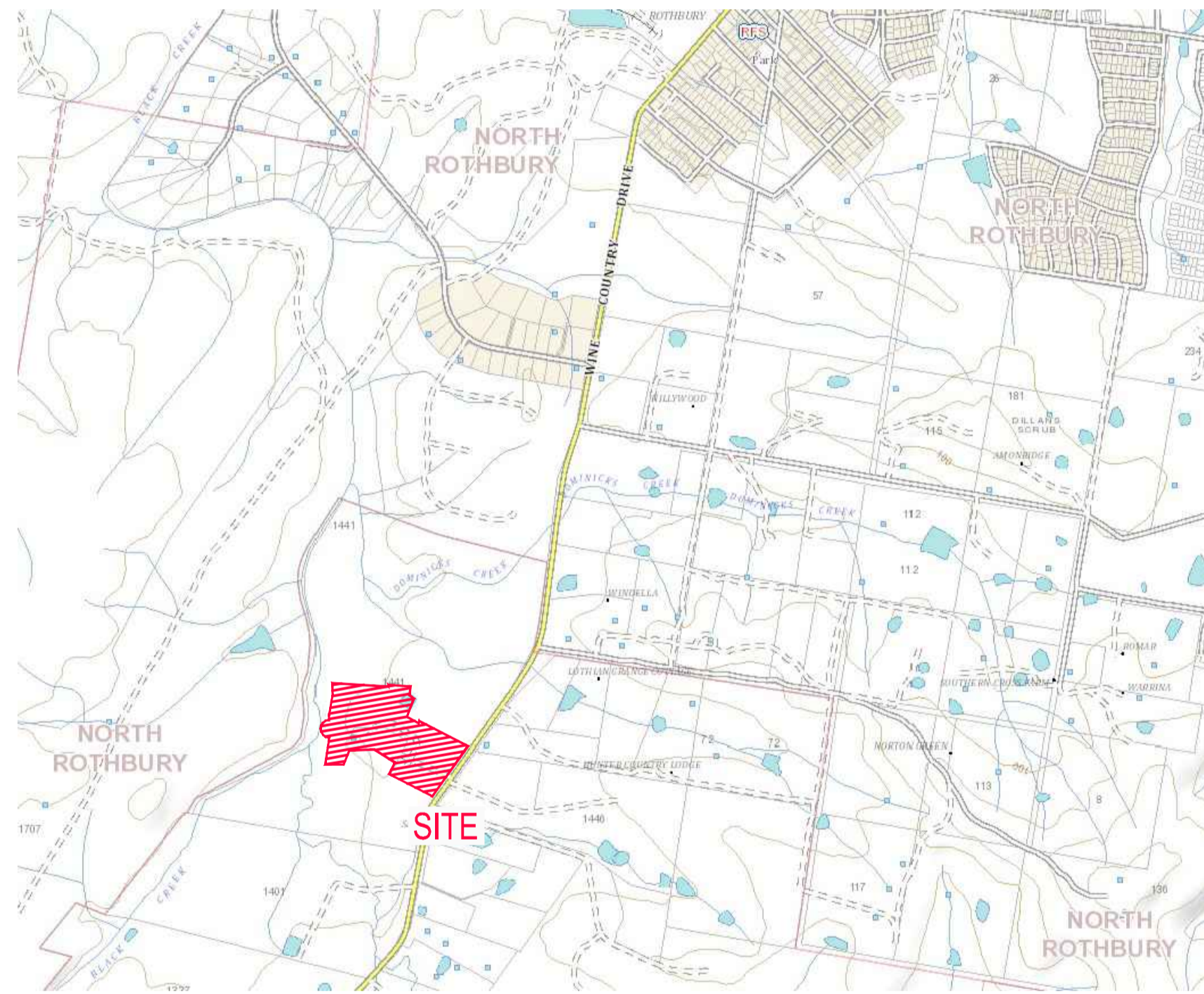
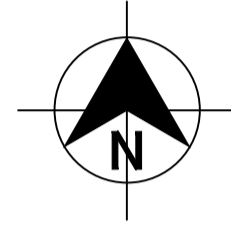


ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE



LOCALITY SKETCH
NOT TO SCALE

DRAWING INDEX	
DRAWING NUMBER	DRAWING TITLE
190274(ARIA)1-WAC-001	COVER SHEET, LOCALITY PLAN & DRAWING INDEX
190274(ARIA)1-WAC-002	GENERAL NOTES
190274(ARIA)1-WAC-003	OVERALL SITE PLAN
190274(ARIA)1-WAC-101	POTABLE WATER DETAIL PLAN - SHEET 1
190274(ARIA)1-WAC-102	POTABLE WATER DETAIL PLAN - SHEET 2
190274(ARIA)1-WAC-103	POTABLE WATER DETAIL PLAN - SHEET 3
190274(ARIA)1-WAC-104	POTABLE WATER DETAIL PLAN - SHEET 4
190274(ARIA)1-WAC-105	POTABLE WATER DETAIL PLAN - SHEET 5
190274(ARIA)1-WAC-106	POTABLE WATER DETAIL PLAN - SHEET 6
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190274(ARIA)1-WAC-201	RECYCLED WATER DETAIL PLAN - SHEET 1
190274(ARIA)1-WAC-202	RECYCLED WATER DETAIL PLAN - SHEET 2
190274(ARIA)1-WAC-203	RECYCLED WATER DETAIL PLAN - SHEET 3
190274(ARIA)1-WAC-204	RECYCLED WATER DETAIL PLAN - SHEET 4
190274(ARIA)1-WAC-205	RECYCLED WATER DETAIL PLAN - SHEET 5
190274(ARIA)1-WAC-206	RECYCLED WATER DETAIL PLAN - SHEET 6
190274(ARIA)1-WAC-207	RECYCLED WATER DETAIL PLAN - SHEET 7
190274(ARIA)1-WAC-208	RECYCLED WATER DETAIL PLAN - SHEET 8
190274(ARIA)1-WAC-209	RECYCLED WATER DETAIL PLAN - SHEET 9
190274(ARIA)1-WAC-210	RECYCLED WATER DETAIL PLAN - SHEET 10
190274(ARIA)1-WAC-301	PRESSURE SEWER DETAIL PLAN - SHEET 1
190274(ARIA)1-WAC-302	PRESSURE SEWER DETAIL PLAN - SHEET 2
190274(ARIA)1-WAC-303	PRESSURE SEWER DETAIL PLAN - SHEET 3
190274(ARIA)1-WAC-304	PRESSURE SEWER DETAIL PLAN - SHEET 4
190274(ARIA)1-WAC-305	PRESSURE SEWER DETAIL PLAN - SHEET 5
190274(ARIA)1-WAC-306	PRESSURE SEWER DETAIL PLAN - SHEET 6
190274(ARIA)1-WAC-307	PRESSURE SEWER DETAIL PLAN - SHEET 7
190274(ARIA)1-WAC-308	PRESSURE SEWER DETAIL PLAN - SHEET 8
190274(ARIA)1-WAC-309	PRESSURE SEWER DETAIL PLAN - SHEET 9
190274(ARIA)1-WAC-310	PRESSURE SEWER DETAIL PLAN - SHEET 10
190274(ARIA)1-WAC-401	TYPICAL PIPEWORK TRENCHING DETAIL - SHEET 1
190274(ARIA)1-WAC-402	TYPICAL PIPEWORK TRENCHING DETAIL - SHEET 2
190274(ARIA)1-WAC-403	TYPICAL PROPERTY CONNECTION DETAILS
190274(ARIA)1-WAC-404	WASTE WATER COLLECTION TANK LEVEL DETAILS
190274(ARIA)1-WAC-405	THRUST BLOCK DETAILS
190274(ARIA)1-WAC-406	FITTING DETAILS

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDAL NAME
 SIGNED *E. Randal* DATE 13-06-2024 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

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

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 18-07-2023



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	CLIENT		PROPERTY DESCRIPTION		PROJECT					
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398				ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE		POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.								DALEY.Smith Pty Ltd		GDA94 M.G.A. ZONE 56 A.H.D.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.						DALEY.Smith Pty Ltd					
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.								DALEY.Smith Pty Ltd		GDA94 M.G.A. ZONE 56 A.H.D.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.						DALEY.Smith Pty Ltd					
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.								DALEY.Smith Pty Ltd		GDA94 M.G.A. ZONE 56 A.H.D.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.						DALEY.Smith Pty Ltd					

190274(ARIA)1-WAC-003

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of 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 WSAA, 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 WSAA.
- 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 WSAA 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 (≤ DN100) http://information.altogethergroup.com.au/governance/Land_Housing/PSS-1017A-FS.pdf LARGE MAINS (> DN100) 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 HAT EXISTED PRIOR TO COMMENCEMENT OF WORKS.
- PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPIER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
- BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAVE BEEN OBTAINED AND APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE M.G.A. COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.
- THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE PRESSURE SEWER CODE OF AUSTRALIA (CLAUSE 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). 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 WSAA AND WSA 03-2011-3.1 (SYDNEY WATER EDITION 2014).
 - POTABLE WATER SHALL BE UTILISED FOR FIRE FIGHTING PURPOSES.
 - ALL EQUIPMENT, MATERIALS AND ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW, SHALL CONFORM TO THE APPROPRIATE CURRENT AUSTRALIAN STANDARDS AND SHALL COMPLY WITH ALTOGETHER REQUIREMENTS.
 - ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS AND LOCATIONS OF ALL EXISTING SERVICES IN THE VICINITY OF THE CONSTRUCTION SITE AND ANY CONSTRUCTED STRUCTURES FOR PROPOSED SERVICES, SUCH AS DUCTING FOR WATER OR ELECTRICITY WITHIN THE SUBDIVISION. THE CONTRACTOR MUST ENSURE ALL SERVICES ARE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
 - THE CONSTRUCTOR SHALL VERIFY WITH THE SITE SUPERVISOR THE POSITION AND LEVEL OF ALL EXISTING AND PROPOSED BOUNDARIES PERTINENT TO THE INFRASTRUCTURE INSTALLATIONS.
 - MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 600mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER AND WATER MAINS. MINIMUM PIPE COVER SHALL BE 600mm IN FOOTWAYS (TYPE B EMBEDMENT: WAT-1202-V) AND 800mm IN ROADWAYS (TYPE L EMBEDMENT: WAT-1204-V). MAXIMUM PIPE COVER SHALL GENERALLY BE 1500mm. WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1500mm BUT LESS THAN 2500mm THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL RECYCLED WATER MAINS AND PRESSURE SEWER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.
 - ALL POTABLE WATERMAINS TO BE BLUE PVC-M (PN16). ALL RECYCLED WATERMAINS SHALL BE LILAC PVC-M (PN16). DIFFERENTIATION OF POTABLE AND RECYCLED WATER SYSTEMS SHALL BE AS PER TABLE 4.1 WSA03-2011 WITH BOTH SERVICES BEING CLASSIFIED AS WATER MAINS. RECYCLED WATER MAINS SHALL ALWAYS BE LOWER THAN POTABLE WATER MAINS. 150mm VERTICAL CLEARANCE BETWEEN POTABLE WATER AND RECYCLED WATER MAINS SHALL BE PROVIDED.
 - MAXIMUM JOINT DEFLECTIONS TO BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 - LOCALLY LOWER PIPEWORK IN VICINITY OF STOP VALVES TO ENSURE SUFFICIENT COVER IS MAINTAINED OVER VALVES. LOWERING OF PIPEWORK SHALL BE ACHIEVED OVER A NUMBER OF PIPE LENGTHS EITHER SIDE OF VALVES TO ELIMINATE ANY SHARP DEFLECTIONS.
 - ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSAA 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/TRENCH FILL 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 HAT EXISTED PRIOR TO COMMENCEMENT OF WORKS.
 - PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPIER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
 - BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAVE BEEN OBTAINED AND APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE M.G.A. COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.
 - MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY WSA03-2011 (SYDNEY WATER EDITION 2014) (CLAUSE 19.3.5) :
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 WSAA AND OTHER ASSOCIATED DRAWINGS AND TECHNICAL SPECIFICATIONS.
- THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORK AND SHALL REPAIR ANY DAMAGE CAUSED TO SUCH SERVICES DURING THE COURSE OF WORKS. ANY SERVICE LOCATIONS SHOWN IN THIS DRAWING SET ARE INDICATIVE ONLY.
- MAKE SMOOTH TRANSITION TO EXISTING WORKS (i.e. ROAD PAVEMENT AND FOOTPATHS) TO P.C.A. AND SUPERINTENDENT'S REQUIREMENTS.
- SUITABLE PROTECTION TO EXISTING ROAD PAVEMENT, KERB AND GUTTER, FOOTPATHS AND ANY EXISTING FEATURES SHALL BE PROVIDED UNTIL THE CONSTRUCTION WORKS ARE COMPLETED.

CLEARANCES BETWEEN PIPELINES AND UNDERGROUND SERVICES

UTILITY (EXISTING OR PROPOSED SERVICE)	MINIMUM HORIZONTAL CLEARANCE (mm)		MINIMUM VERTICAL CLEARANCE (mm)
	NEW MAIN SIZE		
	≤ DN200	≥ DN200	
WATER MAINS > DN375	600	600	300
WATER MAINS < DN375	300*	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 07-06-2024 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 EWEN B. RANDAL NAME
SIGNED *E. B. Randal* DATE 13-06-2024 SIGNED _____ DATE _____
REGISTERED SURVEYOR CONSTRUCTION MANAGER

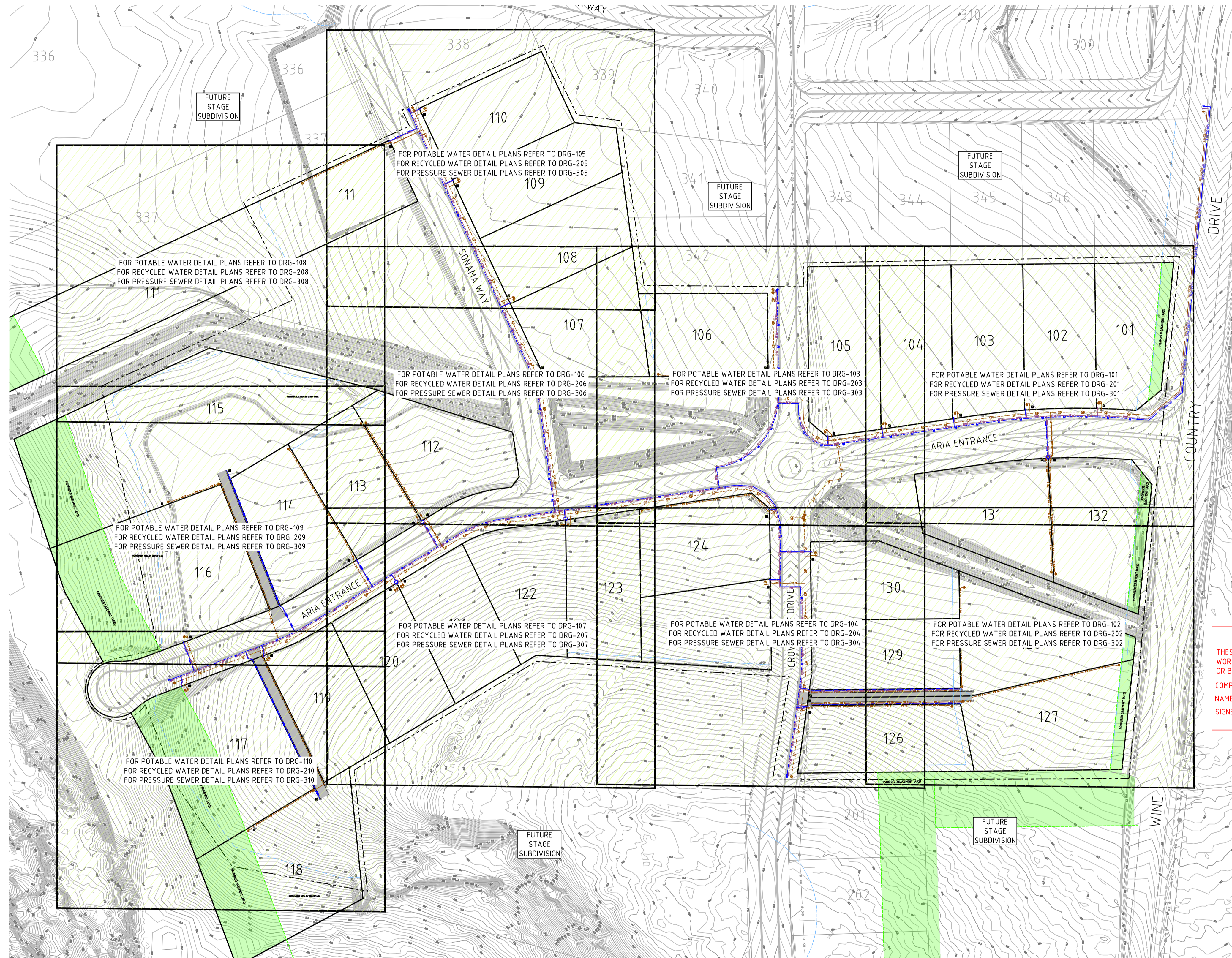
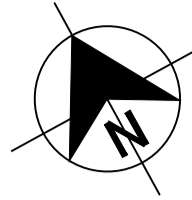
ORIGIN OF W.A.C. LEVELS
P.M.20029 Co-Ord System: MGA Ground
E: 345612.942 MGA Datum: GDA94
N: 6382878.917 MGA Zone: 56
RL: 77.675m

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PLAN TITLE	GENERAL NOTES		
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE						
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.									
DESIGN FILE N:\190274\190274(ARIA)\DWG\Water & Sewer\WAT\STAGE 1\190274(ARIA)1-WAT-DESIGN.dwg								ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		PROJECT No.	DISCIPLINE	NUMBER	REV.		
Plotted By: glenns Plot Date: 13/06/24 - 16:23 Cad File: N:\240072\DWG\Water & Sewer\Stage Aria 1 WAC\190274(ARIA)1-WAC-003.dwg								DALEY.Smith Pty Ltd		GDA94 M.G.A. ZONE 56	A.H.D.	190274(ARIA)1 - WAT	-	002	2



WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDAL NAME
 SIGNED *E. Randal* DATE 13-06-2024 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

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

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 18-07-2023

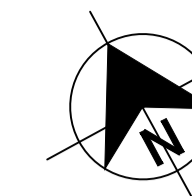


AS CONSTRUCTED

PLAN
 SCALE 1:1000

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 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	 ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLÉE	PROPERTY DESCRIPTION	PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE															
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.									
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.									
DESIGN FILE N:\190274\190274(ARIA)\DWG\Water & Sewer\WAT\STAGE 1\190274(ARIA)1-WAT-DESIGN.dwg												ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE			
Plotted By: glenns Plot Date: 13/06/24 - 16:23 Cad File: N:\240072\DWG\Water & Sewer\Stage Aria 1 WAC\190274(ARIA)1-WAC-003.dwg												PROJECT No. 190274(ARIA)1 - WAT DISCIPLINE - NUMBER 003 REV. 2			

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- W - PVC-M POTABLE WATER RETICULATION
 - PWS - PE POTABLE WATER PROPERTY SERVICE
 - RW - PVC-M RECYCLED WATER RETICULATION
 - RWS - PE RECYCLED WATER PROPERTY SERVICE
 - SP - PE PRESSURE SEWER RETICULATION
 - PS S - PE PRESSURE SEWER PROPERTY SERVICE
 - SW - STORMWATER PIPEWORK
 - PW DN100 - PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. - STOP VALVE
 - S.V. N.C. - STOP VALVE NORMALLY CLOSED
 - HYD. - HYDRANT
 - FL. HYD. - FLUSHING HYDRANT
 - - PROPERTY SERVICE CONNECTION
 - - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 112.5° 22.5° 65° 90° - HORIZONTAL BEND ANGLE IN MAIN
 - - - - - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 6382878.917
RL: 71.675

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

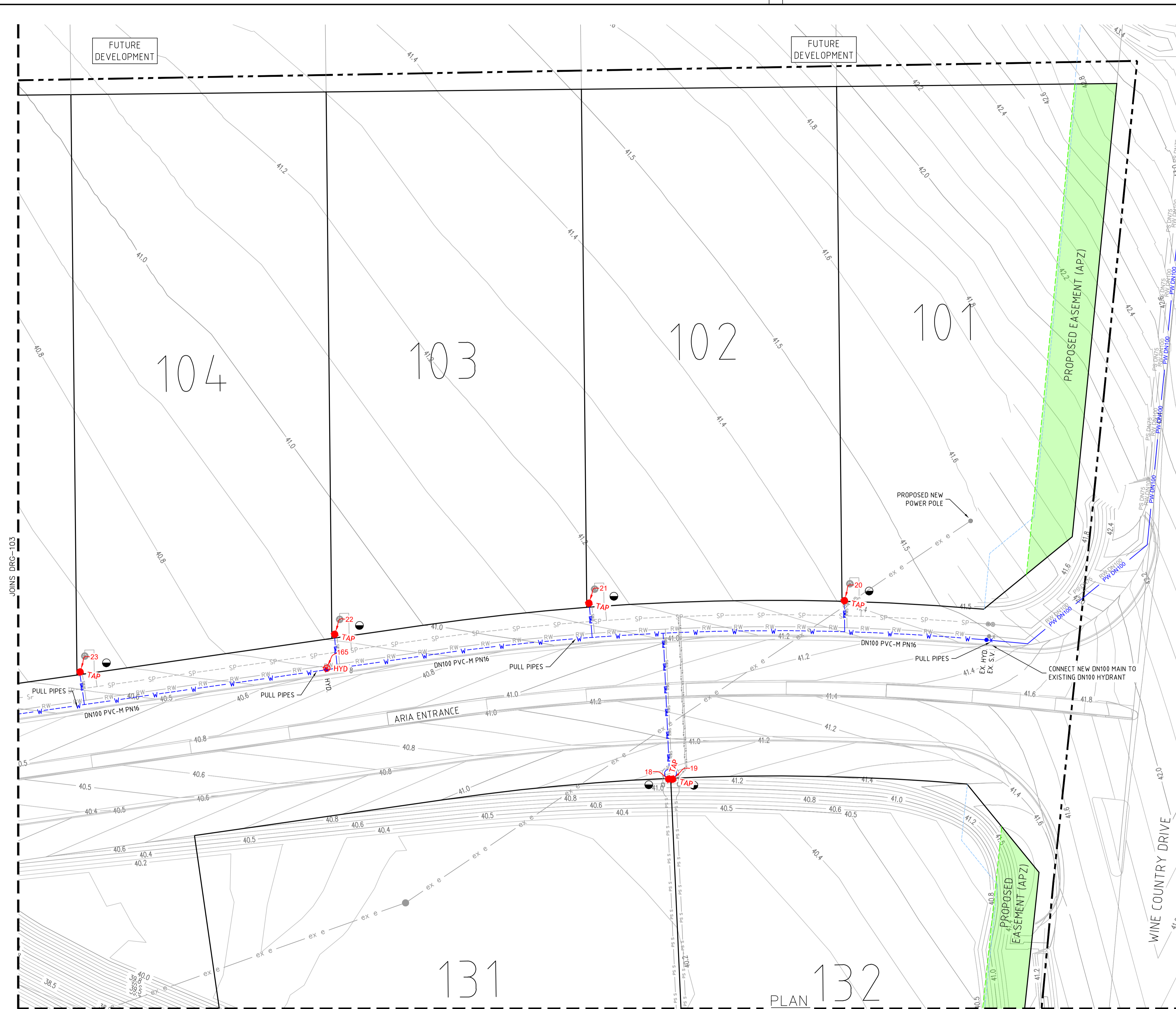


AS CONSTRUCTED

190274(ARIA)1-WAC-110

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.



PLAN
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	C.B.	C.B.	C.B.	0 5 10 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@adwjohanson.com.au
www.adwjohanson.com.au
ABN 62 129 445 398

CLIENT

altogether.

PROPERTY DESCRIPTION

ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

SURVEYED DALEY-Smith Pty Ltd
DATUM GDA94 M.G.A. ZONE 56 A.H.D.

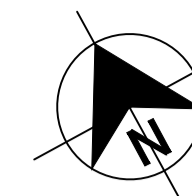
PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 1		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 101	2

190274(ARIA)1-WAC-110

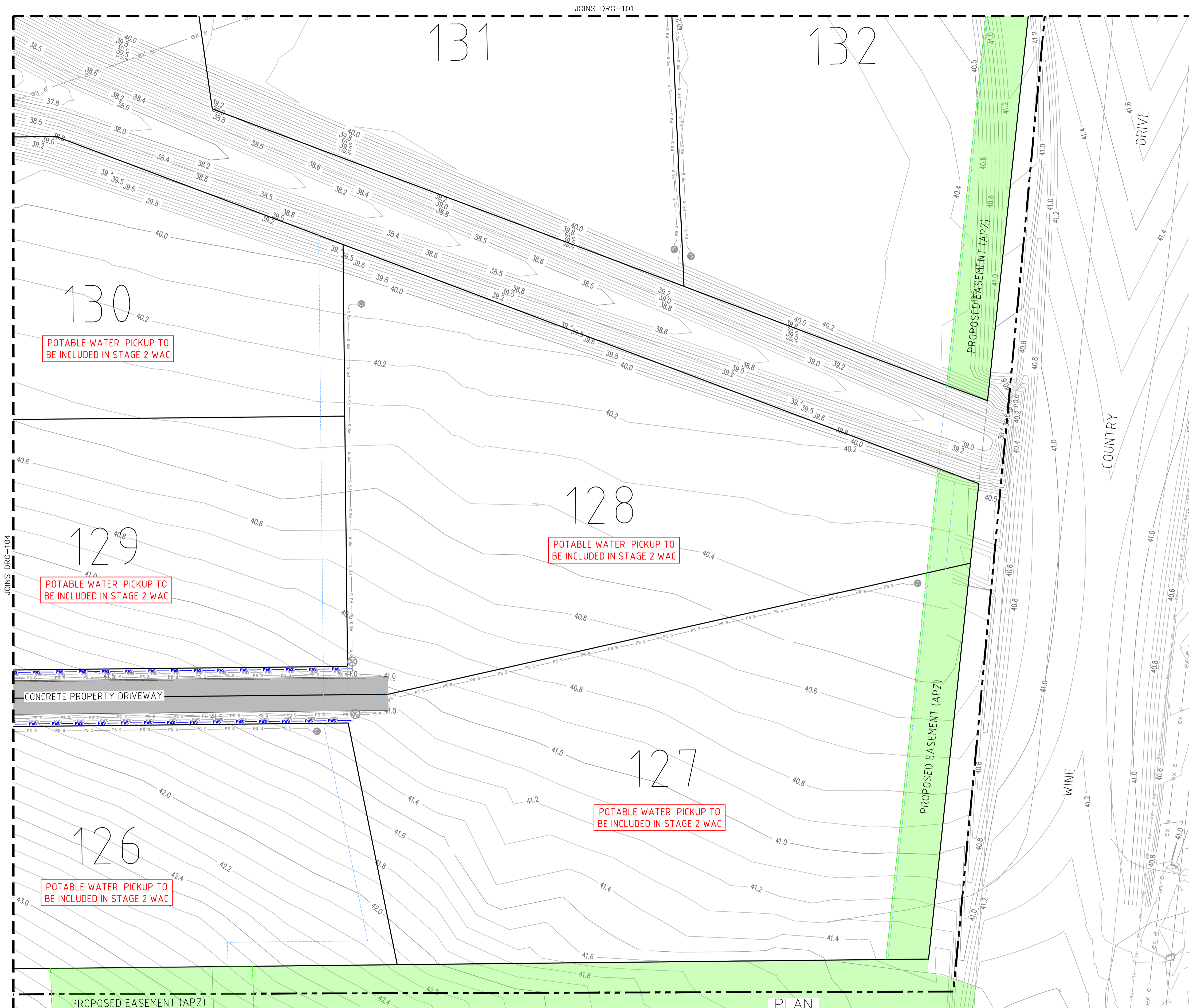
JOINS DRG-104

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.

JOINS DRG-101



APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- PVC-M POTABLE WATER RETICULATION
 - PE POTABLE WATER PROPERTY SERVICE
 - PVC-M RECYCLED WATER RETICULATION
 - PE RECYCLED WATER PROPERTY SERVICE
 - PE PRESSURE SEWER RETICULATION
 - PE PRESSURE SEWER PROPERTY SERVICE
 - STORMWATER PIPEWORK
 - PVC-M POTABLE WATER LEAD-IN MAIN
 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PE PRESSURE SEWER LEAD-IN MAIN
-
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
-
- HORIZONTAL BEND ANGLE IN MAIN (112.5°, 22.5°, 65°, 90°)
 - LIMIT OF SUBDIVISION WORKS

POTABLE WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

POTABLE WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

POTABLE WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

POTABLE WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 638278.917
RL: 77.675

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



AS CONSTRUCTED

PLAN
SCALE 1: 250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

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



CLIENT

PROPERTY DESCRIPTION
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

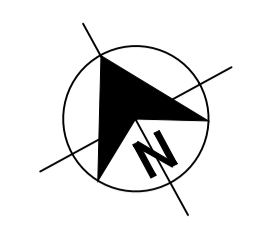
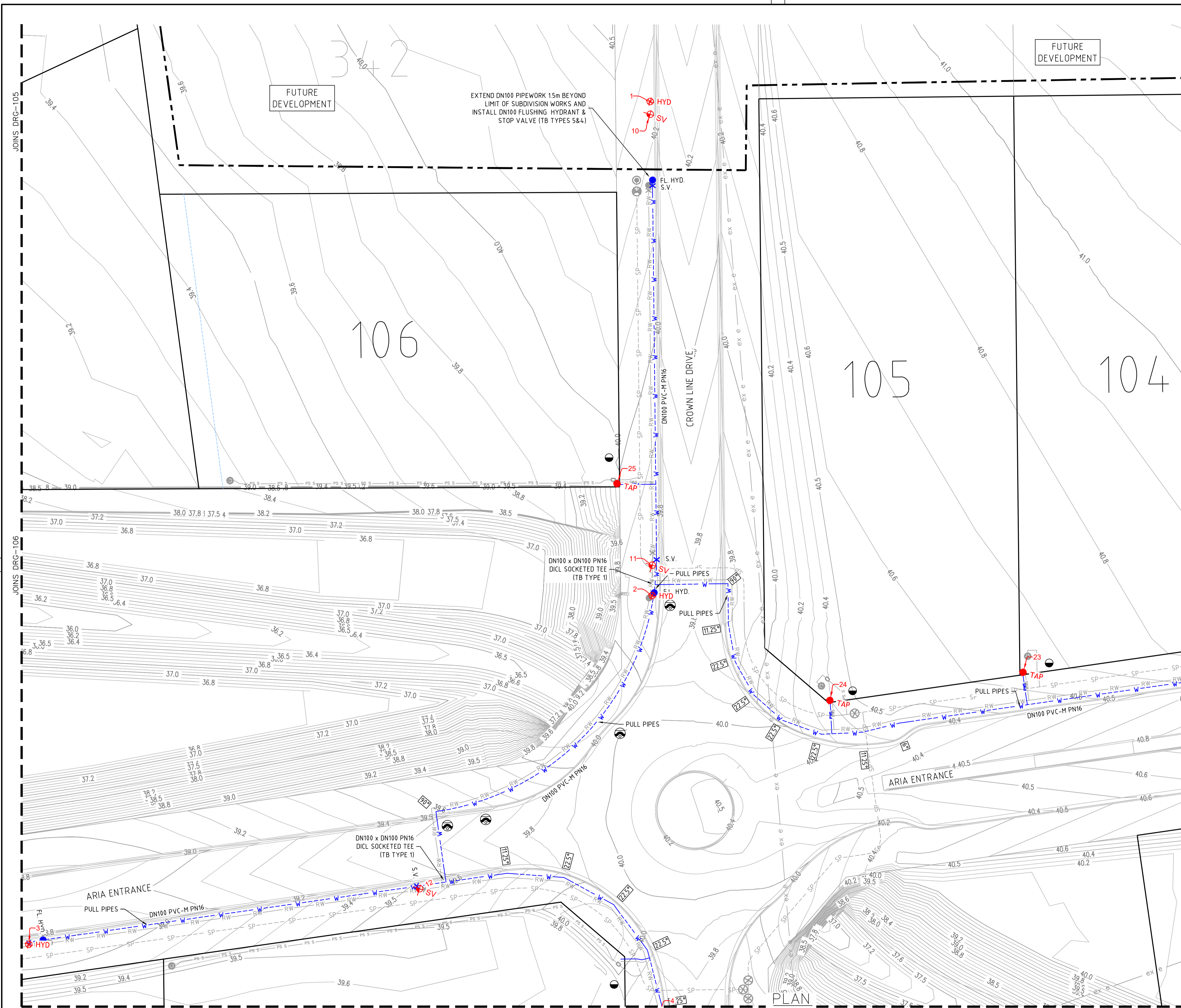
SURVEYED
DALEY-Smith Pty Ltd

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

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 2		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 102	2

190274(ARIA)1-WAC-110

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.



APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- PVC-M POTABLE WATER RETICULATION
 - PE POTABLE WATER PROPERTY SERVICE
 - PVC-M RECYCLED WATER RETICULATION
 - PE RECYCLED WATER PROPERTY SERVICE
 - PE PRESSURE SEWER RETICULATION
 - PE PRESSURE SEWER PROPERTY SERVICE
 - STORMWATER PIPEWORK
 - PVC-M POTABLE WATER LEAD-IN MAIN
 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN (112.5°, 22.5°, 65°, 90°)
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
1. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 6382878.917
RL: 71.675

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



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	C.B.	C.B.	C.B.	0 5 10 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

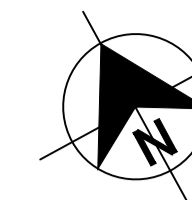
CLIENT

PROPERTY DESCRIPTION

ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 3		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 103	2

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- PVC-M POTABLE WATER RETICULATION
 - PE POTABLE WATER PROPERTY SERVICE
 - PVC-M RECYCLED WATER RETICULATION
 - PE RECYCLED WATER PROPERTY SERVICE
 - PE PRESSURE SEWER RETICULATION
 - PE PRESSURE SEWER PROPERTY SERVICE
 - STORMWATER PIPEWORK
 - PVC-M POTABLE WATER LEAD-IN MAIN
 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PE PRESSURE SEWER LEAD-IN MAIN
- SYMBOLS**
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN (112.5°, 22.5°, 65°, 90°)
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024 REGISTERED SURVEYOR

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

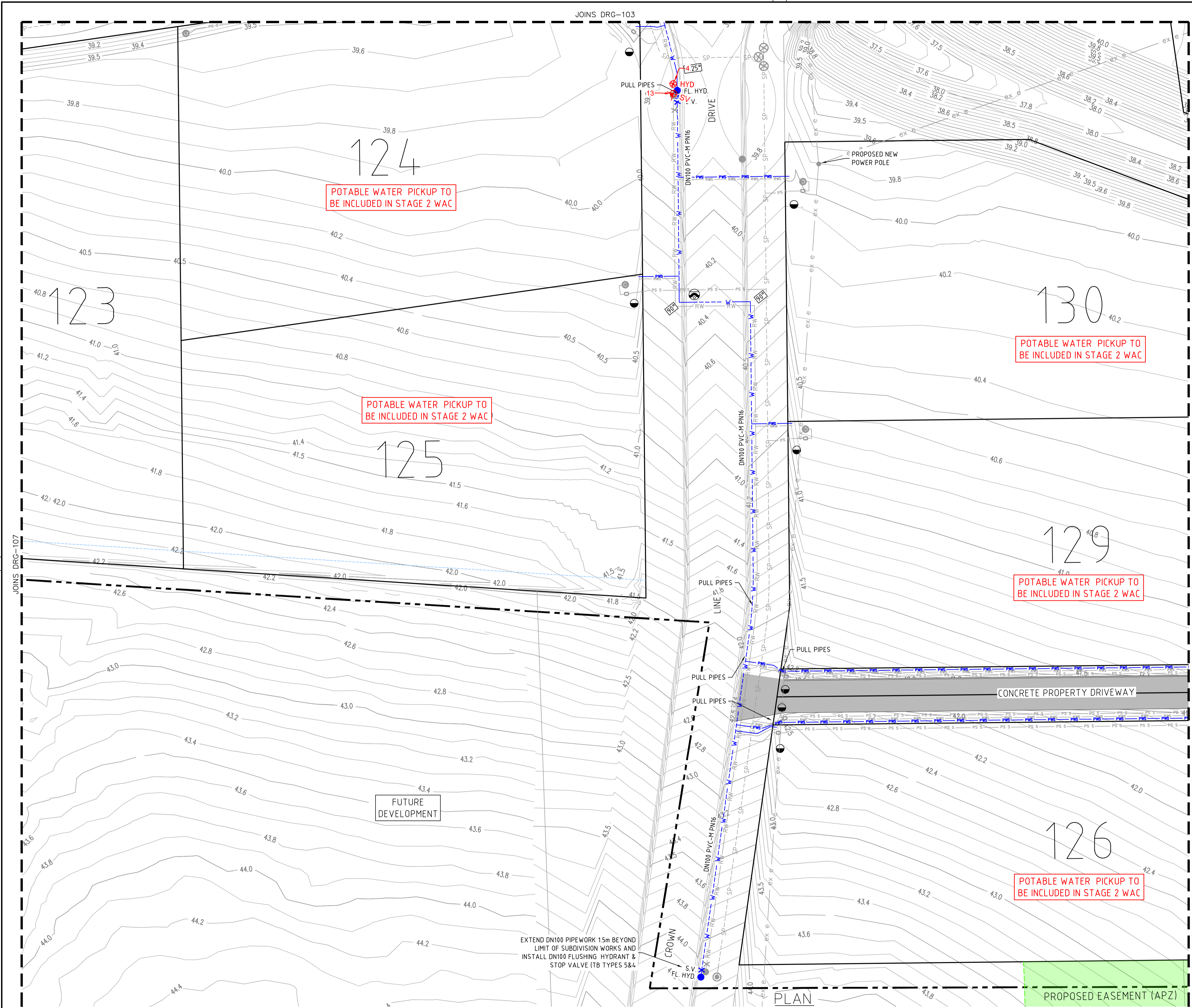
ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 638278.917
RL: 71.675

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



AS CONSTRUCTED



190274(ARIA)1-WAC-110

JOINS DRG-107

JOINS DRG-102

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
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	C.B.	C.B.	C.B.	0 5 10 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

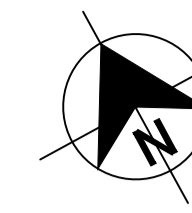
CLIENT

PROPERTY DESCRIPTION

ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN - SHEET 4	190274(ARIA)1	WAT	104	2

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- W - PVC-M POTABLE WATER RETICULATION
 - PWS - PE POTABLE WATER PROPERTY SERVICE
 - RW - PVC-M RECYCLED WATER RETICULATION
 - RWS - PE RECYCLED WATER PROPERTY SERVICE
 - SP - PE PRESSURE SEWER RETICULATION
 - PS - PE PRESSURE SEWER PROPERTY SERVICE
 - SW - STORMWATER PIPEWORK
 - PW DN100 - PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. - STOP VALVE
 - S.V. N.C. - STOP VALVE NORMALLY CLOSED
 - HYD. - HYDRANT
 - FL. HYD. - FLUSHING HYDRANT
 - - PROPERTY SERVICE CONNECTION
 - - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 112.5° 22.5° 65° 90° - HORIZONTAL BEND ANGLE IN MAIN
 - - - - - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

COMPANY
NAME
SIGNED [Signature] DATE
CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 6382878.917
RL: 71.675

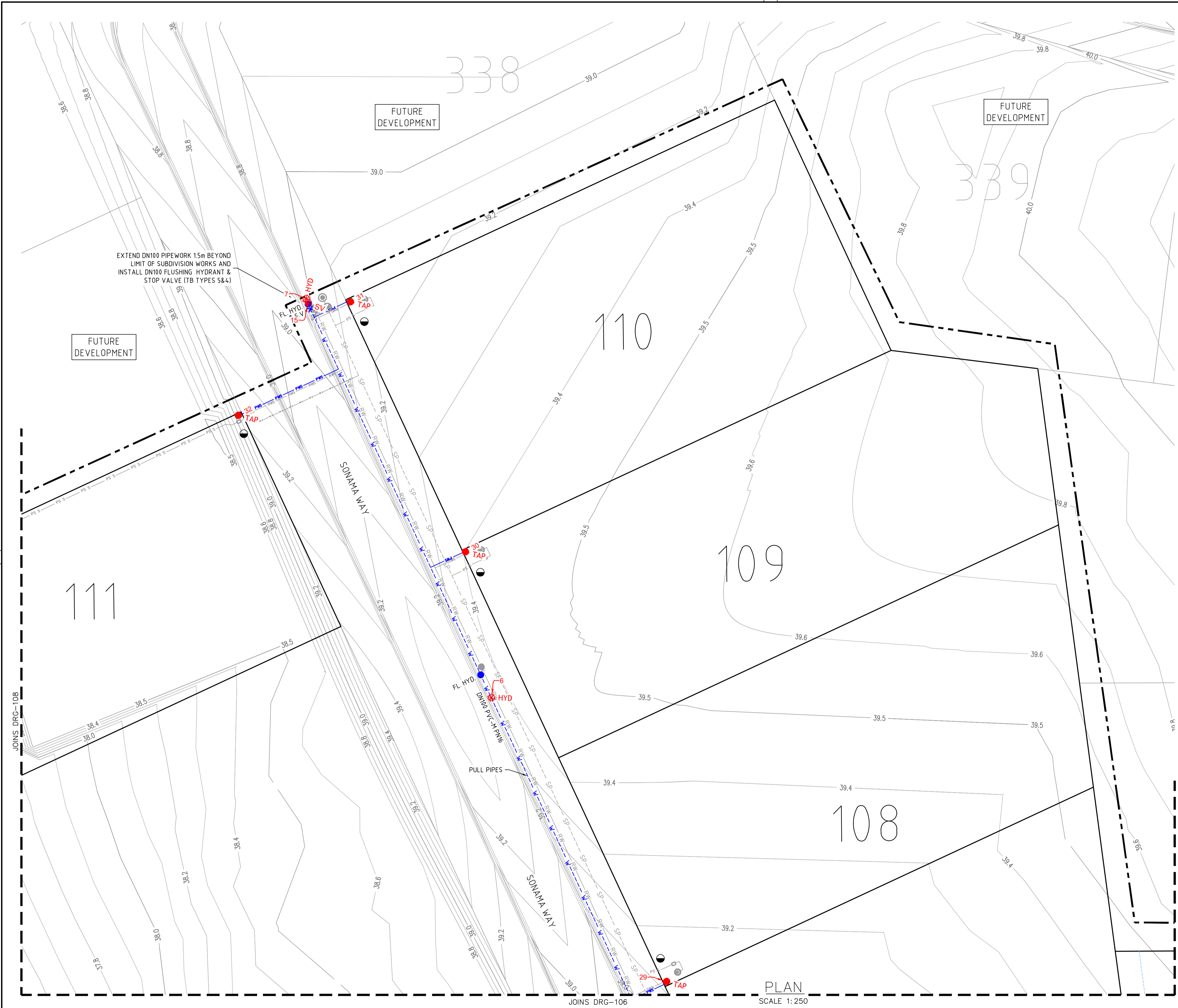
Co-Ord System: MGA Ground
MGA Datum: GDA94
MGA Zone: 56



AS CONSTRUCTED

190274(ARIA)1-WAC-110

100mm AT FULL SIZE
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PLAN
SCALE 1: 250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	 A1 / A3 1:250 / 1:500
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

DESIGN FILE N: \\190274\190274(ARIA)\DWG\Water & Sewer\WAT\STAGE 1\190274(ARIA)1-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

PROPERTY DESCRIPTION

ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

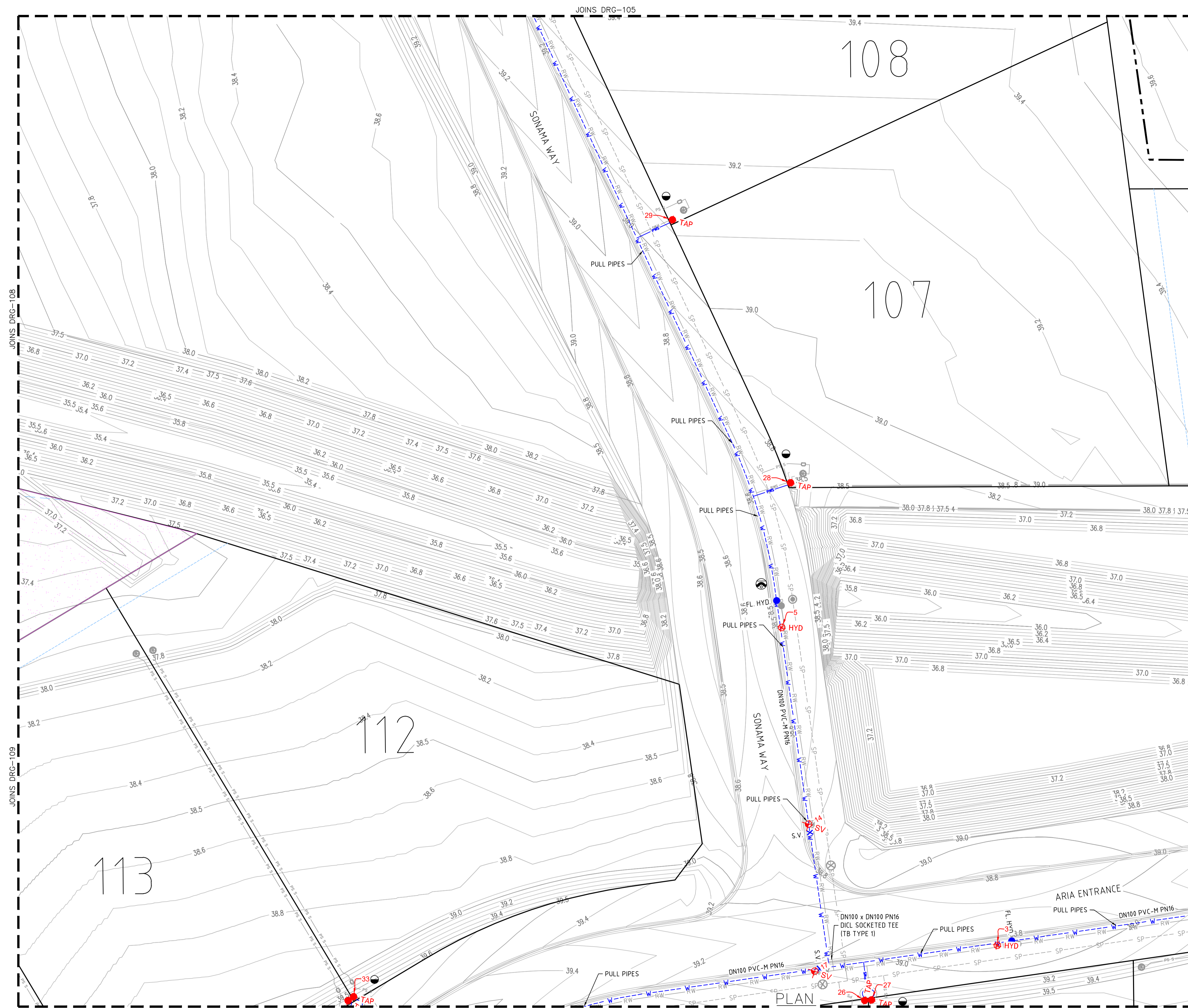
SURVEYED DALEY-Smith Pty Ltd
DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 5		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 105	2

190274(ARIA)1-WAC-110

100mm AT FULL SIZE

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APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 18-07-2023

- LEGEND**
- W-W PVC-M POTABLE WATER RETICULATION
 - PWS-PWS PE POTABLE WATER PROPERTY SERVICE
 - RW-RW PVC-M RECYCLED WATER RETICULATION
 - RWS-RWS PE RECYCLED WATER PROPERTY SERVICE
 - SP-SP PE PRESSURE SEWER RETICULATION
 - PS-S PE PRESSURE SEWER PROPERTY SERVICE
 - SW-SW STORMWATER PIPEWORK
 - PW DN100 PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
 TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd
 NAME EWEN B. RANDALL
 SIGNED [Signature] DATE 13-06-2024 REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345612.942
 N: 6382878.917
 RL: 77.675

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



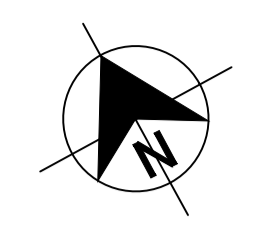
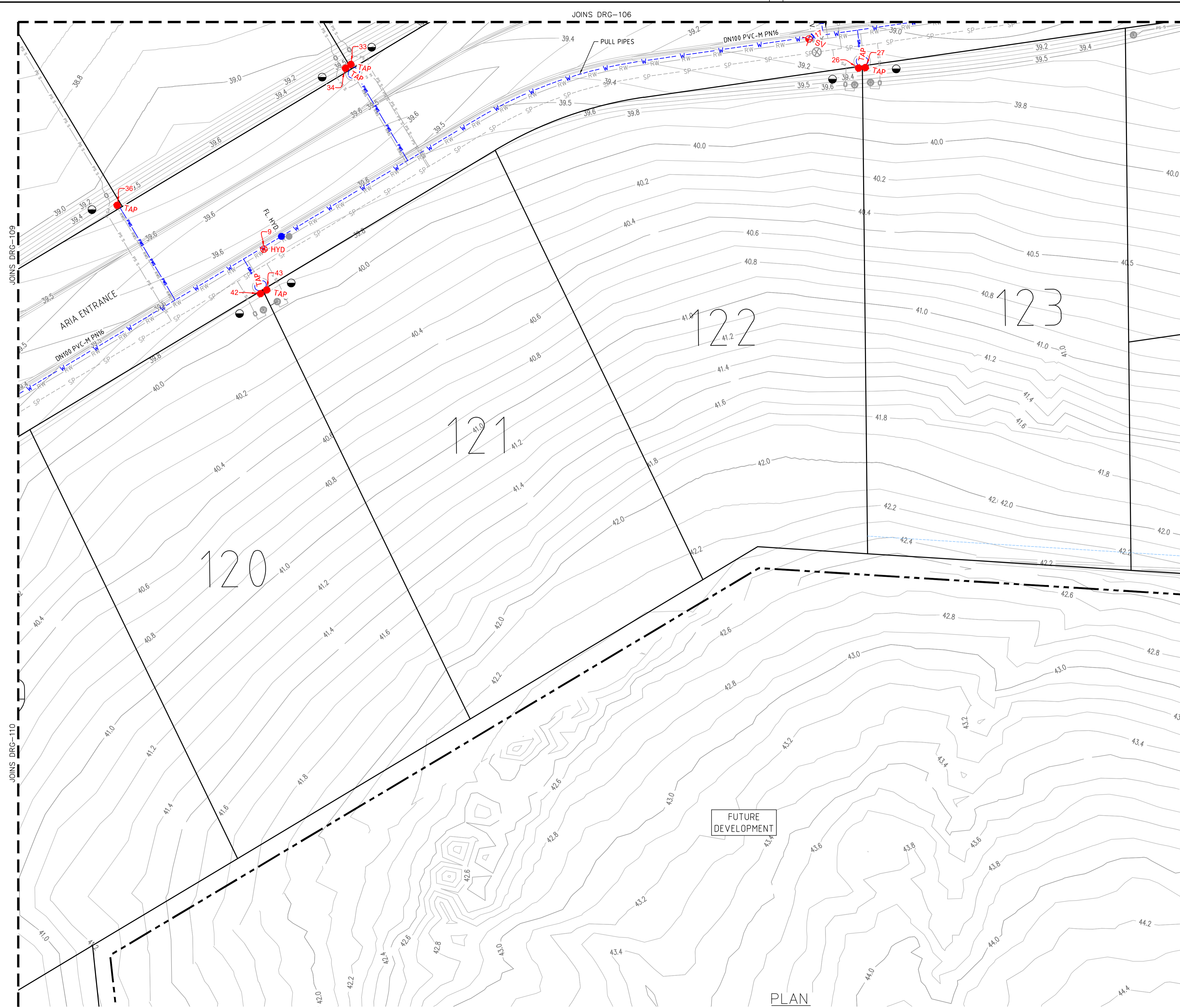
AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	 CLIENT	PROPERTY DESCRIPTION ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE		PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	
		SURVEYED DALEY-Smith Pty Ltd		DATUM GDA94 M.G.A. ZONE 56 A.H.D.	
SCALE 1:250		PLAN TITLE POTABLE WATER DETAIL PLAN - SHEET 6		DISCIPLINE - WAT	
NUMBER 106		REV. 2		DATE 13/06/24	

190274(ARIA)1-WAC-110

100mm AT FULL SIZE
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APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- PVC-M POTABLE WATER RETICULATION
 - PE POTABLE WATER PROPERTY SERVICE
 - PVC-M RECYCLED WATER RETICULATION
 - PE RECYCLED WATER PROPERTY SERVICE
 - PE PRESSURE SEWER RETICULATION
 - PE PRESSURE SEWER PROPERTY SERVICE
 - STORMWATER PIPEWORK
 - PVC-M POTABLE WATER LEAD-IN MAIN
 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
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 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS
PM 20029
E: 345612.942
N: 638278.917
RL: 71.675

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



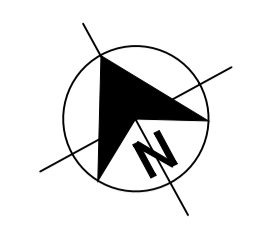
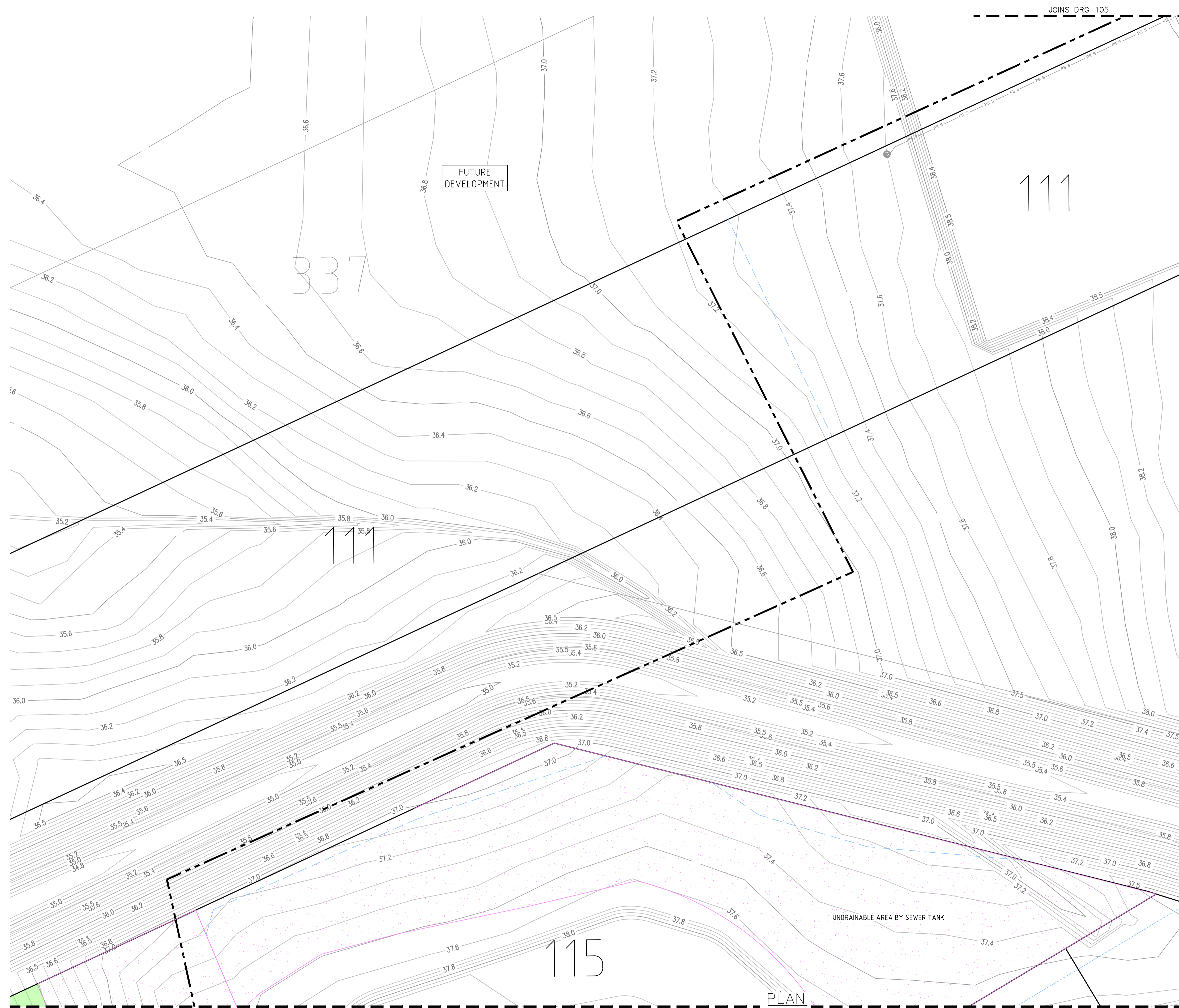
AS CONSTRUCTED

PLAN
SCALE 1: 250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	0 5 10 A1 / A3 1:250 / 1:500	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	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN - SHEET 7	190274(ARIA)1	WAT	107	2
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.									

190274(ARIA)1-WAC-110

100mm AT FULL SIZE
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APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- PVC-M POTABLE WATER RETICULATION
 - PE POTABLE WATER PROPERTY SERVICE
 - PVC-M RECYCLED WATER RETICULATION
 - PE RECYCLED WATER PROPERTY SERVICE
 - PE PRESSURE SEWER RETICULATION
 - PE PRESSURE SEWER PROPERTY SERVICE
 - STORMWATER PIPE WORK
 - PVC-M POTABLE WATER LEAD-IN MAIN
 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PE PRESSURE SEWER LEAD-IN MAIN
 - S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 6382878.917
RL: 77.675

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

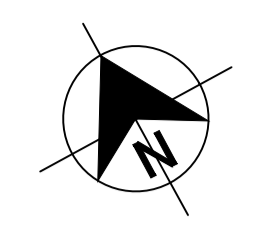
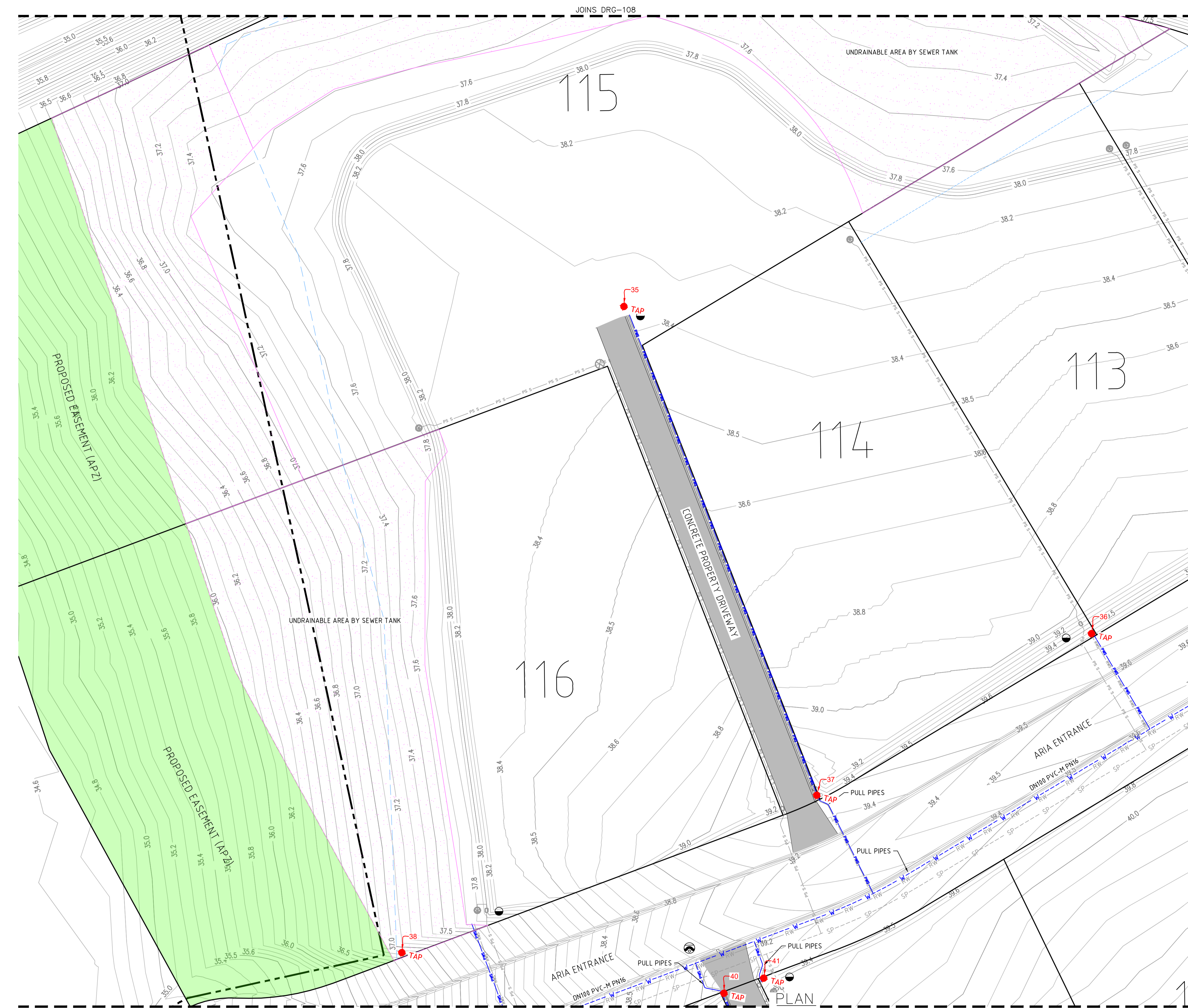


AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	altogether.	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	190274(ARIA)1	WAT	108	2
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
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190274(ARIA)1-WAC-110

100mm AT FULL SIZE
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APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- W W PVC-M POTABLE WATER RETICULATION
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 - RW RW PVC-M RECYCLED WATER RETICULATION
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 - SP SP PE PRESSURE SEWER RETICULATION
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 - PWS DN100 PVC-M POTABLE WATER LEAD-IN MAIN
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- 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
- LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
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POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
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DN20 (LATERAL)	PE PN16	487

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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
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ORIGIN OF W.A.C. LEVELS

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E: 345612.942
N: 638278.917
RL: 71.675

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



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	A1 / A3
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	1:250 / 1:500
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

DESIGN FILE N:\190274\190274(ARIA)1\DWG\Water & Sewer\WAT\STAGE 1\190274(ARIA)1-WAT-DESIGN.dwg

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

Plotted By: glenns Plot Date: 13/06/24 - 16:26 Cad File: N:\240072\DWG\Water & Sewer\Stage Aria 1 WAC\190274(ARIA)1-WAC-110.dwg

adw Johnson

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

CLIENT

altogether.

PROPERTY DESCRIPTION

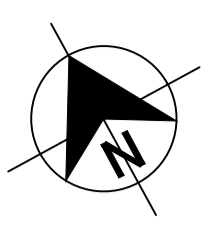
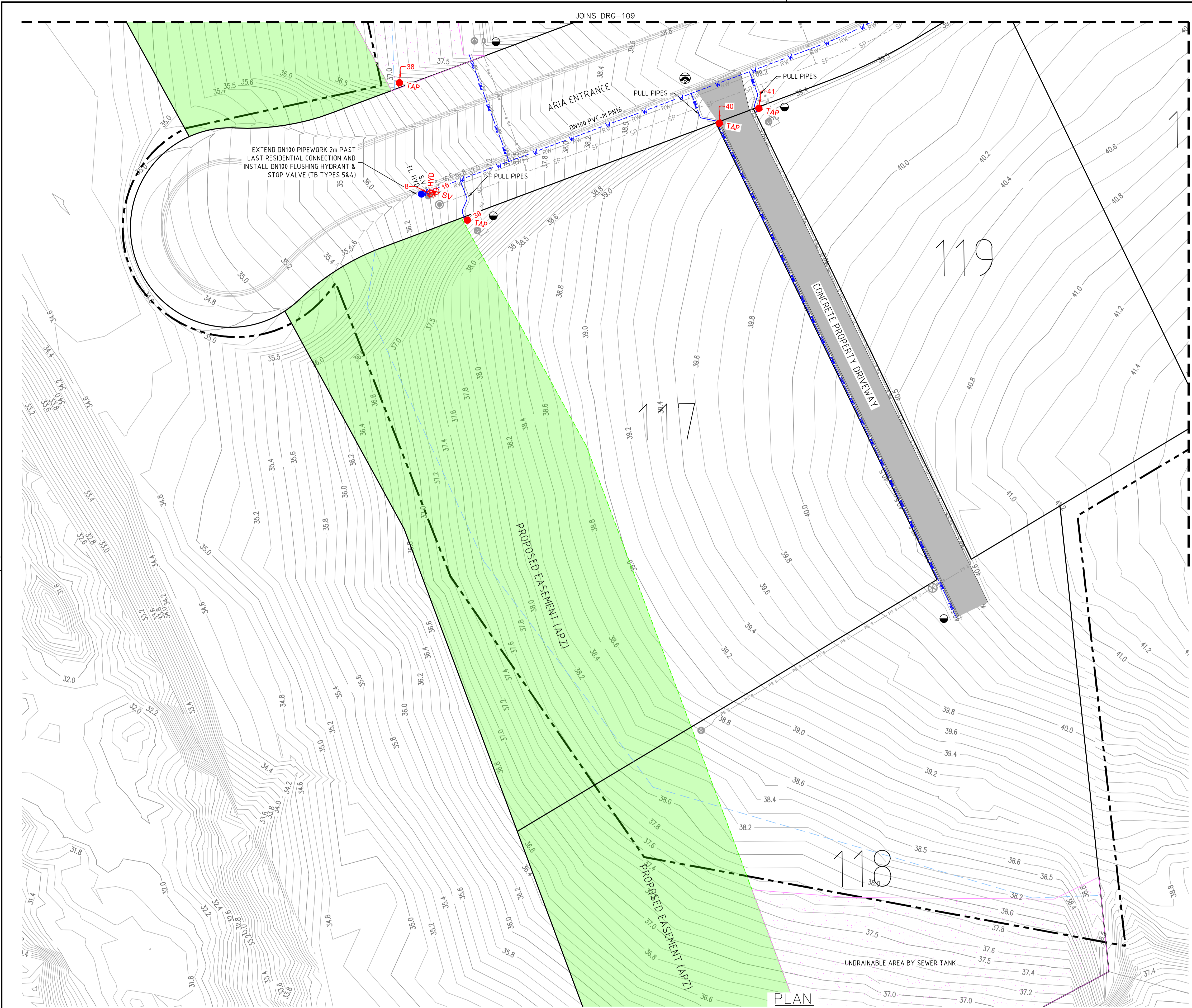
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

SURVEYED DALEY-Smith Pty Ltd DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 9		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 109	2

190274(ARIA)1-WAC-110

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.



APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- PVC-M POTABLE WATER RETICULATION
 - PE POTABLE WATER PROPERTY SERVICE
 - PVC-M RECYCLED WATER RETICULATION
 - PE RECYCLED WATER PROPERTY SERVICE
 - PE PRESSURE SEWER RETICULATION
 - PE PRESSURE SEWER PROPERTY SERVICE
 - STORMWATER PIPEWORK
 - PVC-M POTABLE WATER LEAD-IN MAIN
 - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PE PRESSURE SEWER LEAD-IN MAIN
- SYMBOLS**
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN (112.5°, 22.5°, 65°, 90°)
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN20 (LATERAL)	PE PN16	487

- NOTES:**
- FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024 REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 6382878.917
RL: 71.675

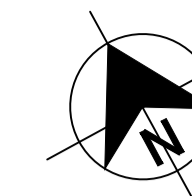
Co-Ord System: MGA Ground
MGA Datum: GDA94
MGA Zone: 56



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	0 5 10 A1 / A3	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	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN - SHEET 10	190274(ARIA)1	WAT	110	2
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	1:250 / 1:500								
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.									

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- W - - - - - PVC-M POTABLE WATER RETICULATION
 - PWS - - - - - PE POTABLE WATER PROPERTY SERVICE
 - RW - - - - - PVC-M RECYCLED WATER RETICULATION
 - RWS - - - - - PE RECYCLED WATER PROPERTY SERVICE
 - SP - - - - - PE PRESSURE SEWER RETICULATION
 - PS S - - - - - PE PRESSURE SEWER PROPERTY SERVICE
 - SW - - - - - STORMWATER PIPEWORK
 - PW DN100 - - - - - PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 - - - - - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 - - - - - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. (Symbol) STOP VALVE
 - S.V. N.C. (Symbol) STOP VALVE NORMALLY CLOSED
 - HYD. (Symbol) HYDRANT
 - FL. HYD. (Symbol) FLUSHING HYDRANT
 - (Symbol) PROPERTY SERVICE CONNECTION
 - (Symbol) LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - (Symbol) LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- 1125° 22.5' 45" 80° HORIZONTAL BEND ANGLE IN MAIN
- - - - - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL NAME
 SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE []
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
 E: 345612.942 MGA Datum: GDA94
 N: 638278.917 MGA Zone: 56
 RL: 71.675

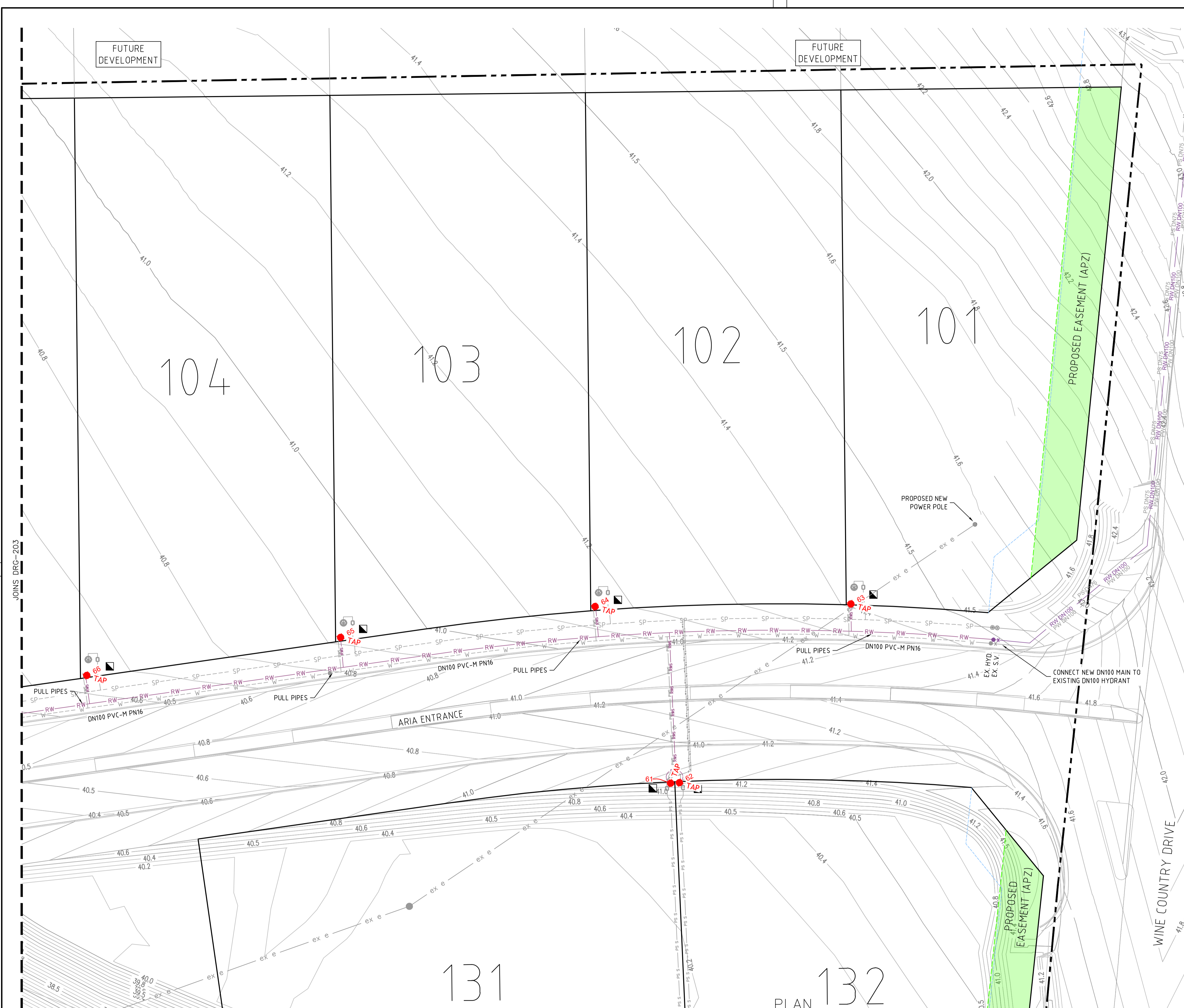


AS CONSTRUCTED

190274(ARIA)1-WAC-210

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.



REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

SCALES
 0 5 10 A1 / A3
 1:250 / 1:500

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@adwjohanson.com.au
 www.adwjohanson.com.au
 ABN 62 129 445 398

CLIENT

altogether.

PROPERTY DESCRIPTION

ARIA - STAGE 1
 WINE COUNTRY DRIVE
 HUNTLÉE

SURVEYED DALEY-Smith Pty Ltd
 DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

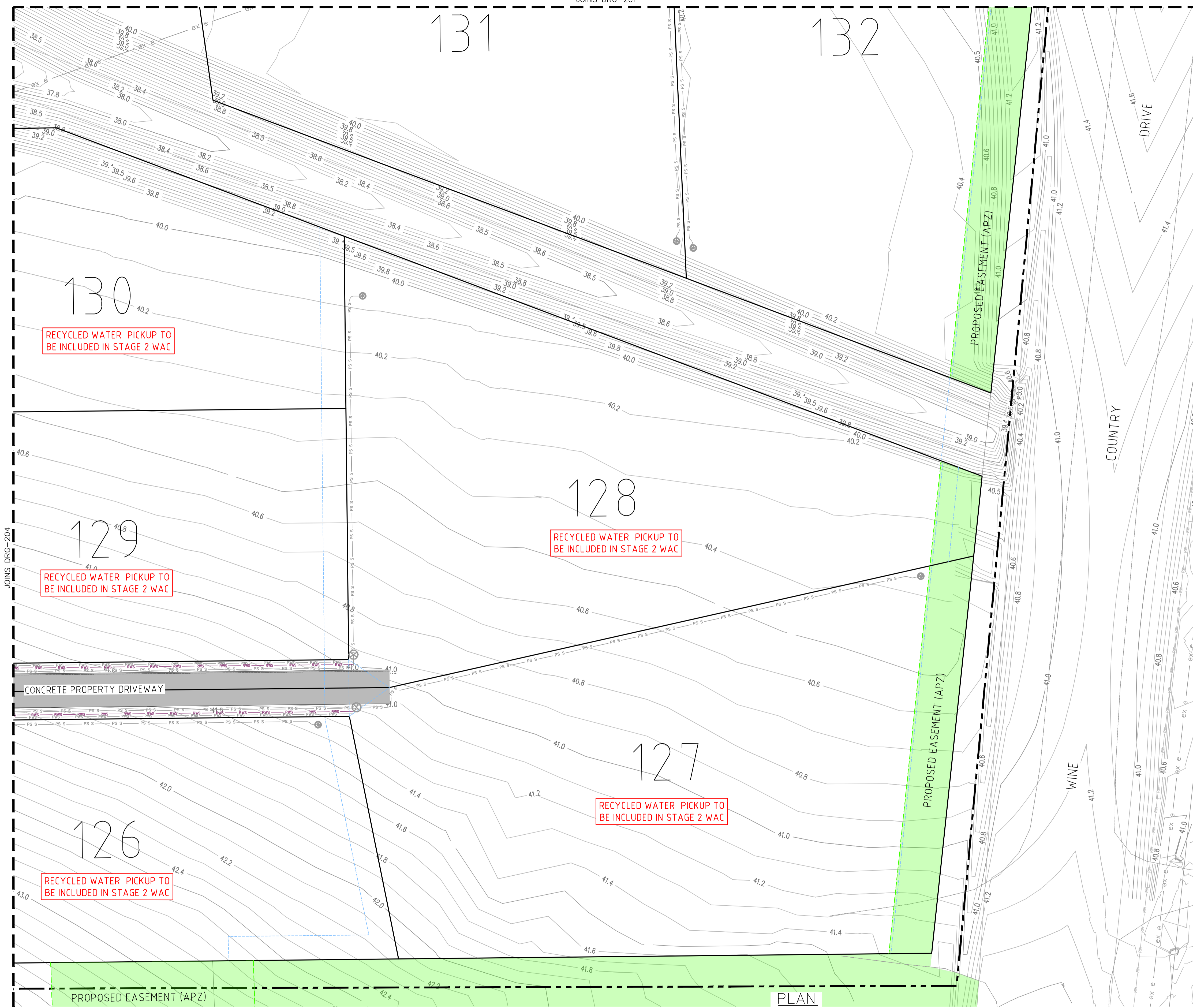
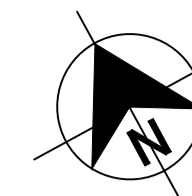
PLAN TITLE RECYCLED WATER DETAIL PLAN - SHEET 1

PROJECT No. 190274(ARIA)1	DISCIPLINE WAT	NUMBER 201	REV. 2
---------------------------	----------------	------------	--------

190274(ARIA)1-WAC-210

JOINS DRG-201

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



LEGEND

- W --- W --- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - RW --- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RWS --- RWS --- PE RECYCLED WATER PROPERTY SERVICE
 - SP --- SP --- SP --- PE PRESSURE SEWER RETICULATION
 - PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - SW --- SW --- SW --- STORMWATER PIPEWORK
 - PW DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 --- PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 --- PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 225° 45° 80° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

RECYCLED WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

RECYCLED WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

RECYCLED WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

RECYCLED WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

RECYCLED WATER PICKUP TO BE INCLUDED IN STAGE 2 WAC

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS
- TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
- SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL NAME
 SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
 E: 345612.942 MGA Datum: GDA94
 N: 638278.917 MGA Zone: 56
 RL: 77.675



AS CONSTRUCTED

100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

SCALES
 0 5 10 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
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 ABN 62 129 445 398

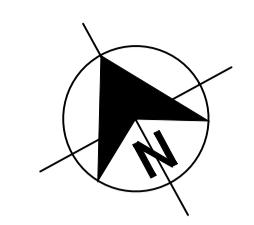
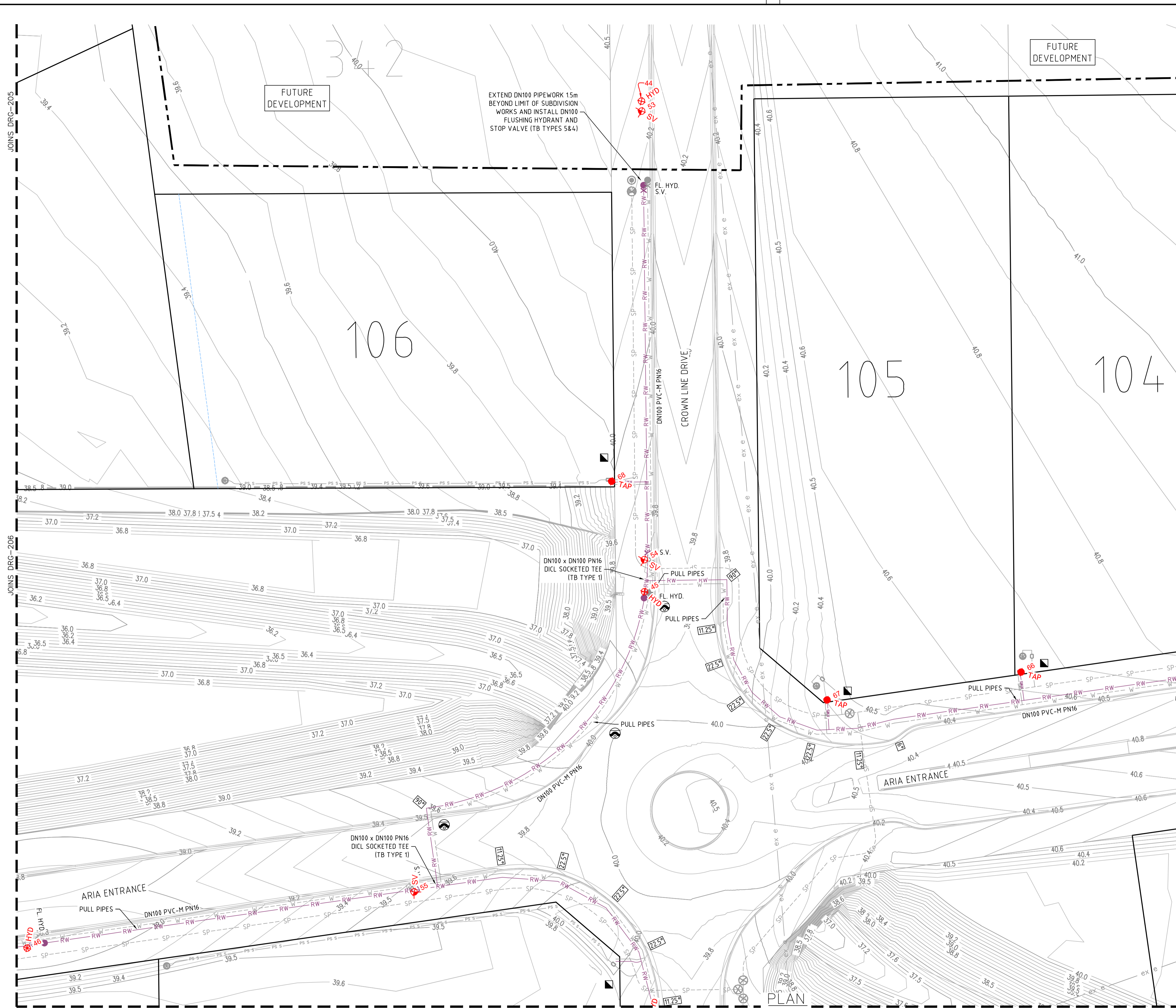
CLIENT
altogether.

PROPERTY DESCRIPTION
 ARIA - STAGE 1
 WINE COUNTRY DRIVE
 HUNTLÉE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 2		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	WAT	202	2

190274(ARIA)1-WAC-210

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.



APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- W - - - - - W PVC-M POTABLE WATER RETICULATION
 - PWS - - - - - PWS PE POTABLE WATER PROPERTY SERVICE
 - RW - - - - - RW PVC-M RECYCLED WATER RETICULATION
 - RWS - - - - - RWS PE RECYCLED WATER PROPERTY SERVICE
 - SP - - - - - SP PE PRESSURE SEWER RETICULATION
 - PS S - - - - - PS S PE PRESSURE SEWER PROPERTY SERVICE
 - SW - - - - - SW STORMWATER PIPEWORK
 - PW DN100 PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 22.5° 45° 80° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL NAME
SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE []/[]/[]
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
PM 20029 Co-Ord System: MGA Ground
E: 345612.942 MGA Datum: GDA94
N: 638278.917 MGA Zone: 56
RL: 71.675



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

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

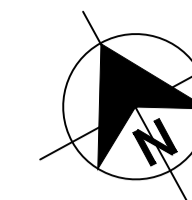
adw Johnson
Hunter Office
Unit 7/335 Hillsborough Rd
Warners Bay N.S.W. 2282
Phone: (02) 4978 5100
Fax: (02) 4978 5199
email: hunter@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

altogether.

CLIENT
PROPERTY DESCRIPTION
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 3		
PROJECT No.	190274(ARIA)1	DISCIPLINE	WAT
NUMBER	203	REV.	2

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- W - - - - - W - - - - - PVC-M POTABLE WATER RETICULATION
 - PWS - - - - - PWS - - - - - PE POTABLE WATER PROPERTY SERVICE
 - RW - - - - - RW - - - - - PVC-M RECYCLED WATER RETICULATION
 - RWS - - - - - RWS - - - - - PE RECYCLED WATER PROPERTY SERVICE
 - SP - - - - - SP - - - - - PE PRESSURE SEWER RETICULATION
 - PS S - - - - - PS S - - - - - PE PRESSURE SEWER PROPERTY SERVICE
 - SW - - - - - SW - - - - - STORMWATER PIPEWORK
 - PW DN100 - - - - - PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 - - - - - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 - - - - - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN
 - - - - - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL NAME
SIGNED DATE 13-06-2024 SIGNED _____ DATE _____
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

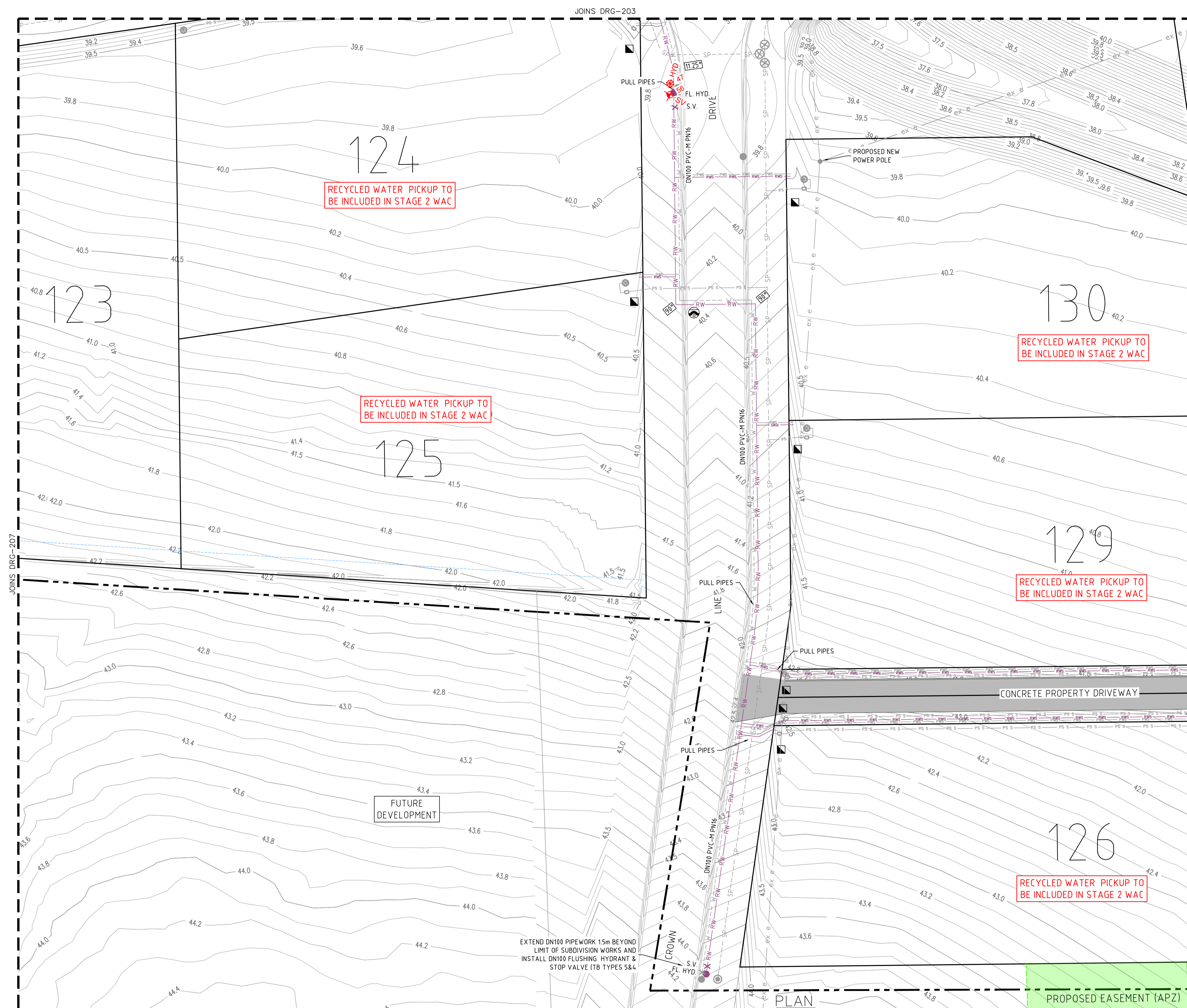
PM 20029 Co-Ord System: MGA Ground
E: 345612.942 MGA Datum: GDA94
N: 639278.917 MGA Zone: 56
RL: 71.675



AS CONSTRUCTED

190274(ARIA)1-WAC-210

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.



EXTEND DN100 PIPEWORK 15m BEYOND LIMIT OF SUBDIVISION WORKS AND INSTALL DN100 FLUSHING HYDRANT & STOP VALVE (TB TYPES 5&4)

PLAN
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	 A1 / A3 1:250 / 1:500
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

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

CLIENT
altogether.

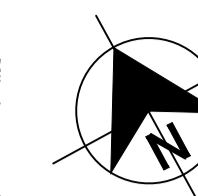
PROPERTY DESCRIPTION
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 4		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	WAT	204	2

APPROVED FOR CONSTRUCTION

BY ADW Johnson Pty Ltd

Date Approved: 18-07-2023



LEGEND

- W --- W --- W --- W --- PVC-M POTABLE WATER RETICULATION
- PWS --- PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
- RW --- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
- RWS --- RWS --- RWS --- PE RECYCLED WATER PROPERTY SERVICE
- SP --- SP --- SP --- PE PRESSURE SEWER RETICULATION
- PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
- SW --- SW --- SW --- STORMWATER PIPEWORK
- PW DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
- RW DN100 --- PVC-M RECYCLED WATER LEAD-IN MAIN
- PS DN125 --- PE PRESSURE SEWER LEAD-IN MAIN

- S.V. STOP VALVE
- S.V. N.C. STOP VALVE NORMALLY CLOSED
- HYD. HYDRANT
- FL. HYD. FLUSHING HYDRANT
- PROPERTY SERVICE CONNECTION
- LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- HORIZONTAL BEND ANGLE IN MAIN
 112.5° 122.5° 145° 180°
- --- --- --- LIMIT OF SUBDIVISION WORKS

RECYCLED WATER PROPERTY SERVICE CONNECTIONS

- TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
- SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

NOTES:

1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
2. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
3. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED DATE 13-06-2024 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
 E: 345612.942 MGA Datum: GDA94
 N: 638278.917 MGA Zone: 56
 RL: 71.675



AS CONSTRUCTED

190274(ARIA)1-WAC-210

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.



PLAN SCALE 1: 250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

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

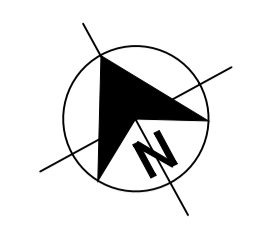
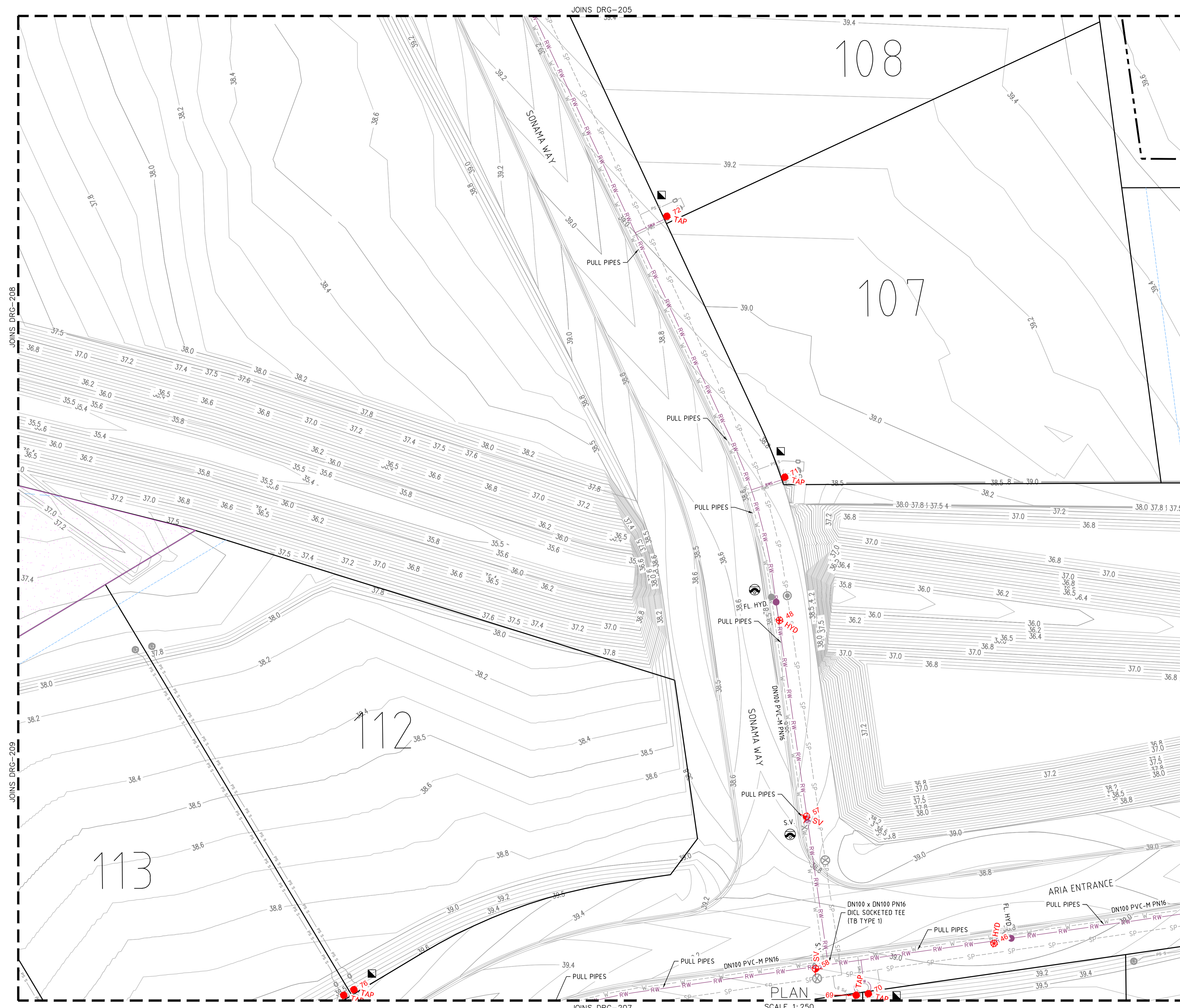
CLIENT

PROPERTY DESCRIPTION
 ARIA - STAGE 1
 WINE COUNTRY DRIVE
 HUNTLLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 5		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	WAT	205	2

190274(ARIA)1-WAC-210

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.



APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- W - - - - - PVC-M POTABLE WATER RETICULATION
 - PWS - - - - - PE POTABLE WATER PROPERTY SERVICE
 - RW - - - - - PVC-M RECYCLED WATER RETICULATION
 - RWS - - - - - PE RECYCLED WATER PROPERTY SERVICE
 - SP - - - - - PE PRESSURE SEWER RETICULATION
 - PS S - - - - - PE PRESSURE SEWER PROPERTY SERVICE
 - SW - - - - - STORMWATER PIPEWORK
 - PW DN100 - - - - - PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 - - - - - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 - - - - - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - ⊠125° ⊠25° ⊠5° ⊠80° HORIZONTAL BEND ANGLE IN MAIN
 - - - - - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024 REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 6382878.917
RL: 77.675

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



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

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

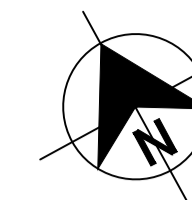
PROPERTY DESCRIPTION

ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

SURVEYED DALEY-Smith Pty Ltd
DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 6		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 206	2

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



- LEGEND**
- W - - - - - W PVC-M POTABLE WATER RETICULATION
 - PWS - - - - - PWS PE POTABLE WATER PROPERTY SERVICE
 - RW - - - - - RW PVC-M RECYCLED WATER RETICULATION
 - RWS - - - - - RWS PE RECYCLED WATER PROPERTY SERVICE
 - SP - - - - - SP PE PRESSURE SEWER RETICULATION
 - PS S - - - - - PS S PE PRESSURE SEWER PROPERTY SERVICE
 - SW - - - - - SW STORMWATER PIPEWORK
 - PW DN100 - - - - - PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 - - - - - PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 - - - - - PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 122.5° 145° 160° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE []
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

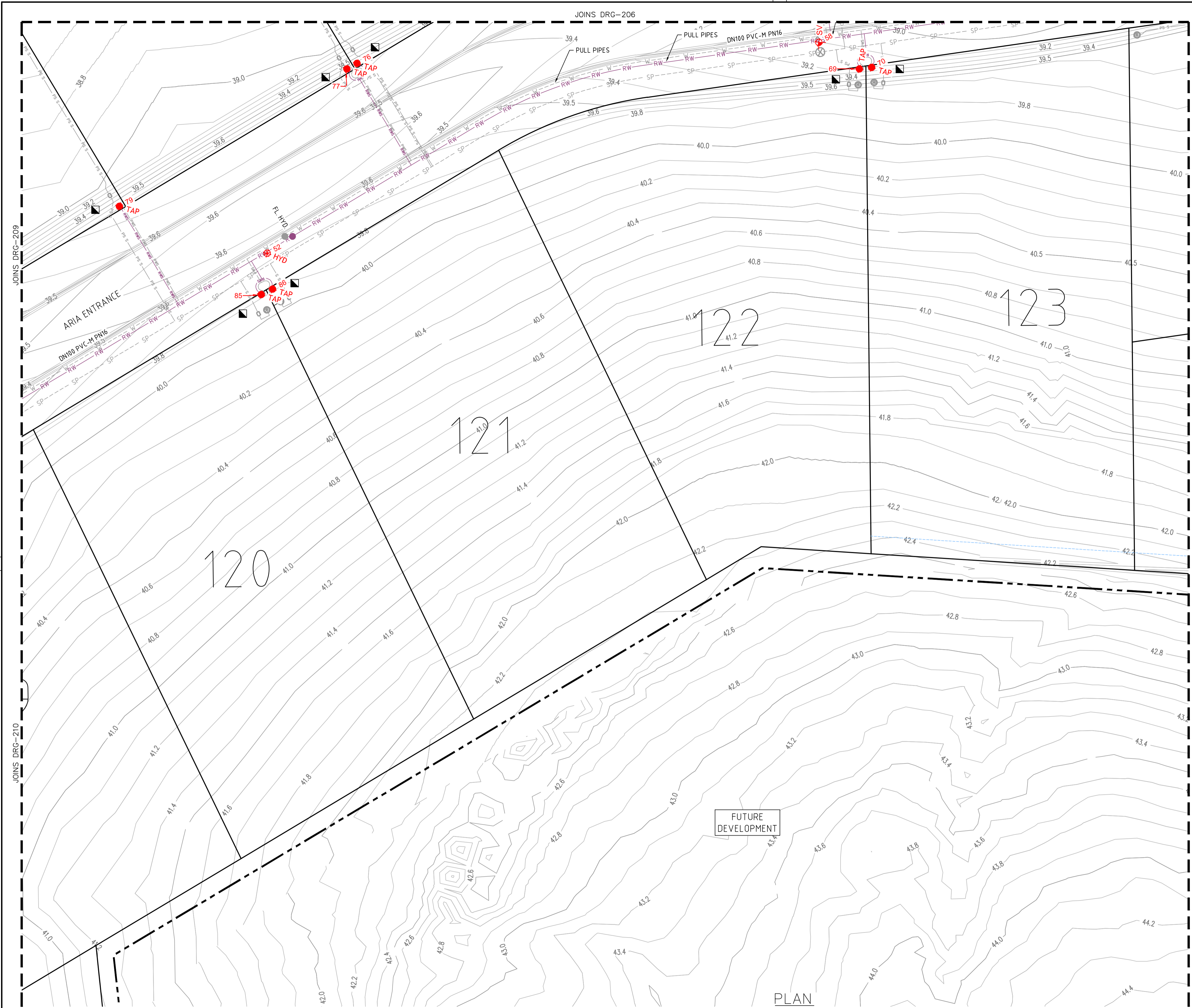
PM 20029 Co-Ord System: MGA Ground
E: 345612.942 MGA Datum: GDA94
N: 638278.917 MGA Zone: 56
RL: 77.675



AS CONSTRUCTED

190274(ARIA)1-WAC-210

100mm AT FULL SIZE
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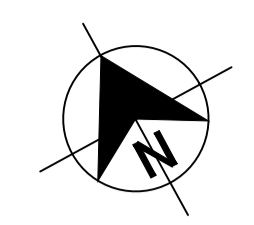
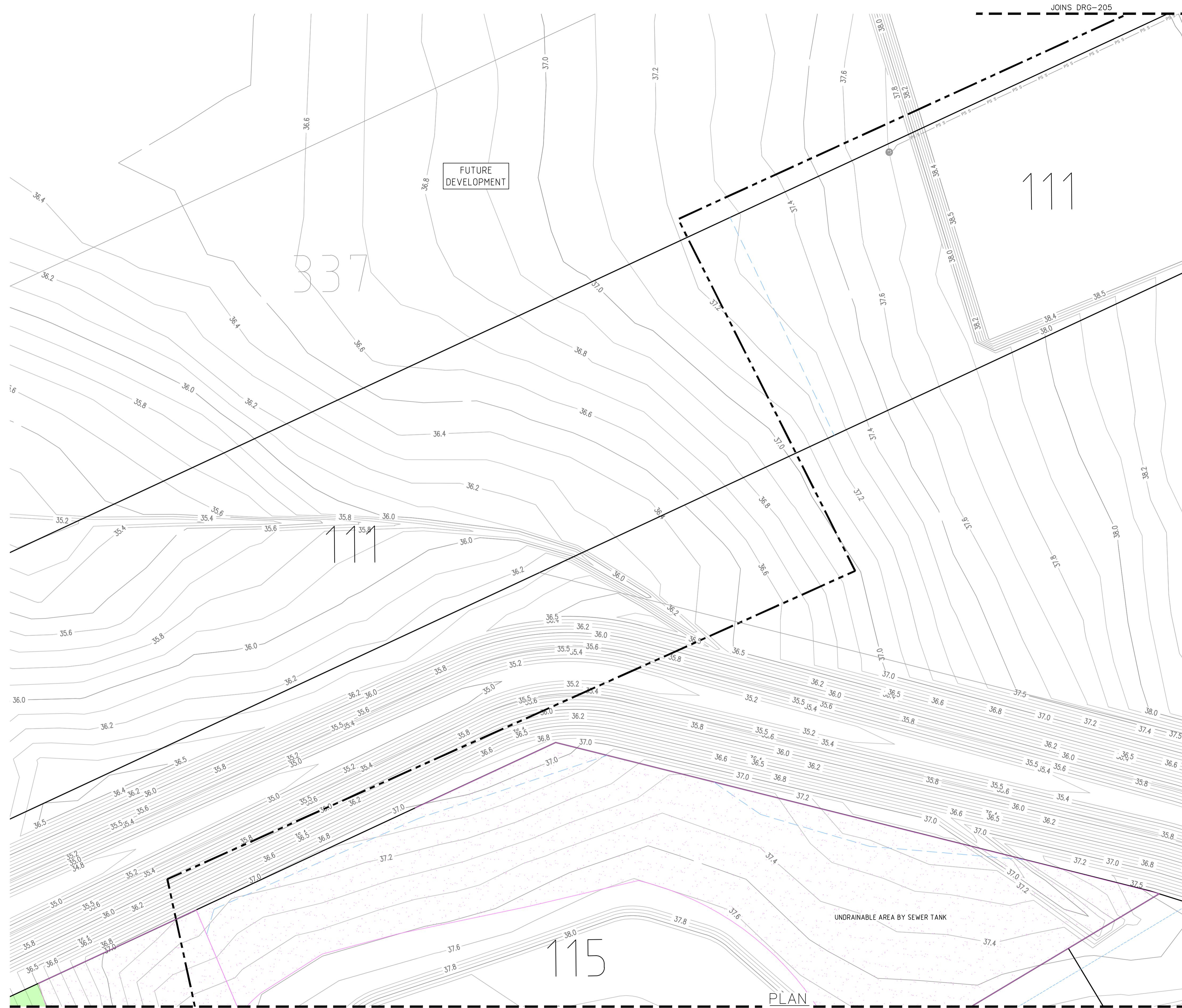


PLAN
SCALE 1: 250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		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 DALEY.Smith Pty Ltd	PROPERTY DESCRIPTION ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE RECYCLED WATER DETAIL PLAN - SHEET 7															
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	 A1 / A3 1:250 / 1:500		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 DALEY.Smith Pty Ltd	PROPERTY DESCRIPTION ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.							PLAN TITLE RECYCLED WATER DETAIL PLAN - SHEET 7		
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	PROJECT No. 190274(ARIA)1			DISCIPLINE WAT					
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	NUMBER 207			REV. 2					
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	DATE 13/06/24			Plotted By: glenns					
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	Cad File: N:\240072\DWG\Water & Sewer\Stage Aria 1 WAC\190274(ARIA)1-WAC-210.dwg			Plot Date: 13/06/24 - 16:28					
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE.			AS CONSTRUCTED					

190274(ARIA)1-WAC-210

100mm AT FULL SIZE
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APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

LEGEND

---	W	PVC-M POTABLE WATER RETICULATION
---	PWS	PE POTABLE WATER PROPERTY SERVICE
---	RW	PVC-M RECYCLED WATER RETICULATION
---	RWS	PE RECYCLED WATER PROPERTY SERVICE
---	SP	PE PRESSURE SEWER RETICULATION
---	PS S	PE PRESSURE SEWER PROPERTY SERVICE
---	SW	STORMWATER PIPEWORK
---	PW DN100	PVC-M POTABLE WATER LEAD-IN MAIN
---	RW DN100	PVC-M RECYCLED WATER LEAD-IN MAIN
---	PS DN125	PE PRESSURE SEWER LEAD-IN MAIN
⊗	S.V.	STOP VALVE
⊗	S.V. N.C.	STOP VALVE NORMALLY CLOSED
⊙	HYD.	HYDRANT
⊙	FL. HYD.	FLUSHING HYDRANT
⊠		PROPERTY SERVICE CONNECTION
⊙		LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
⊙		LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
⊠	1125° 025° 45° 80°	HORIZONTAL BEND ANGLE IN MAIN
---		LIMIT OF SUBDIVISION WORKS

RECYCLED WATER PROPERTY SERVICE CONNECTIONS

TOTAL 32 CONNECTIONS

- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
- SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd
 NAME EWEN B. RANDALL
 SIGNED [Signature] DATE 13-06-2024
 REGISTERED SURVEYOR

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

ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345612.942
 N: 6382878.917
 RL: 71.675

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



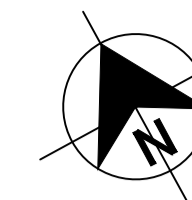
AS CONSTRUCTED

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190274(ARIA)1	WAT	208	2																																																																				

190274(ARIA)1-WAC-210

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.

JOINS DRG-208



APPROVED FOR CONSTRUCTION

BY ADW Johnson Pty Ltd

Date Approved: 18-07-2023

LEGEND

- W --- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - RW --- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RWS --- RWS --- PE RECYCLED WATER PROPERTY SERVICE
 - SP --- SP --- SP --- PE PRESSURE SEWER RETICULATION
 - PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - SW --- SW --- SW --- STORMWATER PIPEWORK
 - PW DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 --- PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN125 --- PE PRESSURE SEWER LEAD-IN MAIN
- S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LAY WATER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 122.5° 45° 80° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS
TOTAL 32 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 19 x SHORT SIDE
 - 5 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
 - 2 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	891
DN25 (LATERAL)	PE PN16	483

- NOTES:
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-301 TO 310.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024 REGISTERED SURVEYOR

COMPANY NAME
SIGNED [Signature] DATE / / CONSTRUCTION MANAGER

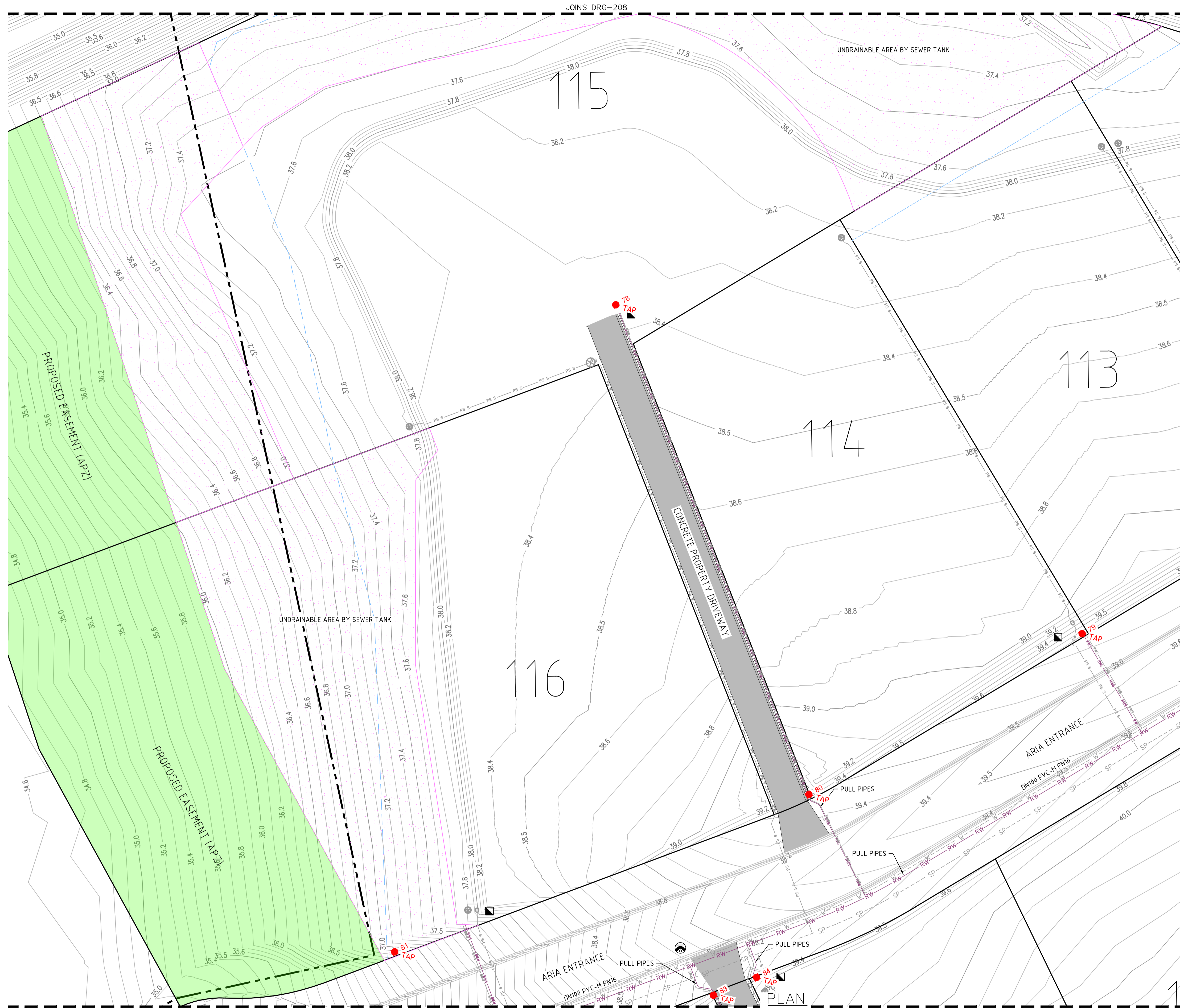
ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345612.942
N: 638278.917
RL: 71.615

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



AS CONSTRUCTED



JOINS DRG-210

SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
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DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	C.B.	C.B.	C.B.	0 5 10 A1 / A3
L.S.	C.H.	C.B.	C.H.	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

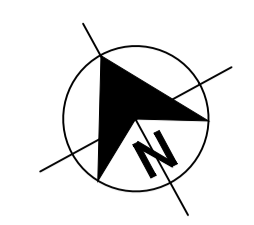
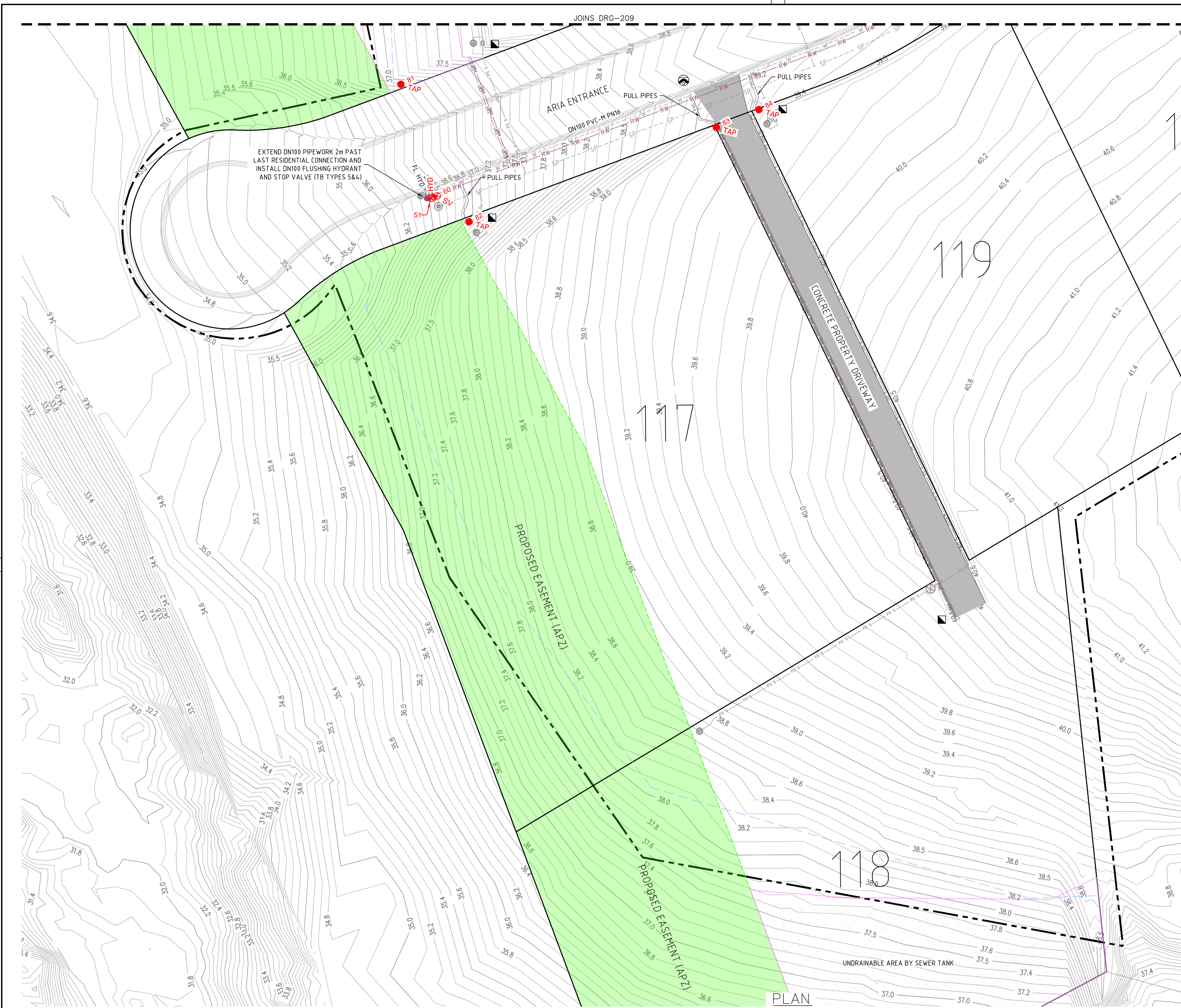
PROPERTY DESCRIPTION

ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 9		
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
DALEY.Smith Pty Ltd	GDA94 M.G.A. ZONE 56 A.H.D.	190274(ARIA)1	WAT
NUMBER	REV.		
209	2		

190274(ARIA)1-WAC-210

100mm AT FULL SIZE
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 - PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
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 - PW DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
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RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
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DN25 (LATERAL)	PE PN16	483

- NOTES:**
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COMPANY NAME
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ORIGIN OF W.A.C. LEVELS

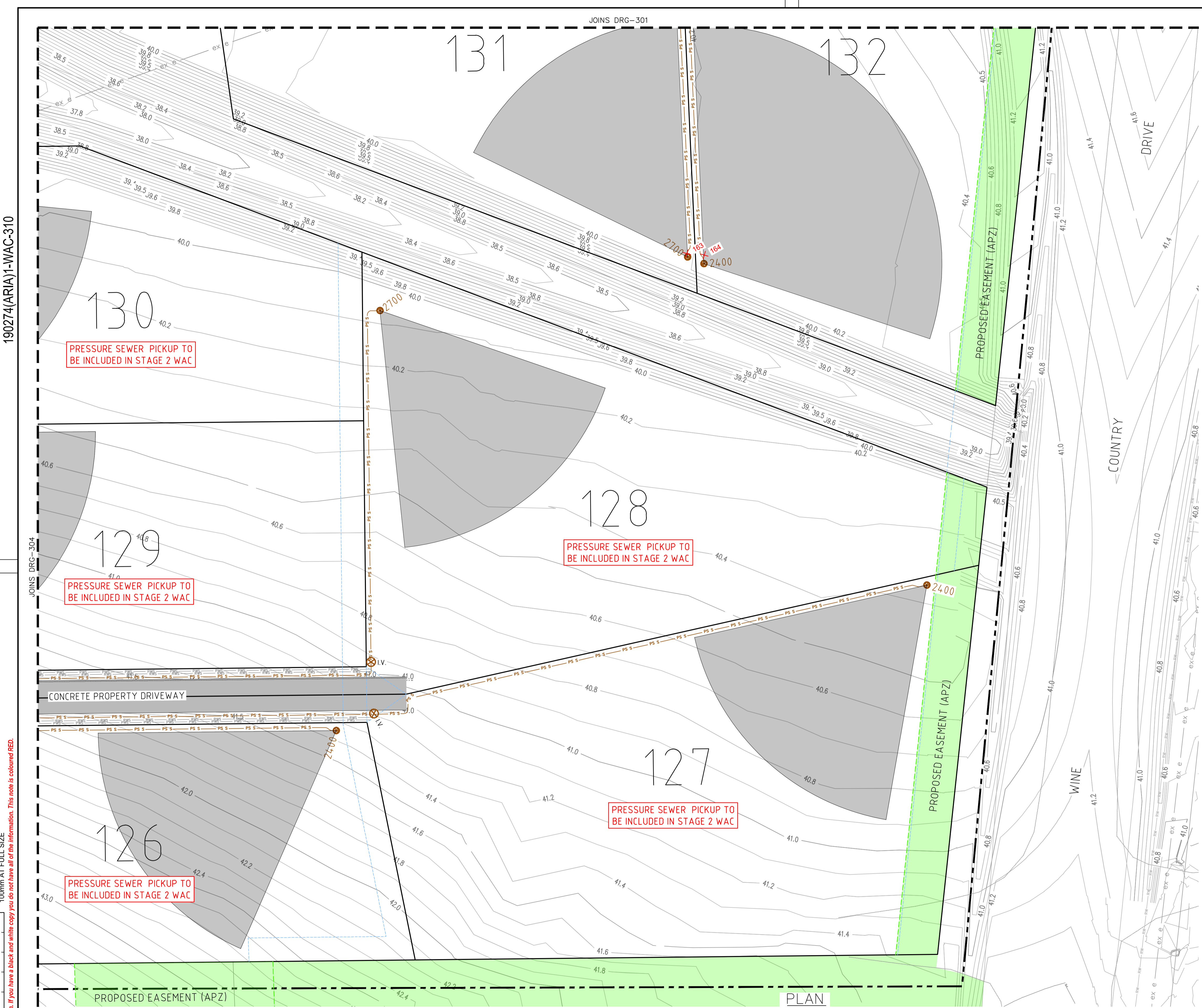
PM 20029
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N: 6382878.917
RL: 71.675

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



AS CONSTRUCTED

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 - SP --- SP --- SP --- PE PRESSURE SEWER RETICULATION
 - PS S --- PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - SW --- SW --- SW --- STORMWATER PIPEWORK
 - PWS DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 --- PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN75 --- PE PRESSURE SEWER LEAD-IN MAIN
- I.V. ISOLATION VALVE
 - I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
 - F.P. FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER FLOW DIRECTION
 - PRESSURE SEWER TEMPORARY FLOW DIRECTION
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LIMIT OF SUBDIVISION WORKS
 - LIMIT OF POWER CABLE REACH FOR STANDARD E-ONE TANKS = 30m. IF CABLE PATH FROM THE TANK TO THE ELECTRICAL CONTROL BOX IS GREATER THAN 30m, OWNER/CONSTRUCTION CONTRACTOR IS TO ADVISE ALTOGETHER GROUP OF THE NEED FOR A LONGER CABLE LENGTH TO SUIT.

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 32 CONNECTIONS
 • SINGLE SERVICES
 -24 x SHORT SIDE
 -8 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN75	PE PN16	176
DN63	PE PN16	283
DN50	PE PN16	445
DN40 (LATERAL)	PE PN16	994

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
 - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
 - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
 - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).**

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED DATE 13-06-2024 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM 20029
 E: 345612.942 Co-Ord System: MGA Ground
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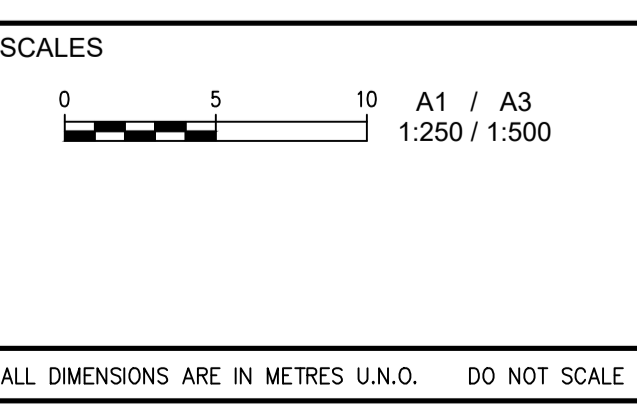
AS CONSTRUCTED

190274(ARIA)1-WAC-310

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DRAWN	CHECK	DESIGN	VERIFY
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L.S.	C.H.	C.B.	C.H.
G.S.	C.B.	C.B.	C.B.
G.S.	C.H.	C.B.	C.B.
G.S.	C.H.	C.B.	C.B.
G.S.	C.H.	C.B.	C.B.



adw Johnson

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

CLIENT

PROPERTY DESCRIPTION

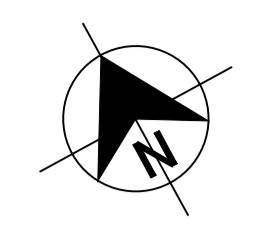
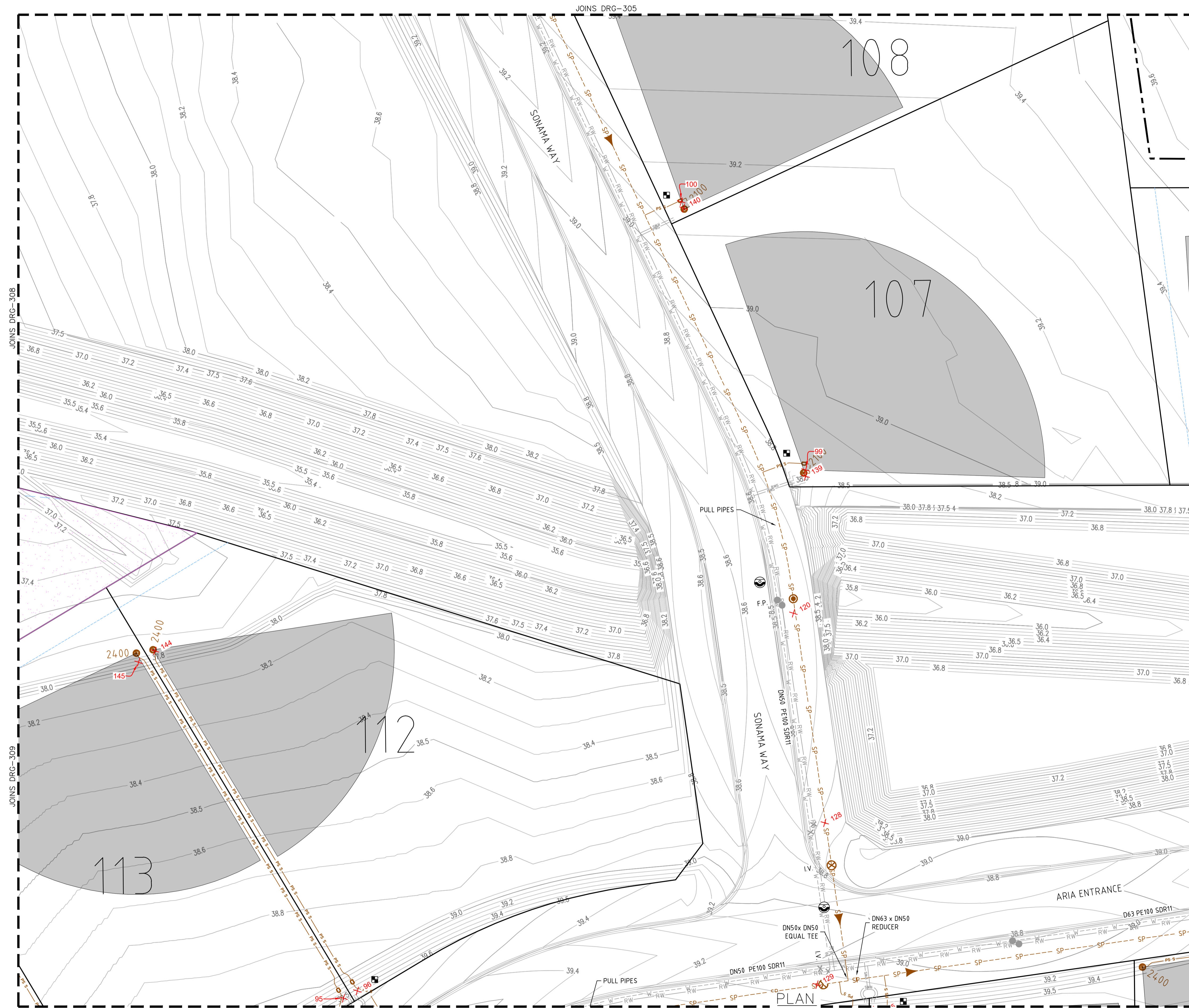
ARIA - STAGE 1
 WINE COUNTRY DRIVE
 HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION				
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 2				
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
DALEY-Smith Pty Ltd	GDA94 M.G.A. ZONE 56 A.H.D.	190274(ARIA)1	- WAT	- 302	2

190274(ARIA)1-WAC-310

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.



APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- W --- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - RW --- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RWS --- RWS --- PE RECYCLED WATER PROPERTY SERVICE
 - SP --- SP --- SP --- PE PRESSURE SEWER RETICULATION
 - PS S --- PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - SW --- SW --- SW --- STORMWATER PIPEWORK
 - PWS DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 --- PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN75 --- PE PRESSURE SEWER LEAD-IN MAIN
- I.V. ISOLATION VALVE
 - I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
 - F.P. FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER FLOW DIRECTION
 - PRESSURE SEWER TEMPORARY FLOW DIRECTION
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LIMIT OF SUBDIVISION WORKS
 - LIMIT OF POWER CABLE REACH FOR STANDARD E-ONE TANKS = 30m IF CABLE PATH FROM THE TANK TO THE ELECTRICAL CONTROL BOX IS GREATER THAN 30m, OWNER/CONSTRUCTION CONTRACTOR IS TO ADVISE ALTHOUGH THE GROUP OF THE NEED FOR A LONGER CABLE LENGTH TO SUIT.

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
- TOTAL 32 CONNECTIONS
- SINGLE SERVICES
- 24 x SHORT SIDE
- 8 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN75	PE PN16	176
DN63	PE PN16	283
DN50	PE PN16	445
DN40 (LATERAL)	PE PN16	994

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
 - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
 - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
 - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 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 EWEN B. RANDALL NAME
SIGNED DATE 13-06-2024 SIGNED _____ DATE _____
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
PM 20029
E: 345612.942 Co-Ord System: MGA Ground
N: 638278.917 MGA Datum: GDA94
RL: 77.675 MGA Zone: 56



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

adw Johnson

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

CLIENT

PROPERTY DESCRIPTION

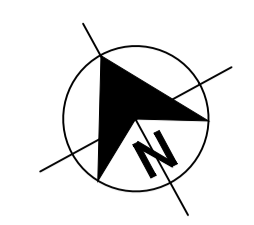
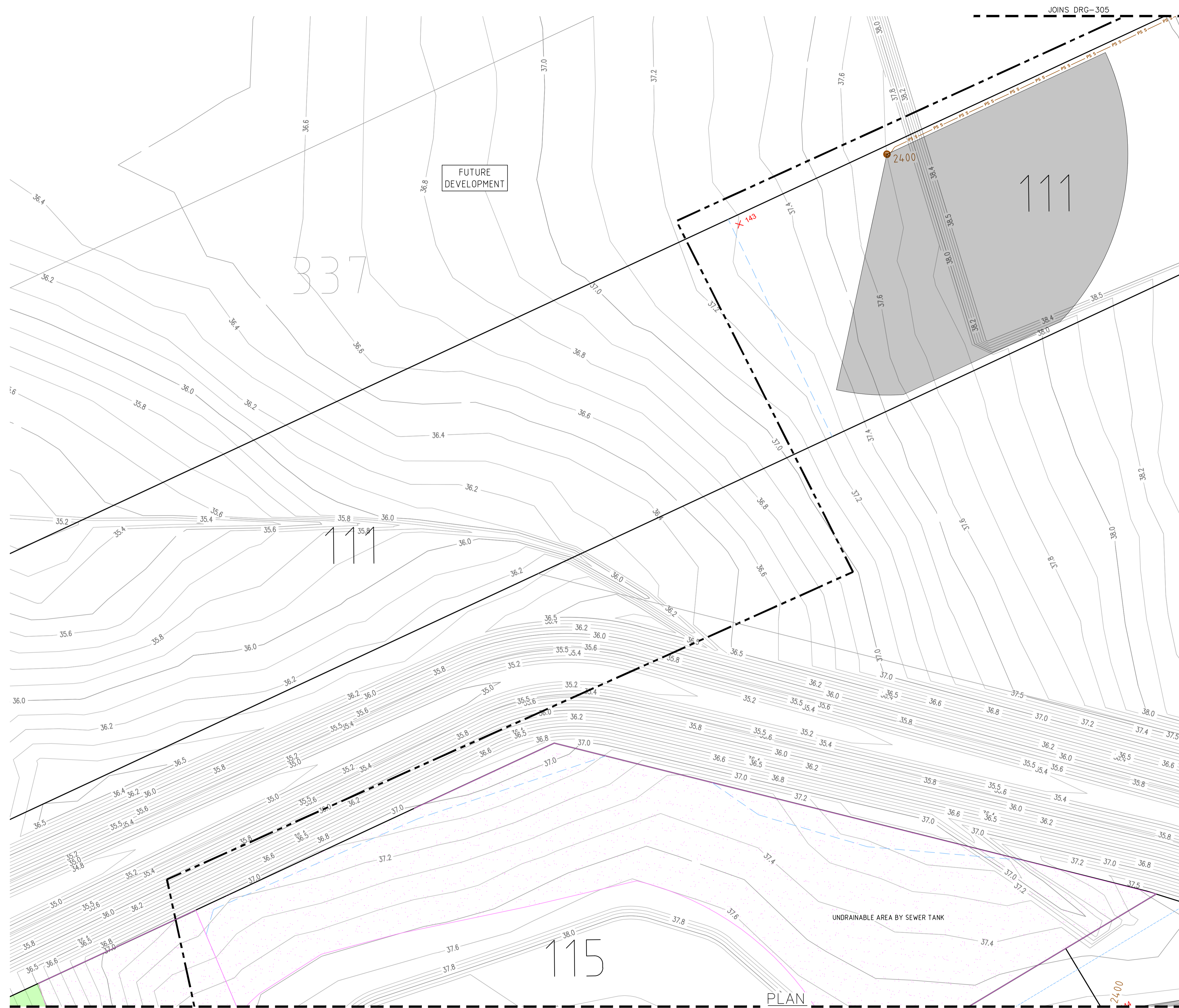
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

SURVEYED DALEY-Smith Pty Ltd
DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 6		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 306	2

190274(ARIA)1-WAC-310

100mm AT FULL SIZE
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APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
- W --- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - RW --- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RWS --- RWS --- PE RECYCLED WATER PROPERTY SERVICE
 - SP --- SP --- SP --- PE PRESSURE SEWER RETICULATION
 - PS S --- PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
 - SW --- SW --- SW --- STORMWATER PIPEWORK
 - PWS DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
 - RW DN100 --- PVC-M RECYCLED WATER LEAD-IN MAIN
 - PS DN75 --- PE PRESSURE SEWER LEAD-IN MAIN
 - I.V. [Symbol] ISOLATION VALVE
 - I.V. (N.C.) [Symbol] ISOLATION VALVE (NORMALLY CLOSED)
 - F.P. [Symbol] FLUSHING POINT
 - [Symbol] WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - [Symbol] PRESSURE SEWER FLOW DIRECTION
 - [Symbol] PRESSURE SEWER TEMPORARY FLOW DIRECTION
 - [Symbol] PROPERTY SERVICE CONNECTION
 - [Symbol] LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - [Symbol] LIMIT OF SUBDIVISION WORKS
 - [Symbol] LIMIT OF POWER CABLE REACH FOR STANDARD E-ONE TANKS = 30m. IF CABLE PATH FROM THE TANK TO THE ELECTRICAL CONTROL BOX IS GREATER THAN 30m, OWNER/CONSTRUCTION CONTRACTOR IS TO ADVISE ALTOGETHER GROUP OF THE NEED FOR A LONGER CABLE LENGTH TO SUIT.

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
TOTAL 32 CONNECTIONS
• SINGLE SERVICES
-24 x SHORT SIDE
-8 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN75	PE PN16	176
DN63	PE PN16	283
DN50	PE PN16	445
DN40 (LATERAL)	PE PN16	994

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-201 TO 210.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-402.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
 - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1115-FS.
 - CONTRACTOR MAY BEND POLYETHYLENE PIPEWORK IN PLACE OF USING STANDARD FITTINGS WITH A MIN. BENDING RADIUS OF 20 x PIPE DIAM.
 - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE [] / [] / []
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
PM 20029
E: 345612.942 Co-Ord System: MGA Ground
N: 638278.917 MGA Datum: GDA94
RL: 71.675 MGA Zone: 56



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.

DRAWN	CHECK	DESIGN	VERIFY	SCALES
G.S.	C.B.	C.B.	C.B.	0 5 10 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
altogether.

PROPERTY DESCRIPTION
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

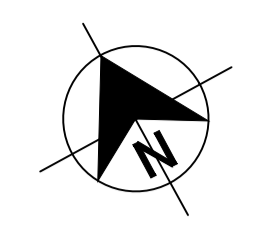
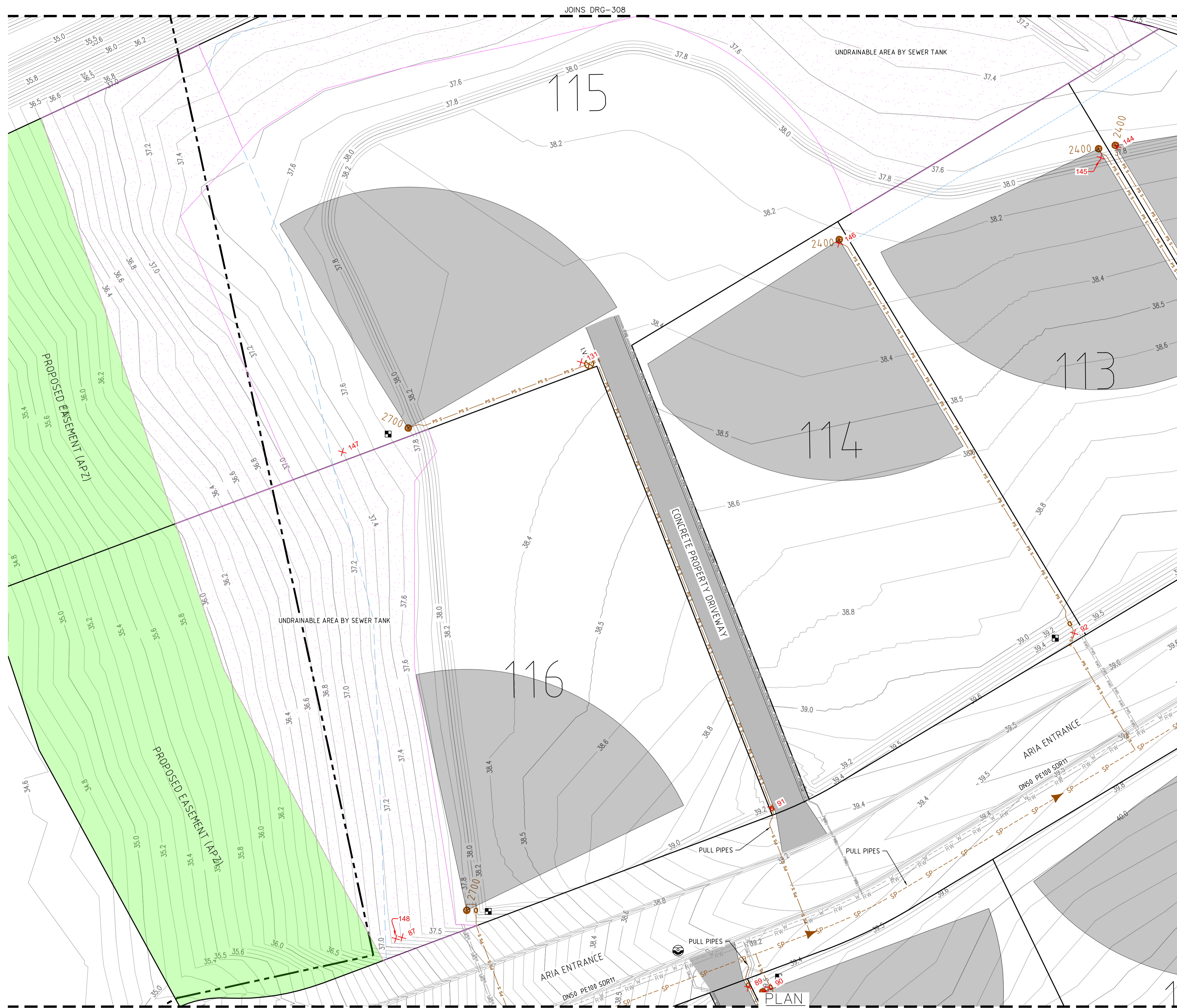
SURVEYED DALEY-Smith Pty Ltd
DATUM GDA94 M.G.A. ZONE 56 A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 8
PROJECT No.	190274(ARIA)1 - WAT
DISCIPLINE	-
NUMBER	308
REV.	2

190274(ARIA)1-WAC-310

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.



APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 18-07-2023

- LEGEND**
- W --- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - RW --- RW --- RW --- PVC-M RECYCLED WATER RETICULATION
 - RWS --- RWS --- RWS --- PE RECYCLED WATER PROPERTY SERVICE
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 - PS S --- PS S --- PS S --- PE PRESSURE SEWER PROPERTY SERVICE
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 - PWS DN100 --- PVC-M POTABLE WATER LEAD-IN MAIN
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 - PS DN75 --- PE PRESSURE SEWER LEAD-IN MAIN
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 - I.V. (N.C.) ISOLATION VALVE (NORMALLY CLOSED)
 - F.P. FLUSHING POINT
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 - PRESSURE SEWER FLOW DIRECTION
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 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LIMIT OF SUBDIVISION WORKS
 - LIMIT OF POWER CABLE REACH FOR STANDARD E-ONE TANKS = 30m. IF CABLE PATH FROM THE TANK TO THE ELECTRICAL CONTROL BOX IS GREATER THAN 30m, OWNER/CONSTRUCTION CONTRACTOR IS TO ADVISE ALTOGETHER GROUP OF THE NEED FOR A LONGER CABLE LENGTH TO SUIT.

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 32 CONNECTIONS
 • SINGLE SERVICES
 -24 x SHORT SIDE
 -8 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN75	PE PN16	176
DN63	PE PN16	283
DN50	PE PN16	445
DN40 (LATERAL)	PE PN16	994

- NOTES:**
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WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM 20029
 E: 345612.942 Co-Ord System: MGA Ground
 N: 638278.917 MGA Datum: GDA94
 RL: 71.675 MGA Zone: 56



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	A1 / A3
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	1:250 / 1:500
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

DESIGN FILE: N:\190274\190274(ARIA)\DWG\Water & Sewer\WAT\STAGE 1\190274(ARIA)1-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

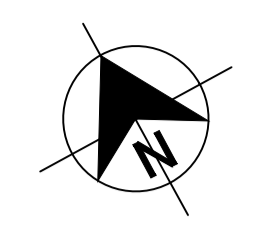
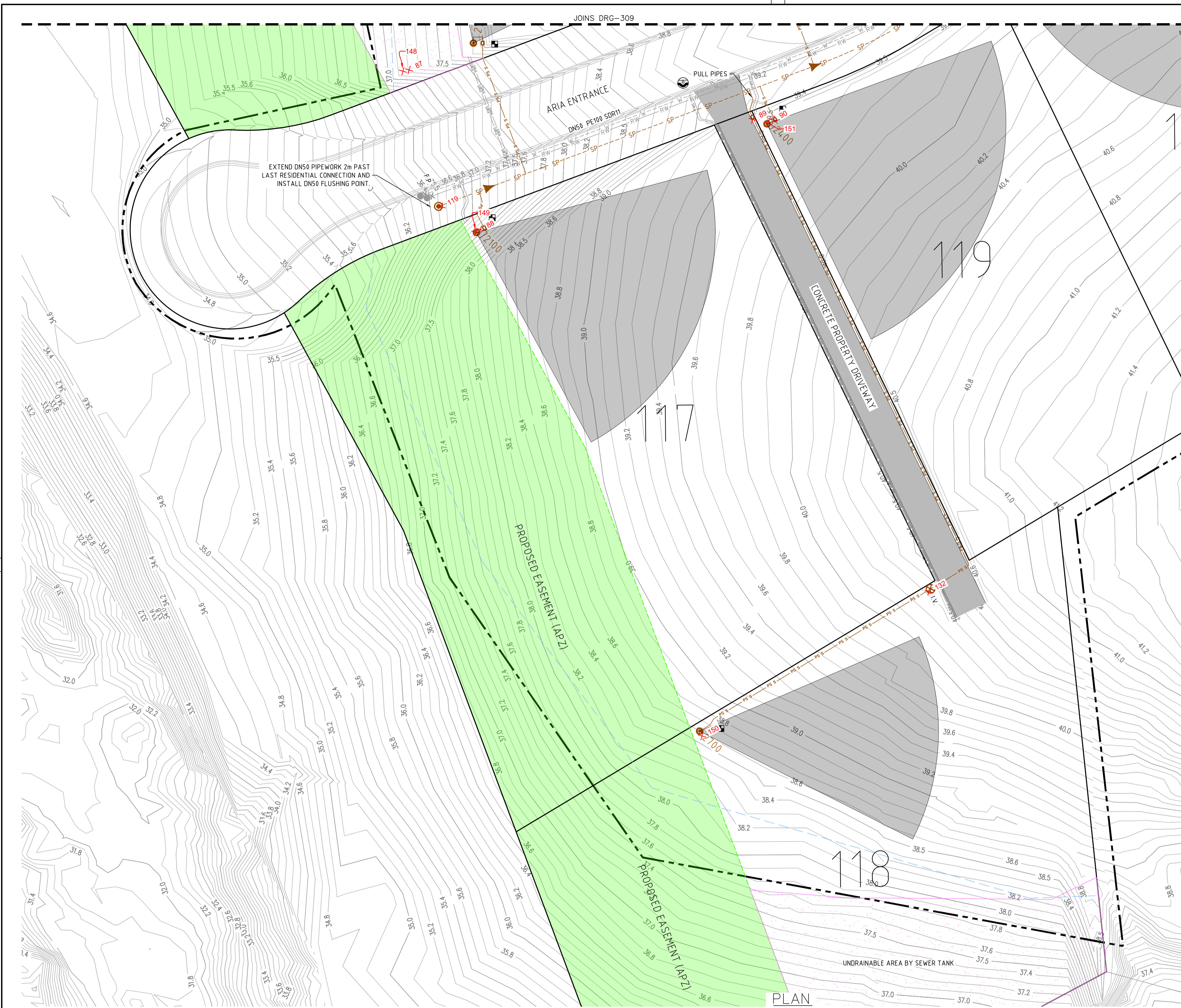
CLIENT

PROPERTY DESCRIPTION
 ARIA - STAGE 1
 WINE COUNTRY DRIVE
 HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 9		
PROJECT No.	DISCIPLINE	NUMBER	REV.
190274(ARIA)1	- WAT	- 309	2

190274(ARIA)1-WAC-310

100mm AT FULL SIZE
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APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

- LEGEND**
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 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
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- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
TOTAL 32 CONNECTIONS
• SINGLE SERVICES
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PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

COMPANY
NAME
SIGNED [Signature] DATE
CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
PM 20029
E: 345612.942
N: 638278.917
RL: 71.675
Co-Ord System: MGA Ground
MGA Datum: GDA94
MGA Zone: 56



AS CONSTRUCTED

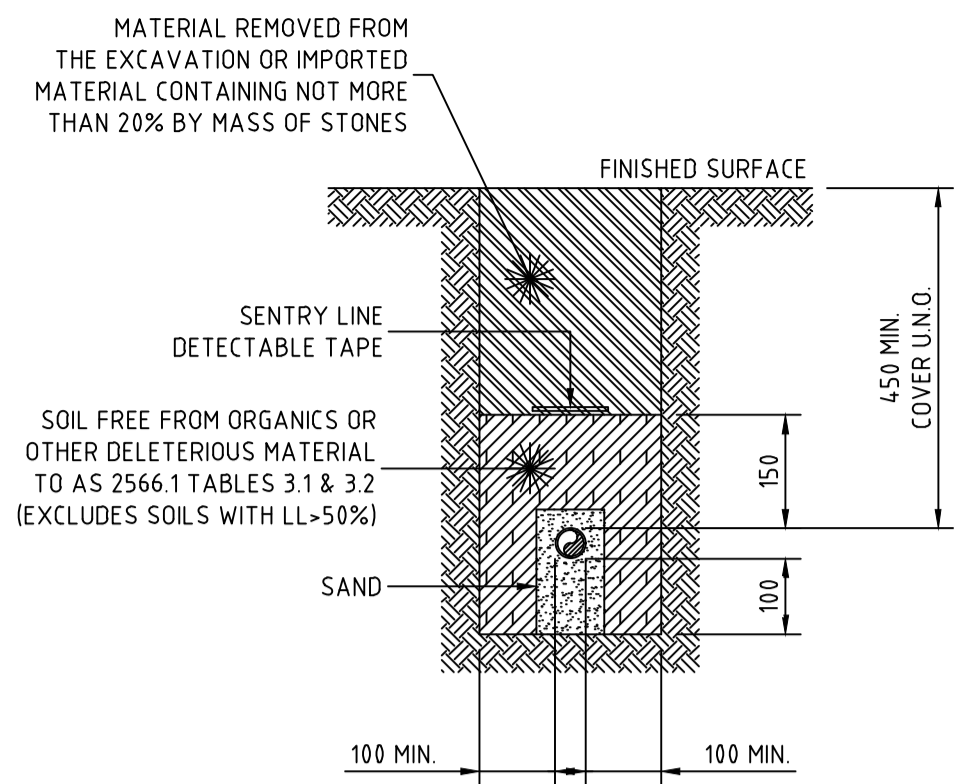
PLAN
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		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 ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION						
PLAN TITLE PRESSURE SEWER DETAIL PLAN - SHEET 10																		
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	A1 / A3 1:250 / 1:500		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 ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION						
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.						PLAN TITLE PRESSURE SEWER DETAIL PLAN - SHEET 10						
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	PROJECT No. 190274(ARIA)1 - DISCIPLINE WAT - NUMBER 310 - REV. 2											
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.												
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.												
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.												
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.												

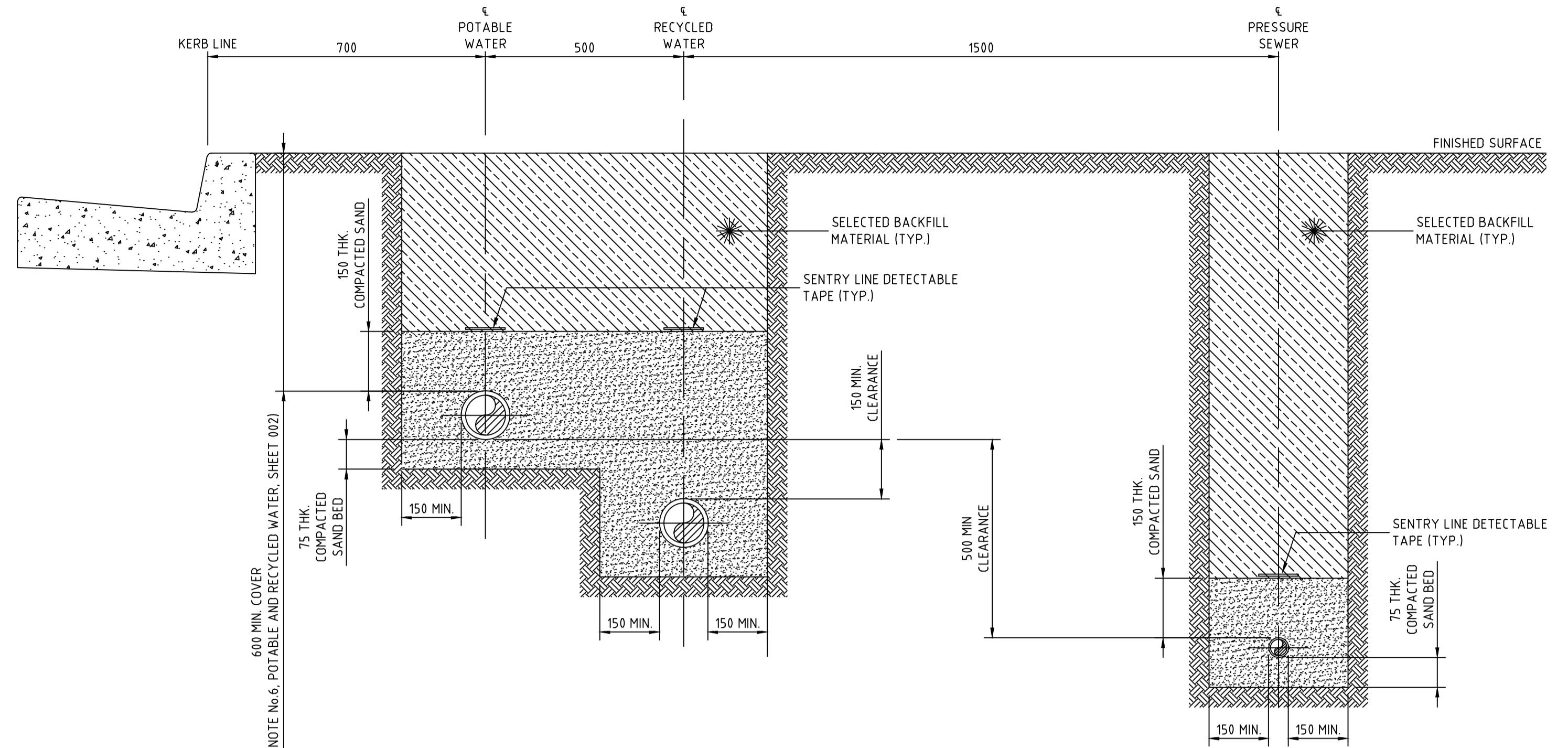
190274(ARIA)1-WAC-401

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 COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED [Signature] DATE 13-06-2024 SIGNED [Signature] DATE [Signature]
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

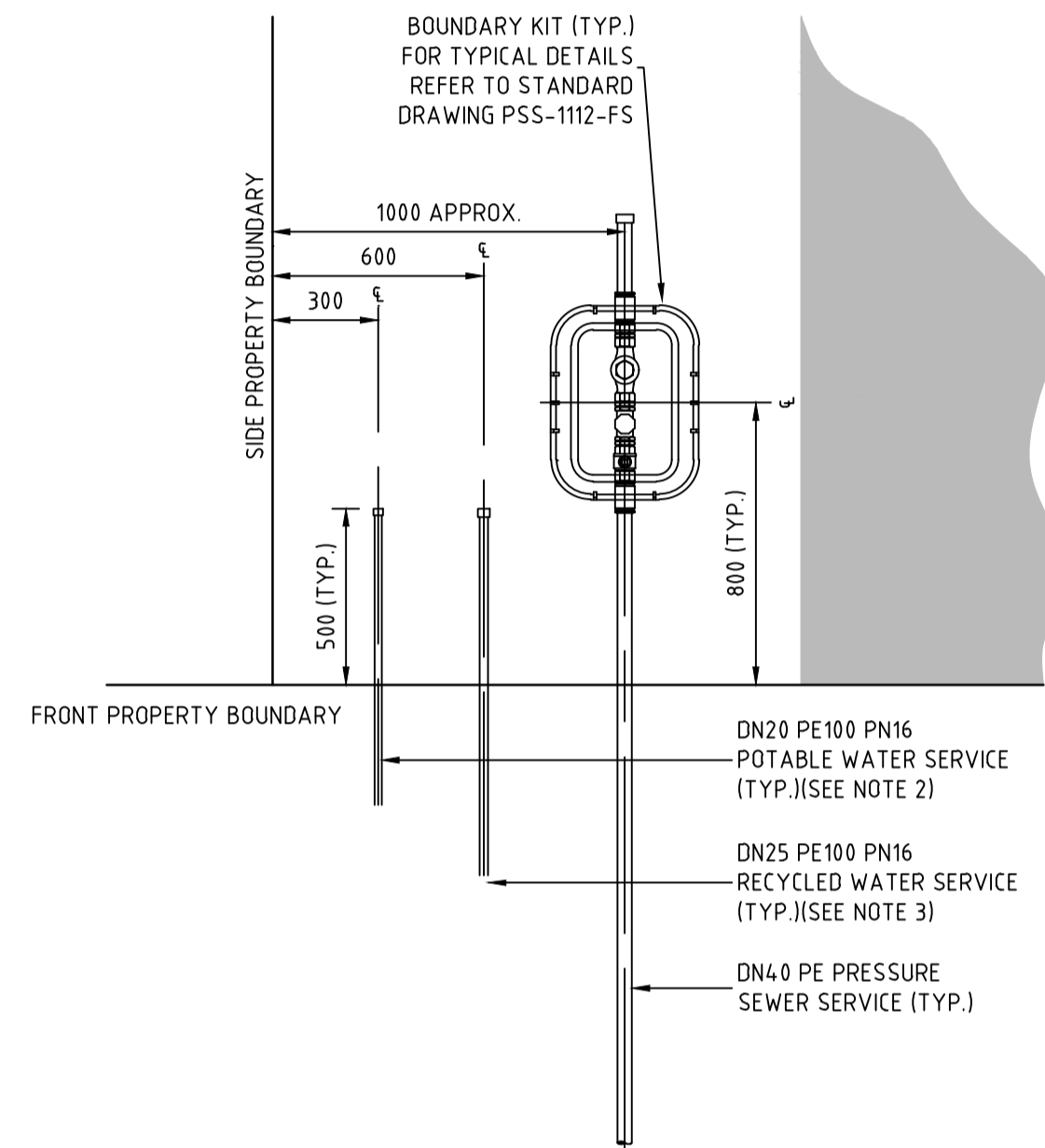
ORIGIN OF W.A.C. LEVELS
 PM 20029 Co-Ord System: MGA Ground
 E: 345612.942 MGA Datum: GDA94
 N: 6382878.917 MGA Zone: 56
 RL: 77.675



PRIVATE PROPERTY PRESSURE MAIN
 TYPICAL DETAIL
 SCALE 1:10



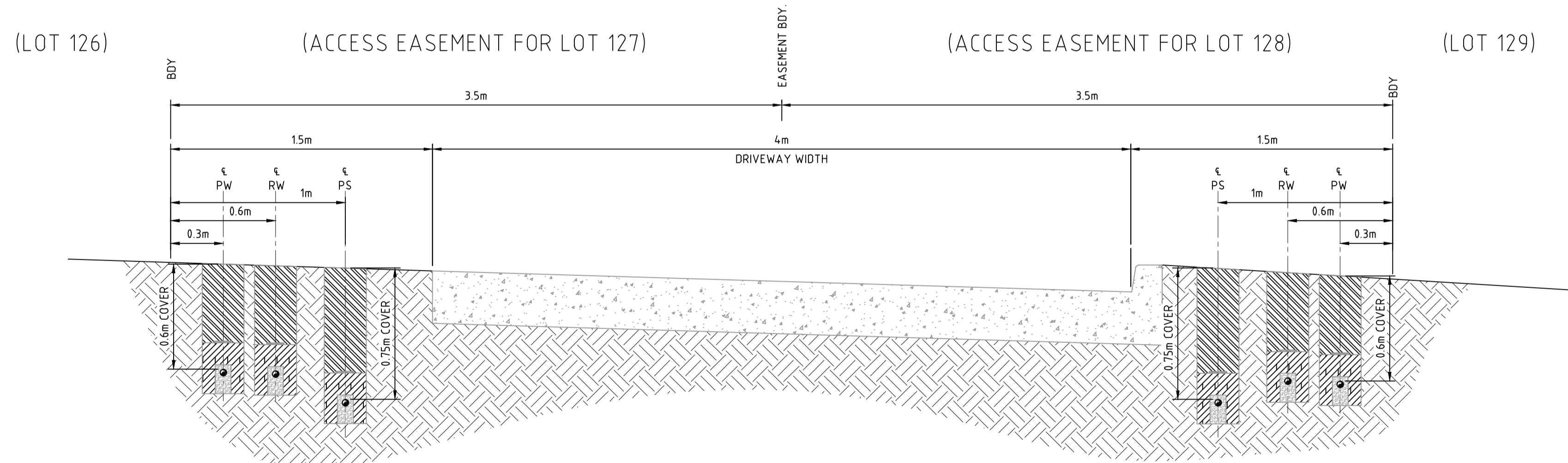
STREET PRESSURE MAIN
 TYPICAL DETAIL
 SCALE 1:10



TYPICAL PROPERTY CONNECTION DETAIL
 (PRESSURE SEWER UNIT AT REAR)
 SCALE 1:20

- NOTES:**
- PROPERTY SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH WSA STANDARD DRAWINGS FOR DUAL WATER SUPPLY SYSTEMS (SYDNEY WATER VERSION) (SUPPLEMENT TO WSA 03-2011).
 - DN20 PE100 PN16 POTABLE WATER SERVICE TO EXTEND 500mm BEYOND PROPERTY BOUNDARY AND BE CAPPED FOR LATER CONNECTION BY PROPERTY OWNER.
 - DN25 PE100 PN16 RECYCLED WATER SERVICE TO EXTEND 500mm BEYOND PROPERTY BOUNDARY AND BE CAPPED FOR LATER CONNECTION BY PROPERTY OWNER.
 - FOR PROPERTY CONNECTIONS WHERE A RETAINING WALL IS NOT PRESENT, SERVICES ARE TO BE OFFSET FROM THE PROPERTY BOUNDARY.
 - WHERE SERVICE CONNECTIONS ARE LOCATED ADJACENT TO TELSTRA PITS/ELECTRICAL PILLARS, A MINIMUM CLEARANCE OF 200mm BETWEEN PITS AND SERVICE PIPEWORK IS TO BE MAINTAINED.
 - MINIMUM BENDING RADIUS FOR PE PIPEWORK IS TO BE 20 x PIPE DIAMETER.
 - ALL POLYETHYLENE FITTINGS SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ROTATE BENDS AS NECESSARY.
 - PRESSURE SEWER UNIT (PSU) IS TO HAVE 500mm CLEARANCE FROM INTER ALLOTMENT DRAINAGE EASEMENT (IF PRESENT), REAR PROPERTY BOUNDARY RETAINING WALL (IF PRESENT) OR REAR PROPERTY BOUNDARY. PRESSURE SEWER UNIT (PSU) IS TO HAVE 2150mm CLEARANCE FROM BUILDING STRUCTURES.
 - Ø25 ELECTRICAL CONDUIT IS TO EXTEND FROM CONNECTION WITH PRESSURE SEWER UNIT (PSU) TO NOM. 500mm INSIDE FRONT PROPERTY BOUNDARY AND BE CAPPED. ELECTRICAL CONDUIT IS TO BE HEAVY DUTY ORANGE INSTALLED IN ACCORDANCE WITH 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 WITH AS3000 AT MIN 500mm COVER. ELECTRIC GROMMET SUPPLIED WITH TANK AND LOCATED LOOSE WITHIN TANK. Ø25 CONDUIT TO BE PROVIDED WITH LONG RADIUS SWEEP BEND INTO THE VERTICAL POSITION AT LEFT CAPPED ABOVE GROUND LEVEL FOR FUTURE ELECTRICAL CONNECTION BY ELECTRICIAN ONCE DWELLING IS CONSTRUCTED.

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LOTS 127&128 DRIVEWAY
 TYPICAL CROSS SECTION
 SCALE 1:20

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 18-07-2023



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

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

altogether.

CLIENT
 PROPERTY DESCRIPTION
 ARIA - STAGE 1
 WINE COUNTRY DRIVE
 HUNTLLEE

PROJECT	PLAN TITLE
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PIPEWORK TRENCHING DETAIL - SHEET 1

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.

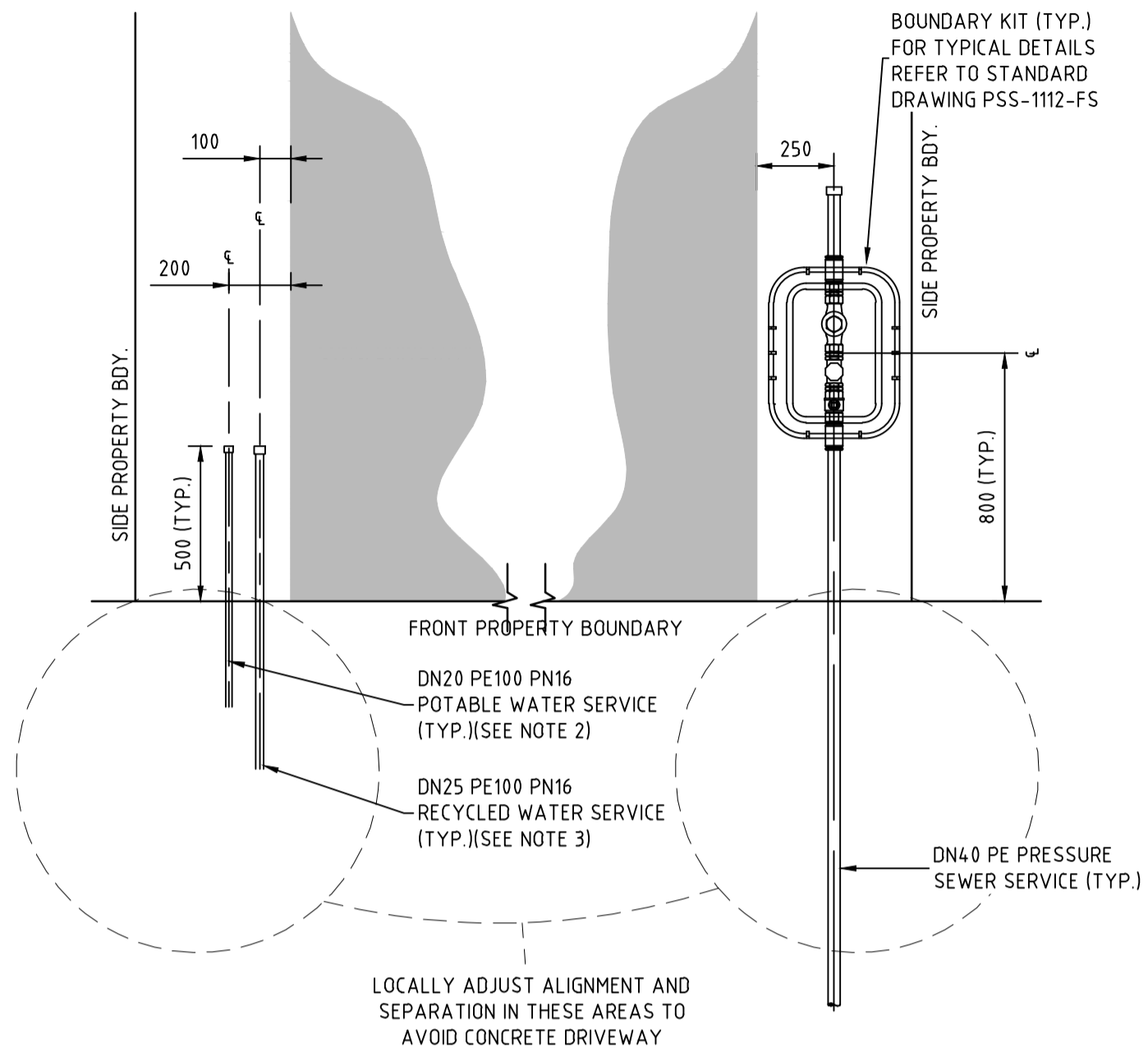
WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 07-06-2024 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADW Johnson Pty Ltd
 NAME EWEN B. RANDALL
 SIGNED [Signature] DATE 13-06-2024 REGISTERED SURVEYOR
 COMPANY NAME
 SIGNED [Signature] DATE / / CONSTRUCTION MANAGER

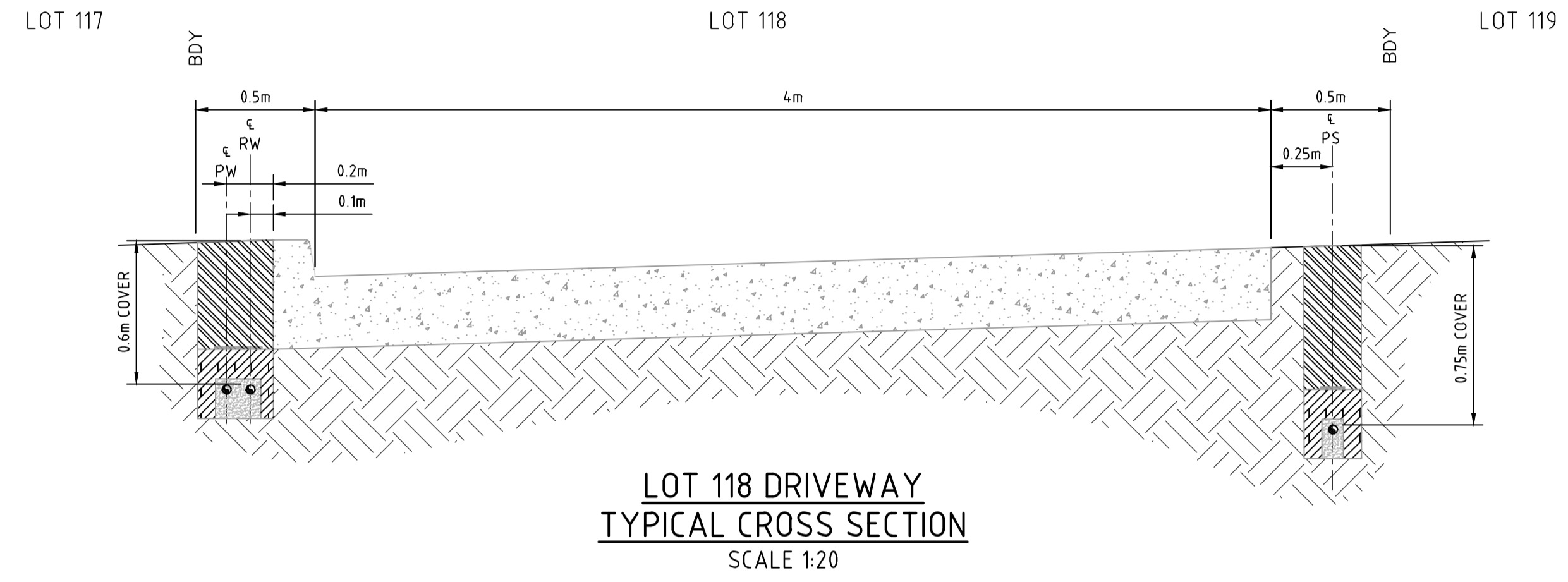
ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345612.942
 N: 6382878.917
 RL: 77.675

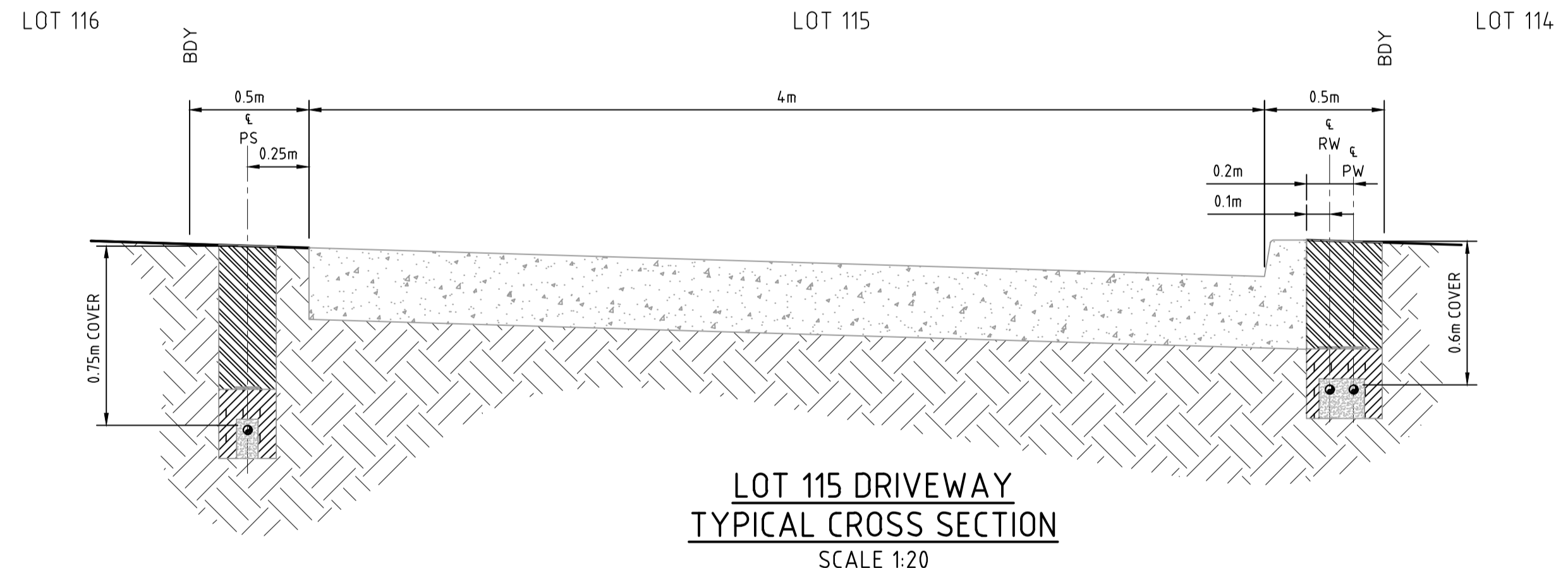
Co-Ord System: MGA Ground
 MGA Datum: GDA94
 MGA Zone: 56



TYPICAL PROPERTY CONNECTION DETAIL
 LOTS 115 & 118
 (PRESSURE SEWER UNIT AT REAR)
 SCALE 1:20



LOT 118 DRIVEWAY
 TYPICAL CROSS SECTION
 SCALE 1:20



LOT 115 DRIVEWAY
 TYPICAL CROSS SECTION
 SCALE 1:20

NOTES:

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APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 18-07-2023



AS CONSTRUCTED

100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PIPEWORK TRENCHING DETAIL - SHEET 2	190274(ARIA)1 - WAT	402	2	
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	DALEY.Smith Pty Ltd	GDA94 M.G.A. ZONE 56 A.H.D.	190274(ARIA)1 - WAT						

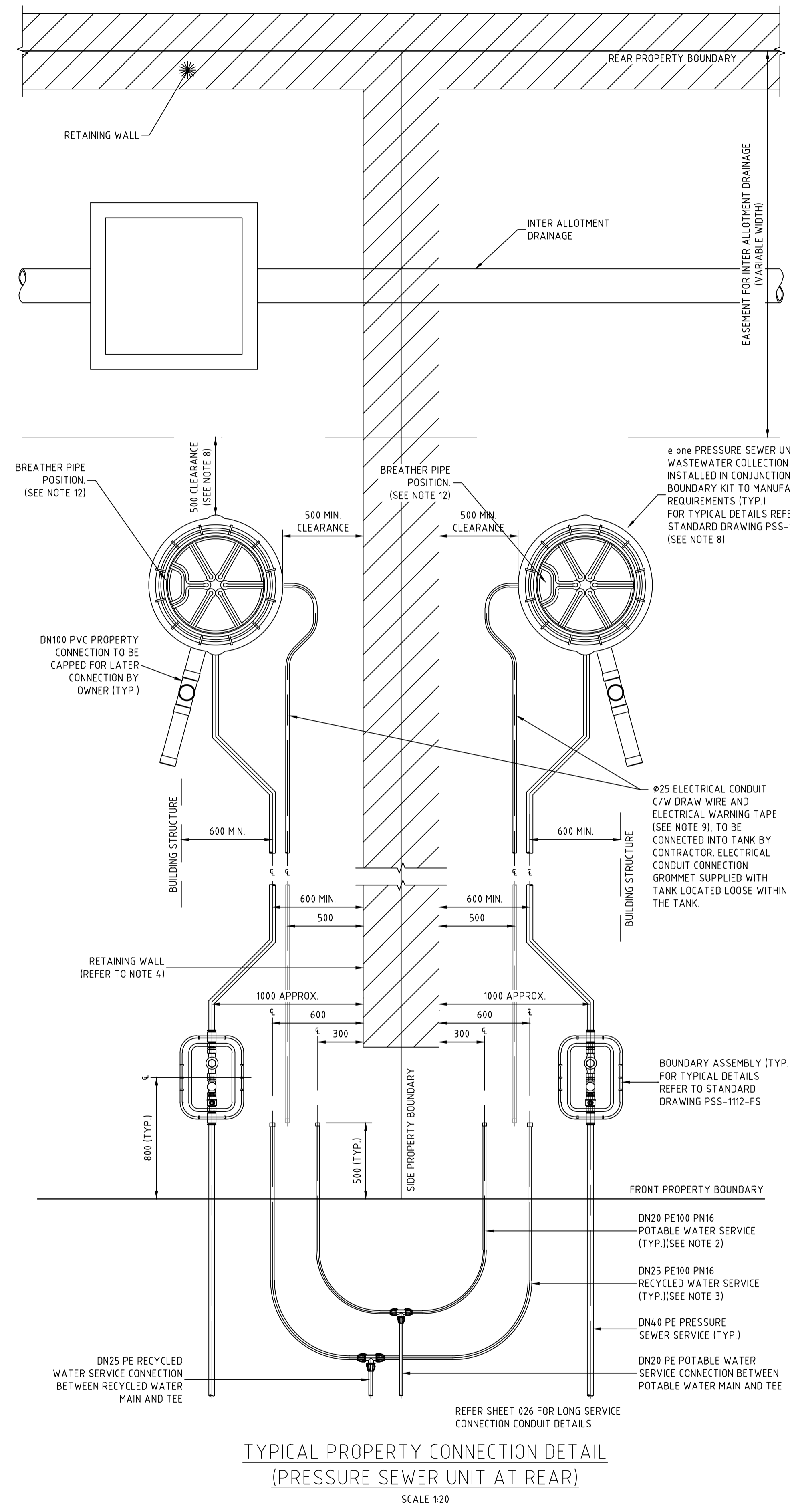
190274(ARIA)1-WAC-403

100mm AT FULL SIZE
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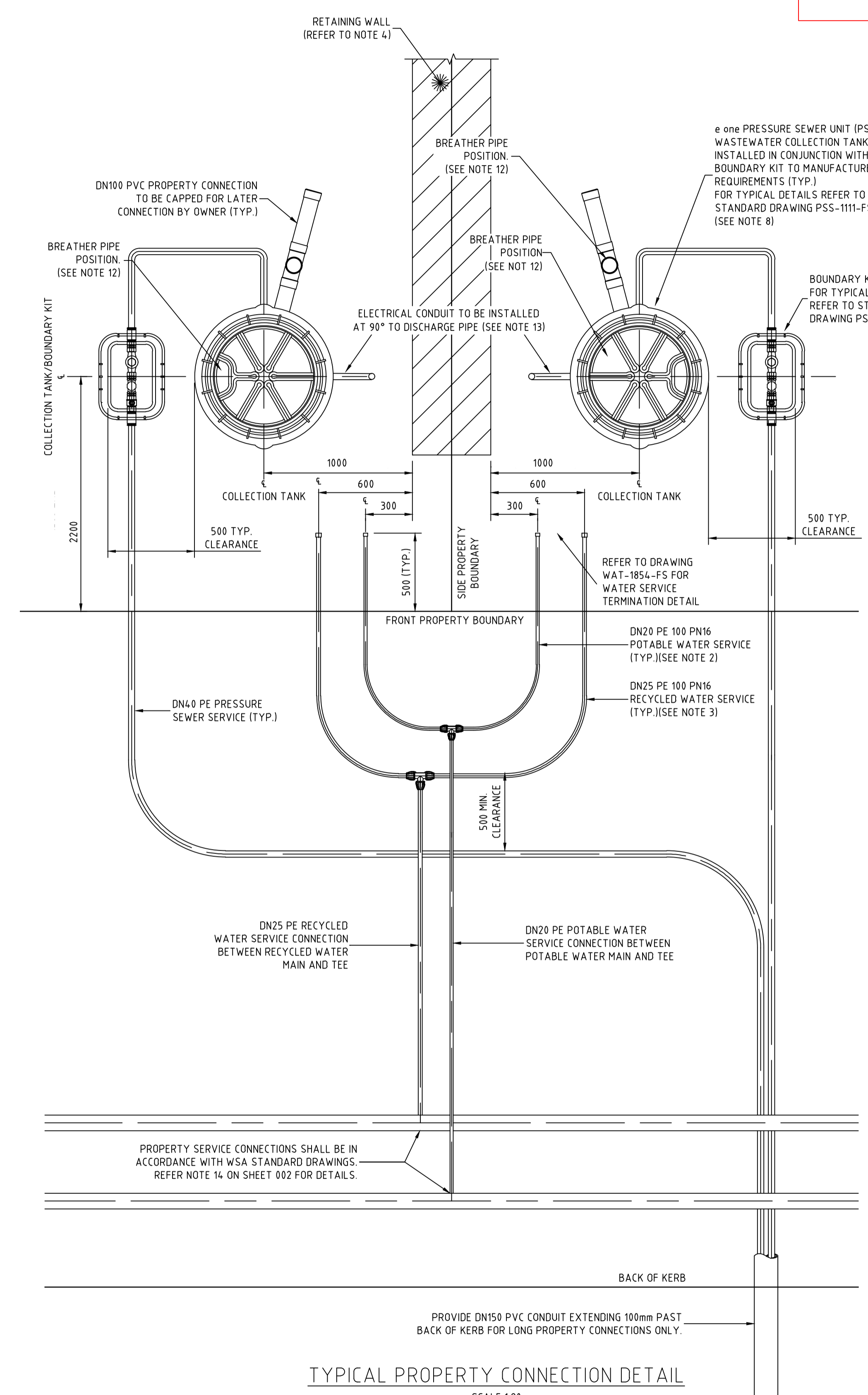
APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023

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COMPANY: ADW Johnson Pty Ltd
NAME: EWEN B. RANDALL
SIGNED: [Signature] DATE: 13-06-2024
REGISTERED SURVEYOR
COMPANY: [Blank]
NAME: [Blank]
SIGNED: [Blank] DATE: [Blank]
CONSTRUCTION MANAGER

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

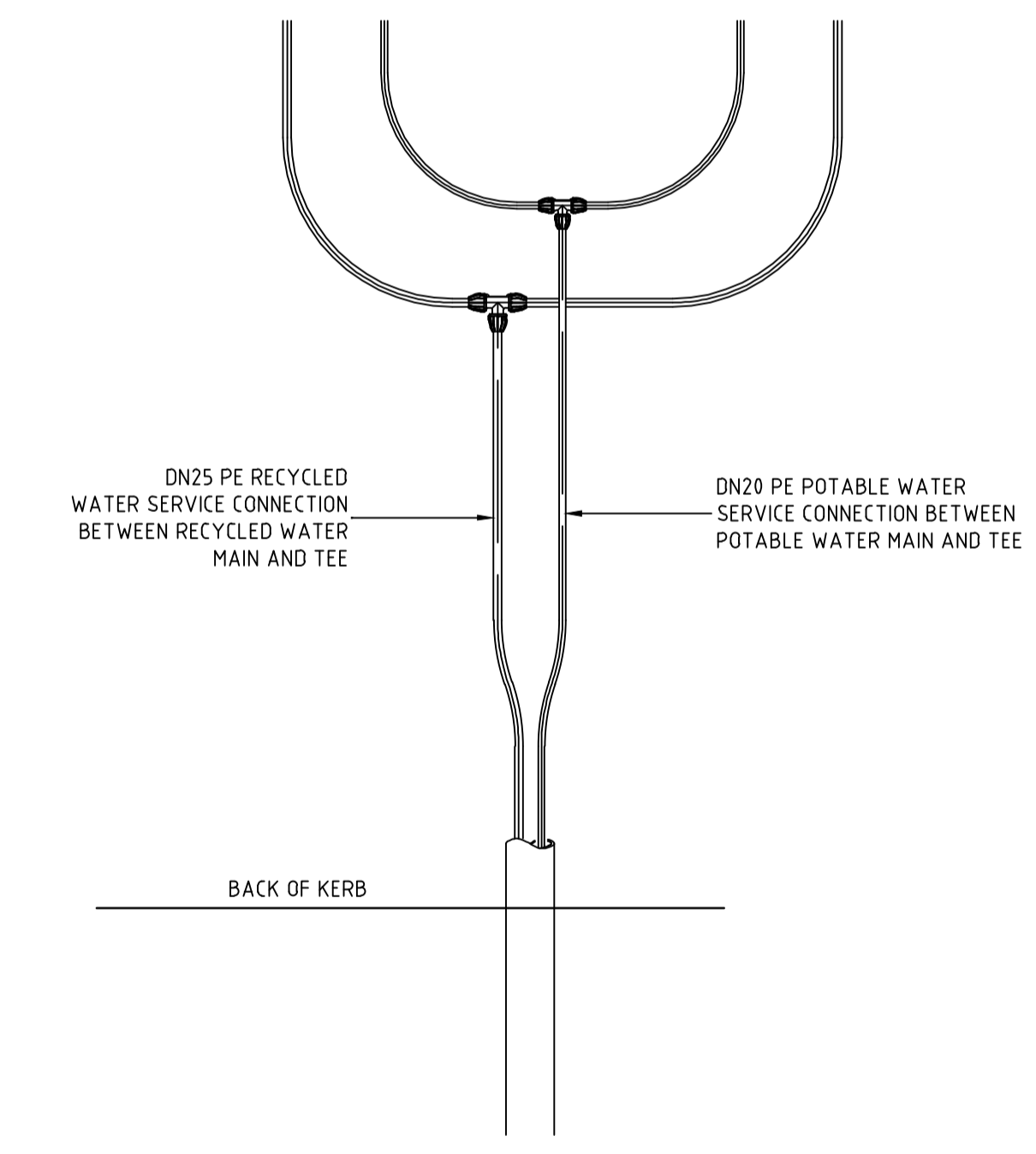


TYPICAL PROPERTY CONNECTION DETAIL
(PRESSURE SEWER UNIT AT REAR)
SCALE 1:20



TYPICAL PROPERTY CONNECTION DETAIL
SCALE 1:20

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



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PROPERTY CONNECTION DETAILS	190274(ARIA)1	- WAT	403	2
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
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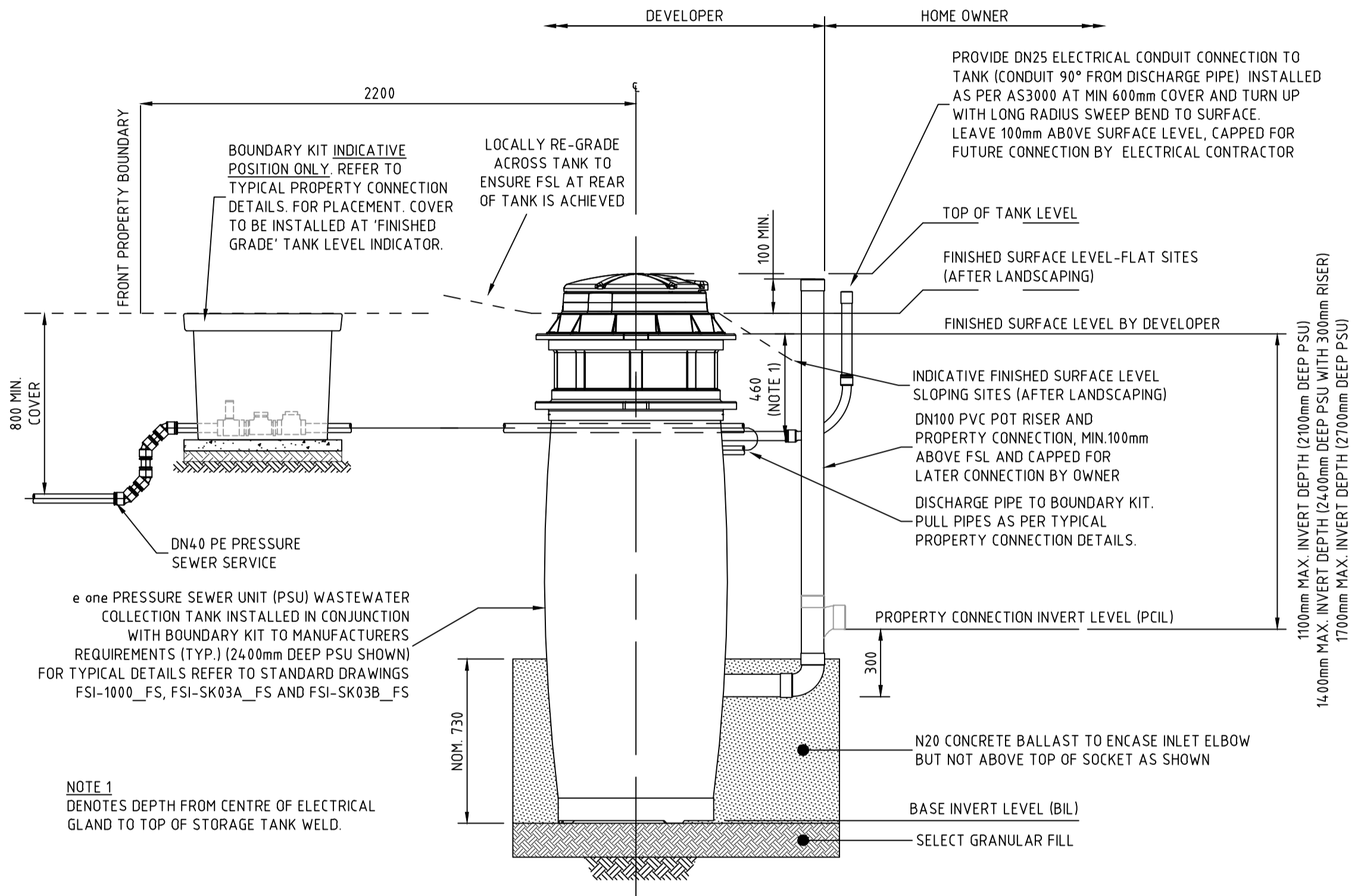
WASTEWATER COLLECTION TANK DETAILS

LOT NUMBER	TOP OF TANK	DEVELOPER FSL	BASE IL	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
101	41.7	41.42	39.27	40.09	24.00	FRONT	34.222.23	6380627.96	41.719	40.10	0.01
102	41.6	41.18	39.03	39.85	24.00	FRONT	34.493.86	6380642.76	41.486	39.87	0.02
103	41.2	40.92	38.77	39.59	24.00	FRONT	34.464.01	6380654.79	41.216	39.60	0.01
104	40.94	40.66	38.21	39.02	27.00	FRONT	34.433.78	6380666.13	40.908	38.99	-0.03
105	40.64	40.36	37.91	38.73	27.00	FRONT	34.409.27	6380675.32	40.647	38.73	0.00
106	39.52	39.24	37.39	38.21	21.00	REAR	34.405.55	6380733.62	39.475	38.16	-0.05
107	39.08	38.80	36.95	37.76	21.00	FRONT BATTER	34.4013.43	6380757.85	39.072	37.76	0.00
108	39.42	39.14	37.29	38.11	21.00	FRONT	34.4016.17	6380793.75	39.378	38.06	-0.05
109	39.7	39.42	37.57	38.39	21.00	FRONT	34.4020.05	6380852.62	39.695	38.38	-0.01
110	39.42	39.14	37.29	38.11	21.00	FRONT	34.4022.35	6380887.55	39.409	38.09	-0.02
111	37.65	37.77	35.85	36.04	24.00	REAR	34.3958.54	6380884.46	37.645	36.03	-0.01
112	38.05	37.77	35.92	36.44	24.00	REAR	34.3931.91	6380777.45	38.085	36.47	0.03
113	38.05	37.77	35.92	36.44	24.00	REAR	34.3929.88	6380778.08	38.103	36.49	0.05
114	38.49	38.21	36.36	36.88	24.00	REAR	34.3896.14	6380783.69	38.55	36.94	0.05
115	37.73	37.80	35.95	35.82	27.00	REAR	34.3837.79	6380788.90	37.786	35.87	0.05
116	37.37	37.80	35.35	35.45	27.00	FRONT	34.3815.31	6380732.74	37.393	35.48	0.03
117	37.48	37.20	35.35	36.16	21.00	FRONT BATTER	34.3804.21	6380711.72	37.493	36.18	0.02
118	38.88	38.60	36.15	36.97	27.00	FRONT	34.3798.69	6380643.35	38.945	37.03	0.06
119	39.78	39.50	37.35	38.17	24.00	FRONT BATTER	34.3842.75	6380706.13	39.882	38.27	0.10
120	40.24	39.96	38.11	38.93	21.00	FRONT BATTER	34.3908.69	6380705.92	40.251	38.94	0.01
121	40.24	39.96	38.11	38.93	21.00	FRONT BATTER	34.3910.70	6380706.00	40.25	38.94	0.01
122	39.9	39.62	37.77	38.58	21.00	FRONT BATTER	34.3987.20	6380695.03	39.859	38.54	-0.04
123	39.87	39.59	37.74	38.55	21.00	FRONT BATTER	34.3989.09	6380694.33	39.815	38.50	-0.05
124	39.58	39.30	37.45	38.20	24.00	REAR	34.4020.83	6380683.70			
125	40.51	40.23	38.08	38.83	24.00	FRONT	34.4053.97	6380629.65			
126	41.63	41.35	39.03	39.85	24.00	REAR	34.4100.02	6380541.17			
127	40.66	40.38	38.22	38.97	27.00	REAR	34.4174.06	6380521.48			
128	40.35	40.07	38.22	38.97	27.00	FRONT	34.4130.29	6380584.91			
129	40.95	40.67	38.22	38.97	27.00	FRONT	34.4065.09	6380602.92			
130	40.25	39.97	37.82	38.57	24.00	FRONT	34.4079.70	6380630.27			
131	40.46	40.18	38.33	38.55	27.00	REAR	34.4167.52	6380572.21	40.496	38.58	0.03
132	40.49	40.21	38.36	38.87	24.00	REAR	34.4168.90	6380570.50	40.484	38.87	-0.01

WASTEWATER COLLECTION TANK COUNT

TANK SIZE	NUMBER OF
2100	10
2400	14
2700	8

PRESSURE SEWER PICKUP TO BE INCLUDED IN STAGE 2 WAC



PRESSURE SEWER SERVICE CONNECTION
TYPICAL SECTIONAL ELEVATION
SCALE 1:20

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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 13-06-2024
REGISTERED SURVEYOR

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



ORIGIN OF W.A.C. LEVELS
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AS CONSTRUCTED

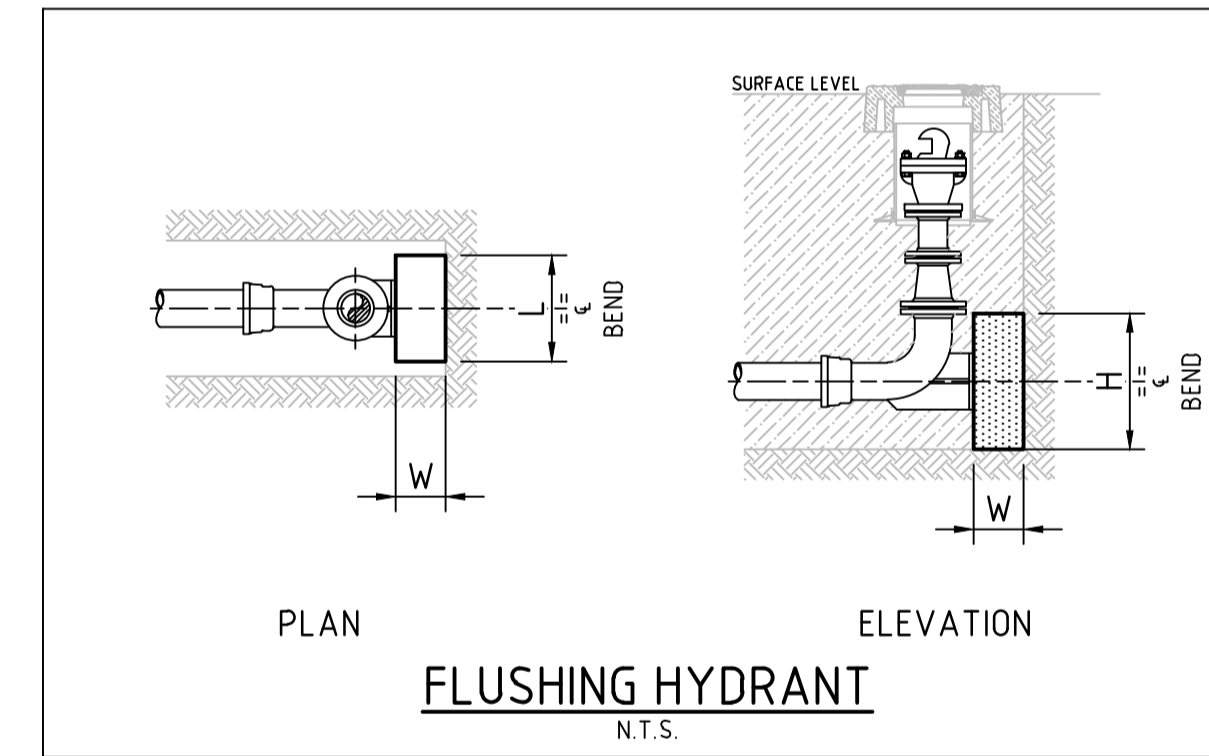
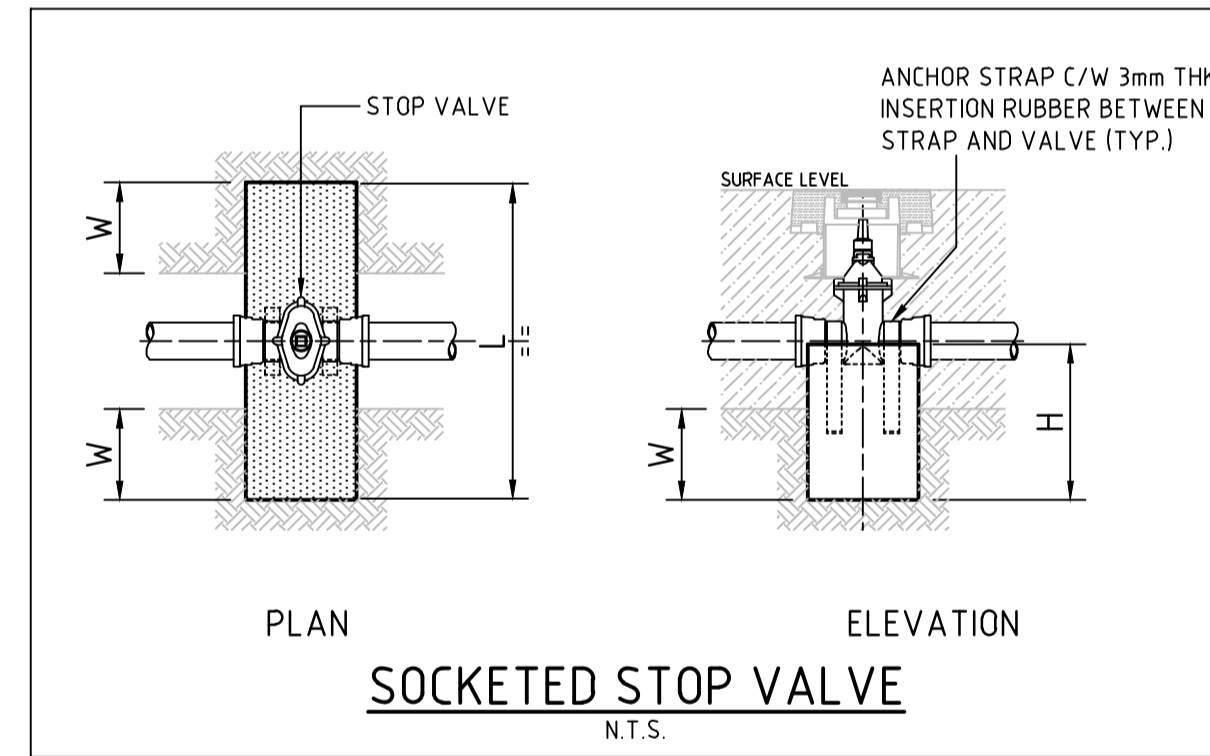
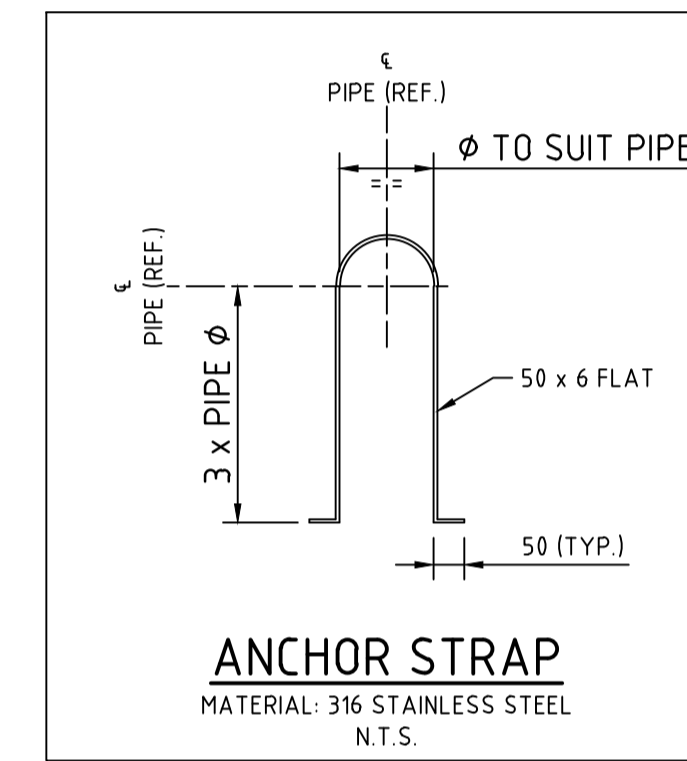
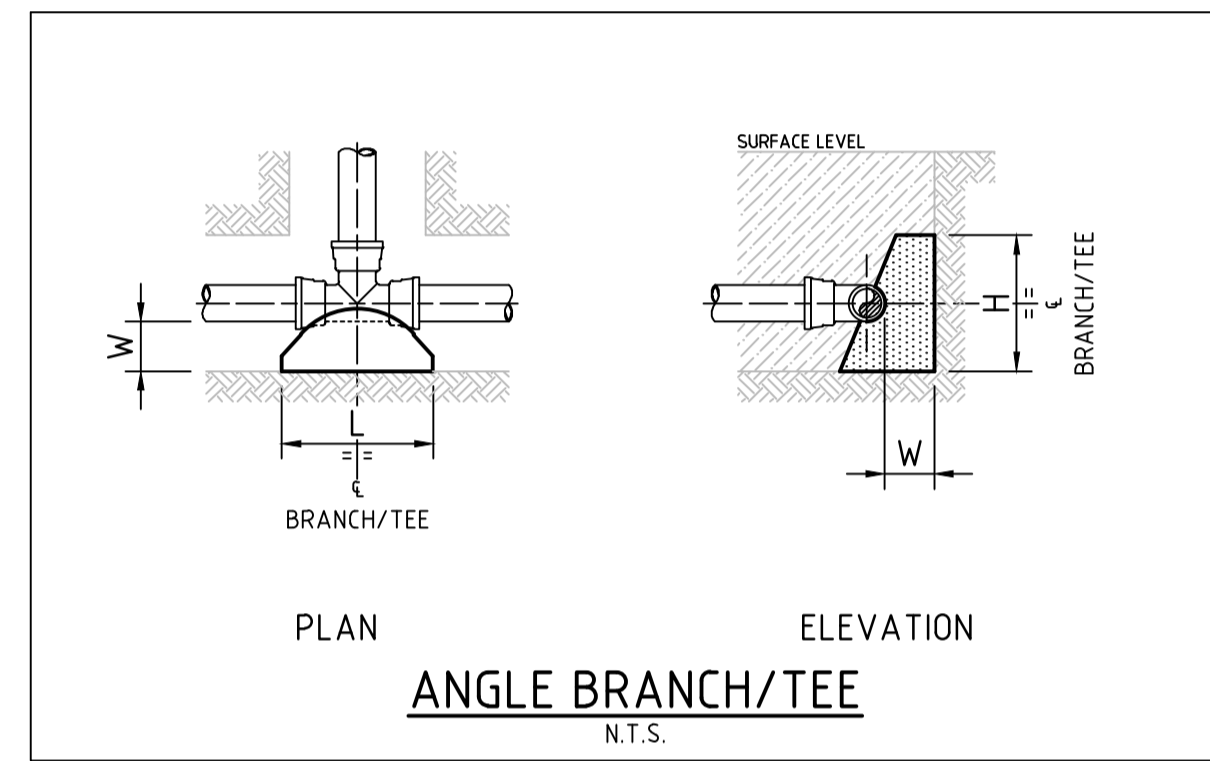
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	WASTE WATER COLLECTION TANK LEVEL DETAILS	190274(ARIA)1	- WAT	404	2

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:

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

TYPE	FITTING	SOIL AHBP (kPa)	DESIGN STP (kPa)	THRUST	TA (m ²)	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 x 145°, 22.5°, 11.25° & 6° HORIZONTAL BENDS	100	1500	7.50	0.08	N	N	0.30
4	DN100 SOCKETED STOP VALVE	100	1500	18.00	0.18	1.05	0.44	0.30
5	DN100 FLUSHING HYDRANT	100	1500	18.00	0.18	0.45	0.40	0.30



PLAN
SCALE 1:250

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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED *E. Randall* DATE 13-06-2024 SIGNED _____ DATE _____
REGISTERED SURVEYOR CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



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

AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.	
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.	
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.	
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.	
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.	
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.	

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

CLIENT
altogether.

PROPERTY DESCRIPTION
ARIA - STAGE 1
WINE COUNTRY DRIVE
HUNTLEE

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION
PLAN TITLE THRUST BLOCK DETAILS
PROJECT No. 190274(ARIA)1 - WAT DISCIPLINE - NUMBER 405 REV. 2

Point Table				
Point #	Eastings	Northings	Levels	Codes
1	344125.69	6380749.99	40.20	waHYD
2	344096.10	6380695.48	39.79	waHYD
3	344006.40	6380694.71	38.90	waHYD
4	344071.33	6380648.80	39.69	waHYD
5	344001.90	6380742.31	38.60	waHYD
6	344012.18	6380835.60	39.34	waHYD
7	344015.91	6380891.24	38.95	waHYD
8	343801.27	6380718.62	36.52	waHYD
9	343912.39	6380712.56	39.66	waHYD
10	344124.91	6380748.59	40.19	waSV
11	344097.94	6380698.82	39.73	waSV
12	344052.79	6380677.25	39.55	waSV
13	344070.77	6380647.73	39.70	waSV
14	343993.07	6380719.24	38.82	waSV
15	344015.89	6380890.60	38.97	waSV
16	343801.99	6380718.54	36.63	waSV
17	343984.93	6380702.81	39.08	waSV
18	344190.55	6380617.42	41.08	waTAP
19	344190.98	6380617.18	41.11	waTAP
20	344220.61	6380626.43	41.36	waTAP
21	344192.37	6380641.55	41.04	waTAP
22	344162.56	6380653.46	40.90	waTAP
23	344132.30	6380664.66	40.58	waTAP
24	344109.33	6380673.22	40.35	waTAP
25	344098.98	6380709.92	39.90	waTAP
26	343988.64	6380696.64	39.23	waTAP
27	343989.41	6380696.28	39.24	waTAP
28	344011.52	6380757.58	38.61	waTAP
29	344014.37	6380793.37	39.12	waTAP
30	344018.19	6380853.39	39.41	waTAP
31	344020.65	6380888.18	39.19	waTAP
32	344001.25	6380882.40	39.00	waTAP
33	343933.07	6380727.61	39.61	waTAP
34	343932.23	6380727.52	39.59	waTAP
35	343867.44	6380789.91	38.32	waTAP
36	343898.91	6380726.21	39.64	waTAP
37	343859.23	6380725.00	39.37	waTAP
38	343804.54	6380732.65	36.80	waTAP
39	343803.72	6380713.49	36.99	waTAP
40	343837.25	6380708.94	39.13	waTAP

Point Table				
Point #	Eastings	Northings	Levels	Codes
41	343842.50	6380708.21	39.42	waTAP
42	343909.34	6380707.88	39.74	waTAP
43	343910.24	6380707.90	39.77	waTAP
44	344125.30	6380750.26	40.22	waHYDR
45	344096.04	6380696.07	39.79	waHYDR
46	344006.56	6380694.10	38.89	waHYDR
47	344070.79	6380648.74	39.70	waHYDR
48	344002.44	6380742.50	38.63	waHYDR
49	344012.67	6380835.27	39.38	waHYDR
50	344016.45	6380891.12	38.95	waHYDR
51	343801.28	6380718.21	36.58	waHYDR
52	343912.12	6380712.11	39.65	waHYDR
53	344124.72	6380749.15	40.21	waSVR
54	344097.95	6380699.60	39.80	waSVR
55	344052.55	6380676.92	39.54	waSVR
56	344070.15	6380647.53	39.70	waSVR
57	343993.60	6380719.33	38.80	waSVR
58	343985.42	6380702.06	39.11	waSVR
59	344016.35	6380890.51	38.97	waSVR
60	343802.08	6380718.11	36.65	waSVR
61	344190.29	6380617.49	41.11	waTAPR
62	344191.28	6380617.01	41.12	waTAPR
63	344220.88	6380626.33	41.35	waTAPR
64	344192.62	6380641.44	41.06	waTAPR
65	344162.81	6380653.38	40.93	waTAPR
66	344132.65	6380664.49	40.60	waTAPR
67	344109.60	6380673.12	40.36	waTAPR
68	344099.09	6380710.20	39.93	waTAPR
69	343988.29	6380696.70	39.23	waTAPR
70	343989.72	6380696.12	39.25	waTAPR
71	344011.63	6380757.92	38.64	waTAPR
72	344014.39	6380793.66	39.15	waTAPR
73	344018.26	6380853.07	39.40	waTAPR
74	344020.54	6380887.83	39.15	waTAPR
75	344001.18	6380882.02	39.01	waTAPR
76	343933.43	6380727.56	39.60	waTAPR
77	343931.97	6380727.56	39.56	waTAPR
78	343867.56	6380789.85	38.32	waTAPR
79	343898.71	6380726.19	39.63	waTAPR
80	343859.34	6380724.99	39.38	waTAPR

Point Table				
Point #	Eastings	Northings	Levels	Codes
81	343804.83	6380732.58	36.78	waTAPR
82	343804.03	6380713.34	37.01	waTAPR
83	343836.96	6380708.82	39.14	waTAPR
84	343842.73	6380708.18	39.43	waTAPR
85	343908.98	6380707.94	39.75	waTAPR
86	343910.56	6380707.86	39.80	waTAPR
87	343806.62	6380733.66	37.30	seBDYKIT
88	343804.84	6380711.78	37.47	seBDYKIT
89	343841.46	6380707.48	39.60	seBDYKIT
90	343843.72	6380706.21	39.86	seBDYKIT
91	343854.68	6380725.71	39.58	seBDYKIT
92	343898.24	6380726.63	39.62	seBDYKIT
93	343907.83	6380706.16	40.22	seBDYKIT
94	343911.62	6380706.02	40.20	seBDYKIT
95	343931.86	6380728.07	39.63	seBDYKIT
96	343933.81	6380728.04	39.62	seBDYKIT
97	343986.30	6380695.48	39.74	seBDYKIT
98	343989.89	6380693.88	39.72	seBDYKIT
99	344013.84	6380758.06	38.98	seBDYKIT
100	344016.30	6380794.73	39.30	seBDYKIT
101	344019.91	6380851.69	39.63	seBDYKIT
102	344000.85	6380881.69	39.01	seBDYKIT
103	344022.15	6380886.62	39.34	seBDYKIT
104	344098.83	6380710.80	39.96	seBDYKIT
105	344110.13	6380675.80	40.61	seBDYKIT
106	344134.47	6380665.92	40.85	seBDYKIT
107	344164.74	6380654.49	41.10	seBDYKIT
108	344194.62	6380642.40	41.40	seBDYKIT
109	344223.02	6380627.56	41.64	seBDYKIT
110	344189.70	6380617.29	41.22	seBDYKIT
111	344191.38	6380616.24	41.23	seBDYKIT
112	344014.39	6380793.66	39.15	seFP
113	344003.94	6380743.16	38.60	seFP
114	344017.79	6380891.27	39.05	seFP
115	344124.17	6380751.66	40.29	seFP
116	344110.64	6380669.44	40.32	seSV
117	344123.15	6380749.71	40.21	seSV
118	344080.03	6380640.06	39.82	seSV
119	344079.50	6380639.32	39.80	seSV
120	344079.30	6380639.89	39.81	seSV

Point Table				
Point #	Eastings	Northings	Levels	Codes
121	343994.82	6380718.43	38.82	seSV
122	343984.30	6380701.26	39.14	seSV
123	344017.73	6380888.98	39.01	seSV
124	343860.58	6380785.75	38.49	seSV
125	343832.38	6380644.86	40.46	seSV
126	344222.33	6380627.96	41.72	seTANK101
127	344193.93	6380642.75	41.49	seTANK102
128	344164.06	6380654.67	41.22	seTANK103
129	344133.78	6380666.07	40.91	seTANK104
130	344109.40	6380675.64	40.65	seTANK105
131	344057.72	6380733.36	39.48	seTANK106
132	344013.46	6380757.37	39.07	seTANK107
133	344016.17	6380793.90	39.38	seTANK108
134	344019.88	6380852.54	39.70	seTANK109
135	344022.21	6380887.43	39.41	seTANK110
136	343938.24	6380885.64	37.64	seTANK111
137	343932.04	6380777.21	38.08	seTANK112
138	343929.60	6380776.96	38.10	seTANK113
139	343895.87	6380783.28	38.55	seTANK114
140	343829.16	6380790.24	37.79	seTANK115
141	343805.87	6380733.90	37.39	seTANK116
142	343804.14	6380711.80	37.49	seTANK117
143	343798.67	6380642.66	38.94	seTANK118
144	343842.92	6380706.15	39.88	seTANK119
145	343908.46	6380706.02	40.25	seTANK120
146	343910.90	6380706.00	40.25	seTANK121
147	343986.99	6380695.20	39.86	seTANK122
148	343989.22	6380694.29	39.82	seTANK123
149	344167.65	6380572.63	40.50	seTANK131
150	344169.48	6380571.42	40.48	seTANK132
151	344159.63	6380650.21	40.90	waHYD

NOTE:
NUMBER SEQUENCE IN THIS TABLE IS DELIBERATE. SOME POINT NUMBERS HAVE BEEN INTENTIONALLY REMOVED.

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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED *E. Randall* DATE 13-06-2024 SIGNED DATE / /
REGISTERED SURVEYOR CONSTRUCTION MANAGER

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

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 18-07-2023



AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	30.06.2022	INITIAL ISSUE	G.S.	C.B.	C.B.	C.B.		<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>ARIA - STAGE 1 WINE COUNTRY DRIVE HUNTLÉE</p>	<p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p>	<p>FITTING DETAILS</p>	<p>190274(ARIA)1 - WAT</p>	<p>-</p>	<p>406</p>	<p>2</p>
C	30.05.2023	REVISED SEWER DESIGN	L.S.	C.H.	C.B.	C.H.									
D	09.06.2023	REVISED POTABLE WATER DESIGN	G.S.	C.B.	C.B.	C.B.									
E	07.07.2023	ALTOGETHER GROUP COMMENTS, TANK HEIGHT ADJUSTMENTS	G.S.	C.H.	C.B.	C.B.									
O	18.07.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
1	14.09.2023	FOR CONSTRUCTION	G.S.	C.H.	C.B.	C.B.									
2	13.06.2024	WORK AS CONSTRUCTED	G.S.	C.H.	C.B.	C.B.									