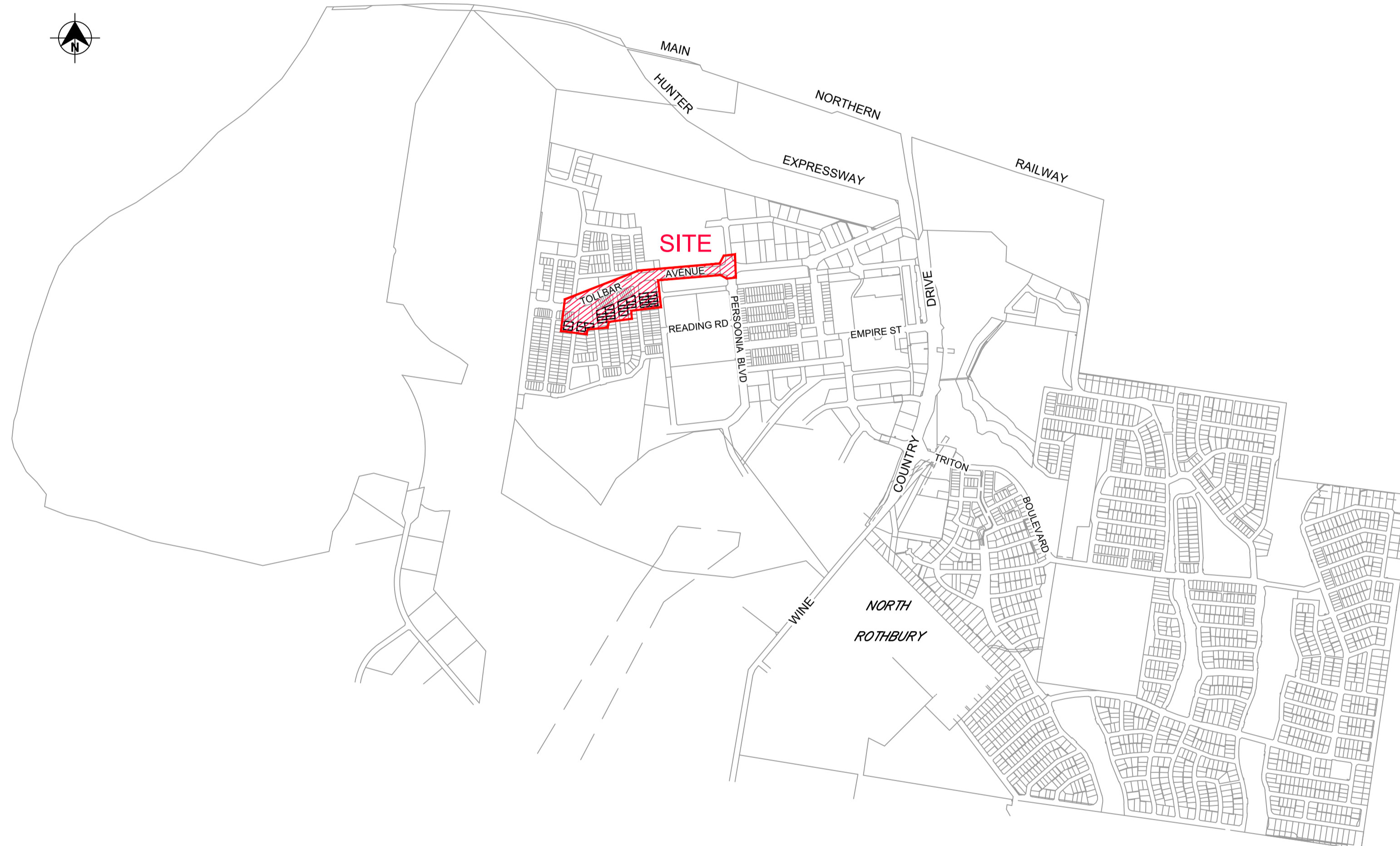


# PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE

240037(BR6)-WAC-003



LOCALITY SKETCH  
NOT TO SCALE

### WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY	ADWJohnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	
			CONSTRUCTION MANAGER

### ORIGIN OF W.A.C. LEVELS

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		

DRAWING INDEX	
Sheet Title	Sheet Description
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240037(BR6)-WAT-002	GENERAL NOTES
240037(BR6)-WAT-003	OVERALL SITE PLAN
240037(BR6)-WAT-101	POTABLE WATER DETAIL PLAN 1
240037(BR6)-WAT-102	POTABLE WATER DETAIL PLAN 2
240037(BR6)-WAT-103	POTABLE WATER DETAIL PLAN 3
240037(BR6)-WAT-104	POTABLE WATER DETAIL PLAN 4
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240037(BR6)-WAT-109	POTABLE WATER TRUNK MAIN DETAIL LONGITUDINAL SECTION SHEET 1
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240037(BR6)-WAT-111	POTABLE WATER TRUNK MAIN DETAIL LONGITUDINAL SECTION SHEET 3
240037(BR6)-WAT-112	POTABLE WATER TRUNK MAIN DETAIL LONGITUDINAL SECTION SHEET 4
240037(BR6)-WAT-201	RECYCLED WATER DETAIL PLAN 1
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240037(BR6)-WAT-204	RECYCLED WATER DETAIL PLAN 4
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240037(BR6)-WAT-401	TYPICAL CROSS-SECTION AND PIPEWORK TRENCHING DETAILS SHEET 1
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240037(BR6)-WAT-403	TYPICAL PROPERTY CONNECTION DETAILS SHEET 1
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240037(BR6)-WAT-405	WASTE WATER COLLECTION DETAILS
240037(BR6)-WAT-406	THRUST BLOCK DETAILS
240037(BR6)WAT-407	FITTINGS TABLES



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT		PROPERTY DESCRIPTION		PROJECT				
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.		 <b>Hunter Office</b> Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE		PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION				
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	PLAN TITLE			COVER SHEET, LOCALITY PLAN & DRAWING INDEX						
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	PROJECT No.			DISCIPLINE		NUMBER	REV.			
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	SURVEYED			DATUM		240037(BR6) -	WAC	- 001	5	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	Daly,Smith			GDA94 M.G.A. ZONE 56 A.H.D.		-	-	-	-	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.										
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.										
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.										

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

240037(BR6)-WAC-003

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.

**PRESSURE SEWER NOTES:**

- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, ALTOGETHER SUPPLEMENTARY MANUAL TO WSA, PRESSURE SEWERAGE CODE OF AUSTRALIA - WSA 07-2007 VERSION 1.1 AND POLYETHYLENE PIPELINE CODE WSA 01-2004.
- ALL EQUIPMENT, MATERIALS AND ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW AND SHALL COMPLY WITH AL TOGETHER REQUIREMENTS. BUTT FUSION FITTINGS DENOTED HEREWITH HAVE BEEN DERIVED FROM THE GEORG FISCHER PIPING SYSTEMS BUTT FUSION PRODUCT RANGE. ELECTROFUSION FITTINGS DENOTED HEREWITH HAVE BEEN DERIVED FROM THE PLASSON "POLYETHYLENE PIPING SYSTEMS" PRODUCT RANGE.
- ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS AND LOCATIONS OF ALL EXISTING SERVICES IN THE VICINITY OF THE CONSTRUCTION SITE AND ANY CONSTRUCTED STRUCTURES FOR PROPOSED SERVICES, SUCH AS DUCTING FOR WATER OR ELECTRICITY WITHIN THE SUBDIVISION. THE CONTRACTOR MUST ENSURE ALL SERVICES ARE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
- PRESSURE SEWER MAINS SHALL BE BLACK POLYETHYLENE (PE100 PN16) WITH A CREAM STRIPE AS PER WSA 02-2007 AND ALTOGETHER SUPPLEMENTARY MANUAL TO WSA.
- ALL POLYETHYLENE MAINS ≤ DN200 SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ALL POLYETHYLENE MAINS ≥ DN200 SHALL BE JOINED USING BUTTWELD JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
- MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 600mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER AND WATER MAINS. MINIMUM PIPE COVER SHALL BE 800mm IN FOOTWAYS AND 1000mm IN ROADWAYS. MAXIMUM PIPE COVER SHALL GENERALLY BE 1500mm. WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1500mm BUT LESS THAN 2500mm THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL PRESSURE SEWER AND RECYCLED WATER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.
- MAINS CROSSING UNDER EXISTING DRIVEWAYS (SEALED, PAVED OR DECORATIVE) SHALL BE CONDUCTED BY UNDER BORING ONLY UNLESS PERMISSION IS GRANTED BY THE AFFECTED PROPERTY OWNER.
- MAINS WITHIN 2.0m OF ELECTRICITY OR POWER POLES SHALL BE CONDUCTED BY BORING TECHNOLOGY (UNLESS AGREED TO BY THE ALTOGETHER REPRESENTATIVE).
- ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION WSA-PS350 AND WSA-PS351.
- ALL BENDS SHALL BE ELECTROFUSION OR BUTT WELD SWEEP BENDS. FABRICATED BENDS SHALL NOT BE USED IN LIEU. KNUCKLE ELBOWS ARE NOT PERMITTED.
- MINIMUM BENDING RADIUS FOR PN16 PE100 (SDR11) SHALL BE 20 x DN. (i.e. DN400 : R8.0m, DN250 : R5.0m, DN200 : R4.0m, DN160 : R3.2m, DN125 : R2.5m, DN90 : R1.8m, DN75 : R1.5m, DN63 : R1.3m, DN50 : R1.0m, DN40 : R0.8m).
- ALL HOUSE SERVICE LATERALS SHALL BE DN50 (PE100 PN16).
- FLUSHING PITS SHALL CONFORM WITH ALTOGETHER STANDARD DRAWINGS. REFER TO ALTOGETHER WEBSITE FOR CURRENT VERSION. SHALL MAINS (S DN110) [http://information.altogethergroup.com.au/governance/Land\\_Housing/PSS-1017A-FS.pdf](http://information.altogethergroup.com.au/governance/Land_Housing/PSS-1017A-FS.pdf) LARGE MAINS (S DN110) [http://information.altogethergroup.com.au/governance/Land\\_Housing/PSS-1017B-FS.pdf](http://information.altogethergroup.com.au/governance/Land_Housing/PSS-1017B-FS.pdf)
- LOCALISED DEEPENING OF MAINS MAY BE REQUIRED TO FACILITATE AIR VALVE INSTALLATION. THE CONTRACTOR SHALL ENSURE THAT THE AIR VALVE OFFSET IS LOCATED AT A HIGH POINT (NATURAL OR ARTIFICIAL) IN THE MAIN (i.e. MAIN SHALL GRADE DOWNWARDS EITHER SIDE OF THE AIR VALVE).
- DETECTABLE MARKING TAPE SHALL BE LAID ON TOP OF THE PIPE EMBEDMENT MATERIAL BEFORE BACKFILLING AND CONNECTED TO SURFACE FITTINGS.
- ALL SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (i.e. ROADWAYS, PATHS etc.) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.
- DURING CONSTRUCTION, ALL OPEN ENDS OF PIPE SHALL BE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.
- ALL VALVES SHALL BE RESILIENT SEATED SLUICE VALVES (CLOCKWISE CLOSING), SHALL BE RESTRAINED IN ACCORDANCE WITH WAT-1207 AND SHALL COMPLY WITH ALTOGETHER STANDARD DRAWING PSS-1015-FS.
- ALL MAINS SHALL BE TESTED IN ACCORDANCE WITH WSA 07-2007 VERSION 1.1.
- FOR LOTS WITH TANKS IN THE REAR. 2 x ø25mm ELECTRICAL CONDUIT (ORANGE)(WITH DRAW WIRES) SHALL BE INSTALLED FROM THE COLLECTION TANK TO WATER METERS. THE CONDUITS SHALL BE LAID IN A COMMON TRENCH WITH THE SEWERAGE AND MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 400mm. (REFER TO ALTOGETHER STANDARD DRAWINGS FOR SETOUT DIMENSIONS).
- THE CONSTRUCTOR SHALL PROVIDE ALTOGETHER GROUP WITH MINIMUM OF 7 DAYS NOTICE IN WRITING OF INTENT TO CONNECT NEW MAINS TO EXISTING INFRASTRUCTURE. CONNECTIONS ARE NOT PERMITTED UNTIL COMPLIANT TEST RESULTS HAVE BEEN PROVIDED AND CONFIRMATION IS PROVIDED BY THE ALTOGETHER REPRESENTATIVE.
- UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION HAT EXISTED PRIOR TO COMMENCEMENT OF WORKS.
- PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPIER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
- BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAVE BEEN OBTAINED AND APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE M.G.A. COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.
- THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE PRESSURE SEWER CODE OF AUSTRALIA (CLAUSE 213.4) ARE:  
TRAFFICABLE PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST/300mm LAYER OF FILL AT EACH ROAD CROSSING.  
NON-TRAFFICABLE PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST/900mm OF FILL AND EACH 100 LINEAL METRES OF PIPE.
- BOUNDARY KITS (COMPLETE) SHALL BE ENVIRO ONE. e-one COLLECTION TANK (ESD 20-0032/ESD 20-0033) SHALL BE INSTALLED WITH BOUNDARY KIT (REFER ALTOGETHER STANDARD DRAWINGS PSS-1112-FS AND PSS-1113-FS). PUMP TO BE INSTALLED BY OTHERS.
- ALL MAINS (UP TO THE BOUNDARY KIT) SHALL BE PRESSURE TESTED TO 1600 kPa. ALL LINES FROM THE WASTEWATER COLLECTION TANK TO THE MANUAL ISOLATION VALVE WITHIN THE BOUNDARY KIT TO BE PRESSURE TESTED TO 1000kPa.
- ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
- SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO ALTOGETHER REQUIREMENTS.
- ROPE OFF ALL PRESSURE SEWER UNITS AND FLUSHING POINTS TO LIMIT DAMAGE DURING CONSTRUCTION.
- PRESSURE TRANSMITTER TO BE MEASUREX MRB21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM PER ALTOGETHER REQUIREMENTS.
- WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE ALTOGETHER Q.A. SUBMISSION CHECKLIST.
- e-one TANKS WILL BE DELIVERED WITH ELECTRICAL GLAND PRE-INSTALLED. CONTRACTOR TO VERIFY CORRECT QUANTITY OF LEFT HAND AND RIGHT HAND TANKS DELIVERED BEFORE COMMENCING INSTALL.

**PRESSURE SEWER NOTES:**

- FLUSHING POINT KITS TO BE TRAFFICABLE ENCLOSED - CLASS B. HOWEVER IF INSTALLATION TO BE INSTALLED IN FOOTPATH OR DRIVEWAY, CEMENT TRAFFICABLE ENCLOSURE - CLASS C/D IS REQUIRED.

**POTABLE WATER AND RECYCLED WATER NOTES:**

- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, ALTOGETHER SUPPLEMENTARY MANUAL TO WSA AND WSA 03-2011-3.1 (SYDNEY WATER EDITION 2014).
- POTABLE WATER SHALL BE UTILISED FOR FIRE FIGHTING PURPOSES.
- ALL EQUIPMENT, MATERIALS AND ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW, SHALL CONFORM TO THE APPROPRIATE CURRENT AUSTRALIAN STANDARDS AND SHALL COMPLY WITH ALTOGETHER REQUIREMENTS.
- ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS AND LOCATIONS OF ALL EXISTING SERVICES IN THE VICINITY OF THE CONSTRUCTION SITE AND ANY CONSTRUCTED STRUCTURES FOR PROPOSED SERVICES, SUCH AS DUCTING FOR WATER OR ELECTRICITY WITHIN THE SUBDIVISION. THE CONTRACTOR MUST ENSURE ALL SERVICES ARE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
- THE CONSTRUCTOR SHALL VERIFY WITH THE SITE SUPERVISOR THE POSITION AND LEVEL OF ALL EXISTING AND PROPOSED BOUNDARIES PERTINENT TO THE INFRASTRUCTURE INSTALLATIONS.
- MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 600mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER AND WATER MAINS. MINIMUM PIPE COVER SHALL BE 600mm IN FOOTWAYS (TYPE B EMBEDMENT: WAT-1202-V) AND 800mm IN ROADWAYS (TYPE L EMBEDMENT: WAT-1204-V). MAXIMUM PIPE COVER SHALL GENERALLY BE 1500mm. WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1500mm BUT LESS THAN 2500mm THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL RECYCLED WATER MAINS AND PRESSURE SEWER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.
- ALL POTABLE WATERMAINS TO BE BLUE PVC-M (PN16). ALL RECYCLED WATERMAINS SHALL BE LILAC PVC-M (PN16). DIFFERENTIATION OF POTABLE AND RECYCLED WATER SYSTEMS SHALL BE AS PER TABLE 4.1 WSA03-2011 WITH BOTH SERVICES BEING CLASSIFIED AS WATER MAINS. RECYCLED WATER MAINS SHALL ALWAYS BE LOWER THAN POTABLE WATER MAINS. 150mm VERTICAL CLEARANCE BETWEEN POTABLE WATER AND RECYCLED WATER MAINS SHALL BE PROVIDED.
- MAXIMUM JOINT DEFLECTIONS TO BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- LOCALLY LOWER PIPEWORK IN VICINITY OF STOP VALVES TO ENSURE SUFFICIENT COVER IS MAINTAINED OVER VALVES. LOWERING OF PIPEWORK SHALL BE ACHIEVED OVER A NUMBER OF PIPE LENGTHS EITHER SIDE OF VALVES TO ELIMINATE ANY SHARP DEFLECTIONS.
- ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION PS-350, 368 AND 369. GEOTECHNICAL CONDITIONS SHOULD BE ASSESSED DURING CONSTRUCTION BY THE CONTRACTOR IN ASSOCIATION WITH THE ALTOGETHER REPRESENTATIVE TO DETERMINE THE NEED TO MODIFY EMBEDMENT/TRENCHFILL TYPE AND THE NEED FOR TRENCH DRAINAGE/BULKHEADS.
- DURING CONSTRUCTION, ALL OPEN ENDS OF PIPES SHALL BE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.
- HYDRANTS, STOP VALVES AND ALL OTHER FITTINGS TO BE THE SAME SIZE AS THE THROUGH WATER MAIN AND ANTI CLOCKWISE CLOSING.
- HYDRANTS MUST NOT BE INSTALLED IN POTENTIAL DRIVEWAY LOCATIONS. HYDRANTS AND WATER SERVICES SHALL BE NOMINALLY AT LEAST 5.0m FROM EACH BOUNDARY OR ON BOUNDARIES, WHERE POSSIBLE, FITTINGS SHALL BE LOCATED BEHIND KERB INLET PITS.
- THRUST BLOCKS SHALL BE INSTALLED IN ACCORDANCE WITH WAT-1205.
- ALL PROPERTY (MAIN TO METER) SERVICE CONNECTIONS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH ALTOGETHER REQUIREMENTS. REFER TO ALTOGETHER WEBSITE FOR CURRENT VERSION. SINGLE SERVICE: [http://information.altogethergroup.com.au/governance/Land\\_Housing/WAT-1854-FS.pdf](http://information.altogethergroup.com.au/governance/Land_Housing/WAT-1854-FS.pdf) DUAL SERVICE: [http://information.altogethergroup.com.au/governance/Land\\_Housing/WAT-1855-FS.pdf](http://information.altogethergroup.com.au/governance/Land_Housing/WAT-1855-FS.pdf)
- PROPERTY SERVICE CONNECTION IS SHALL BE FLUSHED AND LOCKED (BY THE ALTOGETHER REPRESENTATIVE) FOLLOWING SUCCESSFUL PRESSURE TESTING.
- SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (i.e. ROADWAYS, PATHS etc.) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.
- ALL MAINS SHALL BE PRESSURE TESTED TO 1500kPa IN ACCORDANCE WITH CLAUSE 19.4 OF WSA03-2011 (SYDNEY WATER EDITION 2014).
- ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
- WATER QUALITY TESTING SHALL BE IN ACCORDANCE WITH WSA 03-2011-3.1(SYDNEY WATER EDITION-2014, CLAUSE 19.7).
- THE CONSTRUCTOR SHALL PROVIDE ALTOGETHER GROUP WITH MINIMUM OF 7 DAYS NOTICE IN WRITING OF INTENT TO CONNECT NEW MAINS TO EXISTING INFRASTRUCTURE. CONNECTIONS ARE NOT PERMITTED UNTIL COMPLIANT TEST RESULTS HAVE BEEN PROVIDED AND CONFIRMATION IS PROVIDED BY THE ALTOGETHER REPRESENTATIVE.
- UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION HAT EXISTED PRIOR TO COMMENCEMENT OF WORKS.
- PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPIER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
- BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAVE BEEN OBTAINED AND APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE M.G.A. COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.
- MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY WSA03-2011 (SYDNEY WATER EDITION 2014) (CLAUSE 19.35) :  
TRAFFICABLE PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST/300mm LAYER OF FILL AT EACH ROAD CROSSING.  
NON-TRAFFICABLE PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST/900MM OF FILL AND EACH 100 LINEAL METERS OF PIPE.  
PROPERTY SERVICES TESTING 1 OF EVERY 5 PROPERTY SERVICE TRENCHES. TESTING SHALL BE IN ACCORDANCE WITH TABLE 16.1 AND 17.1 OF THE WATER SUPPLY CODE OF AUSTRALIA.
- SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO ALTOGETHER REQUIREMENTS.
- PRESSURE TRANSMITTER TO BE MEASUREX MRB21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM PER ALTOGETHER REQUIREMENTS.
- WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE ALTOGETHER Q.A. SUBMISSION CHECKLIST.
- WHERE THE PIPE GRADE EXCEEDS 5%, TRENCHSTOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WAT-1209 AND WAT-1210 AT THE SPACING OF 100/GRADEX. WHERE PIPE GRADES EXCEED 15%, CONCRETE BULKHEADS WILL BE CONSTRUCTED AT SPACING AS PER TABLE 7.5 OF WSA03-2001 SYDNEY WATER EDITION 2014.

ALTOGETHER STANDARD DRAWINGS CAN BE FOUND AT THE FOLLOWING ADDRESS:  
<https://askus.altogethergroup.com.au/hc/en-us/articles/900004827263-Standard-drawings-for-land-developers->

**GENERAL NOTES:**

- THIS DRAWING SET SHALL BE READ IN CONJUNCTION WITH COUNCIL STANDARDS, ALTOGETHER SUPPLEMENTARY MANUAL TO WSA AND OTHER ASSOCIATED DRAWINGS AND TECHNICAL SPECIFICATIONS.
- THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORK AND SHALL REPAIR ANY DAMAGE CAUSED TO SUCH SERVICES DURING THE COURSE OF WORKS. ANY SERVICE LOCATIONS SHOWN IN THIS DRAWING SET ARE INDICATIVE ONLY.
- MAKE SMOOTH TRANSITION TO EXISTING WORKS (i.e. ROAD PAVEMENT AND FOOTPATHS) TO P.C.A. AND SUPERINTENDENT'S REQUIREMENTS.
- SUITABLE PROTECTION TO EXISTING ROAD PAVEMENT, KERB AND GUTTER, FOOTPATHS AND ANY EXISTING FEATURES SHALL BE PROVIDED UNTIL THE CONSTRUCTION WORKS ARE COMPLETED.

**CLEARANCES BETWEEN PIPELINES AND UNDERGROUND SERVICES**

UTILITY (EXISTING OR PROPOSED SERVICE)	MINIMUM HORIZONTAL CLEARANCE (mm)		MINIMUM VERTICAL CLEARANCE (mm)
	NEW MAIN SIZE		
	≤ DN200	≥ DN200	
WATER MAINS - DN375	600	600	300
WATER MAINS - DN375	300 <sup>4</sup>	600	150
GAS MAINS	300 <sup>4</sup>	600	150
TELECOMMUNICATION CONDUITS AND CABLES	300 <sup>4</sup>	600	150
ELECTRICITY CONDUITS AND CONDUITS	200	1000	225 <sup>4</sup>
STORMWATER DRAINS	300 <sup>4</sup>	600	150 <sup>4</sup>
SEWERS (GRAVITY)	1000 <sup>4</sup> / 600	1000 <sup>4</sup> / 600	500 <sup>4</sup>
SEWERS (PRESSURE AND VACUUM)	600	600	300 <sup>4</sup>
KERBS	150	600 <sup>3</sup>	150 (WHERE POSSIBLE)

**NOTES:**

- VERTICAL CLEARANCES APPLY WHERE PIPELINES CROSS OTHER UTILITY SERVICES, EXCEPT IN THE CASE OF WATER/SEWER MAINS WHEN A VERTICAL SEPARATION SHALL ALWAYS BE MAINTAINED, EVEN WHEN THE PRESSURE SEWER AND WATER MAIN ARE PARALLEL. THE PRESSURE SEWER SHOULD ALWAYS BE LOCATED BELOW THE WATER MAIN TO MINIMISE THE POSSIBILITY OF BACKFLOW CONTAMINATION IN THE EVENT OF A PRESSURE MAIN BREAK.
- WATER MAINS INCLUDES MAINS SUPPLYING BOTH POTABLE AND RECYCLED WATER.
- FOR AREAS WITH EXISTING WATER RETICULATION, CLEARANCES CAN BE FURTHER REDUCED TO 600mm WITH THE APPROVAL OF THE WATER AUTHORITY.
- CLEARANCES CAN BE FURTHER REDUCED TO 150mm FOR DISTANCES UP TO 2.0m WHEN PASSING INSTALLATIONS SUCH AS POLES, PITS, AND SMALL STRUCTURES, PROVIDING THE STRUCTURE IS NOT DE-STABILISED IN THE PROCESS.
- CLEARANCES FROM KERBS SHALL BE MEASURED FROM THE NEAREST POINT OF THE KERB. FOR WATER/SEWER - DN 375, CLEARANCES FROM KERBS CAN BE PROGRESSIVELY REDUCED UNTIL THE MINIMUM OF 150mm IS REACHED FOR WATER/SEWER - DN200.
- WHERE A PARALLEL SEWER IS AT MINIMUM VERTICAL CLEARANCE LOWER THAN THE WATER MAIN (500mm), MAINTAIN A MINIMUM HORIZONTAL OF 1000mm. THIS MINIMUM CLEARANCE CAN BE PROGRESSIVELY REDUCED TO 600mm AS THE VERTICAL CLEARANCE IS INCREASED TO 750mm.
- FOR PRESSURE SEWER LATERALS, MINIMUM VERTICAL CLEARANCE MAY BE REDUCED TO 150mm PROVIDING THERE IS NO JOINT IN THE LATERAL WITHIN 500mm OF EITHER SIDE OF THE SERVICE BEING CROSSED.
- AN ADDITIONAL CLEARANCE FROM HIGH VOLTAGE ELECTRICAL INSTALLATIONS SHOULD BE MAINTAINED ABOVE THE CONDUITS OR CABLES TO ALLOW FOR A PROTECTIVE BARRIER AND MARKING TO BE PROVIDED.
- WATER MAINS SHOULD ALWAYS CROSS OVER SEWERS AND STORMWATER DRAINS. FOR CASES WHERE THERE IS NO ALTERNATIVE AND THE MAIN MUST CROSS UNDER THE SEWER, THE DESIGN SHALL NOMINATE AN APPROPRIATE PROTECTION TREATMENT (JOINT-FREE IN THE VICINITY OF THE SEWER).
- FLUSHING POINT KITS TO BE TRAFFICABLE ENCLOSURE - CLASS B. HOWEVER IF INSTALLATION TO BE INSTALLED IN FOOTPATH OR DRIVEWAY, CEMENT TRAFFICABLE ENCLOSURE - CLASS C/D IS REQUIRED.

SHOULD THE RECOMMENDED CLEARANCES NOT BE ACHIEVED, NOTIFICATION SHALL BE CONVEYED TO THE ALTOGETHER REPRESENTATIVE IN WRITING.

**MASTERPLANS NOTES:**

- UNLESS NOTED OTHERWISE, PIPE SIZING SHOWN ON THESE DRAWINGS IS BASED ON THE FOLLOWING MASTERPLANS SUPPLIED BY ALTOGETHER GROUP.
- PRESSURE SEWER - "NORTH COORANBONG MASTERPLAN" REFERENCE SK02 REVISION N DATED 14/12/2024 BY PRESSURE SYSTEM SOLUTIONS PTY LTD
  - POTABLE & RECYCLED WATER - "WATAGAN PARK RESIDENTIAL DEVELOPMENT - POTABLE AND RECYCLED WATER MASTERPLAN" REFERENCE 2021-008 DATED 25/02/2024 BY DGP WATER

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADWJohnson Pty Ltd COMPANY  
NAME BASS RANDALL NAME  
SIGNED *B.Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
E: 345612.942 Co-Ord System: MGA Ground  
N: 6382878.917 MGA Datum: GDA94  
RL: 77.675m MGA Zone: 56

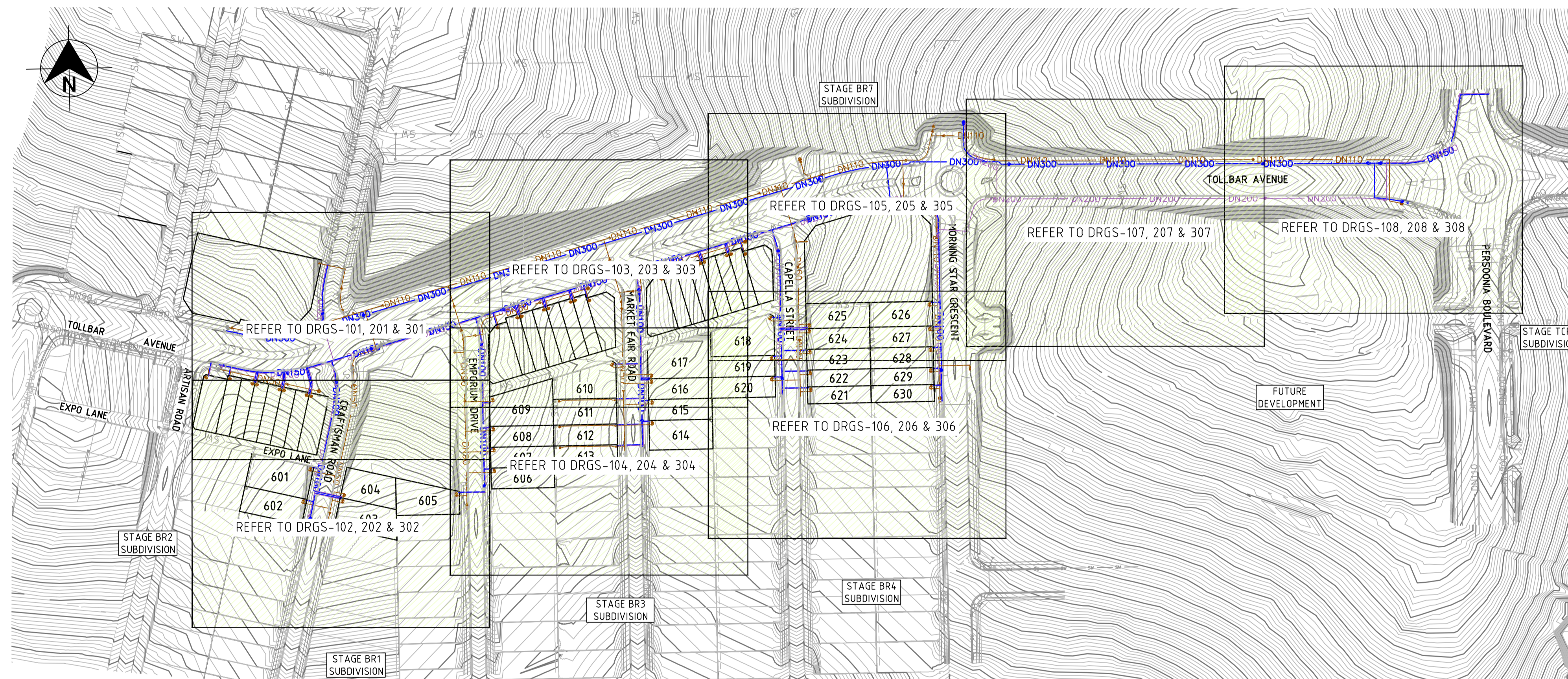


**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PLAN TITLE	PROJECT No. 240037(BR6) -	DISCIPLINE WAC -	NUMBER 002	REV. 5	
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.										Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.										
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.										
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.										
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.										
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.										
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.										
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.										

DESIGN FILE N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\h-240037(BR6)-WAT-design.dwg ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

Plotted By: iainb Plot Date: 29/05/26 - 12:31 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-003.dwg



100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

**WORK AS CONSTRUCTED**

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COMPANY ADW Johnson Pty Ltd COMPANY  
 NAME BASS RANDALL NAME  
 SIGNED *B.Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
 E: 345612.942 Co-Ord System: MGA Ground  
 N: 6382878.917 MGA Datum: GDA94  
 RL: 77.675m MGA Zone: 56



**WORK AS CONSTRUCTED**

PLAN  
SCALE 1:1500

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	<b>WORK AS CONSTRUCTED</b>	I.B.	C.H.	G.S.	C.B.

SCALES

SCALE: 1:1500 (FULL)

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

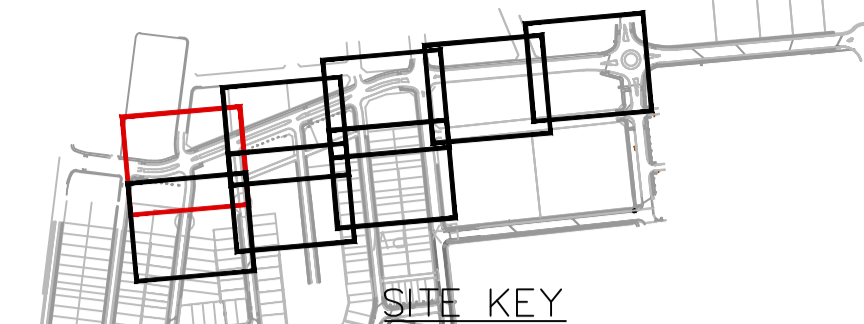
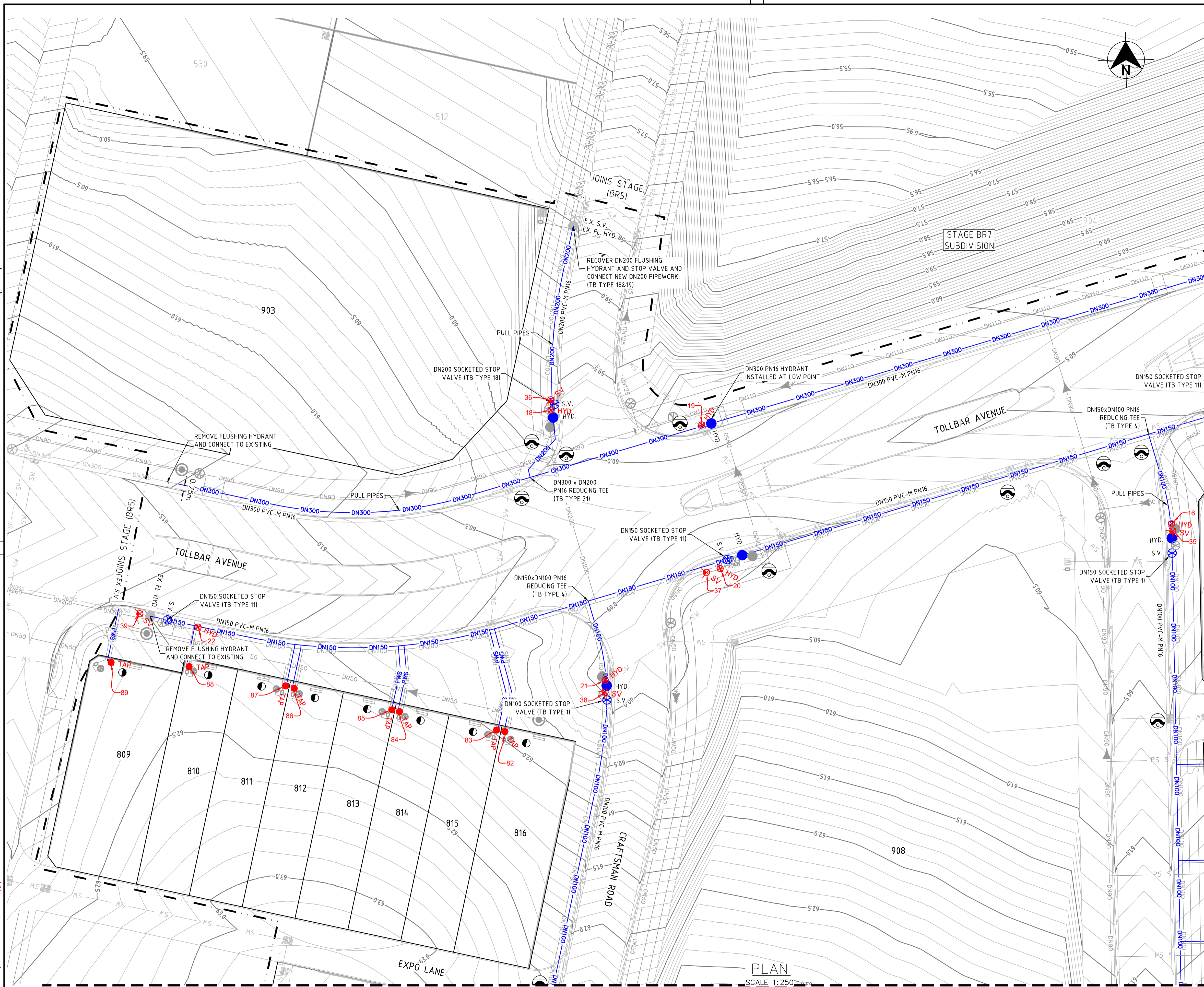
PROJECT  
 POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

PLAN TITLE  
 OVERALL SITE PLAN

SURVEYED Daly,Smith	DATUM GDA94 M.G.A. ZONE 56	A.H.D.	PROJECT No. 240037(BR6) -	DISCIPLINE WAC	NUMBER 003	REV. 5
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240037(BR6)-WAC-101

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN300 — DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 — DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 — DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 — DN100 PVC-M POTABLE WATER RETICULATION
  - PWS — PE POTABLE WATER PROPERTY SERVICE
  - RW — PVC-M RECYCLED WATER RETICULATION
  - RWS — PE RECYCLED WATER PROPERTY SERVICE
  - SP — PE PRESSURE SEWER RETICULATION
  - PS S — PE PRESSURE SEWER PROPERTY SERVICE
  - SW — STORMWATER PIPEWORK
  - NBN — EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G — EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E — EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
- 
- S.V. — STOP VALVE
  - S.V.N.C. — STOP VALVE NORMALLY CLOSED
  - HYD. — HYDRANT
  - FL. HYD. — FLUSHING HYDRANT
  - — PROPERTY SERVICE CONNECTION
  - — LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 11.25° 22.5° 45° 60° — HORIZONTAL BEND ANGLE IN MAIN
  - — LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR6 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR6
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
  - SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOT TAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	...../...../.....
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

SCALE: 1:250 (FULL)

**adw Johnson**

Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohanson.com.au  
www.adwjohanson.com.au  
ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

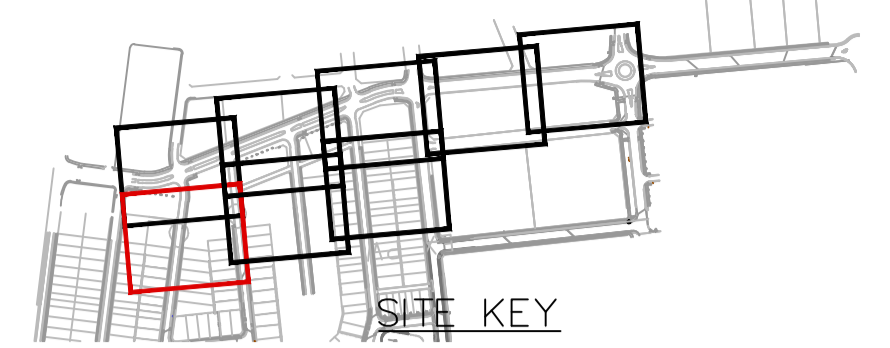
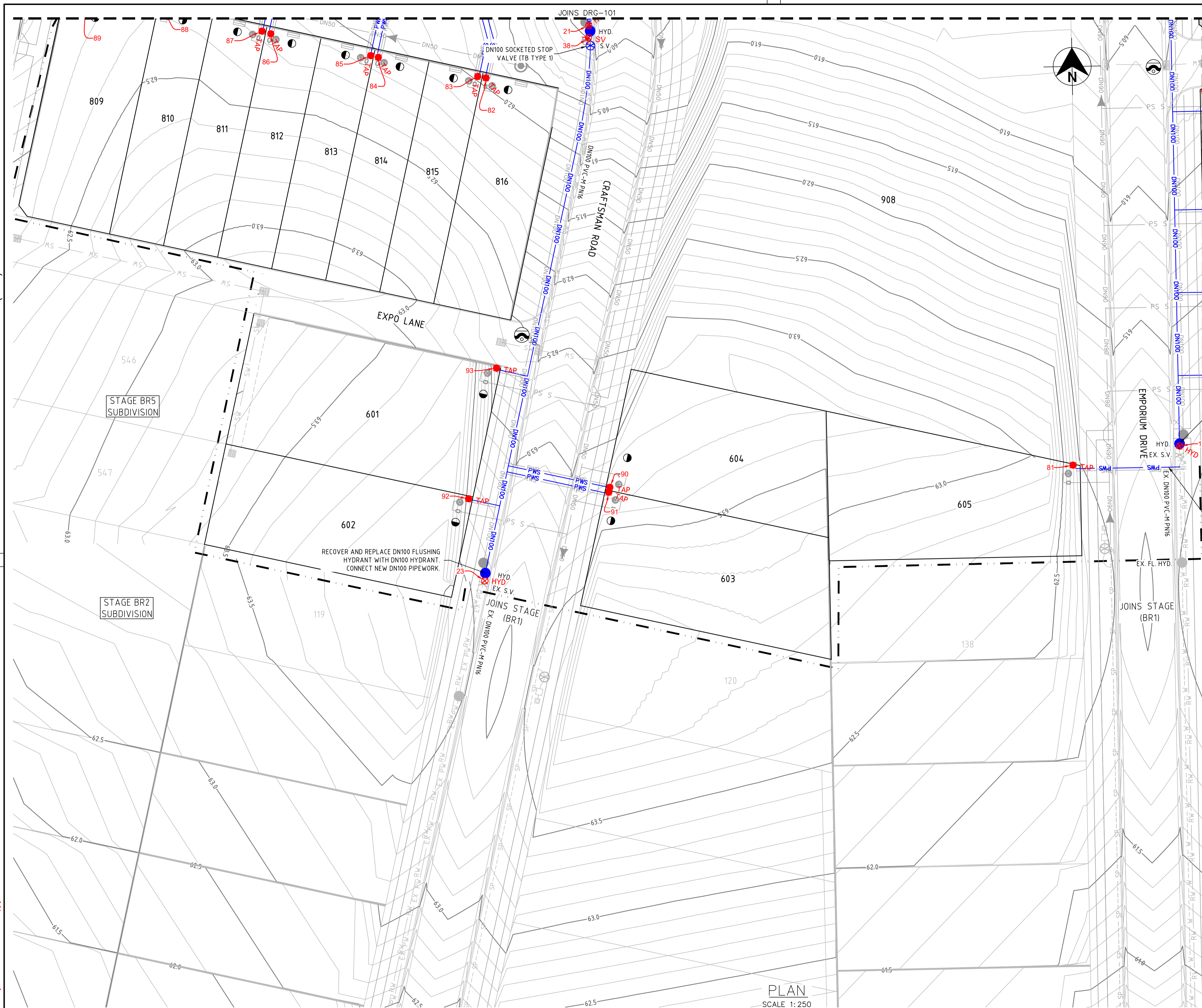
PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

SURVEYED: Daly, Smith

DATUM: GDA94 M.G.A. ZONE 56

A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN 1	240037(BR6)	WAC	101	5



- LEGEND**
- DN300 DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 DN100 PVC-M POTABLE WATER RETICULATION
  - PMS PMS PMS PE POTABLE WATER PROPERTY SERVICE
  - RW RW RW PVC-M RECYCLED WATER RETICULATION
  - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
  - SP SP SP PE PRESSURE SEWER RETICULATION
  - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW SW SW STORMWATER PIPEWORK
  - NBN NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V.N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 2 x LONG SIDE
    - 1 x SHORT SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:**
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOT TAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADW Johnson Pty Ltd	COMPANY
NAME BASS RANDALL	NAME
SIGNED <i>Bass Randall</i> DATE 29/05/2026	SIGNED _____ DATE ____/____/____
REGISTERED SURVEYOR	CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	 SCALE: 1:250 (FULL)
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
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3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	<b>WORK AS CONSTRUCTED</b>	I.B.	C.H.	G.S.	C.B.	

**Hunter Office**  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

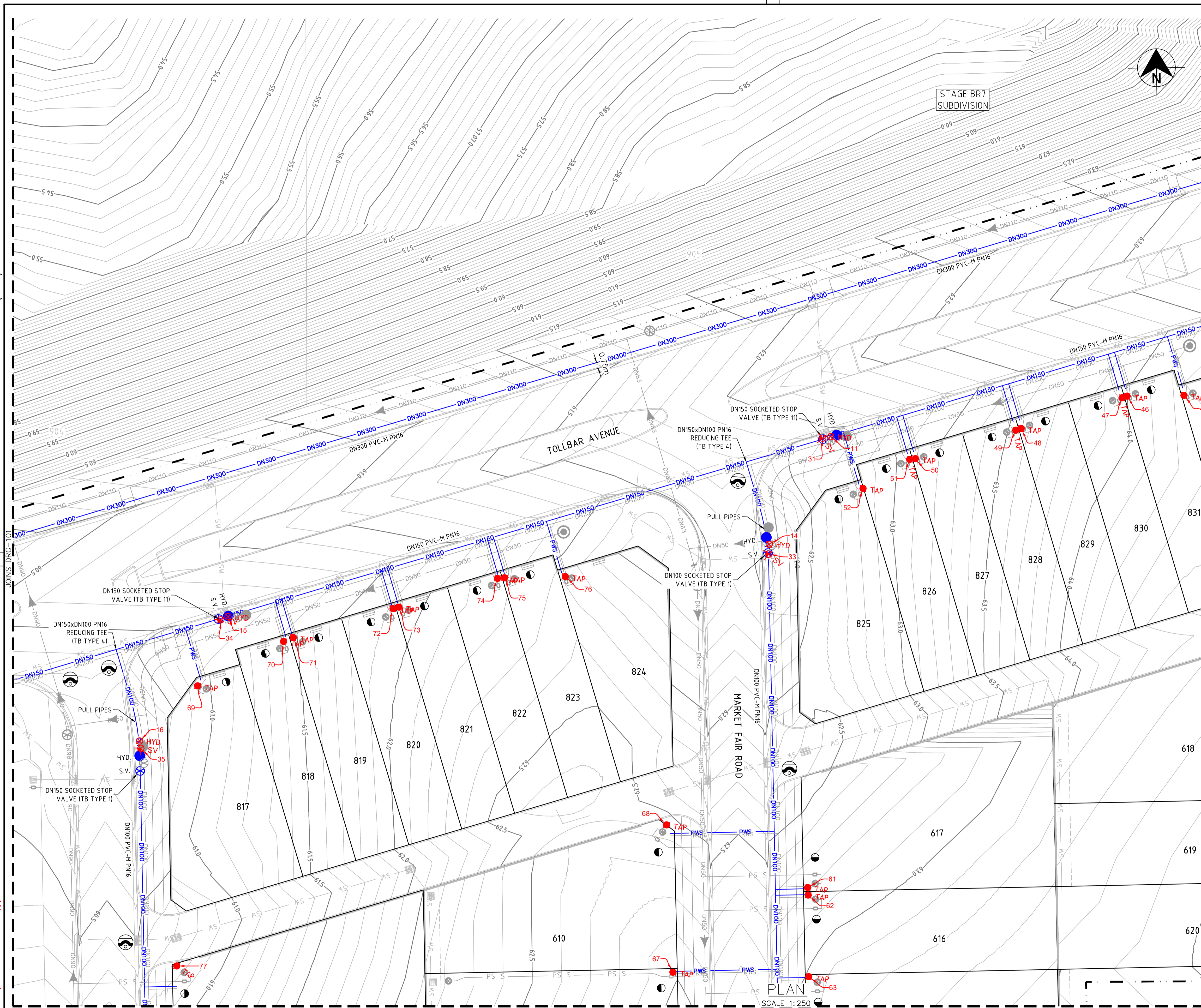
PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE POTABLE WATER DETAIL PLAN 2			
SURVEYED Daly,Smith	DATUM GDA94 M.G.A. ZONE 56	A.H.D.	PROJECT No. 240037(BR6)
DISCIPLINE WAC		NUMBER 102	REV. 5

240037(BR6)-WAC-101

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured red.



- LEGEND**
- DN300 DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 DN100 PVC-M POTABLE WATER RETICULATION
  - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
  - RW RW RW PVC-M RECYCLED WATER RETICULATION
  - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
  - SP- SP- SP- PE PRESSURE SEWER RETICULATION
  - PS S PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW- SW- SW- STORMWATER PIPEWORK
  - NBN NBN NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G G G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

**POTABLE WATER PIPE DATA**

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
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  - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
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**WORK AS CONSTRUCTED**

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COMPANY ADWJohnson Pty Ltd COMPANY  
 NAME BASS RANDALL NAME  
 SIGNED *Bass Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_/\_\_\_\_/\_\_\_\_  
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029 Co-Ord System: MGA Ground  
 E: 345612.942 MGA Datum: GDA94  
 N: 6382878.917 MGA Zone: 56  
 RL: 77.675m

**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
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5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

**adw Johnson**

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 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

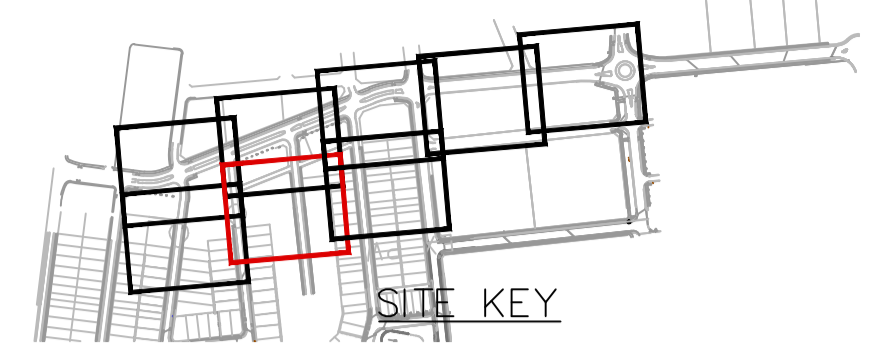
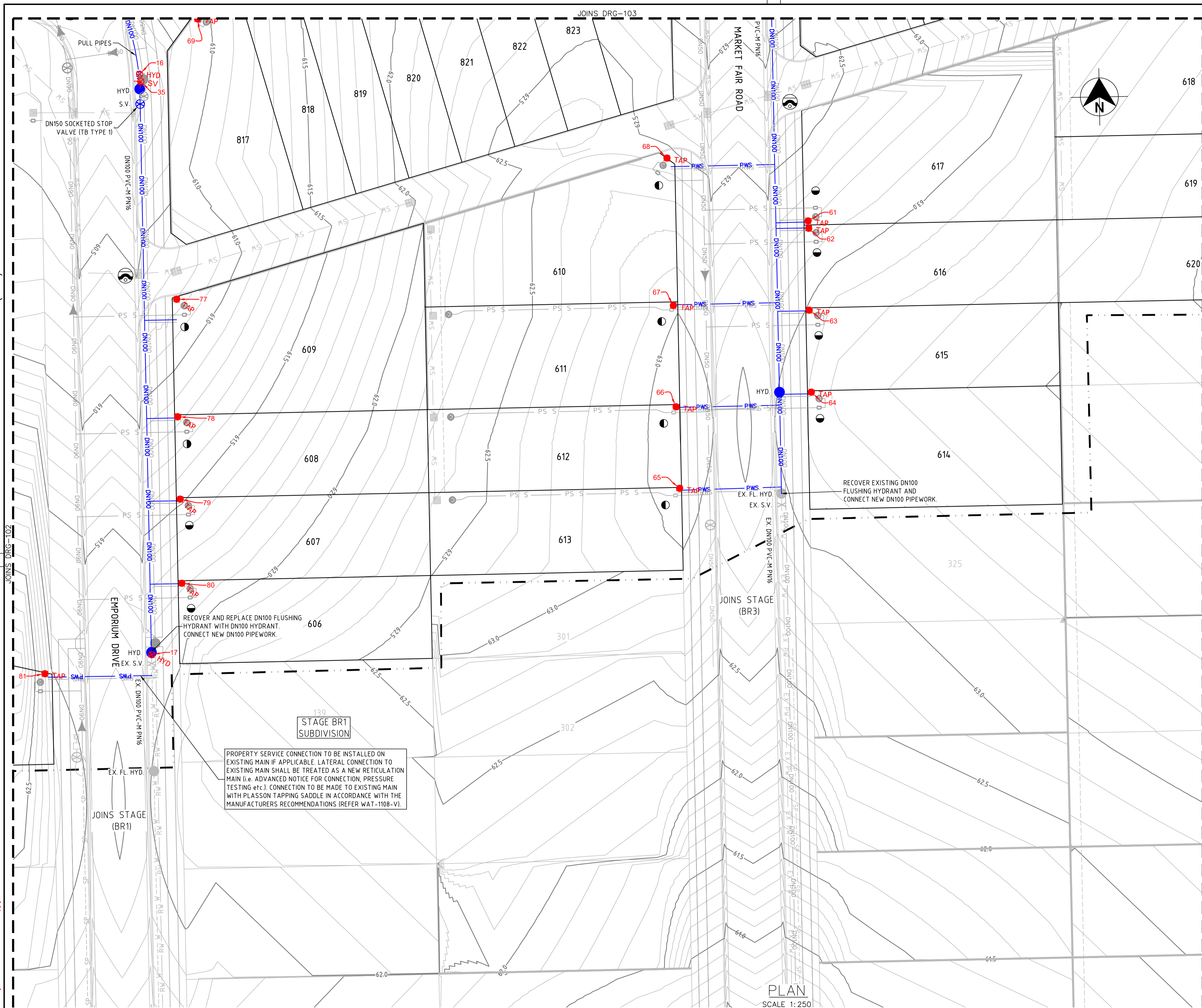
PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLÉE

SURVEYED Daly,Smith DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN 3	240037(BR6)	WAC	103	5

240037(BR6)-WAC-101

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN300 DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 DN100 PVC-M POTABLE WATER RETICULATION
  - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
  - RW RW RW PVC-M RECYCLED WATER RETICULATION
  - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
  - SP SP SP PE PRESSURE SEWER RETICULATION
  - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW SW SW STORMWATER PIPEWORK
  - NBN NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
- S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 45° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
- SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOT TAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
REGISTERED SURVEYOR		SIGNED	
		CONSTRUCTION MANAGER	

**ORIGIN OF W.A.C. LEVELS**

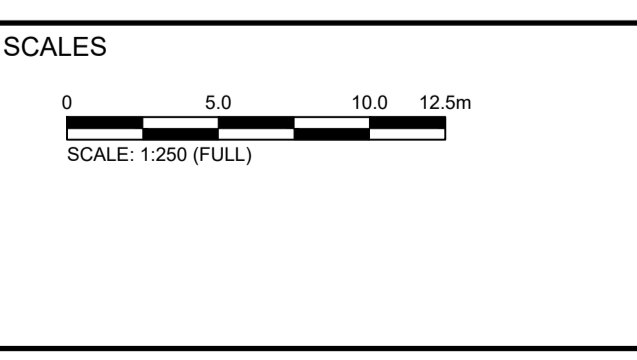
PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.



**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLÉE

SURVEYED  
 Daly, Smith

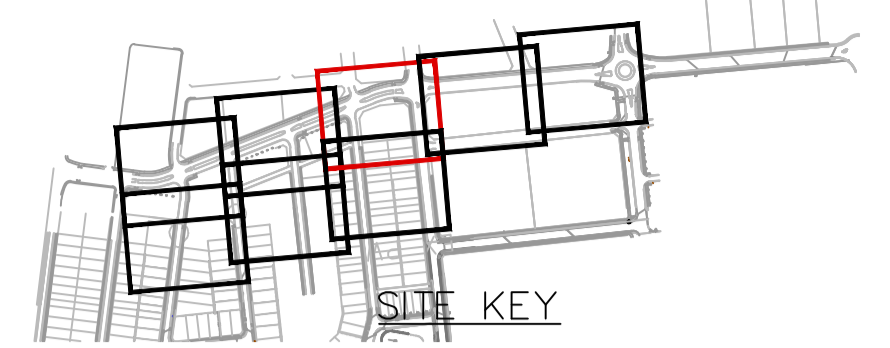
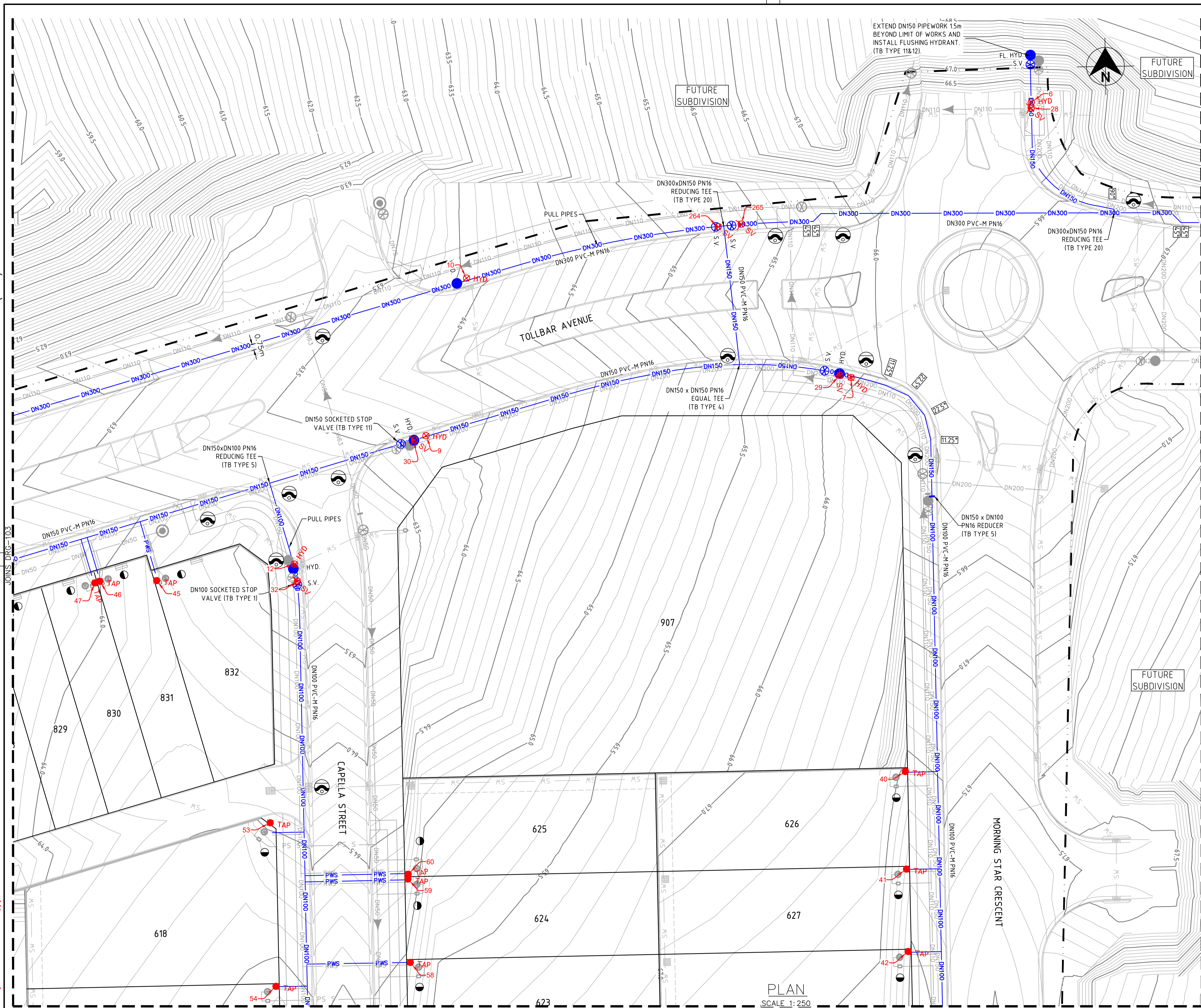
DATUM  
 GDA94 M.G.A. ZONE 56

A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN 4		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	104	5

240037(BR6)-WAC-101

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN300 DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 DN100 PVC-M POTABLE WATER RETICULATION
  - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
  - RW RW RW PVC-M RECYCLED WATER RETICULATION
  - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
  - SP SP SP PE PRESSURE SEWER RETICULATION
  - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW SW SW STORMWATER PIPEWORK
  - NBN NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 11.25° 22.5° 45° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	____/____/____
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	<b>WORK AS CONSTRUCTED</b>	I.B.	C.H.	G.S.	C.B.

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

Plotted By: iainb Plot Date: 29/05/26 - 12:34 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-101.dwg

**adw Johnson**

Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

SURVEYED: Daly, Smith

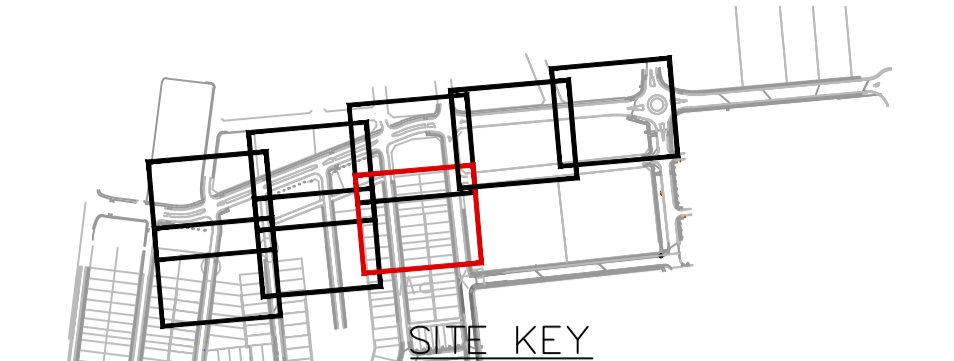
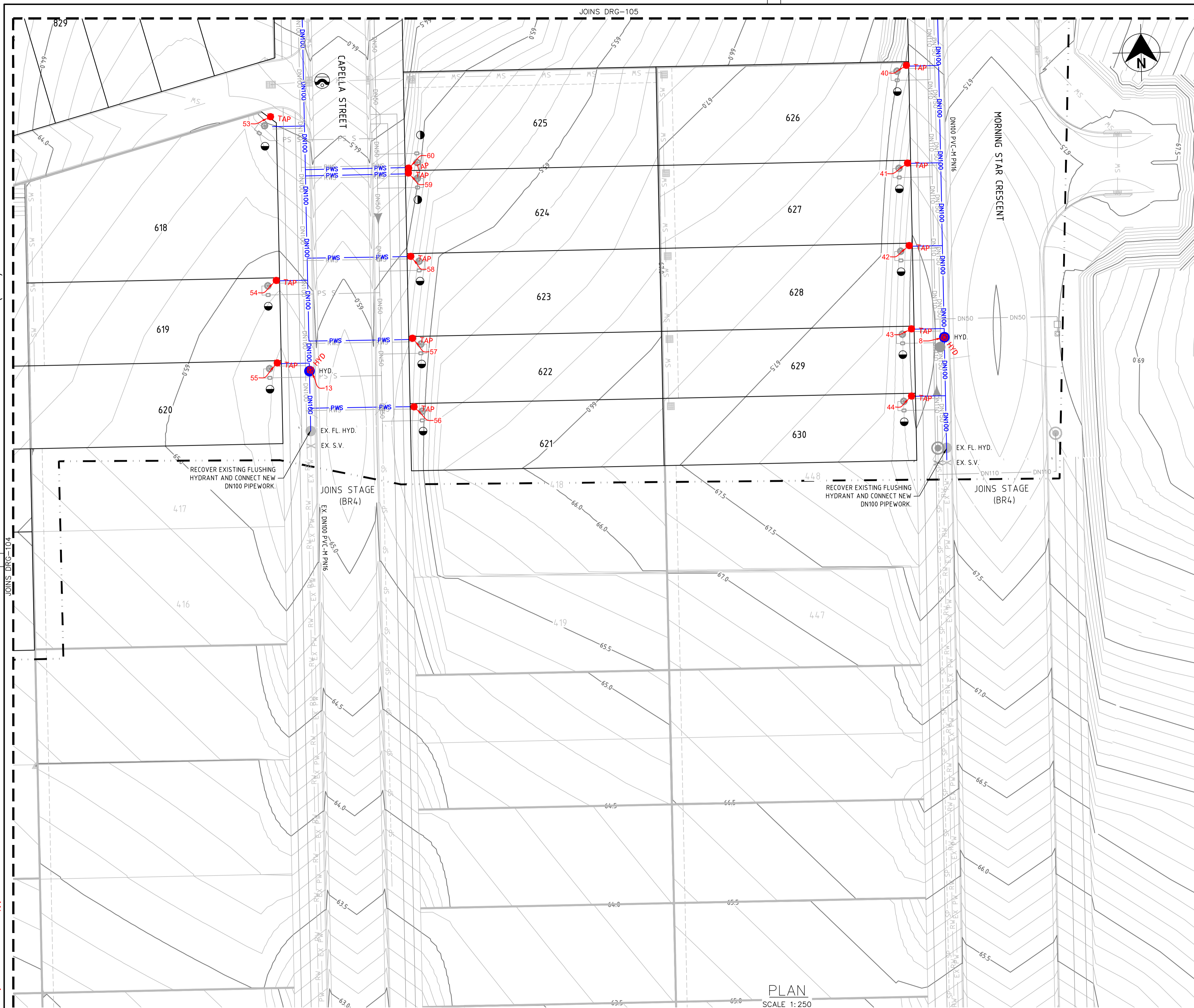
DATUM: GDA94 M.G.A. ZONE 56

A.H.D.

PROJECT			
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE			
POTABLE WATER DETAIL PLAN 5			
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	105	5

240037(BR6)-WAC-101

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN300 — DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 — DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 — DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 — DN100 PVC-M POTABLE WATER RETICULATION
  - PWS — PE POTABLE WATER PROPERTY SERVICE
  - RW — PVC-M RECYCLED WATER RETICULATION
  - RWS — PE RECYCLED WATER PROPERTY SERVICE
  - SP — PE PRESSURE SEWER RETICULATION
  - PS — PE PRESSURE SEWER PROPERTY SERVICE
  - SW — STORMWATER PIPEWORK
  - NBN — EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G — EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E — EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. — STOP VALVE
  - S.V. N.C. — STOP VALVE NORMALLY CLOSED
  - HYD. — HYDRANT
  - FL. HYD. — FLUSHING HYDRANT
  - — PROPERTY SERVICE CONNECTION
  - — LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 90° — HORIZONTAL BEND ANGLE IN MAIN
  - — LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>B. Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	...../...../.....
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		

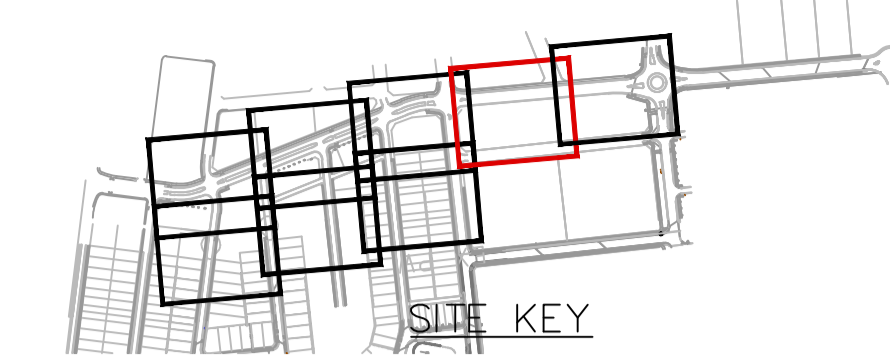
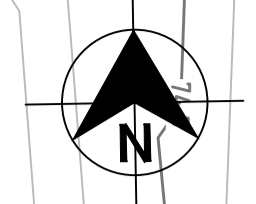
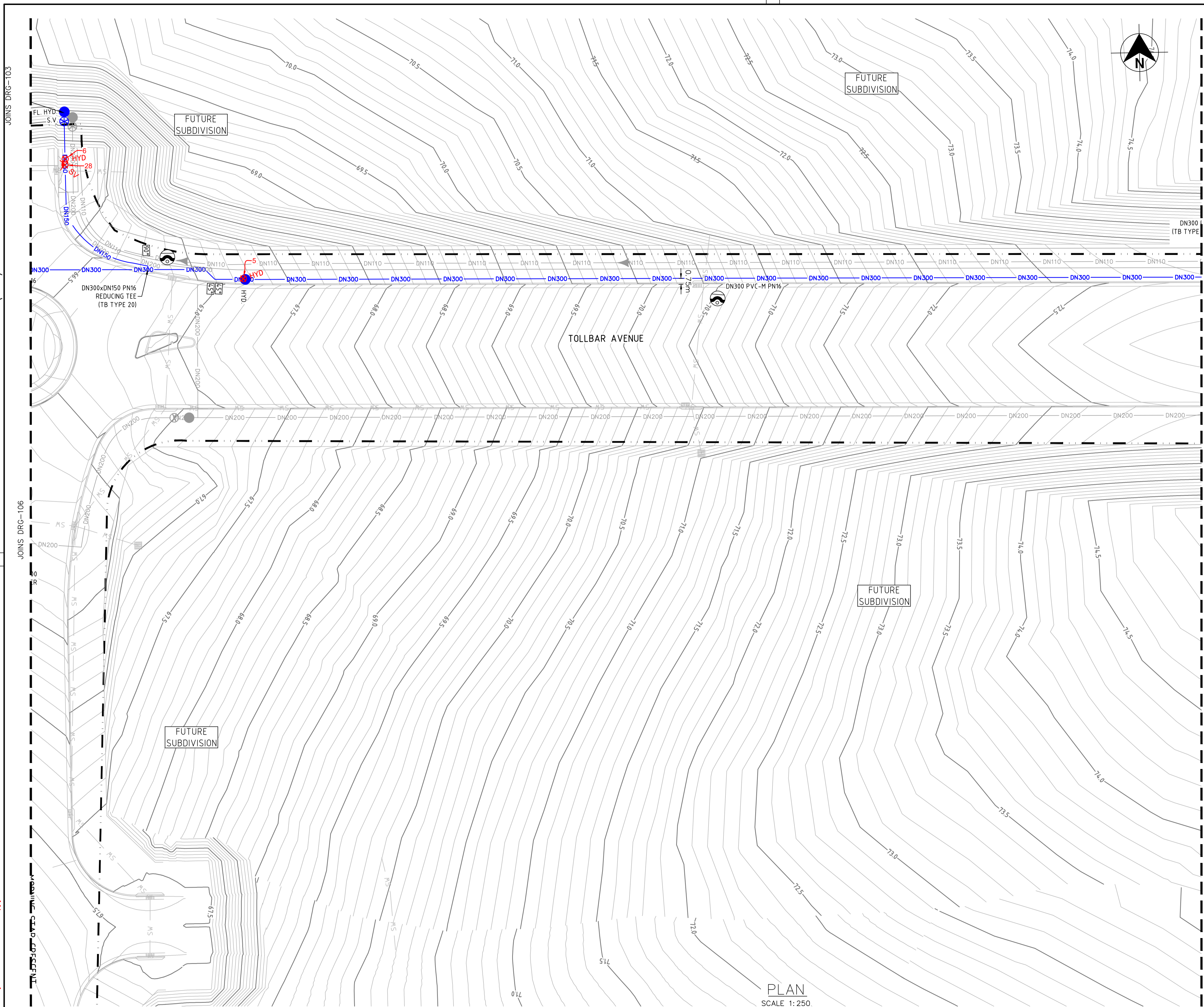


**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.									
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.									
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.									
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.									

240037(BR6)-WAC-101

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured red.



- LEGEND**
- DN300 DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 DN100 PVC-M POTABLE WATER RETICULATION
  - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
  - RW RW RW PVC-M RECYCLED WATER RETICULATION
  - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
  - SP SP SP PE PRESSURE SEWER RETICULATION
  - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW SW SW STORMWATER PIPEWORK
  - NBN NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 1125° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	____/____/____
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
E: 345612.942  
N: 6382878.917  
RL: 77.675m

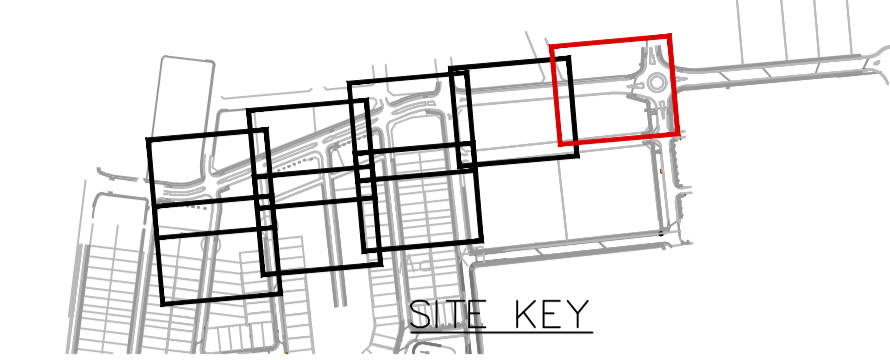
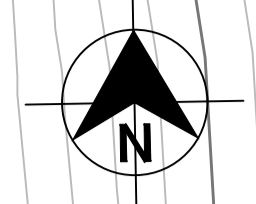
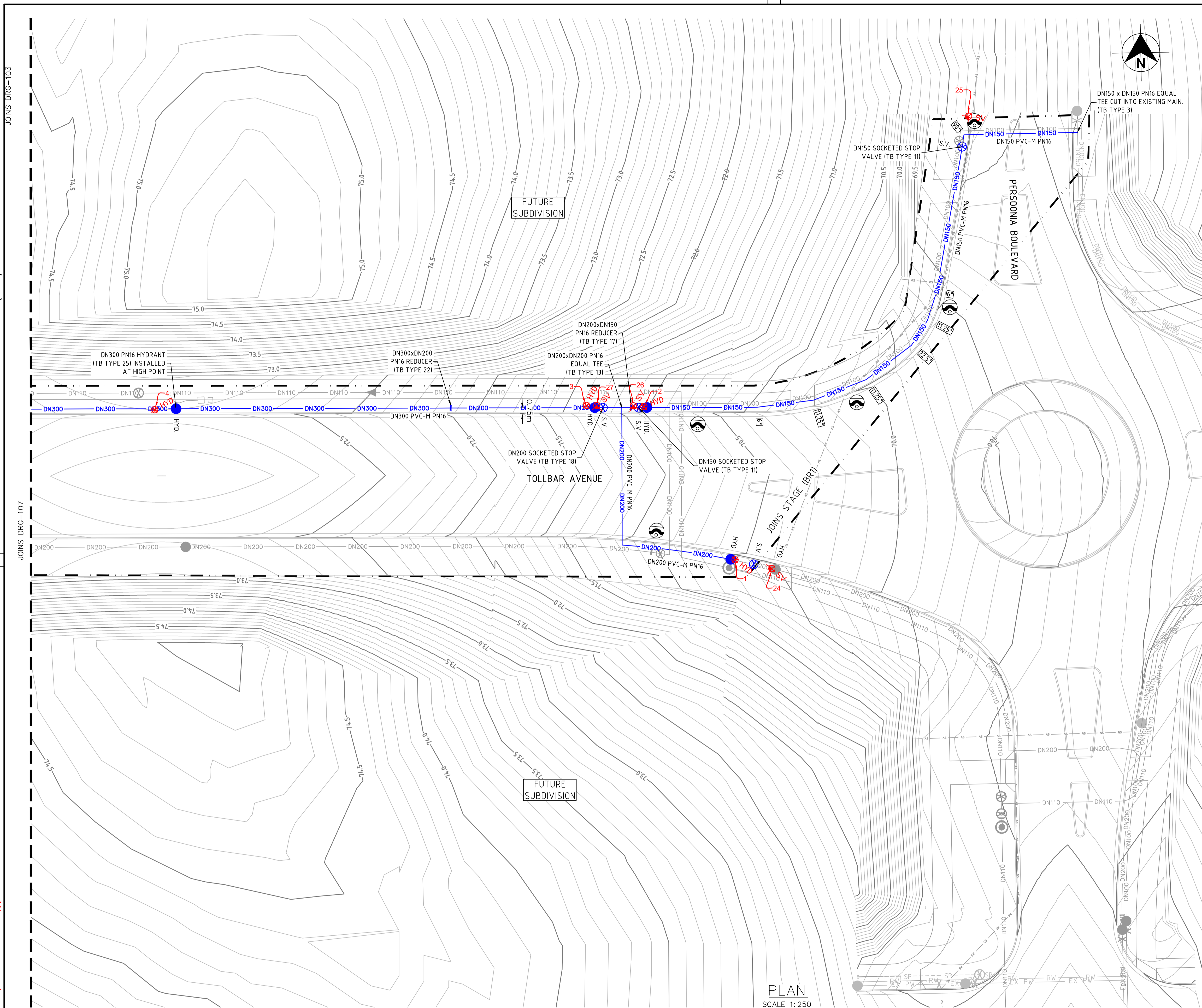
Co-Ord System: MGA Ground  
MGA Datum: GDA94  
MGA Zone: 56



**WORK AS CONSTRUCTED**

PLAN  
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.									
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	 SCALE: 1:250 (FULL)	SURVEYED Daly, Smith	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240037(BR6)	DISCIPLINE WAC	NUMBER 107	REV. 5		
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.									
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.									



- LEGEND**
- DN300 — DN300 PVC-M POTABLE WATER TRUNK MAIN
  - DN200 — DN200 PVC-M POTABLE WATER RETICULATION
  - DN150 — DN150 PVC-M POTABLE WATER RETICULATION
  - DN100 — DN100 PVC-M POTABLE WATER RETICULATION
  - PWS — PE POTABLE WATER PROPERTY SERVICE
  - RW — PVC-M RECYCLED WATER RETICULATION
  - RWS — PE RECYCLED WATER PROPERTY SERVICE
  - SP — PE PRESSURE SEWER RETICULATION
  - PS S — PE PRESSURE SEWER PROPERTY SERVICE
  - SW — STORMWATER PIPEWORK
  - NBN — EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G — EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E — EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
- S.V. — STOP VALVE
  - S.V. N.C. — STOP VALVE NORMALLY CLOSED
  - HYD. — HYDRANT
  - FL. HYD. — FLUSHING HYDRANT
  - — PROPERTY SERVICE CONNECTION
  - — LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 90° — HORIZONTAL BEND ANGLE IN MAIN
  - — LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 16 x SHORT SIDE
    - 8 x LONG SIDE
  - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
    - 1 x SHORT SIDE
    - 2 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	424
DN150	PVC-M PN16	510
DN200	PVC-M PN16	89
DN300	PVC-M PN16	571
DN25 (LATERAL)	PE SDR11	342

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH AL TOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	____/____/____
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

**adw Johnson**

Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohanson.com.au  
www.adwjohanson.com.au  
ABN 62 129 445 398

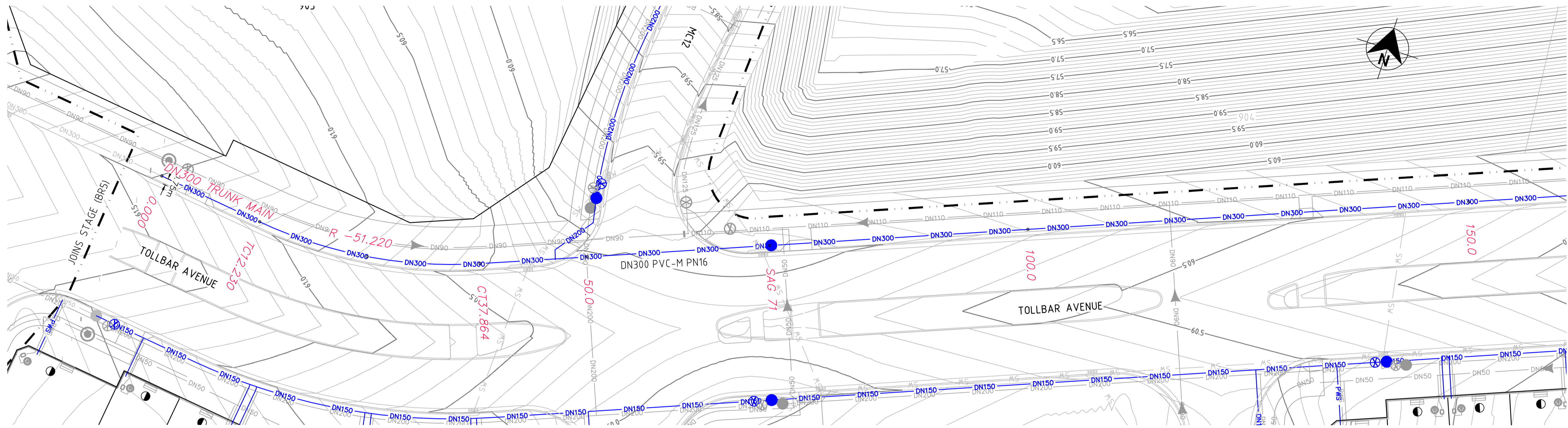
CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

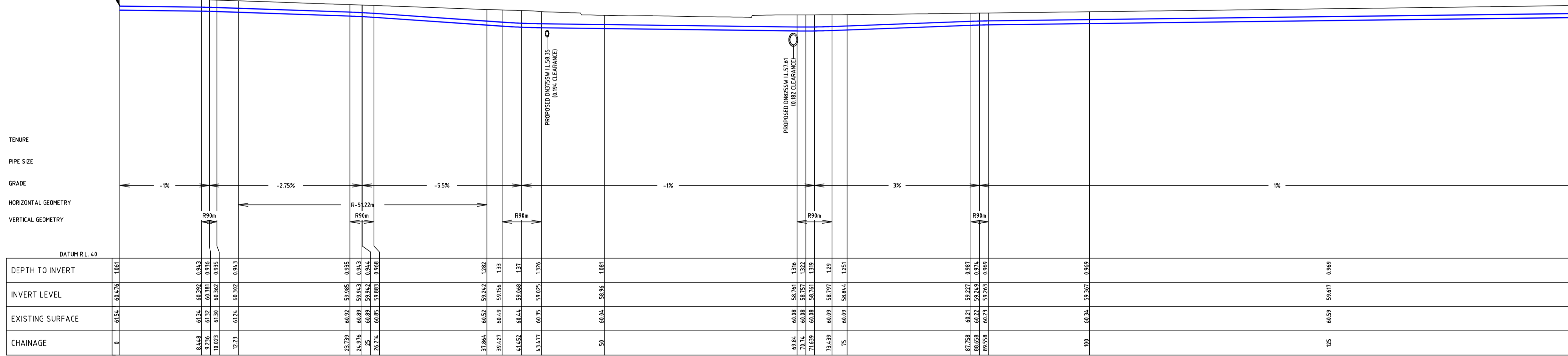
SURVEYED: Daly, Smith  
DATUM: GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN 8		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	108	5



PLAN  
SCALE 1:250

CONNECT TO EXISTING  
DN300 TRUNK MAIN  
LAID DOWN IN BR5



LONGITUDINAL SECTION - BR6 DN300 WATERMAIN  
HORIZONTAL SCALE 1:250  
VERTICAL SCALE 1:200

**WORK AS CONSTRUCTED**  
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COMPANY: ADW Johnson Pty Ltd  
NAME: BASS RANDALL  
SIGNED: [Signature] DATE: 29/05/2026  
REGISTERED SURVEYOR

COMPANY: [Blank]  
NAME: [Blank]  
SIGNED: [Blank] DATE: [Blank]  
CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**  
PM: 20029  
E: 345612.942  
N: 6382878.917  
RL: 77.675m

Co-Ord System: MGA Ground  
MGA Datum: GDA94  
MGA Zone: 56



**WORK AS CONSTRUCTED**

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

SCALES  
0 5.0 10.0 12.5m  
SCALE: 1:250 (FULL)  
0 5.0 10.0m  
SCALE: 1:200 (FULL)

**adw Johnson**  
Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398

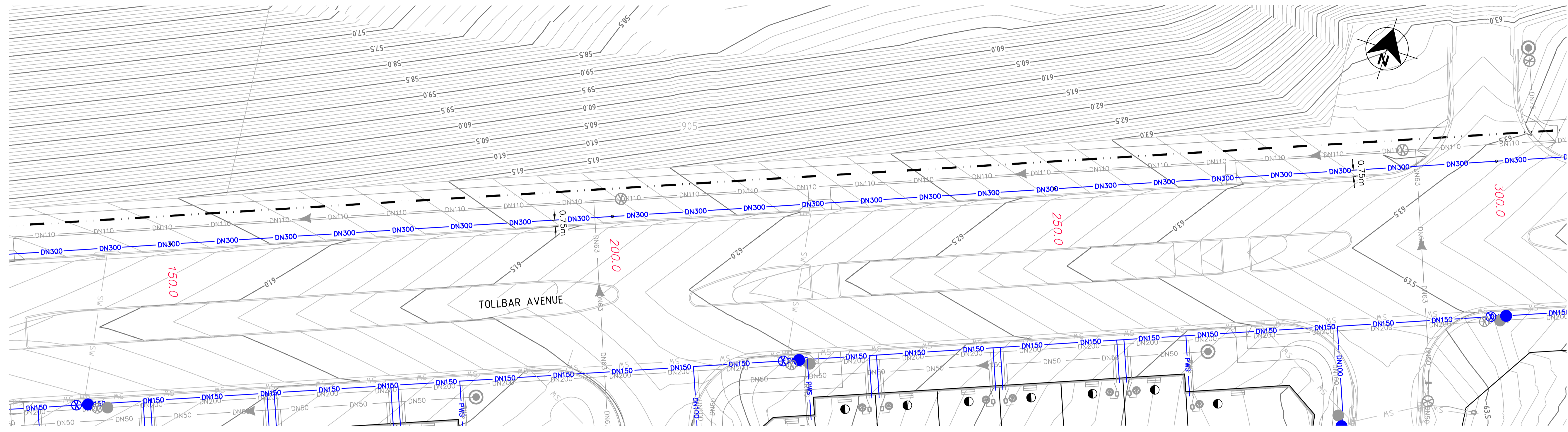
CLIENT  
**altogether.**

PROPERTY DESCRIPTION  
PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

SURVEYED: Daly, Smith  
DATUM: GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT: POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION  
PLAN TITLE: POTABLE WATER TRUNK MAIN DETAIL  
LONGITUDINAL SECTION SHEET 1

PROJECT No. 240037(BR6) - DISCIPLINE WAC - NUMBER 109 - REV. 5



PLAN  
SCALE 1:250

TENURE	PIPE SIZE	GRADE	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY
		1%		
		2%		
		0.5%		
		2%		
DATUM R.L. 42				
DEPTH TO INVERT				
INVERT LEVEL				
EXISTING SURFACE				
CHAINAGE				

LONGITUDINAL SECTION - BR6 DN300 WATERMAIN  
HORIZONTAL SCALE 1:250  
VERTICAL SCALE 1:200

**WORK AS CONSTRUCTED**  
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COMPANY ADW Johnson Pty Ltd  
NAME BASS RANDALL  
SIGNED *Bass Randall* DATE 29/05/2026  
REGISTERED SURVEYOR

COMPANY  
NAME  
SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
CONSTRUCTION MANAGER

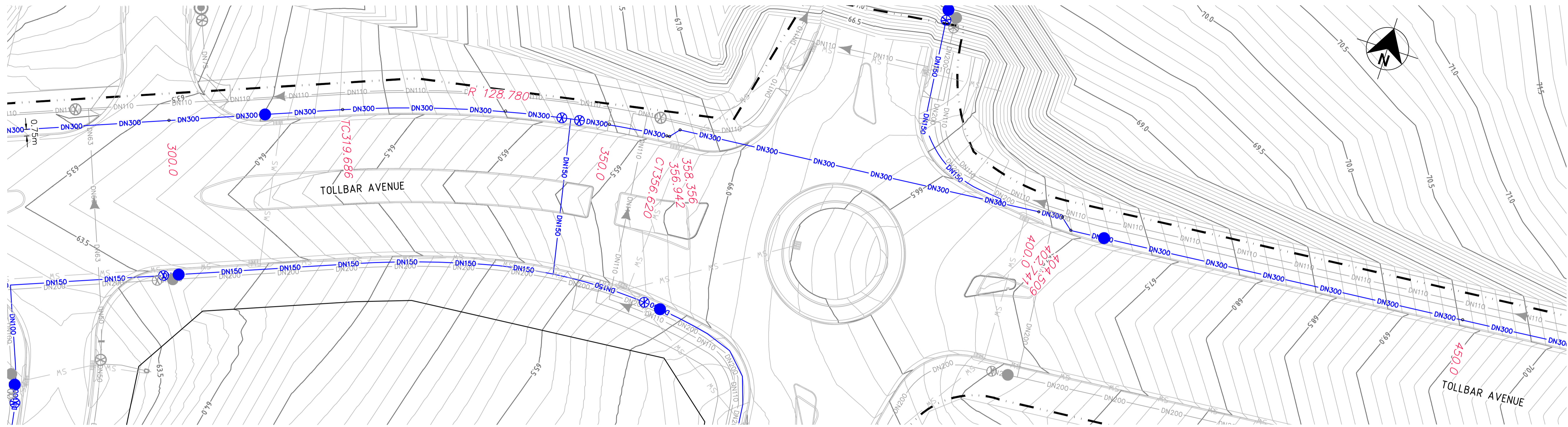
**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		

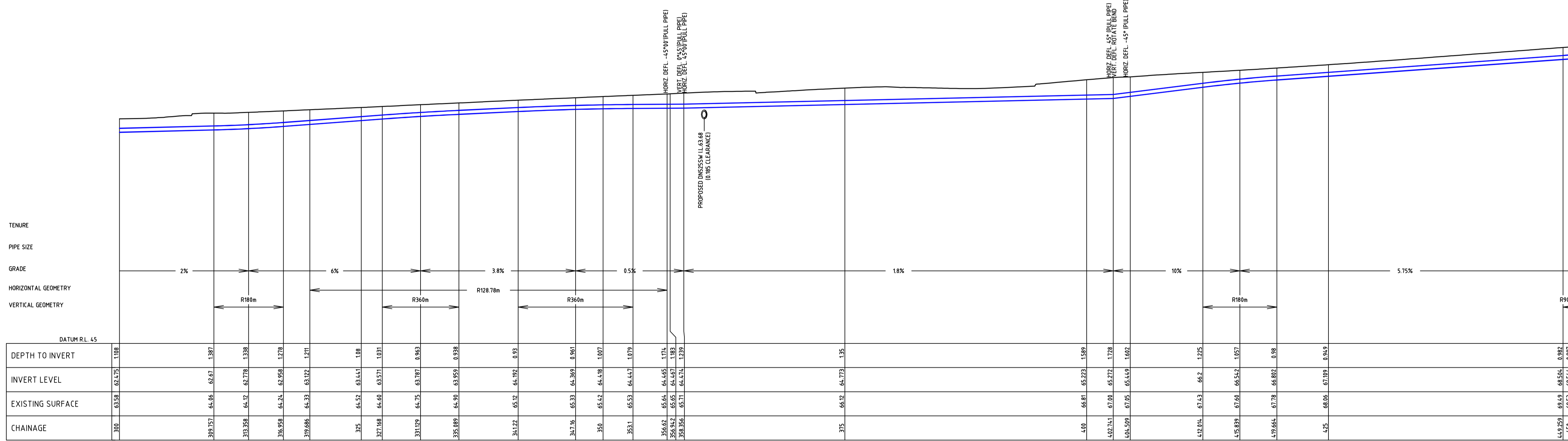


**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT					
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	0 5.0 10.0 12.5m SCALE: 1:250 (FULL)	 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION PLAN TITLE POTABLE WATER TRUNK MAIN DETAIL LONGITUDINAL SECTION SHEET 2					
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	0 5.0 10.0m SCALE: 1:200 (FULL)			SURVEYED Daly,Smith	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240037(BR6) -	DISCIPLINE WAC	NUMBER 110	REV. 5
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.									
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.									



PLAN  
SCALE 1:250



LONGITUDINAL SECTION - BR6 DN300 WATERMAIN  
HORIZONTAL SCALE 1:250  
VERTICAL SCALE 1:200

**WORK AS CONSTRUCTED**  
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COMPANY: ADW Johnson Pty Ltd  
NAME: BASS RANDALL  
SIGNED: [Signature]  
REGISTERED SURVEYOR

COMPANY: [Blank]  
NAME: [Blank]  
SIGNED: [Blank]  
CONSTRUCTION MANAGER

DATE: 29/05/2026  
DATE: [Blank]

**ORIGIN OF W.A.C. LEVELS**  
PM: 20029  
E: 345612.942  
N: 6382878.917  
RL: 77.675m

Co-Ord System: MGA Ground  
MGA Datum: GDA94  
MGA Zone: 56



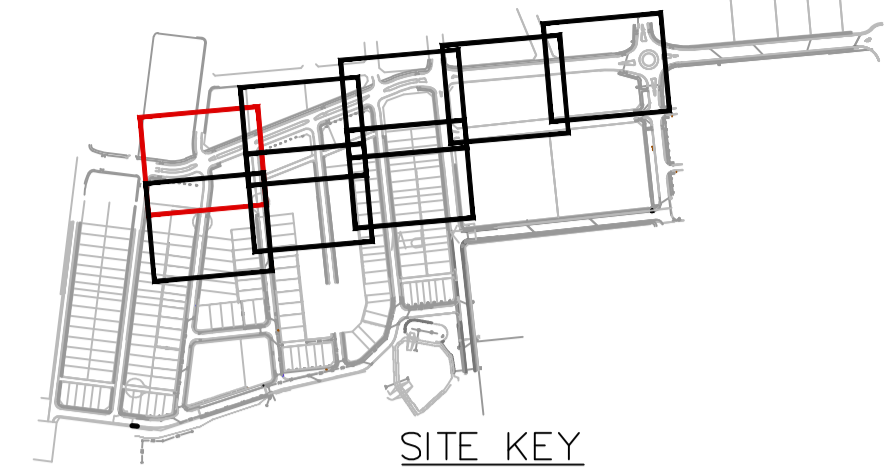
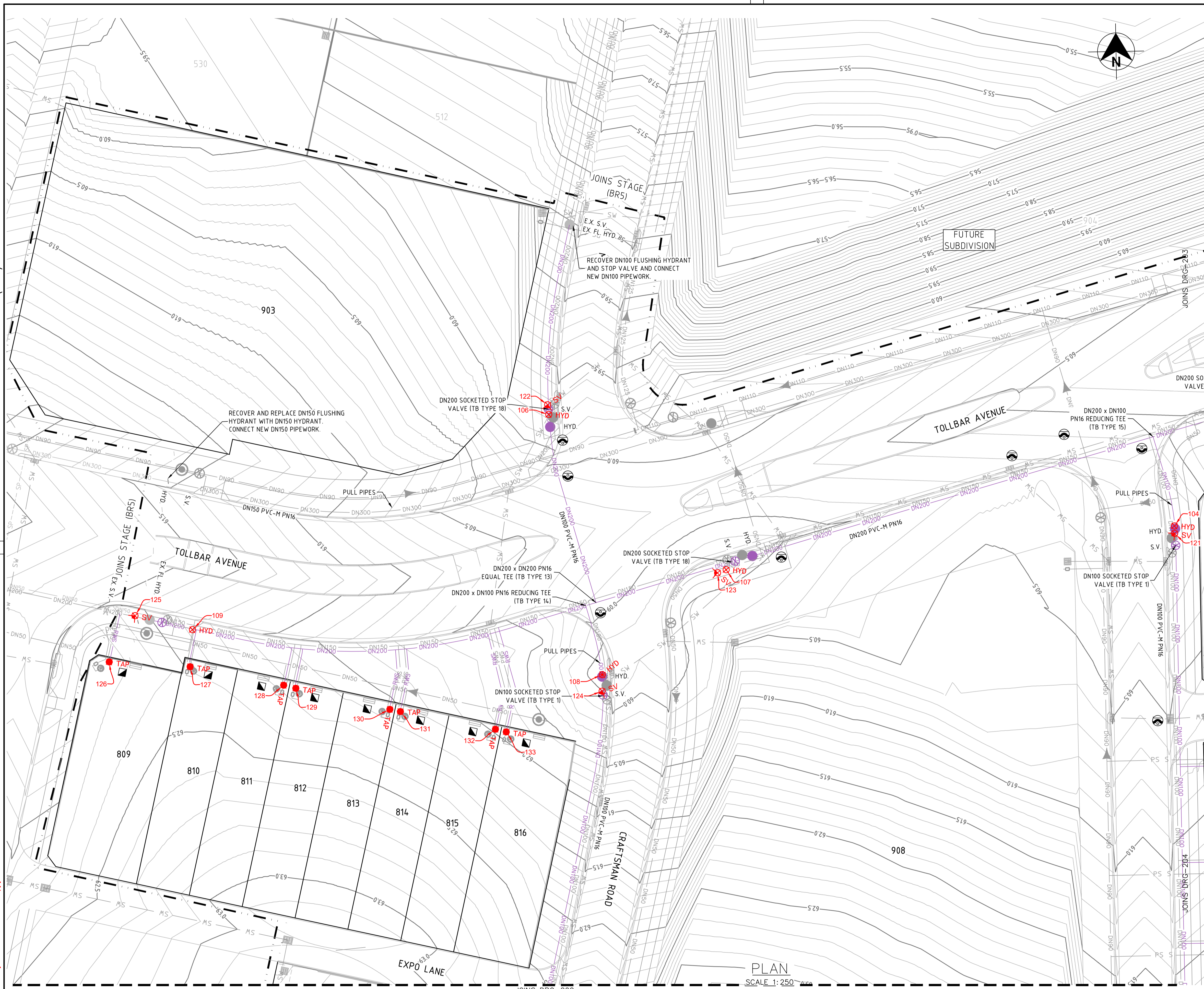
**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	0 5.0 10.0 12.5m	Hunter Office	PROPOSED SUBDIVISION	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER TRUNK MAIN DETAIL LONGITUDINAL SECTION SHEET 3	240037(BR6)	WAC	111	5
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.D.	SCALE: 1:250 (FULL)	Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100	BRIDGING RESIDENTIAL - STAGE BR6						
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.D.	SCALE: 1:200 (FULL)	02 4978 5199 Fax: (02) 4978 5199	HUNTLEE						
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.D.		email: hunter@adwjohnson.com.au							
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.D.		www.adwjohnson.com.au							
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		ABN 62 129 445 398							
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.									
DESIGN FILE		N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAC-design.dwg		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE						SURVEYED		DATUM		PROJECT No.	
Plotted By: iainb		Plot Date: 29/05/26 - 12:35		Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-101.dwg						Daly,Smith		GDA94 M.G.A. ZONE 56 A.H.D.		240037(BR6) - WAC - 111	



240037(BR6)-WAC-208

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 PVC-M RECYCLED WATER RETICULATION
  - RWS PE RECYCLED WATER PROPERTY SERVICE
  - PWS PE POTABLE WATER RETICULATION
  - SPS PE POTABLE WATER PROPERTY SERVICE
  - PS PE PRESSURE SEWER RETICULATION
  - PS-S PE PRESSURE SEWER PROPERTY SERVICE
  - SW STORMWATER PIPEWORK
  - NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
- BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAILING:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
    - FLUSHING PLAN
  - SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	...../...../.....
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942	MGA Datum:	GDA94
N	6382878.917	MGA Zone:	56
RL	77.675m		



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

**adw Johnson**

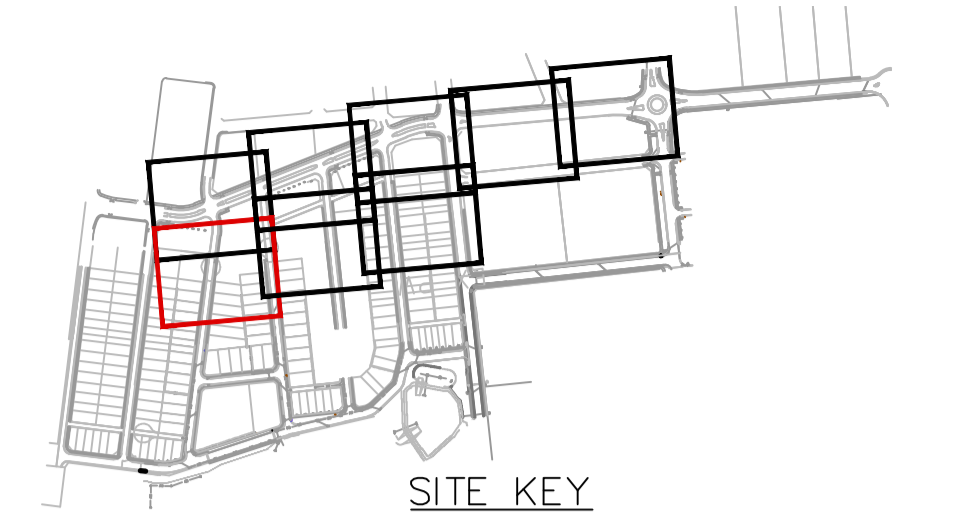
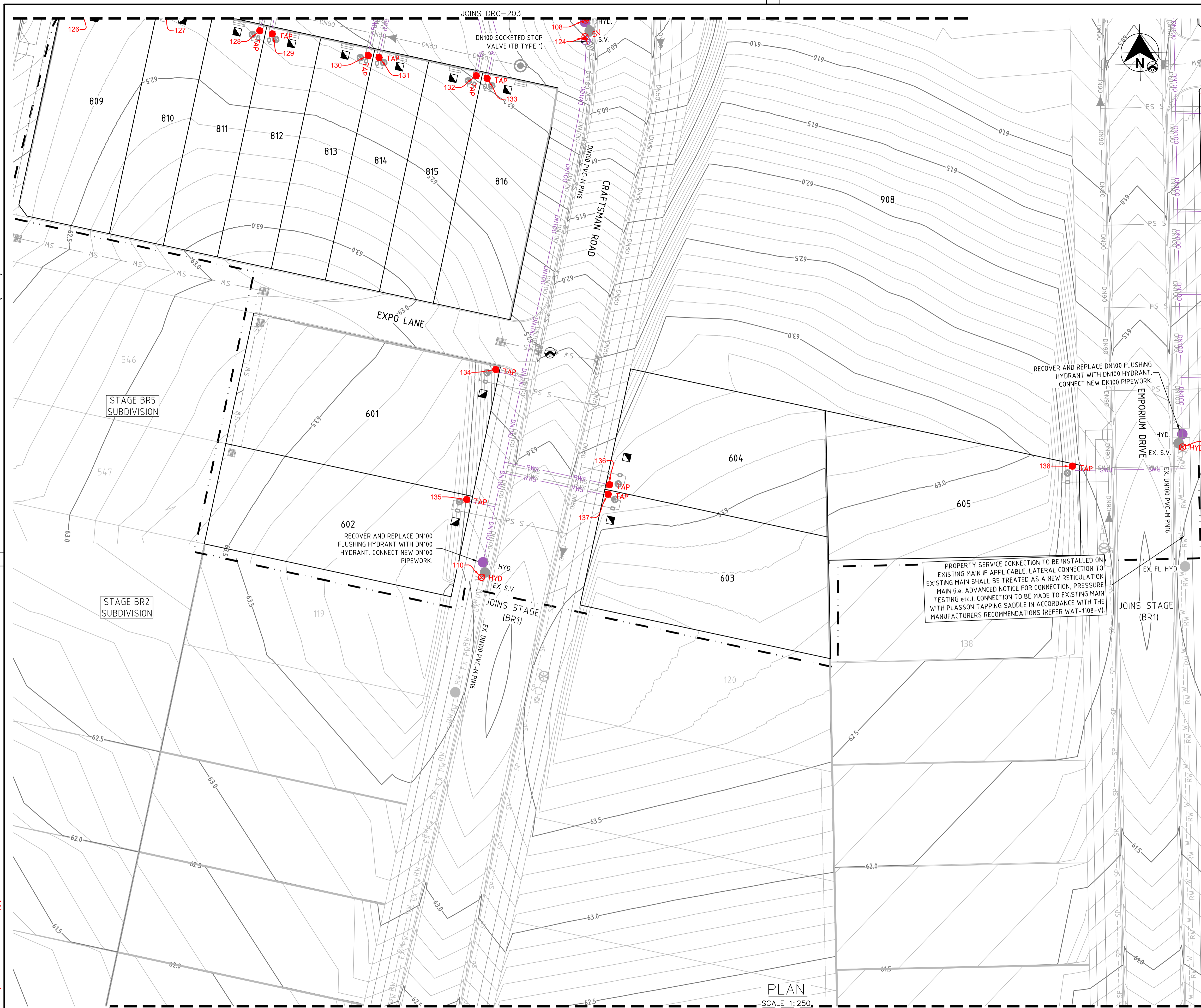
Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN 1		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	201	5



- LEGEND**
- DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 PVC-M RECYCLED WATER RETICULATION
  - PE RECYCLED WATER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PE POTABLE WATER PROPERTY SERVICE
  - PE PRESSURE SEWER RETICULATION
  - PE PRESSURE SEWER PROPERTY SERVICE
  - STORMWATER PIPEWORK
  - EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
  - BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS
  - LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

PROPERTY SERVICE CONNECTION TO BE INSTALLED ON EXISTING MAIN IF APPLICABLE. LATERAL CONNECTION TO EXISTING MAIN SHALL BE TREATED AS A NEW RETICULATION MAIN (i.e. ADVANCED NOTICE FOR CONNECTION, PRESSURE TESTING etc.). CONNECTION TO BE MADE TO EXISTING MAIN WITH PLASSON TAPPING SADDLE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS (REFER WAT-1108-VI)

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAILING:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
    - FLUSHING PLAN
  5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADW Johnson Pty Ltd	COMPANY
NAME BASS RANDALL	NAME
SIGNED <i>Bass Randall</i> DATE 29/05/2026	SIGNED _____ DATE ____/____/____
REGISTERED SURVEYOR	CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	 SCALE: 1:250 (FULL)
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

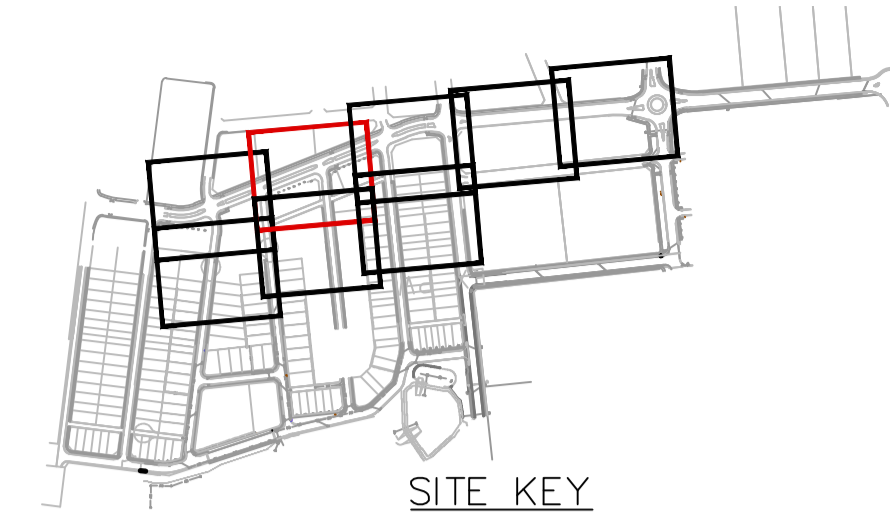
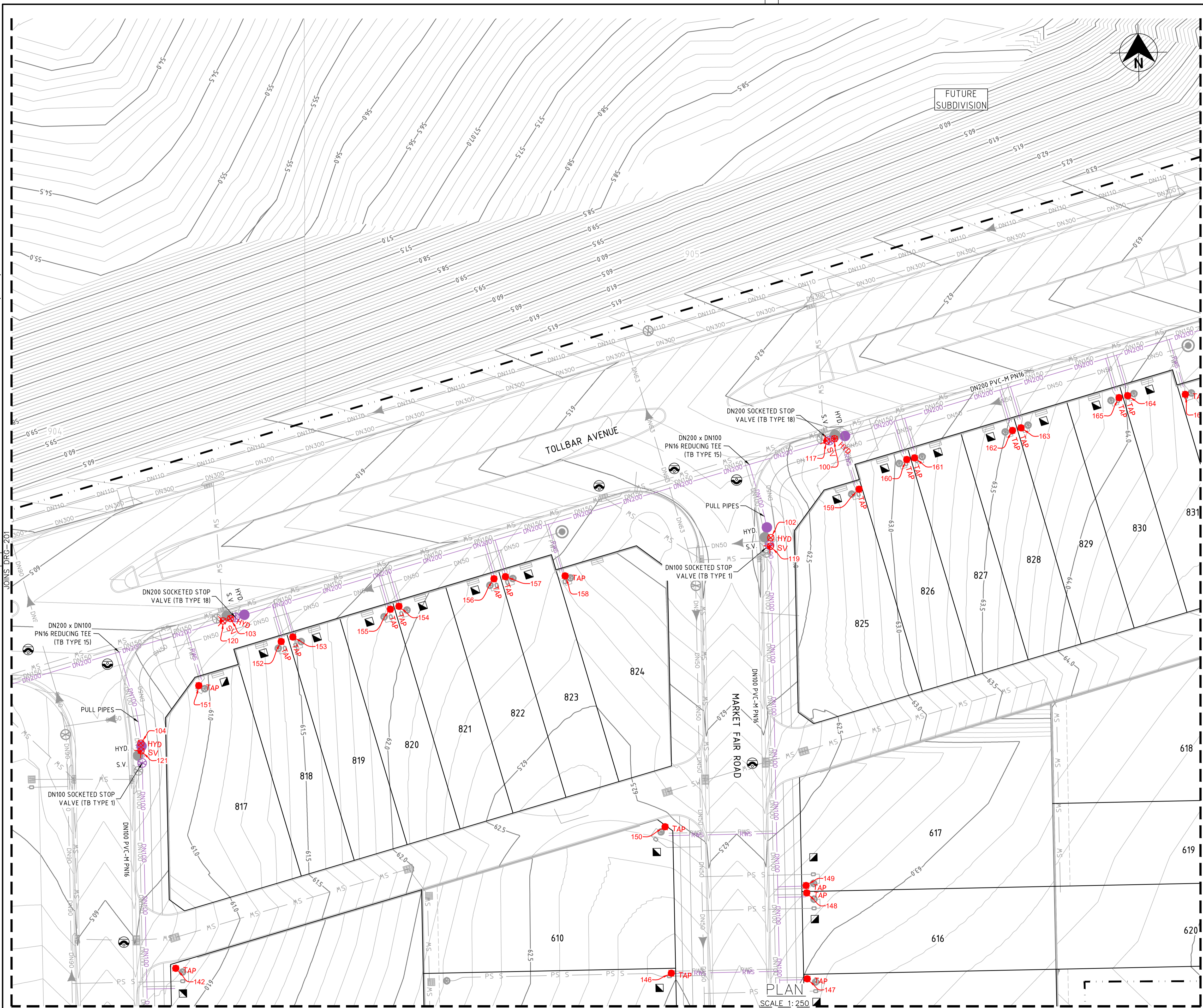
PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

SURVEYED: Daly, Smith  
 DATUM: GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN 2		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	202	5

240037(BR6)-WAC-208

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN200 DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 DN100 PVC-M RECYCLED WATER RETICULATION
  - RWS PE RECYCLED WATER PROPERTY SERVICE
  - PWS PVC-M POTABLE WATER RETICULATION
  - PE POTABLE WATER PROPERTY SERVICE
  - SP PE PRESSURE SEWER RETICULATION
  - PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW STORMWATER PIPEWORK
  - NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
  - BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS
  - LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.  
PROVIDE SHUTDOWN PLAN DETAILING:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
    - FLUSHING PLAN
  5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	...../...../.....
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

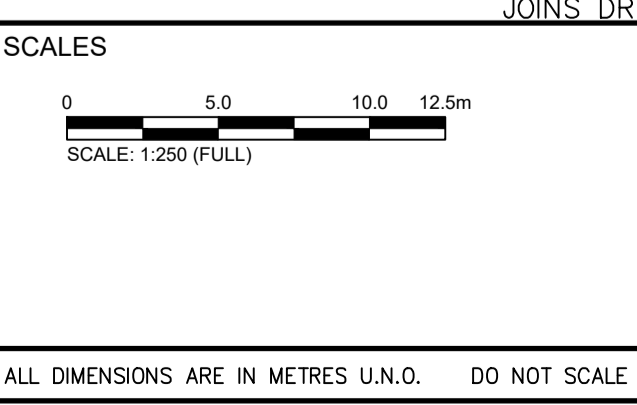
PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.



**adw Johnson**

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 email: hunter@adwjohanson.com.au  
 www.adwjohanson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

SURVEYED  
 Daly, Smith

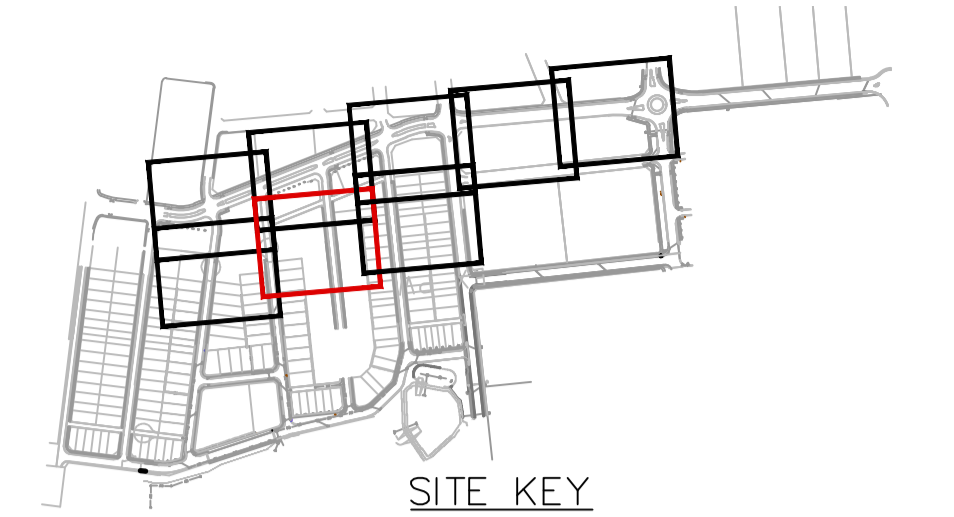
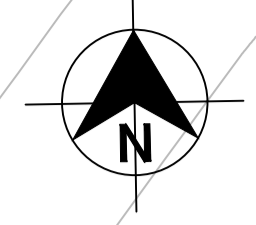
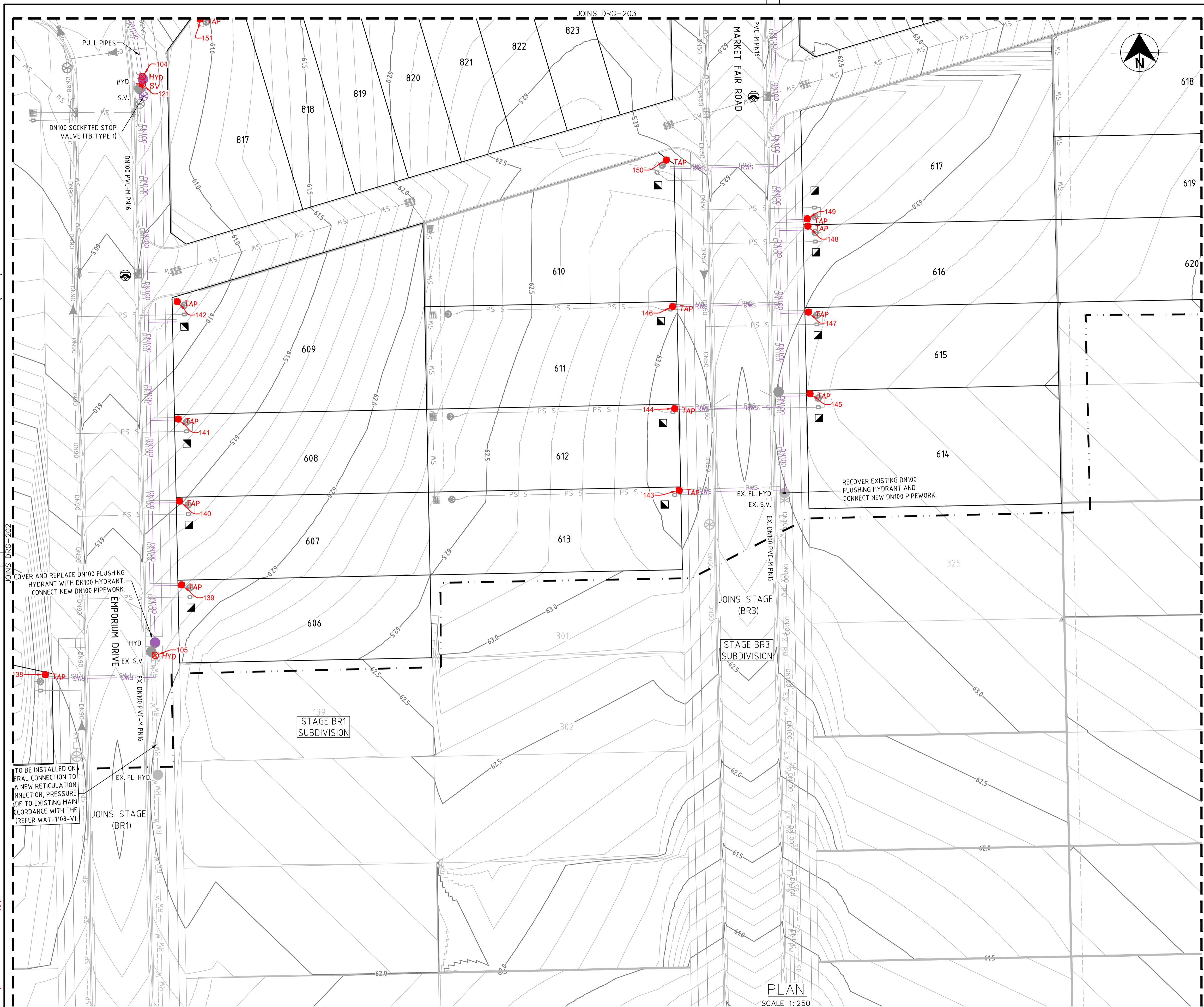
DATUM  
 GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN 3	240037(BR6)	WAC	203	5

DESIGN FILE N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg  
 Plotted By: iainb Plot Date: 29/05/26 - 12:36 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-208.dwg

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

240037(BR6)-WAC-208



- LEGEND**
- DN200 PVC-M RECYCLED WATER RETICULATION
  - DN150 PVC-M RECYCLED WATER RETICULATION
  - DN100 PVC-M RECYCLED WATER RETICULATION
  - RWS RECYCLED WATER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PE POTABLE WATER PROPERTY SERVICE
  - PE PRESSURE SEWER RETICULATION
  - PE PRESSURE SEWER PROPERTY SERVICE
  - STORMWATER PIPEWORK
  - EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - HORIZONTAL BEND ANGLE IN MAIN (112.5°, 22.5°, 65°, 90°)
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
  - BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS
  - LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAILING:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
    - FLUSHING PLAN
  - SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	____/____/____
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

100mm AT FULL SIZE  
 This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

Plotted By: iainb Plot Date: 29/05/26 - 12:37 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-208.dwg

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

**altogether.**

PROPERTY DESCRIPTION

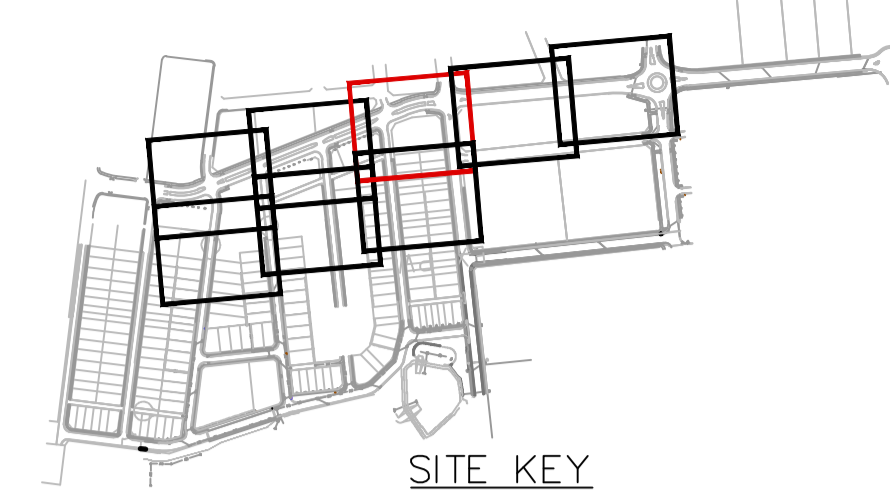
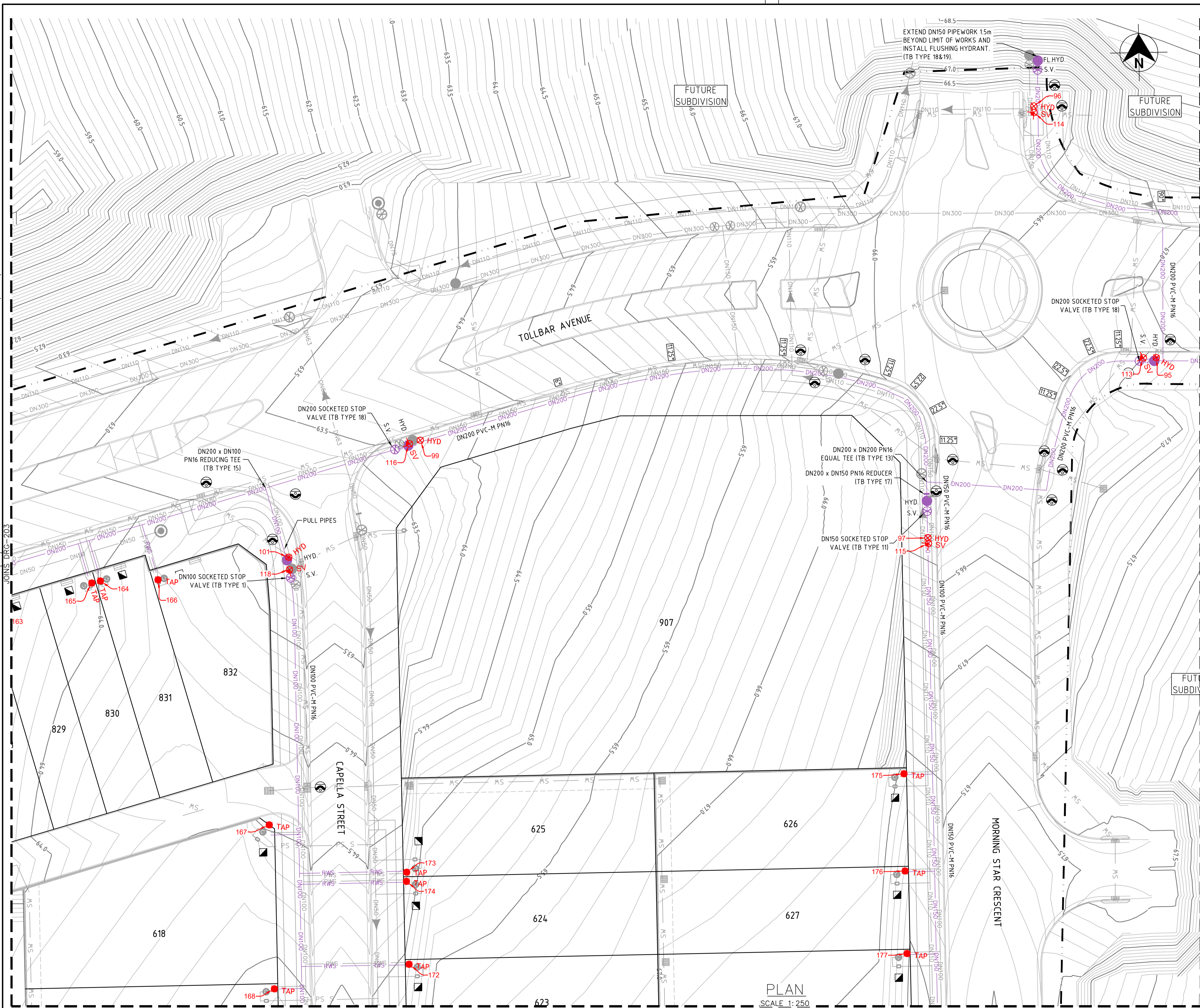
PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLÉE

SURVEYED: Daly, Smith  
 DATUM: GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN 4	240037(BR6)	WAC	204	5

240037(BR6)-WAC-208

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 PVC-M RECYCLED WATER RETICULATION
  - PE RECYCLED WATER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PE POTABLE WATER PROPERTY SERVICE
  - PE PRESSURE SEWER RETICULATION
  - PE PRESSURE SEWER PROPERTY SERVICE
  - STORMWATER PIPEWORK
  - EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V.N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL.HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
  - BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS
  - LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
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  - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
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  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
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COMPANY ADW Johnson Pty Ltd      COMPANY  
 NAME BASS RANDALL      NAME  
 SIGNED *Bass Randall* DATE 29/05/2026      SIGNED \_\_\_\_\_ DATE \_\_\_\_/\_\_\_\_/\_\_\_\_  
 REGISTERED SURVEYOR      CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029      Co-Ord System: MGA Ground  
 E: 345612.942      MGA Datum: GDA94  
 N: 6382878.917      MGA Zone: 56  
 RL: 77.675m

**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
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4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

SCALE
0 5.0 10.0 12.5m
SCALE: 1:250 (FULL)

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

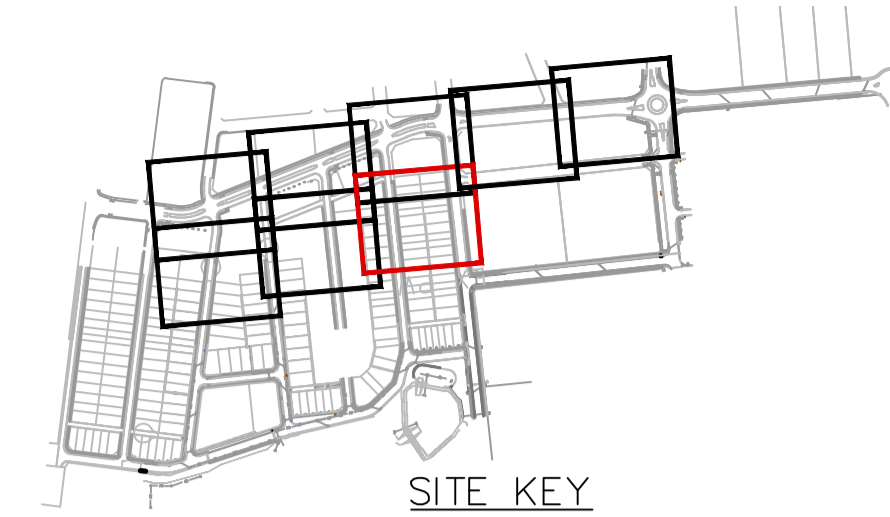
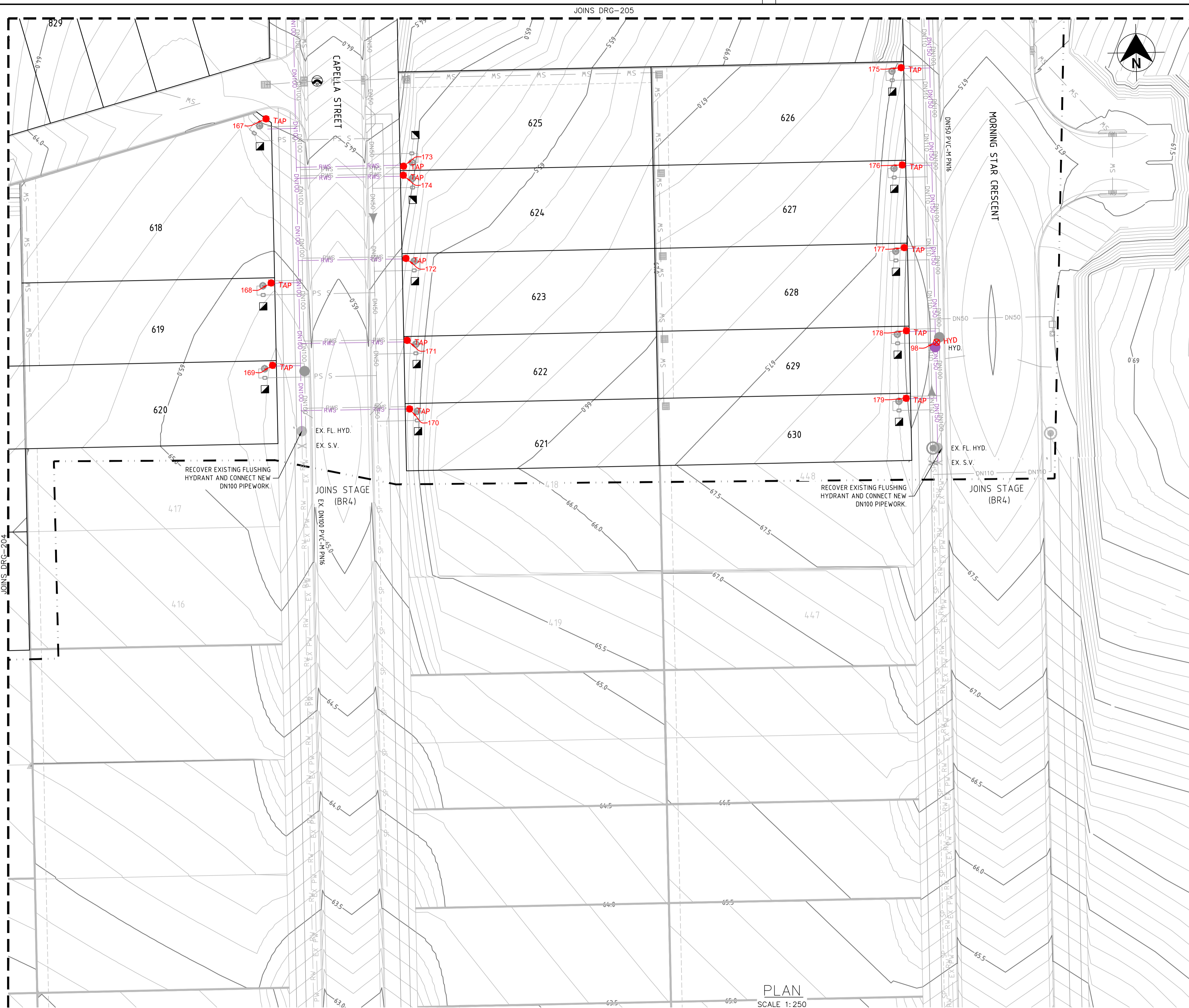
CLIENT

PROPERTY DESCRIPTION	
PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE	
SURVEYED Daly,Smith	DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT			
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE			
RECYCLED WATER DETAIL PLAN 5			
PROJECT No. 240037(BR6)	DISCIPLINE WAC	NUMBER 205	REV. 5

240037(BR6)-WAC-208

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 PVC-M RECYCLED WATER RETICULATION
  - PE RECYCLED WATER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PE POTABLE WATER PROPERTY SERVICE
  - PE PRESSURE SEWER RETICULATION
  - PE PRESSURE SEWER PROPERTY SERVICE
  - STORMWATER PIPEWORK
  - EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
  - BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS
  - LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.  
PROVIDE SHUTDOWN PLAN DETAILING:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
    - FLUSHING PLAN
  - SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADWJohnson Pty Ltd      COMPANY  
 NAME BASS RANDALL      NAME  
 SIGNED *Bass Randall* DATE 29/05/2026      SIGNED \_\_\_\_\_ DATE \_\_\_\_/\_\_\_\_/\_\_\_\_  
 REGISTERED SURVEYOR      CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029      Co-Ord System: MGA Ground  
 E: 345612.942      MGA Datum: GDA94  
 N: 6382878.917      MGA Zone: 56  
 RL: 77.675m



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	 SCALE: 1:250 (FULL)
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

DESIGN FILE N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg

ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

Plotted By: iainb      Plot Date: 29/05/26 - 12:38      Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-208.dwg

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

**altogether.**

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLÉE

SURVEYED Daly,Smith      DATUM GDA94 M.G.A. ZONE 56      A.H.D.

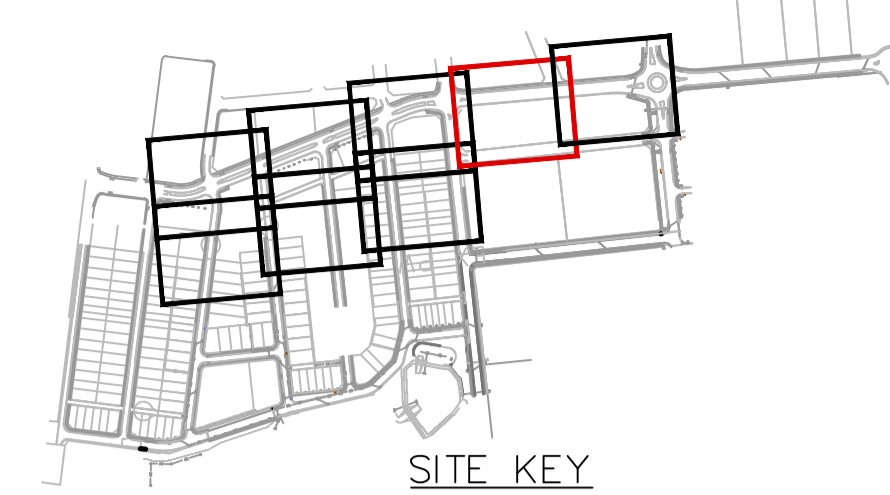
PROJECT  
 POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

PLAN TITLE  
 RECYCLED WATER DETAIL PLAN 6

PROJECT No. 240037(BR6)	DISCIPLINE WAC	NUMBER 206	REV. 5
----------------------------	-------------------	---------------	-----------

240037(BR6)-WAC-208

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 PVC-M RECYCLED WATER RETICULATION
  - RWS RECYCLED WATER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PWS PE POTABLE WATER PROPERTY SERVICE
  - SP PE PRESSURE SEWER RETICULATION
  - PS S PE PRESSURE SEWER PROPERTY SERVICE
  - SW STORMWATER PIPEWORK
  - NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5° 22.5° 65° 60° HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
- BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAILING:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
    - FLUSHING PLAN
  5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	____/____/____
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

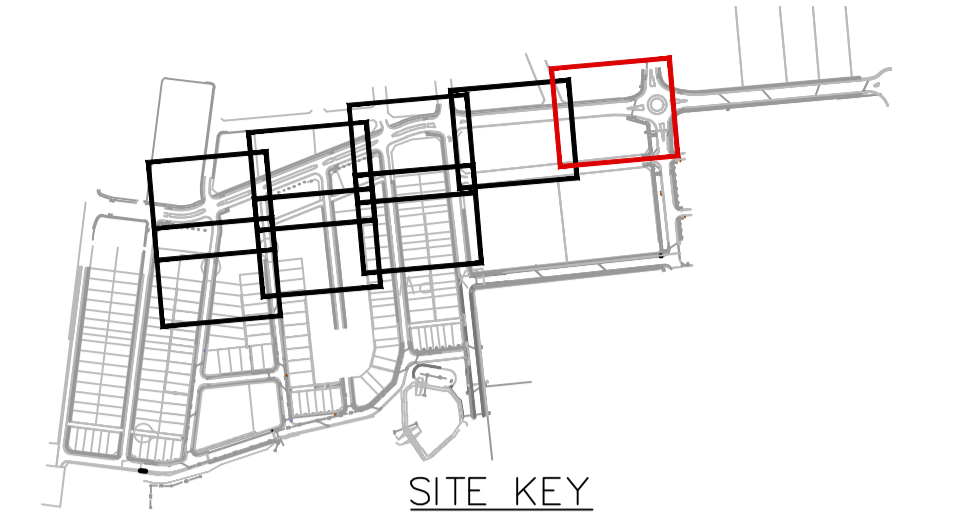
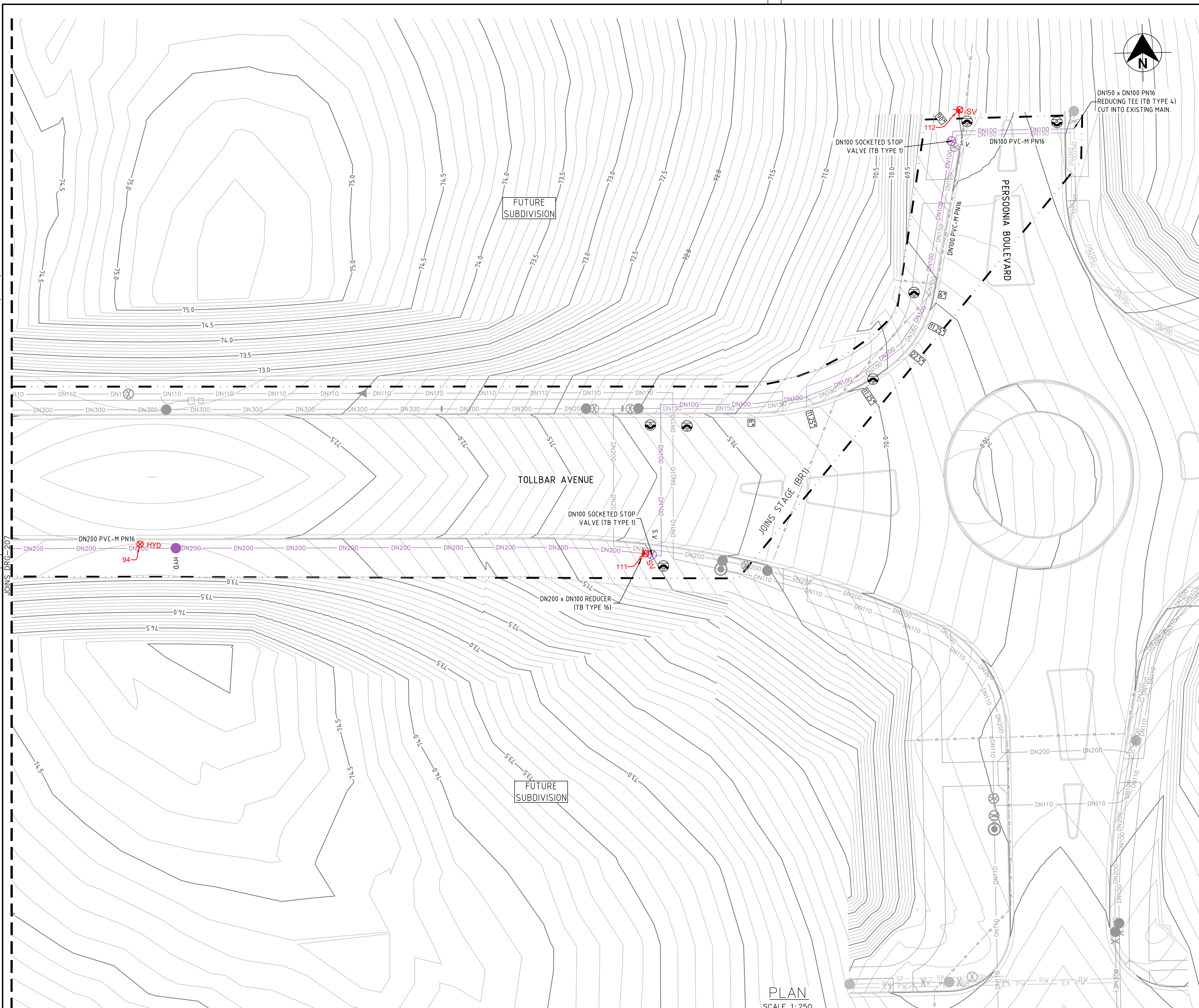
Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56

**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	0 5.0 10.0 12.5m								
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	SCALE: 1:250 (FULL)		<p>DAly.Smith</p>	<p>GDA94 M.G.A. ZONE 56 A.H.D.</p>	<p>240037(BR6) - WAC</p>	<p>207</p>	<p>5</p>		
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.									
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.									
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.									

240037(BR6)-WAC-208

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured red.



- LEGEND**
- DN200 DN200 PVC-M RECYCLED WATER RETICULATION
  - DN100 DN100 PVC-M RECYCLED WATER RETICULATION
  - RWS RWS PE RECYCLED WATER PROPERTY SERVICE
  - PWS PWS PE POTABLE WATER PROPERTY SERVICE
  - SP SP PE PRESSURE SEWER RETICULATION
  - PS PS PE PRESSURE SEWER PROPERTY SERVICE
  - SW SW STORMWATER PIPEWORK
  - NBN NBN EXISTING NBN CABLE (FROM BYDA PLANS ONLY)
  - G G EXISTING GAS MAIN (FROM BYDA PLANS ONLY)
  - ex E ex E EXISTING U/G POWER CABLE (FROM BYDA PLANS ONLY)
  - S.V. STOP VALVE
  - S.V. N.C. STOP VALVE NORMALLY CLOSED
  - HYD. HYDRANT
  - FL. HYD. FLUSHING HYDRANT
  - PROPERTY SERVICE CONNECTION
  - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
  - 112.5 22.5 65 90 HORIZONTAL BEND ANGLE IN MAIN
  - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 30 CONNECTIONS
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 18 x SHORT SIDE
    - 12 x LONG SIDE
  - BR8 RECYCLED WATER PROPERTY SERVICE CONNECTIONS
  - LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
DN100	PVC-M PN16	431
DN150	PVC-M PN16	86
DN200	PVC-M PN16	721
DN32 (LATERAL)	PE PN16	367

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 303.
  3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  4. CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE.
- PROVIDE SHUTDOWN PLAN DETAILING:
- DURATION OF REQUIRED SHUTDOWN
  - ISOLATION VALVES TO BE CLOSED
  - FLUSHING PLAN
5. SEEK APPROVAL FROM ALTOGETHER WORKS SUPERVISOR TO PERFORM HOTTAP CONNECTION IF PREFERRED CONSTRUCTION METHODOLOGY FOR CONNECTION.

**WORK AS CONSTRUCTED**

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED	<i>Bass Randall</i>	DATE	29/05/2026
	REGISTERED SURVEYOR	SIGNED	
		DATE	____/____/____
			CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

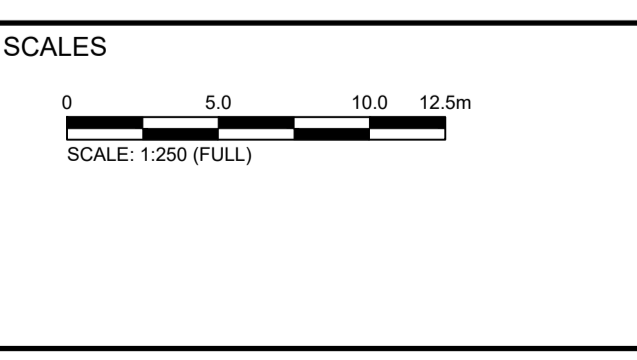
PM 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.



**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

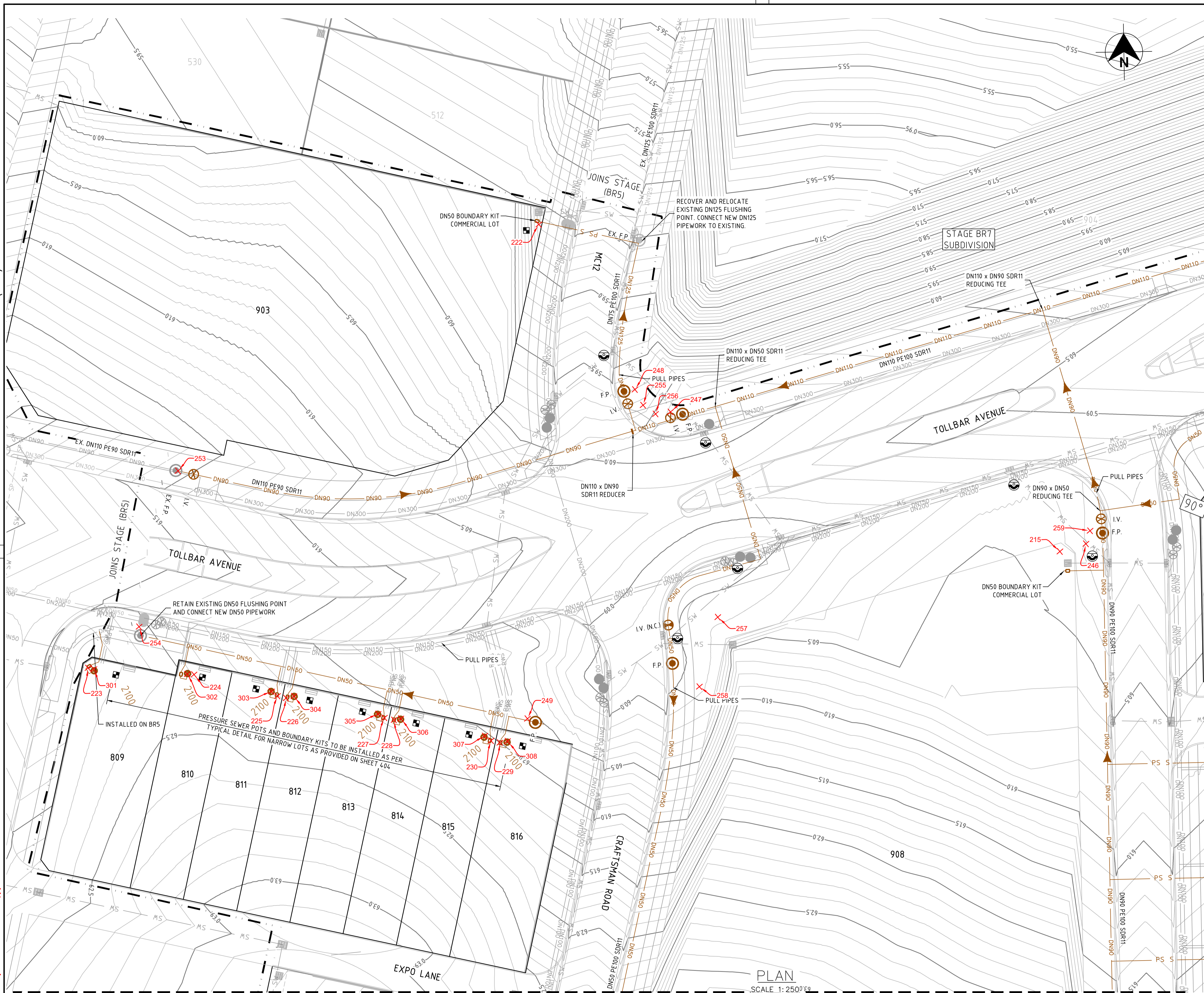
PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN 8		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	208	5

240037(BR6)-WAC-308

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN125 PE PRESSURE SEWER RETICULATION
  - DN110 PE PRESSURE SEWER RETICULATION
  - DN90 PE PRESSURE SEWER RETICULATION
  - DN50 PE PRESSURE SEWER RETICULATION
  - PS S PE PRESSURE SEWER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PWS POTABLE WATER PROPERTY SERVICE
  - RW PVC-M RECYCLED WATER RETICULATION
  - RWS PE RECYCLED WATER PROPERTY SERVICE
  - SW STORMWATER PIPEWORK
  - DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PS PRESSURE SEWER PROPERTY SERVICE CONNECTIONS  
TOTAL 54 CONNECTIONS  
• SINGLE SERVICES  
-12 x SHORT SIDE  
-18 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8  
• SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V  
-24 x SHORT SIDE  
-0 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
  - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:  
- DURATION OF REQUIRED SHUTDOWN  
- ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-1016B-FS.

**WORK AS CONSTRUCTED**

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COMPANY: ADW Johnson Pty Ltd  
 NAME: BASS RANDALL  
 SIGNED: [Signature] DATE: 29/05/2026  
 REGISTERED SURVEYOR

COMPANY: [Blank]  
 NAME: [Blank]  
 SIGNED: [Blank] DATE: [Blank]  
 CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

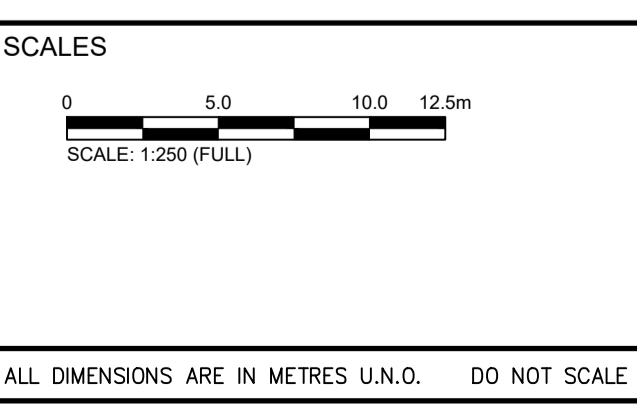
PM: 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.



**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohanson.com.au  
 www.adwjohanson.com.au  
 ABN 62 129 445 398

CLIENT

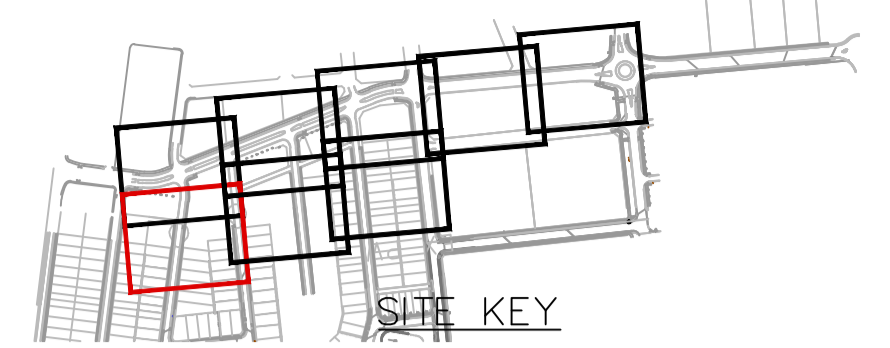
PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

SURVEYED: Daly,Smith  
 DATUM: GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PRESSURE SEWER DETAIL PLAN 1	240037(BR6)	WAC	301	5

240037(BR6)-WAC-308



**LEGEND**

DN125	DN125 PE PRESSURE SEWER RETICULATION
DN110	DN110 PE PRESSURE SEWER RETICULATION
DN90	DN90 PE PRESSURE SEWER RETICULATION
DN50	DN50 PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
SW	STORMWATER PIPEWORK
SW	DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

- PS PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS
- SINGLE SERVICES
    - 12 x SHORT SIDE
    - 18 x LONG SIDE
  - BR6 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR6
  - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

**PRESSURE SEWER PIPE DATA**

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
  - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).**
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-1016B-FS.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY: ADW Johnson Pty Ltd

NAME: BASS RANDALL      NAME: \_\_\_\_\_

SIGNED: *Bass Randall*      DATE: 29/05/2026      SIGNED: \_\_\_\_\_      DATE: \_\_\_\_\_

REGISTERED SURVEYOR      CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM: 20029      Co-Ord System: MGA Ground

E: 345612.942      MGA Datum: GDA94

N: 6382878.917      MGA Zone: 56

RL: 77.675m



**WORK AS CONSTRUCTED**

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.

**SCALES**

0      5.0      10.0      12.5m

SCALE: 1:250 (FULL)

**adw Johnson**

Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398

**CLIENT**

**altogether.**

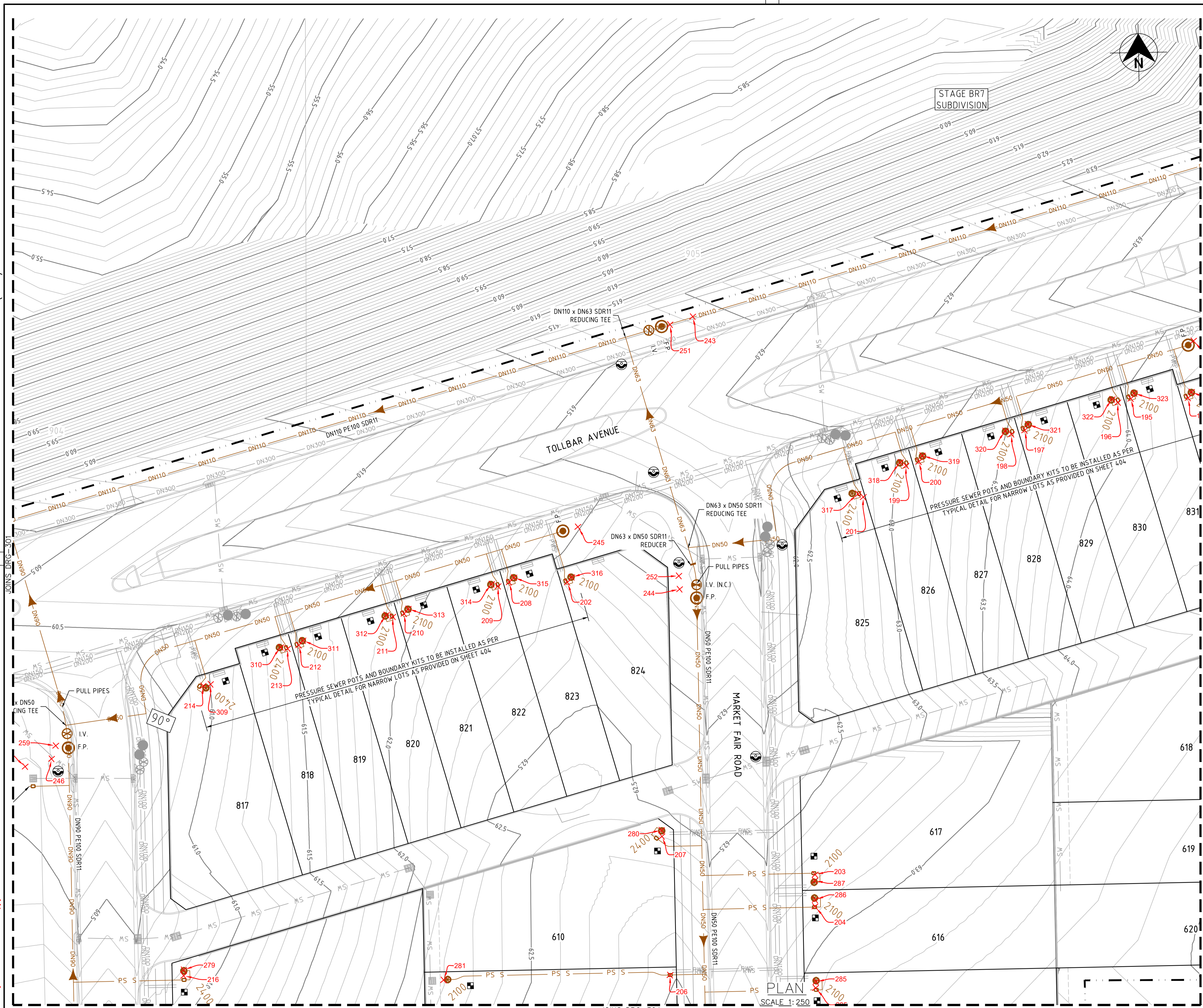
**PROPERTY DESCRIPTION**

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

<b>PROJECT</b> POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
<b>PLAN TITLE</b> PRESSURE SEWER DETAIL PLAN 2			
<b>SURVEYED</b> Daly,Smith	<b>DATUM</b> GDA94 M.G.A. ZONE 56	<b>PROJECT No.</b> 240037(BR6)	<b>DISCIPLINE</b> WAC
<b>A.H.D.</b>	<b>NUMBER</b> 302	<b>REV.</b> 5	

240037(BR6)-WAC-308

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



**LEGEND**

DN125	DN125 PE PRESSURE SEWER RETICULATION
DN110	DN110 PE PRESSURE SEWER RETICULATION
DN90	DN90 PE PRESSURE SEWER RETICULATION
DN50	DN50 PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
SW	STORMWATER PIPEWORK
DR	DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS
- SINGLE SERVICES
  - 12 x SHORT SIDE
  - 18 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
  - 24 x SHORT SIDE
  - 0 x LONG SIDE

**PRESSURE SEWER PIPE DATA**

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-107-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM. ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-1016B-FS.

**WORK AS CONSTRUCTED**

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COMPANY: ADW Johnson Pty Ltd  
 NAME: BASS RANDALL  
 SIGNED: [Signature] DATE: 29/05/2026  
 REGISTERED SURVEYOR

COMPANY: [Blank]  
 NAME: [Blank]  
 SIGNED: [Blank] DATE: [Blank]  
 CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM: 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg  
 Plotted By: iainb Plot Date: 29/05/26 - 12:39 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-308.dwg

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

**altogether.**

CLIENT: [Blank]

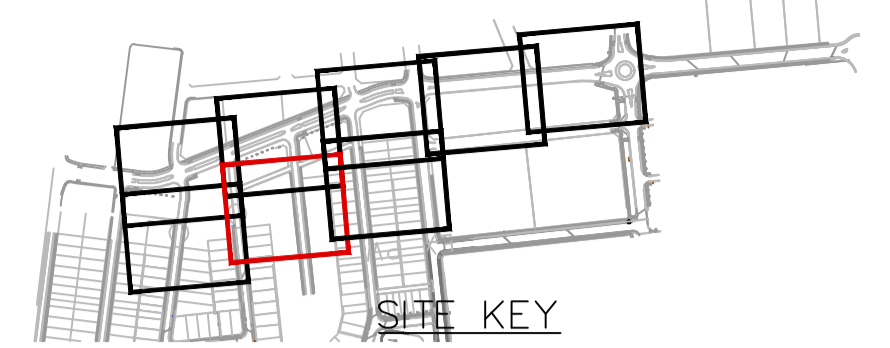
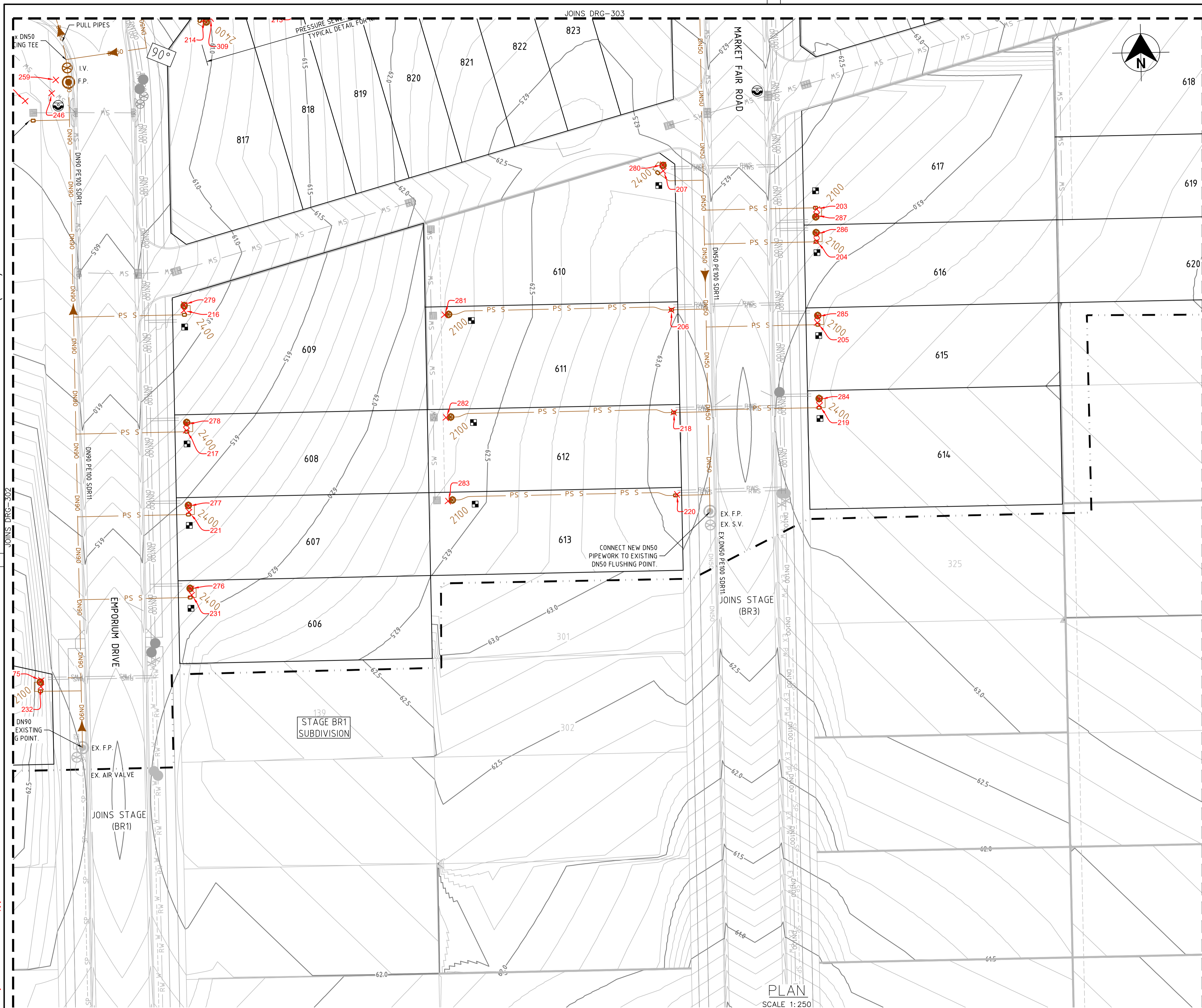
PROPERTY DESCRIPTION:  
 PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLÉE

SURVEYED: Daly,Smith DATUM: GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT: POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PLAN TITLE: PRESSURE SEWER DETAIL PLAN 3
PROJECT No. 240037(BR6) - WAC	DISCIPLINE: WAC
NUMBER: 303	REV.: 5

240037(BR6)-WAC-308

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



- LEGEND**
- DN125 PE PRESSURE SEWER RETICULATION
  - DN110 PE PRESSURE SEWER RETICULATION
  - DN90 PE PRESSURE SEWER RETICULATION
  - DN50 PE PRESSURE SEWER RETICULATION
  - PS S PE PRESSURE SEWER PROPERTY SERVICE
  - PVC-M POTABLE WATER RETICULATION
  - PWS POTABLE WATER PROPERTY SERVICE
  - PVC-M RECYCLED WATER RETICULATION
  - RWS RECYCLED WATER PROPERTY SERVICE
  - SW STORMWATER PIPEWORK
  - DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

- PS PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS
- SINGLE SERVICES
    - 12 x SHORT SIDE
    - 18 x LONG SIDE
- BR6 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
  - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-10168-FS.

**WORK AS CONSTRUCTED**

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COMPANY ADW Johnson Pty Ltd COMPANY  
 NAME BASS RANDALL NAME  
 SIGNED *Bass Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

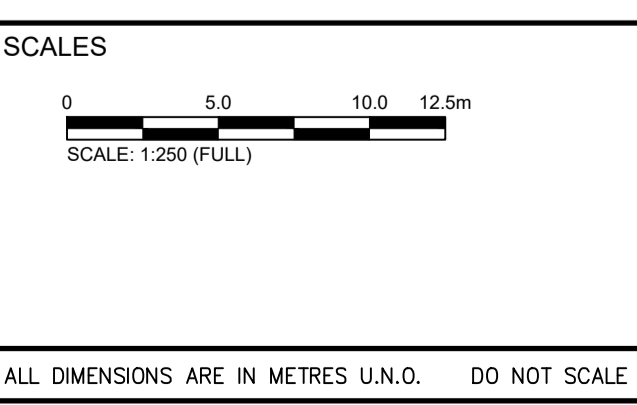
**ORIGIN OF W.A.C. LEVELS**

PM 20029 Co-Ord System: MGA Ground  
 E: 345612.942 MGA Datum: GDA94  
 N: 6382878.917 MGA Zone: 56  
 RL: 77.675m



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.



**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLÉE

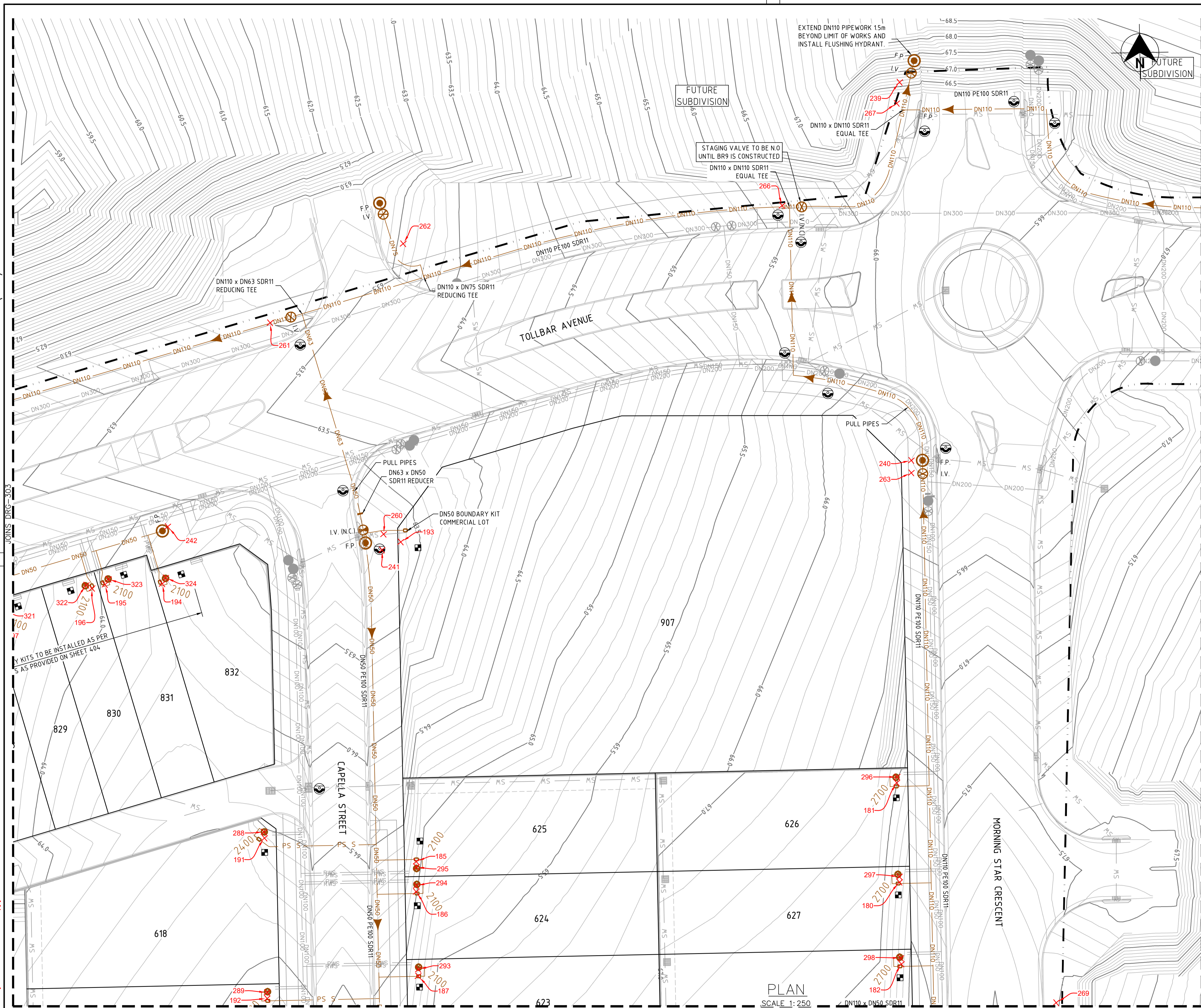
SURVEYED Daly,Smith DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PRESSURE SEWER DETAIL PLAN 4	240037(BR6)	WAC	304	5

240037(BR6)-WAC-308

JOINS DRG-303

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



**LEGEND**

DN125	DN125 PE PRESSURE SEWER RETICULATION
DN110	DN110 PE PRESSURE SEWER RETICULATION
DN90	DN90 PE PRESSURE SEWER RETICULATION
DN75	DN75 PE PRESSURE SEWER RETICULATION
DN50	DN50 PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
SW	STORMWATER PIPEWORK
DR	DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS
- SINGLE SERVICES
    - 12 x SHORT SIDE
    - 18 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
    - 24 x SHORT SIDE
    - 0 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM. ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION. PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-1016B-FS.

**WORK AS CONSTRUCTED**

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COMPANY ADW Johnson Pty Ltd COMPANY  
 NAME BASS RANDALL NAME  
 SIGNED *Bass Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029 Co-Ord System: MGA Ground  
 E: 345612.942 MGA Datum: GDA94  
 N: 6382878.917 MGA Zone: 56  
 RL: 77.675m



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT
C	15.05.2025	ISSUE FOR APPROVAL
D	26.06.2025	AMENDED ISSUE
0	25.07.2025	CONSTRUCTION ISSUE
1	10.09.2025	AMENDED CONSTRUCTION ISSUE
2	25.09.2025	AMENDED CONSTRUCTION ISSUE
3	03.10.2025	AMENDED CONSTRUCTION ISSUE
4	28.11.2025	AMENDED CONSTRUCTION ISSUE
5	29.05.2026	WORK AS CONSTRUCTED

DRAWN	CHECK	DESIGN	VERIFY	SCALES
T.A.	C.L.	C.H.	C.B.	0 5.0 10.0 12.5m
I.B.	C.H.	G.S.	C.B.	SCALE: 1:250 (FULL)
J.N.	C.H.	G.S.	C.B.	
I.B.	C.C.H.	G.S.	C.B.	
I.B.	C.C.H.	G.S.	C.B.	
I.B.	C.C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	

**adw Johnson**

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 Fax: (02) 4978 5199  
 email: hunter@adwjohanson.com.au  
 www.adwjohanson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

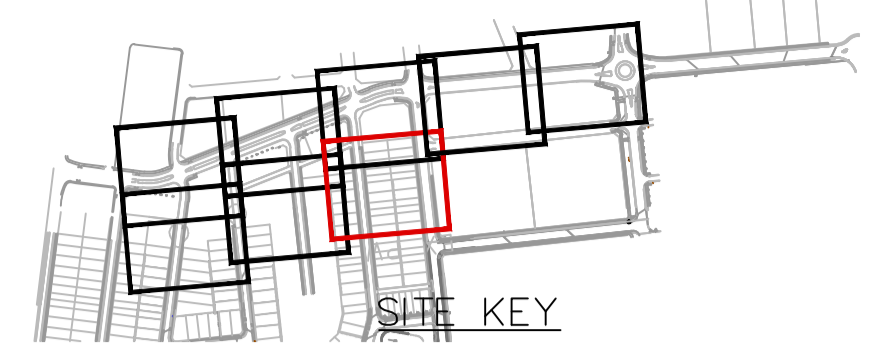
PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

SURVEYED Daly,Smith DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT			
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE			
PRESSURE SEWER DETAIL PLAN 5			
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	305	5

240037(BR6)-WAC-308

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



**LEGEND**

DN125	DN125 PE PRESSURE SEWER RETICULATION
DN110	DN110 PE PRESSURE SEWER RETICULATION
DN90	DN90 PE PRESSURE SEWER RETICULATION
DN50	DN50 PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
PVC-M	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
SW	STORMWATER PIPEWORK
DR	DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
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- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

- PS PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS
- SINGLE SERVICES
  - 12 x SHORT SIDE
  - 18 x LONG SIDE
- BR8 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
  - 24 x SHORT SIDE
  - 0 x LONG SIDE

**PRESSURE SEWER PIPE DATA**

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
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DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
  - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-1016B-FS.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADW Johnson Pty Ltd COMPANY

NAME BASS RANDALL NAME

SIGNED *Bass Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029  
E: 345612.942  
N: 6382878.917  
RL: 77.675m

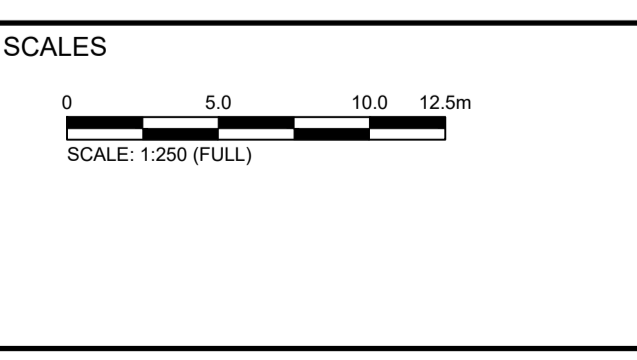
Co-Ord System: MGA Ground  
MGA Datum: GDA94  
MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

DRAWN	CHECK	DESIGN	VERIFY
T.A.	C.L.	C.H.	C.B.
I.B.	C.H.	G.S.	C.B.
J.N.	C.H.	G.S.	C.B.
I.B.	C.H.	G.S.	C.B.
I.B.	C.H.	G.S.	C.B.
I.B.	C.H.	G.S.	C.B.
I.B.	C.H.	G.S.	C.B.
I.B.	C.H.	G.S.	C.B.



**adw Johnson**

Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohanson.com.au  
www.adwjohanson.com.au  
ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLEE

SURVEYED Daly,Smith

DATUM GDA94 M.G.A. ZONE 56 A.H.D.

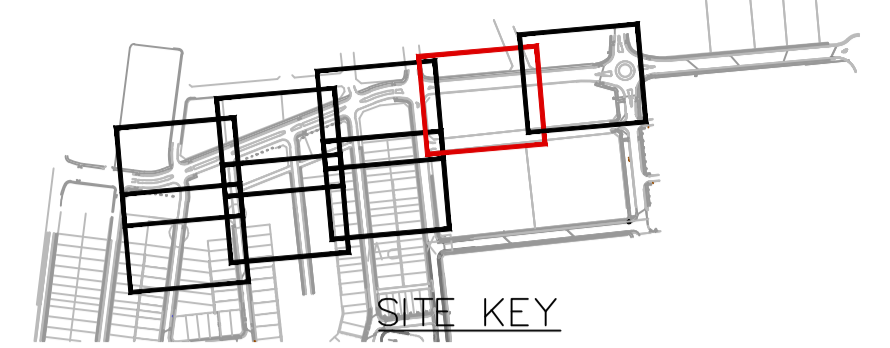
PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PRESSURE SEWER DETAIL PLAN 6	240037(BR6)	WAC	306	5

240037(BR6)-WAC-308

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



PLAN  
SCALE 1: 250



**LEGEND**

DN125	DN125 PE PRESSURE SEWER RETICULATION
DN110	DN110 PE PRESSURE SEWER RETICULATION
DN90	DN90 PE PRESSURE SEWER RETICULATION
DN50	DN50 PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
SW	STORMWATER PIPEWORK
SW	DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

- PS PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS
- SINGLE SERVICES
  - 12 x SHORT SIDE
  - 18 x LONG SIDE
- BR6 POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR6
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
  - 24 x SHORT SIDE
  - 0 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
  - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:
    - DURATION OF REQUIRED SHUTDOWN
    - ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-10168-FS.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	BASS RANDALL	NAME	
SIGNED		SIGNED	
	REGISTERED SURVEYOR		CONSTRUCTION MANAGER
DATE	29/05/2026	DATE	

**ORIGIN OF W.A.C. LEVELS**

PM	20029	Co-Ord System:	MGA Ground
E	345612.942		MGA Datum: GDA94
N	6382878.917		MGA Zone: 56
RL	77.675m		



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT
C	15.05.2025	ISSUE FOR APPROVAL
D	26.06.2025	AMENDED ISSUE
0	25.07.2025	CONSTRUCTION ISSUE
1	10.09.2025	AMENDED CONSTRUCTION ISSUE
2	25.09.2025	AMENDED CONSTRUCTION ISSUE
3	03.10.2025	AMENDED CONSTRUCTION ISSUE
4	28.11.2025	AMENDED CONSTRUCTION ISSUE
5	29.05.2026	WORK AS CONSTRUCTED

DRAWN	CHECK	DESIGN	VERIFY	SCALES
T.A.	C.L.	C.H.	C.B.	0 5.0 10.0 12.5m
I.B.	C.H.	G.S.	C.B.	SCALE: 1:250 (FULL)
J.N.	C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	
I.B.	C.H.	G.S.	C.B.	

**adw Johnson**

Hunter Office  
Unit 7/335 Hillsborough Rd  
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Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398

CLIENT

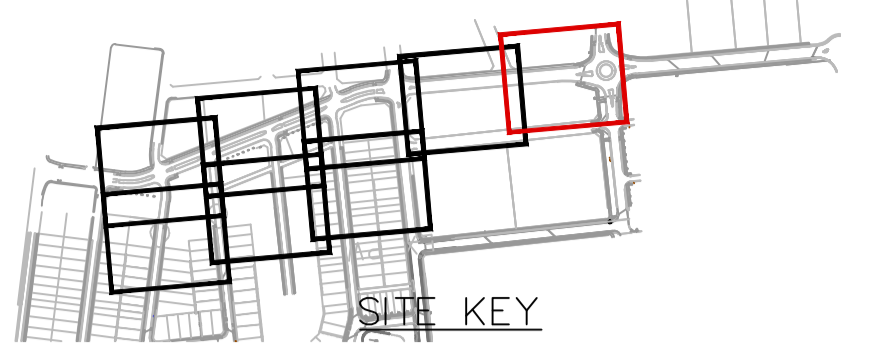
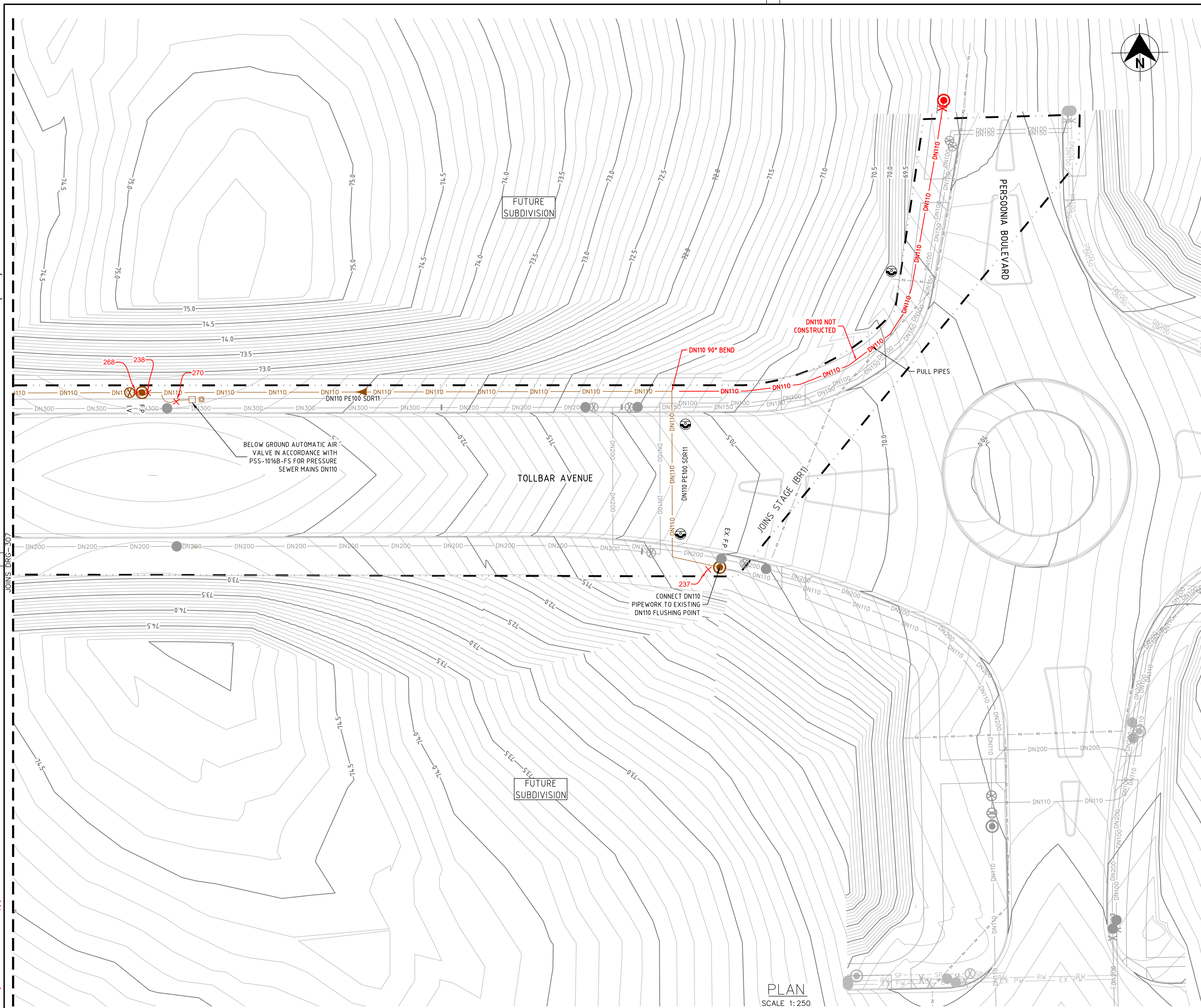
PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
BRIDGING RESIDENTIAL - STAGE BR6  
HUNTLÉE

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE PRESSURE SEWER DETAIL PLAN 7			
SURVEYED Daly,Smith	DATUM GDA94 M.G.A. ZONE 56	A.H.D.	PROJECT No. 240037(BR6)
			DISCIPLINE WAC
			NUMBER 307
			REV. 5

240037(BR6)-WAC-308

100mm AT FULL SIZE  
This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.



**LEGEND**

DN125	DN125 PE PRESSURE SEWER RETICULATION
DN110	DN110 PE PRESSURE SEWER RETICULATION
DN90	DN90 PE PRESSURE SEWER RETICULATION
DN50	DN50 PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
SW	STORMWATER PIPEWORK
SW	DRAINAGE EASEMENT

- I.V. ISOLATION VALVE
- I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (& TEMP. FLOW DIRECTION - RED)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**  
TOTAL 54 CONNECTIONS  
• SINGLE SERVICES  
-12 x SHORT SIDE  
-18 x LONG SIDE
- POTABLE WATER PROPERTY SERVICE CONNECTIONS**  
LOT SERVICE VALVES AND BOUNDARY KITS TO BE INSTALLED AT STAGE BR8  
• SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V  
-24 x SHORT SIDE  
-0 x LONG SIDE

**PRESSURE SEWER PIPE DATA**

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN125	PE PN16	25
DN110	PE PN16	761
DN90	PE PN16	173
DN75	PE PN16	12
DN63	PE PN16	50
DN50	PE PN16	495
DN40 (LATERAL)	PE PN16	402

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 103.
  - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 203.
  - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
  - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
  - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
  - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
  - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).**
  - CONTRACTOR TO CONFIRM SHUTDOWN REQUIREMENTS AND SHUTDOWN DATE WITH ALTOGETHER WORKS SUPERVISOR (NED CAMPBELL) AT A MINIMUM OF 2 WEEKS PRIOR TO PROPOSED REQUESTED SHUTDOWN DATE. PROVIDE SHUTDOWN PLAN DETAIL:  
- DURATION OF REQUIRED SHUTDOWN  
- ISOLATION VALVES TO BE CLOSED
  - WHEN PRESSURE SEWER TANKS AND BOUNDARY KITS ARE LOCATED AT SPLAY CORNERS OF LOTS, THE INSTALLER IS TO CONFIRM ORIENTATION OF TANK AND BOUNDARY KIT WITH SUPERINTENDENT PRIOR TO INSTALLATION.
  - PROVIDE BELOW GROUND AIR VALVE TO STANDARD DRAWING PSS-1016B-FS.

**WORK AS CONSTRUCTED**

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COMPANY ADW Johnson Pty Ltd COMPANY  
 NAME BASS RANDALL NAME  
 SIGNED *Bass Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM 20029 Co-Ord System: MGA Ground  
 E: 345612.942 MGA Datum: GDA94  
 N: 6382878.917 MGA Zone: 56  
 RL: 77.675m

**WORK AS CONSTRUCTED**

PLAN  
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

DESIGN FILE N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg  
 Plotted By: iainb Plot Date: 29/05/26 - 12:41 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-308.dwg

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

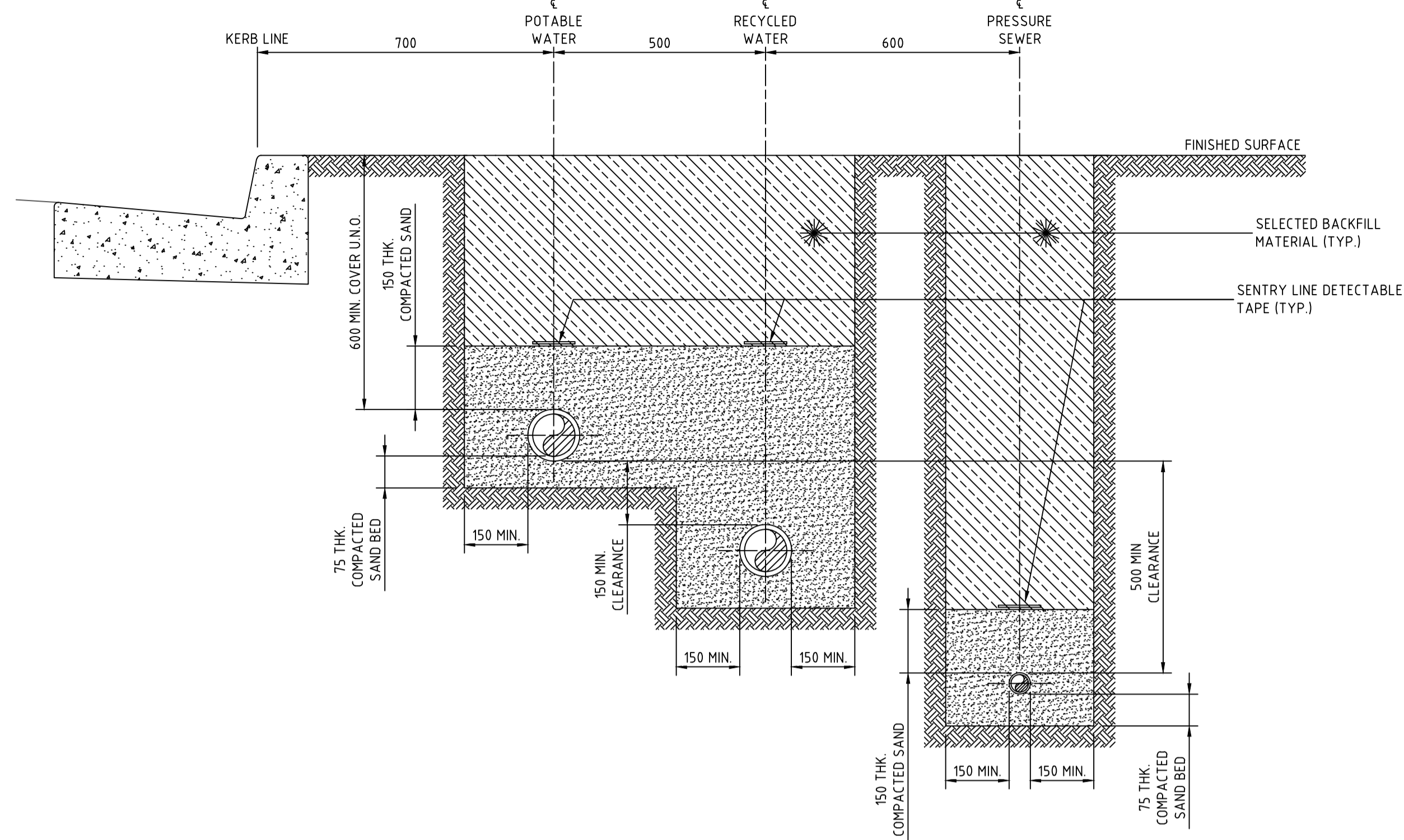
PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

SURVEYED Daly,Smith DATUM GDA94 M.G.A. ZONE 56 A.H.D.

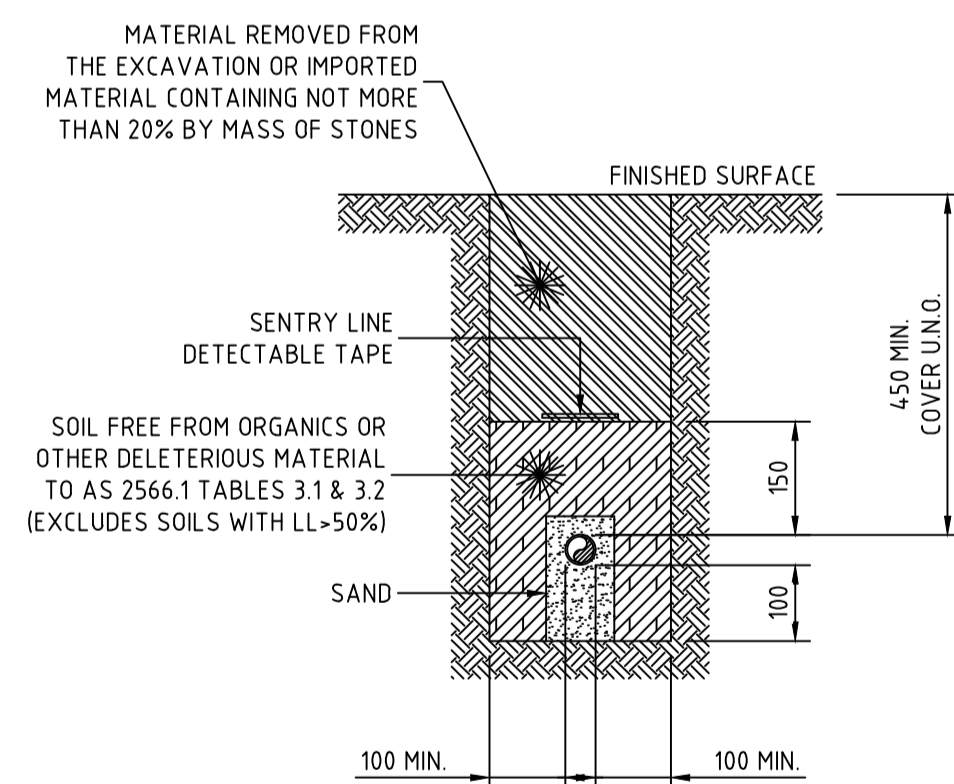
PROJECT  
 POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

PLAN TITLE  
 PRESSURE SEWER DETAIL PLAN 8

PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(BR6)	WAC	308	5



TYPICAL STREET SECTION DETAIL  
PRESSURE SEWER & WATER MAINS  
ADJOINING  
SCALE 1:10



PRIVATE PROPERTY PRESSURE MAIN  
TYPICAL DETAIL  
SCALE 1:10

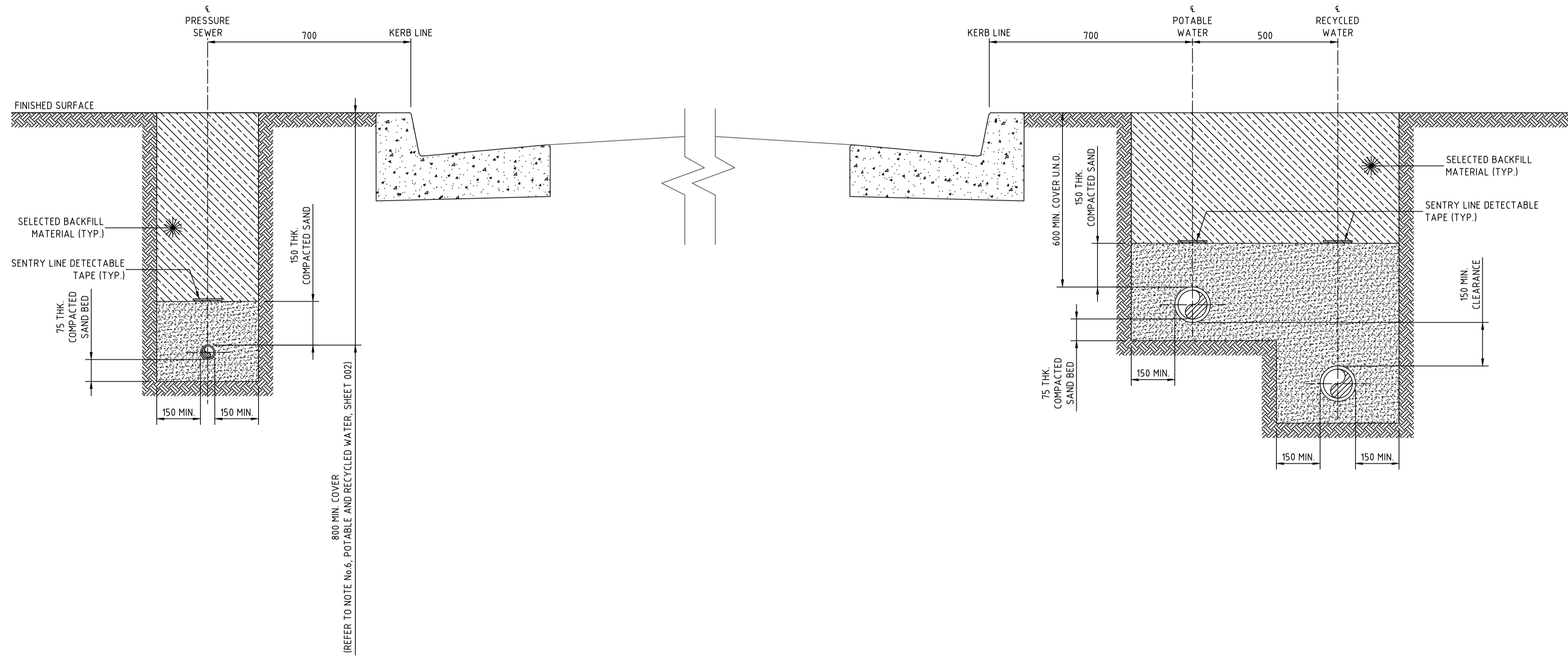
**WORK AS CONSTRUCTED**  
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COMPANY ADJohnson Pty Ltd  
NAME BASS RANDALL  
SIGNED *Bass Randall* DATE 29/05/2026  
REGISTERED SURVEYOR

**ORIGIN OF W.A.C. LEVELS**  
PM 20029  
E: 345612.942  
N: 6382878.917  
RL: 77.675m  
Co-Ord System: MGA Ground  
MGA Datum: GDA94  
MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.		<b>Hunter Office</b> Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL CROSS-SECTION AND PIPEWORK TRENCHING DETAILS SHEET 1	Daly,Smith	GDA94 M.G.A. ZONE 56 A.H.D.	240037(BR6) - WAC	401	5	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.											
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.											
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.											



TYPICAL STREET SECTION DETAIL  
 PRESSURE SEWER & WATER MAINS  
 SEPARATED  
 SCALE 1:10

**WORK AS CONSTRUCTED**  
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 COMPANY: ADWJohnson Pty Ltd  
 NAME: BASS RANDALL  
 SIGNED: [Signature] DATE: 29/05/2026  
 REGISTERED SURVEYOR  
 NAME: [Blank]  
 DATE: [Blank]  
 CONSTRUCTION MANAGER

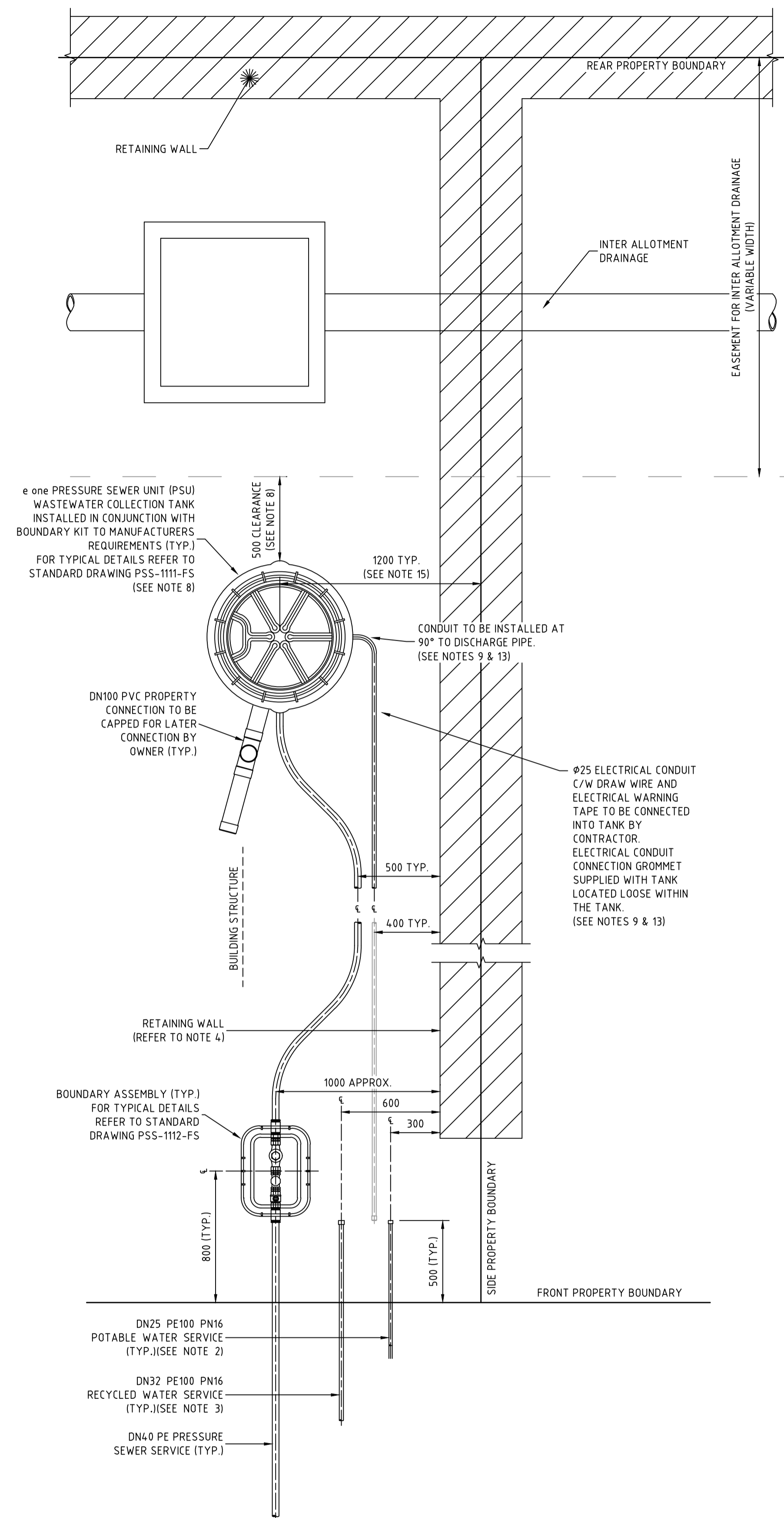
**ORIGIN OF W.A.C. LEVELS**  
 PM: 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m  
 Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56



**WORK AS CONSTRUCTED**

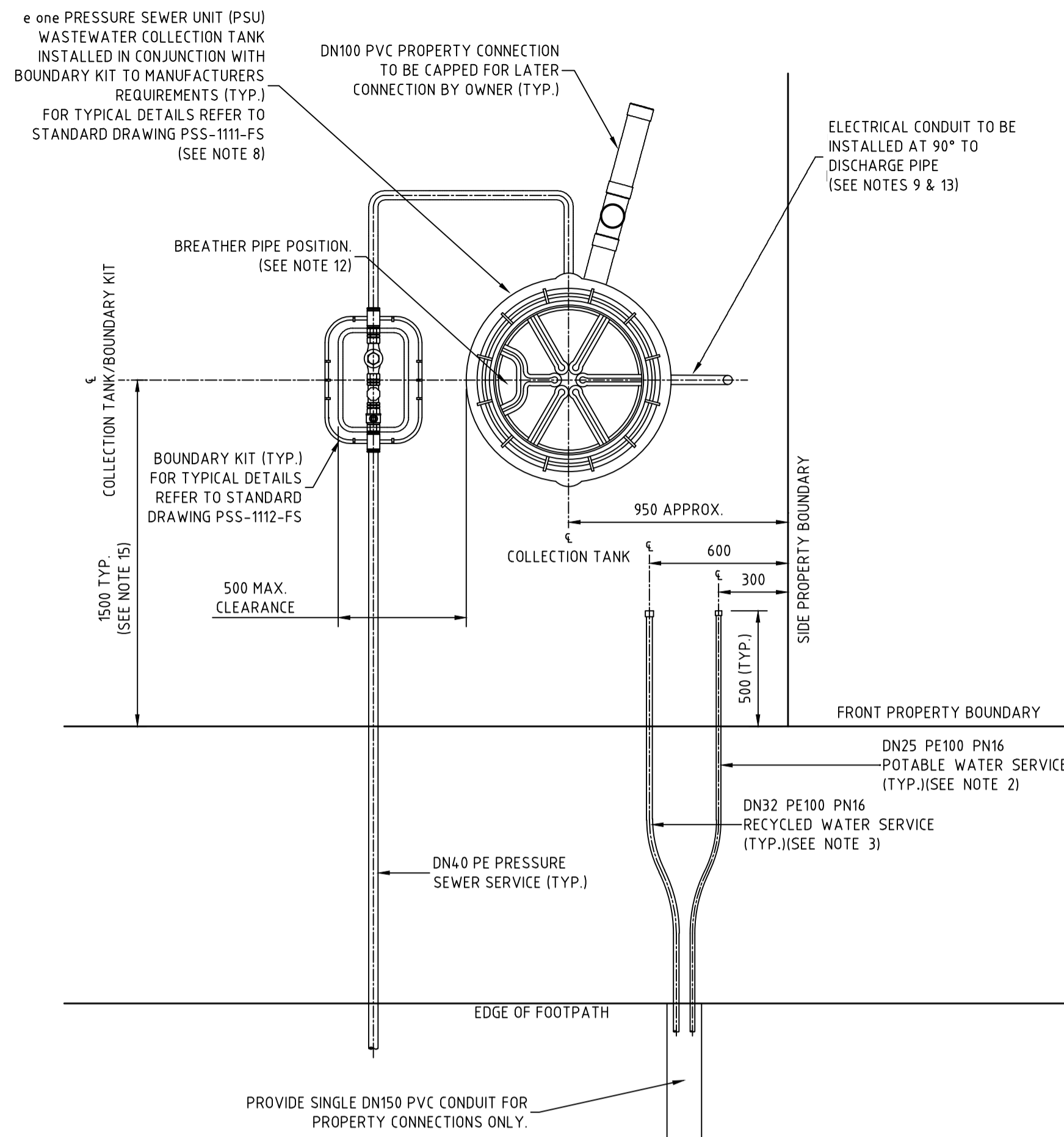
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.		<b>Hunter Office</b> Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL CROSS-SECTION AND PIPEWORK TRENCHING DETAILS SHEET 2	Daly,Smith	GDA94 M.G.A. ZONE 56 A.H.D.	240037(BR6) - WAC	402	5	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.											
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.											
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.											
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.											

100mm AT FULL SIZE  
 This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



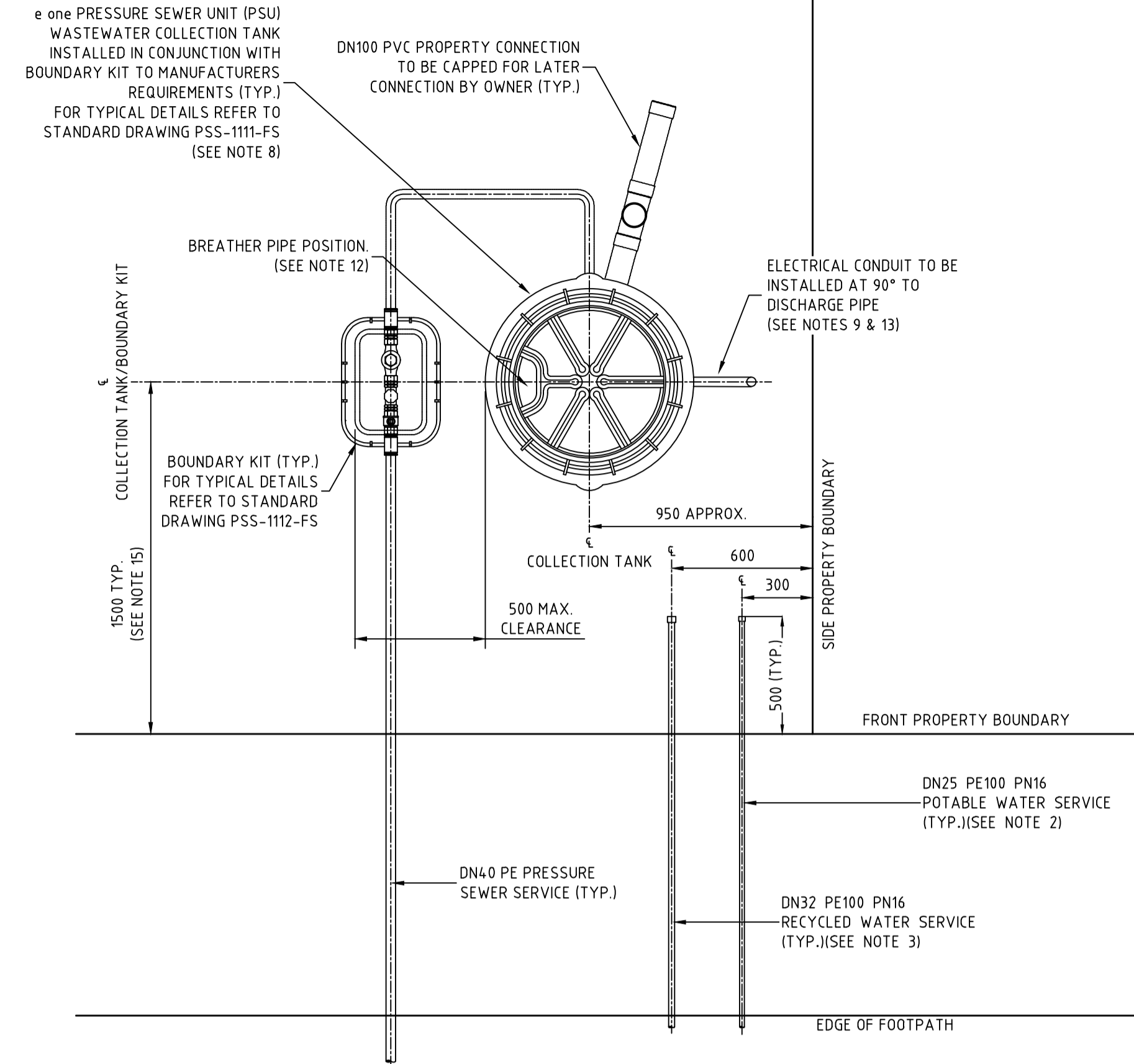
TYPICAL PROPERTY CONNECTION DETAIL  
(PRESSURE SEWER UNIT AT REAR)

SCALE 1:20



TYPICAL PROPERTY CONNECTION DETAIL  
THROUGH COMMON CONDUIT

SCALE 1:20



TYPICAL PROPERTY CONNECTION DETAIL

SCALE 1:20

NOTES:

- PROPERTY SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH WSA STANDARD DRAWINGS FOR DUAL WATER SUPPLY SYSTEMS (SYDNEY WATER VERSION) (SUPPLEMENT TO WSA 03-2011).
- DN20 PE100 PN16 POTABLE WATER SERVICE TO EXTEND 500mm BEYOND PROPERTY BOUNDARY AND BE CAPPED FOR LATER CONNECTION BY PROPERTY OWNER.
- DN25 PE100 PN16 RECYCLED WATER SERVICE TO EXTEND 500mm BEYOND PROPERTY BOUNDARY AND BE CAPPED FOR LATER CONNECTION BY PROPERTY OWNER.
- FOR PROPERTY CONNECTIONS WHERE A RETAINING WALL IS NOT PRESENT, SERVICES ARE TO BE OFFSET FROM THE PROPERTY BOUNDARY.
- WHERE SERVICE CONNECTIONS ARE LOCATED ADJACENT TO TELSTRA PITS/ELECTRICAL PILLARS, A MINIMUM CLEARANCE OF 200mm BETWEEN PITS AND SERVICE PIPEWORK IS TO BE MAINTAINED.
- MINIMUM BENDING RADIUS FOR PE PIPEWORK IS TO BE 20 x PIPE DIAMETER.
- ALL POLYETHYLENE FITTINGS SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ROTATE BENDS AS NECESSARY.
- PRESSURE SEWER UNIT (PSU) IS TO HAVE 500mm CLEARANCE FROM INTER ALLOTMENT DRAINAGE EASEMENT (IF PRESENT), REAR PROPERTY BOUNDARY RETAINING WALL (IF PRESENT) OR REAR PROPERTY BOUNDARY. PRESSURE SEWER UNIT (PSU) IS TO HAVE 2150mm CLEARANCE FROM BUILDING STRUCTURES.
- Ø25 ELECTRICAL CONDUIT IS TO EXTEND FROM CONNECTION WITH PRESSURE SEWER UNIT (PSU) TO NOM. 500mm INSIDE FRONT PROPERTY BOUNDARY AND BE CAPPED. ELECTRICAL CONDUIT IS TO BE HEAVY DUTY ORANGE. ALL CONDUIT BENDS ARE TO BE LARGE RADIUS SWEEP BENDS.
- FOR MORE INFORMATION REFER TO FLOW SYSTEMS STANDARD DRAWING FSI-1000-FS.
- FOR ALTERNATE TANK AND BOUNDARY CONFIGURATIONS, AND DETAILS FOR TANKS INSTALLED ON PROPERTIES WITH BATTERS AND RETAINING WALLS, REFER TO FLOW SYSTEMS STANDARD DRAWINGS FSI-SK03A-FS AND FSI-SK03B-FS.
- POSITION TANK LID SUCH THAT BREATHER PIPE LOCATION IS ON THE DOWNSLOPE SIDE OF THE BLOCK WHERE POSSIBLE.
- CONTRACTOR TO INSTALL ELECTRICAL CONDUIT CONNECTION (CONDUIT AT 90° FROM DISCHARGE PIPE) IN ACCORDANCE WITH AS3000 AT MIN 500mm COVER. ELECTRICAL GROMMET SUPPLIED WITH TANK AND LOCATED LOOSE WITHIN TANK. Ø25 CONDUIT TO BE PROVIDED WITH LONG RADIUS SWEEP BEND INTO THE VERTICAL POSITION AND LEFT CAPPED ABOVE GROUND LEVEL FOR FUTURE ELECTRICAL CONNECTION BY ELECTRICIAN ONCE DWELLING IS CONSTRUCTED.
- CONTRACTOR TO INSTALL DN150 CONDUIT FOR FUTURE POTABLE AND RECYCLED WATER SINGLE SERVICE PROPERTY CONNECTIONS, WHERE SHOWN.
- THE WATER AUTHORITY MAY GRANT DISPENSATION FOR ALTERNATE TANK OFFSETS SUBJECT TO FORMAL REQUEST AND APPROVAL.

**WORK AS CONSTRUCTED**

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY: ADWJohnson Pty Ltd  
 NAME: BASS RANDALL  
 SIGNED: [Signature] DATE: 29/05/2026  
 REGISTERED SURVEYOR

COMPANY: [Blank]  
 NAME: [Blank]  
 DATE: [Blank]  
 CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**

PM: 20029  
 E: 345612.942  
 N: 6382878.917  
 RL: 77.675m

Co-Ord System: MGA Ground  
 MGA Datum: GDA94  
 MGA Zone: 56

**BEFORE YOU DIG**  
 www.byda.com.au

**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	<b>WORK AS CONSTRUCTED</b>	I.B.	C.H.	G.S.	C.B.	

**adw Johnson**

Hunter Office  
 Unit 7/335 Hillsborough Rd  
 Warners Bay N.S.W. 2282  
 Phone: (02) 4978 5100  
 Fax: (02) 4978 5199  
 email: hunter@adwjohnson.com.au  
 www.adwjohnson.com.au  
 ABN 62 129 445 398

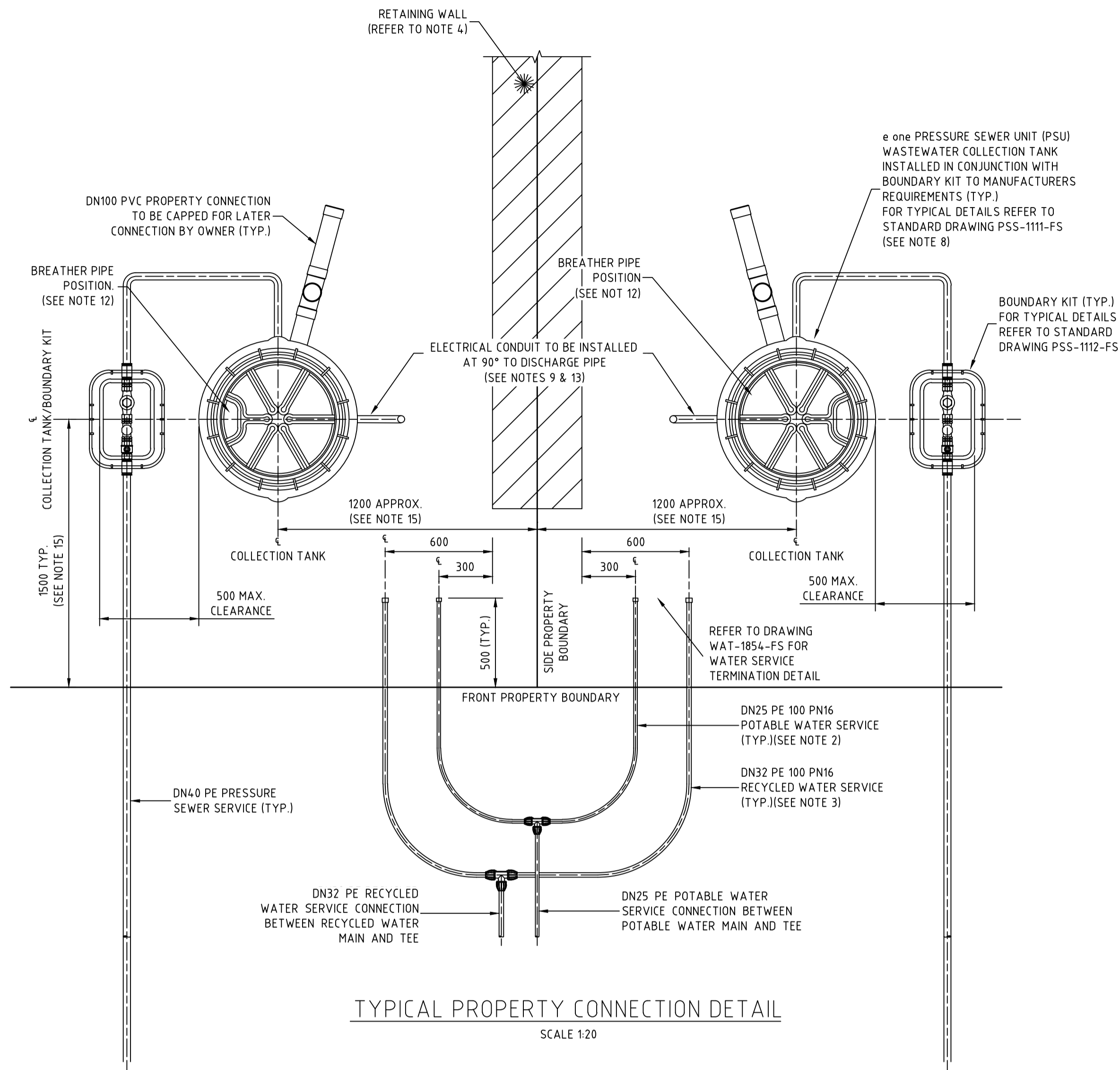
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**altogether.**

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

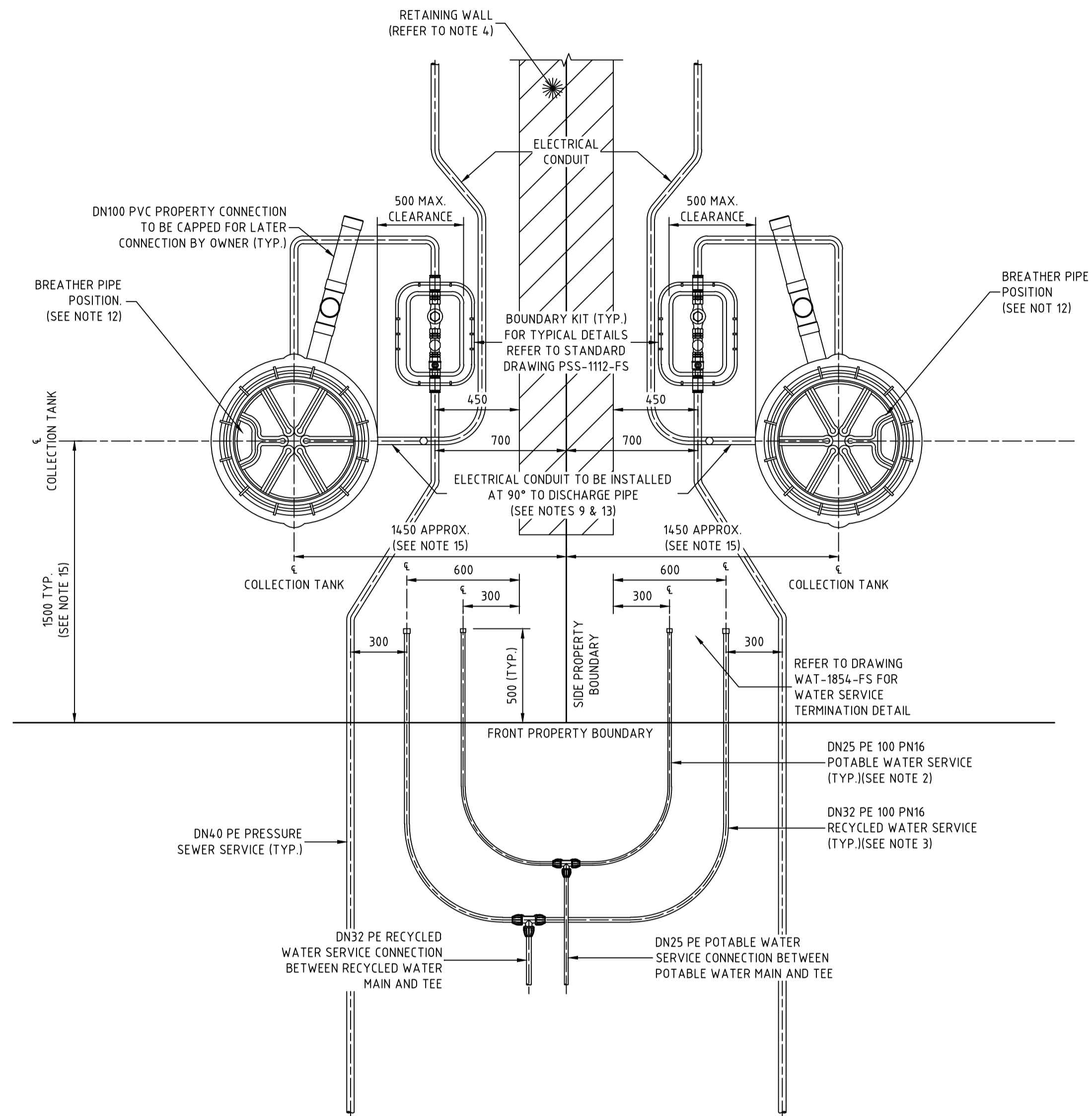
PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PROPERTY CONNECTION DETAILS SHEET 1	240037(BR6)	WAC	403	5



TYPICAL PROPERTY CONNECTION DETAIL  
SCALE 1:20

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TYPICAL NARROW LOTS AND TOWNHOUSE  
PROPERTY CONNECTION DETAIL  
SCALE 1:20

**WORK AS CONSTRUCTED**  
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COMPANY: ADWJohnson Pty Ltd  
NAME: BASS RANDALL  
SIGNED: [Signature] DATE: 29/05/2026  
REGISTERED SURVEYOR

**ORIGIN OF W.A.C. LEVELS**  
PM: 20029  
E: 345612.942  
N: 6382878.917  
RL: 77.675m  
Co-Ord System: MGA Ground  
MGA Datum: GDA94  
MGA Zone: 56



**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT		
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.					PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.		PLAN TITLE				
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.		TYPICAL PROPERTY CONNECTION DETAILS				
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		SHEET 2				
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		PROJECT No.				
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	240037(BR6) -					
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	DISCIPLINE					
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	WAC					
DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg								ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		NUMBER		REV.
Plotted By: iainb Plot Date: 29/05/26 - 12:42 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-405.dwg								404		5		



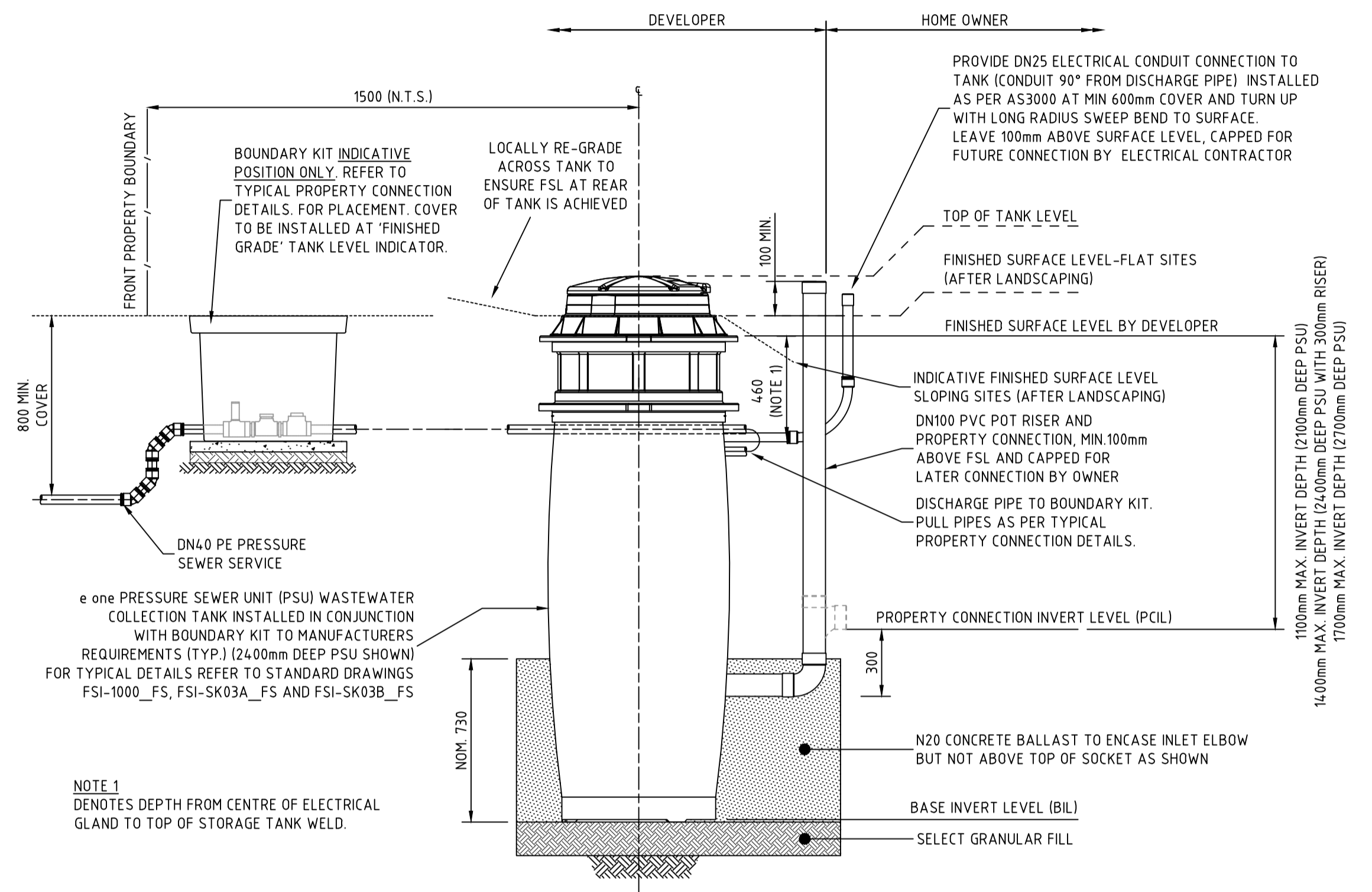
Hunter Office  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398



DATUM: GDA94 M.G.A. ZONE 56 A.H.D.  
SURVEYED: Daly,Smith

PROJECT No. 240037(BR6) -  
DISCIPLINE WAC  
NUMBER 404  
REV. 5

WASTEWATER COLLECTION TANK DETAILS									TOP OF COLLECTION TANK LID	CALCULATED WAC SANITARY DRAINAGE INVERT LEVEL	WAC V'S DESIGN INVERT LEVEL COMPARISON
LOT NUMBER	TOP OF COLLECTION TANK	TANK FSL	BASE IL	CONNECTION IL	TANK TYPE	TANK LOCATION	EASTING	NORTHING			
601	63.43	63.15	61.30	62.05	2400	FRONT BATTER	344142.20	6384077.55	63.38	61.70	-0.35
602	63.93	63.65	61.80	62.55	2100	FRONT BATTER	344140.13	6384060.97	63.90	62.53	-0.02
603	63.60	63.32	61.47	62.22	2100	FRONT	344159.73	6384062.96	63.60	62.23	0.01
604	63.53	63.25	61.40	62.15	2400	FRONT	344159.98	6384064.96	63.52	61.85	-0.31
605	62.63	62.35	60.50	61.25	2100	FRONT BATTER	344216.60	6384071.30	62.62	61.24	-0.01
606	62.09	61.81	59.96	60.71	2400	FRONT BATTER	344234.46	6384084.78	62.05	60.37	-0.34
607	61.81	61.53	59.68	60.43	2400	FRONT	344233.33	6384095.22	61.76	60.08	-0.35
608	61.50	61.22	59.37	60.12	2400	FRONT	344232.20	6384105.65	61.49	59.82	-0.30
609	61.09	60.81	58.96	59.71	2400	FRONT	344230.61	6384120.37	61.10	59.43	-0.64
610	62.86	62.58	60.43	61.18	2400	FRONT	344289.47	6384163.36	62.90	61.23	0.05
611	62.53	62.25	60.40	61.15	2100	REAR	344264.07	6384122.18	62.41	61.03	-0.12
612	62.65	62.37	60.52	61.27	2100	REAR	344265.46	6384109.26	62.50	61.13	-0.14
613	62.70	62.42	60.57	61.32	2100	REAR	344266.58	6384098.82	62.98	61.60	0.28
614	63.43	63.15	61.30	62.05	2400	FRONT	344311.73	6384115.67	63.40	61.73	-0.32
615	63.35	63.07	61.22	61.97	2100	FRONT	344310.65	6384126.11	63.32	61.95	-0.03
616	63.13	62.85	61.00	61.75	2100	FRONT	344309.52	6384136.54	63.09	61.72	-0.03
617	63.08	62.80	60.95	61.70	2100	FRONT BATTER	344309.31	6384138.54	63.04	61.66	0.30
618	64.83	64.55	62.70	63.45	2400	FRONT BATTER	344366.85	6384173.71	64.80	63.12	-0.33
619	65.35	65.07	62.92	63.67	2700	FRONT	344369.04	6384153.56	65.32	63.35	-0.32
620	65.46	65.18	63.03	63.78	2700	FRONT	344370.17	6384163.12	65.41	63.44	-0.34
621	65.73	65.45	63.60	64.35	2100	FRONT	344389.88	6384139.44	65.70	64.32	-0.03
622	65.66	65.38	63.53	64.28	2100	FRONT	344388.96	6384167.89	65.65	64.27	-0.01
623	65.50	65.22	63.37	64.12	2100	FRONT	344387.83	6384158.33	65.47	64.09	-0.03
624	65.26	64.98	63.13	63.88	2100	FRONT	344386.70	6384168.76	65.24	63.86	-0.02
625	65.23	64.95	63.10	63.85	2100	FRONT	344386.48	6384170.76	65.20	63.82	-0.03
626	67.76	67.48	65.03	65.78	2700	FRONT BATTER	344446.02	6384187.58	67.68	65.71	-0.07
627	67.98	67.70	65.25	66.00	2700	FRONT BATTER	344447.34	6384175.34	67.91	65.93	-0.07
628	68.10	67.82	65.37	66.12	2700	FRONT BATTER	344448.48	6384164.90	68.02	66.04	-0.08
629	68.18	67.90	65.45	66.20	2700	FRONT BATTER	344449.61	6384154.46	68.11	66.13	-0.07
630	68.18	67.90	65.45	66.20	2700	FRONT BATTER	344450.52	6384146.01	68.11	66.13	-0.07
903	INDUSTRIAL LOT										
809	62.51	62.23	60.38	61.13	2100	FRONT	344085.94	6384118.34	62.49	61.11	-0.02
810	62.68	62.40	60.55	61.30	2100	FRONT	344097.94	6384119.03	62.51	61.13	-0.17
811	62.58	62.30	60.45	61.20	2100	FRONT	344108.84	6384117.67	62.41	61.03	-0.17
812	62.88	62.60	60.75	61.50	2100	FRONT	344111.83	6384117.30	62.35	60.97	-0.53
813	62.46	62.18	60.33	61.08	2100	FRONT	344122.73	6384115.94	62.27	60.89	-0.19
814	62.43	62.15	60.30	61.05	2100	FRONT	344125.72	6384115.57	62.24	60.87	-0.18
815	62.31	62.03	60.18	60.93	2100	FRONT	344136.62	6384114.21	62.11	60.74	-0.19
816	62.25	61.97	60.12	60.87	2100	FRONT	344139.62	6384113.84	62.06	60.68	-0.19
907	INDUSTRIAL LOT										
817	61.20	60.92	58.77	59.52	2400	FRONT	344230.27	6384156.40	61.18	59.50	-0.02
818	61.68	61.40	59.25	60.00	2400	FRONT	344239.12	6384162.31	61.68	60.01	0.01
819	61.80	61.52	59.67	60.42	2100	FRONT	344241.92	6384163.42	61.81	60.44	0.02
820	62.18	61.90	60.05	60.80	2100	FRONT	344252.14	6384167.46	62.17	60.80	0.00
821	62.23	61.95	60.10	60.85	2100	FRONT	344254.94	6384168.57	62.23	60.86	0.01
822	62.43	62.15	60.30	61.05	2100	FRONT	344265.16	6384172.60	62.42	61.04	-0.01
823	62.38	62.10	60.25	61.00	2100	FRONT	344267.96	6384173.71	62.41	61.03	0.03
824	62.53	62.25	60.40	61.15	2100	FRONT	344275.21	6384174.43	62.54	61.17	0.02
825	63.06	62.78	60.63	61.38	2400	FRONT	344309.83	6384188.12	63.00	61.33	-0.05
826	63.30	63.02	61.17	61.92	2100	FRONT	344315.50	6384192.51	63.29	61.91	-0.01
827	63.40	63.12	61.27	62.02	2100	FRONT	344318.31	6384193.62	63.37	61.99	-0.03
828	63.78	63.50	61.65	62.40	2100	FRONT	344328.52	6384197.66	63.75	62.38	-0.03
829	63.88	63.60	61.75	62.50	2100	FRONT	344331.32	6384198.77	63.87	62.49	-0.01
830	64.22	63.94	62.09	62.84	2100	FRONT	344341.54	6384202.81	64.19	62.82	-0.02
831	64.32	64.04	62.19	62.94	2100	FRONT	344344.34	6384203.92	64.26	62.89	-0.05
832	64.48	64.20	62.35	63.10	2100	FRONT	344351.59	6384204.63	64.44	63.07	-0.03
908	INDUSTRIAL LOT										



PRESSURE SEWER SERVICE CONNECTION  
TYPICAL SECTIONAL ELEVATION  
SCALE 1:20

WASTEWATER COLLECTION TANK COUNT

TANK SIZE	NUMBER OF
2100	35
2400	12
2700	7

NOTE:  
FINISHED SURFACE LEVELS EXTRACTED FROM DIGITAL DATA  
SUPPLIED BY GROUNDWELL ENGINEERS  
(22.09.2025) - BR6-C01.01 - REV 4

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REGISTERED SURVEYOR

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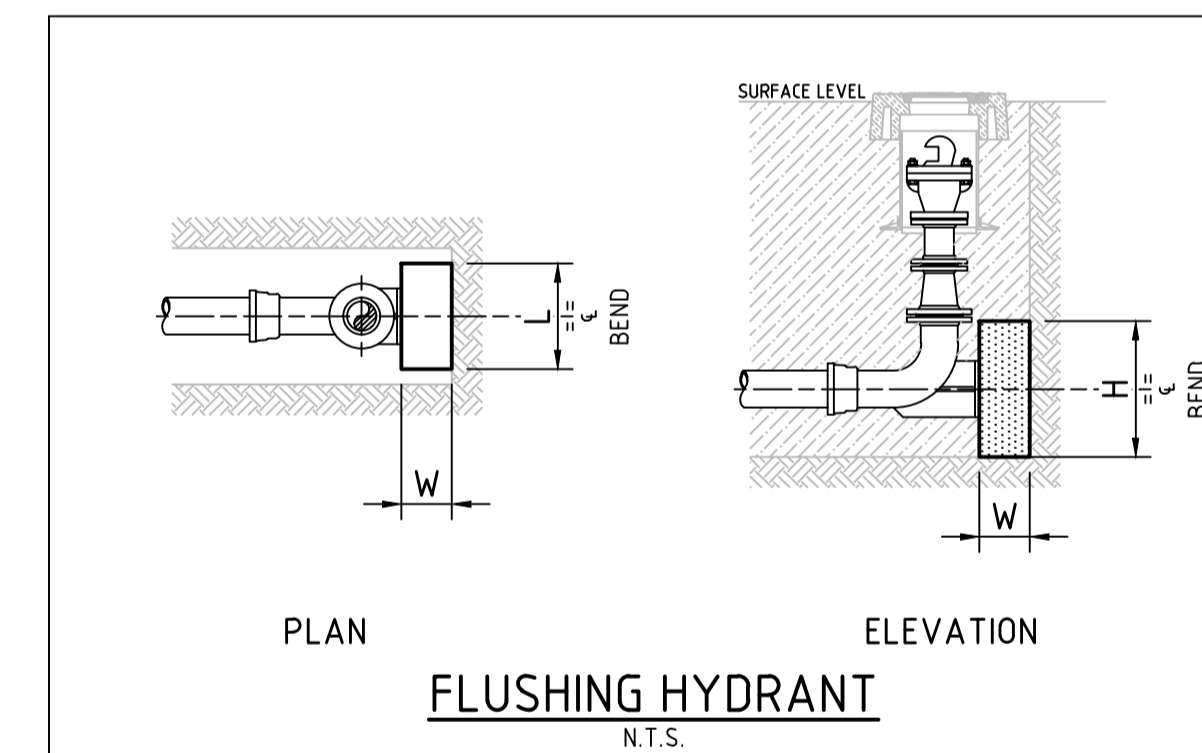
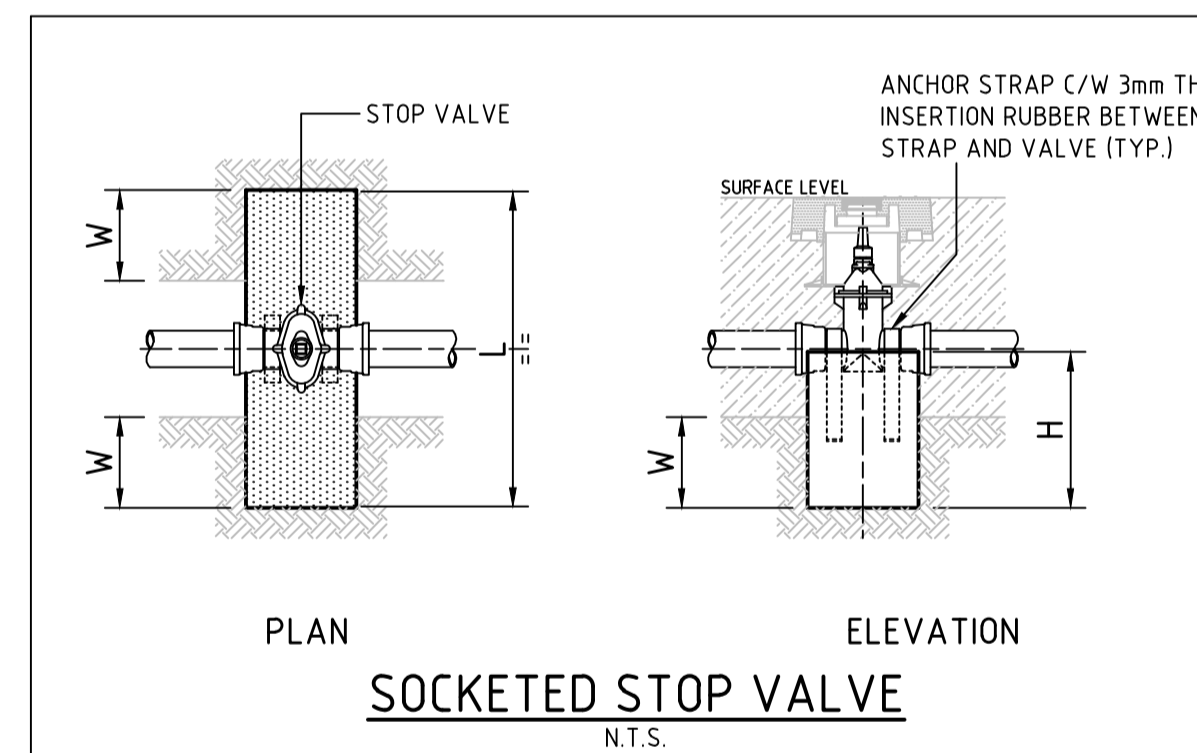
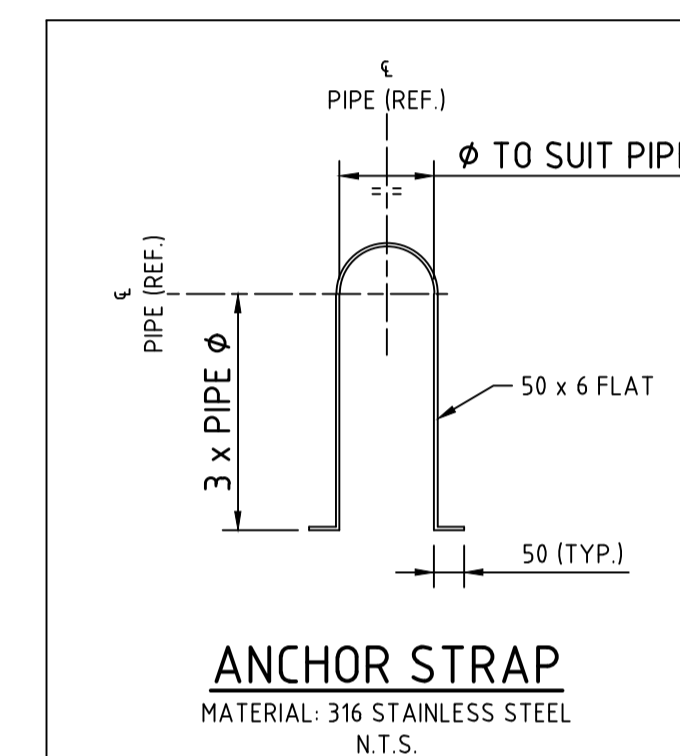
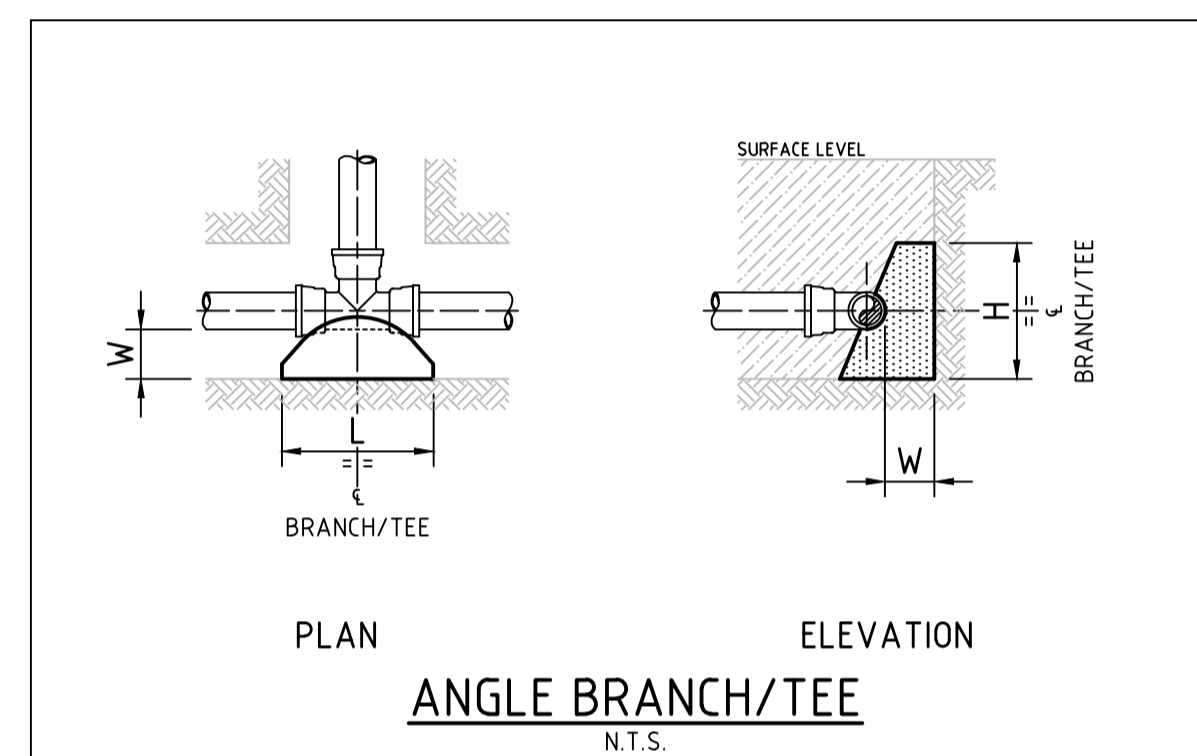
**WORK AS CONSTRUCTED**

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	0 0.5 1.0m	Hunter Office	PROPOSED SUBDIVISION	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION					
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	SCALE: 1:20 (FULL)	Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282	BRIDGING RESIDENTIAL - STAGE BR6						
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.		Phone: (02) 4978 5100	HUNTLEE						
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		Fax: (02) 4978 5199							
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		email: hunter@adwjohnson.com.au							
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		www.adwjohnson.com.au							
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.		ABN 62 129 445 398							
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.									
DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage BR6 Water and Sewer\240037(BR6)-WAT-design.dwg											ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE				
Plotted By: iainb Plot Date: 29/05/26 - 12:42 Cad File: N:\240072\DWG\Water & Sewer\Stage BR6-WAC\240037(BR6)-WAC-405.dwg															

**THRUST BLOCK NOTES:**

- "N" DENOTES NOMINAL THRUST AREA TO BE ACHIEVED BY POURING CONCRETE THE FULL LENGTH OF THE FITTING AND EXTENDING FROM THE FLOOR OF THE TRENCH TO NOM. 100mm ABOVE THE FITTING.
- CONCRETE THRUST BLOCKS ARE TO BE PROVIDED FOR ALL FITTINGS IN ACCORDANCE WITH TABLE.
- THRUST BLOCK DIMENSIONS ARE BASED ON THE MINIMUM ALLOWABLE HORIZONTAL BEARING PRESSURES OF THE SOIL AS SHOWN. IF GROUND CONDITIONS ENCOUNTERED INDICATE THAT THESE BEARING PRESSURES MAY NOT BE ACHIEVED, THRUST BLOCK DESIGN IS TO BE REVISED.
- THRUST BLOCKS ARE TO BE CONSTRUCTED SUCH THAT THEY TRANSFER THE THRUST ONTO UNDISTURBED GROUND. THRUST BLOCKS ARE NOT TO INTERFERE WITH OTHER SERVICES.
- FINISH THRUST BLOCKS APPROXIMATELY 100mm ABOVE THE TOP OF THE FITTING OR BEARING PAD AND EXTEND TO THE FLOOR OF THE TRENCH OR DEEPER IF NECESSARY TO ACHIEVE THE REQUIRED THRUST AREA. MAXIMUM ENCASEMENT TO BE 180°.
- CONCRETE FOR THE THRUST BLOCKS TO BE GRADE S25 USING CEMENT TYPE "SR" TO AS3972. CONCRETE TO BE MECHANICALLY VIBRATED.
- CONCRETE THRUST BLOCKS ARE TO BE CURED FOR A MINIMUM OF 7 DAYS BEFORE BEING SUBJECTED TO ANY THRUST LOAD.
- REFER TO WAT-1205-V FOR GENERAL FITTING THRUST BLOCK ARRANGEMENTS.
- REFER TO WAT-1207-V FOR GENERAL VALVE AND VERTICAL BEND THRUST BLOCK ARRANGEMENTS.
- THRUST BLOCK TO EXTEND 300mm MINIMUM INTO BASE AND SIDE WALLS OF TRENCH.
- PROVIDE 3mm THK. INSERTION RUBBER BETWEEN ANCHOR STRAP AND PIPE BARREL.

TYPE	FITTING	Soil AHBP (Kpa)	DESIGN STP (Kpa)	THRUST	TA (m²)	LENGTH (L)	HEIGHT (H)	WIDTH (W)
1	DN100 SOCKETED STOP VALVE	100	1500	18.00	0.18	1.05	0.44	0.30
2	DN100 FLUSHING HYDRANT	100	1500	18.00	0.18	0.45	0.40	0.30
3	DN150 x DN150 EQUAL TEE	100	1500	37.500	0.38	0.50	0.75	0.30
4	DN150 x DN100 REDUCING TEE	100	1500	18.000	0.18	0.40	0.45	0.30
5	DN150 x DN100 TAPER	100	1500	19.500	0.20	1.05	0.70	0.30
6	DN150 x 90° HORIZONTAL BEND	100	1500	52.50	0.53	0.60	0.88	0.30
7	DN150 x 45° HORIZONTAL BEND	100	1500	28.50	0.29	0.45	0.64	0.30
8	DN150 x 22.5° HORIZONTAL BEND	100	1500	15.00	0.15	0.34	0.45	0.30
9	DN150 x 11.25° HORIZONTAL BEND	100	1500	7.50	0.08	N	N	0.30
10	DN150 x 6° HORIZONTAL BEND	100	1500	7.50	0.08	N	N	0.30
11	DN150 SOCKETED STOP VALVE	100	1500	37.50	0.38	0.50	0.46	0.30
12	DN150 FLUSHING HYDRANT	100	1500	37.50	0.38	0.50	0.76	0.30
13	DN200 x DN200 EQUAL TEE	100	1500	64.50	0.65	0.85	0.76	0.30
14	DN200 x DN100 REDUCING TEE	100	1500	46.50	0.47	1.20	0.78	0.30
15	DN200 x DN150 REDUCING TEE	100	1500	37.50	0.38	0.65	0.69	0.30
16	DN200 x DN100 TAPER	100	1500	46.50	0.47	1.20	0.78	0.30
17	DN200 x DN150 TAPER	100	1500	27.00	0.27	1.20	0.78	0.30
18	DN200 SOCKETED STOP VALVE	100	1500	64.50	0.65	1.40	0.62	0.40
19	DN200 FLUSHING HYDRANT	100	1500	64.50	0.65	0.85	0.77	0.30
20	DN300 x DN150 REDUCING TEE	100	1500	37.50	0.38	0.50	0.75	0.40
21	DN300 x DN200 REDUCING TEE	100	1500	64.50	0.65	0.67	0.96	0.40
22	DN300 x DN200 TAPER	100	1500	76.50	0.77	1.35	0.90	0.30
23	DN300 x 45° HORIZONTAL BEND	100	1500	108.00	1.08	0.90	1.20	0.40
24	DN300 SOCKETED STOP VALVE	100	1500	141.00	1.41	1.65	0.72	0.45
25	DN300 FLUSHING HYDRANT	100	1500	141.00	1.41	1.00	1.41	0.40



**WORK AS CONSTRUCTED**  
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.  
 COMPANY ADW Johnson Pty Ltd COMPANY  
 NAME BASS RANDALL NAME  
 SIGNED *Bass Randall* DATE 29/05/2026 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

**ORIGIN OF W.A.C. LEVELS**  
 PM 20029 Co-Ord System: MGA Ground  
 E: 345612.942 MGA Datum: GDA94  
 N: 6382878.917 MGA Zone: 56  
 RL: 77.675m



**WORK AS CONSTRUCTED**

100mm AT FULL SIZE  
 This plan includes coloured information. If you have a black and white copy you do not have all of this information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
C	15.05.2025	ISSUE FOR APPROVAL	T.A.	C.L.	C.H.	C.B.	
D	26.06.2025	AMENDED ISSUE	I.B.	C.H.	G.S.	C.B.	
0	25.07.2025	CONSTRUCTION ISSUE	J.N.	C.H.	G.S.	C.B.	
1	10.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
2	25.09.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
3	03.10.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
4	28.11.2025	AMENDED CONSTRUCTION ISSUE	I.B.	C.H.	G.S.	C.B.	
5	29.05.2026	WORK AS CONSTRUCTED	I.B.	C.H.	G.S.	C.B.	

**adw Johnson**  
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 Fax: (02) 4978 5199  
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 www.adwjohnson.com.au  
 ABN 62 129 445 398

**altogether.**

CLIENT  
 PROPOSED SUBDIVISION  
 BRIDGING RESIDENTIAL - STAGE BR6  
 HUNTLEE

PROPERTY DESCRIPTION  
 SURVEYED Daly,Smith  
 DATUM GDA94 M.G.A. ZONE 56 A.H.D.  
 PROJECT  
 POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION  
 PLAN TITLE  
 THRUST BLOCK DETAILS  
 PROJECT No. 240037(BR6) - DISCIPLINE WAC - NUMBER 406 - REV. 5

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 1-59.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 60-118.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 119-177.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 178-236.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 237-295.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 296-324.

WORK AS CONSTRUCTED. THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 13/05/2026 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY. COMPANY: ADW Johnson Pty Ltd. NAME: BASS RANDALL. DATE: 29/05/2026.

ORIGIN OF W.A.C. LEVELS. PM: 20029, E: 345612.942, N: 6382878.917, RL: 77.675m. Co-Ord System: MGA Ground, MGA Datum: GDA94, MGA Zone: 56. BEFORE YOU DIG www.byda.com.au

WORK AS CONSTRUCTED

Table with columns: REV, DATE, AMENDMENT, DRAWN, CHECK, DESIGN, VERIFY, SCALES, CLIENT (Hunter Office, altogether.), PROPERTY DESCRIPTION (PROPOSED SUBDIVISION BRIDGING RESIDENTIAL - STAGE BR6 HUNTLLEE), PROJECT (POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION), PLAN TITLE (FITTING TABLES), SURVEYED (Daly,Smith), DATUM (GDA94 M.G.A. ZONE 56), PROJECT No. (240037(BR6)), DISCIPLINE (WAC), NUMBER (407), REV. (5).