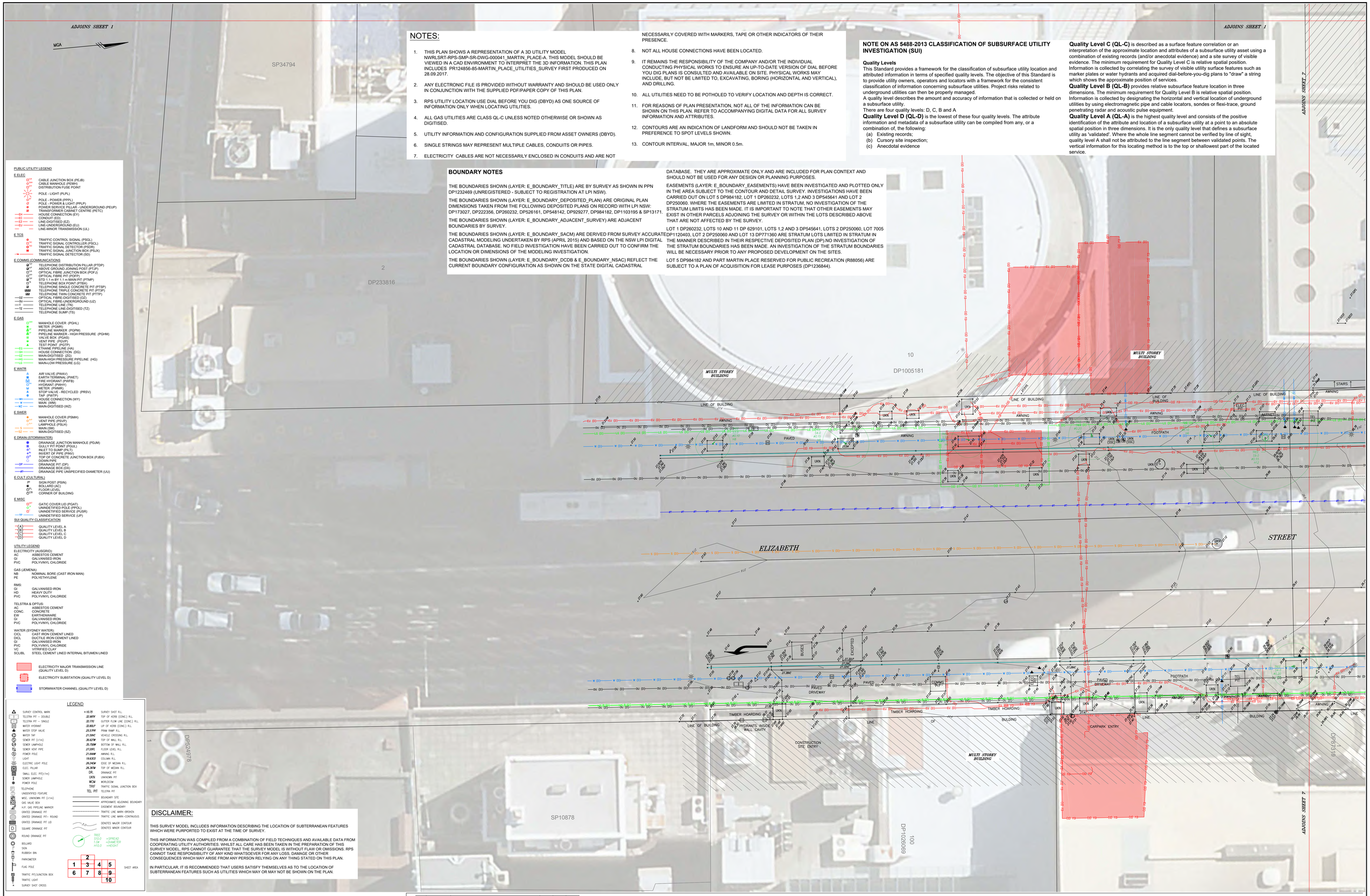

PUBLIC UTILITY LEGEND

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- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
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- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- HOUSE CONNECTION (EY)
- CONDUIT (ED)
- LINE-DIGITISED (EZ)
- LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

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- TELEPHONE TWIN CONCRETE PIT (PTTP)
- OPTICAL FIBRE-DIGITISED (OZ)
- OPTICAL FIBRE-UNDERGROUND (UZ)
- TELEPHONE LINE (TN)
- TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

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- BOLLARD (AC)
- FLOOR LEVEL
- CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNIDEFTIFIED POLE (PPOL)
- UNINDETIFIED SERVICE (PUSR)
- UNINDETIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- QUALITY LEVEL A
- QUALITY LEVEL B
- QUALITY LEVEL C
- QUALITY LEVEL D

UTILITY LEGEND

ELECTRICITY (AUSGRID):
AC: ASBESTOS CEMENT
GI GALVANISED IRON
PVC: POLYVINYL CHLORIDE

GAS (JEMENA):
NB NOMINAL BORE (CAST IRON MAN)
PE POLYETHYLENE

RMS:
GI GALVANISED IRON
HD HEAVY DUTY
PVC POLYVINYL CHLORIDE

TELSTRA & OPTUS:
AC ASBESTOS CEMENT
CONC. CONCRETE
EW EARTHENWARE
GI GALVANISED IRON
PVC: POLYVINYL CHLORIDE

WATER (SYDNEY WATER):
CICL CAST IRON CEMENT LINED
DICL DUCTILE IRON CEMENT LINED
GI GALVANISED IRON
PVC: POLYVINYL CHLORIDE
VC VITRIFIED CLAY
SCLBL STEEL CEMENT LINED INTERNAL BITUMEN LINED

- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

LEGEND

SURVEY CONTROL MARK	+ 10.75	SURVEY SHOT R.L.	
TELSTRA PIT – DOUBLE	32.98TK	TOP OF KERB (CONC.) R.L.	
TELSTRA PIT – SINGLE	32.17G	GUTTER FLOW LINE (CONC.) R.L.	
WATER HYDRANT	32.85LP	LIP OF KERB (CONC.) R.L.	
WATER STOP VALVE	25.51PR	PRAM RAMP R.L.	
WATER TAP	27.59VC	VEHICLE CROSSING R.L.	
SEWER PIT (<1m)	36.62TW	TOP OF WALL R.L.	
SEWER LAMPHOLE	35.75BW	BOTTOM OF WALL R.L.	
SEWER VENT PIPE	27.29FL	FLOOR LEVEL R.L.	
POWER POLE	21.64AW	AWNING R.L.	
LIGHT	19.63CO	COLUMN R.L.	
ELECTRIC LIGHT POLE	26.24EW	EDGE OF WEDMN R.L.	
ELEC. PILLAR	26.36TW	TOP OF WEDMN R.L.	
SMALL ELEC. PIT(<1m)	DR.	DRAINAGE PIT	
SEWER LAMPHOLE	UKN	UNKNOWN PIT	
POWER POLE	WCM	WORLCOM	
TELEPHONE	TRF	TRAFFIC SIGNAL JUNCTION BOX	
UNIDENTIFIED FEATURE	TEL PIT	TELSTRA PIT	
MISC. UNKNOWN PIT (<1m)		BOUNDARY SITE	
GAS VALVE BOX		APPROXIMATE ADJOINING BOUNDARY	
H.P. GAS PIPELINE MARKER		EASEMENT BOUNDARY	
GRATED DRAINAGE PIT		TRAFFIC LINE MARK–BROKEN	
GRATED DRAINAGE PIT– ROUND		TRAFFIC LINE MARK–CONTINUOUS	
GRATED DRAINAGE PIT LID	2.0	DENOTES MAJOR CONTOUR	
SQUARE DRAINAGE PIT		DENOTES MINOR CONTOUR	
ROUND DRAINAGE PIT	TREE S10.0 T.0# H10.0	=SPREAD =DIAMETER =HEIGHT	
BILLIARD			
SIGN			
RUBBISH BIN			
PARKOMETER			
FLAG POLE			
TRAFFIC PIT/JUNCTION BOX			
TRAFFIC LIGHT			
SURVEY SHOT CROSS			

SHEET AREA: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

NOTES:

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9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
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BOUNDARY NOTES

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THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATION HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DCDB & E_BOUNDARY_NSAC) REFLECT THE CURRENT BOUNDARY CONFIGURATION AS SHOWN ON THE STATE DIGITAL CADASTRAL DATABASE. THEY ARE APPROXIMATE ONLY AND ARE INCLUDED FOR PLAN CONTEXT AND SHOULD NOT BE USED FOR ANY DESIGN OR PLANNING PURPOSES.

EASEMENTS (LAYER: E_BOUNDARY_EASEMENTS) HAVE BEEN INVESTIGATED AND PLOTTED ONLY IN THE AREA SUBJECT TO THE CONTOUR AND DETAIL SURVEY. INVESTIGATIONS HAVE BEEN CARRIED OUT ON LOT 5 DP984182, LOT 1 DP260232, LOTS 1,2 AND 3 DP545641 AND LOT 2 DP250060. WHERE THE EASEMENTS ARE LIMITED IN STRATUM, NO INVESTIGATION OF THE STRATUM LIMITS HAS BEEN MADE. IT IS IMPORTANT TO NOTE THAT OTHER EASEMENTS MAY EXIST IN OTHER PARCELS ADJOINING THE SURVEY OR WITHIN THE LOTS DESCRIBED ABOVE THAT ARE NOT AFFECTED BY THE SURVEY.

LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545641, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771360 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

DISCLAIMER:

THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY.

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IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

HORIZ. SCALE: 1:100
VERT. SCALE: N/A @ A0
COORDINATES: MGA
DATUM: AHD
ORIGIN: SCIMS
ORIGIN: SCIMS
2 1 0 2 4 6
SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: sydney METRO | city & southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No: NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No: PR124856
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ISSUE: A
SHEET 6 OF 10 SHEETS
SIZE: A0

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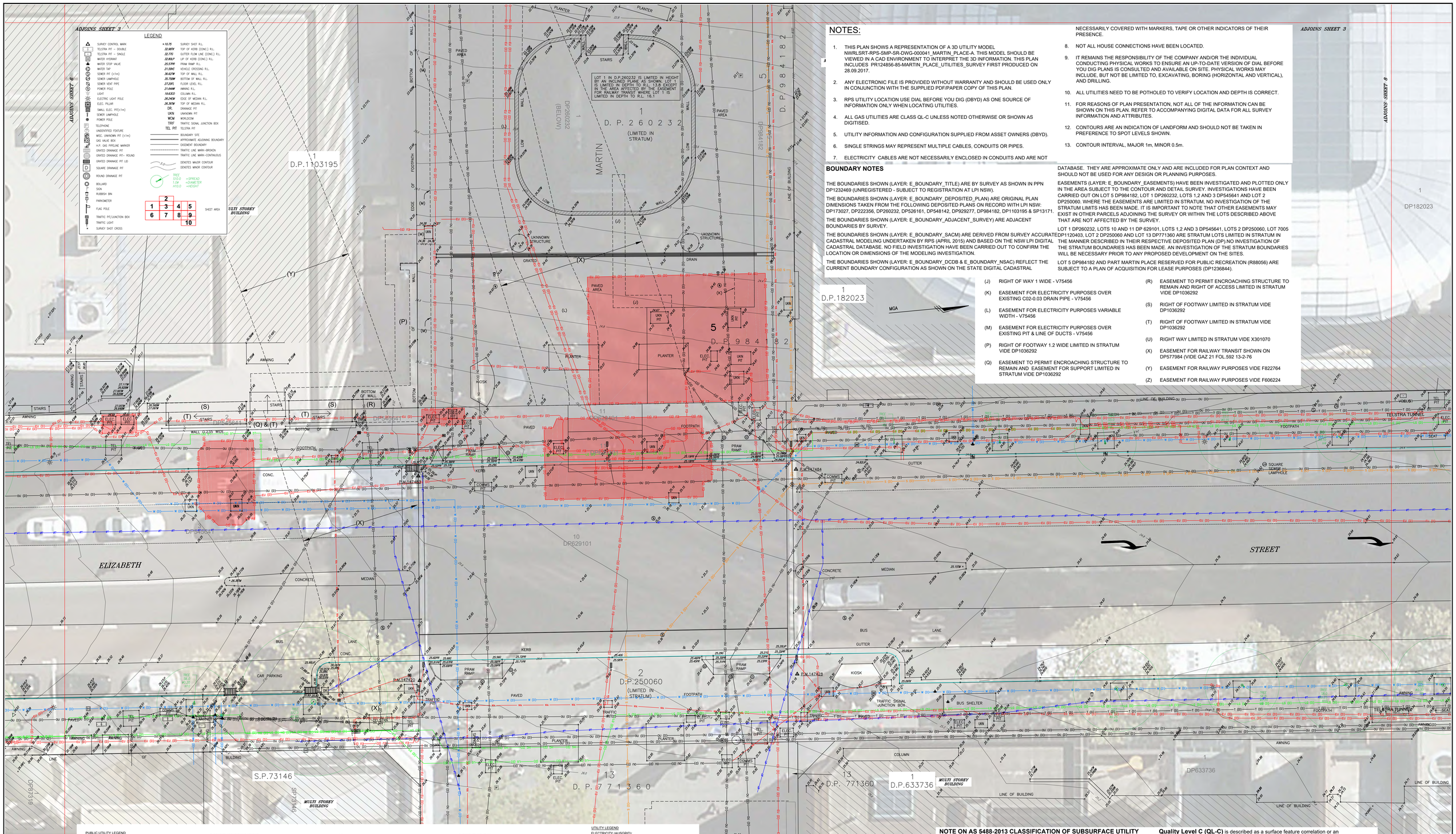

NOTES:

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3. RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
4. ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
5. UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
6. SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
7. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
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10. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT.
11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

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(J) RIGHT OF WAY 1 WIDE - V75456

(K) EASEMENT FOR ELECTRICITY PURPOSES OVER EXISTING C02-0.03 DRAIN PIPE - V75456

(L) EASEMENT FOR ELECTRICITY PURPOSES VARIABLE WIDTH - V75456

(M) EASEMENT FOR ELECTRICITY PURPOSES OVER EXISTING PIT & LINE OF DUCTS - V75456

(P) RIGHT OF FOOTWAY 1.2 WIDE LIMITED IN STRATUM VIDE DP1036292

(Q) EASEMENT TO PERMIT ENCROACHING STRUCTURE TO REMAIN AND EASEMENT FOR SUPPORT LIMITED IN STRATUM VIDE DP1036292

(R) EASEMENT TO PERMIT ENCROACHING STRUCTURE TO REMAIN AND RIGHT OF ACCESS LIMITED IN STRATUM VIDE DP1036292

(S) RIGHT OF FOOTWAY LIMITED IN STRATUM VIDE DP1036292

(T) RIGHT OF FOOTWAY LIMITED IN STRATUM VIDE DP1036292

(U) RIGHT WAY LIMITED IN STRATUM VIDE X301070

(X) EASEMENT FOR RAILWAY TRANSIT SHOWN ON DP577984 (VIDE GAZ 21 FOL.592 13-2-76

(Y) EASEMENT FOR RAILWAY PURPOSES VIDE F822764

(Z) EASEMENT FOR RAILWAY PURPOSES VIDE F606224

PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- HOUSE CONNECTION (EY)
- CONDUIT (ED)
- LINE-DIGITISED (EZ)
- LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TRAFFIC SIGNAL DETECTOR (SD)

E COMMS (COMMUNICATIONS)
- TELEPHONE DISTRIBUTION PILLAR (PTDP)
- ABOVE GROUND JOINING POST (PTJP)
- OPTICAL FIBRE JUNCTION BOX (POFJ)
- OPTICAL FIBRE PIT (POFP)
- STD 1.1 m BY 1.1 m MAIN PIT (PTMP)
- TELEPHONE BOX POINT (PTBX)
- TELEPHONE SINGLE CONCRETE PIT (PTSP)
- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
- TELEPHONE TWIN CONCRETE PIT (PTTP)
- OPTICAL FIBRE-DIGITISED (OZ)
- OPTICAL FIBRE-UNDERGROUND (UZ)
- TELEPHONE LINE (TN)
- TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
- MANHOLE COVER (PGHL)
- METER (PGMR)
- PIPELINE MARKER (PGPM)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- INLET TO SUMP (PILT)
- TEST POINT (PGTP)
- ETHANE PIPELINE (HA)
- HOUSE CONNECTION (DG)
- MAIN-DIGITISED (ZG)
- MAIN-HIGH PRESSURE PIPELINE (HG)
- MAIN-LOW PRESSURE (LG)

E WATR
- AIR VALVE (PWAV)
- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HYDRANT (PWHY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- HOUSE CONNECTION (WY)
- MAIN (WM)
- MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- MAIN (SM)
- MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT (PGUL)
- INLET TO SUMP (PILT)
- RIVER PIPE (PRIV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FLOOR LEVEL
- CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNINDETIFIED POLE (PPOL)
- UNINDETIFIED SERVICE (PUSR)
- UNINDETIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D

- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

UTILITY LEGEND

ELECTRICITY (AUSGRID):
AC ASBESTOS CEMENT
GI GALVANISED IRON
PVC POLYVINYL CHLORIDE

GAS (JEMENA):
NB NOMINAL BORE (CAST IRON MAN)
PE POLYETHYLENE

RMS:
GI GALVANISED IRON
HD HEAVY DUTY
PVC POLYVINYL CHLORIDE

TELSTRA & OPTUS:
AC ASBESTOS CEMENT
CONC. CONCRETE
EW EARTHENWARE
GI GALVANISED IRON
PVC POLYVINYL CHLORIDE

WATER (SYDNEY WATER):
CICL CAST IRON CEMENT LINED
DICL DUCTILE IRON CEMENT LINED
GI GALVANISED IRON
PVC POLYVINYL CHLORIDE
VC VITRIFIED CLAY
SCLIBL STEEL CEMENT LINED INTERNAL BITUMEN LINED

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NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

REVISIONS

HORZ. SCALE: 1:100
VERT. SCALE: N/A @ A0
COORDINATES: MGA
DATUM: AHD
ORIGIN: SCIMS
ORIGIN: SCIMS

SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: Sydney METRO | city & southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No: NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No: PR124856
ISSUE: A
SHEET 7 OF 10 SHEETS
SIZE: A0

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NOTES:

1. THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-MARTIN_PLACE_UTILITIES_SURVEY FIRST PRODUCED ON 28.09.2017.
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EASEMENTS (LAYER: E_BOUNDARY_EASEMENTS) HAVE BEEN INVESTIGATED AND PLOTTED ONLY IN THE AREA SUBJECT TO THE CONTOUR AND DETAIL SURVEY. INVESTIGATIONS HAVE BEEN CARRIED OUT ON LOT 5 DP984182, LOT 1 DP260232, LOTS 1,2 AND 3 DP545641 AND LOT 2 DP250060. WHERE THE EASEMENTS ARE LIMITED IN STRATUM, NO INVESTIGATION OF THE STRATUM LIMITS HAS BEEN MADE. IT IS IMPORTANT TO NOTE THAT OTHER EASEMENTS MAY EXIST IN OTHER PARCELS ADJOINING THE SURVEY OR WITHIN THE LOTS DESCRIBED ABOVE THAT ARE NOT AFFECTED BY THE SURVEY.

LOT 1 DP260232, LOTS 10 AND 11 DP 629101, LOTS 1,2 AND 3 DP545641, LOTS 2 DP250060, LOT 7005 DP1120403, LOT 2 DP250060 AND LOT 13 DP771360 ARE STRATUM LOTS LIMITED IN STRATUM IN THE MANNER DESCRIBED IN THEIR RESPECTIVE DEPOSITED PLAN (DP).NO INVESTIGATION OF THE STRATUM BOUNDARIES HAS BEEN MADE. AN INVESTIGATION OF THE STRATUM BOUNDARIES WILL BE NECESSARY PRIOR TO ANY PROPOSED DEVELOPMENT ON THE SITES.

LOT 5 DP984182 AND PART MARTIN PLACE RESERVED FOR PUBLIC RECREATION (R88056) ARE SUBJECT TO A PLAN OF ACQUISITION FOR LEASE PURPOSES (DP1236844).

LEGEND

Symbol	Description	Code	Description
	SURVEY CONTROL MARK	×10.75	SURVEY SHOT R.L.
	TELSTRA PIT – DOUBLE	32.98TK	TOP OF KERB (CONC.) R.L.
	TELSTRA PIT – SINGLE	32.77G	GUTTER FLOW LINE (CONC.) R.L.
	WATER HYDRANT	32.80LP	LIP OF KERB (CONC.) R.L.
	WATER STOP VALVE	25.57PR	PRAM RAMP R.L.
	WATER TAP	21.59VC	VEHICLE CROSSING R.L.
	SEWER PIT (<1m)	36.62TW	TOP OF WALL R.L.
	SEWER LAMPHOLE	35.75BW	BOTTOM OF WALL R.L.
	SEWER VENT PIPE	27.20FL	FLOOR LEVEL R.L.
	POWER POLE	21.64AW	AWNING R.L.
	LIGHT	19.63CO	COLUMN R.L.
	ELECTRIC LIGHT POLE	26.24EM	EDGE OF MEDIAN R.L.
	ELEC. PILLAR	26.36TM	TOP OF MEDIAN R.L.
	SMALL ELEC. PIT(<1m)	DR.	DRAINAGE PIT
	SEWER LAMPHOLE	UKN	UNKNOWN PIT
	POWER POLE	WCM	WORLDCOM
	TELEPHONE	TRF	TRAFFIC SIGNAL JUNCTION BOX
	UNIDENTIFIED FEATURE	TEL PIT	TELSTRA PIT
	MISC. UNKNOWN PIT (<1m)		BOUNDARY SITE
	GAS VALVE BOX		APPROXIMATE ADJOINING BOUNDARY
	H.P. GAS PIPELINE MARKER		EASEMENT BOUNDARY
	GRATED DRAINAGE PIT		TRAFFIC LINE MARK–BROKEN
	GRATED DRAINAGE PIT– ROUND		TRAFFIC LINE MARK–CONTINUOUS
	GRATED DRAINAGE PIT LID		DENOTES MAJOR CONTOUR
	SQUARE DRAINAGE PIT		DENOTES MINOR CONTOUR
	ROUND DRAINAGE PIT	TREE S10.0 =SPREAD 1.0ø =DIAMETER H10.0 =HEIGHT	
	BOLLARD		
	SIGN		
	RUBBISH BIN		
	PARKOMETER		
	FLAG POLE		
	TRAFFIC PIT/JUNCTION BOX		
	TRAFFIC LIGHT		
	SURVEY SHOT CROSS		

SHEET AREA: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

DISCLAIMER:

THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY.

THIS INFORMATION WAS COMPILED FROM A COMBINATION OF FIELD TECHNIQUES AND AVAILABLE DATA FROM COOPERATING UTILITY AUTHORITIES. WHILST ALL CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS SURVEY MODEL, RPS CANNOT GUARANTEE THAT THE SURVEY MODEL IS WITHOUT FLAW OR OMISSIONS. RPS CANNOT TAKE RESPONSIBILITY OF ANY KIND WHATSOEVER FOR ANY LOSS, DAMAGE OR OTHER CONSEQUENCES WHICH MAY ARISE FROM ANY PERSON RELYING ON ANY THING STATED ON THIS PLAN.

IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

NOTE ON AS 5488-2013 CLASSIFICATION OF SUBSURFACE UTILITY INVESTIGATION (SUI)

Quality Levels

This Standard provides a framework for the classification of subsurface utility location and attributed information in terms of specified quality levels. The objective of this Standard is to provide utility owners, operators and locators with a framework for the consistent classification of information concerning subsurface utilities. Project risks related to underground utilities can then be properly managed.

A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- EH — HOUSE CONNECTION (EY)
- EC — CONDUIT (ED)
- EZ — LINE-DIGITISED (EZ)
- EU — LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TCS — TRAFFIC SIGNAL DETECTOR (SD)

E COMMS (COMMUNICATIONS)
- TELEPHONE DISTRIBUTION PILLAR (PTDP)
- ABOVE GROUND JOINING POST (PTJP)
- OPTICAL FIBRE JUNCTION BOX (POFJ)
- OPTICAL FIBRE PIT (POFP)
- STD 1.1 m BY 1.1 m MAIN PIT (PTMP)
- TELEPHONE BOX POINT (PTBX)
- TELEPHONE SINGLE CONCRETE PIT (PTSP)
- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
- TELEPHONE TWIN CONCRETE PIT (PTTP)
- OZ — OPTICAL FIBRE-DIGITISED (OZ)
- OU — OPTICAL FIBRE-UNDERGROUND (UZ)
- T — TELEPHONE LINE (TN)
- TZ — TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
- MANHOLE COVER (PGHL)
- METER (PGMR)
- PIPELINE MARKER (PGPM)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- VENT PIPE (PGVP)
- TEST POINT (PGTP)
- EG — ETHANE PIPELINE (HA)
- GH — HOUSE CONNECTION (DG)
- GZ — MAIN-DIGITISED (ZG)
- HG — MAIN-HIGH PRESSURE PIPELINE (HG)
- LG — MAIN-LOW PRESSURE (LG)

E WATR
- AIR VALVE (PWAV)
- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HYDRANT (PWHY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- WH — HOUSE CONNECTION (WY)
- W — MAIN (WM)
- WZ — MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- S — MAIN (SM)
- SZ — MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT POINT (PGUL)
- INLET TO SUMP (PILT)
- INVERT OF PIPE (PINV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DP — DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- ø? — DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FL FLOOR LEVEL
- CB CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNIDENTIFIED POLE (PPOL)
- UNIDENTIFIED SERVICE (PUSR)
- ?P — UNIDENTIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D
- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

UTILITY LEGEND

ELECTRICITY (AUSGRID):
- AC ASBESTOS CEMENT
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE

GAS (JEMENA):
- NB NOMINAL BORE (CAST IRON MAN)
- PE POLYETHYLENE

RMS:
- GI GALVANISED IRON
- HD HEAVY DUTY
- PVC POLYVINYL CHLORIDE

TELSTRA & OPTUS:
- AC ASBESTOS CEMENT
- CONC. CONCRETE
- EW EARTHENWARE
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE

WATER (SYDNEY WATER):
- CICL CAST IRON CEMENT LINED
- DICL DUCTILE IRON CEMENT LINED
- GI GALVANISED IRON
- PVC POLYVINYL CHLORIDE
- VC VITRIFIED CLAY
- SCLIBL STEEL CEMENT LINED INTERNAL BITUMEN LINED

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

HORIZ. SCALE: 1:100 — VERT. SCALE: N/A @ A0

COORDINATES: MGA — DATUM: AHD

ORIGIN: SCIMS — ORIGIN: SCIMS

SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: Sydney Metro city & southwest

SURVEY: L.C. — DATE OF SURVEY: 31.08.2017
DRAWN: K.S. — DATE OF PLAN: 03.11.2017
CHECKED: P.G. — DATE LAST SAVED: 03.11.2017
APPROVED: P.G. — DATE APPROVED: 03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No: NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No: PR124856 — ISSUE: A

www.dialbeforeyoudig.com.au DIAL 1100 BEFORE YOU DIG

SHEET 8 OF 10 SHEETS — SIZE A0

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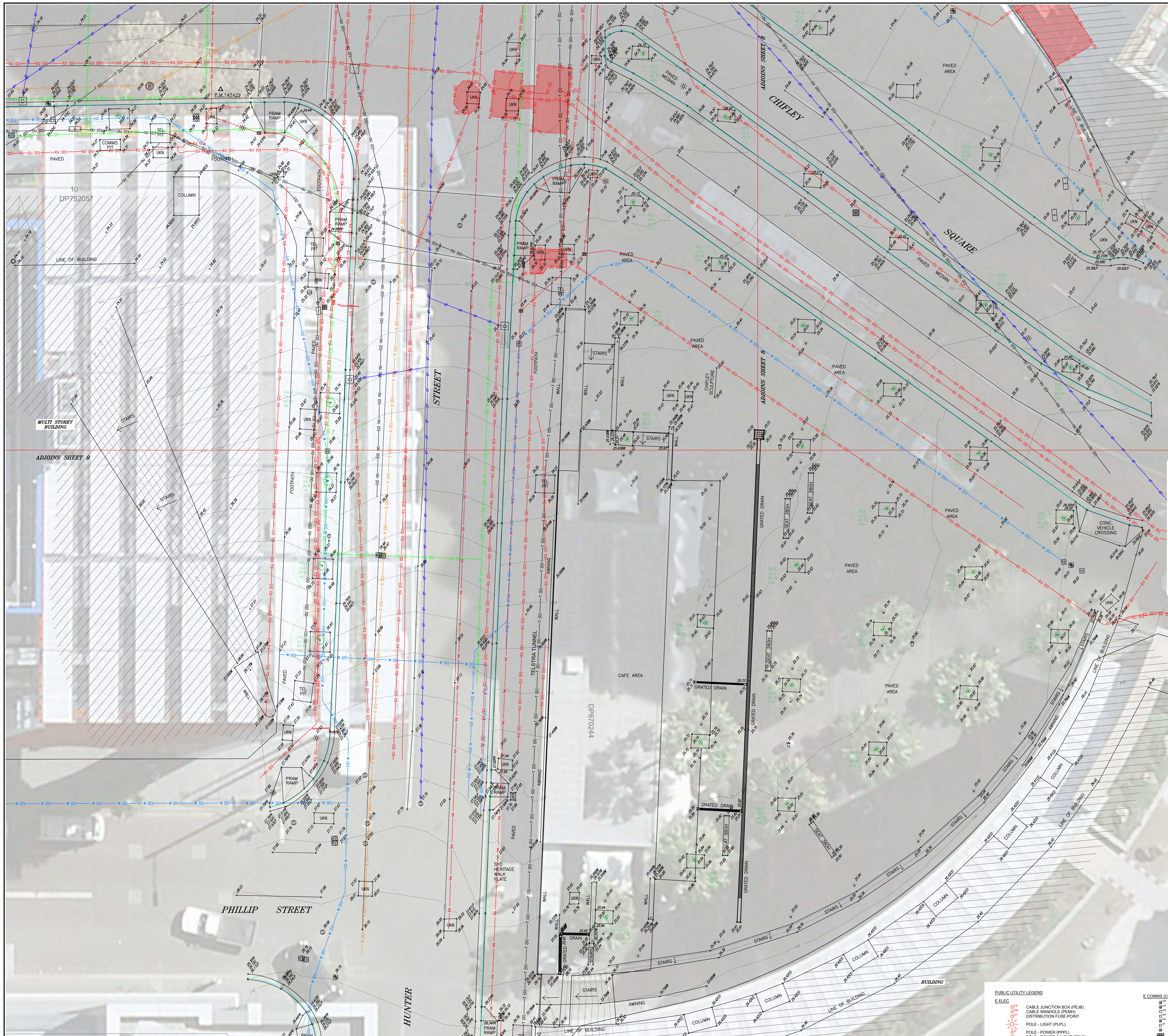

NOTES:

1. THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-MARTIN_PLACE_UTILITIES_SURVEY FIRST PRODUCED ON 28.09.2017.
2. ANY ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.
3. RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
4. ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
5. UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
6. SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
7. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
9. IT REMAINS THE RESPONSIBILITY OF THE COMPANY AND/OR THE INDIVIDUAL CONDUCTING PHYSICAL WORKS TO ENSURE AN UP-TO-DATE VERSION OF DIAL BEFORE YOU DIG PLANS IS CONSULTED AND AVAILABLE ON SITE. PHYSICAL WORKS MAY INCLUDE, BUT NOT BE LIMITED TO, EXCAVATING, BORING (HORIZONTAL AND VERTICAL), AND DRILLING.
10. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT.
11. FOR REASONS OF PLAN PRESENTATION, NOT ALL OF THE INFORMATION CAN BE SHOWN ON THIS PLAN. REFER TO ACCOMPANYING DIGITAL DATA FOR ALL SURVEY INFORMATION AND ATTRIBUTES.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

ADJOINS SHEET 9

BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_TITLE) ARE BY SURVEY AS SHOWN IN PPN DP1232469 (UNREGISTERED - SUBJECT TO REGISTRATION AT LPI NSW).

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_DEPOSITED_PLAN) ARE ORIGINAL PLAN DIMENSIONS TAKEN FROM THE FOLLOWING DEPOSITED PLANS ON RECORD WITH LPI NSW: DP173027, DP222356, DP260232, DP526161, DP548142, DP929277, DP984182, DP1103195 & SP13171.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_ADJACENT_SURVEY) ARE ADJACENT BOUNDARIES BY SURVEY.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) ARE DERIVED FROM SURVEY ACCURATE CADASTRAL MODELING UNDERTAKEN BY RPS (APRIL 2015) AND BASED ON THE NSW LPI DIGITAL CADASTRAL DATABASE. NO FIELD INVESTIGATION HAVE BEEN CARRIED OUT TO CONFIRM THE LOCATION OR DIMENSIONS OF THE MODELING INVESTIGATION.

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A quality level describes the amount and accuracy of information that is collected or held on a subsurface utility.

There are four quality levels: D, C, B and A

Quality Level D (QL-D) is the lowest of these four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of, the following:

(a) Existing records;
(b) Cursory site inspection;
(c) Anecdotal evidence

Quality Level C (QL-C) is described as 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. Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Quality Level B (QL-B) provides relative subsurface feature location in three dimensions. The minimum requirement for Quality Level B is relative spatial position. Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Quality Level A (QL-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 level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

LEGEND

	SURVEY CONTROL MARK	×10.75	SURVEY SHOT R.L.
	TELSTRA PIT - DOUBLE	32.98TK	TOP OF KERB (CONC.) R.L.
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	GAS VALVE BOX		APPROXIMATE ADJOINING BOUNDARY
	H.P. GAS PIPELINE MARKER		EASEMENT BOUNDARY
	GRATED DRAINAGE PIT		TRAFFIC LINE MARK–BROKEN
	GRATED DRAINAGE PIT– ROUND		TRAFFIC LINE MARK–CONTINUOUS
	GRATED DRAINAGE PIT LID		DENOTES MAJOR CONTOUR
	SQUARE DRAINAGE PIT		DENOTES MINOR CONTOUR
	ROUND DRAINAGE PIT	TREE S10.0 1.0ø H10.0	=SPREAD =DIAMETER =HEIGHT
	BOLLARD		
	SIGN		
	RUBBISH BIN		
	PARKOMETER		
	FLAG POLE		SHEET AREA
	TRAFFIC PIT/JUNCTION BOX		
	TRAFFIC LIGHT		
	SURVEY SHOT CROSS		

Sheet area key:

	2			
1	3	4	5	
6	7	8	9	
			10	

PUBLIC UTILITY LEGEND

E ELEC
- CABLE JUNCTION BOX (PEJB)
- CABLE MANHOLE (PEMH)
- DISTRIBUTION FUSE POINT
- POLE - LIGHT (PLPL)
- POLE - POWER (PPPL)
- POLE - POWER & LIGHT (PPLP)
- POWER SERVICE PILLAR - UNDERGROUND (PEUP)
- TRANSFORMER CABINET CENTRE (PETC)
- EH — HOUSE CONNECTION (EY)
- EC — CONDUIT (ED)
- EZ — LINE-DIGITISED (EZ)
- EU — LINE-UNDERGROUND (EU)
- LINE-MINOR TRANSMISSION (UL)

E TCS
- TRAFFIC CONTROL SIGNAL (PSGL)
- TRAFFIC SIGNAL CONTROLLER (PSCL)
- TRAFFIC SIGNAL DETECTOR (PSDR)
- TRAFFIC SIGNAL JUNCTION BOX (PSJX)
- TRAFFIC SIGNAL DETECTOR (SD)

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- OPTICAL FIBRE PIT (POFP)
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- TELEPHONE TRIPLE CONCRETE PIT (PT3P)
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- OZ — OPTICAL FIBRE-DIGITISED (OZ)
- OU — OPTICAL FIBRE-UNDERGROUND (UZ)
- T — TELEPHONE LINE (TN)
- TZ — TELEPHONE LINE-DIGITISED (TZ)
- TELEPHONE SUMP (TS)

E GAS
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- METER (PGMR)
- PIPELINE MARKER (PGPM)
- PIPELINE MARKER - HIGH PRESSURE (PGHM)
- VALVE BOX (PGAS)
- VENT PIPE (PGVP)
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E WATR
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- EARTH TERMINAL (PWET)
- FIRE HYDRANT (PWFB)
- HYDRANT (PWHY)
- METER (PWMR)
- STOP VALVE - RECYCLED (PRSV)
- TAP (PWTP)
- WH — HOUSE CONNECTION (WY)
- W — MAIN (WM)
- WZ — MAIN-DIGITISED (WZ)

E SWER
- MANHOLE COVER (PSMH)
- VENT PIPE (PSVP)
- LAMPHOLE (PSLH)
- S — MAIN (SM)
- SZ — MAIN-DIGITISED (SZ)

E DRAIN (STORMWATER)
- DRAINAGE JUNCTION MANHOLE (PDJM)
- GULLY PIT POINT (PGUL)
- INLET TO SUMP (PILT)
- INVERT OF PIPE (PINV)
- TOP OF CONCRETE JUNCTION BOX (PJBX)
- DOWN PIPE
- DP — DRAINAGE PIT (DP)
- DRAINAGE BOX (DX)
- ø? — DRAINAGE PIPE UNSPECIFIED DIAMETER (UU)

E CULT (CULTURAL)
- SIGN POST (PSIN)
- BOLLARD (AC)
- FL FLOOR LEVEL
- CB CORNER OF BUILDING

E MISC
- GATIC COVER LID (PGAT)
- UNIDENTIFIED POLE (PPOL)
- UNIDENTIFIED SERVICE (PUSR)
- ?P — UNIDENTIFIED SERVICE (UP)

SUI QUALITY CLASSIFICATION
- (A) QUALITY LEVEL A
- (B) QUALITY LEVEL B
- (C) QUALITY LEVEL C
- (D) QUALITY LEVEL D
- ELECTRICITY MAJOR TRANSMISSION LINE (QUALITY LEVEL D)
- ELECTRICITY SUBSTATION (QUALITY LEVEL D)
- STORMWATER CHANNEL (QUALITY LEVEL D)

UTILITY LEGEND

ELECTRICITY (AUSGRID):

AC	ASBESTOS CEMENT
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE

GAS (JEMENA):

NB	NOMINAL BORE (CAST IRON MAN)
PE	POLYETHYLENE

RMS:

GI	GALVANISED IRON
HD	HEAVY DUTY
PVC	POLYVINYL CHLORIDE

TELSTRA & OPTUS:

AC	ASBESTOS CEMENT
CONC.	CONCRETE
EW	EARTHENWARE
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE

WATER (SYDNEY WATER):

CICL	CAST IRON CEMENT LINED
DICL	DUCTILE IRON CEMENT LINED
GI	GALVANISED IRON
PVC	POLYVINYL CHLORIDE
VC	VITRIFIED CLAY
SCLIBL	STEEL CEMENT LINED INTERNAL BITUMEN LINED

DISCLAIMER:

THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY.

THIS INFORMATION WAS COMPILED FROM A COMBINATION OF FIELD TECHNIQUES AND AVAILABLE DATA FROM COOPERATING UTILITY AUTHORITIES. WHILST ALL CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS SURVEY MODEL, RPS CANNOT GUARANTEE THAT THE SURVEY MODEL IS WITHOUT FLAW OR OMISSIONS. RPS CANNOT TAKE RESPONSIBILITY OF ANY KIND WHATSOEVER FOR ANY LOSS, DAMAGE OR OTHER CONSEQUENCES WHICH MAY ARISE FROM ANY PERSON RELYING ON ANY THING STATED ON THIS PLAN.

IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

REVISIONS

No.	DATE	REVISION DETAILS	DRAWN	CHK	APP
A	03.11.2017	INITIAL VERSION	K.S.	C.M.	S.F.G.

HORIZ. SCALE: 1:100 — VERT. SCALE: N/A @ A0
COORDINATES: MGA — DATUM: AHD
ORIGIN: SCIMS — ORIGIN: SCIMS
SCALE IN METRES AT ORIGINAL REDUCTION RATIO (2 1 0 2 4 6)

NOTES

CLIENT: sydney METRO city & southwest

SURVEY:	L.C.	DATE OF SURVEY:	31.08.2017
DRAWN:	K.S.	DATE OF PLAN:	03.11.2017
CHECKED:	P.G.	DATE LAST SAVED:	03.11.2017
APPROVED:	P.G.	DATE APPROVED:	03.11.2017

TITLE: PLAN SHOWING DETAIL & LEVELS OF PART OF MARTIN PLACE, ELIZABETH STREET, CASTLEREAGH STREET, HUNTER STREET AND CHIFLEY SQUARE, SYDNEY NSW 2000

DRAWING No NWRLSRT-RPS-SMP-SR-DWG-000041_MARTIN_PLACE-A.dwg

JOB No PR124856 — ISSUE A

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SHEET 10 OF 10 SHEETS — SIZE A0

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