

NOTES:

- THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL. NWRLSRT-RPS-SCN-SR-DWG-000018-CROWSNEST_B. THIS MODEL SHOULD BE VIEWED IN A CADD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-CROWSNEST-DBYD_DESKTOP_SERVICES FIRST PRODUCED ON 18.07.2017.
- ANY ELECTRONIC FILE IS PROVIDED WITHOUT WARRANTY AND SHOULD BE USED ONLY IN CONJUNCTION WITH THE SUPPLIED PDF/PAPER COPY OF THIS PLAN.
- RPS UTILITY LOCATION USE DIAL BEFORE YOU DIG (DBYD) AS ONE SOURCE OF INFORMATION ONLY WHEN LOCATING UTILITIES.
- ALL GAS UTILITIES ARE CLASS QL-C UNLESS NOTED OTHERWISE OR SHOWN AS DIGITISED.
- UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).
- SINGLE STRINGS MAY REPRESENT MULTIPLE CABLES, CONDUITS OR PIPES.
- ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.
- NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.
- 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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 - CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.

BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_CROWS NEST) ARE BY SURVEY AS SHOWN IN PPN DP1232021 (UNREGISTERED) AND ARE SUBJECT TO REGISTRATION AT LPI NSW.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_STRATUM) COVERING PART OF HUME STREET AND CLARKE LANE ARE PROPOSED SUB-STRATUM LOTS AS SHOWN IN PPN DP1232021 AND ARE SUBJECT TO REGISTRATION AT LPI NSW. THE STRATUM EXTENTS OF THESE PROPOSED LOTS ARE NOT REPRESENTED ON THIS PLAN - REFER PPN DP1232021 FOR STRATUM LIMITATIONS.

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NO EASEMENT INVESTIGATION HAS BEEN UNDERTAKEN ON ANY OF THE PROPERTIES ADJOINING THE SURVEY AREA.

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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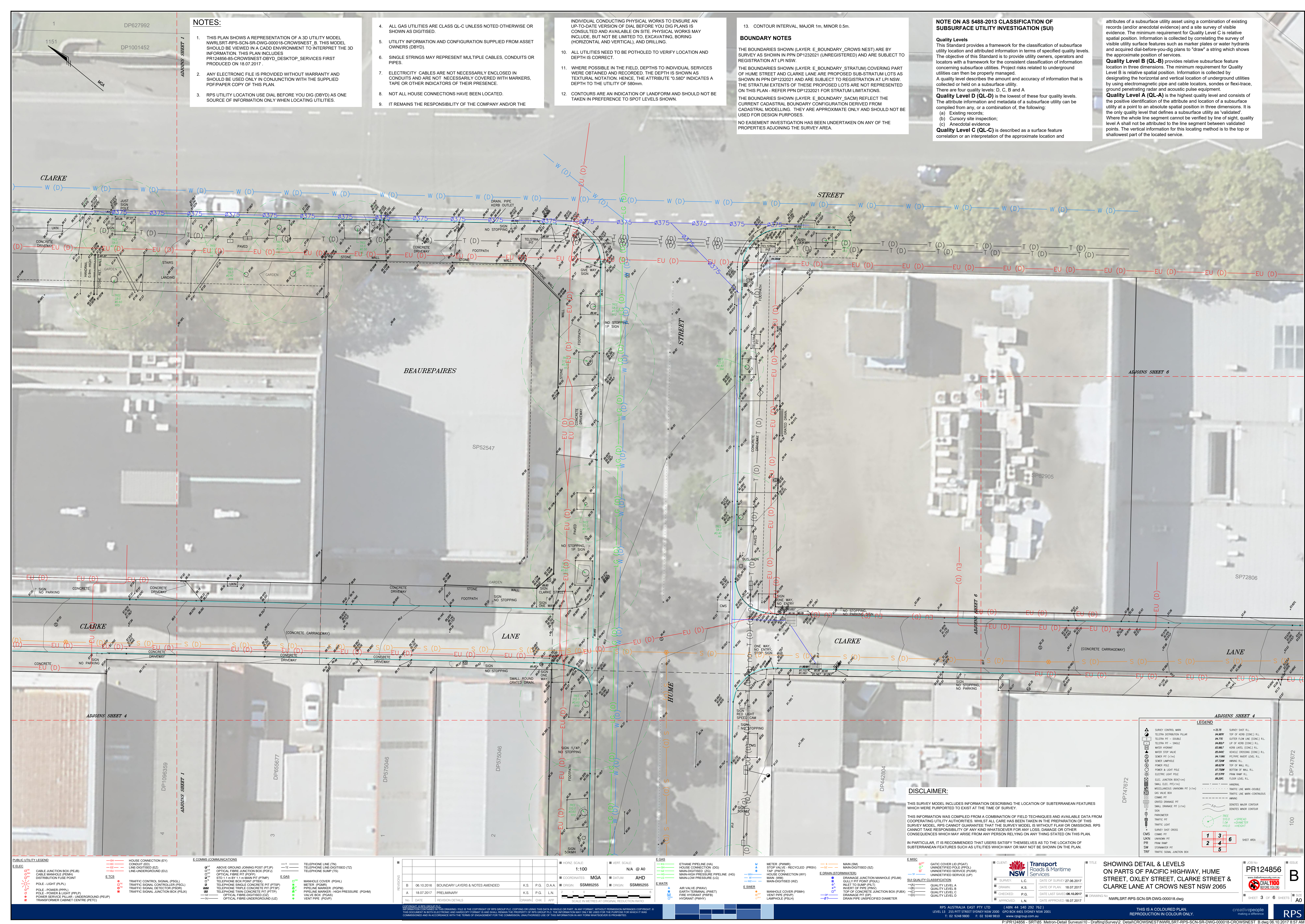
PUBLIC UTILITY LEGEND		E COMMUNICATIONS	
	HOUSE CONNECTION (EY)		TELEPHONE LINE (TN)
	CABLE JUNCTION BOX (PEAB)		TELEPHONE LINE DIGITISED (TZ)
	CABLE MANHOLE (POM)		TELEPHONE SUMP (TS)
	DISTRIBUTION FUSE POINT		
	POLE - LIGHT (PLPL)		MANHOLE COVER (POM)
	POLE - POWER (PPPL)		METER (PUMP)
	POLE - POWER & LIGHT (PPPLP)		PIPELINE MARKER - HIGH PRESSURE (PGHM)
	POWER SERVICE PILLAR - UNDERGROUND (PEUP)		VENT PIPE (PVP)
	TRANSFORMER CABINET CENTRE (PFC)		TELEPHONE LINE (TN)
			TELEPHONE LINE DIGITISED (TZ)
			TELEPHONE SUMP (TS)

				■ HORIZ. SCALE: 1:100				■ VERT. SCALE: N/A @ A0			
				■ COORDINATES: MGA				■ DATUM: AHD			
				■ ORIGN: SSM85255				■ ORIGN: SSM85255			
REVISIONS											
B		06.10.2016		BOUNDARY LAYERS & NOTES AMENDED		K.S.		P.G.		O.A.A	
A		18.07.2017		PRELIMINARY		K.S.		P.G.		L.N	
No.		DATE		REVISION DETAILS		DRAWN		CHK		APP	
SCALE IN METRES AT ORIGINAL REDUCTION RATIO											

E GAS		E WATER		E MISC	
	ETHANE PIPELINE (WA)		METER (PWAR)		MAIN (SM)
	HOSE CONNECTION (DZ)		STOP VALVE - RECYCLED (PRSV)		MANHOLEDIGITISED (SZ)
	MANHOLEDIGITISED (SZ)		TAP (PWTP)		E DRAIN (STORMWATERS)
	MANHOLE PRESSURE PIPELINE (HNG)		WY HOSE CONNECTION (HY)		DRAINAGE JUNCTION MANHOLE (PJOM)
	MAIN LOW PRESSURE (GL)		MANHOLEDIGITISED (WZ)		GULLY PIT POINT (PGLA)
	AIR VALVE (WV)		MANHOLE COVER (PSMH)		INLET TO BUMP (PLT)
	DRIVE TERMINAL (PWET)		VENT PIPE (PVP)		INVERT OF PIPE (PIV)
	FIRE HYDRANT (PWFB)		LAMPPOLE (PLH)		TOP OF CONCRETE JUNCTION BOX (PJXB)
	HYDRANT (PWHT)				DRAINAGE PIT (DP)
					DRAIN PIPE UNSPECIFIED DIAMETER

GATIC COVER LID (PGAT) UNIDENTIFIED POLE (PROJ) UNIDENTIFIED SERVICE (PUP) UNIDENTIFIED SERVICE (USR)		■ CLIENT	 Transport Roads & Maritime Services	■ TITLE	SHOWING DETAIL & LEVELS ON PARTS OF PACIFIC HIGHWAY STREET, OXLEY STREET, CLARKE CLARKE LANE AT CROWS N	
CITY CLASSIFICATION		■ SURVEY		L.C.		DATE OF SURVEY: 27.06.2017
■ QUALITY LEVEL A ■ QUALITY LEVEL B ■ QUALITY LEVEL C ■ QUALITY LEVEL D		■ DRAWN		K.S.		DATE OF PLAN: 18.07.2017
		■ CHECKED		P.G.		DATE LAST SAVED: 06.10.2017
		■ APPROVED	L.N.	DATE APPROVED: 18.07.2017	■ DRAWING NO:	
					NWRLSRT-RPS-SCN-SR-DWG-000018.dwg	

PROJECT		ISSUE	
	PR124856	B	AO
SHEET 1 OF 6 SHEETS		RPS	



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 - CONTOUR INTERVAL, MAJOR 1m, MINOR 0.5m.

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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:

- Existing records;
- Cursory site inspection;
- 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 based on 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.

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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.

SHOWING DETAIL & LEVELS
ON PARTS OF PACIFIC HIGHWAY, HUME STREET, OXLEY STREET, CLARKE STREET & CLARKE LANE AT CROWNS NEST NSW 2065

PR124856
DIAL100
SHEET 4 OF 6 SHEETS
RPS

NSW
Roads & Maritime
Services
DATE OF SURVEY: 27.06.2017
DATE OF PLAN: 18.07.2017
DATE LAST SAVED: 06.10.2017
DATE APPROVED: 18.07.2017

QUALITY LEVELS
QUALITY LEVEL A
QUALITY LEVEL B
QUALITY LEVEL C
QUALITY LEVEL D

ETHANE PIPELINE (HA)
HOUSE CONNECTION (DO)
MAIN DIGITISED (ZD)
MAIN HIGH PRESSURE PIPELINE (HG)
MAIN LOW PRESSURE (LG)
METER (PW/M)
STOP VALVE- RECYCLED (PRSV)
TAP (PW/T)
HOUSE CONNECTION (WY)
MAIN (DM)
MAIN DIGITISED (WZ)
MANHOLE COVER (PSM)
VENT PIPE (PSVP)
LAMPPOLE (PLH)

REVISIONS
B 06.10.2016 BOUNDARY LAYERS & NOTES AMENDED
A 18.07.2017 PRELIMINARY
No. DATE REVISION DETAILS

LEGEND
PUBLIC UTILITY LEGEND
ELEC
HOUSE CONNECTION (EY)
CONDUIT (ED)
LINE-DIGITISED (ED)
LINE-UNDERGROUND (EU)
TRAFFIC CONTROL SIGNAL (PSGL)
TRAFFIC SIGNAL CONTROLLER (PSCCL)
TRAFFIC SIGNAL DETECTOR (PSGD)
TRAFFIC SIGNAL JUNCTION BOX (PSJX)

LEGEND
SURVEY CONTROL MARK
TELEPHONE DISTRIBUTION PILLAR
TELEPHONE PILE - DOUBLE
TELEPHONE PILE - SINGLE
WATER MAST
WATER STOP VALVE
POWER PILE (C+M)
CROSS LAMPPOST
POWER POLE
POWER & LIGHT POLE
ELECTRIC LIGHT POLE
ELECT. JUNCTION BOX (C+M)
SMALL ELEC. PILE (C+M)
WATER MAST
WATER STOP VALVE
POWER PILE (C+M)
CROSS LAMPPOST
POWER POLE
POWER & LIGHT POLE
ELECTRIC LIGHT POLE
ELECT. JUNCTION BOX (C+M)
SMALL ELEC. PILE (C+M)
WATER MAST
WATER STOP VALVE
POWER PILE (C+M)
CROSS LAMPPOST
POWER POLE
POWER & LIGHT POLE
ELECTRIC LIGHT POLE
ELECT. JUNCTION BOX (C+M)
SMALL ELEC. PILE (C+M)

NOTES:

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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'.
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level A shall not be attributed to the line segment between validated
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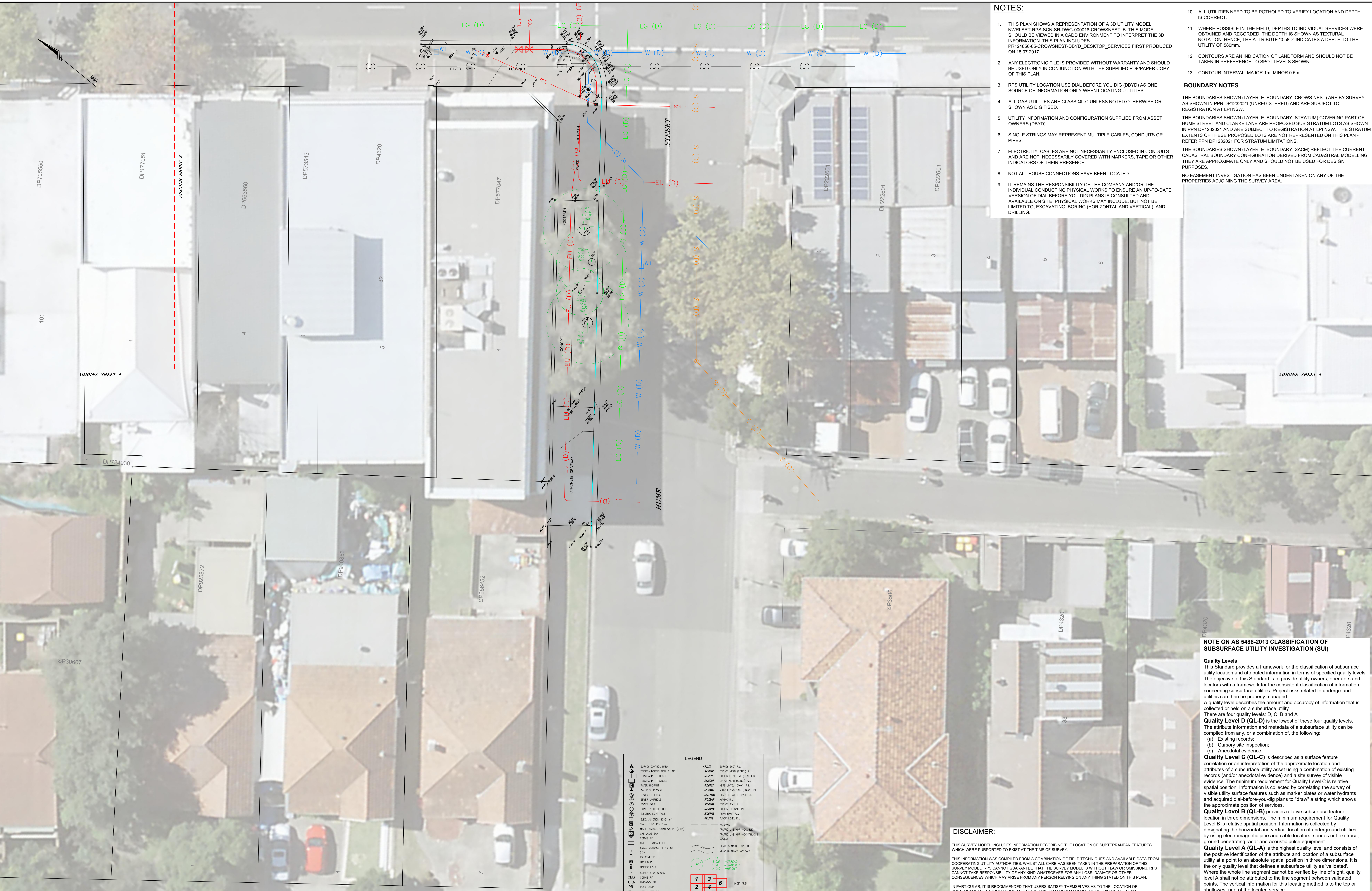
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SHOWING DETAIL & LEVELS
ON PARTS OF PACIFIC HIGHWAY, HUME
STREET, OXLEY STREET, CLARKE STREET &
CLARKE LANE AT CROWS NEST NSW 2065

PR124856
SHEET 5 OF 6
RPS

RPS AUSTRALIA EAST PTY LTD (ABN 14 340 292 762)
LEVEL 13 255 PITT STREET SYDNEY NSW 2000 GPO BOX 4401 SYDNEY NSW 2001
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PIPR124856 - SRT185_Metron-Detail Surveys10 - Drafting/Survey2. DetailCROWSNESSTNWRLSRT-RPS-SCN-SR-DWG-000018-CROWSNESST_B.dwg 06.10.2017 8:57 AM



PUBLIC UTILITY LEGEND		E COMMUNICATIONS		TELEPHONE LINE (TN)	
—(D)—	HOUSE CONNECTION (EY)	—(D)—	CONDUIT (ED)	—(D)—	TELEPHONE LINE (TN)
—(D)—	CONDUIT (ED)	—(D)—	LINE-UNDERGROUND (EU)	—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	CABLE MANHOLE (POM)	—(D)—	TRAFFIC CONTROL SIGNAL (PSGL)	—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	DISTRIBUTION FUSE POINT	—(D)—	TRAFFIC SIGNAL CONTROLLER (PSCU)	—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	POLE - LIGHT (PLPL)	—(D)—	TRAFFIC SIGNAL DETECTOR (PSDI)	—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	POLE - POWER (PPPL)	—(D)—	TRAFFIC SIGNAL JUNCTION BOX (PSJX)	—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	POLE - POWER & LIGHT (PPPLP)	—(D)—		—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	POWER SERVICE PILLAR - UNDERGROUND (PEUP)	—(D)—		—(D)—	TELEPHONE LINE-DIGITISED (TZ)
—(D)—	TRANSFORMER CABINET CENTRE (PCTC)	—(D)—		—(D)—	TELEPHONE LINE-DIGITISED (TZ)

E COMMUNICATIONS		TELEPHONE LINE (TN)	
—(D)—	ABOVE GROUND JOINTING POST (PTJP)	—(D)—	CONDUIT (ED)
—(D)—	OPTICAL FIBRE JUNCTION BOX (POFJ)	—(D)—	LINE-UNDERGROUND (EU)
—(D)—	OPTICAL FIBRE PIT (POFP)	—(D)—	TRAFFIC CONTROL SIGNAL (PSGL)
—(D)—	STD 1.1m BY 1.1m MAIN PIT (PTMP)	—(D)—	TRAFFIC SIGNAL CONTROLLER (PSCU)
—(D)—	TELEPHONE BOX POINT (PBOX)	—(D)—	TRAFFIC SIGNAL DETECTOR (PSDI)
—(D)—	TELEPHONE SINGLE CONCRETE PIT (PTSP)	—(D)—	TRAFFIC SIGNAL JUNCTION BOX (PSJX)
—(D)—	TELEPHONE TRIPLE CONCRETE PIT (PTTP)	—(D)—	
—(D)—	TELEPHONE TWIN CONCRETE PIT (PTTP)	—(D)—	
—(D)—	PIPELINE MARKER - HIGH PRESSURE (PGHM)	—(D)—	
—(D)—	VALVE BOX (POVB)	—(D)—	
—(D)—	VENT PIPE (POVP)	—(D)—	

REVISIONS		COORDINATES		DATUM	
No.	DATE	REVISION DETAILS	BY	DATE	REVISION DETAILS
B	06.10.2016	BOUNDARY LAYERS & NOTES AMENDED	K.S.	P.G.	D.A.A.
A	18.07.2017	PRELIMINARY	K.S.	P.G.	L.N.

HORIZ. SCALE:		VERT. SCALE:	
1:100	NIA @ A0	1:100	NIA @ A0

E GAS		E WATER	
—(D)—	ETHANE PIPELINE (HA)	—(D)—	STOP VALVE - RECYCLED (PRSV)
—(D)—	HOUSE PIPELINE (HOP)	—(D)—	STOP VALVE - UNIDENTIFIED (PUV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)
—(D)—	MAIN-DIGITISED (ZD)	—(D)—	STOP VALVE - UNIDENTIFIED SERVICE (PUSV)

E MISC		E MISC	
—(D)—	GATIC COVER LID (PGAT)	—(D)—	UNIDENTIFIED POLE (PPOL)
—(D)—	UNIDENTIFIED POLE (PPOL)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)
—(D)—	UNIDENTIFIED SERVICE (PUSV)	—(D)—	UNIDENTIFIED SERVICE (PUSV)

CLIENT		PROJECT	
NSW	Transport Roads & Maritime Services	NSW	Transport Roads & Maritime Services
—(D)—	DATE OF SURVEY: 27.06.2017	—(D)—	DATE OF SURVEY: 27.06.2017
—(D)—	DATE OF PLAN: 18.07.2017	—(D)—	DATE OF PLAN: 18.07.2017
—(D)—	DATE LAST SAVED: 06.10.2017	—(D)—	DATE LAST SAVED: 06.10.2017
—(D)—	DATE APPROVED: 18.07.2017	—(D)—	DATE APPROVED: 18.07.2017

DRAWING BY		DRAWING NO.	
NSW	Transport Roads & Maritime Services	NSW	Transport Roads & Maritime Services
—(D)—	DATE OF SURVEY: 27.06.2017	—(D)—	DATE OF SURVEY: 27.06.2017
—(D)—	DATE OF PLAN: 18.07.2017	—(D)—	DATE OF PLAN: 18.07.2017
—(D)—	DATE LAST SAVED: 06.10.2017	—(D)—	DATE LAST SAVED: 06.10.2017
—(D)—	DATE APPROVED: 18.07.2017	—(D)—	DATE APPROVED: 18.07.2017

DRAWING BY		DRAWING NO.	
NSW	Transport Roads & Maritime Services	NSW	Transport Roads & Maritime Services
—(D)—	DATE OF SURVEY: 27.06.2017	—(D)—	DATE OF SURVEY: 27.06.2017
—(D)—	DATE OF PLAN: 18.07.2017	—(D)—	DATE OF PLAN: 18.07.2017
—(D)—	DATE LAST SAVED: 06.10.2017	—(D)—	DATE LAST SAVED: 06.10.2017
—(D)—	DATE APPROVED: 18.07.2017	—(D)—	DATE APPROVED: 18.07.2017

DRAWING BY		DRAWING NO.	
NSW	Transport Roads & Maritime Services	NSW	Transport Roads & Maritime Services
—(D)—	DATE OF SURVEY: 27.06.2017	—(D)—	DATE OF SURVEY: 27.06.2017
—(D)—	DATE OF PLAN: 18.07.2017	—(D)—	DATE OF PLAN: 18.07.2017
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—(D)—	DATE APPROVED: 18.07.2017	—(D)—	DATE APPROVED: 18.07.2017

