SURVEY PLAN

APPENDIX B

THIS PLAN SHOWS A REPRESENTATION OF A 3D UTILITY MODEL PR124856-85-NWRLSRT-RPS-SWS-SR-DWG-000013_WATERLOO STATION-D. THIS MODEL SHOULD BE VIEWED IN A CAD ENVIRONMENT TO INTERPRET THE 3D INFORMATION. THIS PLAN INCLUDES PR124856-85-WATERLOO_STATION_UTILITIES_SURVEY FIRST PRODUCED ON 09.08.2017.

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

UTILITY INFORMATION AND CONFIGURATION SUPPLIED FROM ASSET OWNERS (DBYD).

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. WHERE POSSIBLE IN THE FIELD, DEPTHS TO INDIVIDUAL SERVICES WERE OBTAINED AND RECORDED. THE DEPTH IS SHOWN AS TEXTURAL NOTATION. HENCE, THE ATTRIBUTE "0.58D" INDICATES A DEPTH TO THE UTILITY OF 580mm.
12. CONTOURS ARE AN INDICATION OF LANDFORM AND SHOULD NOT BE TAKEN IN PREFERENCE TO SPOT LEVELS SHOWN.
13. CONTOUR INTERVAL, MAJOR 1m, MINOR 0.25m.

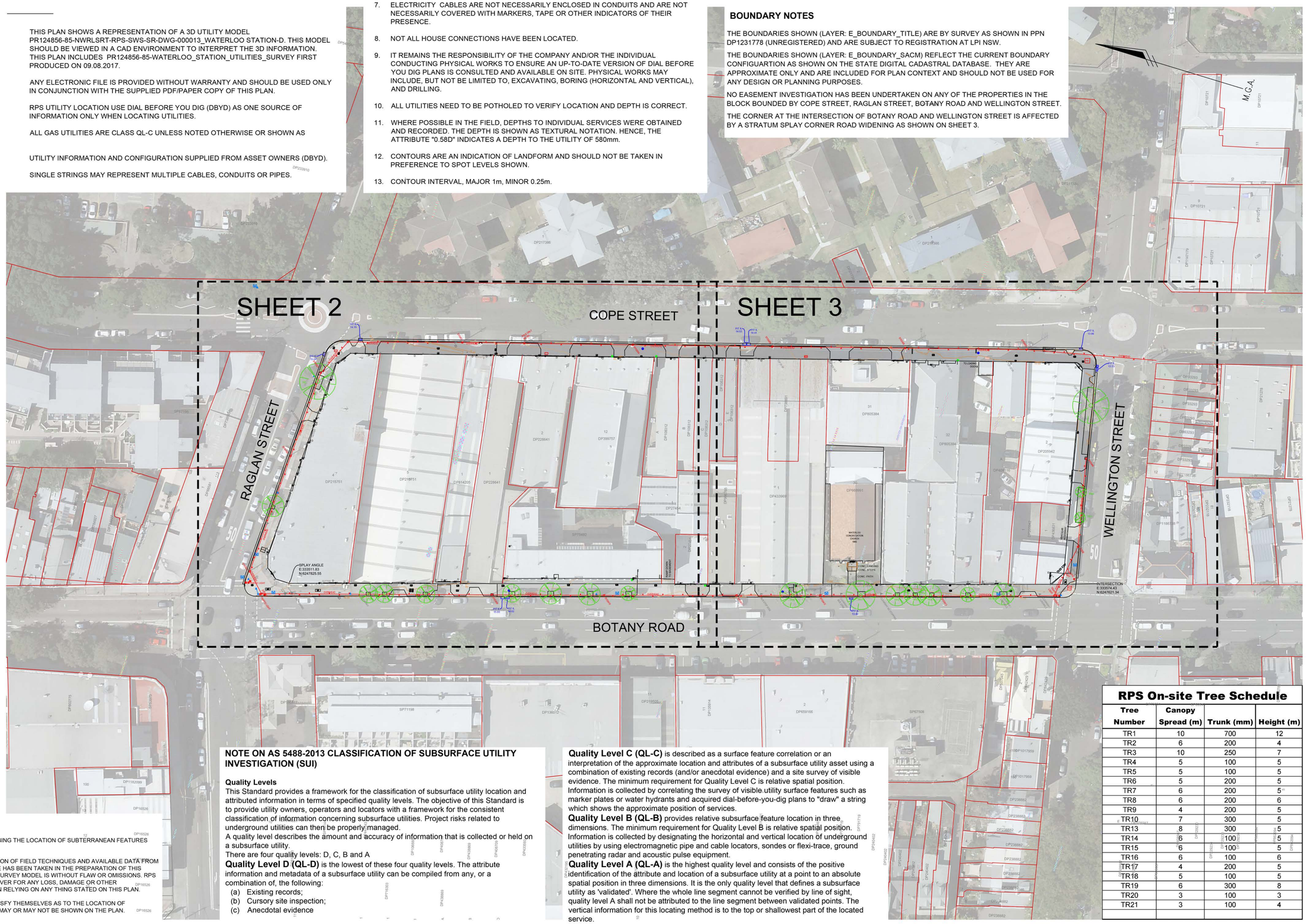
BOUNDARY NOTES

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_TITLE) ARE BY SURVEY AS SHOWN IN PPN DP1231778 (UNREGISTERED) AND ARE SUBJECT TO REGISTRATION AT LPI NSW.

THE BOUNDARIES SHOWN (LAYER: E_BOUNDARY_SACM) REFLECT THE CURRENT BOUNDARY CONFIGUARTION 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.

NO EASEMENT INVESTIGATION HAS BEEN UNDERTAKEN ON ANY OF THE PROPERTIES IN THE BLOCK BOUNDED BY COPE STREET, RAGLAN STREET, BOTANY ROAD AND WELLINGTON STREET.

THE CORNER AT THE INTERSECTION OF BOTANY ROAD AND WELLINGTON STREET IS AFFECTED BY A STRATUM SPLAY CORNER ROAD WIDENING AS SHOWN ON SHEET 3.



THIS SURVEY MODEL INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES

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.

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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.

RPS On-site Tree Schedule

Tree Number	Canopy Spread (m)	Trunk (mm)	Height (m)
TR1	10	700	12
TR2	6	200	4
TR3	10	250	7
TR4	5	100	5
TR5	5	100	5
TR6	5	200	5
TR7	6	200	5
TR8	6	200	6
TR9	4	200	5
TR10	7	300	5
TR13	8	300	5
TR14	6	100	5
TR15	6	100	5
TR16	6	100	6
TR17	4	200	5
TR18	5	100	5
TR19	6	300	8
TR20	3	100	3
TR21	3	100	4

SFG			
SFG			
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SFG			
APP			

HORIZ. SCALE: 1:500
VERT. SCALE: N/A @ A1
COORDINATES: MGA SSM16636
DATUM: AHD SSM16636
10 5 0 10 20 30
SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

CLIENT: Transport NSW | Roads & Maritime Services
[Client Name or Logo]

SURVEY:	RPS	DATE OF SURVEY:	26.07.2017
DRAWN:	JMJ	DATE OF PLAN:	09.08.2017
CHECKED:	DAA	DATE LAST SAVED:	12.07.2018
APPROVED:	SFG	DATE APPROVED:	09.08.2017

TITLE: DETAIL SURVEY - BOTANY ROAD, RAGLAN STREET, COPE STREET, WELLINGTON STREET, WATERLOO

DRAWING No: PR124856-85-NWRLSRT-RPS-SWS-SR-DWG-000013.dwg

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ISSUE: D

SHEET 1 OF 3 SHEETS

SIZE: A1

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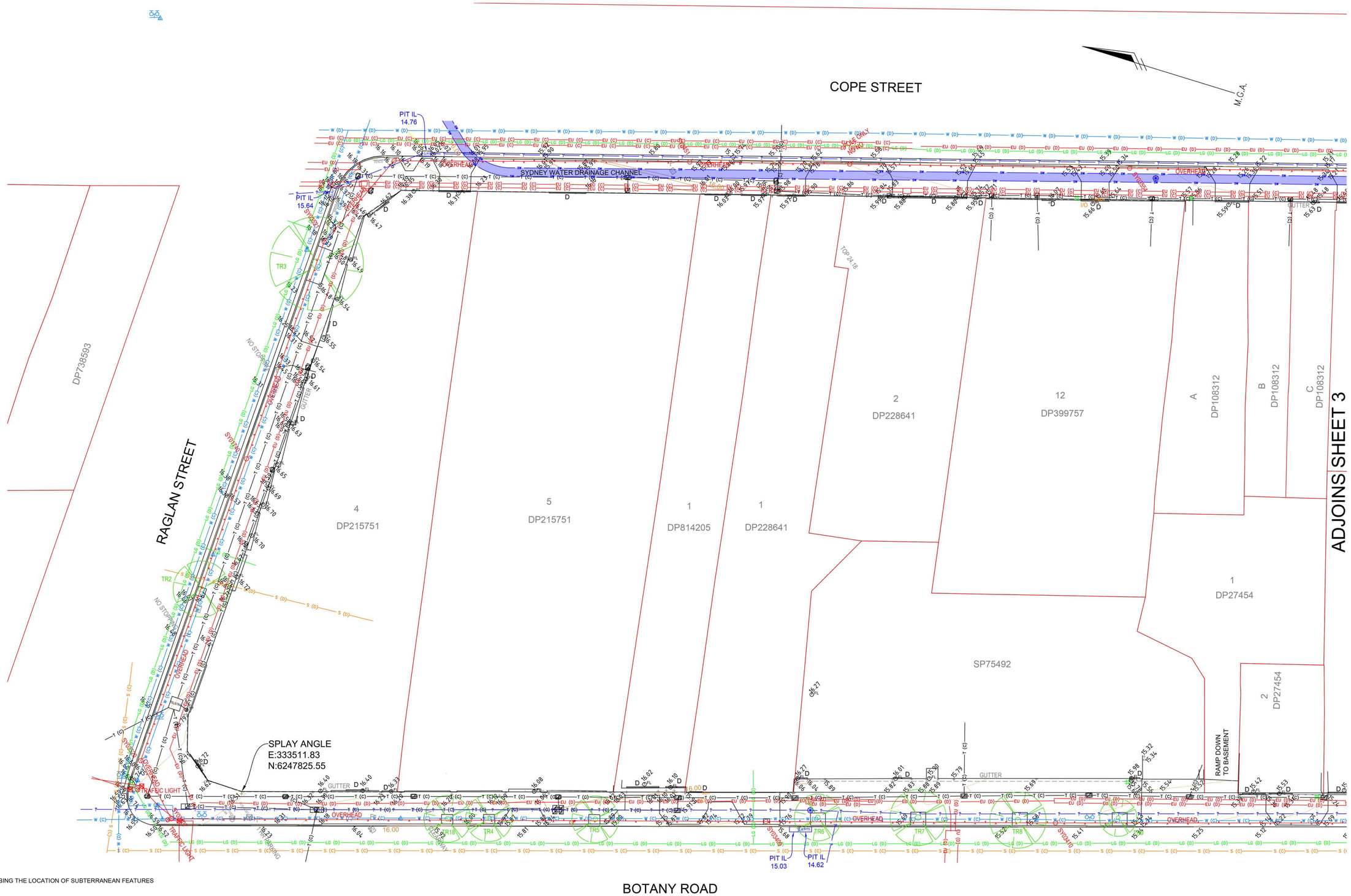

ADJOINS SHEET 3

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				SFG
				SFG
				SFG
				SFG
				APP

HORIZ. SCALE: 1:200
VERT. SCALE: N/A @ A1
COORDINATES: MGA SSM16636
DATUM: AHD SSM16636
4 2 0 4 8 12
SCALE IN METRES AT ORIGINAL REDUCTION RATIO

NOTES

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Client Name or Logo

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DRAWN: JMJ	DATE OF PLAN: 09.08.2017
CHECKED: DAA	DATE LAST SAVED: 12.07.2018
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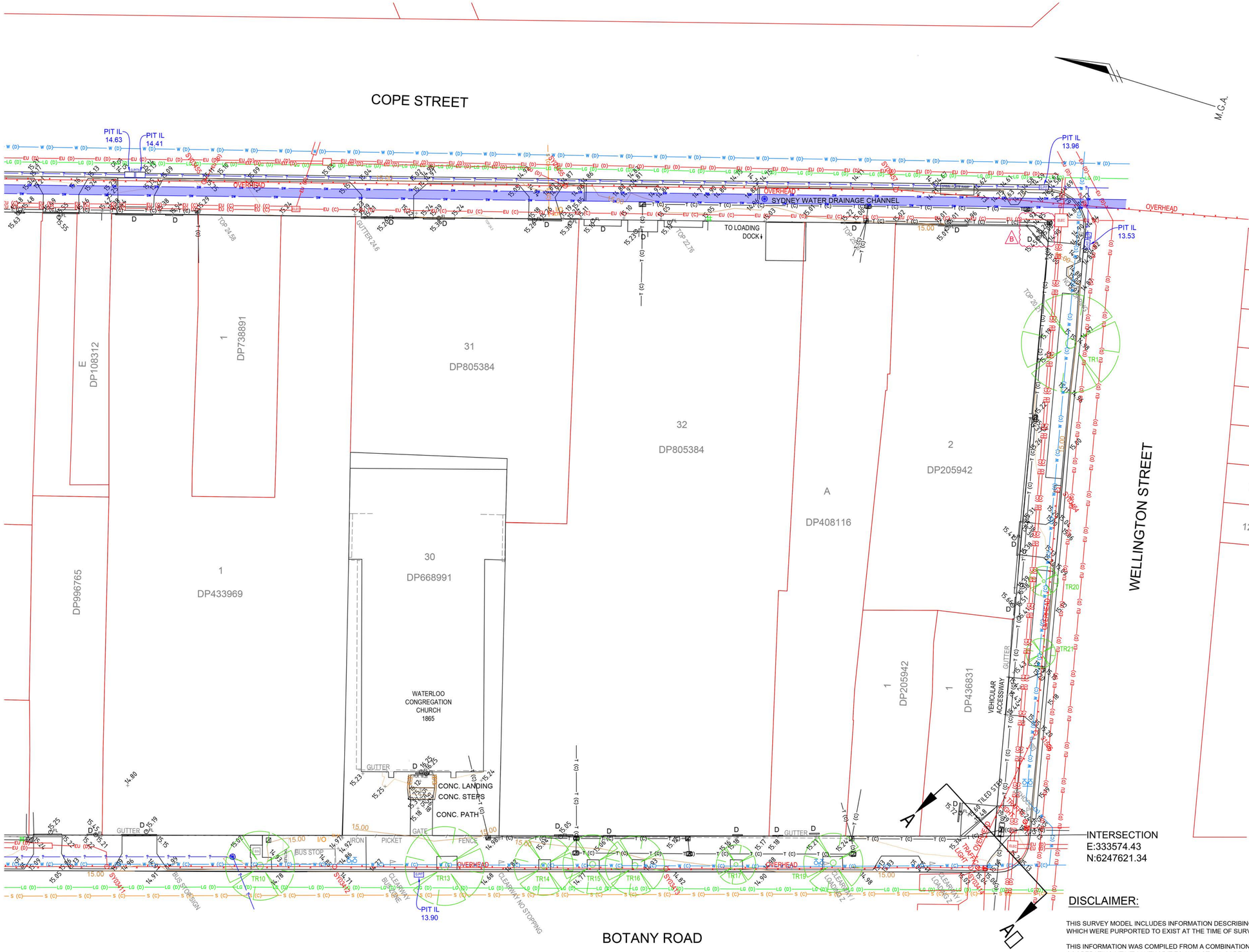

DISCLAIMER:

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SFG	COORDINATES: MGA	DATUM: AHD	
SFG	SSM16636	SSM16636	
SFG	4 2 0 4 8 12 SCALE IN METRES AT ORIGINAL REDUCTION RATIO		
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