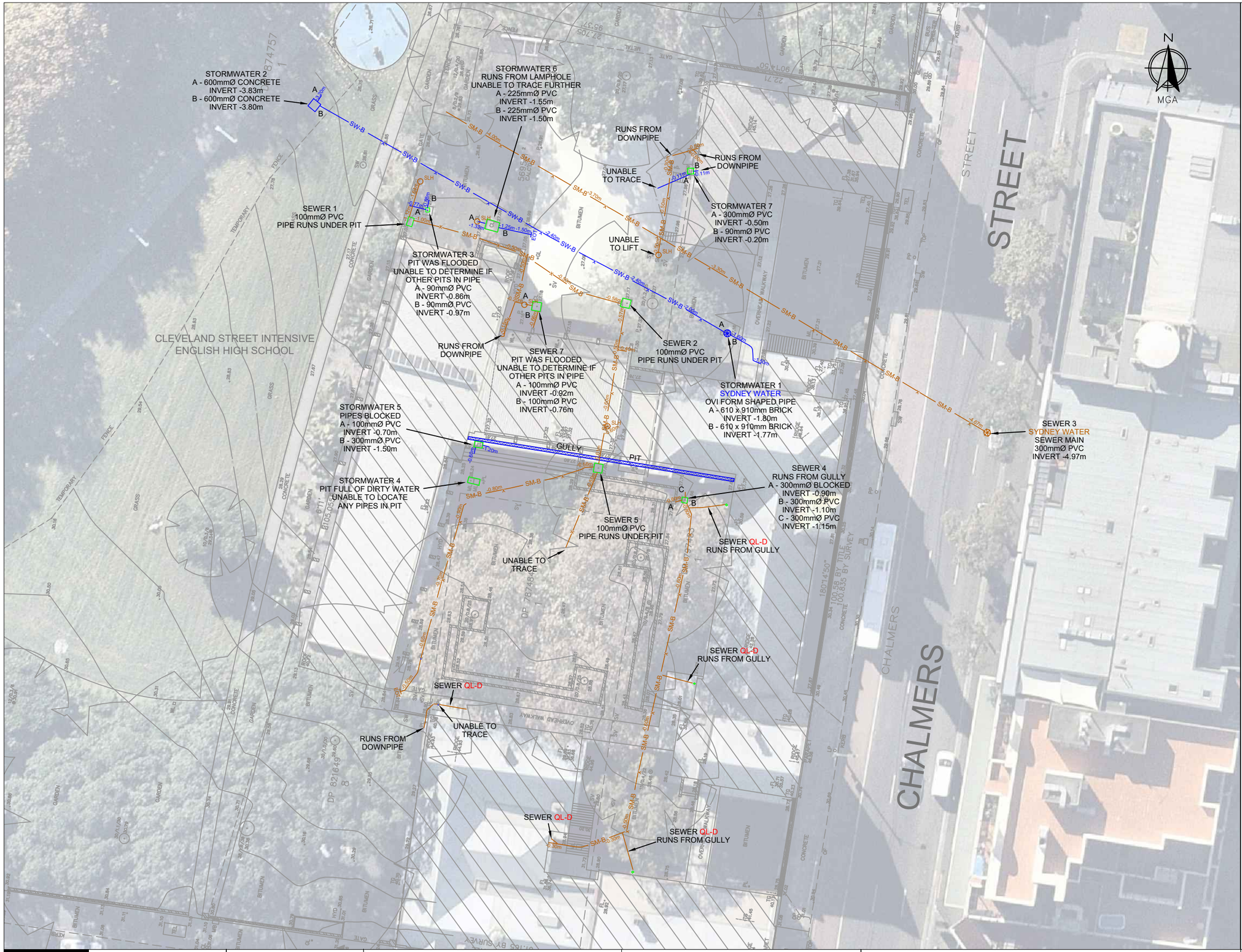

PUBLIC UTILITY LEGEND

ELECTRICITY	—x—	EU-A-B-C-D
ELECTRICITY HV	—x—	HV-A-B-C-D
TELSTRA	—x—	TN-A-B-C-D
OPTIC FIBRE	—x—	OU-A-B-C-D
RMS	—x—	RMS-A-B-C-D
LOW PRESSURE GAS	—x—	LG-A-B-C-D
HIGH PRESSURE GAS	—x—	HG-A-B-C-D
WATER MAIN	—x—	WM-A-B-C-D
FIRE MAIN	—x—	OU-A-B-C-D
SEWER MAIN	—x—	SM-A-B-C-D
STORMWATER	—x—	SW-A-B-C-D
UNKNOWN SERVICE	—x—	UP-A-B-C-D

HYDRANT	RH
STOP VALVE	
WATER METER	
WATER TAP	
TELEPHONE PIT	
TELEPHONE TWIN PIT	
TELEPHONE LARGE SUMP	
LIGHT POLE	
ELECT. LIGHT POLE	
RMS TRAFFIC LIGHT	
RMS SIGNAL PIT	
SEWER MANHOLE	
SEWER LAMPHOLE	SLH
DRAINAGE JUNCTION MANHOLE	
END OF TRACE	EOT

NOTES

1. THIS PLAN SHOWS A REPRESENTATION OF THE DWG MODEL. THIS MODEL SHOULD BE VIEWED IN A CADD ENVIRONMENT TO INTERPRET THE INFORMATION.

2. THIS UTILITY PLAN IS VALID FOR 28 DAYS STARTING FROM THE DATE OF THE ISSUE. AS UNDERGROUND UTILITY WORKS ARE OFTEN UPDATED, SURESEARCH PLANS MUST ABIDE BY THE DBYD REGULATIONS TO PROTECT THEIR UNDERGROUND ASSETS.

3. THIS UTILITY PLAN HAS BEEN DRAWN TO SCALE, AND ANY REPRODUCTION OF THIS PLAN WILL NEED TO BE DRAWN IN COLOUR AND AT THIS SCALE TO ENSURE THAT ALL RELEVANT NOTES AND ENHANCEMENTS ARE SHOWN. FAILURE TO DO THIS WILL VOID ALL INFORMATION INDICATED FOR THIS JOB.

4. ALL TELSTRA ASSETS HAVE BEEN LOCATED & SURVEYED TO QL-C. ANY DEPTHS OTHER THAN THOSE AT VISIBLE POINTS I.E. PITS, ACCESS CHAMBERS & POTHOLES HAVE BEEN ASSUMED AND LEVELED BASED OFF POSITIONS AND POINTS THAT MEET QL-A REQUIREMENTS AND SHOULD BE USED AS A GUIDE ONLY. IF FURTHER ACCURACY IS REQUIRED THAN POT HOLING WOULD NEED TO BE UNDERTAKEN.

5. ELECTRICITY CABLES ARE NOT NECESSARILY ENCLOSED IN CONDUITS AND ARE NOT NECESSARILY COVERED WITH MARKERS, TAPE OR OTHER INDICATORS OF THEIR PRESENCE.

6. ALL SERVICES HAVE BEEN ELECTRONICALLY TRACED IN THE FIELD AND ARE SHOWN HERE FOR DIAGRAMMATIC PURPOSES ONLY. DEPTHS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED PRIOR TO WORKS.

7. SERVICES SHOWN DIGITISED HAVE BEEN PLACED FROM RELEVANT AUTHORITY PLANS AND ARE SHOWN AS QL-D.

8. ALL UTILITIES NEED TO BE POT HOLED TO VERIFY LOCATION AND DEPTHS IS CORRECT, THAT IS QL-A.

9. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.

SUBSURFACE UTILITY INFORMATION (SUI) AS5488 LOCATION CLASS
Labelling utility information by a classification code allows the user of this information to understand clearly how the information was collected and then place an appropriate amount of reliance on it. Project risks related to underground utilities can then be properly managed.
Line work sample; ----x--EU-B--- Quality level represented within linework, Underground Electricity (Quality Level 'B').

QL-A: Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a non-destructiveexcavation (pot holing) technique. The vertical information for this locating method is to the top or shallowest part of the located service. The 3D location is recorded by survey as an X, Y, Z coordinate.

QL-B: 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. This is the most common form of utility locating and although an X, Y and Z axis can be established it is not always entirely accurate due to differing electromagnetic fields, soil conditions and multiple banks of cables affecting the locating signal.

QL-C: 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. This method does not usually show multiple banks of cables and does not always show three dimensional information.

QL-D: Information is the most basic level of utility locations using only information based on existing Dial-Before-You-Dig plans and by measuring boundary offsets etc. This method of utility locations should always be treated as an indication of the presence of a service only and should not be used for design.

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

SureSearch UNDERGROUND SERVICES

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ORIGIN OF SURVEY
PM: 46916
MGA
E 333730.71
N 6248692.597
AHD 28.577

A3 SCALES
0 4 8 12 16 20
SCALE 1:400m

CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD

ISO 14001:2004 REGISTERED FIRM
BS OHSAS 18001:2007 REGISTERED FIRM
ISO 9001:2008 REGISTERED FIRM

SureSearch UNDERGROUND SERVICES
1300 884 520
www.suresearch.com.au

NORTHROP CONSULTING ENGINEERS

JOB NO 41670
CNR CLEVELAND AND CHALMERS STREETS, REDFERN
SEWER AND STORMWATER INVESTIGATION

SURVEYED: N BARGE	DATE: 10-06-2016	FILE NAME: 41670_Northrop_Chalmers St_00
COMPILED: J SAVAGE	DATE: 16-06-2016	MODEL NAME:
REVIEWED: D YOO	DATE: 17-06-2016	
ISSUED BY: D ROSADI	DATE: 17-06-2016	SHEET 1 of 1 SHEETS