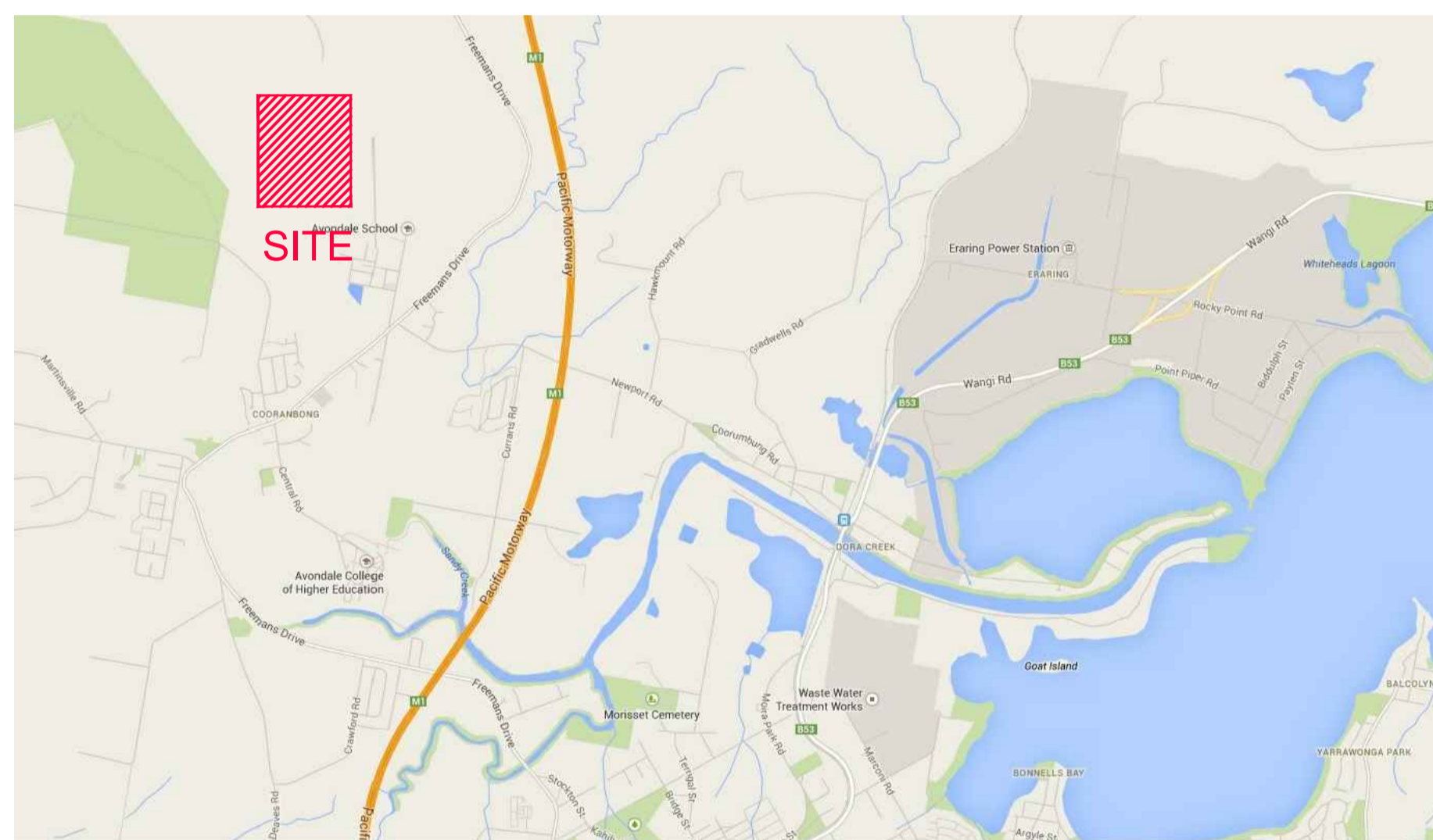
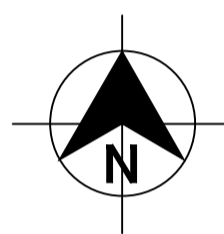


WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.1(PART), 3.13 & 3.16 & PRECINCT NORTH B STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP 1237780

239078(5)1-WAC-001(5)



LOCALITY SKETCH
NOT TO SCALE

Sheet List Table	
Sheet Title	Sheet Description
239078(5)1-WAC-001(5)	TITLE SHEET, DRAWING INDEX & LOCALITY PLAN
239078(5)1-WAC-002(5)	GENERAL NOTES
239078(5)1-WAC-003(5)	SITE PLAN
239078(5)1-WAC-101(5)	POTABLE WATER DETAIL PLAN: SHEET 1 OF 7
239078(5)1-WAC-102(5)	POTABLE WATER DETAIL PLAN: SHEET 2 OF 7
239078(5)1-WAC-103(5)	POTABLE WATER DETAIL PLAN: SHEET 3 OF 7
239078(5)1-WAC-104(5)	POTABLE WATER DETAIL PLAN: SHEET 4 OF 7
239078(5)1-WAC-105(5)	POTABLE WATER DETAIL PLAN: SHEET 5 OF 7
239078(5)1-WAC-106(5)	POTABLE WATER DETAIL PLAN: SHEET 6 OF 7
239078(5)1-WAC-107(5)	POTABLE WATER DETAIL PLAN: SHEET 7 OF 7
239078(5)1-WAC-201(5)	RECYCLED WATER DETAIL PLAN: SHEET 1 OF 7
239078(5)1-WAC-202(5)	RECYCLED WATER DETAIL PLAN: SHEET 2 OF 7
239078(5)1-WAC-203(5)	RECYCLED WATER DETAIL PLAN: SHEET 3 OF 7
239078(5)1-WAC-204(5)	RECYCLED WATER DETAIL PLAN: SHEET 4 OF 7
239078(5)1-WAC-205(5)	RECYCLED WATER DETAIL PLAN: SHEET 5 OF 7
239078(5)1-WAC-206(5)	RECYCLED WATER DETAIL PLAN: SHEET 6 OF 7
239078(5)1-WAC-207(5)	RECYCLED WATER DETAIL PLAN: SHEET 7 OF 7
239078(5)1-WAC-301(5)	PRESSURE SEWER DETAIL PLAN: SHEET 1 OF 7
239078(5)1-WAC-302(5)	PRESSURE SEWER DETAIL PLAN: SHEET 2 OF 7
239078(5)1-WAC-303(5)	PRESSURE SEWER DETAIL PLAN: SHEET 3 OF 7
239078(5)1-WAC-304(5)	PRESSURE SEWER DETAIL PLAN: SHEET 4 OF 7
239078(5)1-WAC-305(5)	PRESSURE SEWER DETAIL PLAN: SHEET 5 OF 7
239078(5)1-WAC-306(5)	PRESSURE SEWER DETAIL PLAN: SHEET 6 OF 7
239078(5)1-WAC-307(5)	PRESSURE SEWER DETAIL PLAN: SHEET 7 OF 7
239078(5)1-WAC-401(5)	TYPICAL CROSS SECTIONS: A & B
239078(5)1-WAC-402(5)	TYPICAL PIPEWORK TRENCHING DETAILS
239078(5)1-WAC-403(5)	TYPICAL PROPERTY CONNECTION: SHEET 1 OF 2
239078(5)1-WAC-404(5)	TYPICAL PROPERTY CONNECTION: SHEET 2 OF 2
239078(5)1-WAC-405(5)	SEWER SERVICE CONNECTION DETAILS
239078(5)1-WAC-406(5)	THRUST BLOCK DETAILS
239078(5)1-WAC-407(5)	FITTINGS TABLE: SHEET 1
239078(5)1-WAC-408(5)	FITTINGS TABLE: SHEET 2

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE ____/____/____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533 Co-Ord System: MGA Ground
 E: 3455423.957 MGA Datum: GDA94
 N: 6340377.094 MGA Zone: 56
 RL: 20.139m

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.		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	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.1(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TITLE SHEET, DRAWING INDEX & LOCALITY PLAN	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	001	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.											
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.											
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.											
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.											
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.											

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.

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 ALTOGETHER 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 DN40 (PE100 PN16).
- FLUSHING PITS SHALL CONFORM WITH ALTOGETHER STANDARD DRAWINGS. REFER TO ALTOGETHER WEBSITE FOR CURRENT VERSION. SMALL MAINS (≤ DN110) http://information.altogethergroup.com.au/governance/Land_Housing/PSS-1017A-FS.pdf LARGE MAINS (> DN110) 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 OFFTAKE 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 (ANTI-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. 1 x Ø25mm INSTRUMENTATION CONDUIT (ORANGE) AND 1 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 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 HAD 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 21.3.4) 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 NOV SUPPLIED (NOV PSS-BK4). 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.
- ELECTRICAL GLAND CONNECTION SUPPLIED LOOSE WITH EACH SEWER POT IS TO BE INSTALLED BY THE CIVIL CONTRACTOR AND ELECTRICAL CONDUIT ATTACHED TO THE TANK FOR FUTURE ELECTRICAL WIRING.

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 WATER MAINS TO BE BLUE PVC-M (PN16). ALL RECYCLED WATER MAINS 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 DUAL SERVICE: 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 HUNTLEE WATER 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 HAD 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 19.3.5) :
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
TEST 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/GRADE%. 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 CESSNOCK CITY 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)
	≤ DN200	≥ DN200	
WATER MAINS > DN375	600	600	300
WATER MAINS < DN375	300*	600	150
GAS MAINS	300*	600	150
TELECOMMUNICATION CONDUITS AND CABLES	300*	600	150
ELECTRICITY CONDUITS AND CONDUITS	200	1000	225*
STORMWATER DRAINS	300*	600	150*
SEWERS (GRAVITY)	1000* / 600	1000* / 600	500*
SEWERS (PRESSURE AND VACUUM)	600	600	300*
KERBS	150	600*	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 CLEARANCES 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).

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

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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>[Signature]</i>	DATE	23/10/2023
	REGISTERED SURVEYOR	SIGNED	
		CONSTRUCTION MANAGER	

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System	MGA Ground
E	3455423.957		MGA Datum: GDA94
N	6340377.094		MGA Zone: 56
RL	20.139m		

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



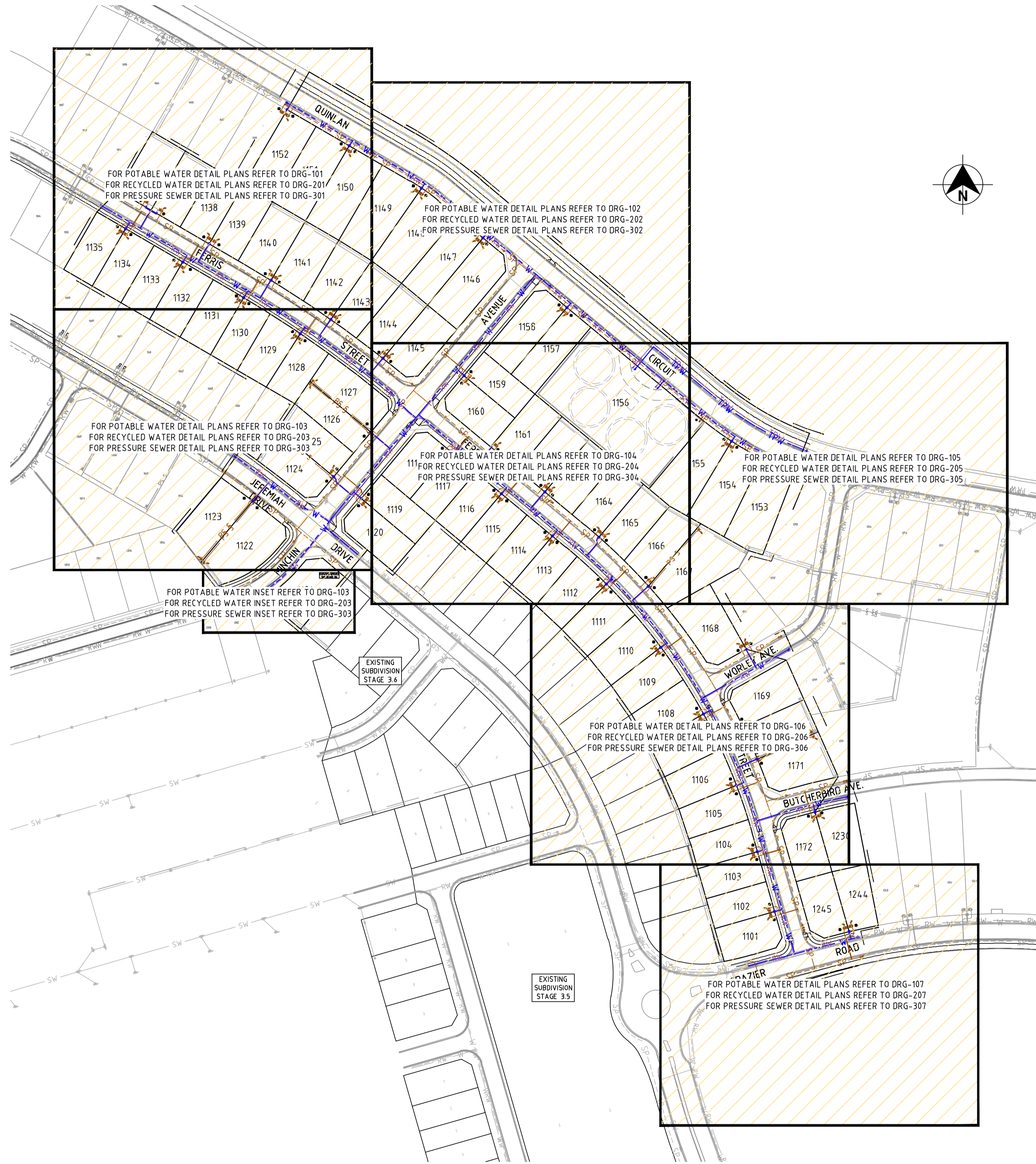
WORK AS CONSTRUCTED

239078(5)1-WAC-002(5)

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.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.		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	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	GENERAL NOTES	239078(5)1	WAC	002	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.									
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.									
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.									

DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg
ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE
Plotted By: iainb Plot Date: 01/11/23 - 09:25 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-002(5).dwg



WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE ____/____/_____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM 57533 Co-Ord System: MGA Ground
 E: 3455423.957 MGA Datum: GDA94
 N: 6340377.094 MGA Zone: 56
 RL: 20.139m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



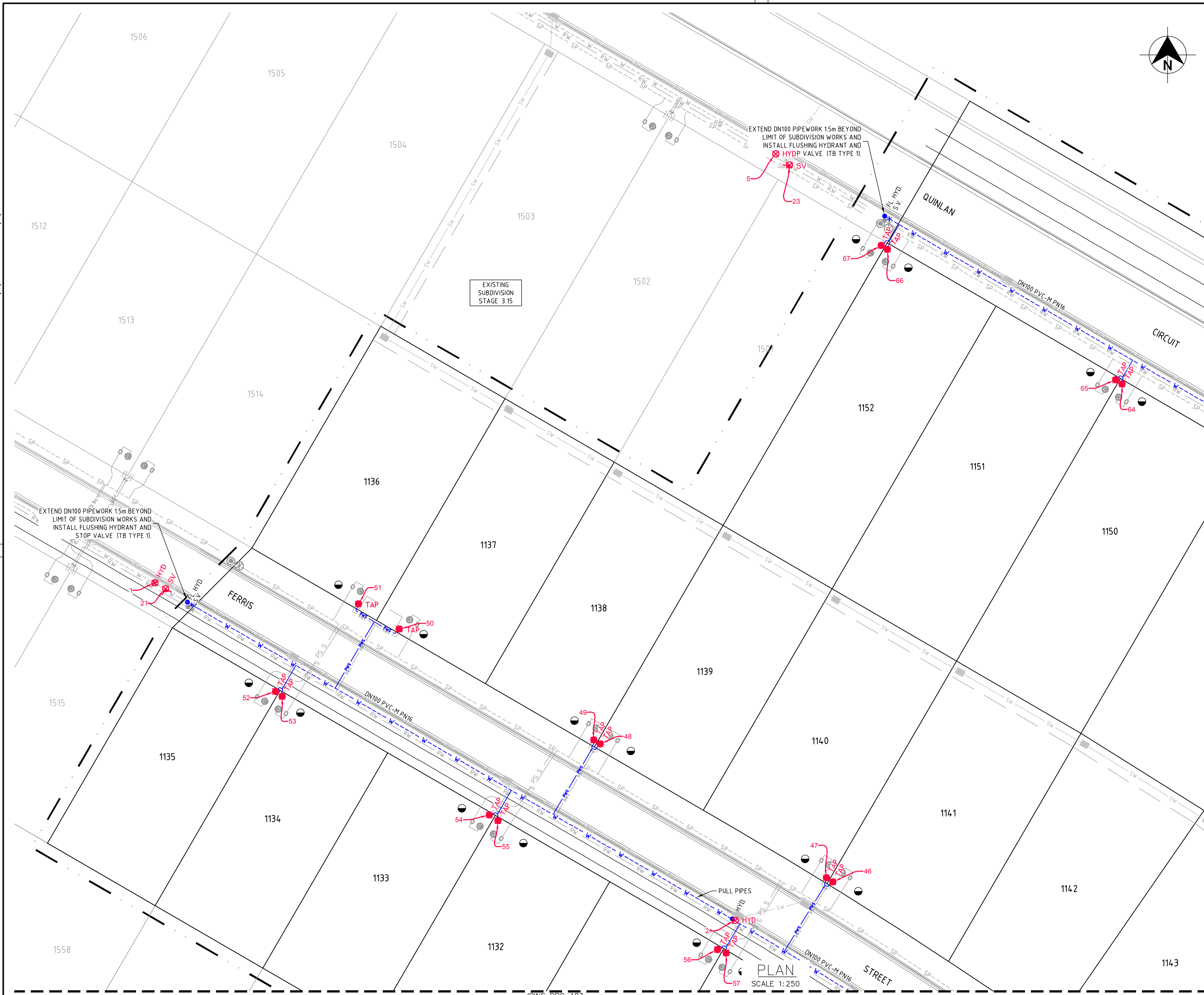
WORK AS CONSTRUCTED

PLAN
SCALE 1:1250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	DISCIPLINE	NUMBER	REV.		
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.		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	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	SITE PLAN	PROJECT No. 239078(5)1	DISCIPLINE WAC	NUMBER 003	REV. 5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.									
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.									
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.									

239078(5)1-WAC-107(5)

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.



- LEGEND**
- W PVC-M POTABLE WATER RETICULATION
 - PWS POTABLE WATER PROPERTY SERVICE
 - RW PVC-M RECYCLED WATER RETICULATION
 - RWS RECYCLED WATER PROPERTY SERVICE
 - SP PE PRESSURE SEWER RETICULATION
 - PS S PE PRESSURE SEWER PROPERTY SERVICE
 - EX PW EXISTING POTABLE WATER RETICULATION
 - EX RW EXISTING RECYCLED WATER RETICULATION
 - EX PS EXISTING PRESSURE SEWER RETICULATION
 - SW STORMWATER PIPEWORK
 - SV STOP VALVE
 - HYD HYDRANT
 - FL HYD FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 [Signature] DATE 23/10/2023 SIGNED [Signature] DATE [Signature]
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533 Co-Ord System: MGA Ground
 E: 3455423.957 MGA Datum: GDA94
 N: 6340377.094 MGA Zone: 56
 RL: 20.139m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



WORK AS CONSTRUCTED

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td>A1 / A3</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td>1:250 / 1:500</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		<p>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</p>	<p>CLIENT </p>	<p>PROPERTY DESCRIPTION WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE POTABLE WATER DETAIL PLAN: SHEET 1 OF 7</p>	<table border="1"> <tr> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>239078(5)1</td> <td>WAC</td> <td>101</td> <td>5</td> </tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	239078(5)1	WAC	101	5
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																														
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3																																																														
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500																																																														
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																															
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																															
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																															
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																															
PROJECT No.	DISCIPLINE	NUMBER	REV.																																																																		
239078(5)1	WAC	101	5																																																																		

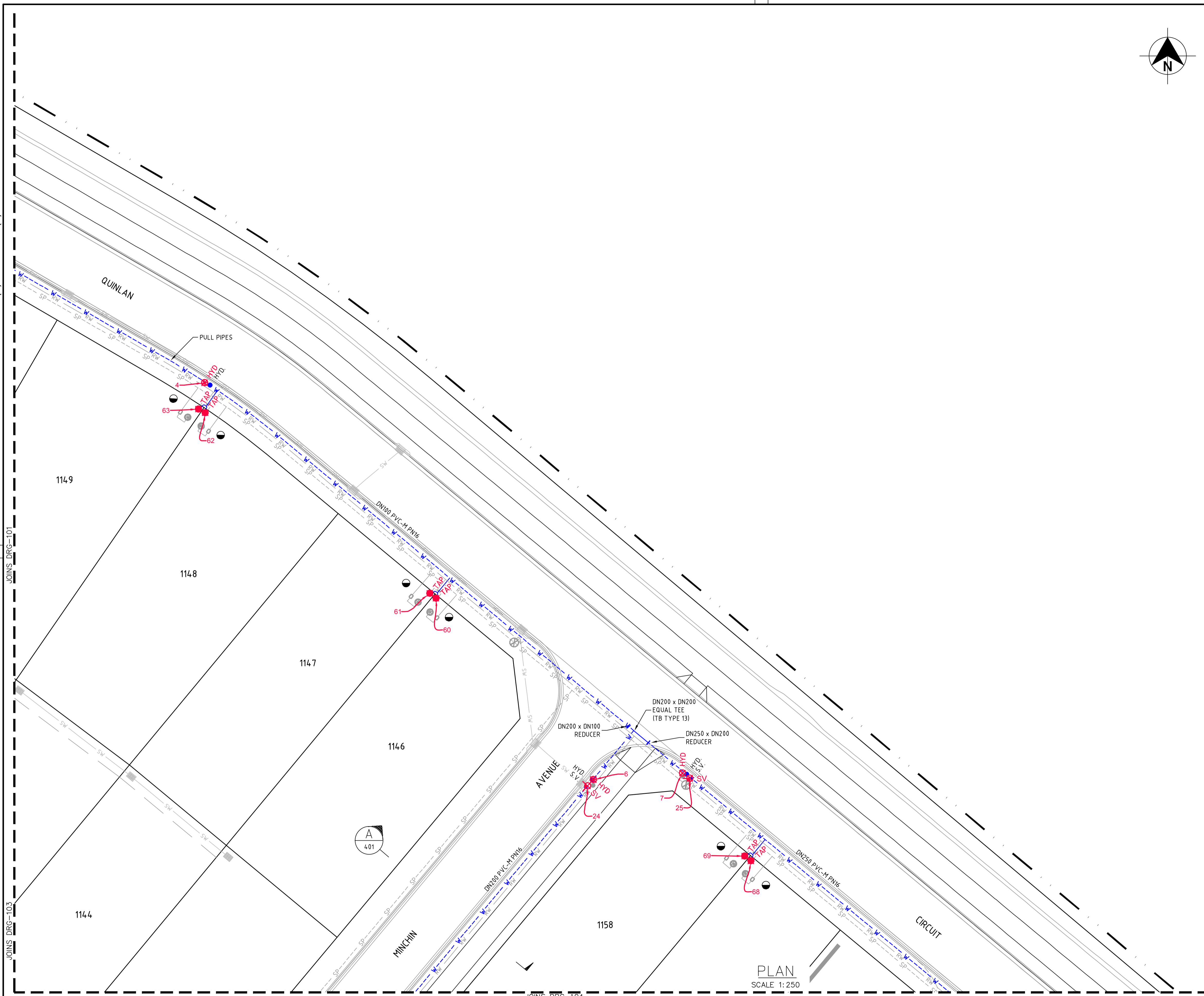
DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

Plotted By: iainb Plot Date: 01/11/23 - 09:25 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-107(5).dwg

239078(5)1-WAC-107(5)

JOINS DRG-101

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV * STOP VALVE
- HYD ● HYDRANT
- FL HYD ● FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
 E: 3455423.957 Co-Ord System: MGA Ground
 N: 6340377.094 MGA Datum: GDA94
 RL: 20.139m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.	
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.	
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.	

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

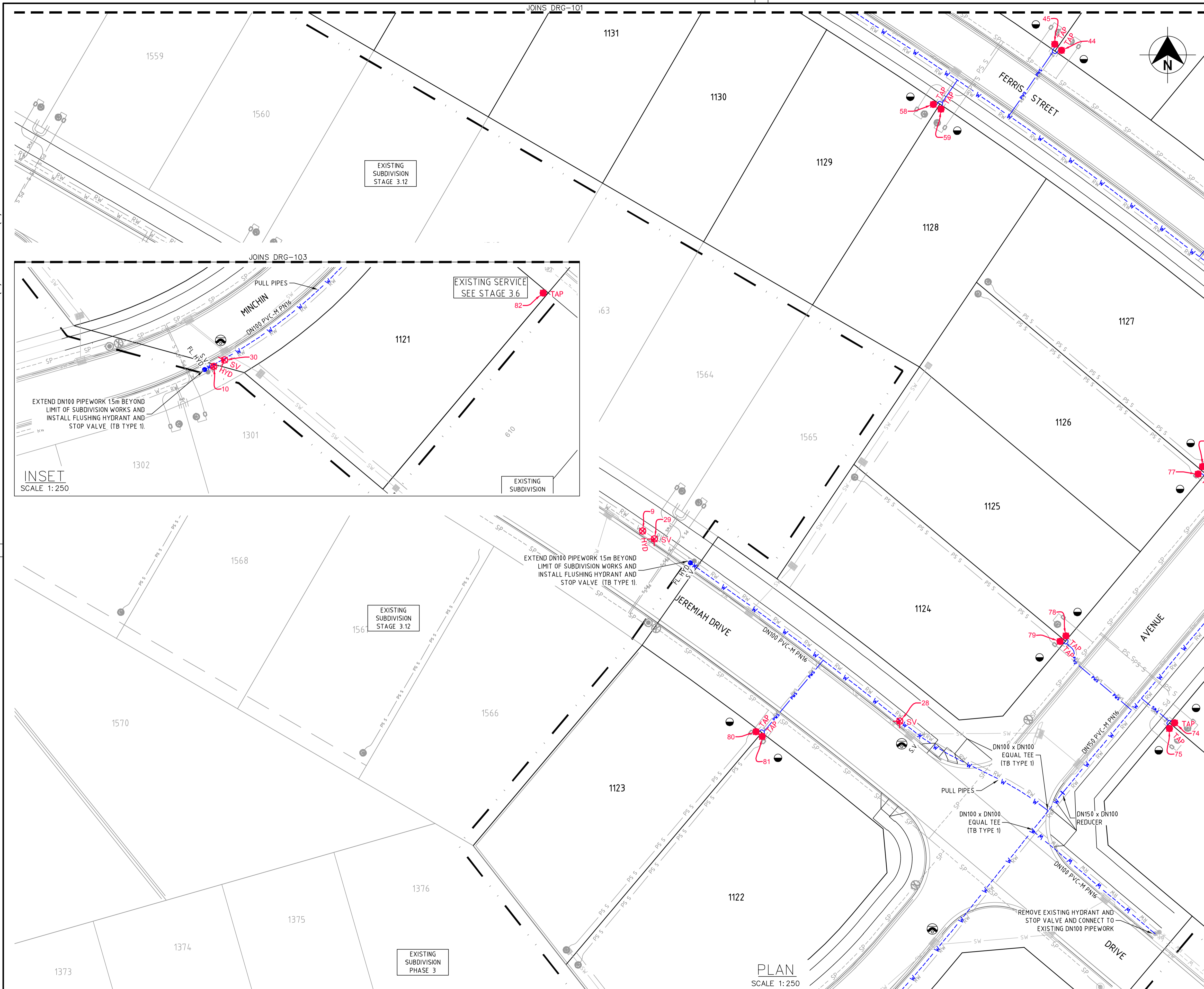
JOHNSON PROPERTY GROUP

CLIENT

PROPERTY DESCRIPTION
 WATAGAN PARK
 PROPOSED SUBDIVISION - PHASE 1
 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
 & PRECINCT NORTH B, STAGES 3 & 6
 LOT 100 DP1270571 & LOT 82 DP1237780

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN: SHEET 2 OF 7		
PROJECT No.	DISCIPLINE	NUMBER	REV.
239078(5)1	WAC	102	5

239078(5)1-WAC-107(5)



- LEGEND**
- W PVC-M POTABLE WATER RETICULATION
 - PWS POTABLE WATER PROPERTY SERVICE
 - RW PVC-M RECYCLED WATER RETICULATION
 - RWS RECYCLED WATER PROPERTY SERVICE
 - SP PE PRESSURE SEWER RETICULATION
 - PS S PE PRESSURE SEWER PROPERTY SERVICE
 - EX PW EXISTING POTABLE WATER RETICULATION
 - EX RW EXISTING RECYCLED WATER RETICULATION
 - EX PS EXISTING PRESSURE SEWER RETICULATION
 - SW STORMWATER PIPEWORK
 - SV STOP VALVE
 - HYD. HYDRANT
 - FL HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
 E: 3455423.957 Co-Ord System: MGA Ground
 N: 6340377.094 MGA Datum: GDA94
 RL: 20.139m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



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 the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.	
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.	
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.	

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

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

JOHNSON PROPERTY GROUP

CLIENT

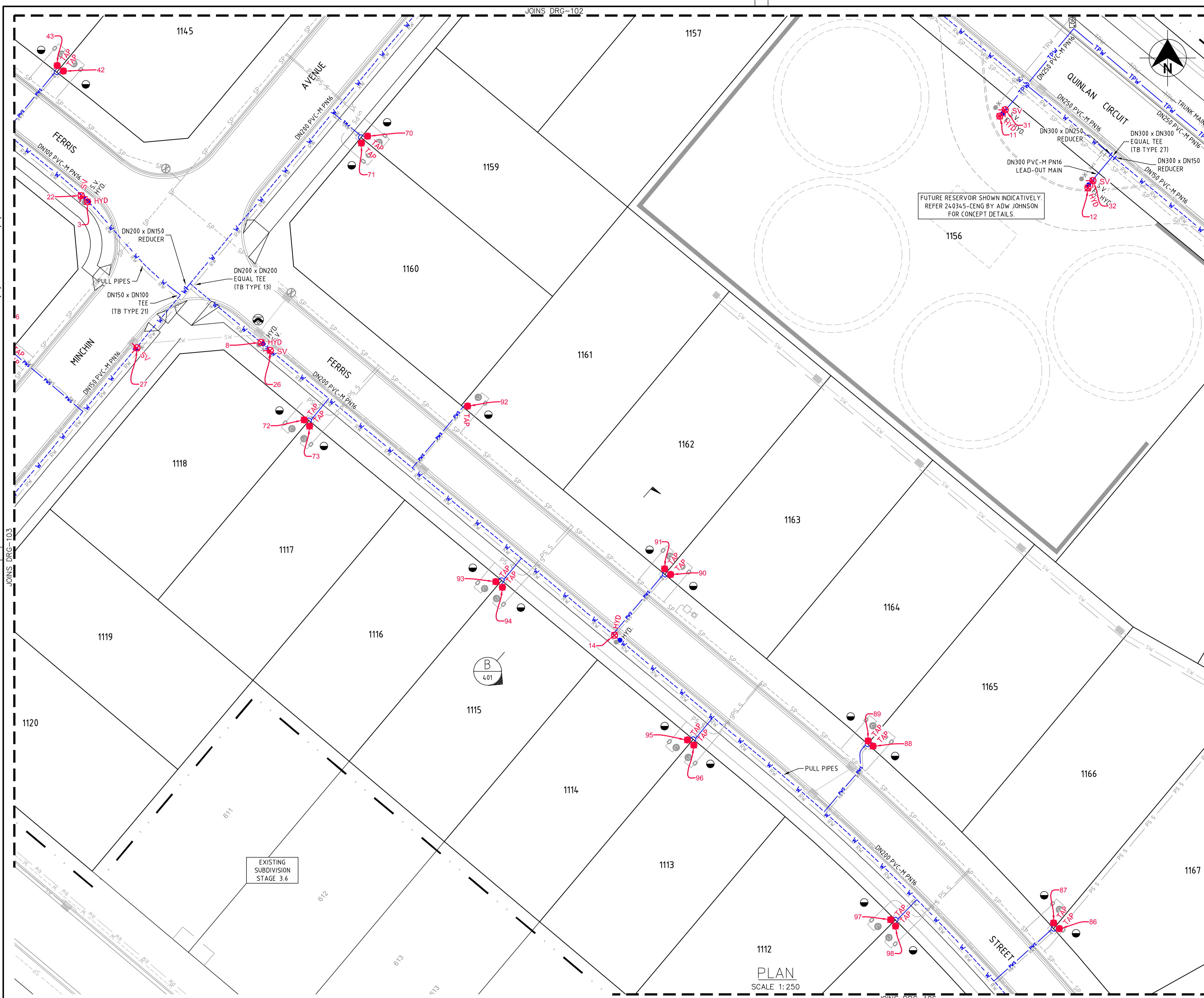
PROPERTY DESCRIPTION
 WATAGAN PARK
 PROPOSED SUBDIVISION - PHASE 1
 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
 & PRECINCT NORTH B, STAGES 3 & 6
 LOT 100 DP1270571 & LOT 82 DP1237780

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN: SHEET 3 OF 7		
PROJECT No.	DISCIPLINE	NUMBER	REV.
239078(5)1	WAC	103	5

239078(5)1-WAC-107(5)

JOINS DRG-103

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.



LEGEND

- W - PVC-M POTABLE WATER RETICULATION
- PWS - POTABLE WATER PROPERTY SERVICE
- RW - PVC-M RECYCLED WATER RETICULATION
- RWS - RECYCLED WATER PROPERTY SERVICE
- SP - PE PRESSURE SEWER RETICULATION
- PS - PE PRESSURE SEWER PROPERTY SERVICE
- EX PW - EXISTING POTABLE WATER RETICULATION
- EX RW - EXISTING RECYCLED WATER RETICULATION
- EX PS - EXISTING PRESSURE SEWER RETICULATION
- SW - STORMWATER PIPEWORK
- SV - STOP VALVE
- HYD. - HYDRANT
- FL HYD. - FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533 Co-Ord System: MGA Ground
 E: 3455423.957 MGA Datum: GDA94
 N: 6340377.094 MGA Zone: 56
 RL: 20.139m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



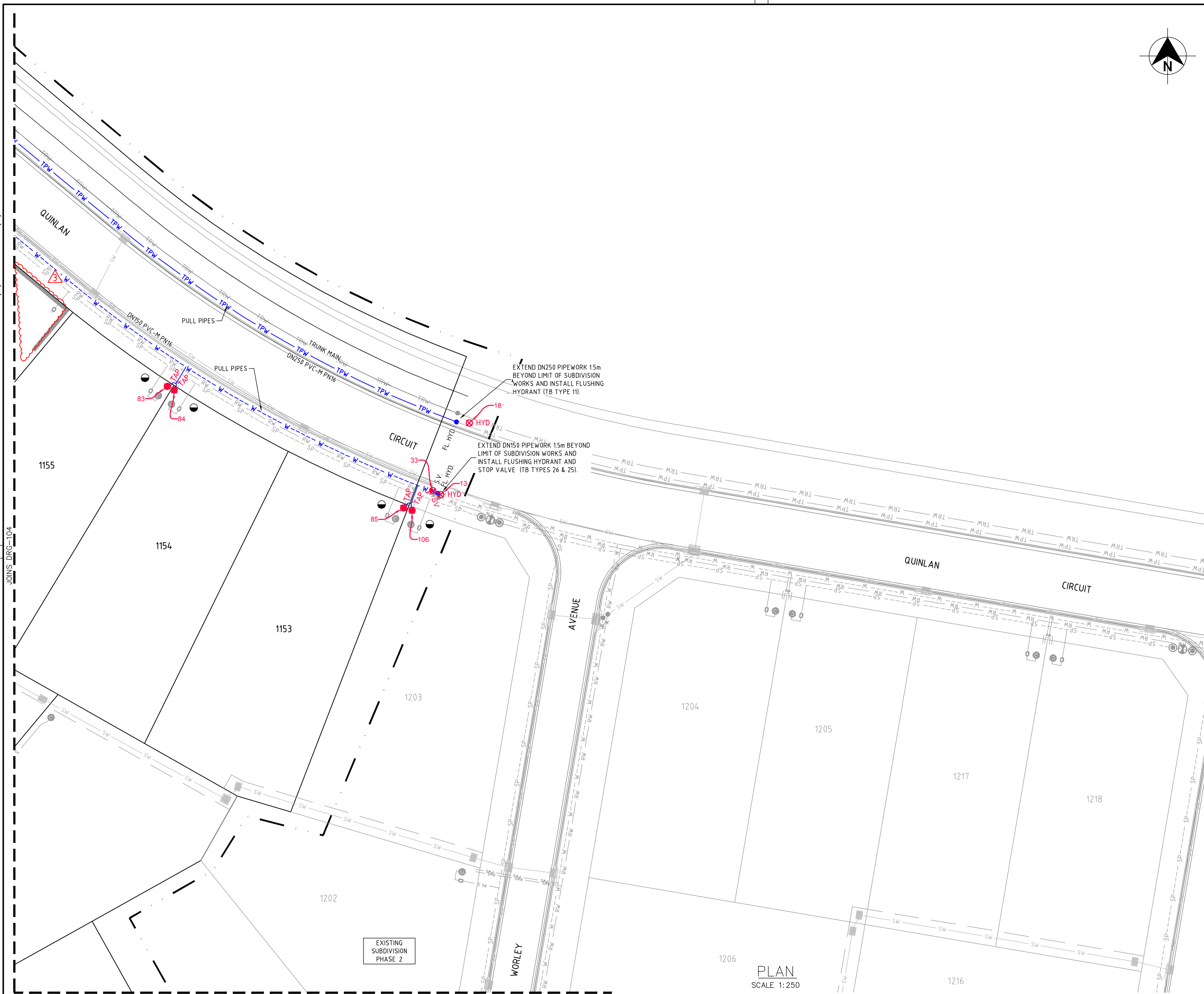
WORK AS CONSTRUCTED

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td rowspan="5"> A1 / A3 1:250 / 1:500 </td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	 A1 / A3 1:250 / 1:500	1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.	4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.	5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.	<p>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</p>	<p>CLIENT </p>	<p>PROPERTY DESCRIPTION WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE POTABLE WATER DETAIL PLAN: SHEET 4 OF 7</p>	<table border="1"> <tr> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>239078(5)1</td> <td>WAC</td> <td>104</td> <td>5</td> </tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	239078(5)1	WAC	104	5
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																									
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	 A1 / A3 1:250 / 1:500																																																									
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																										
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																										
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																										
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																										
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																										
PROJECT No.	DISCIPLINE	NUMBER	REV.																																																													
239078(5)1	WAC	104	5																																																													

239078(5)1-WAC-107(5)

JOINS DRG-104

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV --- STOP VALVE
- HYD --- HYDRANT
- FL HYD --- FLUSHING HYDRANT
- ○ --- PROPERTY SERVICE CONNECTION
- ○ --- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- --- PROPOSED EASEMENT
- --- SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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	23/10/2023
	REGISTERED SURVEYOR	SIGNED	
		DATE	
		CONSTRUCTION MANAGER	

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System:	MGA Ground
E:	3455423.957	MGA Datum:	GDA94
N:	6340377.094	MGA Zone:	56
RL:	20.139m		

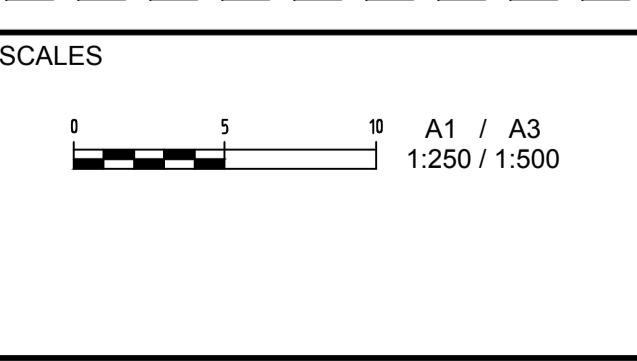
APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT
0	27.02.2023	FOR CONSTRUCTION
1	09.03.2023	FOR CONSTRUCTION
2	12.05.2023	FOR CONSTRUCTION
3	19.05.2023	FOR CONSTRUCTION
4	01.06.2023	FOR CONSTRUCTION
5	23.10.2023	WORK AS CONSTRUCTED

DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	M.K.	M.K.	M.K.	0 5 10 A1 / A3
G.S.	C.S.	M.K.	M.K.	1:250 / 1:500
G.S.	C.S.	M.K.	M.K.	
G.S.	C.H.	M.K.	M.K.	
L.S.	C.H.	M.K.	M.K.	
I.B.	C.H.	M.K.	M.K.	



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

JOHNSON PROPERTY GROUP

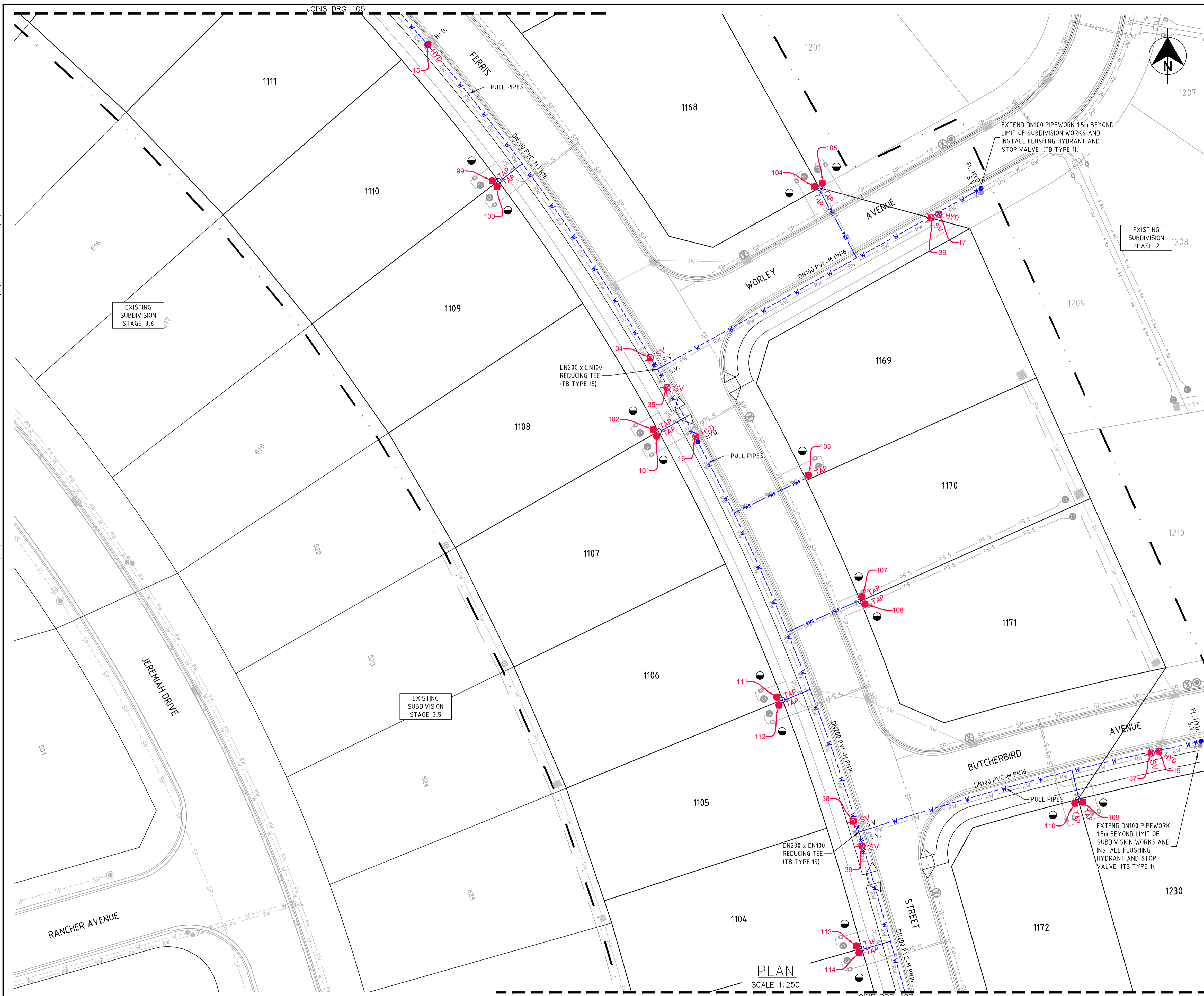
CLIENT

PROPERTY DESCRIPTION
WATAGAN PARK
PROPOSED SUBDIVISION - PHASE 1
PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
& PRECINCT NORTH B, STAGES 3 & 6
LOT 100 DP1270571 & LOT 82 DP1237780

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN: SHEET 5 OF 7		
PROJECT No.	DISCIPLINE	NUMBER	REV.
239078(5)1	WAC	105	5

239078(5)1-WAC-107(5)

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.



LEGEND

- PVC-M POTABLE WATER RETICULATION
- POTABLE WATER PROPERTY SERVICE
- PVC-M RECYCLED WATER RETICULATION
- RECYCLED WATER PROPERTY SERVICE
- PE PRESSURE SEWER RETICULATION
- PE PRESSURE SEWER PROPERTY SERVICE
- EXISTING POTABLE WATER RETICULATION
- EXISTING RECYCLED WATER RETICULATION
- EXISTING PRESSURE SEWER RETICULATION
- STORMWATER PIPEWORK
- STOP VALVE
- HYDRANT
- FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System:	MGA Ground
E	3455423.957	MGA Datum:	GDA94
N	6340377.094	MGA Zone:	56
RL	20.139m		

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023

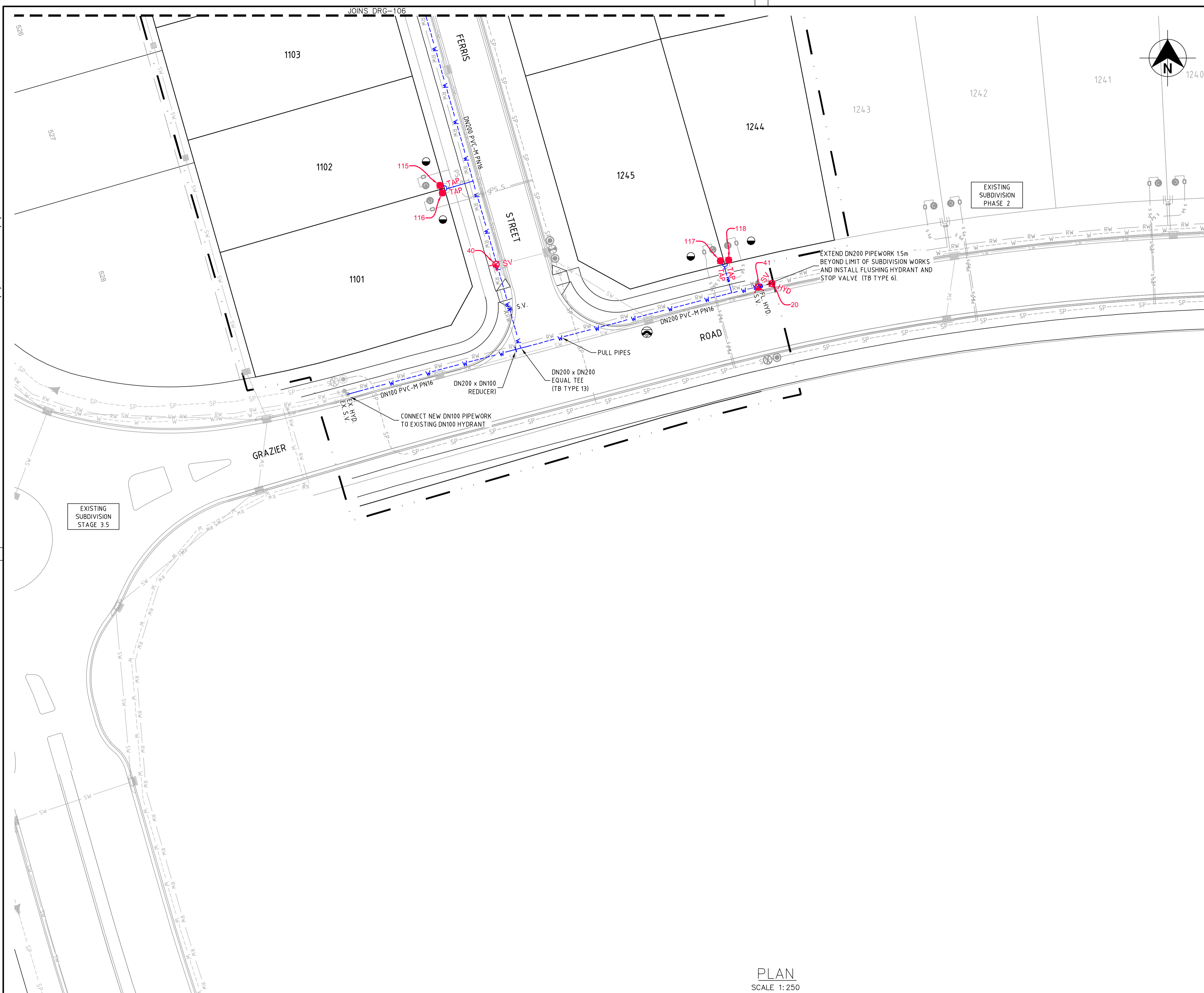


WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	Hunter Office	WATAGAN PARK	POTABLE WATER, RECYCLED WATER AND		239078(5)1	WAC	106	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	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 - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN: SHEET 6 OF 7				
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.									
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.									
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.									

239078(5)1-WAC-107(5)

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.



LEGEND

- W — PVC-M POTABLE WATER RETICULATION
- PWS — PWS POTABLE WATER PROPERTY SERVICE
- RW — PVC-M RECYCLED WATER RETICULATION
- RWS — RWS RECYCLED WATER PROPERTY SERVICE
- SP — SP PE PRESSURE SEWER RETICULATION
- PS S — PE PRESSURE SEWER PROPERTY SERVICE
- EX PW — EXISTING POTABLE WATER RETICULATION
- EX RW — EXISTING RECYCLED WATER RETICULATION
- EX PS — EXISTING PRESSURE SEWER RETICULATION
- SW — SW STORMWATER PIPEWORK
- ✱ SV STOP VALVE
- HYD. HYDRANT
- FL HYD. FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	579
DN150	PVC-M PN16	144
DN200	PVC-M PN16	447
DN250	PVC-M PN16	183
DN300	PVC-M PN16	5

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 207.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED DATE

REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533 Co-Ord System: MGA Ground

E: 3455423.957 MGA Datum: GDA94

N: 6340377.094 MGA Zone: 56

RL: 20.139m

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



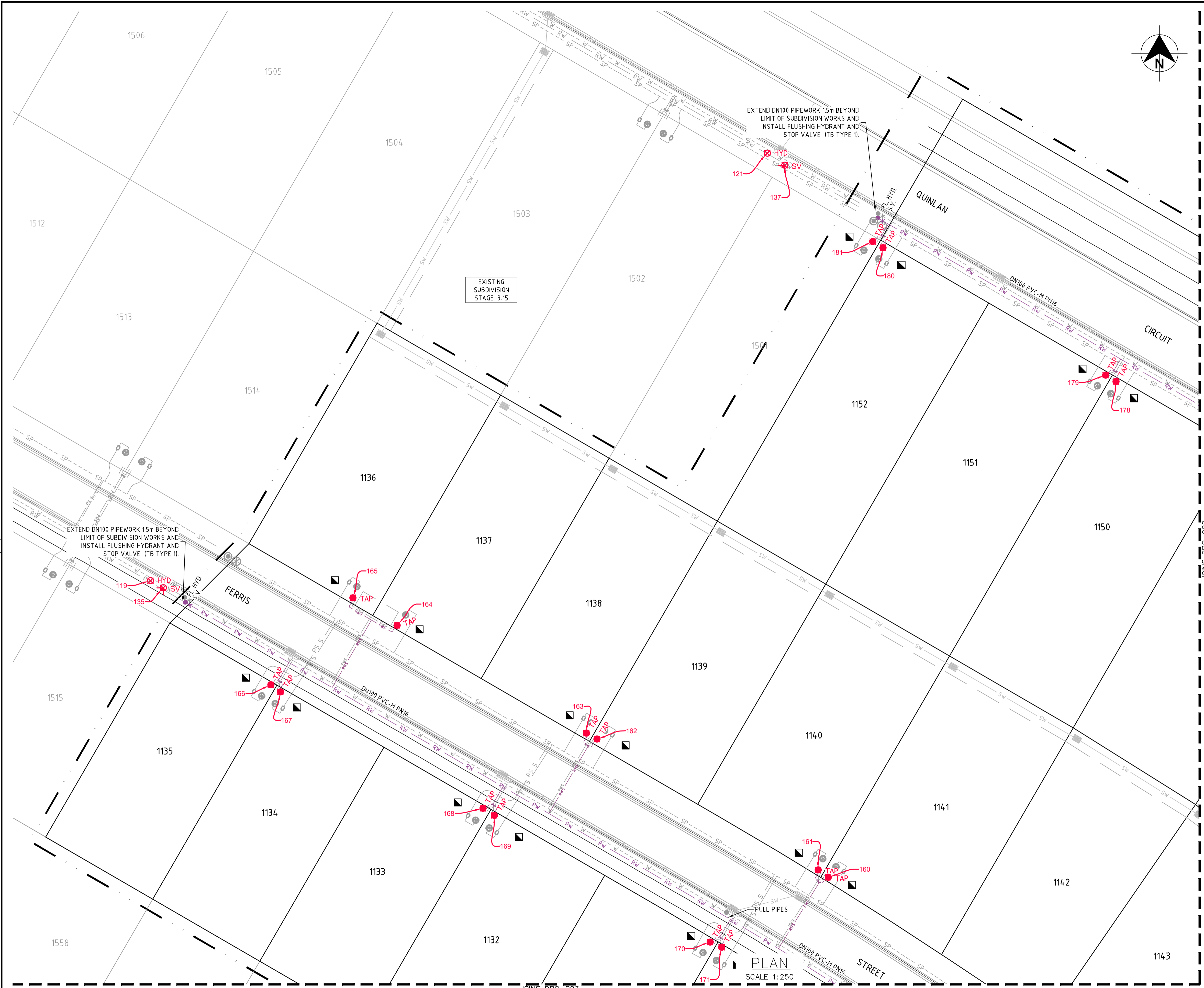
WORK AS CONSTRUCTED

PLAN
SCALE 1: 250

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	0	27.02.2023	FOR CONSTRUCTION	1	09.03.2023	FOR CONSTRUCTION	2	12.05.2023	FOR CONSTRUCTION	3	19.05.2023	FOR CONSTRUCTION	4	01.06.2023	FOR CONSTRUCTION	5	23.10.2023	WORK AS CONSTRUCTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> </tbody> </table>	DRAWN	CHECK	DESIGN	VERIFY	G.S.	M.K.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.H.	M.K.	M.K.	L.S.	C.H.	M.K.	M.K.	I.B.	C.H.	M.K.	M.K.	<p>SCALES</p> <div style="text-align: center;"> <p>1:250 / 1:500</p> </div>	<div style="text-align: center;"> <p>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</p> </div>	<div style="text-align: center;"> <p>JOHNSON PROPERTY GROUP</p> </div>	<p>CLIENT</p> <p style="text-align: center;">WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270671 & LOT 82 DP1237780</p>	<p>PROPERTY DESCRIPTION</p> <p style="text-align: center;">WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270671 & LOT 82 DP1237780</p>	<p>PROJECT</p> <p style="text-align: center;">POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p>	<p>PLAN TITLE</p> <p style="text-align: center;">POTABLE WATER DETAIL PLAN: SHEET 7 OF 7</p>
REV.	DATE	AMENDMENT																																																							
0	27.02.2023	FOR CONSTRUCTION																																																							
1	09.03.2023	FOR CONSTRUCTION																																																							
2	12.05.2023	FOR CONSTRUCTION																																																							
3	19.05.2023	FOR CONSTRUCTION																																																							
4	01.06.2023	FOR CONSTRUCTION																																																							
5	23.10.2023	WORK AS CONSTRUCTED																																																							
DRAWN	CHECK	DESIGN	VERIFY																																																						
G.S.	M.K.	M.K.	M.K.																																																						
G.S.	C.S.	M.K.	M.K.																																																						
G.S.	C.S.	M.K.	M.K.																																																						
G.S.	C.H.	M.K.	M.K.																																																						
L.S.	C.H.	M.K.	M.K.																																																						
I.B.	C.H.	M.K.	M.K.																																																						
<p>DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg</p>		<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>Plotted By: iainb Plot Date: 01/11/23 - 09:26 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-107(5).dwg</p>		<p>SURVEYED</p> <p style="text-align: center;">ADW Johnson</p>	<p>DATUM</p> <p style="text-align: center;">GDA94 M.G.A. ZONE 56 A.H.D.</p>	<p>PROJECT No.</p> <p style="text-align: center;">239078(5)1</p>	<p>DISCIPLINE</p> <p style="text-align: center;">WAC</p>	<p>NUMBER</p> <p style="text-align: center;">107</p>	<p>REV.</p> <p style="text-align: center;">5</p>																																														

239078(5)1-WAC-207(5)

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.



LEGEND

- PVC-M POTABLE WATER RETICULATION
- POTABLE WATER PROPERTY SERVICE
- PVC-M RECYCLED WATER RETICULATION
- RECYCLED WATER PROPERTY SERVICE
- PE PRESSURE SEWER RETICULATION
- PE PRESSURE SEWER PROPERTY SERVICE
- EXISTING POTABLE WATER RETICULATION
- EXISTING RECYCLED WATER RETICULATION
- EXISTING PRESSURE SEWER RETICULATION
- STORMWATER PIPEWORK
- STOP VALVE
- HYDRANT
- FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-4.03 & 4.04.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023	SIGNED _____ DATE _____
REGISTERED SURVEYOR	CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533	Co-Ord System: MGA Ground
E: 3455423.957	MGA Datum: GDA94
N: 6340377.094	MGA Zone: 56
RL: 20.139m	

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT
0	27.02.2023	FOR CONSTRUCTION
1	09.03.2023	FOR CONSTRUCTION
2	12.05.2023	FOR CONSTRUCTION
3	19.05.2023	FOR CONSTRUCTION
4	01.06.2023	FOR CONSTRUCTION
5	23.10.2023	WORK AS CONSTRUCTED

DRAWN	CHECK	DESIGN	VERIFY
G.S.	M.K.	M.K.	M.K.
G.S.	C.S.	M.K.	M.K.
G.S.	C.S.	M.K.	M.K.
G.S.	C.H.	M.K.	M.K.
L.S.	C.H.	M.K.	M.K.
I.B.	C.H.	M.K.	M.K.

SCALES

A1 / A3
1:250 / 1:500

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

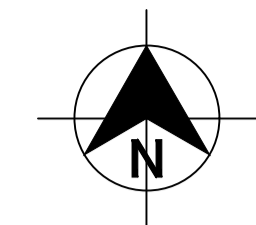
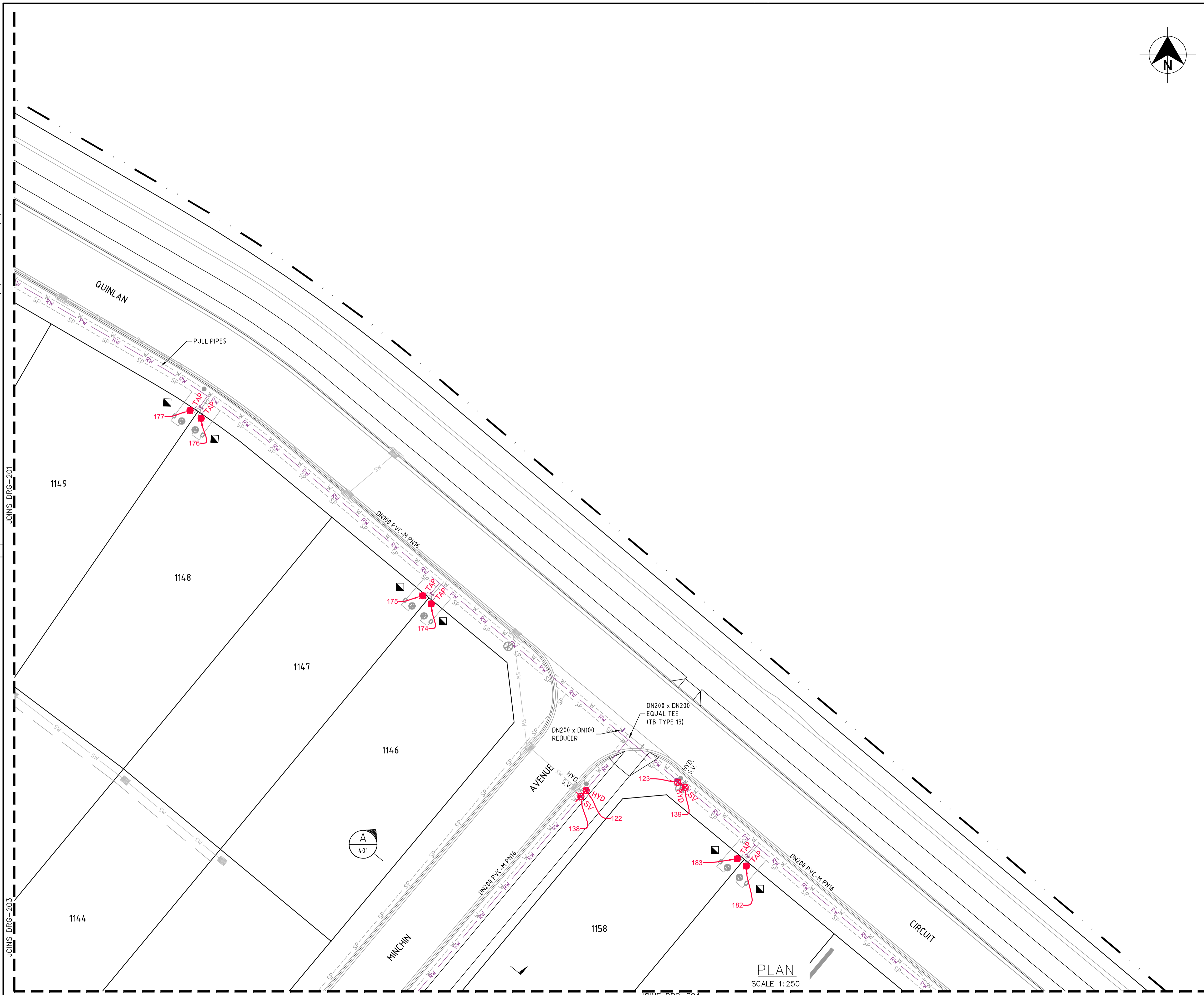
PROPERTY DESCRIPTION
WATAGAN PARK
PROPOSED SUBDIVISION - PHASE 1
PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
& PRECINCT NORTH B, STAGES 3 & 6
LOT 100 DP1270571 & LOT 82 DP1237780

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN: SHEET 1 OF 7		
PROJECT No.	DISCIPLINE	NUMBER	REV.
239078(5)1	WAC	201	5

239078(5)1-WAC-207(5)

JOINS DRG-201

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV --- STOP VALVE
- HYD. --- HYDRANT
- FL HYD. --- FLUSHING HYDRANT
- --- PROPERTY SERVICE CONNECTION
- --- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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	23/10/2023
	REGISTERED SURVEYOR	SIGNED	
		DATE/...../.....
		CONSTRUCTION MANAGER	

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System:	MGA Ground
E:	3455423.957	MGA Datum:	GDA94
N:	6340377.094	MGA Zone:	56
RL:	20.139m		

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023

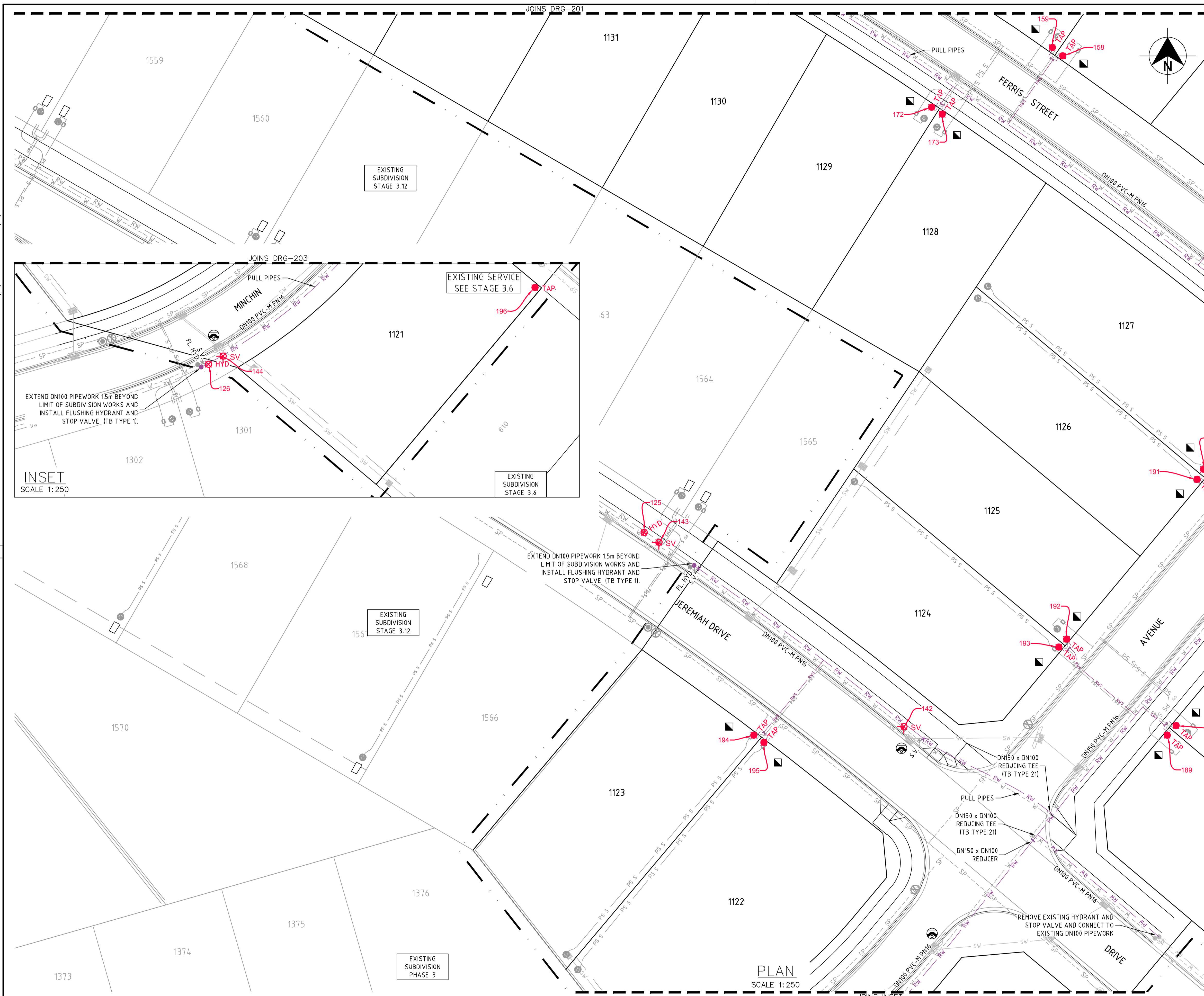


WORK AS CONSTRUCTED

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	0	27.02.2023	FOR CONSTRUCTION	1	09.03.2023	FOR CONSTRUCTION	2	12.05.2023	FOR CONSTRUCTION	3	19.05.2023	FOR CONSTRUCTION	4	01.06.2023	FOR CONSTRUCTION	5	23.10.2023	WORK AS CONSTRUCTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> </tbody> </table>	DRAWN	CHECK	DESIGN	VERIFY	G.S.	M.K.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.H.	M.K.	M.K.	L.S.	C.H.	M.K.	M.K.	I.B.	C.H.	M.K.	M.K.	<p>SCALES</p> <p style="text-align: right;">A1 / A3 1:250 / 1:500</p>	<p>adw Johnson</p> <p>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</p>	<p>CLIENT</p> <p>JOHNSON PROPERTY GROUP</p>	<p>PROPERTY DESCRIPTION</p> <p>WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT</p> <p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p>RECYCLED WATER DETAIL PLAN: SHEET 2 OF 7</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>239078(5)1</td> <td>WAC</td> <td>202</td> <td>5</td> </tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	239078(5)1	WAC	202	5
REV.	DATE	AMENDMENT																																																														
0	27.02.2023	FOR CONSTRUCTION																																																														
1	09.03.2023	FOR CONSTRUCTION																																																														
2	12.05.2023	FOR CONSTRUCTION																																																														
3	19.05.2023	FOR CONSTRUCTION																																																														
4	01.06.2023	FOR CONSTRUCTION																																																														
5	23.10.2023	WORK AS CONSTRUCTED																																																														
DRAWN	CHECK	DESIGN	VERIFY																																																													
G.S.	M.K.	M.K.	M.K.																																																													
G.S.	C.S.	M.K.	M.K.																																																													
G.S.	C.S.	M.K.	M.K.																																																													
G.S.	C.H.	M.K.	M.K.																																																													
L.S.	C.H.	M.K.	M.K.																																																													
I.B.	C.H.	M.K.	M.K.																																																													
PROJECT No.	DISCIPLINE	NUMBER	REV.																																																													
239078(5)1	WAC	202	5																																																													
<p>DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg</p>		<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>Plotted By: iainb Plot Date: 01/11/23 - 09:26 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-207(5).dwg</p>																																																												

239078(5)1-WAC-207(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV * STOP VALVE
- HYD. ● HYDRANT
- FL HYD. ● FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- - - - - PROPOSED EASEMENT
- - - - - SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 [Signature] DATE 23/10/2023 SIGNED [Signature] DATE [] / [] / []
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533 Co-Ord System: MGA Ground
 E: 3455423.957 MGA Datum: GDA94
 N: 6340377.094 MGA Zone: 56
 RL: 20.139m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



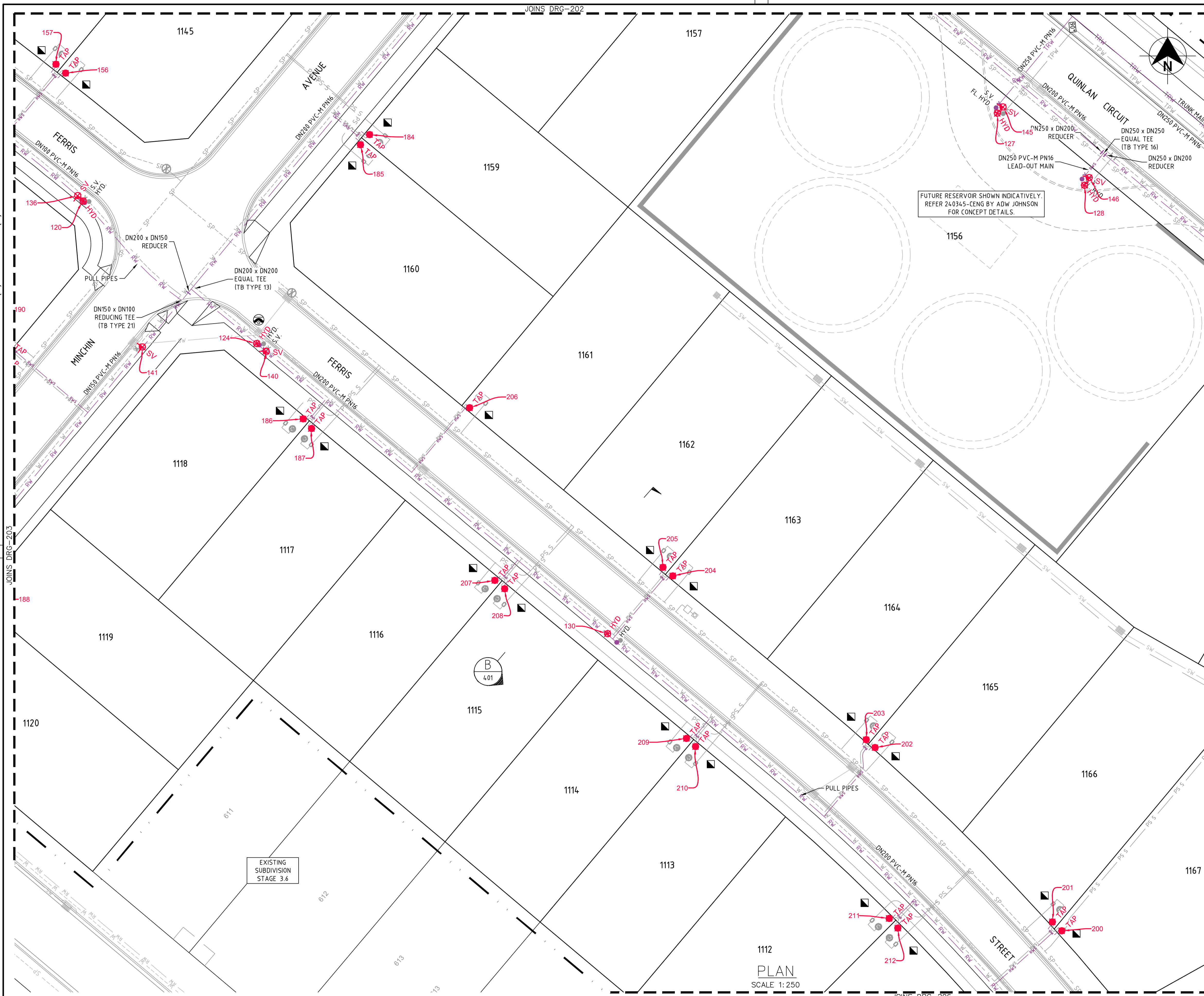
WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	Hunter Office	WATAGAN PARK	POTABLE WATER, RECYCLED WATER AND		239078(5)1	WAC	203	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	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 - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN: SHEET 3 OF 7				
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.									
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.									
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.									

239078(5)1-WAC-207(5)

JOINS DRG-203

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV --- STOP VALVE
- HYD --- HYDRANT
- FL HYD --- FLUSHING HYDRANT
- ■ --- PROPERTY SERVICE CONNECTION
- (Symbol) --- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- --- PROPOSED EASEMENT
- --- SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
 E: 34554.23.957 Co-Ord System: MGA Ground
 N: 6340377.094 MGA Datum: GDA94
 RL: 20.139m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



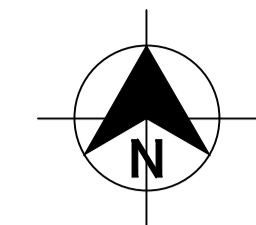
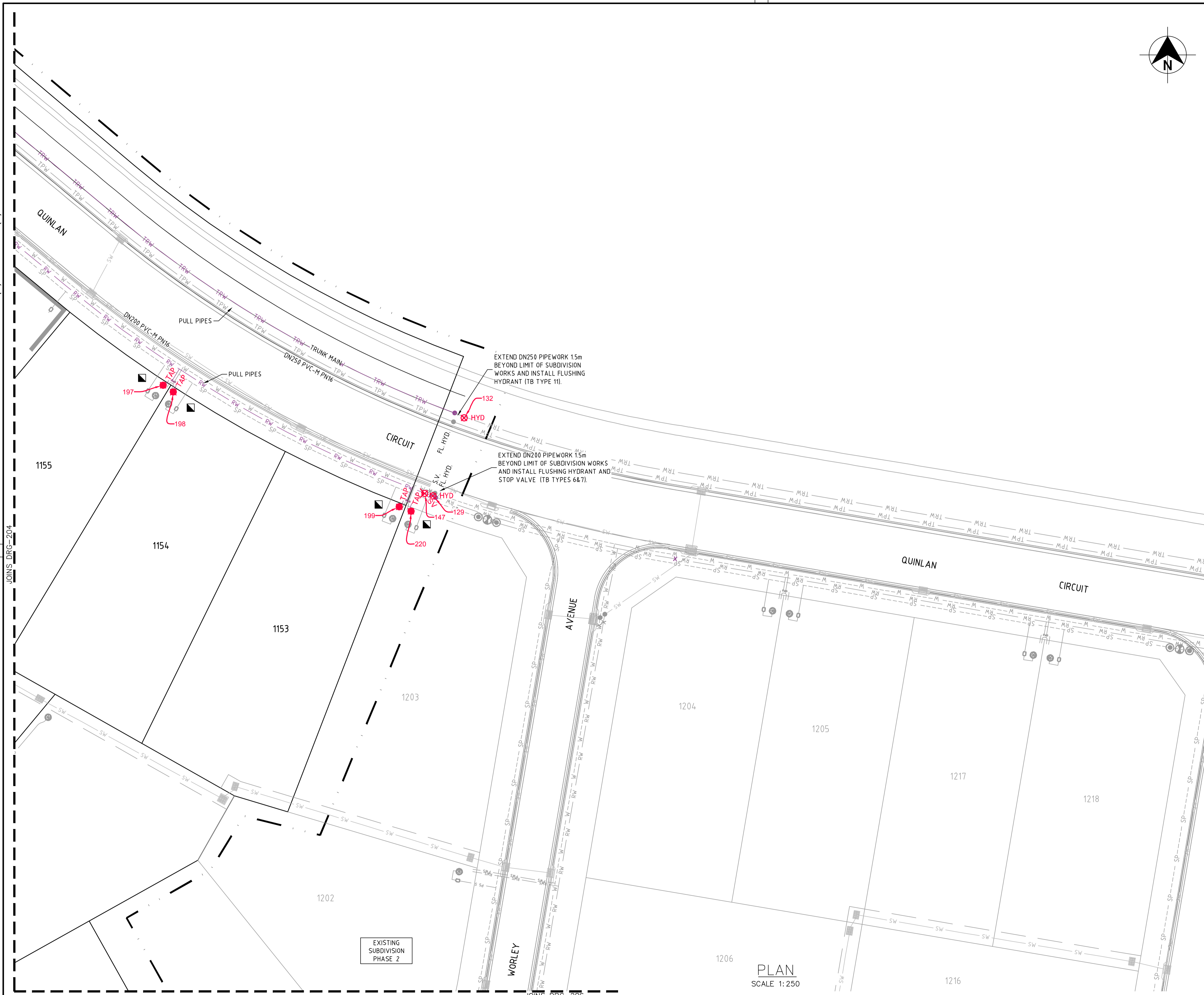
WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	Hunter Office	WATAGAN PARK	POTABLE WATER, RECYCLED WATER AND		239078(5)1	WAC	204	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	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 - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270671 & LOT 82 DP1237780	PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN: SHEET 4 OF 7				
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.									
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.									
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.									
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.									

239078(5)1-WAC-207(5)

JOINS DRG-204

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV --- STOP VALVE
- HYD. --- HYDRANT
- FL HYD. --- FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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	23/10/2023
	REGISTERED SURVEYOR	SIGNED	
		CONSTRUCTION MANAGER	

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System:	MGA Ground
E	3455423.957	MGA Datum:	GDA94
N	6340377.094	MGA Zone:	56
RL	20.139m		

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



WORK AS CONSTRUCTED

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td>A1 / A3</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td>1:250 / 1:500</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		<p>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</p>	<p>CLIENT</p> <p>JOHNSON PROPERTY GROUP</p>	<p>PROPERTY DESCRIPTION</p> <p>WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT</p> <p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p>RECYCLED WATER DETAIL PLAN: SHEET 5 OF 7</p>	<table border="1"> <tr> <td>SURVEYED</td> <td>DATUM</td> <td>PROJECT No.</td> <td>DISCIPLINE</td> <td>NUMBER</td> <td>REV.</td> </tr> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>239078(5)1</td> <td>WAC</td> <td>205</td> <td>5</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	205	5
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																																		
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3																																																																		
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500																																																																		
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																																			
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																																			
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																																			
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																																			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																																																																				
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	205	5																																																																				

239078(5)1-WAC-207(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV. ✖ STOP VALVE
- HYD. ● HYDRANT
- FL HYD. ● FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- - - - PROPOSED EASEMENT
- - - - SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 [Signature] DATE 23/10/2023 SIGNED [Signature] DATE []
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System:	MGA Ground
E	3455423.957	MGA Datum:	GDA94
N	6340377.094	MGA Zone:	56
RL	20.139m		

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023

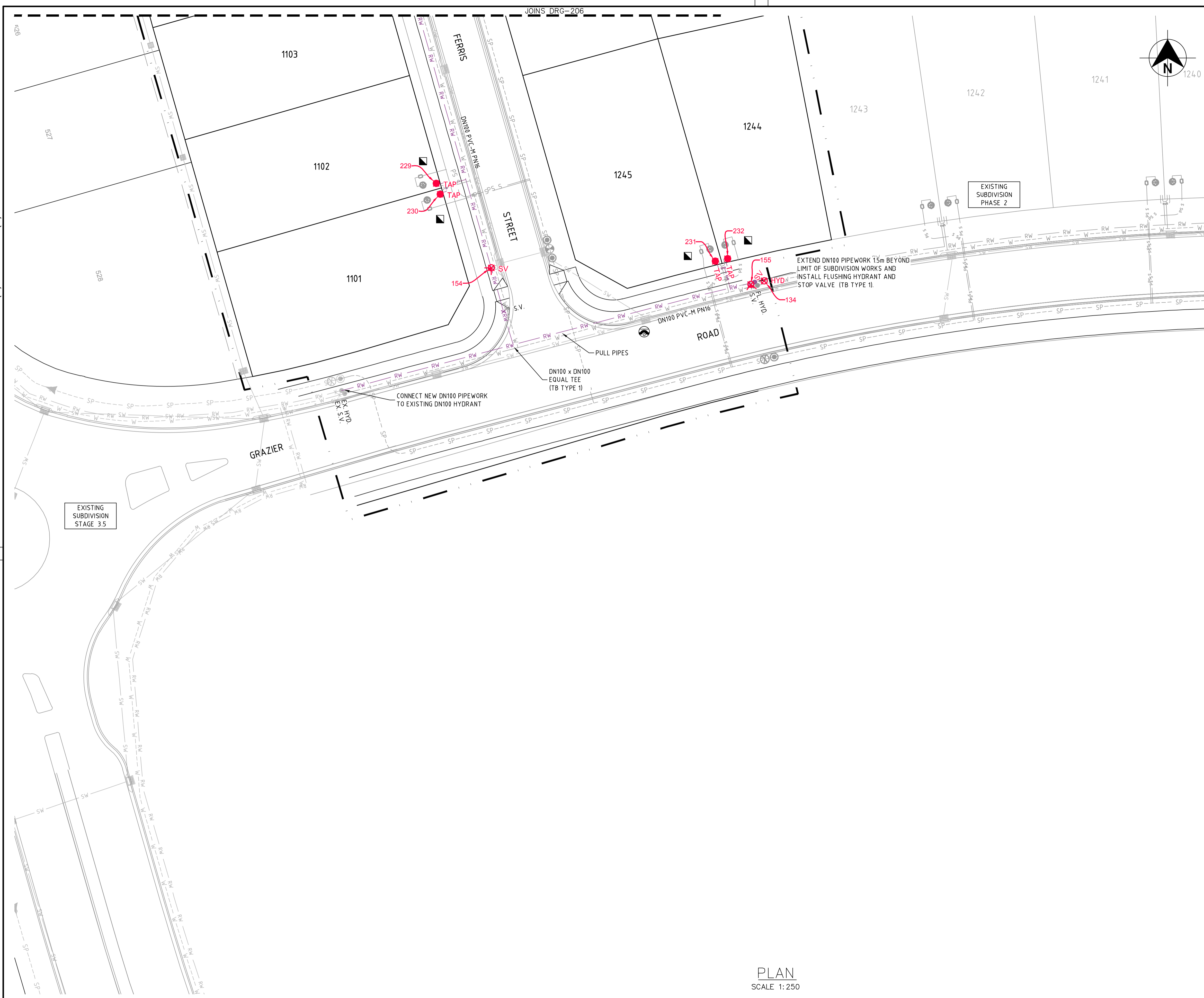


WORK AS CONSTRUCTED

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td>A1 / A3</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td>1:250 / 1:500</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		<p>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</p>	<p>CLIENT</p> <p>JOHNSON PROPERTY GROUP</p>	<p>PROPERTY DESCRIPTION</p> <p>WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT</p> <p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p>RECYCLED WATER DETAIL PLAN: SHEET 6 OF 7</p>	<table border="1"> <tr> <td>SURVEYED</td> <td>DATUM</td> <td>PROJECT No.</td> <td>DISCIPLINE</td> <td>NUMBER</td> <td>REV.</td> </tr> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>239078(5)1</td> <td>WAC</td> <td>206</td> <td>5</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	206	5
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																																		
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3																																																																		
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500																																																																		
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																																			
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																																			
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																																			
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																																			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																																																																				
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	206	5																																																																				

239078(5)1-WAC-207(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- SV. ✖ STOP VALVE
- HYD. ● HYDRANT
- FL HYD. ● FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 76 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 0 x SHORT SIDE
 - 2 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 20 x SHORT SIDE
 - 17 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	690
DN150	PVC-M PN16	70
DN200	PVC-M PN16	492
DN250	PVC-M PN16	111

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 107.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 307.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRGS-403 & 404.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023	SIGNED _____ DATE _____
REGISTERED SURVEYOR	CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533	Co-Ord System: MGA Ground
E: 3455423.957	MGA Datum: GDA94
N: 6340377.094	MGA Zone: 56
RL: 20.139m	

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



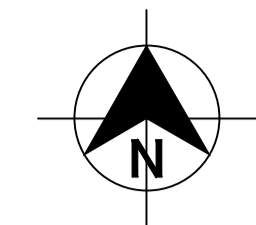
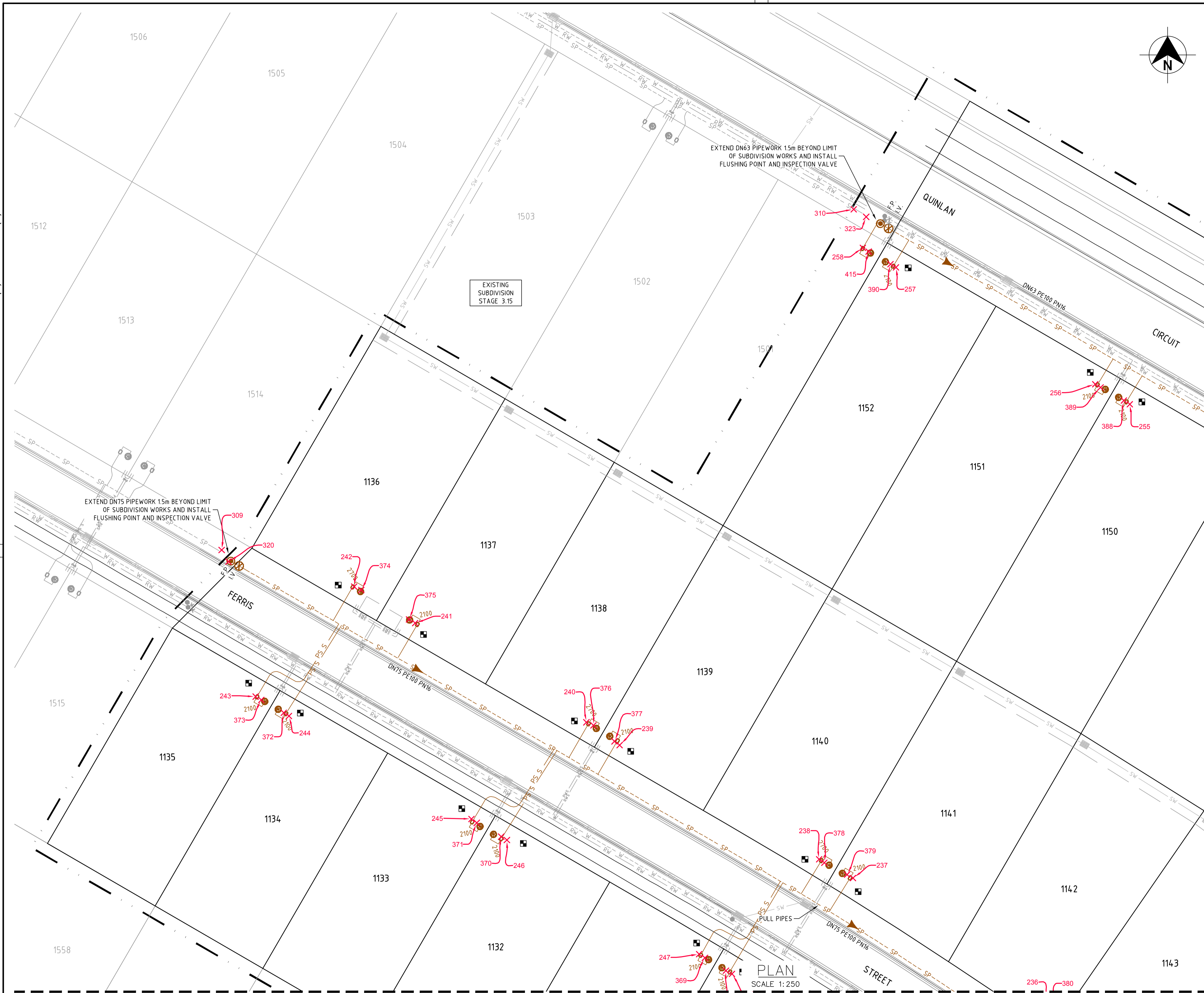
WORK AS CONSTRUCTED

PLAN
SCALE 1: 250

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	0	27.02.2023	FOR CONSTRUCTION	1	09.03.2023	FOR CONSTRUCTION	2	12.05.2023	FOR CONSTRUCTION	3	19.05.2023	FOR CONSTRUCTION	4	01.06.2023	FOR CONSTRUCTION	5	23.10.2023	WORK AS CONSTRUCTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> </tbody> </table>	DRAWN	CHECK	DESIGN	VERIFY	G.S.	M.K.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.H.	M.K.	M.K.	L.S.	C.H.	M.K.	M.K.	I.B.	C.H.	M.K.	M.K.	<p>SCALES</p> <div style="text-align: center;"> <p>A1 / A3 1:250 / 1:500</p> </div>	<div style="text-align: center;"> <p>adw Johnson</p> </div> <p>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</p>	<p>CLIENT</p> <div style="text-align: center;"> <p>JOHNSON PROPERTY GROUP</p> </div>	<p>PROPERTY DESCRIPTION</p> <p style="text-align: center;">WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT</p> <p style="text-align: center;">POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p style="text-align: center;">RECYCLED WATER DETAIL PLAN: SHEET 7 OF 7</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>239078(5)1</td> <td>WAC</td> <td>207</td> <td>5</td> </tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	239078(5)1	WAC	207	5
REV.	DATE	AMENDMENT																																																														
0	27.02.2023	FOR CONSTRUCTION																																																														
1	09.03.2023	FOR CONSTRUCTION																																																														
2	12.05.2023	FOR CONSTRUCTION																																																														
3	19.05.2023	FOR CONSTRUCTION																																																														
4	01.06.2023	FOR CONSTRUCTION																																																														
5	23.10.2023	WORK AS CONSTRUCTED																																																														
DRAWN	CHECK	DESIGN	VERIFY																																																													
G.S.	M.K.	M.K.	M.K.																																																													
G.S.	C.S.	M.K.	M.K.																																																													
G.S.	C.S.	M.K.	M.K.																																																													
G.S.	C.H.	M.K.	M.K.																																																													
L.S.	C.H.	M.K.	M.K.																																																													
I.B.	C.H.	M.K.	M.K.																																																													
PROJECT No.	DISCIPLINE	NUMBER	REV.																																																													
239078(5)1	WAC	207	5																																																													
DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		SURVEYED ADW Johnson		DATUM GDA94 M.G.A. ZONE 56 A.H.D.		PROJECT No. 239078(5)1 - DISCIPLINE WAC - NUMBER 207 - REV. 5																																																								

239078(5)1-WAC-307(5)

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.



- LEGEND**
- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- POTABLE WATER PROPERTY SERVICE
 - RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RECYCLED WATER PROPERTY SERVICE
 - SP S --- PE PRESSURE SEWER RETICULATION
 - PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - EX PW --- EXISTING POTABLE WATER RETICULATION
 - EX RW --- EXISTING RECYCLED WATER RETICULATION
 - EX PS --- EXISTING PRESSURE SEWER RETICULATION
 - SW --- STORMWATER PIPEWORK
 - I.V. --- ISOLATION VALVE
 - F.P. --- FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER TEMPORARY FLOW DIRECTION
 - PRESSURE SEWER FLOW DIRECTION
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 76 CONNECTIONS
 • SERVICES
 -42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
 -34 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM 57533
 E: 3455423.957 Co-Ord System: MGA Ground
 N: 6340377.094 MGA Datum: GDA94
 RL: 20.139m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023

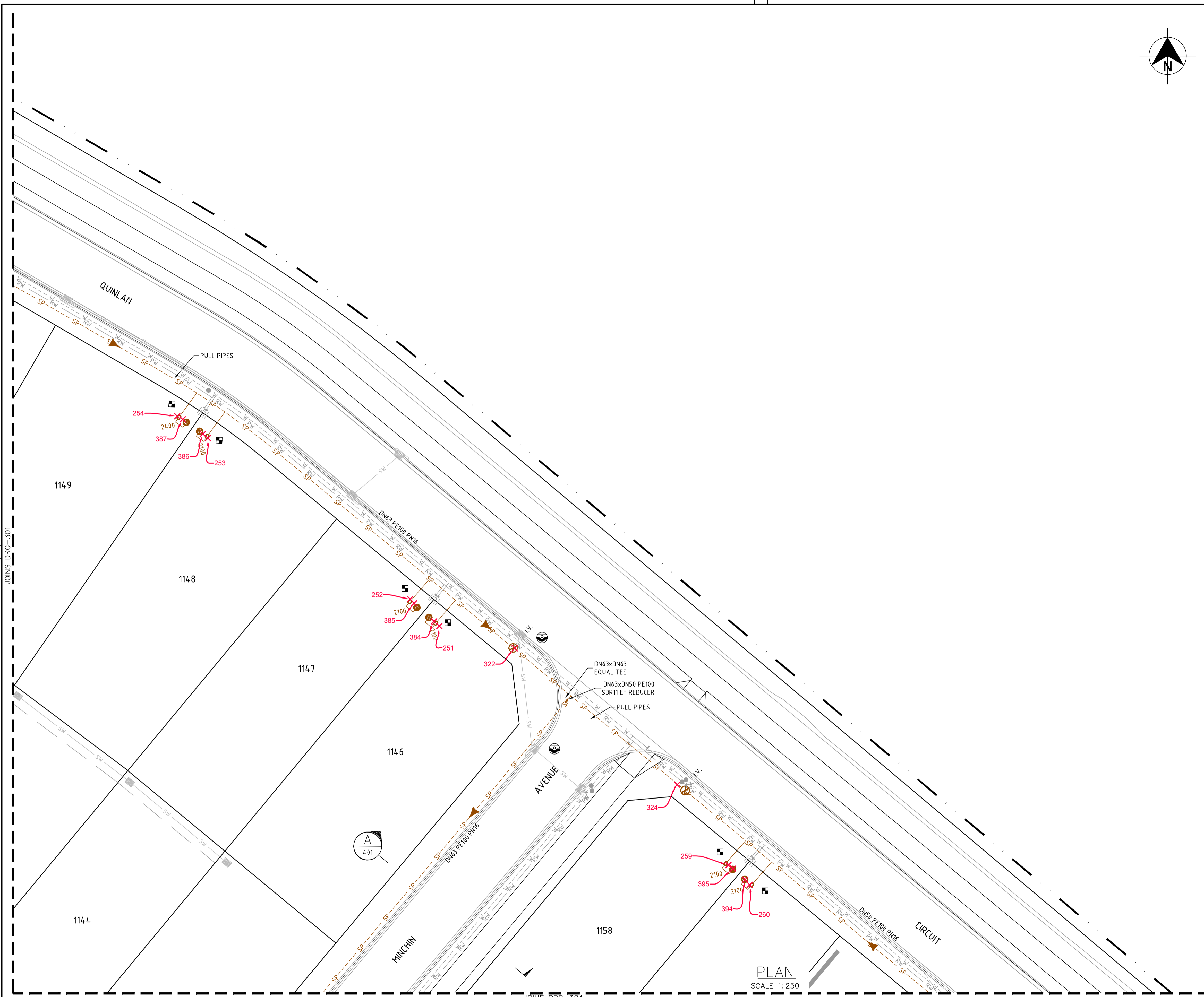


WORK AS CONSTRUCTED

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td>A1 / A3</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td>1:250 / 1:500</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		<p>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</p>	<p>CLIENT JOHNSON PROPERTY GROUP</p>	<p>PROPERTY DESCRIPTION WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780</p>	<p>PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE PRESSURE SEWER DETAIL PLAN: SHEET 1 OF 7</p>	<table border="1"> <tr> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>239078(5)1</td> <td>WAC</td> <td>301</td> <td>5</td> </tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	239078(5)1	WAC	301	5
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																														
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3																																																														
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500																																																														
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																															
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																															
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																															
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																															
PROJECT No.	DISCIPLINE	NUMBER	REV.																																																																		
239078(5)1	WAC	301	5																																																																		
<p>DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg</p>		<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>Plotted By: iainb Plot Date: 01/11/23 - 09:27 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-307(5).dwg</p>																																																																	

239078(5)1-WAC-307(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- I.V. [Symbol] ISOLATION VALVE
- F.P. [Symbol] FLUSHING POINT
- [Symbol] WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- [Symbol] PRESSURE SEWER TEMPORARY FLOW DIRECTION
- [Symbol] PRESSURE SEWER FLOW DIRECTION
- [Symbol] PROPERTY SERVICE CONNECTION
- [Symbol] LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 76 CONNECTIONS
 • SERVICES
 -42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
 -34 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 [Signature] DATE 23/10/2023 SIGNED [Signature] DATE []
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
 E: 3455423.957 Co-Ord System: MGA Ground
 N: 6340377.094 MGA Datum: GDA94
 RL: 20.139m MGA Zone: 56

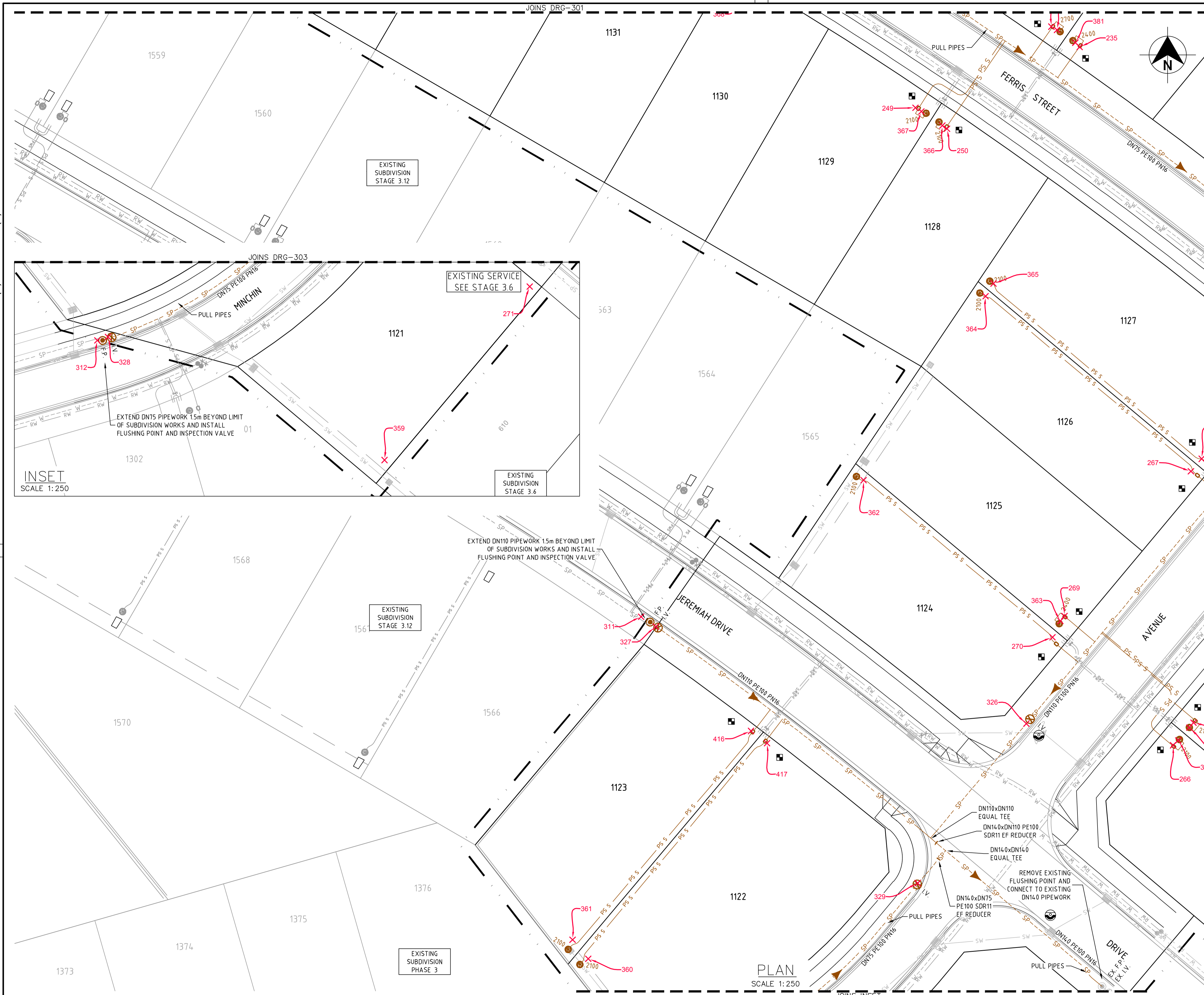
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



WORK AS CONSTRUCTED

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	0	27.02.2023	FOR CONSTRUCTION	1	09.03.2023	FOR CONSTRUCTION	2	12.05.2023	FOR CONSTRUCTION	3	19.05.2023	FOR CONSTRUCTION	4	01.06.2023	FOR CONSTRUCTION	5	23.10.2023	WORK AS CONSTRUCTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> </tbody> </table>	DRAWN	CHECK	DESIGN	VERIFY	G.S.	M.K.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.S.	M.K.	M.K.	G.S.	C.H.	M.K.	M.K.	L.S.	C.H.	M.K.	M.K.	I.B.	C.H.	M.K.	M.K.	<p>SCALES</p> <p style="text-align: center;">0 5 10 A1 / A3 1:250 / 1:500</p>	<p>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</p>	<p>CLIENT</p> <p style="text-align: center;">JOHNSON PROPERTY GROUP</p>	<p>PROPERTY DESCRIPTION</p> <p style="text-align: center;">WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270671 & LOT 82 DP1237780</p>	<p>PROJECT</p> <p style="text-align: center;">POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p>
REV.	DATE	AMENDMENT																																																					
0	27.02.2023	FOR CONSTRUCTION																																																					
1	09.03.2023	FOR CONSTRUCTION																																																					
2	12.05.2023	FOR CONSTRUCTION																																																					
3	19.05.2023	FOR CONSTRUCTION																																																					
4	01.06.2023	FOR CONSTRUCTION																																																					
5	23.10.2023	WORK AS CONSTRUCTED																																																					
DRAWN	CHECK	DESIGN	VERIFY																																																				
G.S.	M.K.	M.K.	M.K.																																																				
G.S.	C.S.	M.K.	M.K.																																																				
G.S.	C.S.	M.K.	M.K.																																																				
G.S.	C.H.	M.K.	M.K.																																																				
L.S.	C.H.	M.K.	M.K.																																																				
I.B.	C.H.	M.K.	M.K.																																																				
<p>DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg</p>		<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>PROJECT No. 239078(5)1 - DISCIPLINE WAC - NUMBER 302 - REV. 5</p>																																																			
<p>Plotted By: iainb Plot Date: 01/11/23 - 09:28 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-307(5).dwg</p>		<p>ADW Johnson</p>		<p>ADW Johnson DATUM GDA94 M.G.A. ZONE 56 A.H.D.</p>																																																			

239078(5)1-WAC-307(5)



LEGEND

- W --- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- SW --- STORMWATER PIPEWORK

I.V. --- ISOLATION VALVE

F.P. --- FLUSHING POINT

--- WASTEWEATER COLLECTION TANK AND BOUNDARY KIT

--- PRESSURE SEWER TEMPORARY FLOW DIRECTION

--- PRESSURE SEWER FLOW DIRECTION

--- PROPERTY SERVICE CONNECTION

--- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H

--- PROPOSED EASEMENT

--- SUBDIVISION STAGE BOUNDARY

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 76 CONNECTIONS
 • SERVICES
 -42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
 -34 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 [Signature] DATE 23/10/2023 SIGNED [Signature] DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System: MGA Ground
E	3455423.957	MGA Datum: GDA94
N	6340377.094	MGA Zone: 56
RL	20.139m	

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



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 the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.	
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.	
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.	

DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg

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

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

JOHNSON PROPERTY GROUP

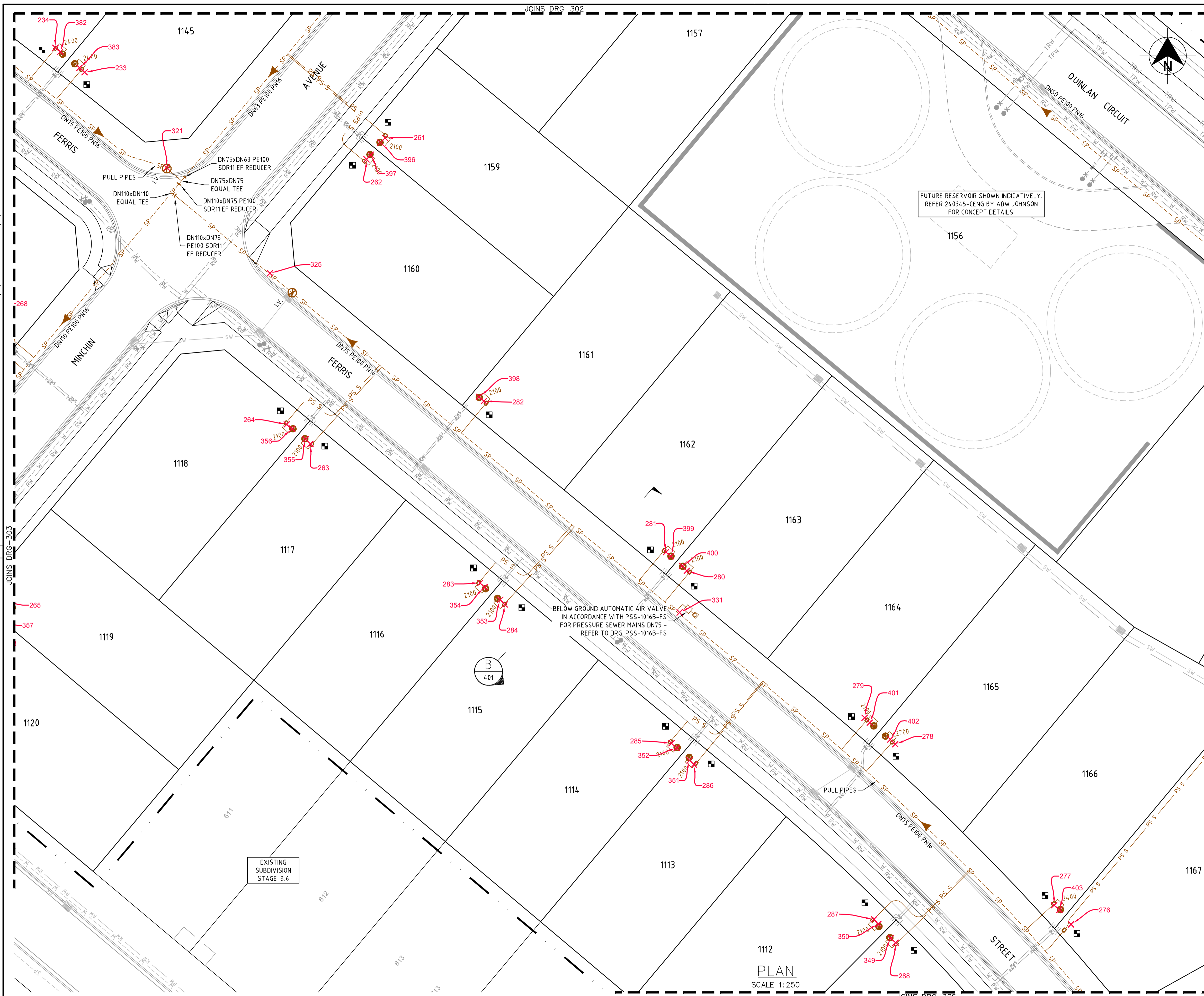
PROPERTY DESCRIPTION

WATAGAN PARK
 PROPOSED SUBDIVISION - PHASE 1
 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
 & PRECINCT NORTH B, STAGES 3 & 6
 LOT 100 DP1270571 & LOT 82 DP127780

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN: SHEET 3 OF 7		
PROJECT No.	DISCIPLINE	NUMBER	REV.
239078(5)1	WAC	303	5

239078(5)1-WAC-307(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK

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

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
TOTAL 76 CONNECTIONS
• SERVICES
-42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
-34 x LONG SIDE

PRESSURE SEWER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
E: 3455423.957 Co-Ord System: MGA Ground
N: 6340377.094 MGA Datum: GDA94
RL: 20.139m MGA Zone: 56

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



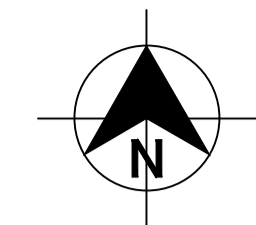
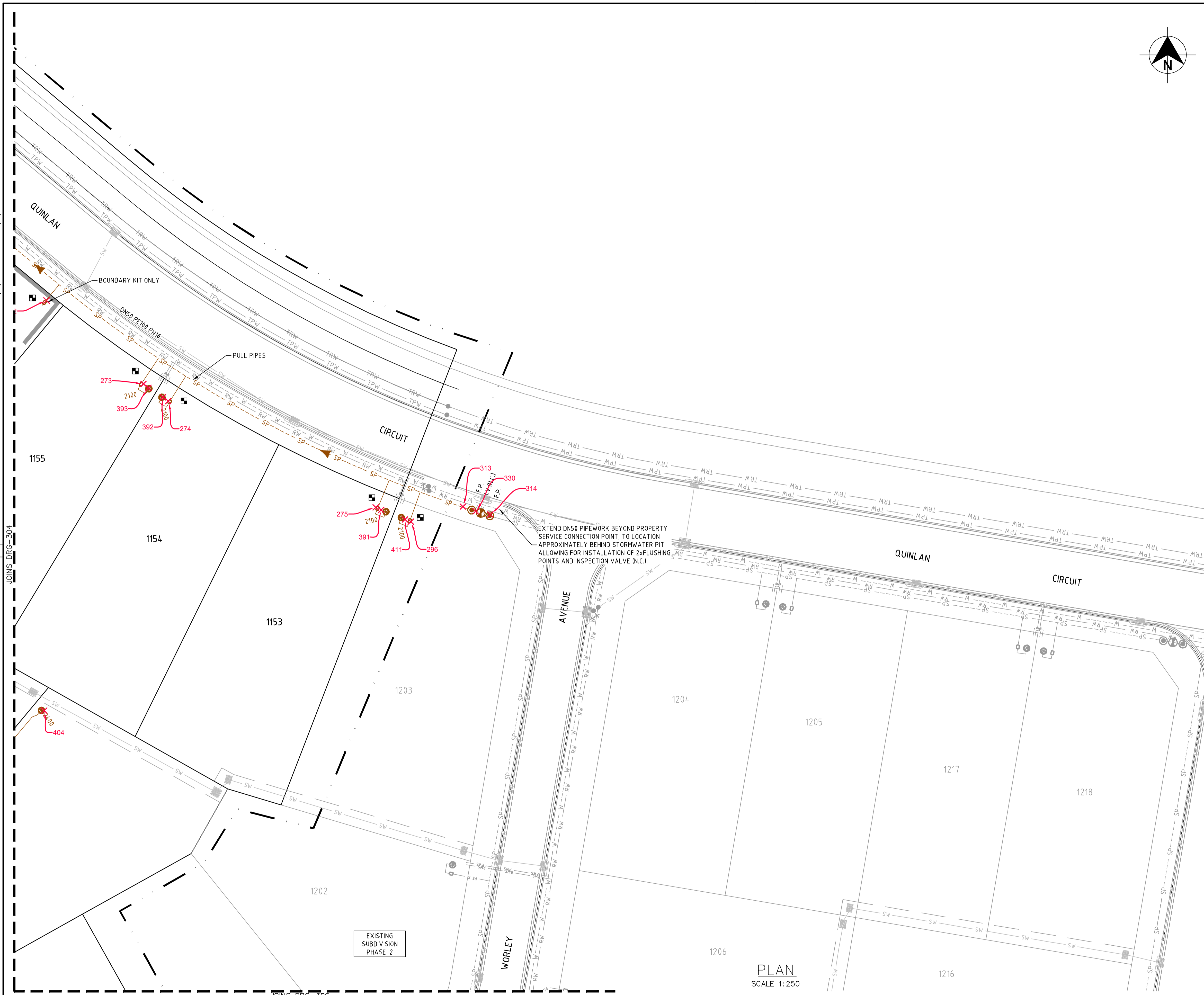
WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	A1 / A3	Hunter Office	WATAGAN PARK	POTABLE WATER, RECYCLED WATER AND		239078(5)1	WAC	304	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	Unit 7/335 Hillsborough Rd	PROPOSED SUBDIVISION - PHASE 1	PRESSURE SEWER RETICULATION	PRESSURE SEWER DETAIL PLAN: SHEET 4 OF 7				
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		Warners Bay N.S.W. 2282	PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16						
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		Phone: (02) 4978 5100	& PRECINCT NORTH B, STAGES 3 & 6						
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		Fax: (02) 4978 5199	LOT 100 DP1270571 & LOT 82 DP127780						
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		email: hunter@adwjohnson.com.au							
								www.adwjohnson.com.au							
								ABN 62 129 445 398							

239078(5)1-WAC-307(5)

JOINS DRG-304

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.



- LEGEND**
- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- POTABLE WATER PROPERTY SERVICE
 - RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RECYCLED WATER PROPERTY SERVICE
 - SP --- PE PRESSURE SEWER RETICULATION
 - PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - EX PW --- EXISTING POTABLE WATER RETICULATION
 - EX RW --- EXISTING RECYCLED WATER RETICULATION
 - EX PS --- EXISTING PRESSURE SEWER RETICULATION
 - SW --- STORMWATER PIPEWORK
 - I.V. --- ISOLATION VALVE
 - F.P. --- FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER TEMPORARY FLOW DIRECTION
 - PRESSURE SEWER FLOW DIRECTION
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**
 TOTAL 76 CONNECTIONS
 • SERVICES
 - 42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
 - 34 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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	23/10/2023
	REGISTERED SURVEYOR	SIGNED	
		DATE	
		CONSTRUCTION MANAGER	

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System:	MGA Ground
E	3455423.957	MGA Datum:	GDA94
N	6340377.094	MGA Zone:	56
RL	20.139m		

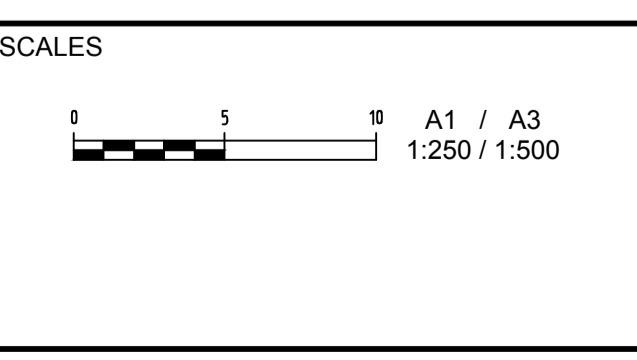
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT
0	27.02.2023	FOR CONSTRUCTION
1	09.03.2023	FOR CONSTRUCTION
2	12.05.2023	FOR CONSTRUCTION
3	19.05.2023	FOR CONSTRUCTION
4	01.06.2023	FOR CONSTRUCTION
5	23.10.2023	WORK AS CONSTRUCTED

DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	M.K.	M.K.	M.K.	A1 / A3
G.S.	C.S.	M.K.	M.K.	1:250 / 1:500
G.S.	C.S.	M.K.	M.K.	
G.S.	C.H.	M.K.	M.K.	
L.S.	C.H.	M.K.	M.K.	
I.B.	C.H.	M.K.	M.K.	



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

JOHNSON PROPERTY GROUP

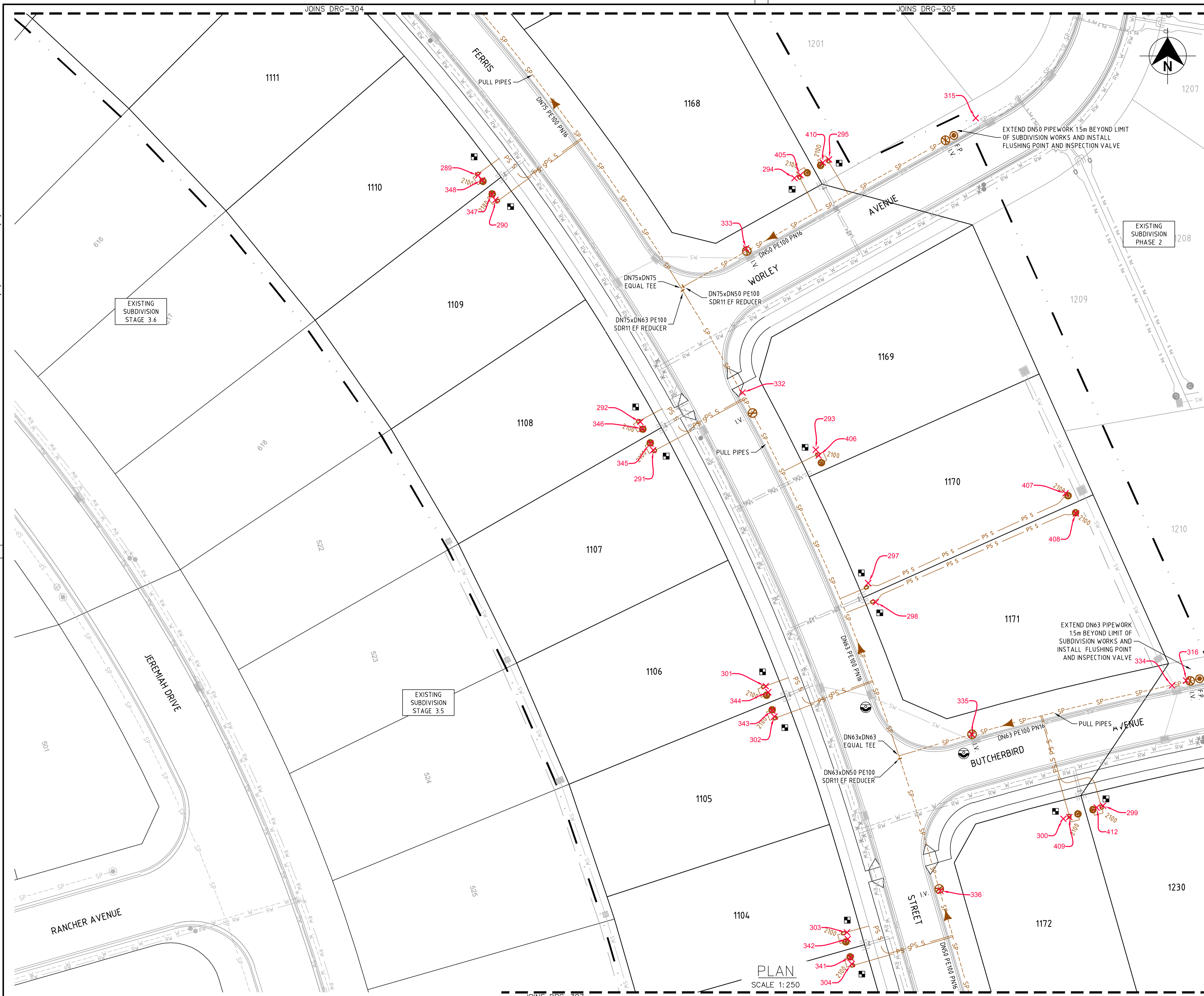
CLIENT

PROPERTY DESCRIPTION
 WATAGAN PARK
 PROPOSED SUBDIVISION - PHASE 1
 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
 & PRECINCT NORTH B, STAGES 3 & 6
 LOT 100 DP1270571 & LOT 82 DP1237780

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN: SHEET 5 OF 7		
PROJECT No.	239078(5)1	DISCIPLINE	WAC
NUMBER	305	REV.	5

239078(5)1-WAC-307(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP S --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK

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

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
TOTAL 76 CONNECTIONS
• SERVICES
- 42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
- 34 x LONG SIDE

PRESSURE SEWER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
E: 3455423.957 Co-Ord System: MGA Ground
N: 6340377.094 MGA Datum: GDA94
RL: 20.139m MGA Zone: 56

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023

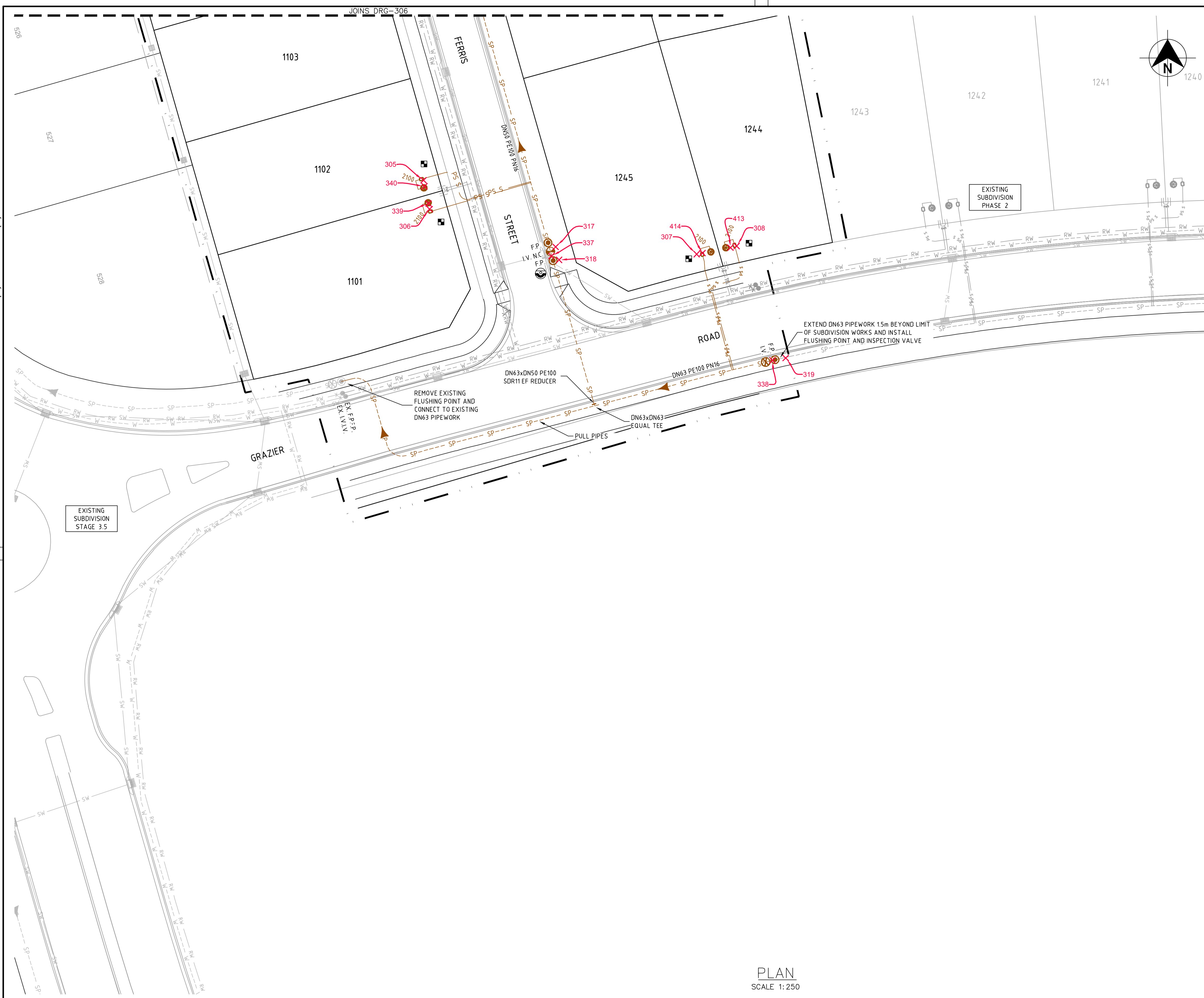


WORK AS CONSTRUCTED

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td>A1 / A3</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> <td>1:250 / 1:500</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> <td></td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.		1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	A1 / A3	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500	3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		<p>adw Johnson</p> <p>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</p>	<p>JOHNSON PROPERTY GROUP</p>	<p>CLIENT</p> <p>PROPERTY DESCRIPTION WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270671 & LOT 82 DP1237780</p>	<p>PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE PRESSURE SEWER DETAIL PLAN: SHEET 6 OF 7</p>	<p>DESIGN FILE N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\X-239078(5)-WAT-DESIGN.dwg</p> <p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p> <p>Plotted By: iainb Plot Date: 01/11/23 - 09:28 Cad File: N:\239078\239078(5)\DWG\Water & Sewer\Phase 1\Phase 1 WAC\239078(5)1-WAC-307(5).dwg</p>	<p>SURVEYED ADW Johnson</p> <p>DATUM GDA94 M.G.A. ZONE 56 A.H.D.</p>	<p>PROJECT No. 239078(5)1</p> <p>DISCIPLINE WAC</p> <p>NUMBER 306</p> <p>REV. 5</p>
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																								
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.																																																									
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	A1 / A3																																																								
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:250 / 1:500																																																								
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																									
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																									
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																									

239078(5)1-WAC-307(5)

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.



LEGEND

- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- POTABLE WATER PROPERTY SERVICE
- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RECYCLED WATER PROPERTY SERVICE
- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- EX PW --- EXISTING POTABLE WATER RETICULATION
- EX RW --- EXISTING RECYCLED WATER RETICULATION
- EX PS --- EXISTING PRESSURE SEWER RETICULATION
- SW --- STORMWATER PIPEWORK
- I.V. --- ISOLATION VALVE
- F.P. --- FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER TEMPORARY FLOW DIRECTION
- PRESSURE SEWER FLOW DIRECTION
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 76 CONNECTIONS
 • SERVICES
 -42 x SHORT SIDE (INCL. BOUNDARY KIT ONLY ON LOT 1156)
 -34 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 PN16	284
DN63	PE100 PN16	379
DN75	PE100 PN16	420
DN110	PE100 PN16	140
DN140	PE100 PN16	32

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 101 TO 107.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS - 201 TO 207.
 - FOR TYPICAL PROPERTY CONNECTION DETAILS REFER TO DRGS - 403 & 404.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-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).**

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM	57533	Co-Ord System: MGA Ground
E	3455423.957	MGA Datum: GDA94
N	6340377.094	MGA Zone: 56
RL	20.139m	

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



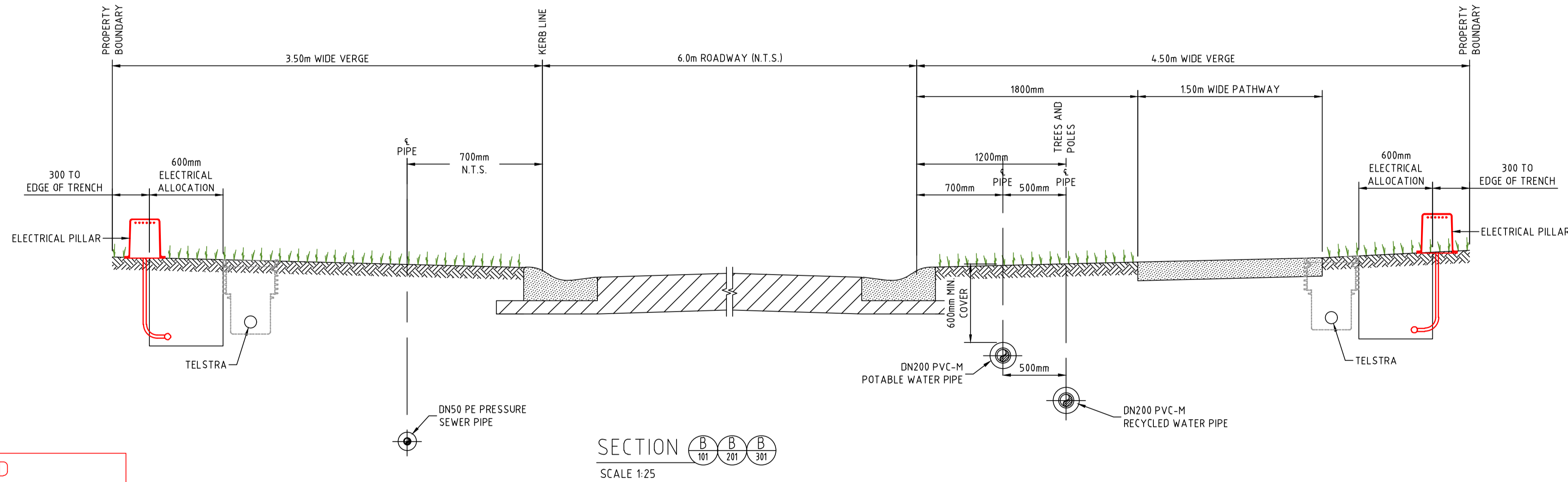
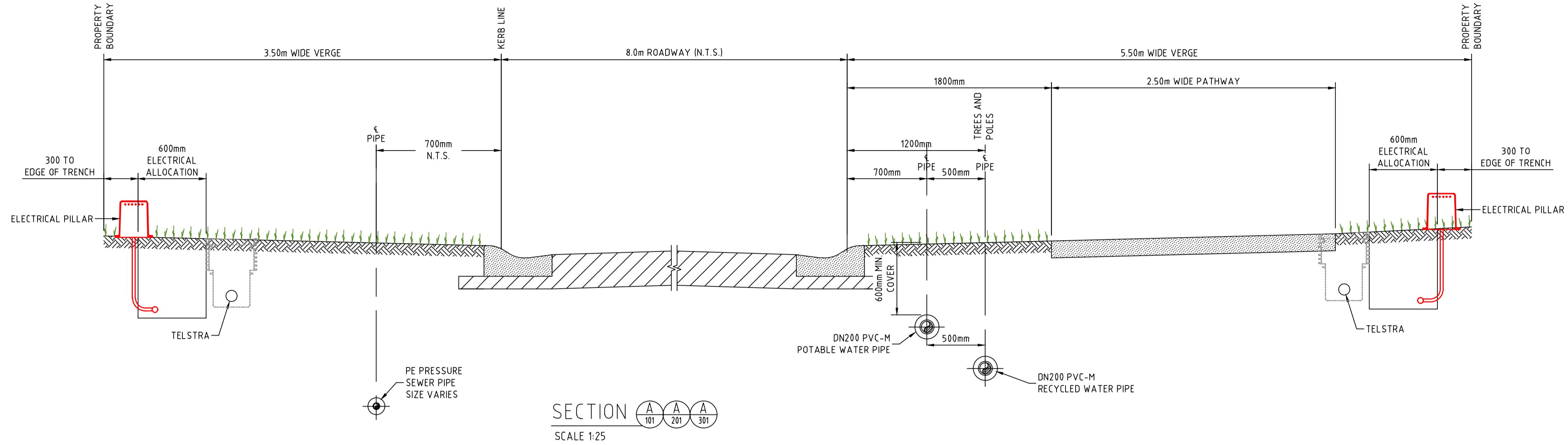
WORK AS CONSTRUCTED

PLAN
SCALE 1:250

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>27.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>M.K.</td> <td>M.K.</td> <td>M.K.</td> <td rowspan="5"> A1 / A3 1:250 / 1:500 </td> </tr> <tr> <td>1</td> <td>09.03.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>2</td> <td>12.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>3</td> <td>19.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>4</td> <td>01.06.2023</td> <td>FOR CONSTRUCTION</td> <td>L.S.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> <tr> <td>5</td> <td>23.10.2023</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>C.H.</td> <td>M.K.</td> <td>M.K.</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	 A1 / A3 1:250 / 1:500	1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.	4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.	5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.	<p>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</p>	<p>CLIENT</p>	<p>PROPERTY DESCRIPTION</p> WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	<p>PROJECT</p> POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION <p>PLAN TITLE</p> PRESSURE SEWER DETAIL PLAN: SHEET 7 OF 7	<table border="1"> <tr> <td>SURVEYED</td> <td>DATUM</td> <td>PROJECT No.</td> <td>DISCIPLINE</td> <td>NUMBER</td> <td>REV.</td> </tr> <tr> <td>ADW Johnson</td> <td>GDA94 M.G.A. ZONE 56 A.H.D.</td> <td>239078(5)1</td> <td>WAC</td> <td>307</td> <td>5</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	307	5
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES																																																													
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	 A1 / A3 1:250 / 1:500																																																													
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																														
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.																																																														
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.																																																														
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.																																																														
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.																																																														
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																																																															
ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	307	5																																																															

239078(5)1-WAC-401(5)

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
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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
 SIGNED: [Signature] DATE: 23/10/2023
 REGISTERED SURVEYOR

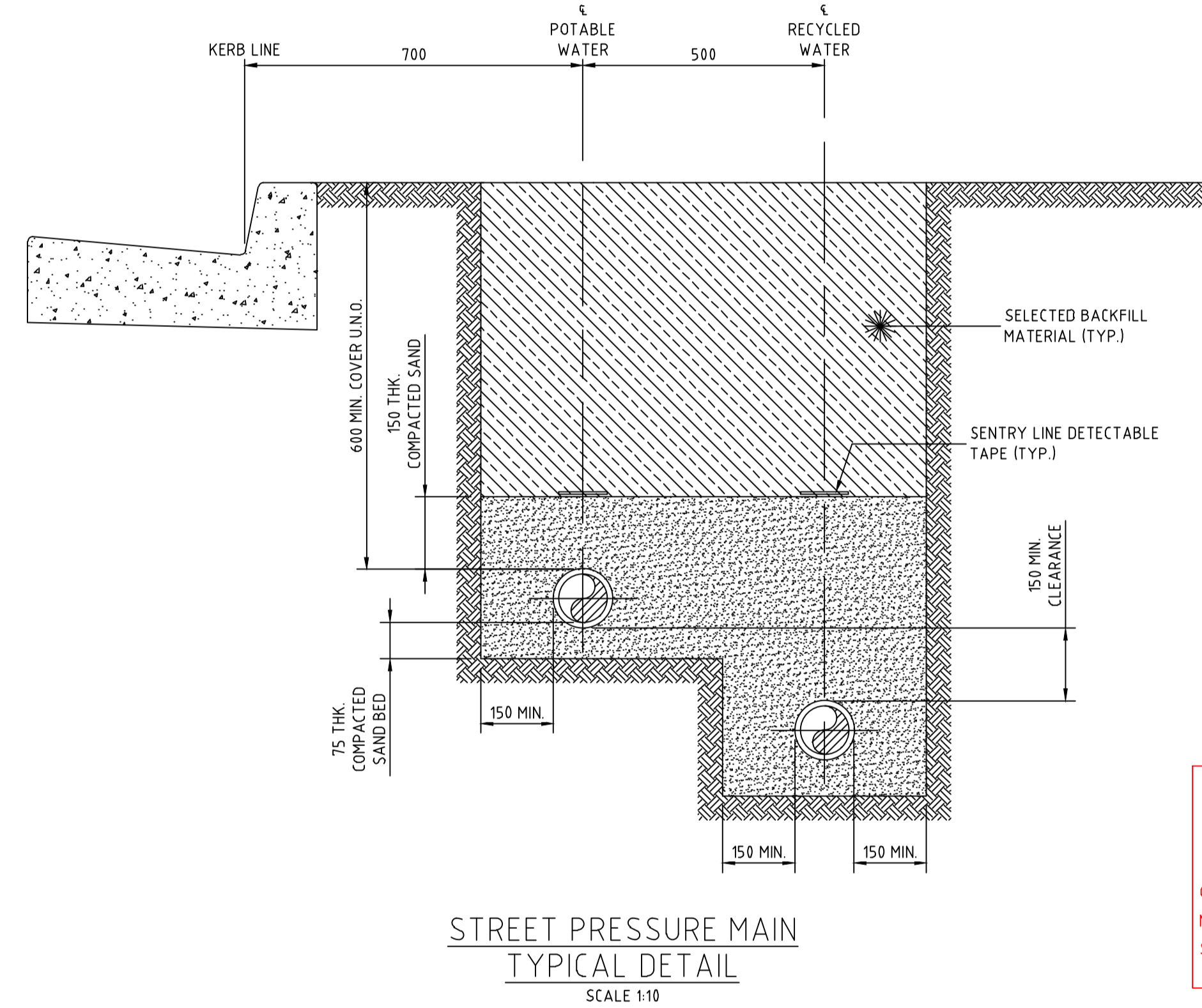
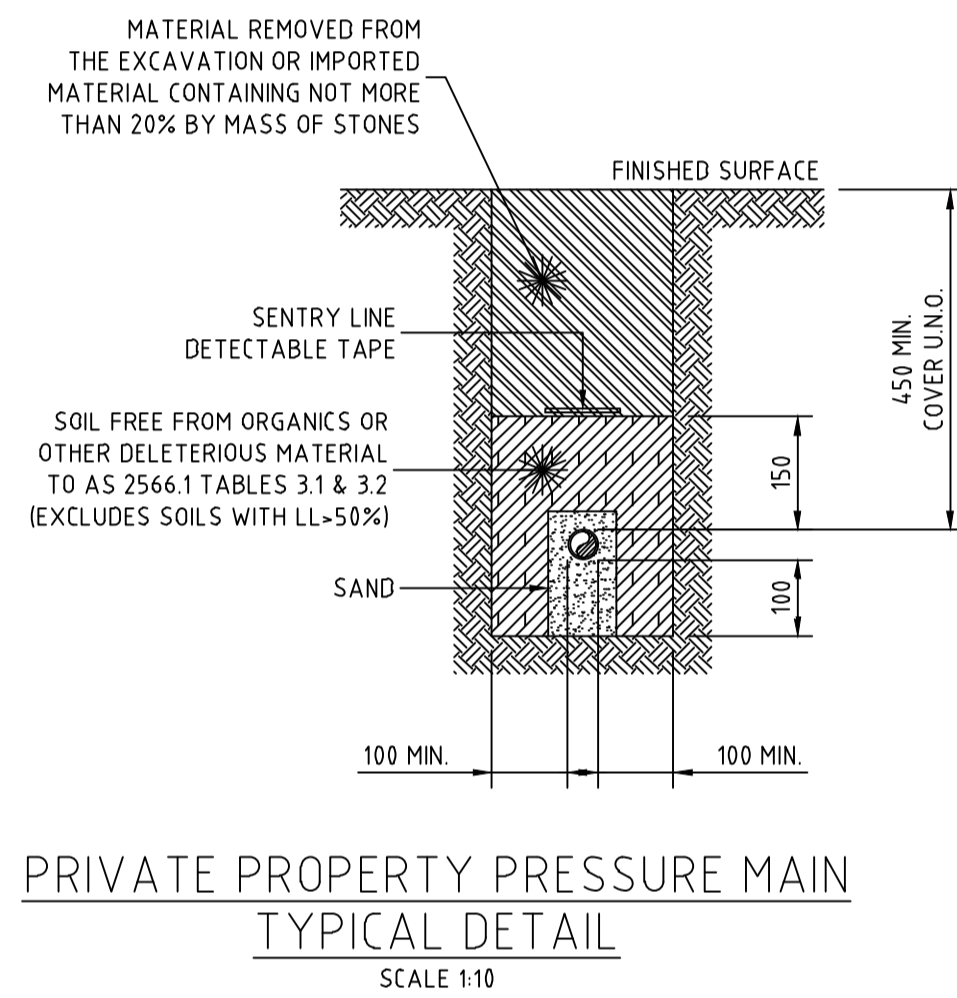
ORIGIN OF W.A.C. LEVELS
 PM: 57533
 E: 3455423.957
 N: 6340377.094
 RL: 20.139m
 Co-Ord System: MGA Ground
 MGA Datum: GDA94
 MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	 ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE	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	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL CROSS SECTIONS: A & B	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	401	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.											
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.											
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.											
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.											
5	23.10.2023	WORK AS CONSTRUCTED	L.B.	C.H.	M.K.	M.K.		ADW Johnson	239078(5)1 - WAC - 401 - 5								



WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 23/10/2023 SIGNED DATE
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533 Co-Ord System: MGA Ground
E: 3455423.957 MGA Datum: GDA94
N: 6340377.094 MGA Zone: 56
RL: 20.139m

**APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd**
Date Approved: 27-02-2023

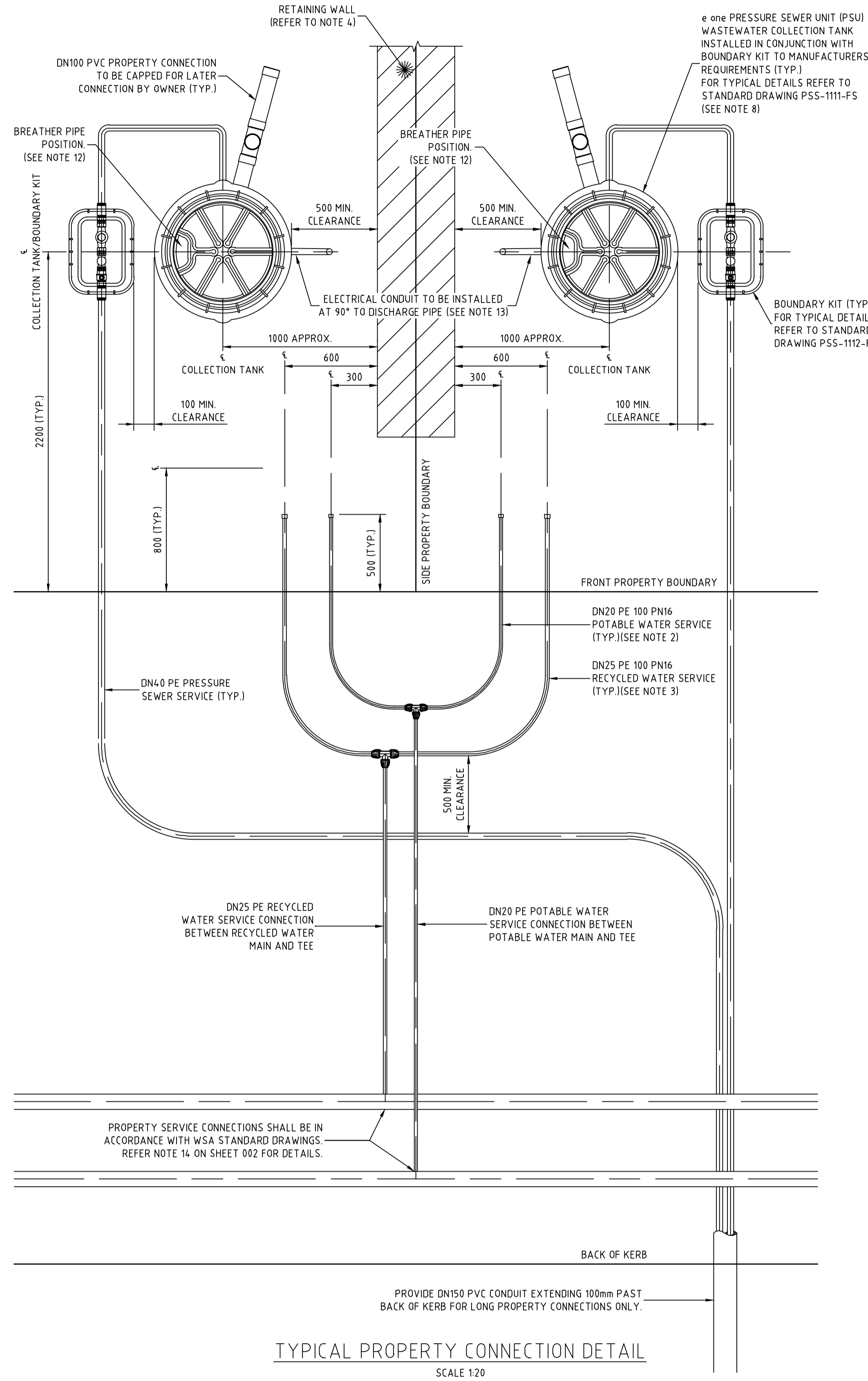


WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	0 0.1 0.2 0.3 0.4 A1 / A3	Hunter Office	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PIPEWORK TRENCHING DETAILS	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	402	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:10 / 1:20	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									
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.											
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.											
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.											
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.											

239078(5)1-WAC-404(5)

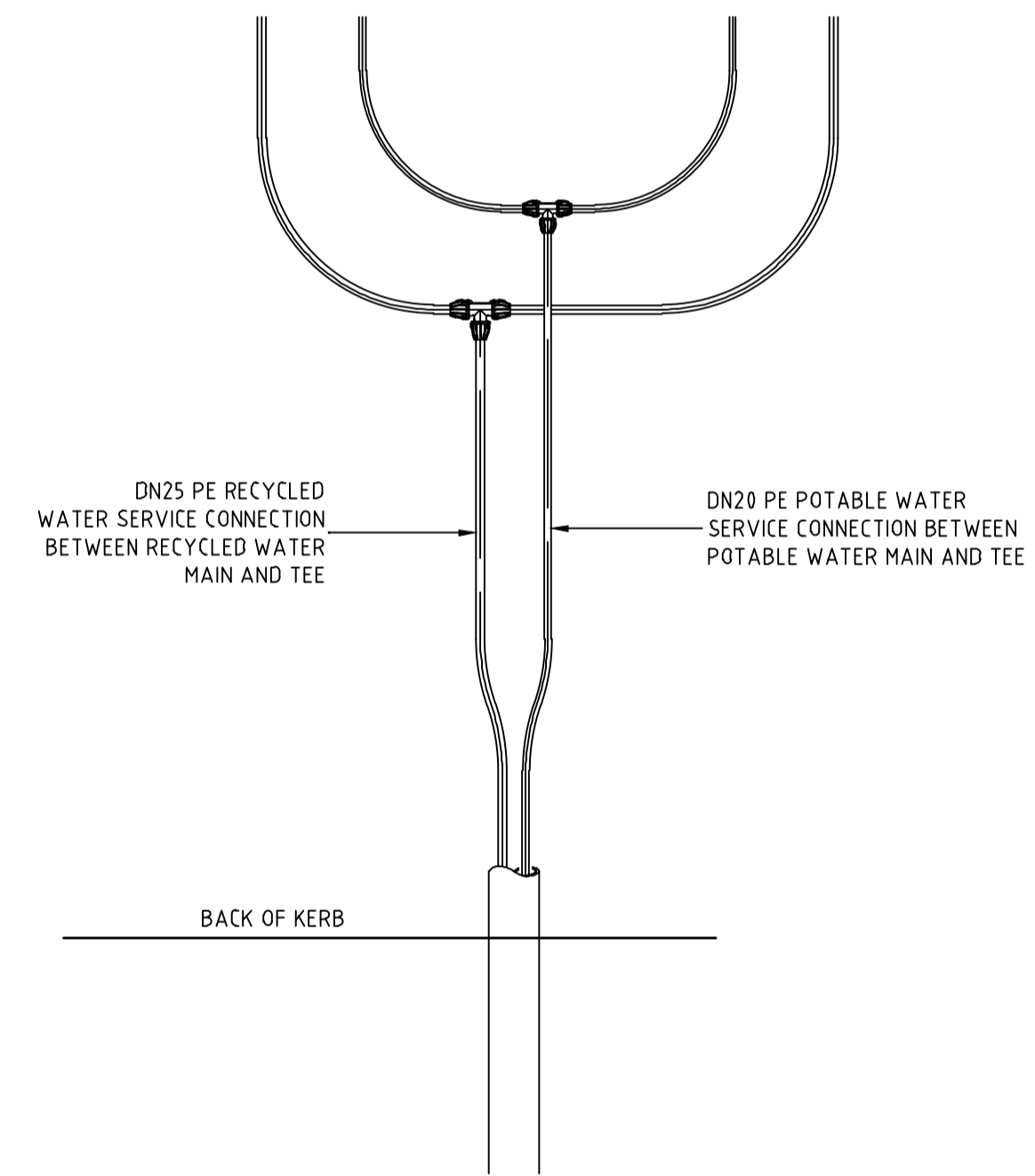
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy, you do not have all of the information. This note is coloured RED.



TYPICAL PROPERTY CONNECTION DETAIL
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 2150mm CLEARANCE FROM BUILDING STRUCTURES.
- Ø25 ELECTRICAL CONDUIT IS TO EXTEND FROM CONNECTION WITH PRESSURE SEWER UNIT (PSU) TO NOM. 500mm INSIDE PROPERTY BOUNDARY AND BE CAPPED. ELECTRICAL CONDUIT IS TO BE HEAVY DUTY ORANGE. INSTALL IN ACCORDANCE AS3000 AT MIN 500mm COVER. 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 AS3000 AT MIN 500mm COVER. ELECTRICAL GROMMET SUPPLIED WITH TANK AND LOCATED LOOSE WITHIN TANK. Ø25 CC 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.



TYPICAL POTABLE WATER AND RECYCLED WATER CONDUIT DETAIL (LONG SIDE)
SCALE 1:20

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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
SIGNED *B. Randall* DATE 23/10/2023 REGISTERED SURVEYOR

COMPANY
NAME
SIGNED _____ DATE _____ CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
E: 3455423.957
N: 6340377.094
RL: 20.139m

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

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



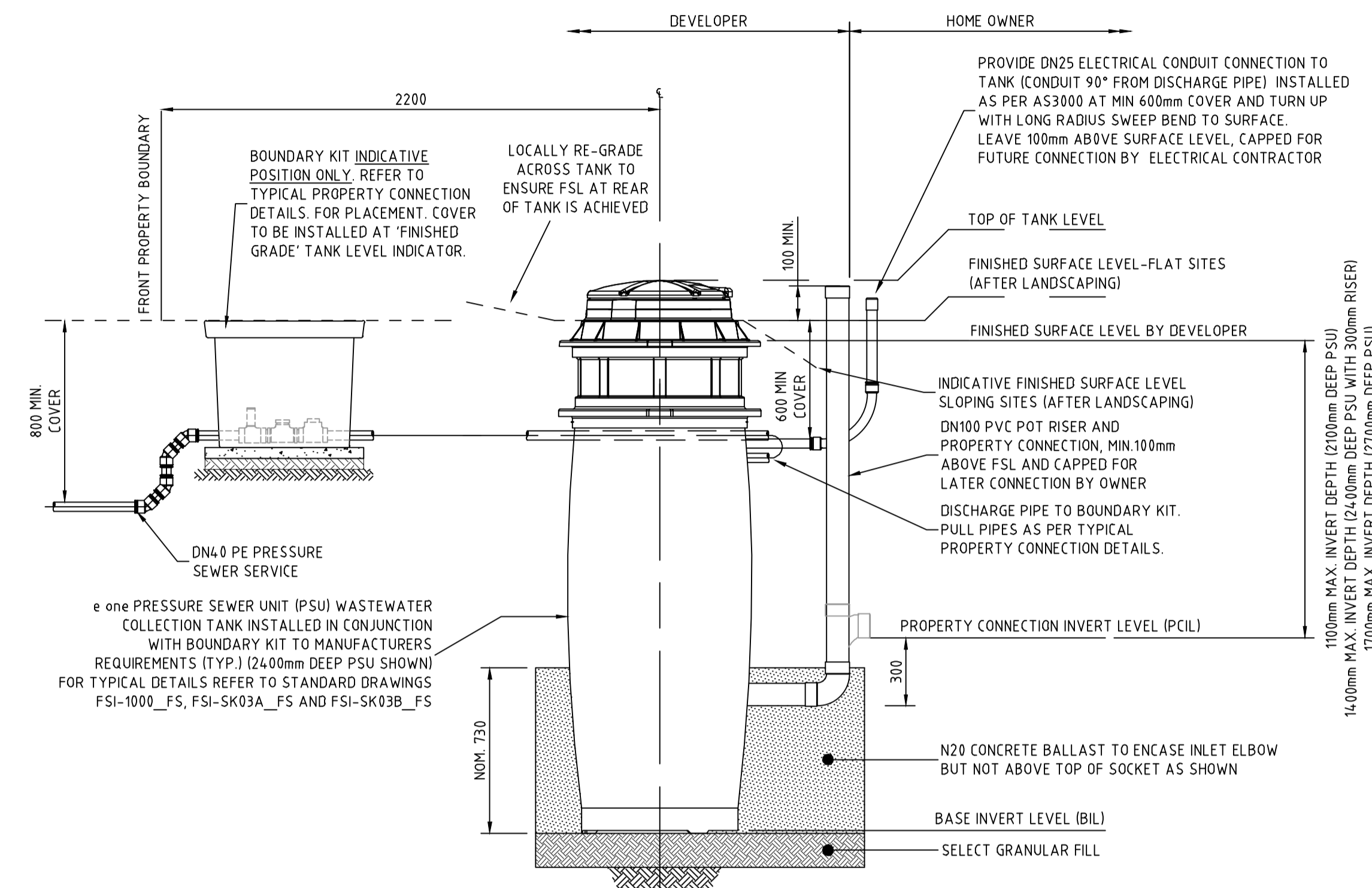
WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	0 0.4 0.8 A1 / A3	Hunter Office	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP1237780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PROPERTY CONNECTION: SHEET 2 OF 2	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	404	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.	1:20 / 1:40	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									
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.											
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.											
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.											
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.											

239078(5)1-WAC-405(5)

WASTEWATER COLLECTION TANK DETAILS

LOT NUMBER	TOP OF TANK	TANKS FSL	BASE IL	PROPERTY CONNECTION IL	TANK HEIGHT	TANK LOCATION	EASTING	NORTHING	TOP OF COLLECTION TANK LID	CALCULATED WAC SANITARY DRAINAGE INVERT LEVEL	WAC V'S DESIGN INVERT LEVEL COMPARISON	
1101	4.182	4.169	39.69	40.59	2100	FRONT BATTER	355877.80	6341321.80	4.1938	4.062	0.03	
1102	4.183	4.170	39.70	40.60	2100	FRONT BATTER	355877.25	6341323.72	4.1937	4.062	0.02	
1103	4.212	4.199	39.99	40.89	2100	FRONT BATTER	355869.55	6341350.65	4.2220	4.091	0.02	
1104	4.214	4.201	40.01	40.91	2100	FRONT BATTER	355869.00	6341352.57	4.2202	4.089	-0.02	
1105	4.244	4.231	40.31	41.21	2100	FRONT BATTER	355859.52	6341382.41	4.2572	4.126	0.05	
1106	4.241	4.228	40.28	41.18	2100	FRONT	355858.81	6341384.28	4.2615	4.130	0.12	
1107	4.339	4.326	41.26	42.16	2100	FRONT BATTER	355843.85	6341416.71	4.3466	4.215	-0.01	
1108	4.344	4.331	41.31	42.21	2100	FRONT BATTER	355842.90	6341418.46	4.3516	4.220	-0.01	
1109	4.462	4.449	42.49	43.39	2100	FRONT BATTER	355823.54	6341448.71	4.4764	4.345	0.06	
1110	4.466	4.453	42.53	43.43	2100	FRONT BATTER	355822.35	6341450.32	4.4786	4.347	0.04	
1111	4.512	4.499	42.99	43.89	2100	FRONT	355797.55	6341479.13	4.5343	4.403	0.14	
1112	4.515	4.502	43.02	43.92	2100	FRONT	355796.14	6341480.55	4.5282	4.397	0.05	
1113	4.548	4.535	43.35	44.25	2100	FRONT	355771.75	6341502.28	4.5577	4.426	0.01	
1114	4.550	4.537	43.37	44.27	2100	FRONT	355770.21	6341503.56	4.5674	4.436	0.09	
1115	4.549	4.536	43.36	44.26	2100	FRONT	355747.12	6341522.71	4.5671	4.436	0.10	
1116	4.546	4.533	43.33	44.23	2100	FRONT	355745.58	6341523.99	4.5601	4.429	0.06	
1117	4.490	4.477	42.77	43.67	2100	FRONT	355722.35	6341543.26	4.5051	4.374	0.07	
1118	4.491	4.478	42.78	43.68	2100	FRONT BATTER	355720.81	6341544.53	4.5071	4.376	0.08	
1119	4.476	4.463	42.63	43.53	2100	FRONT BATTER	355682.41	6341522.02	4.4858	4.354	0.01	
1120	4.476	4.463	42.63	43.53	2100	FRONT BATTER	355681.13	6341520.48	4.4824	4.351	-0.02	
1121	INSTALLED IN STAGE 3.6						INSTALLED IN STAGE 3.6					
1122	4.207	4.194	39.94	40.84	2100	REAR	355604.06	6341491.57	4.2307	4.099	0.15	
1123	4.167	4.154	39.54	40.44	2100	REAR	355602.56	6341493.51	4.1827	4.051	0.07	
1124	4.356	4.343	41.43	42.33	2100	REAR	355639.61	6341554.28	4.3715	4.240	0.07	
1125	4.421	4.408	41.78	42.68	2400	FRONT	355665.68	6341535.37	4.4319	4.270	0.02	
1126	4.377	4.364	41.64	42.54	2100	REAR	355655.47	6341577.86	4.4041	4.273	0.19	
1127	4.385	4.372	41.72	42.62	2100	REAR	355656.76	6341579.39	4.3975	4.266	0.04	
1128	4.271	4.258	40.58	41.48	2100	FRONT BATTER	355650.22	6341599.85	4.2960	4.141	-0.07	
1129	4.220	4.207	40.07	40.97	2100	FRONT	355648.57	6341600.97	4.2350	4.080	-0.17	
1130	4.091	4.078	38.78	39.68	2100	FRONT BATTER	355623.01	6341617.30	4.1121	39.81	0.13	
1131	4.040	4.027	38.27	39.17	2100	FRONT	355621.29	6341618.32	4.0560	39.25	0.08	
1132	39.06	38.93	36.93	37.83	2100	FRONT BATTER	355593.64	6341634.43	39.145	37.83	0.00	
1133	38.55	38.42	37.32	38.22	2100	FRONT	355591.91	6341635.43	38.709	37.39	0.07	
1134	37.27	37.14	35.14	36.04	2100	FRONT BATTER	355565.96	6341650.50	37.465	36.15	0.11	
1135	36.79	36.66	34.66	35.56	2100	FRONT	355564.24	6341651.50	36.887	35.57	0.01	
1136	36.98	36.85	34.55	35.45	2400	FRONT	355576.54	6341665.63	37.118	35.50	0.05	
1137	37.61	37.48	35.48	36.38	2100	FRONT	355582.86	6341661.96	37.708	36.39	0.01	
1138	38.69	38.56	35.96	36.86	2700	FRONT BATTER	355606.86	6341648.03	38.722	36.81	-0.05	
1139	39.14	39.01	37.01	37.91	2100	FRONT BATTER	355608.58	6341647.03	39.233	37.92	0.01	
1140	40.53	40.40	37.80	38.70	2700	FRONT BATTER	355636.78	6341630.46	40.664	38.75	0.05	
1141	40.94	40.81	38.81	39.71	2100	FRONT	355638.48	6341629.41	41.211	39.90	0.19	
1142	42.39	42.26	39.66	40.56	2700	FRONT BATTER	355665.79	6341611.46	42.520	40.61	0.05	
1143	42.79	42.66	40.36	41.26	2400	FRONT	355667.43	6341610.31	42.983	41.37	0.11	
1144	43.90	43.77	41.47	42.37	2400	FRONT	355691.20	6341592.68	44.084	42.47	0.10	
1145	44.24	44.11	41.81	42.71	2400	FRONT BATTER	355692.78	6341591.45	44.420	42.81	0.10	
1146	43.18	43.05	41.05	41.95	2100	FRONT BATTER	355738.16	6341646.16	43.276	41.96	0.01	
1147	42.96	42.83	40.83	41.73	2100	FRONT BATTER	355736.62	6341647.44	43.039	41.72	-0.01	
1148	41.51	41.38	39.38	40.28	2100	FRONT BATTER	355708.75	6341670.07	41.578	40.26	-0.02	
1149	41.24	41.11	39.11	40.01	2100	FRONT BATTER	355707.02	6341671.20	41.273	39.96	-0.05	
1150	39.68	39.55	37.55	38.45	2100	FRONT BATTER	355674.00	6341690.57	39.749	38.43	-0.02	
1151	39.43	39.30	37.30	38.20	2100	FRONT BATTER	355672.28	6341691.59	39.459	38.14	-0.06	
1152	38.07	37.94	35.94	36.84	2100	FRONT BATTER	355644.01	6341707.99	38.120	36.81	-0.04	
1153	40.10	39.97	37.97	38.87	2100	FRONT BATTER	355887.42	6341533.12	40.239	38.92	0.05	
1154	41.09	40.96	38.96	39.86	2100	FRONT BATTER	355858.61	6341547.84	41.156	39.84	-0.02	
1155	41.14	41.01	39.01	39.91	2100	FRONT BATTER	355856.93	6341548.93	41.206	39.89	-0.02	
1156	NO TANK REQUIRED- INSTALL BOUNDARY KIT ONLY						NO TANK REQUIRED					
1157	4.365	4.352	41.52	42.42	2100	FRONT	355778.71	6341612.53	4.3773	4.246	0.04	
1158	4.366	4.353	41.53	42.43	2100	FRONT	355777.17	6341613.81	4.3820	4.251	0.08	
1159	4.469	4.456	42.56	43.46	2100	FRONT	355732.01	6341581.34	4.4864	4.355	0.09	
1160	4.471	4.458	42.58	43.48	2100	FRONT	355730.73	6341579.80	4.4827	4.351	0.03	
1161	4.511	4.498	42.98	43.88	2100	FRONT	355744.77	6341548.56	4.5296	4.398	0.10	
1162	4.542	4.529	43.29	44.19	2100	FRONT	355769.40	6341528.14	4.5599	4.428	0.09	
1163	4.542	4.529	43.29	44.19	2100	FRONT	355770.93	6341526.85	4.5586	4.427	0.08	
1164	4.536	4.523	43.23	44.13	2100	FRONT BATTER	355795.49	6341506.35	4.5484	4.417	0.04	
1165	4.512	4.499	42.99	43.89	2700	FRONT	355796.99	6341505.02	4.5290	4.338	0.09	
1166	4.484	4.471	42.41	43.31	2400	FRONT	355819.47	6341482.73	4.4962	4.335	0.04	
1167	4.389	4.376	41.46	42.36	2400	REAR	355843.13	6341507.59	4.4029	4.241	0.05	
1168	4.303	4.290	40.90	41.80	2100	FRONT BATTER	355864.02	6341451.42	4.3231	4.192	0.12	
1169	4.265	4.252	40.52	41.42	2100	FRONT	355865.85	6341414.16	4.2722	4.141	-0.01	
1170	4.131	4.118	39.18	40.08	2100	REAR	355897.55	6341409.92	4.1454	4.014	0.06	
1171	4.091	4.078	38.78	39.68	2100	REAR	355898.53	6341407.73	4.1232	39.92	0.24	
1172	4.156	4.143	39.43	40.33	2100	FRONT BATTER	355898.83	6341369.02	4.1672	4.036	0.03	
1201	4.253	4.240	40.40	41.30	2100	FRONT	355865.74	6341452.38	4.2613	4.130	0.00	
1203	39.86	39.73	37.73	38.63	2100	FRONT BATTER	355889.38	6341532.38	40.070	38.76	0.13	
1230	4.110	4.097	38.97	39.87	2100	FRONT BATTER	355900.75	6341369.57	4.1124	39.81	-0.06	
1244	4.060	4.047	38.47	39.37	2100	FRONT BATTER	355916.07	6341316.03	4.0869	39.55	0.18	
1245	4.105	4.092	38.92	39.82	2100	FRONT BATTER	355914.14	6341315.49	4.1239	39.92	0.10	



PRESSURE SEWER SERVICE CONNECTION
TYPICAL SECTIONAL ELEVATION
SCALE 1:20

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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 [Signature] DATE 23/10/2023 SIGNED [Signature] DATE / /
REGISTERED SURVEYOR CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023

ORIGIN OF W.A.C. LEVELS
PM 57533 Co-Ord System: MGA Ground
E: 3655423.957 MGA Datum: GDA94
N: 6340377.094 MGA Zone: 56
RL: 20.139m

WASTEWATER COLLECTION TANK COUNT

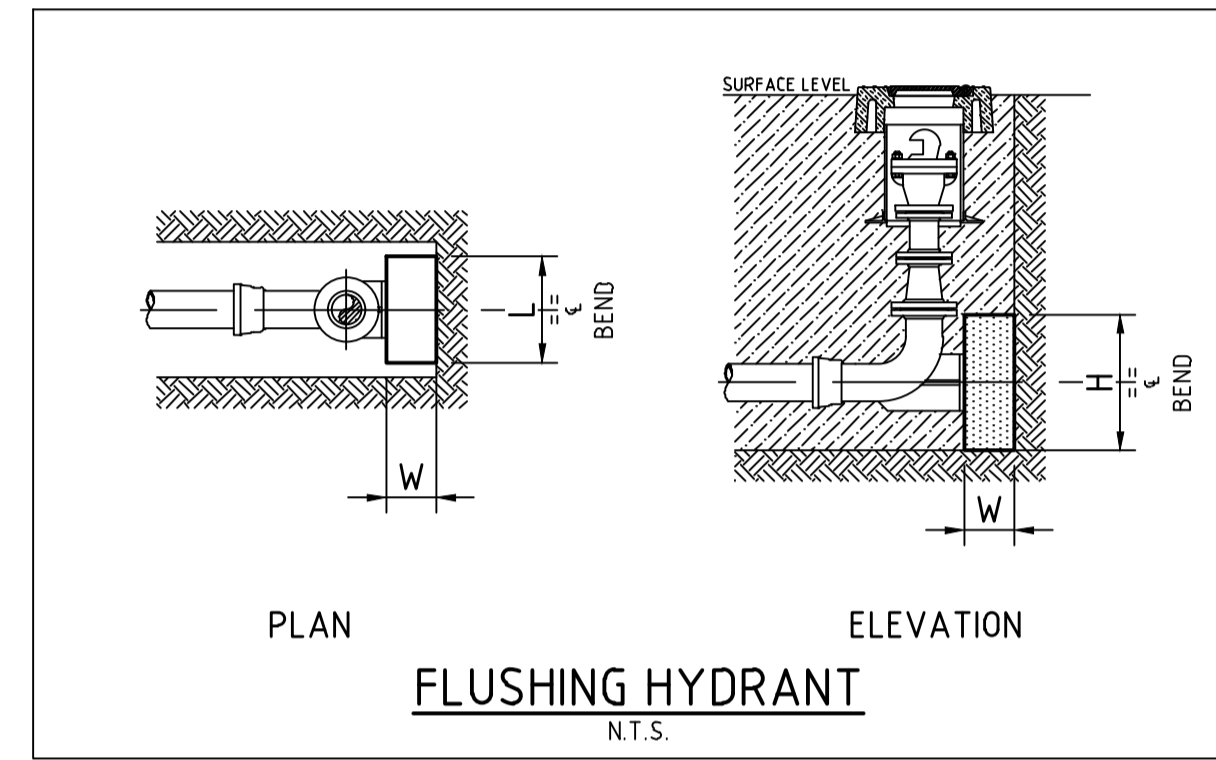
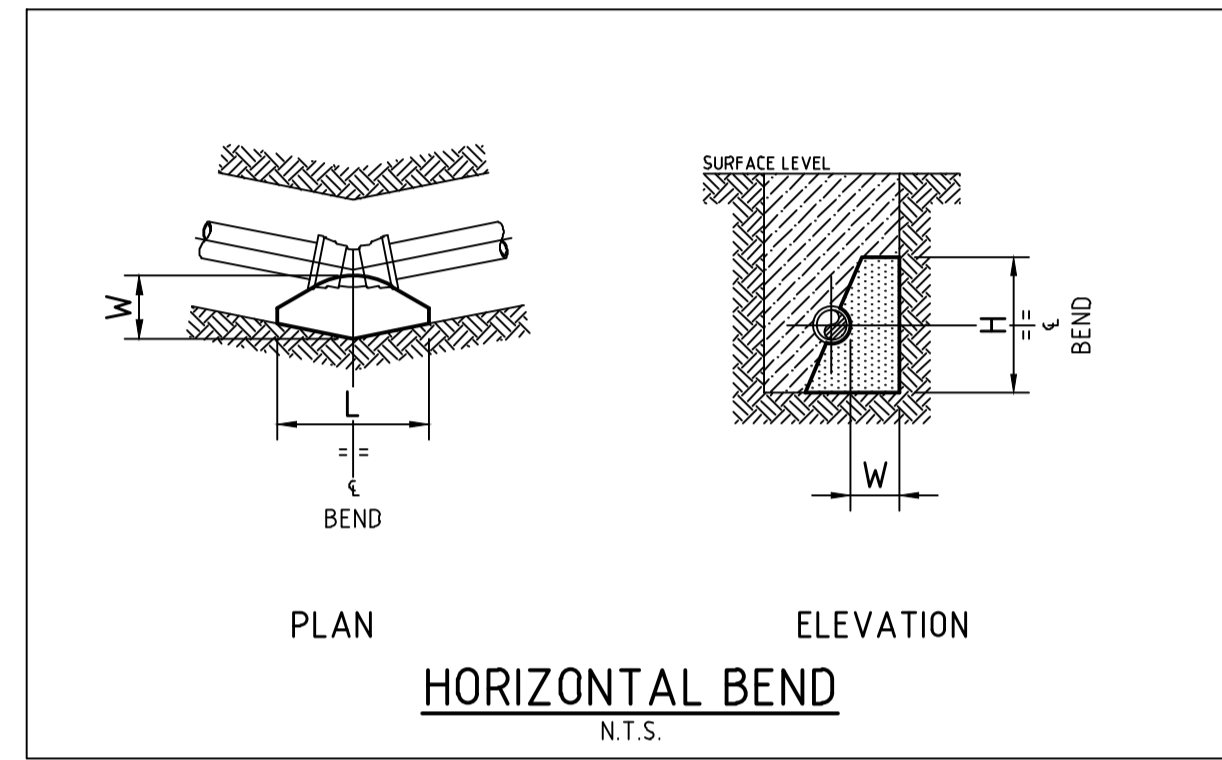
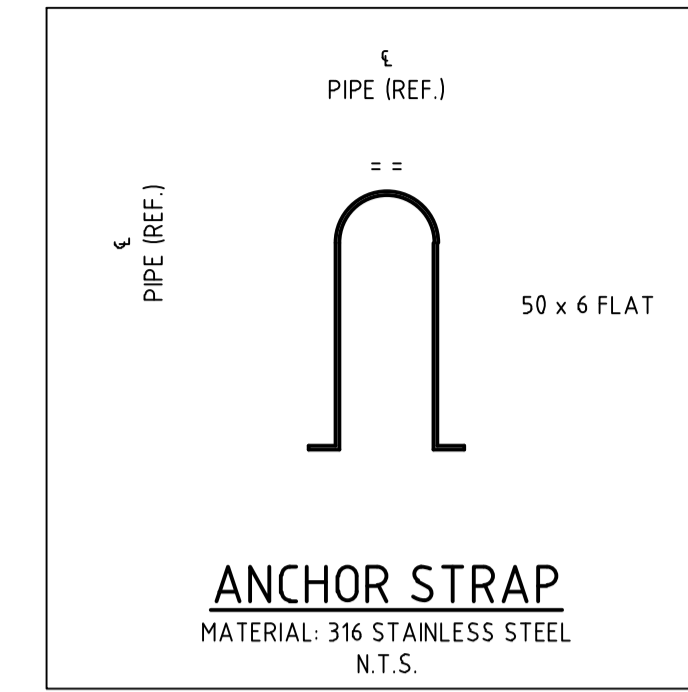
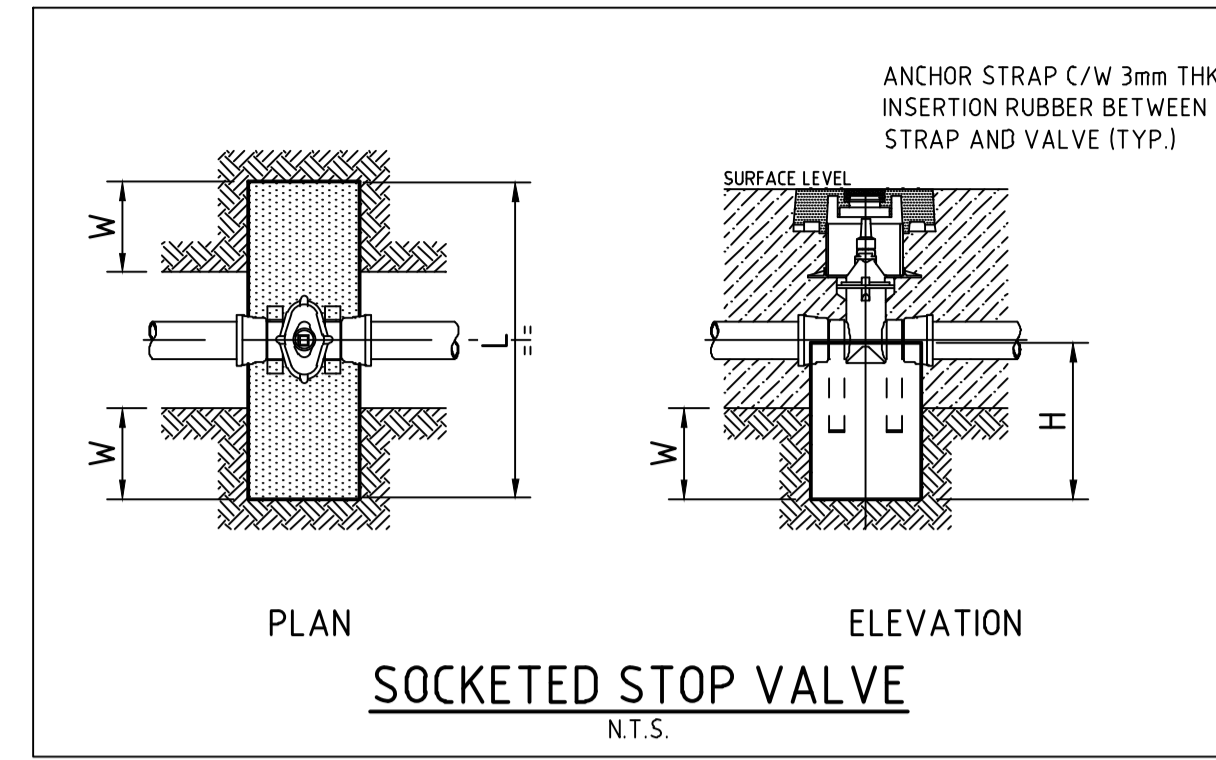
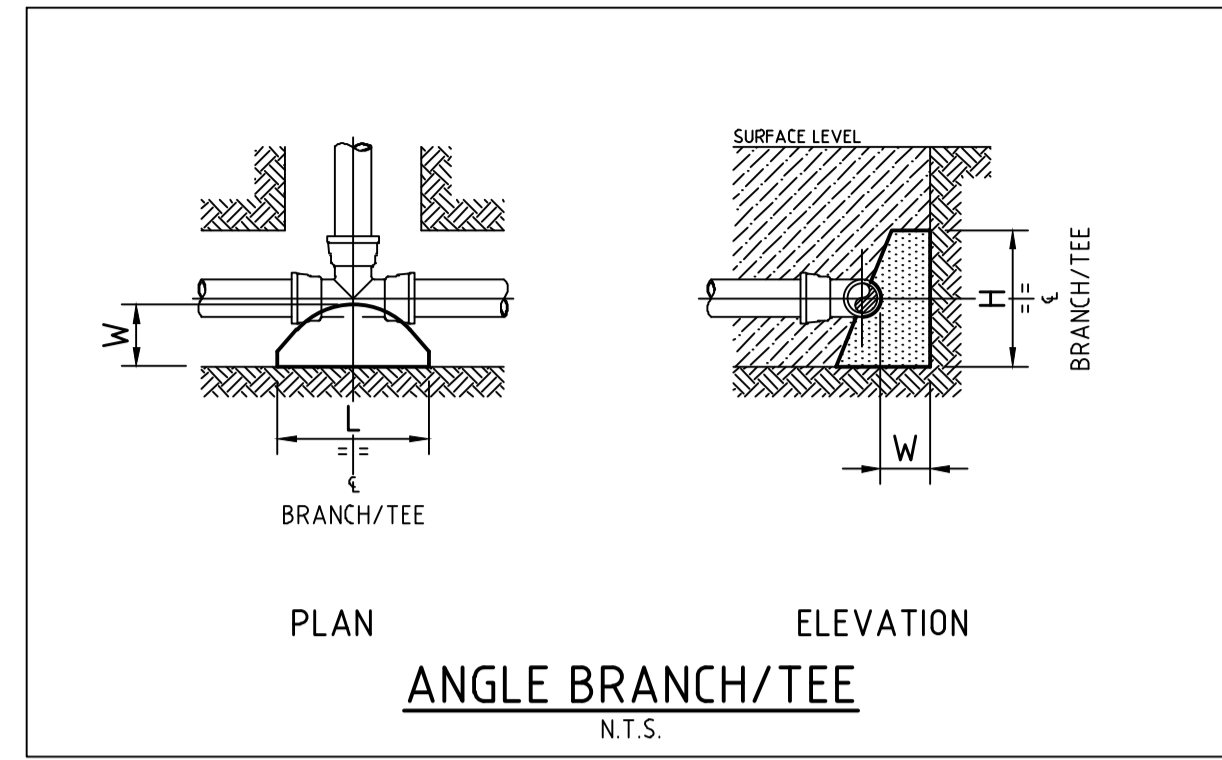
TANK SIZE	NUMBER OF
2100	64
2400	7
2700	4



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	Hunter Office	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.	0 0.4 0.8 A1 / A3	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	JOHNSON PROPERTY GROUP	WATAGAN PARK PROPOSED SUBDIVISION - PHASE 1 PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16 & PRECINCT NORTH B, STAGES 3 & 6 LOT 100 DP1270571 & LOT 82 DP127780	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	SEWER SERVICE CONNECTION DETAILS	ADW Johnson	GDA94 M.G.A. ZONE 56 A.H.D.	239078(5)1	WAC	405	5

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.



THRUST BLOCK NOTES:

1. CONCRETE THRUST BLOCKS ARE TO BE PROVIDED FOR ALL FITTINGS IN ACCORDANCE WITH TABLE.
2. 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.
3. THRUST BLOCKS ARE TO BE CONSTRUCTED SUCH THAT THEY TRANSFER THE THRUST ONTO UNDISTURBED GROUND. THRUST BLOCKS ARE NOT TO INTERFERE WITH OTHER SERVICES.
4. 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 (N). MAXIMUM ENCASEMENT TO BE 180°.
5. CONCRETE FOR THE THRUST BLOCKS TO BE GRADE S25 USING CEMENT TYPE "SR" TO AS3972. CONCRETE TO BE MECHANICALLY VIBRATED.
6. CONCRETE THRUST BLOCKS ARE TO BE CURED FOR A MINIMUM OF 7 DAYS BEFORE BEING SUBJECTED TO ANY THRUST LOAD.
7. REFER TO WAT-1205-V FOR GENERAL FITTING THRUST BLOCK ARRANGEMENTS.
8. REFER TO WAT-1207-V FOR GENERAL VALVE AND VERTICAL BEND THRUST BLOCK ARRANGEMENTS.

TYPE	FITTING	Soil AHPB (Kpa)	Design STP (Kpa)	Thrust	TA (m2)	Length (L)	Height (H)	Width (W)
1	DN100 x DN100 EQUAL TEE	100	1500	18.00	0.18	0.45	0.40	0.30
2	DN100 x 90° HORIZONTAL BEND	100	1500	25.50	0.26	0.55	0.47	0.30
3	DN100 SOCKETED STOP VALVE	100	1500	18.00	0.18	1.05	0.44	0.30
4	DN100 FLUSHING HYDRANT	100	1500	18.00	0.18	0.45	0.40	0.30
5	DN200 x 90° HORIZONTAL BEND	100	1500	90.00	0.90	0.95	0.95	0.30
6	DN200 SOCKETED STOP VALVE	100	1500	64.50	0.65	1.40	0.62	0.30
7	DN200 FLUSHING HYDRANT	100	1500	64.50	0.65	0.85	0.77	0.30
8	DN200 END CAP	100	1500	64.50	0.65	0.85	0.77	0.30
9	DN250 x 90° HORIZONTAL BEND	100	1500	136.50	1.37	1.00	1.37	0.40
10	DN250 SOCKETED STOP VALVE	100	1500	97.50	0.98	1.40	0.64	0.40
11	DN250 FLUSHING HYDRANT	100	1500	97.50	0.98	0.85	1.16	0.40
12	DN250 END CAP	100	1500	97.50	0.98	0.85	1.16	0.40
13	DN200 x DN200 EQUAL TEE	100	1500	64.50	0.65	0.85	0.76	0.30
14	DN200 x DN100 TAPER	100	1500	46.50	0.47	1.20	0.78	0.30
15	DN200 x DN100 REDUCING TEE	100	1500	18.00	0.18	0.45	0.40	0.30
16	DN250 x DN250 EQUAL TEE	100	1500	97.50	0.98	0.85	1.15	0.40
17	DN250 x DN100 REDUCING TEE	100	1500	18.00	0.18	0.40	0.45	0.40
18	DN250 x DN100 TAPER	100	1500	79.50	0.80	1.20	0.84	0.30
19	DN250 FLANGED STOP VALVE	100	1500	97.50	0.98	1.20	0.84	0.30
20	DN250 END CAP	100	1500	97.50	0.98	0.85	1.16	0.40
21	DN150 x DN100 REDUCING TEE	100	1500	18.00	0.18	0.40	0.45	0.30
22	DN200 x DN150 TAPER	100	1500	27.00	0.27	1.20	0.78	0.30
23	DN150 x DN100 TAPER	100	1500	19.50	0.20	1.05	0.70	0.30
24	DN250 x DN150 TAPER	100	1500	60.00	0.60	1.20	0.84	0.30
25	DN150 SOCKETED STOP VALVE	100	1500	37.50	0.38	1.05	0.46	0.30
26	DN150 FLUSHING HYDRANT	100	1500	37.50	0.38	0.50	0.76	0.30
27	DN300 x DN300 EQUAL TEE	100	1500	141.00	1.41	1.00	1.41	0.40
28	DN300 x DN250 TAPER	100	1500	43.50	0.44	1.35	0.90	0.30
29	DN300 x DN150 TAPER	100	1500	103.50	1.04	1.35	0.90	0.30
30	DN300 SOCKETED STOP VALVE	100	1500	141.00	1.41	1.65	0.72	0.45
31	DN300 FLUSHING HYDRANT	100	1500	141.00	1.41	1.00	1.41	0.40
32	DN250 x DN200 TAPER	100	1500	33.00	0.33	1.20	0.84	0.30

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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
SIGNED: [Signature] DATE: 23/10/2023
REGISTERED SURVEYOR

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023

ORIGIN OF W.A.C. LEVELS
PM: 57533
E: 3455423.957
N: 6340377.094
RL: 20.139m
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	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.		Hunter Office	WATAGAN PARK	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	239078(5)1	WAC	406	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282	PROPOSED SUBDIVISION - PHASE 1	THRUST BLOCK DETAILS				
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		Phone: (02) 4978 5100	PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16					
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		Fax: (02) 4978 5199	& PRECINCT NORTH B, STAGES 3 & 6					
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		email: hunter@adwjohnson.com.au	LOT 100 DP1270571 & LOT 82 DP1237780					
5	23.10.2023	WORK AS CONSTRUCTED	I.B.	C.H.	M.K.	M.K.		www.adwjohnson.com.au ABN 62 129 445 398						

239078(5)1-WAC-407(5)

10mm 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.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 55 rows of survey data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 55 rows of survey data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 55 rows of survey data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 55 rows of survey data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 55 rows of survey data.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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.

ORIGIN OF W.A.C. LEVELS
PM 57533
E: 34554.23.957
N: 6340377.094
RL: 20.139m

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 27-02-2023



WORK AS CONSTRUCTED

Project information table with columns: REV., DATE, AMENDMENT, DRAWN, CHECK, DESIGN, VERIFY, SCALES, CLIENT, PROPERTY DESCRIPTION, PROJECT, PLAN TITLE, PROJECT No., DISCIPLINE, NUMBER, REV.

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



PROPERTY DESCRIPTION
WATAGAN PARK
PROPOSED SUBDIVISION - PHASE 1
PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16
& PRECINCT NORTH B, STAGES 3 & 6
LOT 100 DP1270571 & LOT 82 DP1237780

PROJECT
POTABLE WATER, RECYCLED WATER AND
PRESSURE SEWER RETICULATION

PLAN TITLE
FITTINGS TABLE: SHEET 1

PROJECT No. 239078(5)1 - DISCIPLINE WAC - NUMBER 407 - REV. 5

239078(5)1-WAC-408(5)

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.

Point Table				
Point #	Eastings	Northings	Levels	Codes
276	355820.83	6341480.83	44.82	seBDYKIT
277	355818.66	6341483.30	44.83	seBDYKIT
278	355798.24	6341504.00	45.14	seBDYKIT
279	355794.31	6341507.38	45.34	seBDYKIT
280	355771.45	6341526.26	45.45	seBDYKIT
281	355768.78	6341528.69	45.46	seBDYKIT
282	355745.35	6341548.08	45.16	seBDYKIT
283	355744.86	6341524.72	45.46	seBDYKIT
284	355748.03	6341521.95	45.51	seBDYKIT
285	355769.48	6341504.12	45.55	seBDYKIT
286	355772.36	6341501.36	45.44	seBDYKIT
287	355795.51	6341481.47	45.15	seBDYKIT
288	355798.28	6341478.47	45.19	seBDYKIT
289	355821.73	6341451.09	44.64	seBDYKIT
290	355823.96	6341447.94	44.62	seBDYKIT
291	355844.23	6341415.78	43.34	seBDYKIT
292	355842.59	6341419.40	43.39	seBDYKIT
293	355865.14	6341415.83	42.57	seBDYKIT
294	355862.38	6341450.74	43.10	seBDYKIT
295	355866.82	6341453.13	42.49	seBDYKIT
296	355890.61	6341531.86	39.94	seBDYKIT
297	355871.86	6341398.69	42.10	seBDYKIT
298	355872.84	6341396.22	42.09	seBDYKIT
299	355902.05	6341370.08	41.00	seBDYKIT
300	355896.96	6341368.40	41.53	seBDYKIT
301	355858.70	6341385.44	42.49	seBDYKIT
302	355859.80	6341381.53	42.44	seBDYKIT
303	355869.14	6341353.79	42.11	seBDYKIT
304	355869.75	6341349.73	42.10	seBDYKIT
305	355877.21	6341324.71	41.82	seBDYKIT
306	355877.98	6341320.98	41.80	seBDYKIT
307	355912.32	6341315.20	41.12	seBDYKIT
308	355917.45	6341316.24	40.72	seBDYKIT
309	355558.69	6341670.96	35.73	seFP
310	355639.94	6341714.73	37.22	seFP
311	355611.94	6341536.25	42.31	seFP
312	355614.96	6341477.97	41.26	seFP
313	355897.31	6341533.79	39.31	seFP
314	355900.82	6341532.77	39.22	seFP
315	355885.69	6341458.46	41.49	seFP
316	355912.74	6341386.15	39.88	seFP
317	355894.19	6341316.14	41.30	seFP
318	355894.64	6341314.46	41.28	seFP
319	355923.76	6341301.85	39.97	seFP
320	355559.56	6341669.47	35.78	seSV
321	355704.60	6341578.10	44.40	seSV
322	355749.18	6341642.22	43.07	seSV
323	355641.54	6341713.76	37.27	seSV
324	355770.05	6341624.68	43.49	seSV
325	355717.85	6341564.53	44.18	seSV
326	355661.44	6341522.52	44.02	seSV
327	355613.82	6341535.00	42.37	seSV
328	355616.34	6341478.43	41.39	seSV
329	355647.48	6341502.03	43.94	seSV
330	355898.94	6341533.18	39.30	seSV

Point Table				
Point #	Eastings	Northings	Levels	Codes
331	355770.52	6341520.92	45.21	seSV
332	355855.71	6341423.18	42.77	seSV
333	355856.18	6341417.70	42.83	seSV
334	355910.92	6341385.54	39.95	seSV
335	355885.18	6341379.22	41.36	seSV
336	355881.14	6341359.14	41.69	seSV
337	355893.64	6341314.96	41.29	seSV
338	355922.06	6341301.55	40.05	seSV
339	355877.85	6341321.72	41.94	seTANK
340	355877.34	6341323.92	41.94	seTANK
341	355869.61	6341350.53	42.22	seTANK
342	355869.26	6341352.93	42.20	seTANK
343	355859.55	6341382.31	42.57	seTANK
344	355859.01	6341384.66	42.62	seTANK
345	355843.87	6341416.62	43.47	seTANK
346	355842.86	6341418.55	43.52	seTANK
347	355823.50	6341448.65	44.76	seTANK
348	355822.23	6341450.47	44.79	seTANK
349	355797.67	6341479.05	45.34	seTANK
350	355796.08	6341480.86	45.28	seTANK
351	355771.80	6341501.90	45.58	seTANK
352	355770.14	6341503.52	45.67	seTANK
353	355747.46	6341522.55	45.67	seTANK
354	355745.45	6341524.18	45.60	seTANK
355	355722.43	6341543.18	45.05	seTANK
356	355720.71	6341544.54	45.07	seTANK
357	355682.41	6341522.00	44.86	seTANK
358	355680.98	6341520.36	44.82	seTANK
359	355651.89	6341462.61	44.04	seTANK
360	355605.14	6341492.30	42.31	seTANK
361	355603.12	6341494.74	41.83	seTANK
362	355640.53	6341553.82	43.72	seTANK
363	355645.84	6341535.71	44.32	seTANK
364	355656.22	6341577.47	44.04	seTANK
365	355657.24	6341579.09	43.98	seTANK
366	355650.66	6341599.39	42.96	seTANK
367	355647.95	6341601.20	42.35	seTANK
368	355623.52	6341616.90	41.12	seTANK
369	355620.81	6341618.56	40.56	seTANK
370	355594.63	6341634.12	39.14	seTANK
371	355591.49	6341635.90	38.71	seTANK
372	355566.68	6341650.04	37.46	seTANK
373	355563.78	6341651.69	36.89	seTANK
374	355576.65	6341665.82	37.12	seTANK
375	355582.77	6341662.03	37.71	seTANK
376	355606.49	6341648.43	38.72	seTANK
377	355609.19	6341646.37	39.23	seTANK
378	355636.17	6341630.77	40.66	seTANK
379	355639.09	6341629.26	41.21	seTANK
380	355645.38	6341611.68	42.52	seTANK
381	355667.75	6341610.04	42.98	seTANK
382	355690.91	6341592.99	44.08	seTANK
383	355693.38	6341590.92	44.42	seTANK
384	355738.83	6341645.65	43.28	seTANK
385	355736.27	6341647.98	43.04	seTANK

Point Table				
Point #	Eastings	Northings	Levels	Codes
386	355709.15	6341669.73	41.58	seTANK
387	355706.57	6341671.60	41.27	seTANK
388	355674.68	6341690.17	39.75	seTANK
389	355671.67	6341691.85	39.46	seTANK
390	355644.67	6341707.67	38.12	seTANK
391	355886.80	6341533.36	40.24	seTANK
392	355858.76	6341547.83	41.16	seTANK
393	355856.88	6341549.04	41.21	seTANK
394	355778.78	6341612.48	43.77	seTANK
395	355777.23	6341613.91	43.82	seTANK
396	355732.06	6341581.31	44.86	seTANK
397	355730.82	6341579.74	44.83	seTANK
398	355744.73	6341548.64	45.30	seTANK
399	355769.42	6341528.14	45.60	seTANK
400	355770.86	6341526.90	45.59	seTANK
401	355794.96	6341506.75	45.48	seTANK
402	355797.59	6341504.61	45.29	seTANK
403	355819.34	6341482.71	44.96	seTANK
404	355843.48	6341507.58	44.03	seTANK
405	355863.15	6341451.12	43.23	seTANK
406	355865.49	6341415.07	42.72	seTANK
407	355897.25	6341410.23	41.45	seTANK
408	355898.58	6341407.63	41.23	seTANK
409	355897.72	6341368.61	41.67	seTANK
410	355866.04	6341452.72	42.61	seTANK
411	355889.87	6341532.15	40.07	seTANK
412	355901.23	6341369.84	41.12	seTANK
413	355916.67	6341316.04	40.87	seTANK
414	355913.06	6341315.34	41.24	seTANK
415	355641.86	6341709.30	37.83	seTANK
416	355626.07	6341521.57	43.20	seBDYKIT
417	355628.11	6341520.02	43.21	seBDYKIT

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 27/09/2023 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
 SIGNED _____ DATE 23/10/2023
 REGISTERED SURVEYOR

COMPANY _____
 NAME _____
 SIGNED _____ DATE _____
 CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 57533
 E: 3455423.957
 N: 6340377.094
 RL: 20.139m

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

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 27-02-2023



WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
0	27.02.2023	FOR CONSTRUCTION	G.S.	M.K.	M.K.	M.K.		Hunter Office	WATAGAN PARK	POTABLE WATER, RECYCLED WATER AND		ADW Johnson	GDA94 M.G.A. ZONE 56	239078(5)1	WAC	408	5
1	09.03.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		Unit 7/335 Hillsborough Rd	PROPOSED SUBDIVISION - PHASE 1	PRESSURE SEWER RETICULATION							
2	12.05.2023	FOR CONSTRUCTION	G.S.	C.S.	M.K.	M.K.		Warners Bay N.S.W. 2282	PRECINCT 3 STAGES 3.11(PART), 3.13 & 3.16								
3	19.05.2023	FOR CONSTRUCTION	G.S.	C.H.	M.K.	M.K.		Phone: (02) 4978 5100	& PRECINCT NORTH B, STAGES 3 & 6								
4	01.06.2023	FOR CONSTRUCTION	L.S.	C.H.	M.K.	M.K.		Fax: (02) 4978 5199	LOT 100 DP1270571 & LOT 82 DP1237780								
5	23.10.2023	WORK AS CONSTRUCTED	L.B.	C.H.	M.K.	M.K.		email: hunter@adwjohnson.com.au									
								www.adwjohnson.com.au									
								ABN 62 129 445 398									