Unit 8/103 Kurrajong Avenue
Mount Druitt, NSW, 2770
1300 411 811
info@pipesure.com.au
www.pipesure.com.au

Utility Locate Report

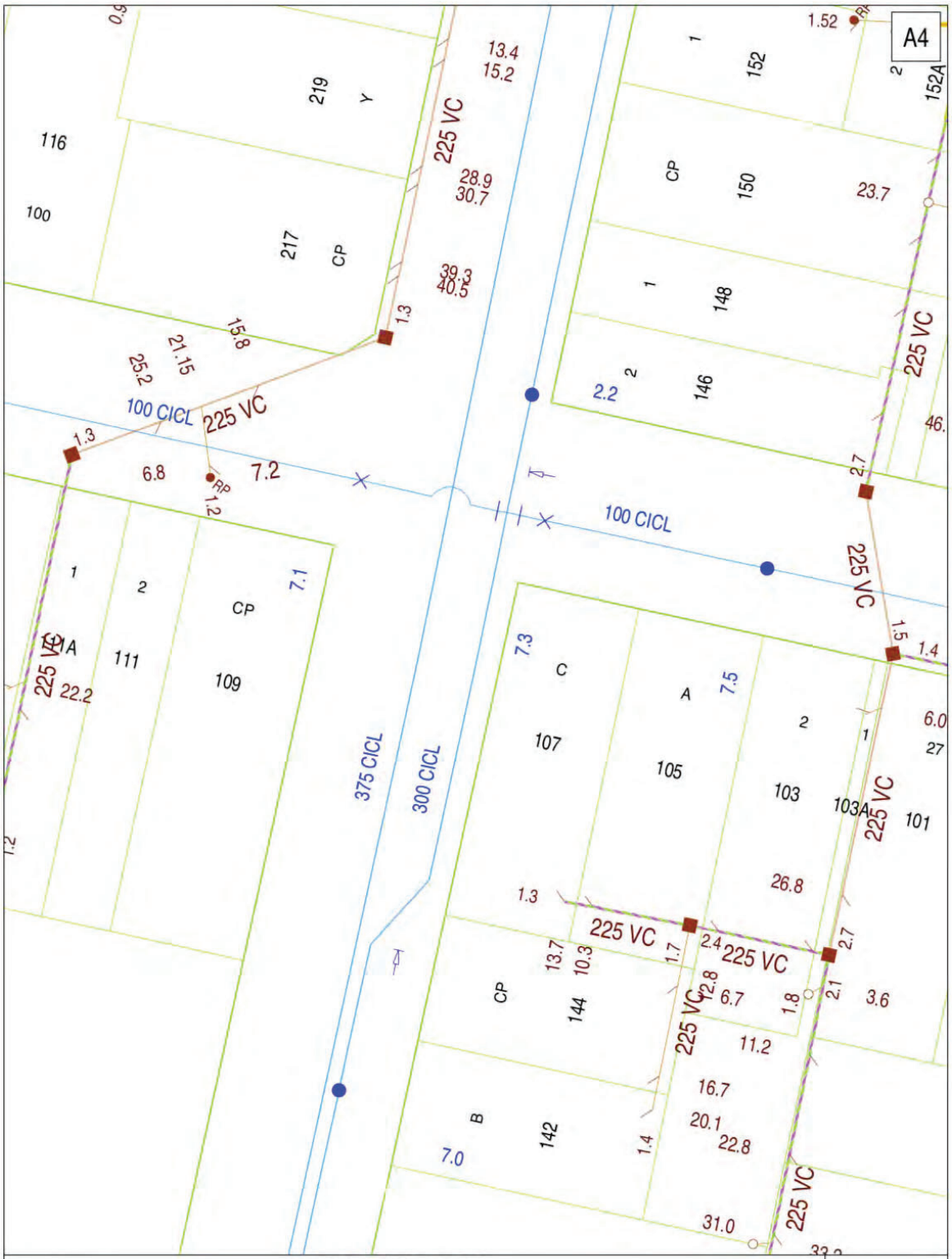
Client: Total Survey Solutions	**Date:** 14/08/2019
Contact: Sean	**Phone:** 0438 635 751
Location of Work: 107 Griffiths St Balgowlah	
Job Description: Sewer sewer service location	
Utility Locator: Len	**Phone:** 1300 411 811

Locating Quality Level Description	
Quality Level A	Visualization/Confirmation of a service, position and depth, by non-destructive digging methods or points of entry to pits or manholes. Recommended Quality Level prior to construction or excavation.
Quality Level B	Locating of services using radio detection methods or ground penetrating radar. Acceptable range of accuracy for Quality Level B is 300mm for position and 500mm for depth.
Quality Level C	Services marked out using only surface features in the field. Surface features include hydrants, gas markers, pits etc. No indication of service location or depth can be attained from Quality Level C.
Quality Level D	Services marked out using DBYD plans only. Offsets on plans can be used to obtain such indication of services in field but no indication of service confirmation can be given from Quality Level D.

The following report is an accumulation of information gathered from in field investigations at the time of the report and any changes of assets in the field cannot be accounted for. It is recommended that services be potholed for confirmation prior to any construction or excavations and a Quality Level A be achieved. This report does not replace the need for valid Dial Before You Dig plans to be on site at all time

Report Summary and Notes:

14/8/19
- Attended site
- Performed sewer service location survey,
- Located sewer, depth at manhole 1.8m, depth at dead-end junction 1.6m
- Dead-end junction located approximately 1m from boundary fence
- All locations marked in appropriate colours and photographed



DBYD Address:
107 Griffiths Street
Balgowlah NSW 2093

DBYD Job No: 16775493

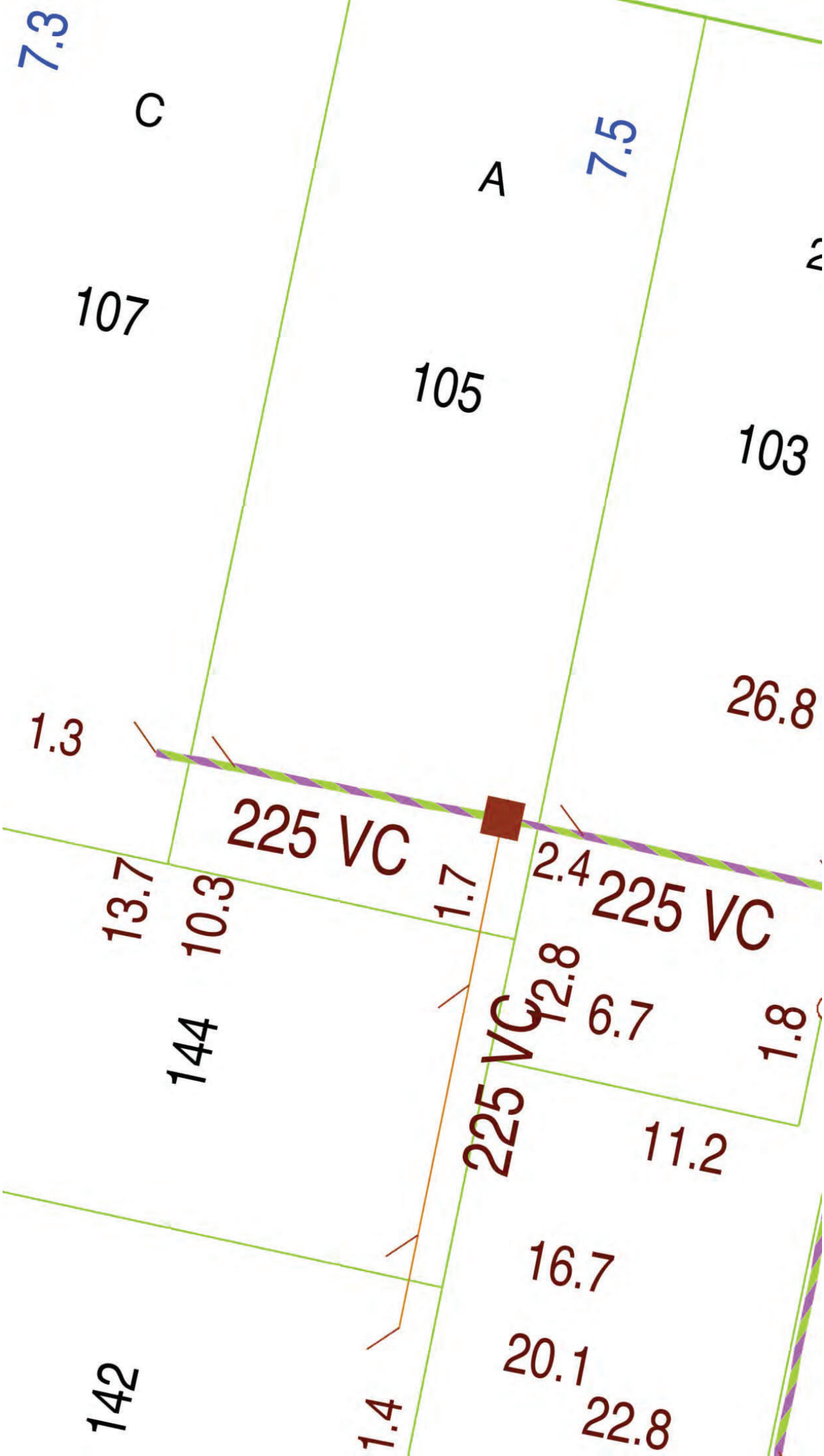
DBYD Sequence No: 86333453

SYDNEY WATER CORPORATION

Scale: 1:500

Date of Production: 05/08/2019

Plan 1 of 1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142
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22.8

DATE 14/08/2016

Job Number: 2542

PO Number:

Clients Review (If Applicable)

Name:

Signature:

Client: -

Tss

Location of Works: -

107 Griffith st Balgowlah

Description of works to be performed:-

Locate sewer

Representative responsible for carrying out work as per this safe work method statement responsible for site supervision of work, protective measures, plant, equipment and power tools (*person completing swms*)

Name: Len **Signature:** **Date:** 14/08/2019

Name and Address of Main Business Office:

PipeSure Australia Pty Ltd
Unit 6/103, Kurrajong Avenue
Mount Druitt, 2770
Ph – 02 9625 9222 – Fax 02 9625 9200

Representative Responsible for preparation of the safe work method statement.

Name: Graham Franklin

Signature:

The Persons involved in the development of SWMS:

Graham Franklin & All PipeSure Australia staff.

Competency and Training Requirements

All person included in the works of operation are to be correctly qualified by a registered training authority. Inducted to site by competent site inductor and trained in the use of SWMS. Work Cover accredited permits and licenses required to complete works are listed on the back page. Any license requirement not listed must be written in the appropriate places provided on the back page. All work licenses may be sighted before the commencement of works and at any time during and must be on person at all times during works.

List all (parts of) Legislation, Regulations, Codes, Standards & Procedures applicable to the work and where these are kept:

WHS Act 2011: WHS Regulation 2011. Rail Safety Act 2008:Work Place Injury Management & Workers Comp Act 1998: Workers Comp Act 1987 Plumbing & Drainage AS3500 – All Acts are kept at PipeSure Australia Pty Ltd – Buisness office.

Note - List of PPE and Accreditations on back page

Note - Any permits needed for the completion of works must be used in conjunction with the SWM

Note - On commencement of works any hazards identified beyond the SWMS are to be entered onto the SWMS in the spares rows provided, hazard control must be assessed and entered to the SWMS before commencement of works.

Note - Tools to be tagged and tested monthly & checked daily

Note - **SWMS ARE TO BE USED IN CONJUCTION WITH FRANKLINS PLUMBING SOPS – SAFE OPERATION PROCEDURES**

Risk Calculator:

	1	2	3	4	5
A	H	H	H	M	M
B	H	H	M	M	M
C	H	H	M	M	L
D	H	M	M	L	L
E	M	M	L	L	L

Likelihood

A Common Occurrence
B Less Common but has occurred
C May occur but rare
D Not likely to occur
E Virtually impossible

Consequence

1 Fatality or very serious injury or illness
2 Serious injury or illness
3 Moderate injury or illness
4 Minor injury or illness
5 No lost time

List plant, equipment and tools to be used e.g. Hand tools, Electrical tools, Ladders and any other equipment to be used in the task.	**Possible Hazards** Place a tick next to the hazards identified. These will then need to be written into the Hazard Identification column for each Activity Step.		**PPE** List PPE to be used		**(Tick)**
1. ☑ CCTV Equipment	1. ☐ Confined Space	15. ☐ Communications		Hard Hat	✓
2. ☐ Battery Drill + Charger	2. ☐ Heights (People falling)	16. ☐ Weather conditions		Safety Footwear	✓
3. ☐ Concrete Saw	3. ☐ Flooding/water	17. ☐ Total Fire Ban		Eye Protection	✓
4. ☐ Excavator	4. ☑ Manual Handling	18. ☐ Traffic		Safety Harness	
5. ☐ Extension Ladder	5. ☐ Heat	19. ☐ Asbestos		Respiration Equipment	
6. ☐ Grinder	6. ☐ Cold	20. ☐ Animals (Dogs etc)		Hand Protection	✓
7. ☐ Hammer Drill	7. ☐ Falling objects	21. ☐ Insects(Spiders etc)		Ear Protection	
8. ☐ Oxy & Acetelyn	8. ☑ Moving plant / machinery	22. ☐ Dust		Overalls	
9. ☐ Step Ladder	9. ☑ Site Housekeeping	23. ☐ Fire & Explosion		Illuminating Safety Vest	
10. ☐	10. ☐ Electricity	24. ☐ Hazardous Substances		Wet Weather Gear	
11. ☐	11. ☐ Compressed gas	25. ☑ Slips, Trips, Falls		Sun Glasses	
Maintenance: All tools and equipment to be serviced in accordance with the manufacturer's instructions and visually inspected prior to use each day. All electrical leads and tools to be tested and have a current test tag fitted.	12. ☐ Underground / overhead services	Others: 26. ☑ Fatigue Management		Hat	
	13. ☐ Noise/vibration	27. ☑ Train movements		Sun Screen	
	14. ☐ Security /lone/ isolated work	28. ☐	Other	Long sleeve shirt and Pants	✓

Activity step Break the activity down into steps. List the steps in this column	**Hazard Identification** Identify any potential hazards associated with each step – and any related risks. Detail the hazards and risks in this column, and enter the risk rating in the next column.	**Initial Risk Rating**	**Controls Implemented** Decide what controls to use to eliminate or minimise the risks. Detail the controls in this column, and enter the revised risk rating in the next column. Note: If the risk rating is still 1-3, do not begin work.	**Residual Risk Rating**	**Person Responsible** To ensure management method applied
1- Perform site inductions for all workers at site.	Risk of injury to workers and others due to unfamiliarity of site due to no site induction.	M	1- Perform site inductions to cover all site safe operating rules & procedures. 2- Perform pre-work brief and work as per SWMS, site rules and any other necessary permits. 3- Work to site safe operating procedures 4 – Zero tolerance of drug and alcohol on site	**L**	Supervisor
	Injury to others from contact during site entry	M	1- Be aware of surrounding public, take care. 2- Work to site safe operating procedures. 3– Restrict access to site	**L**	Supervisor
	Serious injury to workers from being hit or stuck by moving objects, vehicles, plant, Trains or other. Whilst working, arriving or leaving site.	M	1- Be aware and alert at all times of surrounding area and traffic 2 - Work area to be Cordon off. 3- Make yourself known by wearing the correct Hi visibility PPE when necessary e.g. Hi vis vest on rail site 4- Do not enter any dangerous out of bounds areas without the consent of the correct authorities and if necessary a PO officer. Must not enter rail sites without Risi certification. 5 – Designated walkway to be used at all times	**L**	Supervisor
2 – Transport vehicle, equipment and plant to work area	Serious injury to workers from being hit or stuck by moving objects, vehicles, plant, Trains or other. Whilst working, arriving or leaving site. Traffic hazards, colliding with other vehicles, pedestrians or objects.	M	1- Be aware and alert at all times of surrounding area and traffic 2- Drive on designated roads, avoid any rough or uneven ground. 3- Turn on hazard lights where necessary. 4 - Park as close as possible to site 5 - Park on level ground where possible. 6 - Work area to be Cordon off. 7- Make yourself known by wearing the correct Hi visibility PPE when necessary e.g. Hi vis vest on rail site 8- Do not enter any dangerous out of bounds areas without the consent of the correct authorities and if necessary a PO officer. Must not enter rail sites without Risi certification. 9 – Designated walkway to be used at all times	**L**	Supervisor
3- Opening Pit	Injury to others from contact during works.	M	1- Be aware of surroundings, 2- Take care. 3- Cordon off work area. 4- Perform all works as per safe operating procedures, site safety rules, SWMS and Induction	**L**	Supervisor
	Manual handing injury - Cuts, strains, tears, breaks etc. caused due to manual handling. Injury from slips, trips and falls.	M	1- Perform works as per manual handling training & induction. 2- Use appropriate PPE e.g. Gloves and steel cap boots. 3- Always remain safe distance from pit 4- Ensure footing around pit is stable 5- Cordon off work area to isolate from public 6- Use appropriate pit lifers to access pit.	**L**	Supervisor
	Confined Spaces – if needed ☐ Death or permanent injury due to confined space entry	H	1 - Confined space risk assessment to be complete before entry 2 - Confined space site rescue plan to be completed before entry 3 - Confined space equipment to be inspected before to entry 4 - Gas monitor to be used before entry and at all times during works. 5 - Two confined spaces personnel to be on site during works.	**M**	Supervisor

Activity step Break the activity down into steps. List the steps in this column	Hazard Identification Identify any potential hazards associated with each step – and any related risks. Detail the hazards and risks in this column, and enter the risk rating in the next column.	Initial Risk Rating	Controls Implemented Decide what controls to use to eliminate or minimise the risks. Detail the controls in this column, and enter the revised risk rating in the next column. Note: If the risk rating is still 1-3, do not begin work.	Residual Risk Rating	Person Responsible To ensure management method applied
4-CCTV Inspections	Serious injury to self/others due to equipment failure.	M	1- All plant and equipment to be inspected regularly 2- Report any defects or concerns to management 3- Complete prestart equipment checks	L	Supervisor
	Manual handing injury - Cuts, strains, tears, breaks etc. caused due to manual handling. Injury from slips, trips and falls	L	1- Perform works as per manual handling training & induction. 2- Use appropriate PPE e.g. Gloves and steel cap boots. 3- Always remain safe distance from pit 4- Ensure footing around pit is stable 5- Cordon off work area to isolate from public	L	Supervisor
5 - Clean up and restore site to original condition	Manual handing injury - Cuts, strains, tears, breaks etc. Caused due to manual handling	L	1- Perform clean up as per manual handling training. 2- Wear appropriate PPE gloves, safety eyewear, steel cap boots, long sleeve shirt and pants as required. 3- Ensure ground openings are covered or filled following completion of work 4- Disinfect cables and tools where appropriate. 5-	L	Supervisor
6- Visit main office to sign out of site and leave site	Injury to others from contact during site exit.	L	1 - Be aware of surrounding public. 2 - Take care. 3 - Work to site safe operating procedures	L	Supervisor

Rescue Equipment (to be on site and available for Immediate use)	**List of Appropriate Accreditation, Licenses & Training. Needed to complete works**
↖ Mobile Phone ↖ First aid kit Fire Extinguisher Confined Spaces Harness & Fall arrest system Other_____ _____ _____ _____ _____ _____ _____ _____ _____	Tick Appropriate A,L & T Box For Works ☑ *White Card (Work cover - General Induction for construction work in NSW - OHS Construction Induction Training certificate) *LRI Safe Working at Heights Life & Rescue International ■ * Rail Industry Safety Induction (Risi Card) *Elevating Work Platform Association of Australia Inc * NSW Public Works Contractor * Excavation License - Driving Excavator ■ *Site Induction ■ *Safe use of CCTV Equiptment (PipeSure in-house training) other_____ _____ _____ _____ _____

*By signing this declaration you have agreed that you have read and understand the SWMS & SOPs; Will work in a safe manner as per the SWMS, Site Induction, Operation of Procedures, site safety rules & training *and have taken full responsibility in the safe manner of completing works.* Are correctly qualified in all necessary training for works and have listed the correct accreditations and licenses. Have performed daily checks on equipment (including hand tools) and have all necessary MSDS on site.

SIGN ON

*Signatures of competent persons who have read and understood the work activities described in the Safe Work Method Statement and Safe Operating Procedures ***including*** the person responsible for completing the assessment.

Name Len Mcgowan Signature _____ Date 14/08/2019
Name Tony Stankovski Signature _____ Date 14/08/2019
Name_____ Signature _____ Date_____
Name_____ Signature _____ Date_____

RELEVANT LEGISLATION, CODES OF PRACTICE & AUSTRALIAN STANDARDS		
RELEVANT LEGISLATION	**CODES OF PRACTICE**	**AUSTRALIAN STANDARDS**
Work Health & Safety Act 2011	Code of Practice – OHS Induction Training for Construction	
Work Health & Safety Regulation 2011	Code of Practice – Work Health and Safety Consultation, Co-operation and Coordination	
Workplace Injury Management & Workers Compensation Act 1998	Code of Practice – Hazardous Manual Tasks	
Rail Safety Act	Code of Practice – How to Manage Work Health and Safety Risks	
	Code of Practice – Managing the Risk of Falls at Workplaces	
	Code of Practice – Managing Noise and Preventing Hearing Loss at Work	
	Code of Practice – Noise Management and Protection of Hearing at Work	
	Code of Practice – Managing the Work Environment and Facilities	
	Code of Practice – Managing electrical risks at the workplace	
	Code of Practice – Managing risks of plant in the work place	
	Code of Practice – Excavation work	
	Code of Practice –	
	Code of Practice –	
	Code of Practice –	
	Code of Practice – Preparation of Safety Data Sheets for Hazardous Chemicals	
	Code of Practice – Labelling of Workplace Hazardous Chemicals	

NOTE:

BOUNDARIES HAVE BEEN DETERMINED BY SURVEY ON 24/11/2016.

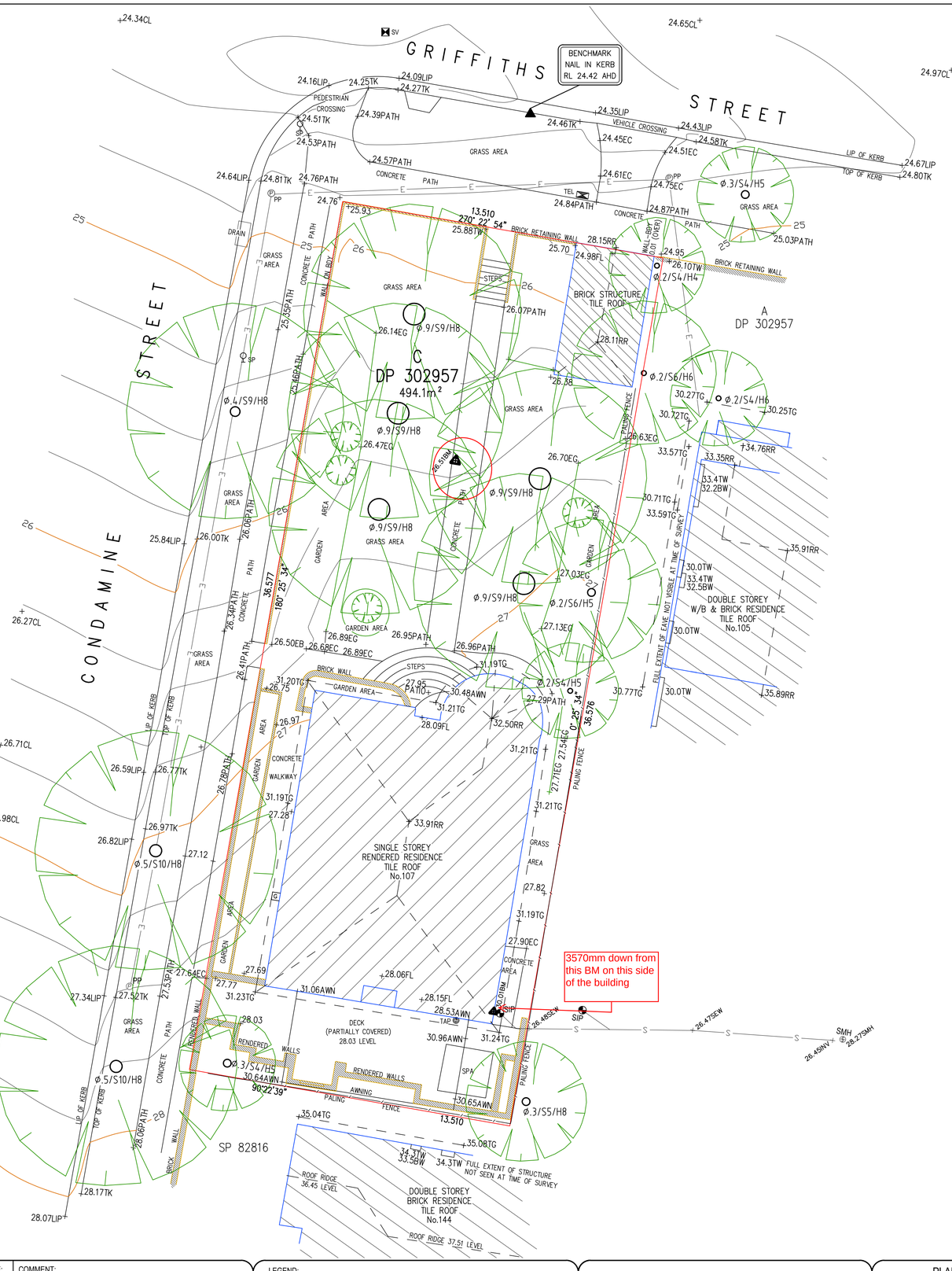
PRIOR TO ANY CONSTRUCTION WORK, SURVEY MARKS SHOULD BE PLACE TO DEFINE THE PROPERTY BOUNDARIES.

SERVICES SHOWN ARE INDICATIVE ONLY. POSITIONS ARE BASED ON SURFACE INDICATOR(S) LOCATED DURING FIELD SURVEY. CONFIRMATION OF THE EXACT POSITION SHOULD BE MADE PRIOR TO ANY EXCAVATION WORK. OTHER SERVICES MAY EXIST WHICH ARE NOT SHOWN.

LEVELS ARE BASED ON AUSTRALIAN HEIGHT DATUM (AHD) USING PM 990 WITH RL 24.826 (AHD).

RIDGE & GUTTER HEIGHTS HAVE BEEN OBTAINED BY INDIRECT METHOD AND ARE ACCURATE TO ± 0.05m.

CONTOURS SHOWN DEPICT THE TOPOGRAPHY. EXCEPT AT SPOT LEVELS SHOWN THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. THE SPOT LEVELS ARE TRUE FOR THEIR POSITION, AND ARE INTENDED TO BE USEFUL TO REPRESENT THE GENERAL TERRAIN. CARE SHOULD BE TAKEN IF EXTRAPOLATING.



LEGEND

BENCH MARK	▲
TELSTRA PIT	TEL
ELECTRIC LIGHT POLE	LP
POWER POLE	PP
SIGN POST	SP
SEWER INSPECTION PIT	SIP
SEWER VENT	SEWER
MANHOLE	MH
SEWER MANHOLE	SMH
STOP VALVE	SV
WATER HYDRANT	HYD
WATER METER	WM
GAS METER	GJ
STATE SURVEY MARK	SSM

Geoff Gallen
Registered Surveyor
Nº 1083

TSS TOTAL SURVEYING SOLUTIONS
ARTARMON | CAMDEN | MANLY VALE

REVISION No.	REVISION DATE:	COMMENT:
161551_B	15/08/2019	SERVICE LOCATING

LEGEND:

PATH - EDGE OF PATH
TB - TOP OF BANK
BB - BOTTOM OF BANK
WT - TOP OF WINDOW
WB - BOTTOM OF WINDOW
TG - TOP OF GUTTER
RR - ROOF RIDGE
FL - FLOOR LEVEL
AWN - AWNING LEVEL
ELEC - ELECTRICAL PIT
Ø.4/S10/H16 - DIAMETER/SPREAD/HEIGHT

0 1 2 3 4 5 10m
BAR SCALE
PLOTTED SCALE 1:100 (A1 SIZE SHEET)

PLAN SHOWING DETAIL & LEVELS
OVER LOT C IN DP 302957

CLIENT:	GRANT HARRINGTON	DATE: 15/08/2019	SCALE: 1:100@A1
PROJECT:	BALGOWLAH	DRAWN: MB	CONT. INTERVAL: 0.25m
ADDRESS:	107 GRIFFITHS STREET, BALGOWLAH	CHK: GS	SHEET 1 OF 1

JOB No.: 161552	LGA: NORTHERN BEACHES
PLAN No.: 161552_B	DATUM: AHD