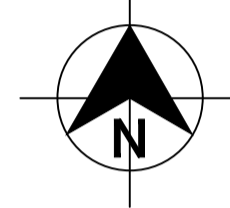
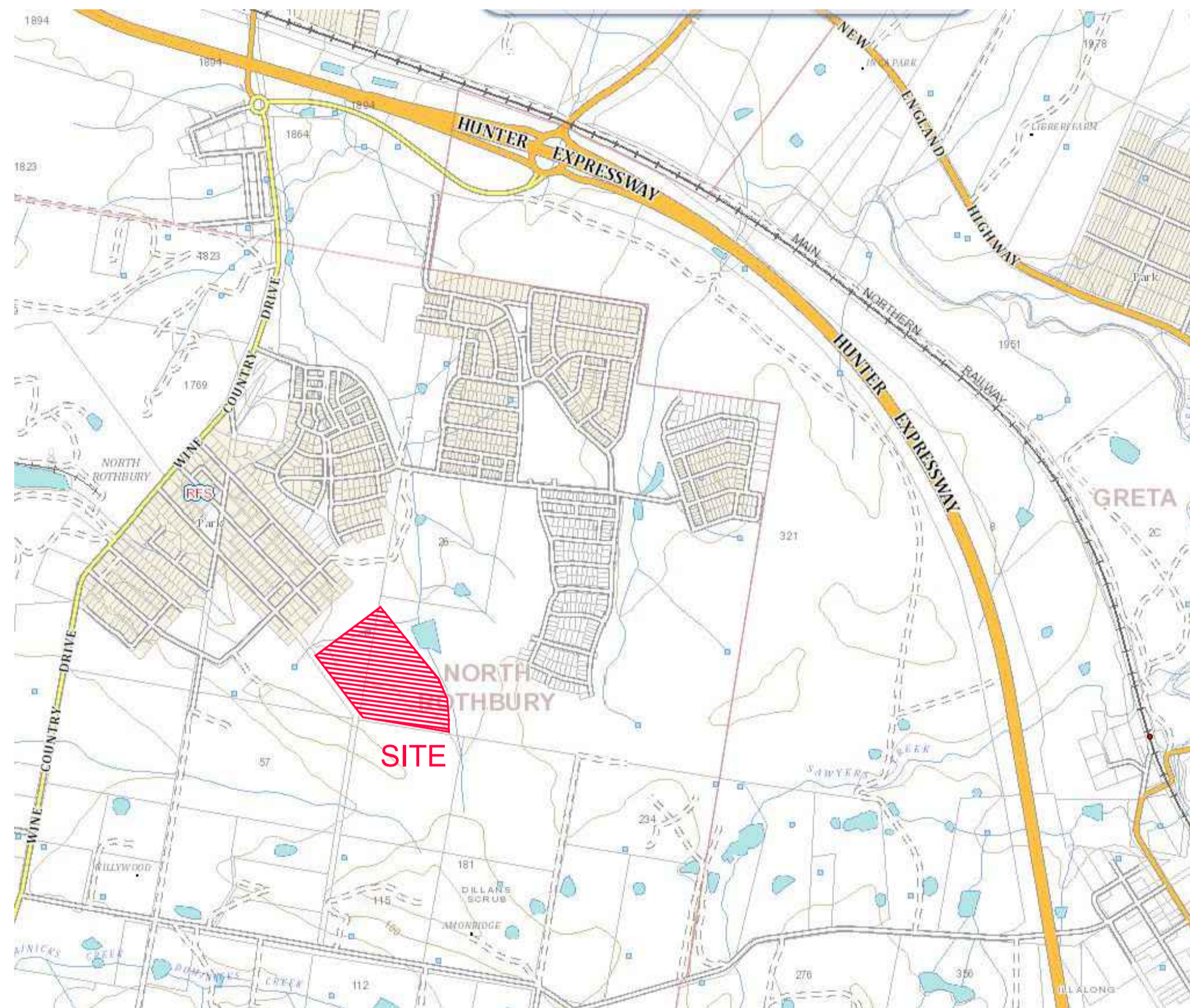




PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE



LOCALITY SKETCH
NOT TO SCALE

DRAWING INDEX	
DRAWING NUMBER	DRAWING TITLE
240037(35-38)-WAC-001	COVER SHEET, LOCALITY PLAN & DRAWING INDEX
240037(35-38)-WAC-002	GENERAL NOTES
240037(35-38)-WAC-003	OVERALL SITE PLAN
240037(35-38)-WAC-101	POTABLE WATER DETAIL PLAN - SHEET 1
240037(35-38)-WAC-102	POTABLE WATER DETAIL PLAN - SHEET 2
240037(35-38)-WAC-103	POTABLE WATER DETAIL PLAN - SHEET 3
240037(35-38)-WAC-104	POTABLE WATER DETAIL PLAN - SHEET 4
240037(35-38)-WAC-105	POTABLE WATER DETAIL PLAN - SHEET 5
240037(35-38)-WAC-106	POTABLE WATER DETAIL PLAN - SHEET 6
240037(35-38)-WAC-107	POTABLE WATER DETAIL PLAN - SHEET 7
240037(35-38)-WAC-108	POTABLE WATER DETAIL PLAN - SHEET 8
240037(35-38)-WAC-109	POTABLE WATER DETAIL PLAN - SHEET 9
240037(35-38)-WAC-110	POTABLE WATER DETAIL PLAN - SHEET 10
240037(35-38)-WAC-201	RECYCLED WATER DETAIL PLAN - SHEET 1
240037(35-38)-WAC-202	RECYCLED WATER DETAIL PLAN - SHEET 2
240037(35-38)-WAC-203	RECYCLED WATER DETAIL PLAN - SHEET 3
240037(35-38)-WAC-204	RECYCLED WATER DETAIL PLAN - SHEET 4
240037(35-38)-WAC-205	RECYCLED WATER DETAIL PLAN - SHEET 5
240037(35-38)-WAC-206	RECYCLED WATER DETAIL PLAN - SHEET 6
240037(35-38)-WAC-207	RECYCLED WATER DETAIL PLAN - SHEET 7
240037(35-38)-WAC-208	RECYCLED WATER DETAIL PLAN - SHEET 8
240037(35-38)-WAC-209	RECYCLED WATER DETAIL PLAN - SHEET 9
240037(35-38)-WAC-210	RECYCLED WATER DETAIL PLAN - SHEET 10
240037(35-38)-WAC-301	PRESSURE SEWER DETAIL PLAN - SHEET 1
240037(35-38)-WAC-302	PRESSURE SEWER DETAIL PLAN - SHEET 2
240037(35-38)-WAC-303	PRESSURE SEWER DETAIL PLAN - SHEET 3
240037(35-38)-WAC-304	PRESSURE SEWER DETAIL PLAN - SHEET 4
240037(35-38)-WAC-305	PRESSURE SEWER DETAIL PLAN - SHEET 5
240037(35-38)-WAC-306	PRESSURE SEWER DETAIL PLAN - SHEET 6
240037(35-38)-WAC-307	PRESSURE SEWER DETAIL PLAN - SHEET 7
240037(35-38)-WAC-308	PRESSURE SEWER DETAIL PLAN - SHEET 8
240037(35-38)-WAC-309	PRESSURE SEWER DETAIL PLAN - SHEET 9
240037(35-38)-WAC-310	PRESSURE SEWER DETAIL PLAN - SHEET 10
240037(35-38)-WAC-401	TYPICAL PIPEWORK TRENCHING DETAILS
240037(35-38)-WAC-402	TYPICAL SERVICE CONNECTION DETAILS
240037(35-38)-WAC-403	WASTE WATER COLLECTION TANK LEVEL DETAILS
240037(35-38)-WAC-404	WASTE WATER COLLECTION TANK LEVEL DETAILS
240037(35-38)-WAC-405	THRUST BLOCK DETAILS
240037(35-38)-WAC-406	FITTINGS TABLE
240037(35-38)-WAC-407	FITTINGS TABLE

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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 *E. Randall* DATE 29/01/24 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: 15-02-2023

WORK AS CONSTRUCTED

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

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

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altogether.

PROPERTY DESCRIPTION
**PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLEE**

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	COVER SHEET, LOCALITY PLAN & DRAWING INDEX		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(35-38)-	WAC	1	5

PRESSURE SEWER NOTES:

- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, ALTOGETHER SUPPLEMENTARY MANUAL TO WSA, PRESSURE SEWERAGE CODE OF AUSTRALIA - WSA 07-2007 VERSION 1.1 AND POLYETHYLENE PIPELINE CODE WSA 01-2004.
- ALL EQUIPMENT, MATERIALS AND ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW AND SHALL COMPLY WITH ALTOGETHER REQUIREMENTS. BUTT FUSION FITTINGS DENOTED HEREWITH HAVE BEEN DERIVED FROM THE GEORG FISCHER PIPING SYSTEMS BUTT FUSION PRODUCT RANGE. ELECTROFUSION FITTINGS DENOTED HEREWITH HAVE BEEN DERIVED FROM THE PLASSON "POLYETHYLENE PIPING SYSTEMS" PRODUCT RANGE.
- ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS AND LOCATIONS OF ALL EXISTING SERVICES IN THE VICINITY OF THE CONSTRUCTION SITE AND ANY CONSTRUCTED STRUCTURES FOR PROPOSED SERVICES, SUCH AS DUCTING FOR WATER OR ELECTRICITY WITHIN THE SUBDIVISION. THE CONTRACTOR MUST ENSURE ALL SERVICES ARE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
- PRESSURE SEWER MAINS SHALL BE BLACK POLYETHYLENE (PE100 PN16) WITH A CREAM STRIPE AS PER WSA 02-2007 AND ALTOGETHER SUPPLEMENTARY MANUAL TO WSA.
- ALL POLYETHYLENE MAINS ≤ DN200 SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ALL POLYETHYLENE MAINS ≥ DN200 SHALL BE JOINED USING BUTTWELD JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
- MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 600mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER AND WATER MAINS. MINIMUM PIPE COVER SHALL BE 800mm IN FOOTWAYS AND 1000mm IN ROADWAYS. MAXIMUM PIPE COVER SHALL GENERALLY BE 1500mm. WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1500mm BUT LESS THAN 2500mm THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL PRESSURE SEWER AND RECYCLED WATER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.
- MAINS CROSSING UNDER EXISTING DRIVEWAYS (SEALED, PAVED OR DECORATIVE) SHALL BE CONDUCTED BY UNDER BORING ONLY UNLESS PERMISSION IS GRANTED BY THE AFFECTED PROPERTY OWNER.
- MAINS WITHIN 2.0m OF ELECTRICITY OR POWER POLES SHALL BE CONDUCTED BY BORING TECHNOLOGY (UNLESS AGREED TO BY THE ALTOGETHER REPRESENTATIVE).
- ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION WSA-PS350 AND WSA-PS351.
- ALL BENDS SHALL BE ELECTROFUSION OR BUTT WELD SWEEP BENDS. FABRICATED BENDS SHALL NOT BE USED IN LIEU. KNUCKLE ELBOWS ARE NOT PERMITTED.
- MINIMUM BENDING RADIUS FOR PN16 PE100 (SDR11) SHALL BE 20 x DN. (i.e. DN400 : R8.0m, DN250 : R5.0m, DN200 : R4.0m, DN160 : R3.2m, DN125 : R2.5m, DN90 : R1.8m, DN75 : R1.5m, DN63 : R1.3m, DN50 : R1.0m, DN40 : R0.8m).
- ALL HOUSE SERVICE LATERALS SHALL BE DN40 (PE100 PN16).
- FLUSHING PITS SHALL CONFORM WITH ALTOGETHER STANDARD DRAWINGS. REFER TO ALTOGETHER WEBSITE FOR CURRENT VERSION. SMALL MAINS (≤ 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). e one COLLECTION TANK (ESD 20-0032/ESD 20-0033) SHALL BE INSTALLED WITH BOUNDARY KIT (REFER ALTOGETHER STANDARD DRAWINGS PSS-1112-FS AND PSS-1113-FS). PUMP TO BE INSTALLED BY OTHERS.
- ALL MAINS (UP TO THE BOUNDARY KIT) SHALL BE PRESSURE TESTED TO 1600 kPa. ALL LINES FROM THE WASTEWATER COLLECTION TANK TO THE MANUAL ISOLATION VALVE WITHIN THE BOUNDARY KIT TO BE PRESSURE TESTED TO 1000kPa.
- ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
- SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO ALTOGETHER REQUIREMENTS.
- ROPE OFF ALL PRESSURE SEWER UNITS AND FLUSHING POINTS TO LIMIT DAMAGE DURING CONSTRUCTION.
- PRESSURE TRANSMITTER TO BE MEASUREX MRB21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM PER ALTOGETHER REQUIREMENTS.
- WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE ALTOGETHER Q.A. SUBMISSION CHECKLIST.

POTABLE WATER AND RECYCLED WATER NOTES:

- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, ALTOGETHER SUPPLEMENTARY MANUAL TO WSA AND WSA 03-2011-3.1 (SYDNEY WATER EDITION 2014).
- POTABLE WATER SHALL BE UTILISED FOR FIRE FIGHTING PURPOSES.
- ALL EQUIPMENT, MATERIALS AND ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW, SHALL CONFORM TO THE APPROPRIATE CURRENT AUSTRALIAN STANDARDS AND SHALL COMPLY WITH ALTOGETHER REQUIREMENTS.
- ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS AND LOCATIONS OF ALL EXISTING SERVICES IN THE VICINITY OF THE CONSTRUCTION SITE AND ANY CONSTRUCTED STRUCTURES FOR PROPOSED SERVICES, SUCH AS DUCTING FOR WATER OR ELECTRICITY WITHIN THE SUBDIVISION. THE CONTRACTOR MUST ENSURE ALL SERVICES ARE LOCATED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS.
- THE CONSTRUCTOR SHALL VERIFY WITH THE SITE SUPERVISOR THE POSITION AND LEVEL OF ALL EXISTING AND PROPOSED BOUNDARIES PERTINENT TO THE INFRASTRUCTURE INSTALLATIONS.
- MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 600mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER AND WATER MAINS. MINIMUM PIPE COVER SHALL BE 600mm IN FOOTWAYS (TYPE B EMBEDMENT: WAT-1202-V) AND 800mm IN ROADWAYS (TYPE L EMBEDMENT: WAT-1204-V). MAXIMUM PIPE COVER SHALL GENERALLY BE 1500mm. WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1500mm BUT LESS THAN 2500mm THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL RECYCLED WATER MAINS AND PRESSURE SEWER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.
- ALL POTABLE WATER MAINS TO BE BLUE PVC-M (PN16). ALL RECYCLED WATER MAINS SHALL BE LILAC PVC-M (PN16). DIFFERENTIATION OF POTABLE AND RECYCLED WATER SYSTEMS SHALL BE AS PER TABLE 4.1 WSA03-2011 WITH BOTH SERVICES BEING CLASSIFIED AS WATER MAINS. RECYCLED WATER MAINS SHALL ALWAYS BE LOWER THAN POTABLE WATER MAINS. 150mm VERTICAL CLEARANCE BETWEEN POTABLE WATER AND RECYCLED WATER MAINS SHALL BE PROVIDED.
- MAXIMUM JOINT DEFLECTIONS TO BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- LOCALLY LOWER PIPEWORK IN VICINITY OF STOP VALVES TO ENSURE SUFFICIENT COVER IS MAINTAINED OVER VALVES. LOWERING OF PIPEWORK SHALL BE ACHIEVED OVER A NUMBER OF PIPE LENGTHS EITHER SIDE OF VALVES TO ELIMINATE ANY SHARP DEFLECTIONS.
- ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION PS-350, 368 AND 369. GEOTECHNICAL CONDITIONS SHOULD BE ASSESSED DURING CONSTRUCTION BY THE CONTRACTOR IN ASSOCIATION WITH THE ALTOGETHER REPRESENTATIVE TO DETERMINE THE NEED TO MODIFY EMBEDMENT/TRENCHFILL TYPE AND THE NED 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/900004827263-51-standard-drawings-for-land-developers->

GENERAL NOTES:

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

CLEARANCES BETWEEN PIPELINES AND UNDERGROUND SERVICES

UTILITY (EXISTING OR PROPOSED SERVICE)	MINIMUM HORIZONTAL CLEARANCE (mm)		MINIMUM VERTICAL CLEARANCE (mm)
	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 18-01-2024 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 29/01/24. SIGNED DATE
REGISTERED SURVEYOR CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd

Date Approved: 15-02-2023

ORIGIN OF W.A.C. LEVELS

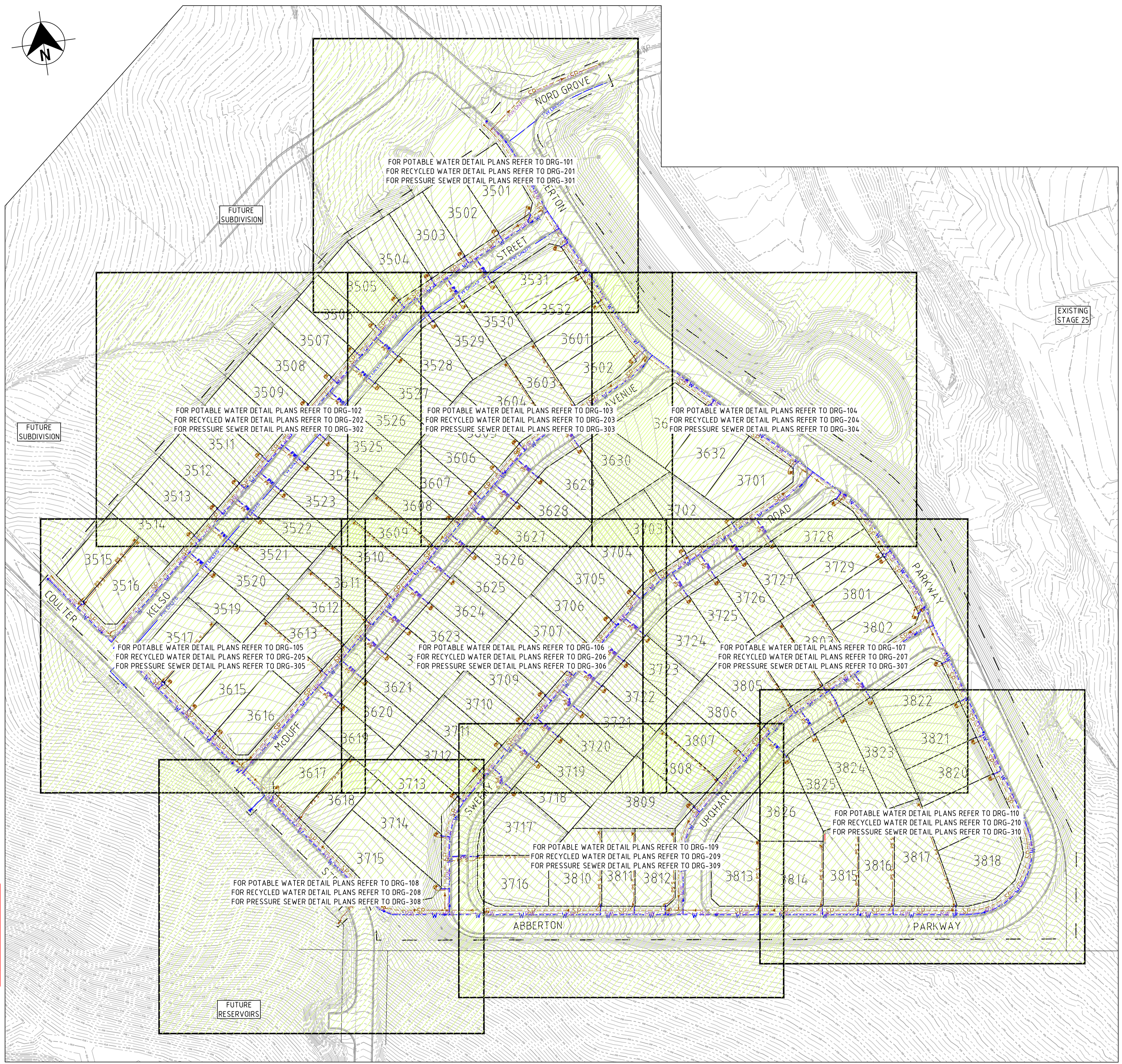
P.M.20029 Co-Ord System: MGA Ground
E: 345612.942 MGA Datum: GDA94
N: 6382878.917 MGA Zone: 56
RL: 77.675m

WORK AS CONSTRUCTED

240037(35-38)-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.

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	GENERAL NOTES	240037(35-38)-	WAC	2	5
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.									
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.									
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.									
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.									



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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED *[Signature]* DATE 29/01/24. 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: 15-02-2023

WORK AS CONSTRUCTED

PLAN
 SCALE 1:1000

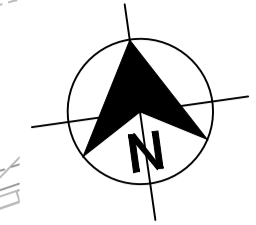
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
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D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.									
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
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240037(35-38)-WAC-110

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COMPANY ADW Johnson Pty Ltd COMPANY
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 SIGNED *E. Randall* DATE 29/01/24 SIGNED DATE
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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



LEGEND

W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
PW DN250	PVC-M DN250 POTABLE WATER TRANSFER MAIN
PW DN300	PVC-M DN300 POTABLE WATER TRANSFER MAIN
PW DN375	PVC-M DN375 POTABLE WATER TRANSFER MAIN
RW DN150	PVC-M DN150 RECYCLED WATER TRANSFER MAIN
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
S.V.	STOP VALVE
S.V. N.C.	STOP VALVE NORMALLY CLOSED
HYD.	HYDRANT
FL. HYD.	FLUSHING HYDRANT
●	PROPERTY SERVICE CONNECTION
○	LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
112.5° 22.5° 65° 90°	HORIZONTAL BEND ANGLE IN MAIN
- - - - -	LIMIT OF SUBDIVISION WORKS

POTABLE WATER PROPERTY SERVICE CONNECTIONS

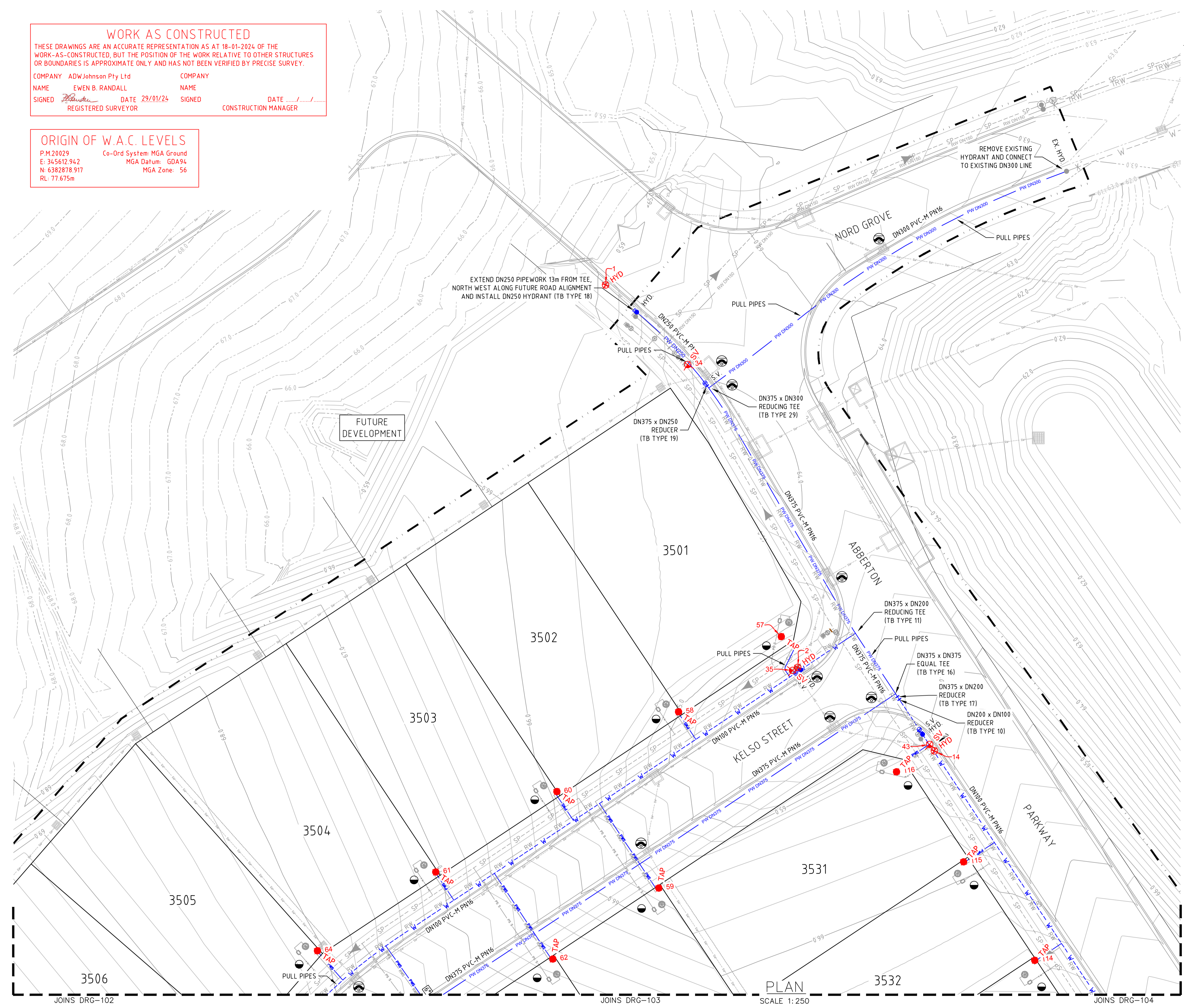
TOTAL 119 CONNECTIONS

- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
- SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.



APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

100mm AT FULL SIZE
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<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>06.05.2022</td> <td>INITIAL ISSUE</td> <td>G.S.</td> <td>C.B.</td> <td>G.S.</td> <td>C.B.</td> <td rowspan="5"> </td> </tr> <tr> <td>D</td> <td>22.11.2022</td> <td>CLIENT COMMENTS</td> <td>G.S.</td> <td>N.C.</td> <td>G.S.</td> <td>C.B.</td> </tr> <tr> <td>0</td> <td>15.02.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.B.</td> <td>G.S.</td> <td>C.B.</td> </tr> <tr> <td>1</td> <td>17.04.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.B.</td> <td>G.S.</td> <td>C.B.</td> </tr> <tr> <td>2</td> <td>21.04.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.B.</td> <td>G.S.</td> <td>C.B.</td> </tr> <tr> <td>3</td> <td>08.05.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.S.</td> <td>G.S.</td> <td>C.B.</td> </tr> <tr> <td>4</td> <td>26.06.2023</td> <td>FOR CONSTRUCTION</td> <td>G.S.</td> <td>C.H.</td> <td>G.S.</td> <td>C.B.</td> </tr> <tr> <td>5</td> <td>29.01.2024</td> <td>WORK AS CONSTRUCTED</td> <td>G.S.</td> <td>T.B.</td> <td>G.S.</td> <td>B.R.</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	<p>DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-design.dwg</p> <p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>	<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p>	<p>PROPERTY DESCRIPTION</p> <p>PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE</p>	<p>PROJECT</p> <p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p>POTABLE WATER DETAIL PLAN - SHEET 1</p>	<table border="1"> <tr> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>240037(35-38)-</td> <td>WAC</td> <td>101</td> <td>5</td> </tr> </table>	PROJECT No.	DISCIPLINE	NUMBER	REV.	240037(35-38)-	WAC	101	5
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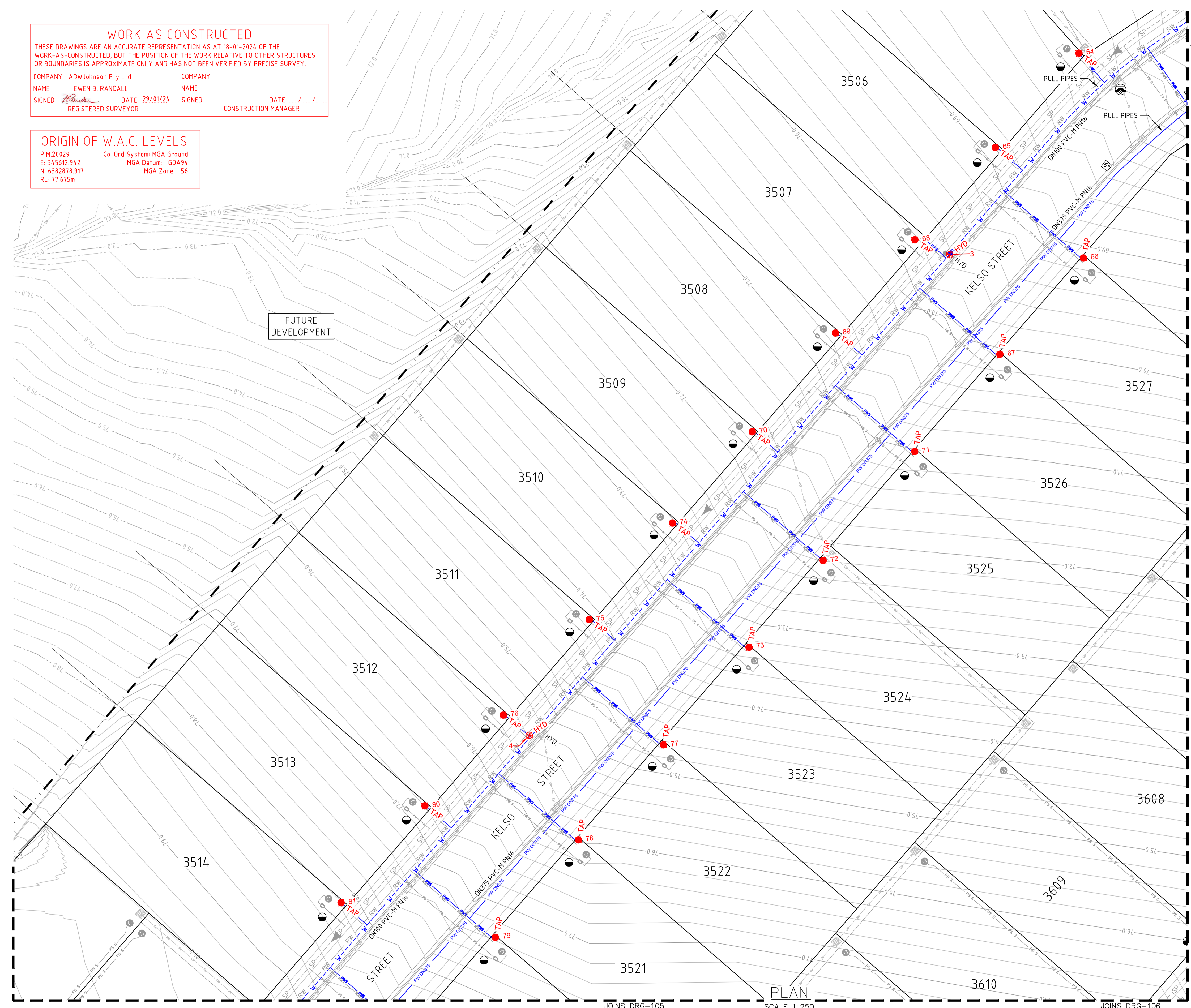
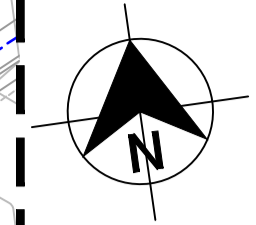
240037(35-38)-WAC-110

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



- LEGEND**
- W W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - 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
 - S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 119 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
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POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
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- NOTES:**
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 Date Approved: 15-02-2023

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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
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D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
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DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-design.dwg

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

Plotted By: anthonym Plot Date: 29/01/24 - 11:02 Cad File: C:\Users\anthonym\AppData\Local\Temp\AcPublish_19432\240037(35-38)-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@adwjohnson.com.au
 www.adwjohnson.com.au
 ABN 62 129 445 398

CLIENT

altogether.

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLEE

SURVEYED
 Daly Smith Pty Ltd

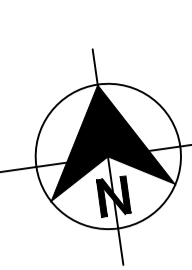
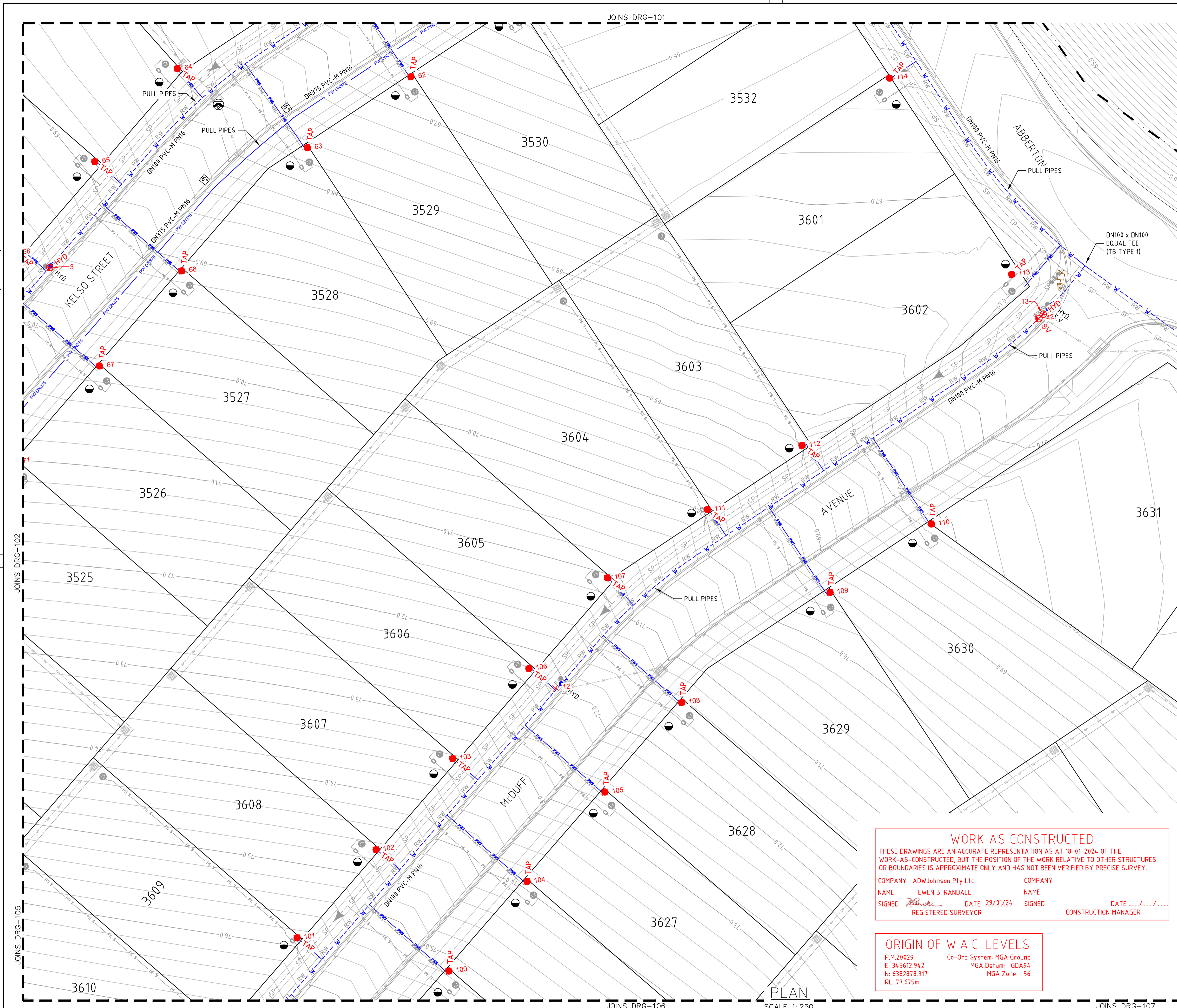
DATUM
 GDA94 M.G.A. ZONE 56

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.
240037(35-38)-	WAC	102	5

240037(35-38)-WAC-110

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- LEGEND**
- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 --- PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 --- PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 --- PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - RW DN150 --- PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - 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
 - S.V. --- STOP VALVE
 - S.V. N.C. --- STOP VALVE NORMALLY CLOSED
 - HYD. --- HYDRANT
 - FL. HYD. --- FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 112.5° 22.5° 6.5° 90° --- HORIZONTAL BEND ANGLE IN MAIN
 - --- LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL T19 CONNECTIONS
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 - 40 x LONG SIDE
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- NOTES:**
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COMPANY ADW Johnson Pty Ltd	COMPANY
NAME EWEN B. RANDALL	NAME
SIGNED	SIGNED
DATE 29/01/24	DATE
REGISTERED SURVEYOR	CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

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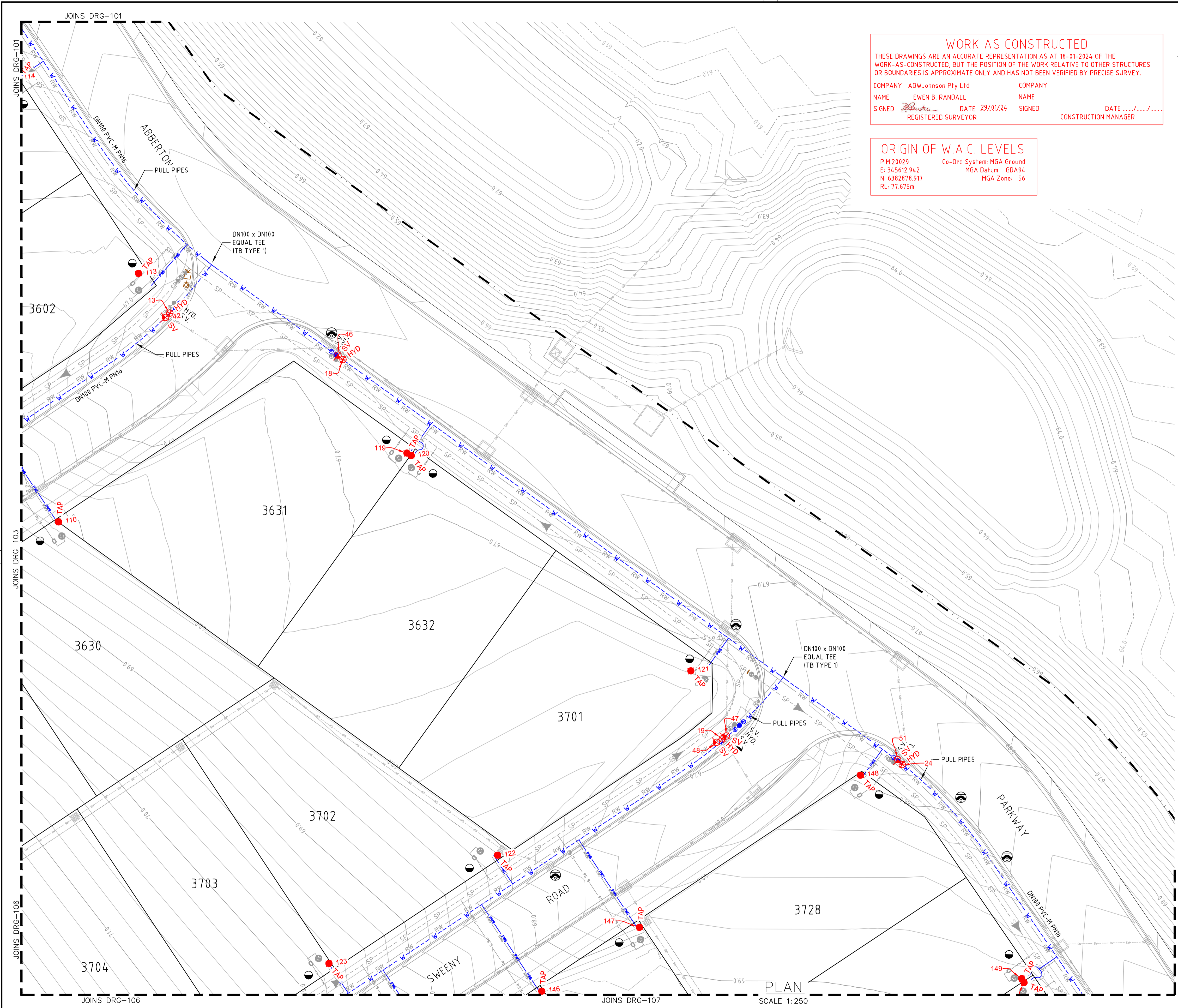
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Date Approved: 15-02-2023

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<p>DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-design.dwg</p>		<p>ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE</p>		<p>SURVEYED Daly.Smith Pty Ltd</p>		<p>DATUM GDA94 M.G.A. ZONE 56 A.H.D.</p>		<p>PROJECT No. 240037(35-38) - DISCIPLINE WAC - NUMBER 103 - REV. 5</p>																																																									

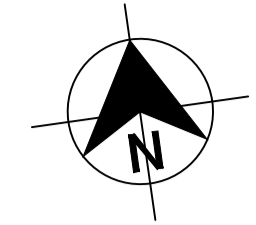
240037(35-38)-WAC-110

100mm AT FULL SIZE
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 COMPANY: ADW Johnson Pty Ltd
 NAME: EWEN B. RANDALL
 SIGNED: [Signature] DATE: 29/01/24 REGISTERED SURVEYOR
 COMPANY: [Blank]
 NAME: [Blank]
 SIGNED: [Blank] DATE: [Blank] 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



LEGEND

W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
PW DN250	PVC-M DN250 POTABLE WATER TRANSFER MAIN
PW DN300	PVC-M DN300 POTABLE WATER TRANSFER MAIN
PW DN375	PVC-M DN375 POTABLE WATER TRANSFER MAIN
RW DN150	PVC-M DN150 RECYCLED WATER TRANSFER MAIN
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
S.V.	STOP VALVE
S.V. N.C.	STOP VALVE NORMALLY CLOSED
HYD.	HYDRANT
FL. HYD.	FLUSHING HYDRANT
●	PROPERTY SERVICE CONNECTION
○	LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
112.5° 22.5° 65° 90°	HORIZONTAL BEND ANGLE IN MAIN
- - - - -	LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
 TOTAL 119 CONNECTIONS
 • SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 -69 x SHORT SIDE
 -40 x LONG SIDE
 • SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 -5 x SHORT SIDE
 -0 x LONG SIDE

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.

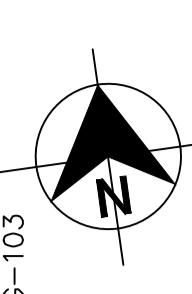
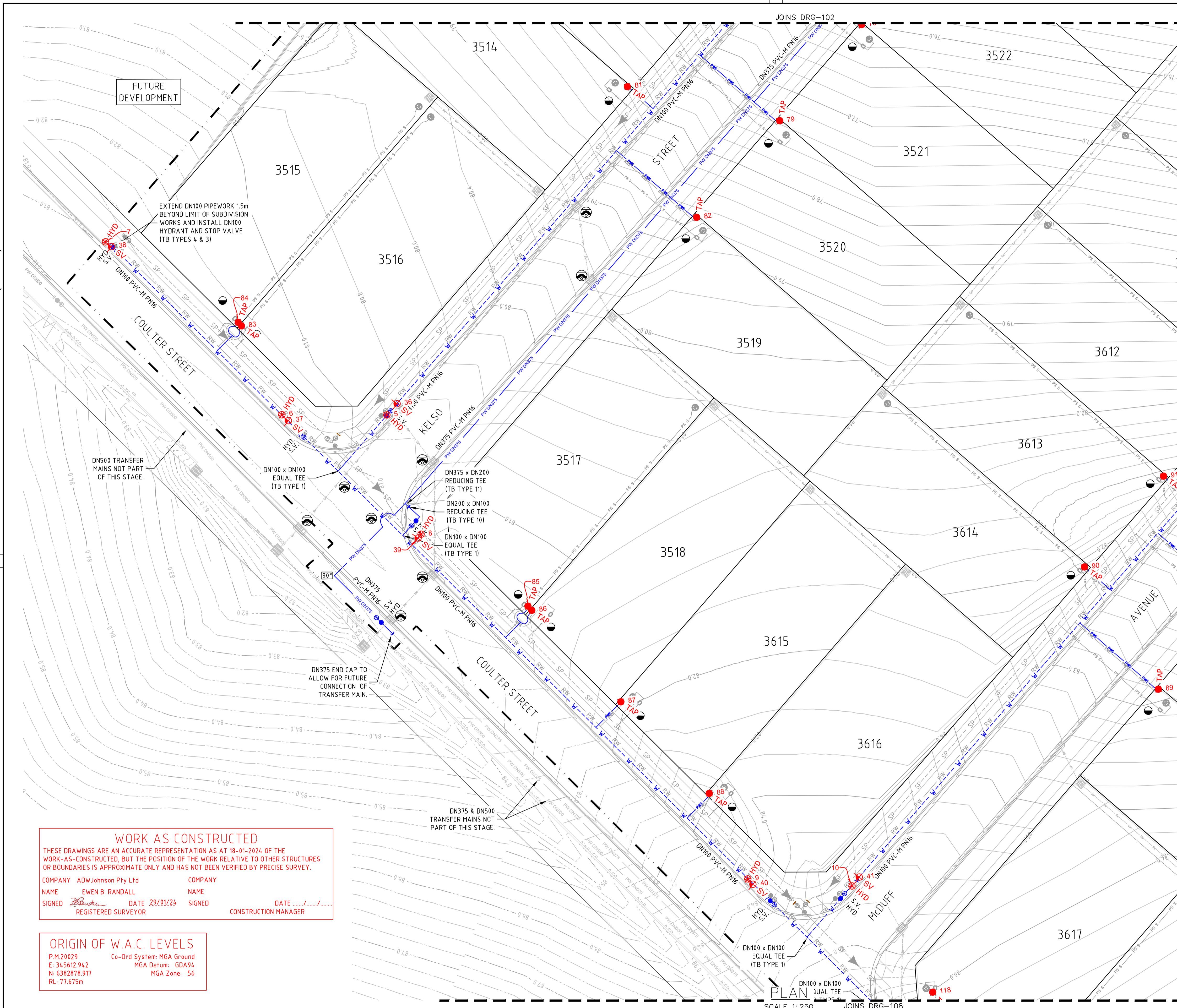
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240037(35-38)-WAC-110

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- LEGEND**
- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 --- PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 --- PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 --- PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - RW DN150 --- PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - 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
 - S.V. --- STOP VALVE
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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED *[Signature]* DATE 29/01/24 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

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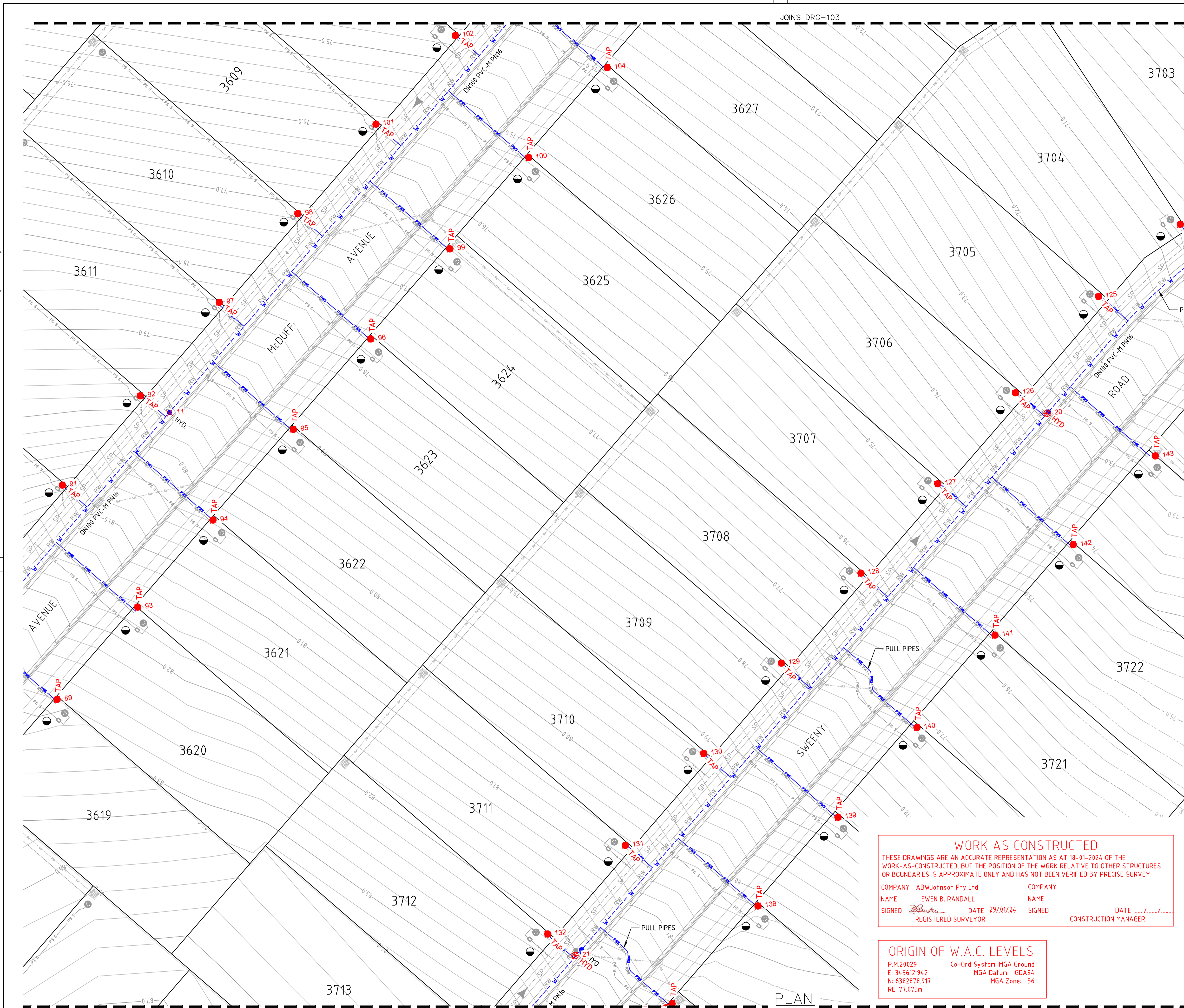
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JOINS DRG-104
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- TOTAL T19 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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 29/01/24
REGISTERED SURVEYOR	SIGNED
	DATE
	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

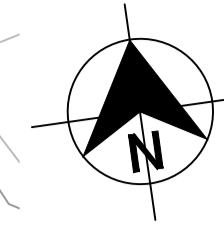
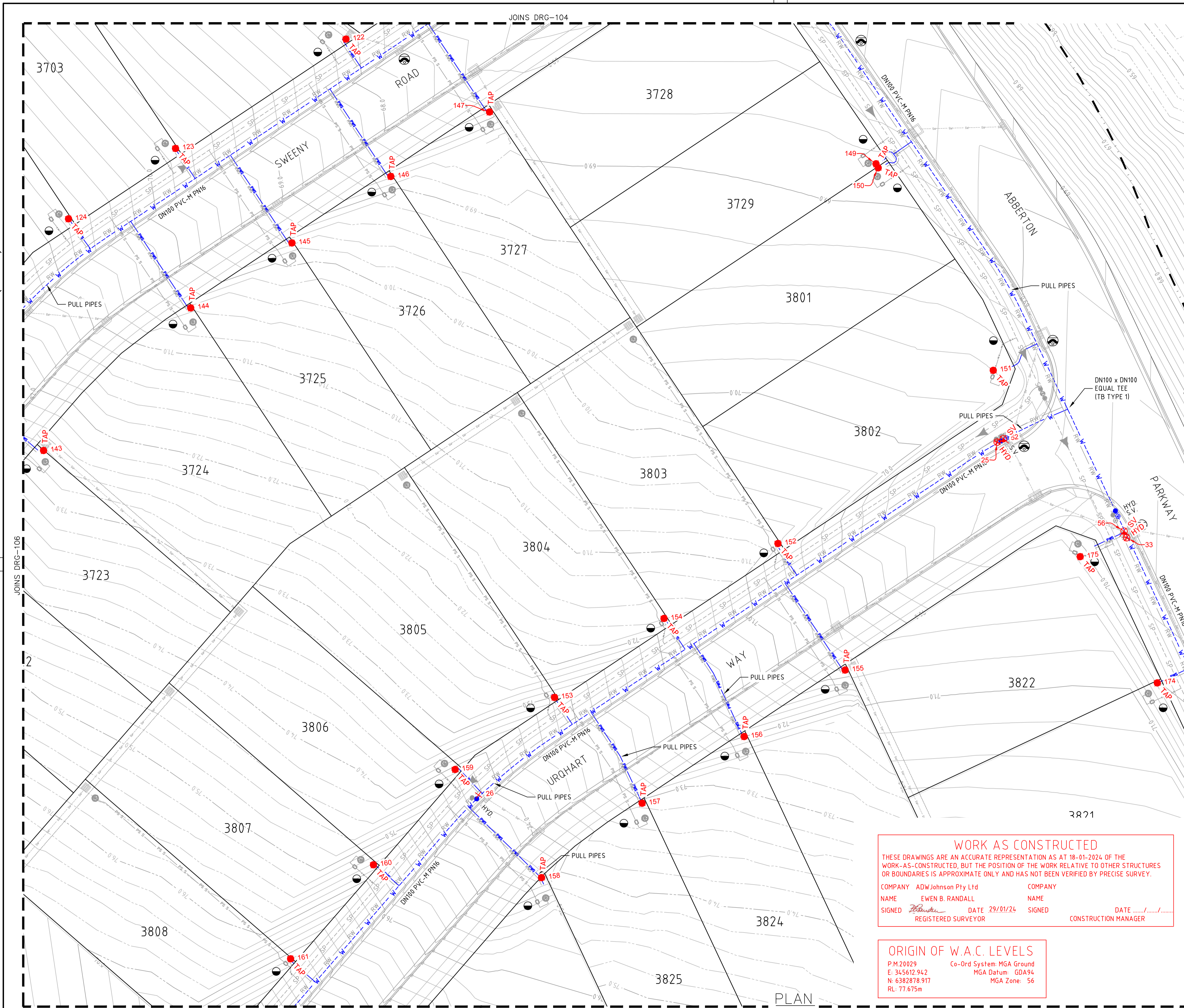
APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT		PROPERTY DESCRIPTION		PROJECT		
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	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	PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE		POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.						PLAN TITLE POTABLE WATER DETAIL PLAN - SHEET 6		
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						PROJECT No. 240037(35-38)- DISCIPLINE WAC NUMBER 106 REV. 5		
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						SURVEYED Daly.Smith Pty Ltd		
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						DATUM GDA94 M.G.A. ZONE 56 A.H.D.		
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.						DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-design.dwg ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	Plotted By: anthonym Plot Date: 29/01/24 - 11:02 Cad File: C:\Users\anthonym\AppData\Local\Temp\AcPublish_19432\240037(35-38)-WAC-110.dwg							
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.								

240037(35-38)-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.



- LEGEND**
- W --- W PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - 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
 - S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - ⤵ 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 119 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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 <i>[Signature]</i> DATE 29/01/24	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

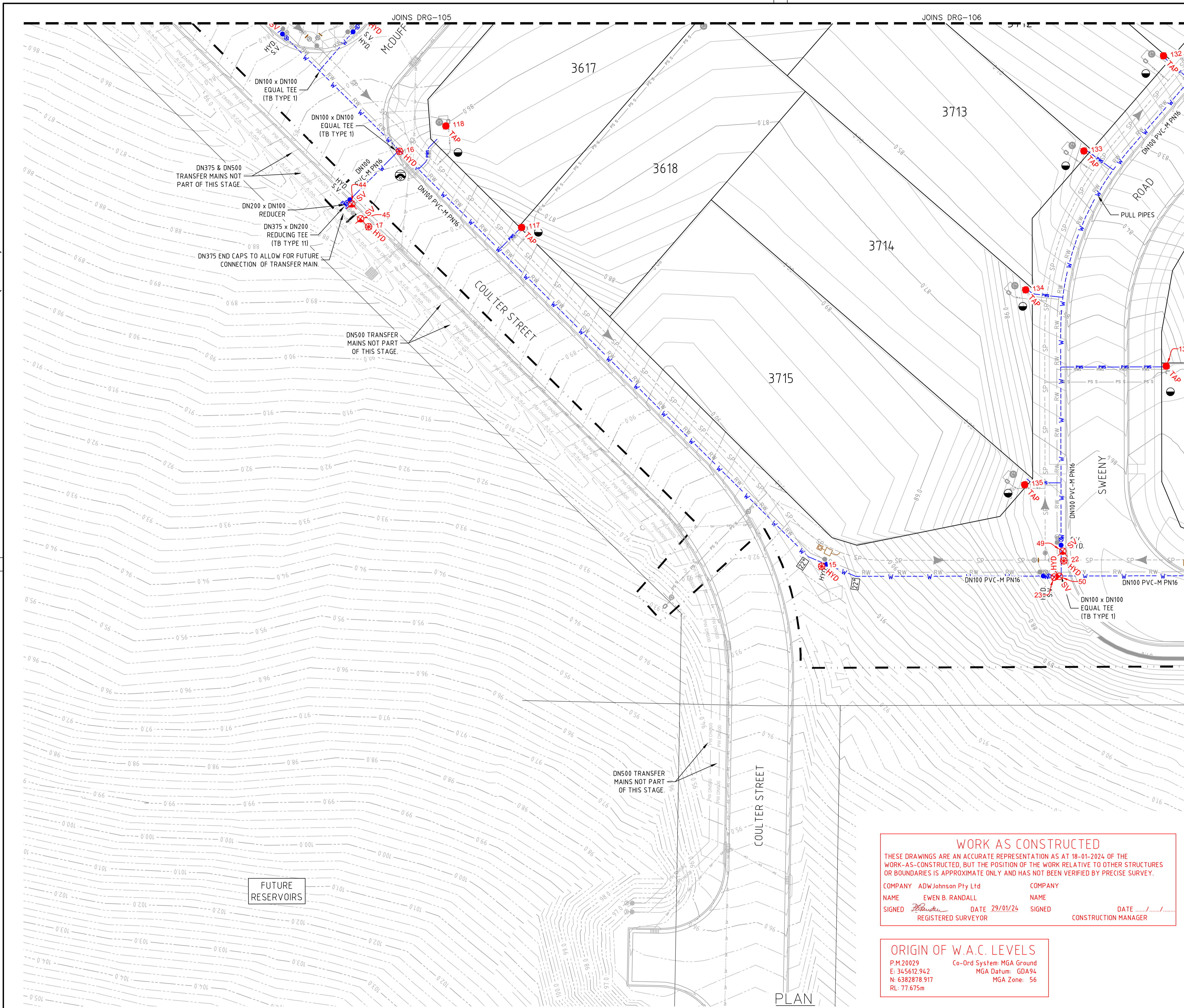
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT		PROPERTY DESCRIPTION		PROJECT								
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE		POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION								
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.						PLAN TITLE			POTABLE WATER DETAIL PLAN - SHEET 7					
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						SURVEYED		DATUM		PROJECT No.		DISCIPLINE	NUMBER	REV.
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						Daly Smith Pty Ltd		GDA94 M.G.A. ZONE 56 A.H.D.		240037(35-38)-		WAC	- 107	5
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.														
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.														
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.														
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.														

240037(35-38)-WAC-110

100mm AT FULL SIZE
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JOINS DRG-105
JOINS DRG-106
JOINS DRG-109



LEGEND

W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
PW DN250	PVC-M DN250 POTABLE WATER TRANSFER MAIN
PW DN300	PVC-M DN300 POTABLE WATER TRANSFER MAIN
PW DN375	PVC-M DN375 POTABLE WATER TRANSFER MAIN
RW DN150	PVC-M DN150 RECYCLED WATER TRANSFER MAIN
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
S.V.	STOP VALVE
S.V. N.C.	STOP VALVE NORMALLY CLOSED
HYD.	HYDRANT
FL. HYD.	FLUSHING HYDRANT
●	PROPERTY SERVICE CONNECTION
○	LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
112.5° 22.5° 65° 90°	HORIZONTAL BEND ANGLE IN MAIN
- - - - -	LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 119 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.

WORK AS CONSTRUCTED

THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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	<i>[Signature]</i>	SIGNED	
REGISTERED SURVEYOR	DATE 29/01/24	CONSTRUCTION MANAGER	DATE

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

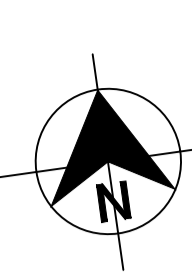
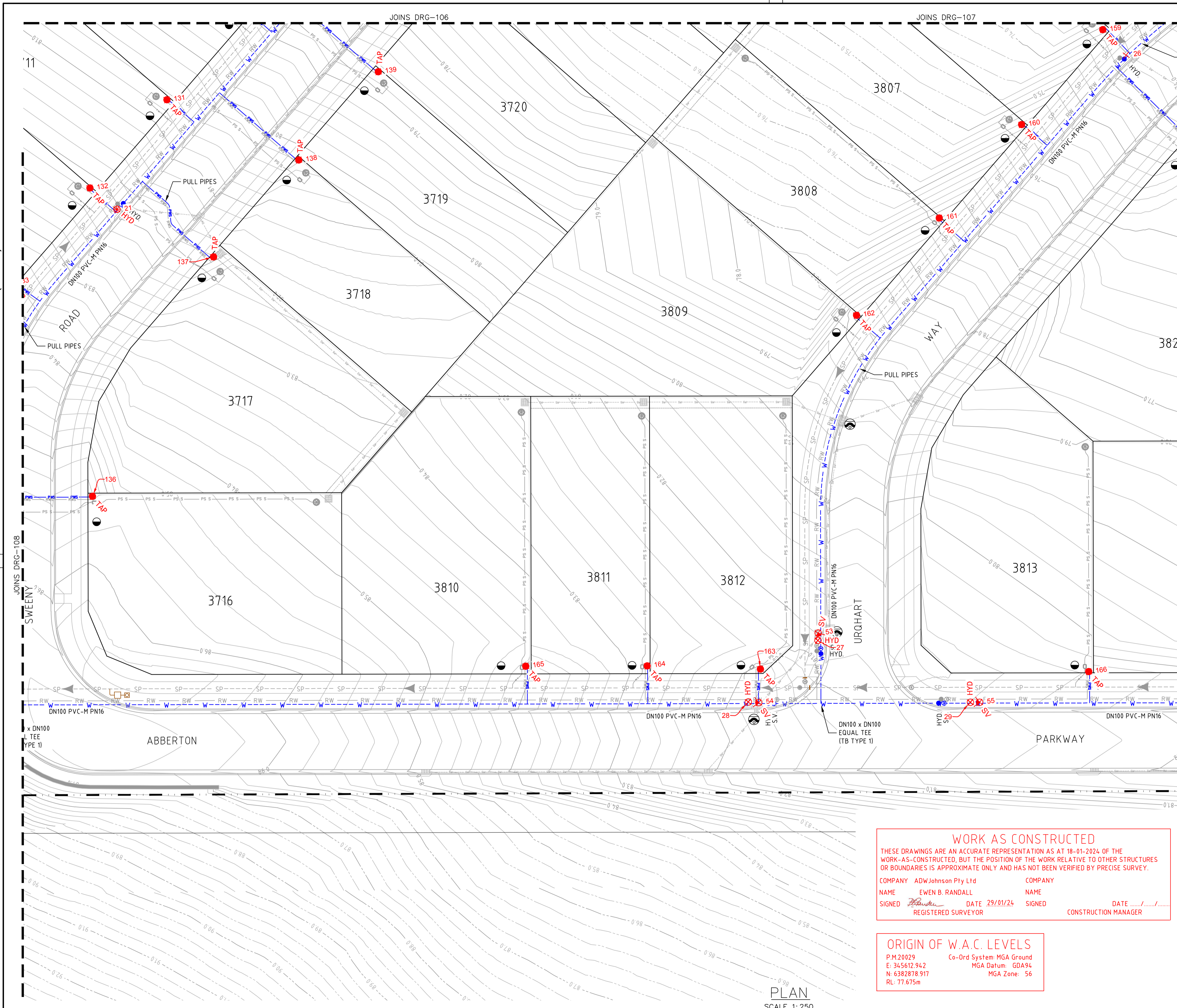
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT 	PROPERTY DESCRIPTION PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION							
PLAN TITLE POTABLE WATER DETAIL PLAN - SHEET 8																			
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	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@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398		PROPERTY DESCRIPTION PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION						
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.						PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 8						
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						PROJECT No.	240037(35-38)-	DISCIPLINE	WAC	NUMBER	108	REV.	5
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.													
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.													
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.													
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.													
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.													

240037(35-38)-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.



- LEGEND**
- W --- W --- PVC-M POTABLE WATER RETICULATION
 - PWS --- PWS --- PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 --- PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 --- PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 --- PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - RW DN150 --- PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - 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
 - S.V. --- STOP VALVE
 - S.V. N.C. --- STOP VALVE NORMALLY CLOSED
 - HYD. --- HYDRANT
 - FL. HYD. --- FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 112.5° 22.5° 6.5° 90° --- HORIZONTAL BEND ANGLE IN MAIN
 - --- LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 119 CONNECTIONS
 - SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd	COMPANY
NAME EWEN B. RANDALL	NAME
SIGNED	SIGNED
DATE 29/01/24	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: 15-02-2023

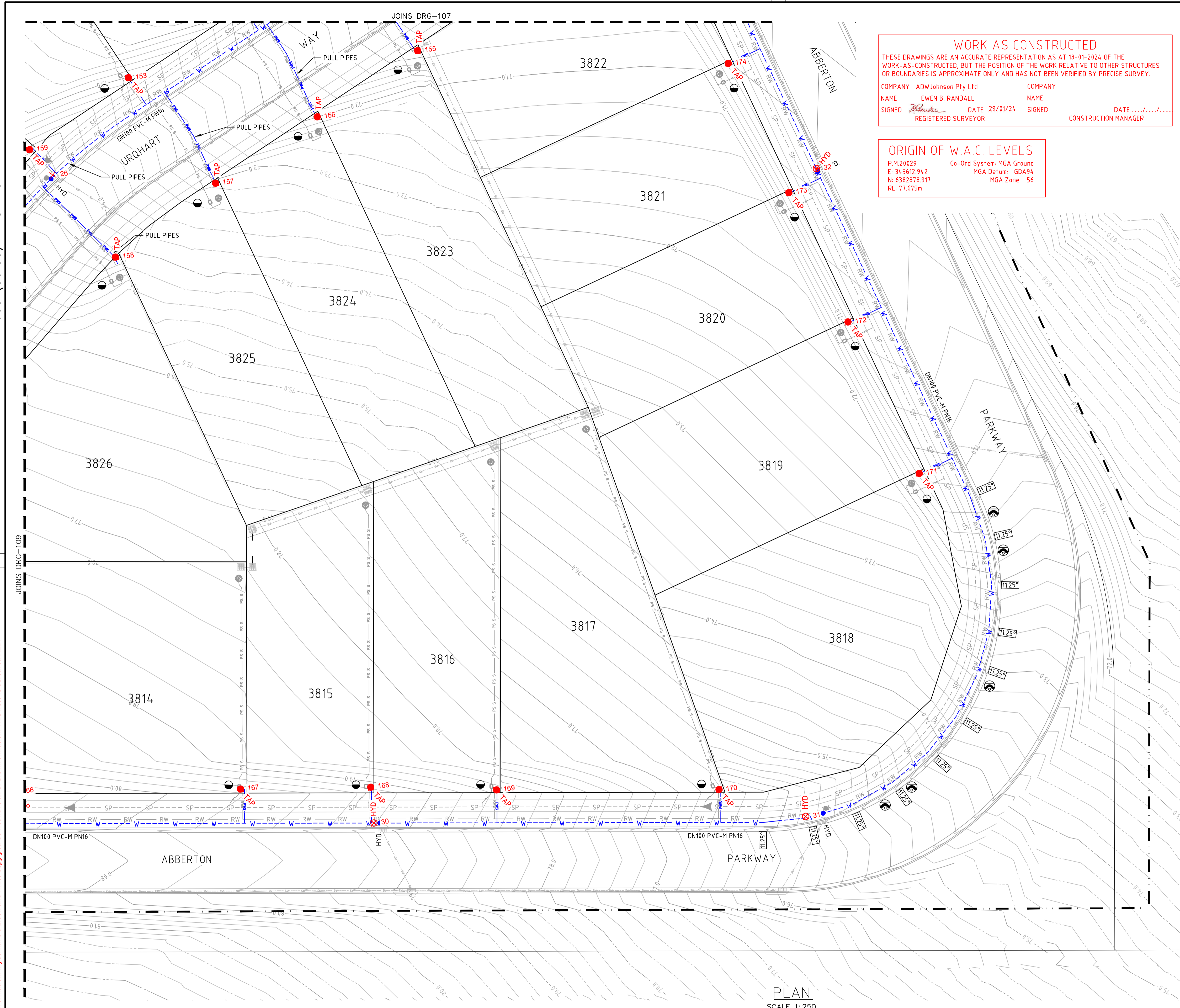
WORK AS CONSTRUCTED

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 PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE POTABLE WATER DETAIL PLAN - SHEET 9																
			PROJECT No. 240037(35-38)-		DISCIPLINE WAC		NUMBER 109		REV. 5							
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.										
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.										
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.										
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.										
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.										
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.										
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.										
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.										

240037(35-38)-WAC-110

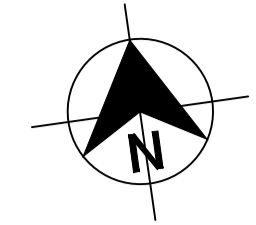
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

100mm AT FULL SIZE



WORK AS CONSTRUCTED
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 COMPANY ADW Johnson Pty Ltd
 NAME EWEN B. RANDALL
 SIGNED *E. Randall* DATE 29/01/24 REGISTERED SURVEYOR
 COMPANY
 NAME
 SIGNED DATE 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



- LEGEND**
- W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - 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
 - S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - P.S.C. PROPERTY SERVICE CONNECTION
 - L.W.M. LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 11.25° 22.5° 45° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
 TOTAL 119 CONNECTIONS
 • SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 -69 x SHORT SIDE
 -40 x LONG SIDE
 • SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 -5 x SHORT SIDE
 -0 x LONG SIDE

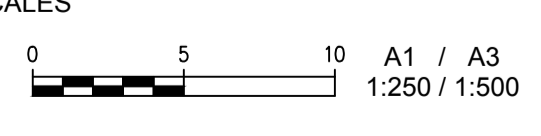
POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN375	PVC-M PN16	346
DN300	PVC-M PN16	53
DN250	PVC-M PN16	14
DN100	PVC-M PN16	1877
DN20 (LATERAL)	PE PN16	839

- 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-403.

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

PLAN
 SCALE 1: 250



REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

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
 PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLEE

PROPERTY DESCRIPTION	PROJECT	PLAN TITLE
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	POTABLE WATER DETAIL PLAN - SHEET 110
SURVEYED Daly,Smith Pty Ltd	DATUM GDA94 M.G.A. ZONE 56	PROJECT No. 240037(35-38)-
A.H.D.	DISCIPLINE WAC	NUMBER 110
		REV. 5

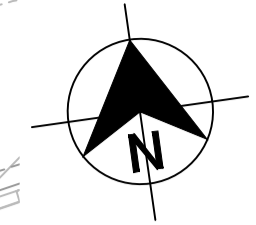
240037(35-38)-WAC-210

100mm AT FULL SIZE
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WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED *E. Randall* DATE 29/01/24 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

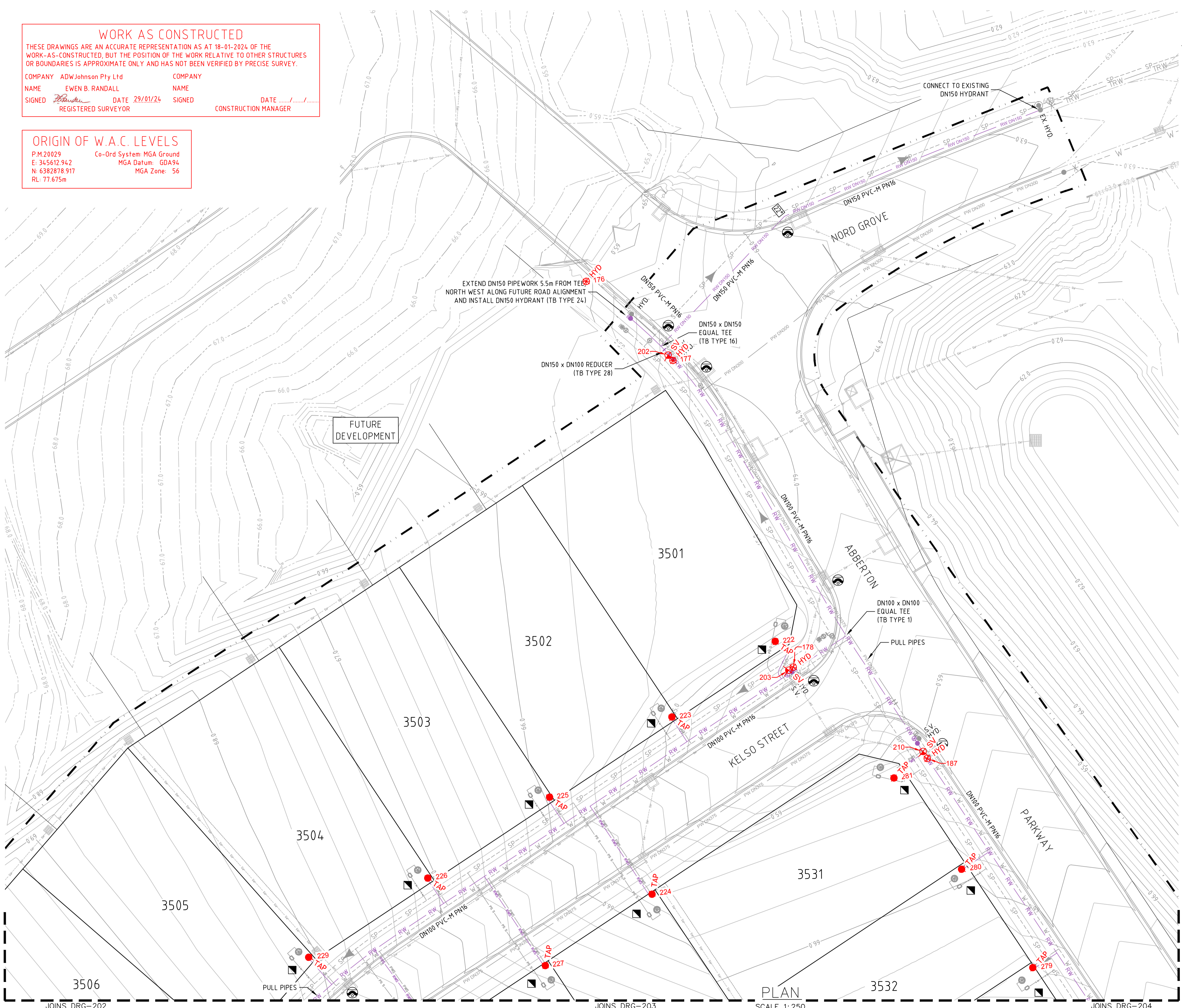


- LEGEND**
- RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PW DN500 PE DN500 POTABLE WATER TRANSFER MAIN
 - SP SP PE PRESSURE SEWER RETICULATION
 - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
 - SW SW STORMWATER PIPEWORK
- S.V. STOP VALVE
 - S.V.N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - HORIZONTAL BEND ANGLE IN MAIN (112.5°, 22.5°, 65°, 90°)
 - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
 TOTAL 119 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN150	PVC-M PN16	65
DN100	PVC-M PN16	1931
DN25 (LATERAL)	PE PN16	855

- 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-403.



APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

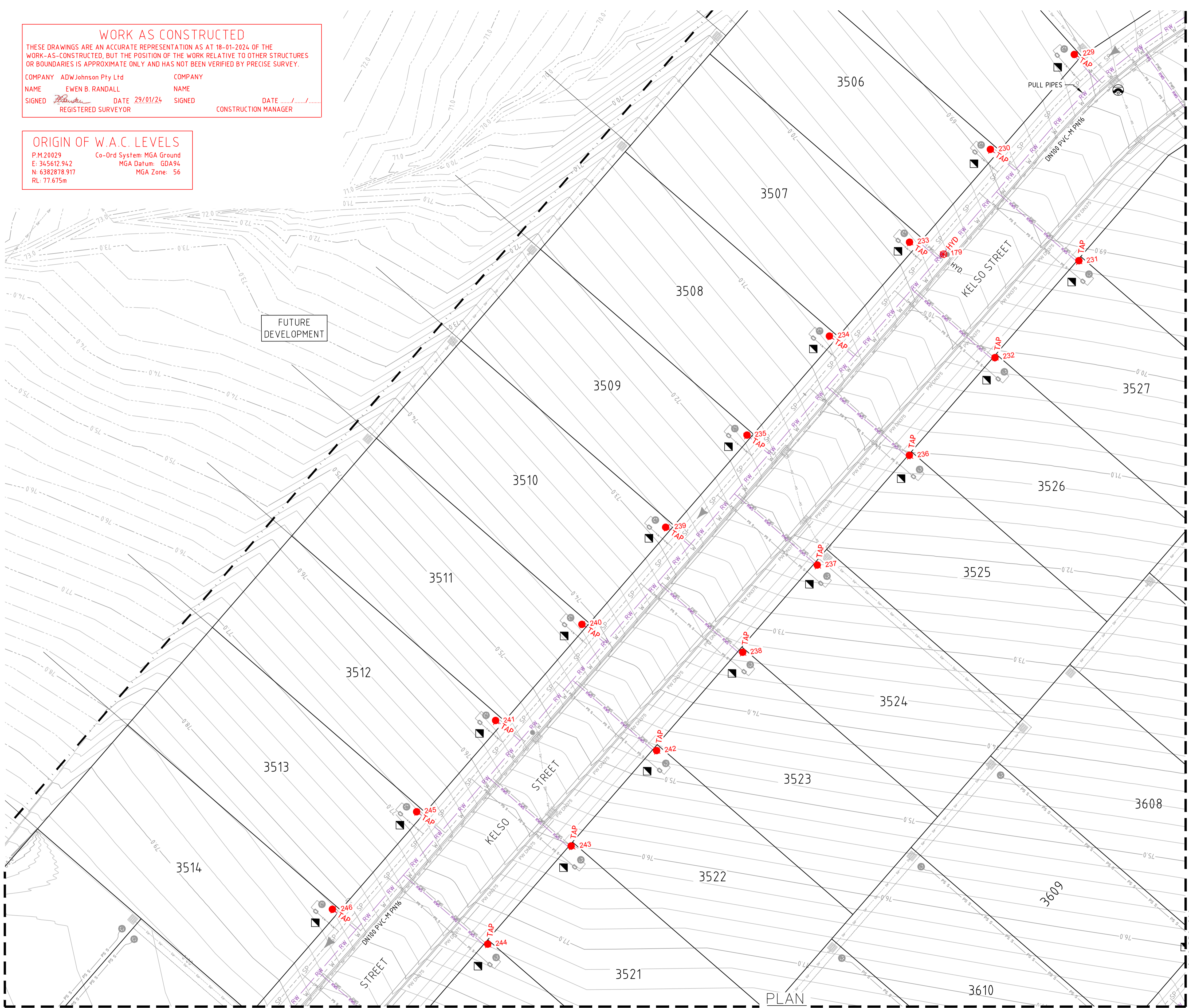
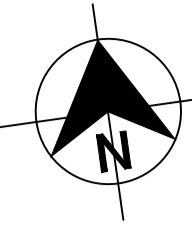
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT		
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398		PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.						PLAN TITLE
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.					RECYCLED WATER DETAIL PLAN - SHEET 1	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.					PROJECT No. DISCIPLINE NUMBER REV. 240037(35-38)- WAC - 14 5	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.						
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	SURVEYED: Daly, Smith Pty Ltd DATUM: GDA94 M.G.A. ZONE 56 A.H.D.					
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.						

240037(35-38)-WAC-210

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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED *[Signature]* DATE 29/01/24 SIGNED DATE
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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



- LEGEND**
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 - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PE DN500 POTABLE WATER TRANSFER MAIN
 - SP SP SP PE PRESSURE WATER RETICULATION
 - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
 - SW SW SW STORMWATER PIPEWORK
 - S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 112.5° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

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RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
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APPROVED FOR CONSTRUCTION
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100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	 A1 / A3 1:250 / 1:500
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
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5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

DRAWN	CHECK	DESIGN	VERIFY
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G.S.	C.B.	G.S.	C.B.
G.S.	C.B.	G.S.	C.B.
G.S.	C.S.	G.S.	C.B.
G.S.	C.H.	G.S.	C.B.
G.S.	T.B.	G.S.	B.R.

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

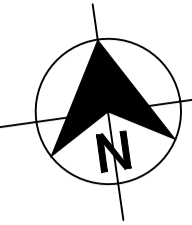
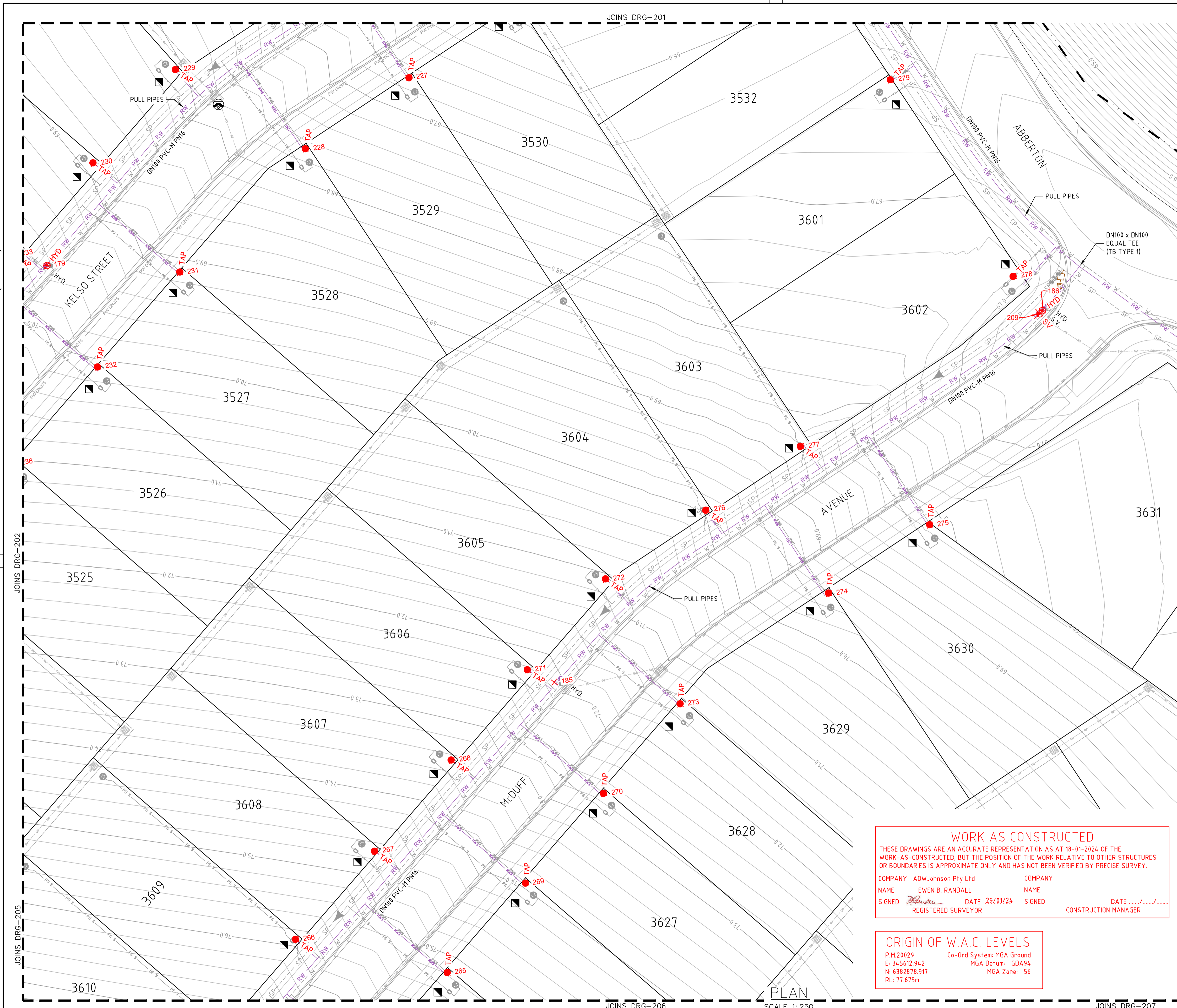
PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLIEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 2		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(35-38)-	WAC	202	5

240037(35-38)-WAC-210

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- LEGEND**
- RW RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED DATE 29/01/24 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
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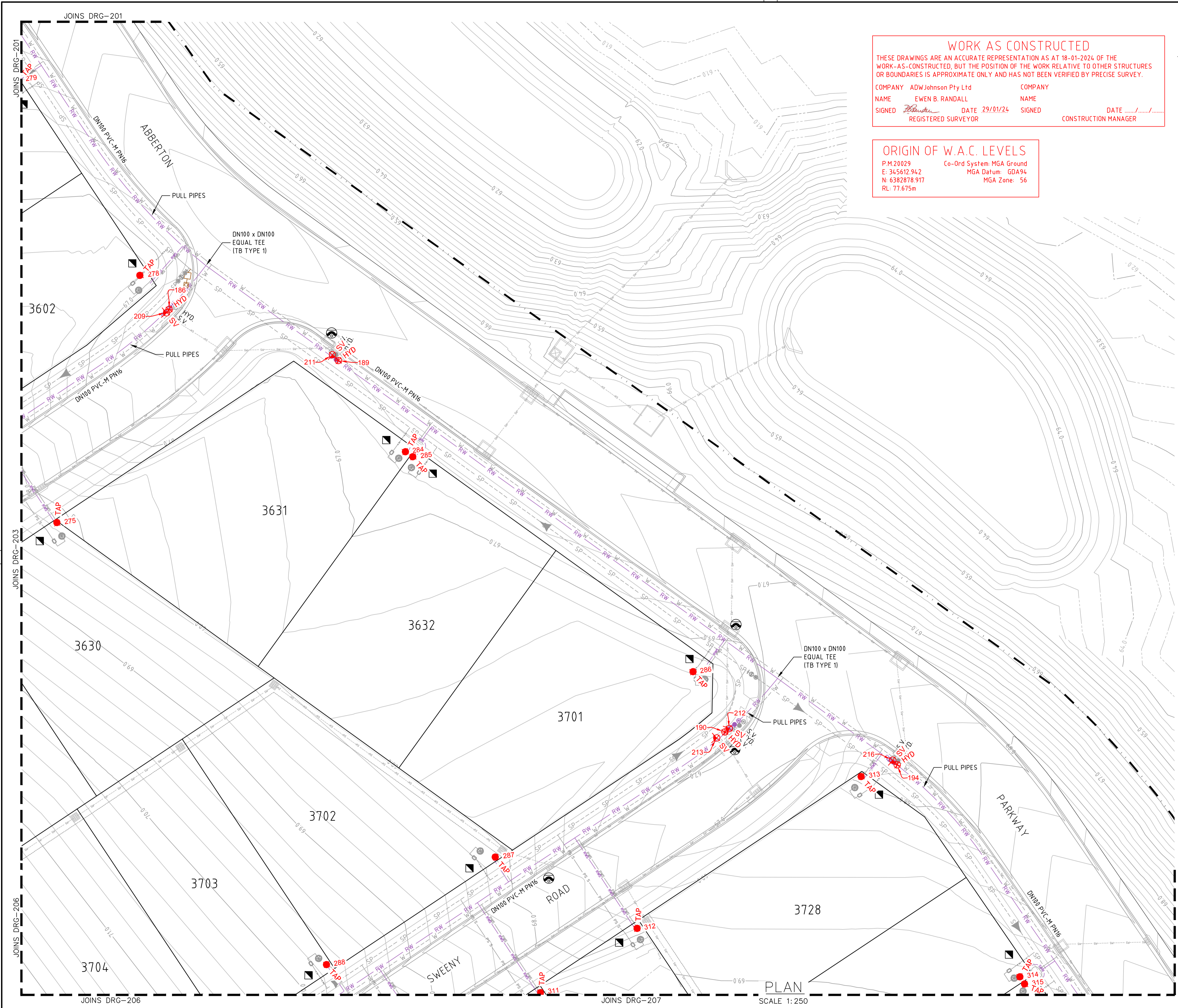
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Date Approved: 15-02-2023

WORK AS CONSTRUCTED

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr><td>A</td><td>06.05.2022</td><td>INITIAL ISSUE</td></tr> <tr><td>D</td><td>22.11.2022</td><td>CLIENT COMMENTS</td></tr> <tr><td>0</td><td>15.02.2023</td><td>FOR CONSTRUCTION</td></tr> <tr><td>1</td><td>17.04.2023</td><td>FOR CONSTRUCTION</td></tr> <tr><td>2</td><td>21.04.2023</td><td>FOR CONSTRUCTION</td></tr> <tr><td>3</td><td>08.05.2023</td><td>FOR CONSTRUCTION</td></tr> <tr><td>4</td><td>26.06.2023</td><td>FOR CONSTRUCTION</td></tr> <tr><td>5</td><td>29.01.2024</td><td>WORK AS CONSTRUCTED</td></tr> </tbody> </table>	REV.	DATE	AMENDMENT	A	06.05.2022	INITIAL ISSUE	D	22.11.2022	CLIENT COMMENTS	0	15.02.2023	FOR CONSTRUCTION	1	17.04.2023	FOR CONSTRUCTION	2	21.04.2023	FOR CONSTRUCTION	3	08.05.2023	FOR CONSTRUCTION	4	26.06.2023	FOR CONSTRUCTION	5	29.01.2024	WORK AS CONSTRUCTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr><td>G.S.</td><td>C.B.</td><td>G.S.</td><td>C.B.</td></tr> <tr><td>G.S.</td><td>N.C.</td><td>G.S.</td><td>C.B.</td></tr> <tr><td>G.S.</td><td>C.B.</td><td>G.S.</td><td>C.B.</td></tr> <tr><td>G.S.</td><td>C.B.</td><td>G.S.</td><td>C.B.</td></tr> <tr><td>G.S.</td><td>C.S.</td><td>G.S.</td><td>C.B.</td></tr> <tr><td>G.S.</td><td>C.H.</td><td>G.S.</td><td>C.B.</td></tr> <tr><td>G.S.</td><td>T.B.</td><td>G.S.</td><td>B.R.</td></tr> </tbody> </table>	DRAWN	CHECK	DESIGN	VERIFY	G.S.	C.B.	G.S.	C.B.	G.S.	N.C.	G.S.	C.B.	G.S.	C.B.	G.S.	C.B.	G.S.	C.B.	G.S.	C.B.	G.S.	C.S.	G.S.	C.B.	G.S.	C.H.	G.S.	C.B.	G.S.	T.B.	G.S.	B.R.	<p>SCALES</p> <p>0 5 10 A1 / A3 1:250 / 1:500</p>	<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p>	<p>PROPERTY DESCRIPTION</p> <p style="text-align: center;">PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE</p>	<p>PROJECT</p> <p style="text-align: center;">POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p style="text-align: center;">RECYCLED WATER DETAIL PLAN - SHEET 3</p>
REV.	DATE	AMENDMENT																																																															
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G.S.	T.B.	G.S.	B.R.																																																														
DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-design.dwg		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE		PROJECT No. 240037(35-38)-		DISCIPLINE WAC		NUMBER 203		REV. 5																																																							

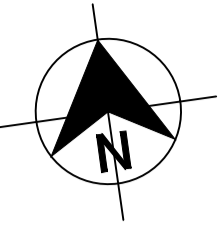
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 COMPANY ADW Johnson Pty Ltd
 NAME EWEN B. RANDALL
 SIGNED [Signature] DATE 29/01/24 REGISTERED SURVEYOR
 COMPANY [Blank]
 NAME [Blank]
 SIGNED [Blank] DATE [Blank] CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 P.M 20029 Co-Ord System: MGA Ground
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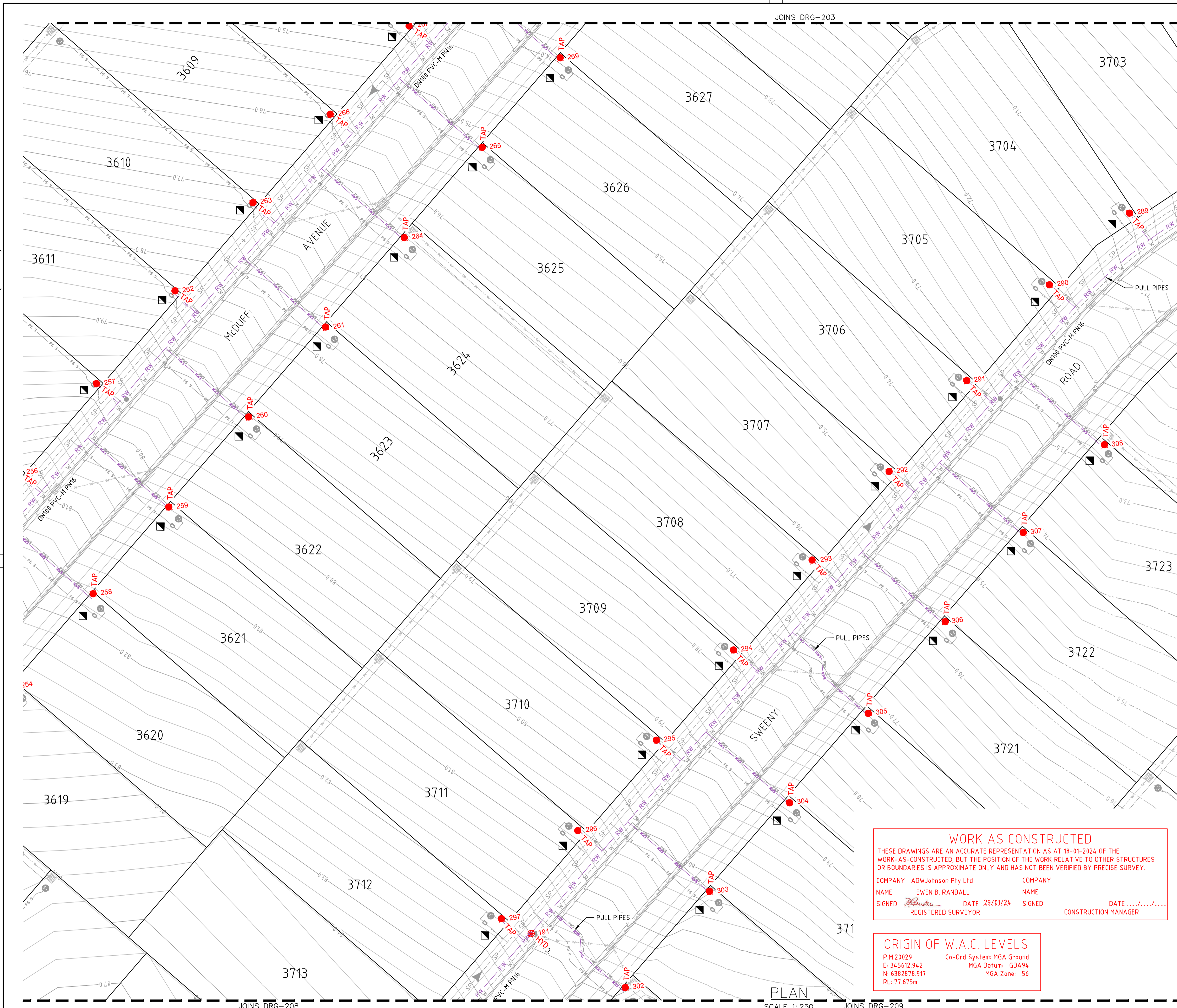
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 Date Approved: 15-02-2023

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A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	alttogether. PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN - SHEET 4	240037(35-38)-	WAC	204	5
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.									
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
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JOINS DRG-203
JOINS DRG-204
JOINS DRG-207
JOINS DRG-208
JOINS DRG-209



LEGEND

	RW DN150	PVC-M DN150 RECYCLED WATER TRANSFER MAIN
	RW DN100	PVC-M DN100 RECYCLED WATER TRANSFER MAIN
	RW DN250	PVC-M DN250 POTABLE WATER TRANSFER MAIN
	RW DN300	PVC-M DN300 POTABLE WATER TRANSFER MAIN
	RW DN375	PVC-M DN375 POTABLE WATER TRANSFER MAIN
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	SW	STORMWATER PIPEWORK
	S.V.	STOP VALVE
	S.V. N.C.	STOP VALVE NORMALLY CLOSED
	HYD.	HYDRANT
	FL. HYD.	FLUSHING HYDRANT
		PROPERTY SERVICE CONNECTION
		LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
	112.5° 22.5° 65° 90°	HORIZONTAL BEND ANGLE IN MAIN
		LIMIT OF SUBDIVISION WORKS

RECYCLED WATER PROPERTY SERVICE CONNECTIONS

TOTAL 119 CONNECTIONS

- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
- SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN150	PVC-M PN16	65
DN100	PVC-M PN16	1931
DN25 (LATERAL)	PE PN16	855

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-403.

WORK AS CONSTRUCTED

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	EWEN B. RANDALL	NAME	
SIGNED		SIGNED	
REGISTERED SURVEYOR	DATE 29/01/24	CONSTRUCTION MANAGER	DATE

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

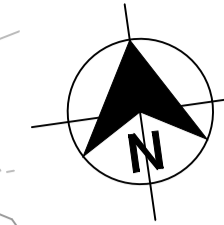
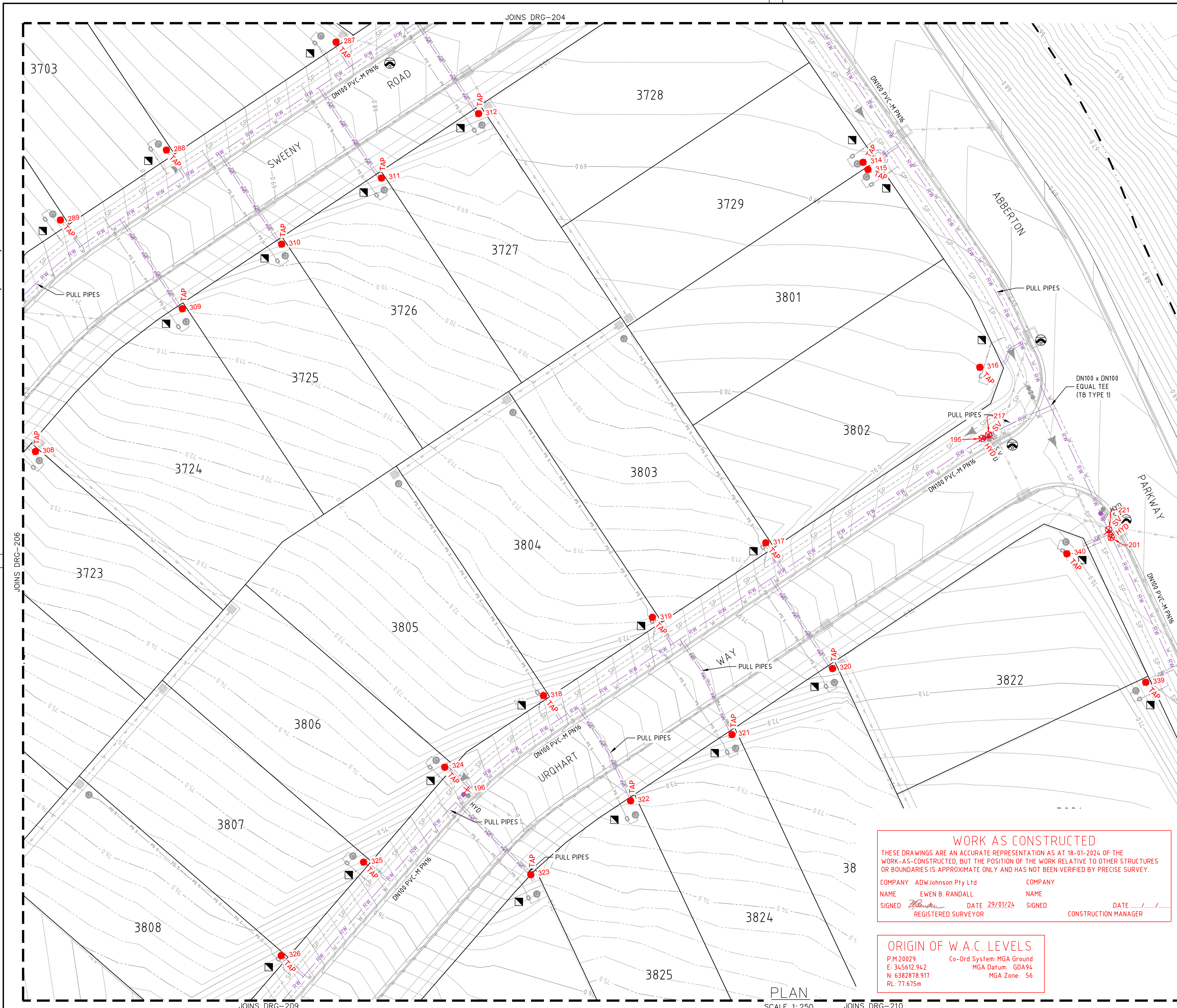
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 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 PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION			
PLAN TITLE RECYCLED WATER DETAIL PLAN - SHEET 6															
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.						PROJECT No.	DISCIPLINE	NUMBER	REV.
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.						240037(35-38)-	WAC	206	5
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.									
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.									
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.									

240037(35-38)-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.



- LEGEND**
- RW RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PE DN500 POTABLE WATER TRANSFER MAIN
 - SP SP SP PE PRESSURE SEWER RETICULATION
 - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
 - SW SW SW STORMWATER PIPEWORK
- S.V. Ⓢ STOP VALVE
 - S.V. N.C. Ⓢ STOP VALVE NORMALLY CLOSED
 - HYD. Ⓢ HYDRANT
 - FL. HYD. Ⓢ FLUSHING HYDRANT
 - Ⓢ PROPERTY SERVICE CONNECTION
 - Ⓢ LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - 1125° 225° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
TOTAL 119 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 5 x SHORT SIDE
 - 0 x LONG SIDE

RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN150	PVC-M PN16	65
DN100	PVC-M PN16	1931
DN25 (LATERAL)	PE PN16	855

- 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-403.

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 29/01/24 REGISTERED SURVEYOR

COMPANY
NAME
SIGNED [Signature] DATE 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

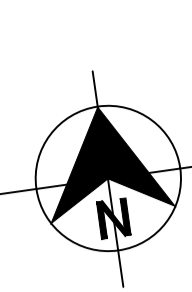
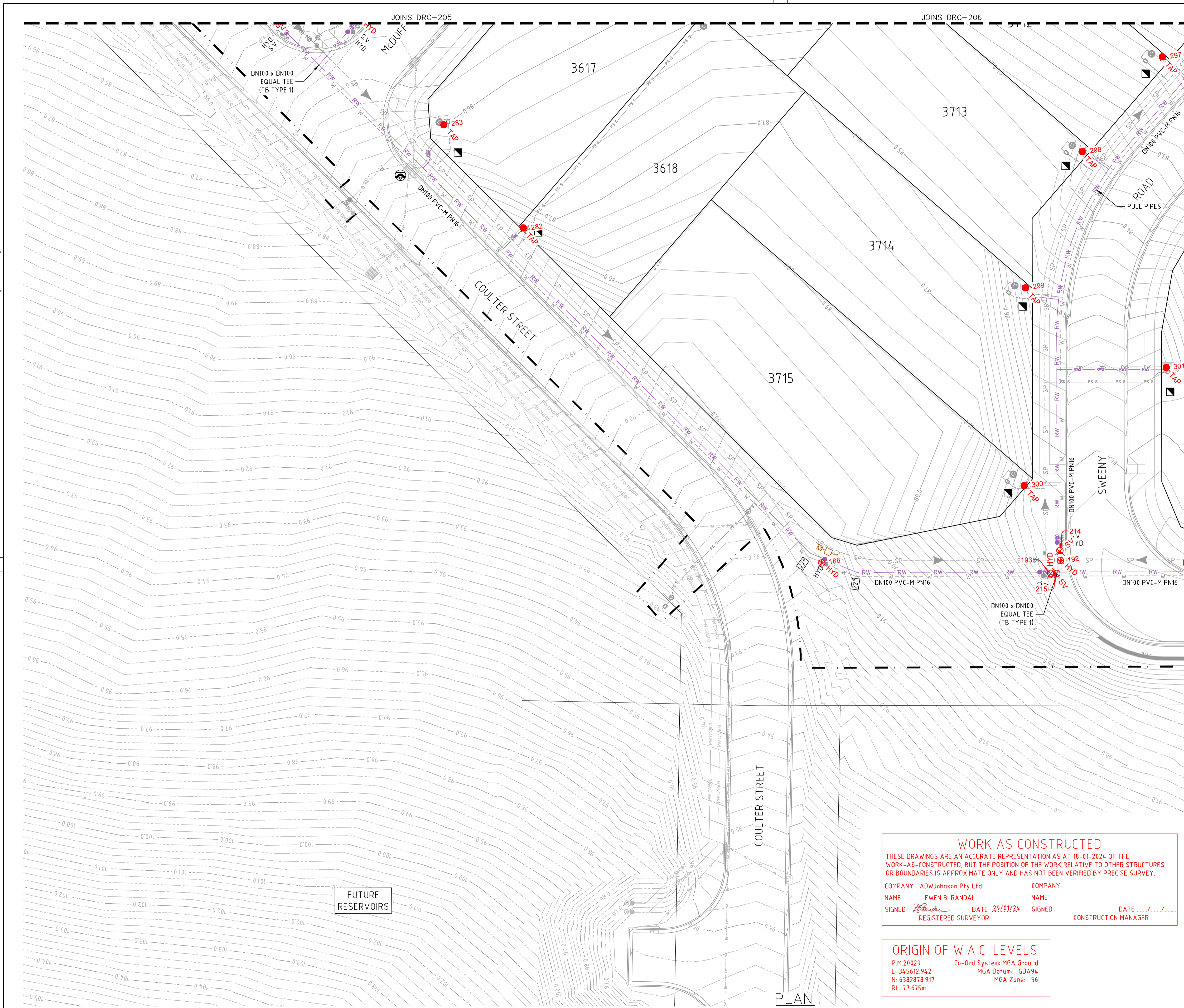
APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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 PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	PROPERTY DESCRIPTION POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PROJECT PLAN TITLE RECYCLED WATER DETAIL PLAN - SHEET 7	PROJECT No. 240037(35-38)-	DISCIPLINE WAC	NUMBER 207	REV. 5	
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	0 5 10 A1 / A3 1:250 / 1:500											
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.												
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.												
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.												
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.												
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.												
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.												
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.												

240037(35-38)-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.



- LEGEND**
- RW — RW — PVC-M RECYCLED WATER RETICULATION
 - RWS — RWS — PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 — RW DN150 — PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W — W — PVC-M POTABLE WATER RETICULATION
 - PWS — PWS — PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 — PW DN250 — PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 — PW DN300 — PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 — PW DN375 — PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 — PW DN500 — PE DN500 POTABLE WATER TRANSFER MAIN
 - SP — SP — PE PRESSURE SEWER RETICULATION
 - PS S — PS S — PE PRESSURE SEWER PROPERTY SERVICE
 - SW — SW — STORMWATER PIPEWORK
- S.V. — STOP VALVE
 - S.V. N.C. — STOP VALVE NORMALLY CLOSED
 - HYD. — HYDRANT
 - FL. HYD. — FLUSHING HYDRANT
 - — PROPERTY SERVICE CONNECTION
 - — LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - ◻ 112.5° 22.5° 65° 90° — HORIZONTAL BEND ANGLE IN MAIN
 - — LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 119 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 69 x SHORT SIDE
 - 40 x LONG SIDE
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RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN150	PVC-M PN16	65
DN100	PVC-M PN16	1931
DN25 (LATERAL)	PE PN16	855

- NOTES:**
1. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
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WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd	COMPANY
NAME EWEN B. RANDALL	NAME
SIGNED <i>E. Randall</i> DATE 29/01/24	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

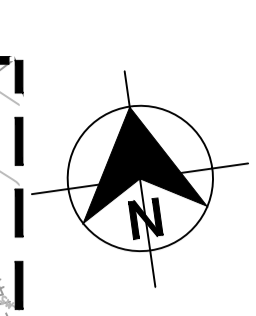
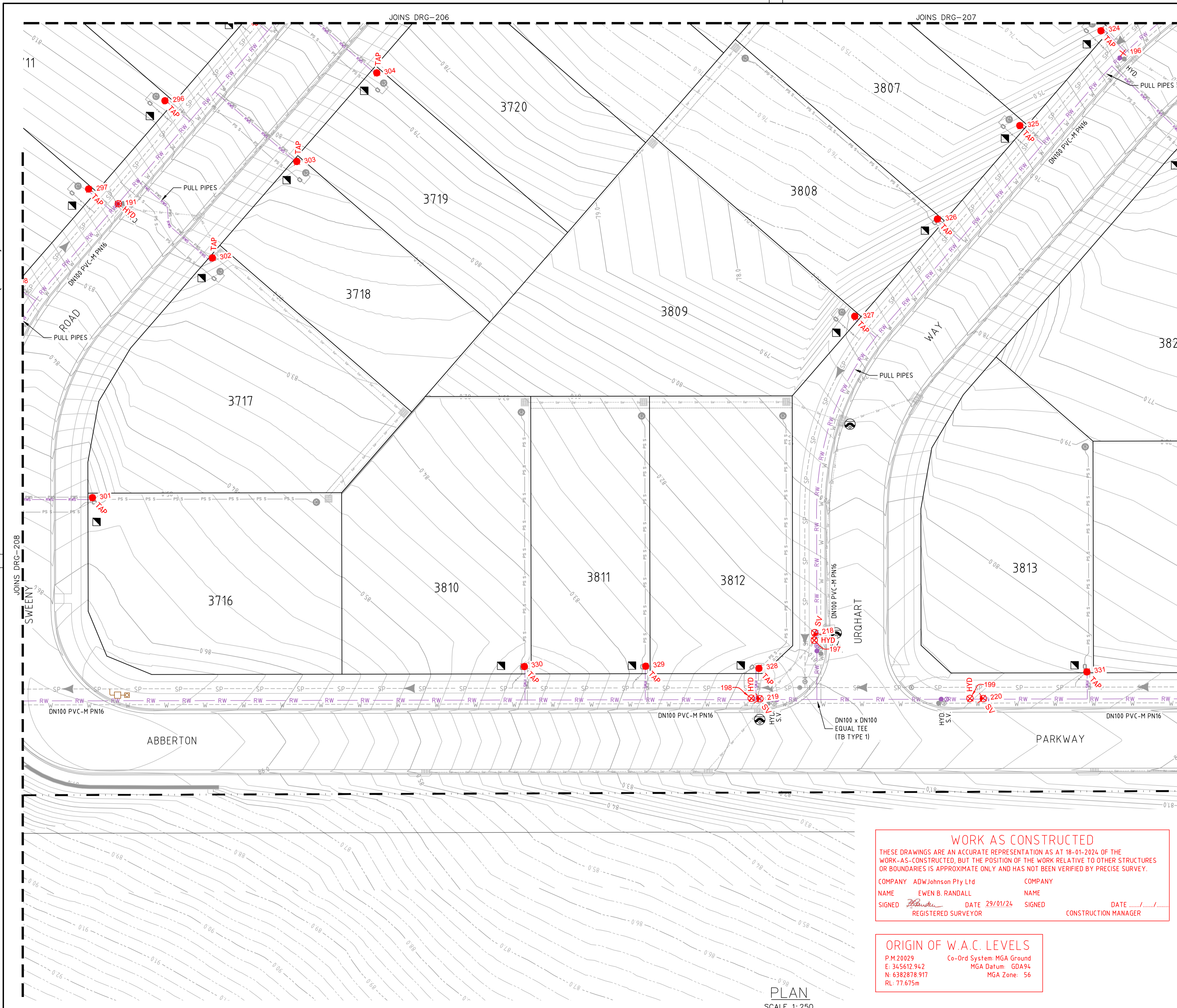
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT	PROPERTY DESCRIPTION PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION						
PLAN TITLE		RECYCLED WATER DETAIL PLAN - SHEET 8		PROJECT No.	DISCIPLINE	NUMBER	REV.										
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	A1 / A3 1:250 / 1:500				240037(35-38)-	WAC	208	5			
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.											
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.											
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.											
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.											
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.											
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.											
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.											

240037(35-38)-WAC-210

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- LEGEND**
- RW RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PE DN500 POTABLE WATER TRANSFER MAIN
 - SP SP SP PE PRESSURE SEWER RETICULATION
 - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
 - SW SW SW STORMWATER PIPEWORK
 - S.V. STOP VALVE
 - S.V. N.C. STOP VALVE NORMALLY CLOSED
 - HYD. HYDRANT
 - FL. HYD. FLUSHING HYDRANT
 - PROPERTY SERVICE CONNECTION
 - LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - ◻ 1125° 22.5° 65° 90° HORIZONTAL BEND ANGLE IN MAIN
 - LIMIT OF SUBDIVISION WORKS

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 119 CONNECTIONS
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RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN150	PVC-M PN16	65
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- NOTES:**
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WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd	COMPANY
NAME EWEN B. RANDALL	NAME
SIGNED <i>[Signature]</i> DATE 29/01/24	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: 15-02-2023

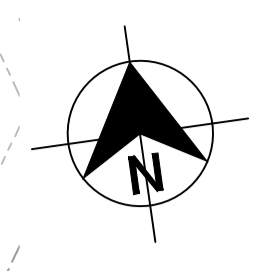
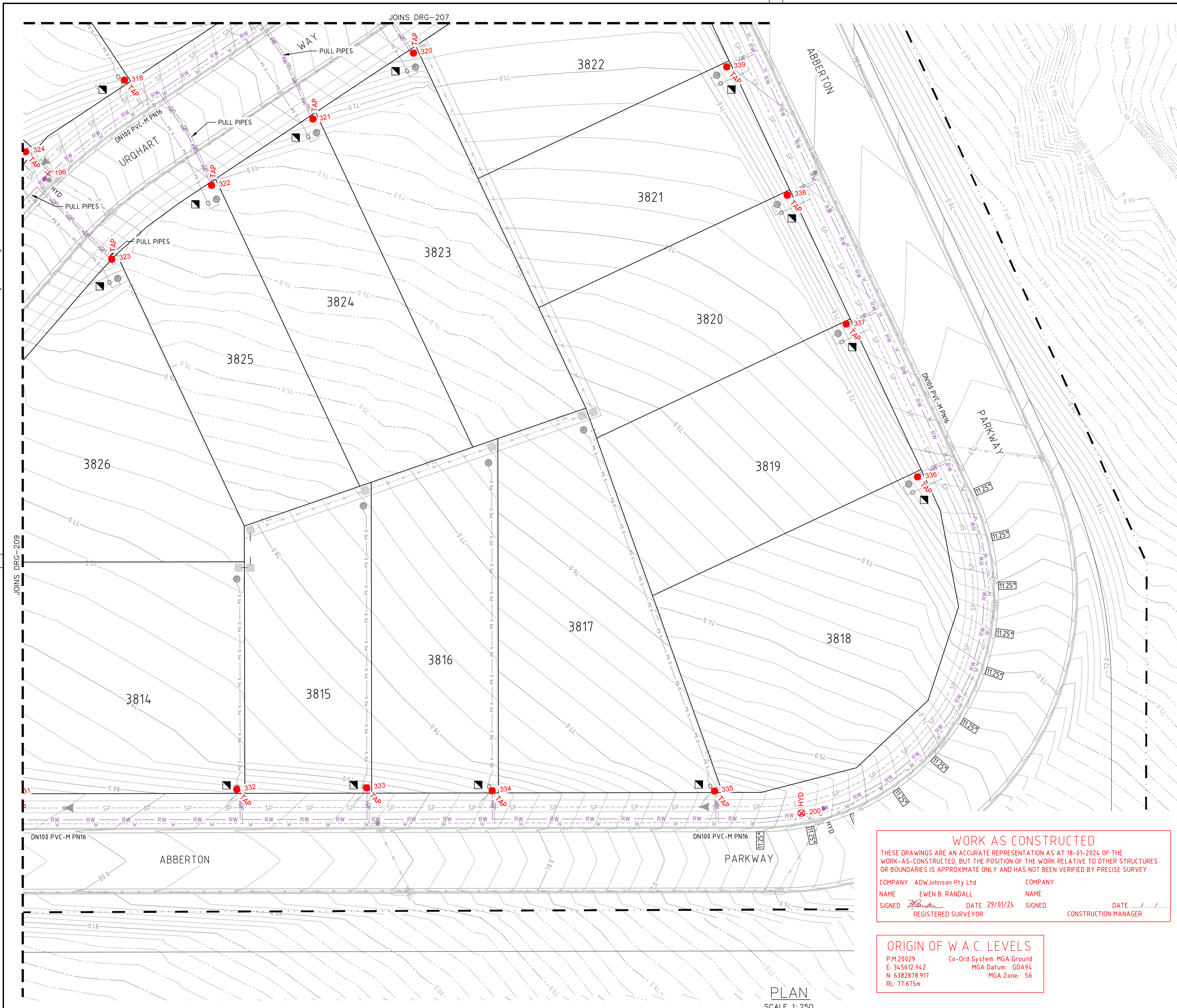
WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT		PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	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	PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN - SHEET 9	240037(35-38)-	WAC	209	5
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.										
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.										
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.										
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240037(35-38)-WAC-210

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100mm AT FULL SIZE



- LEGEND**
- RW RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
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DN25 (LATERAL)	PE PN16	855

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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED *E. Randall* DATE 29/01/24 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: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-design.dwg ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

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

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 10		
SURVEYED	DATUM	DISCIPLINE	NUMBER
Daly.Smith Pty Ltd	GDA94 M.G.A. ZONE 56	A.H.D.	210
PROJECT No.	240037(35-38)-	DISCIPLINE	WAC
NUMBER	210	REV.	5

240037(35-38)-WAC-310

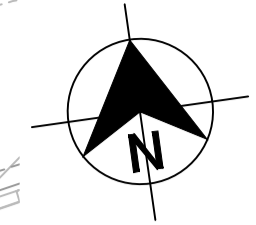
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COMPANY
 NAME
 SIGNED [Signature] DATE CONSTRUCTION MANAGER

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



- LEGEND**
- SP- PE PRESSURE SEWER RETICULATION
 - PS S- PE PRESSURE SEWER PROPERTY SERVICE
 - RW- PVC-M RECYCLED WATER RETICULATION
 - RWS- PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150- PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W- PVC-M POTABLE WATER RETICULATION
 - PWS- PE POTABLE WATER PROPERTY SERVICE
 - PW DN250- PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300- PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375- PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500- PE DN500 POTABLE WATER TRANSFER MAIN
 - SW- STORMWATER PIPEWORK
- 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

PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 120 CONNECTIONS
 (INC. BODY KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)

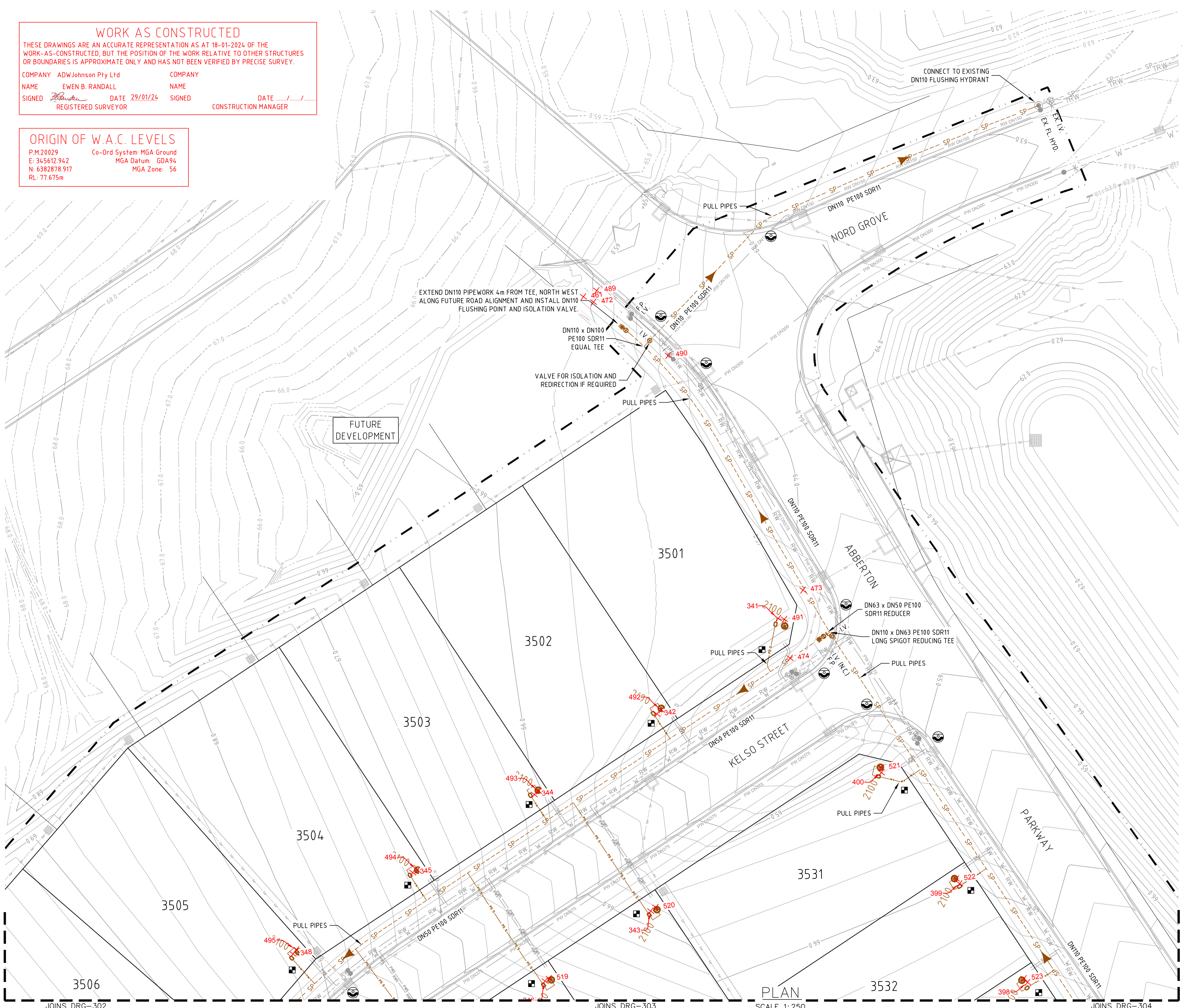
- SINGLE SERVICES
- 79 x SHORT SIDE
- 40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN110	PE PN16	542
DN90	PE PN16	118
DN75	PE PN16	122
DN63	PE PN16	362
DN50	PE PN16	834
DN40 (LATERAL)	PE PN16	1729

- 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-403.
 - 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).

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK 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		PROJECT	
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	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 	PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE		POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.					PLAN TITLE		PRESSURE SEWER DETAIL PLAN - SHEET 1	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.					PROJECT No.		240037(35-38)-	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.					DISCIPLINE		WAC	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.					NUMBER		301	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.					REV.		5	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	SURVEYED		Daly, Smith Pty Ltd					
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	DATUM		GDA94 M.G.A. ZONE 56 A.H.D.					

240037(35-38)-WAC-310

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME EWEN B. RANDALL NAME
 SIGNED *E. Randall* DATE 29/01/24 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



- LEGEND**
- SP- SP- PE PRESSURE SEWER RETICULATION
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 - RW RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PVC-M DN500 POTABLE WATER TRANSFER MAIN
 - SW SW SW STORMWATER PIPEWORK
- 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

PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 120 CONNECTIONS
 (INC. BODY KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)

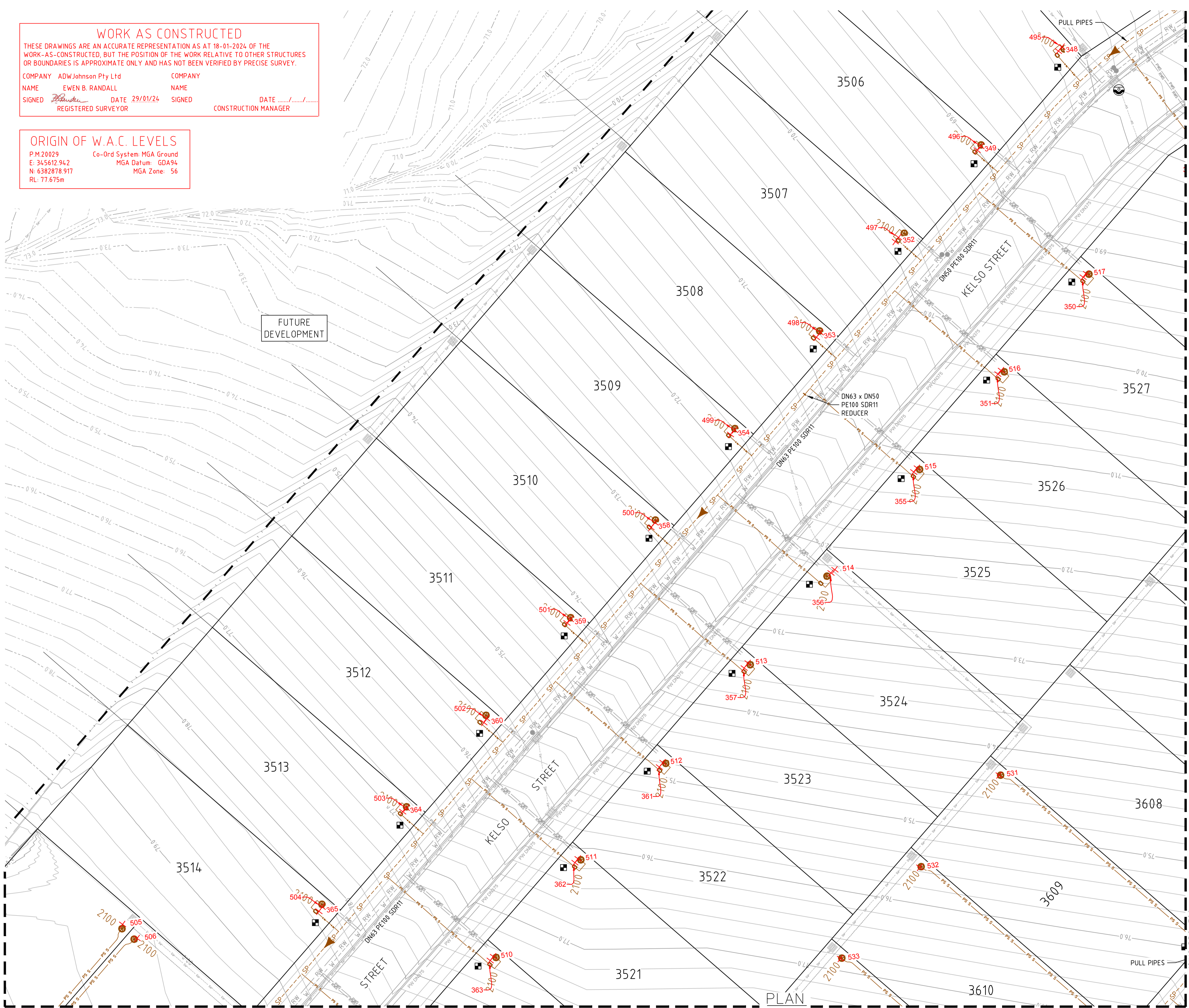
- SINGLE SERVICES -79 x SHORT SIDE
- 40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN110	PE PN16	542
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 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-403.
 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-107-FS.
 - FOR FLOW MONITORING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-115-FS.
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 - ALL BENDS SHALL BE ELECTROFUSION SWEEP BENDS (FABRICATED BENDS SHALL NOT BE USED).

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED



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

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-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

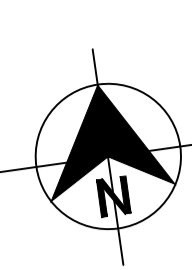
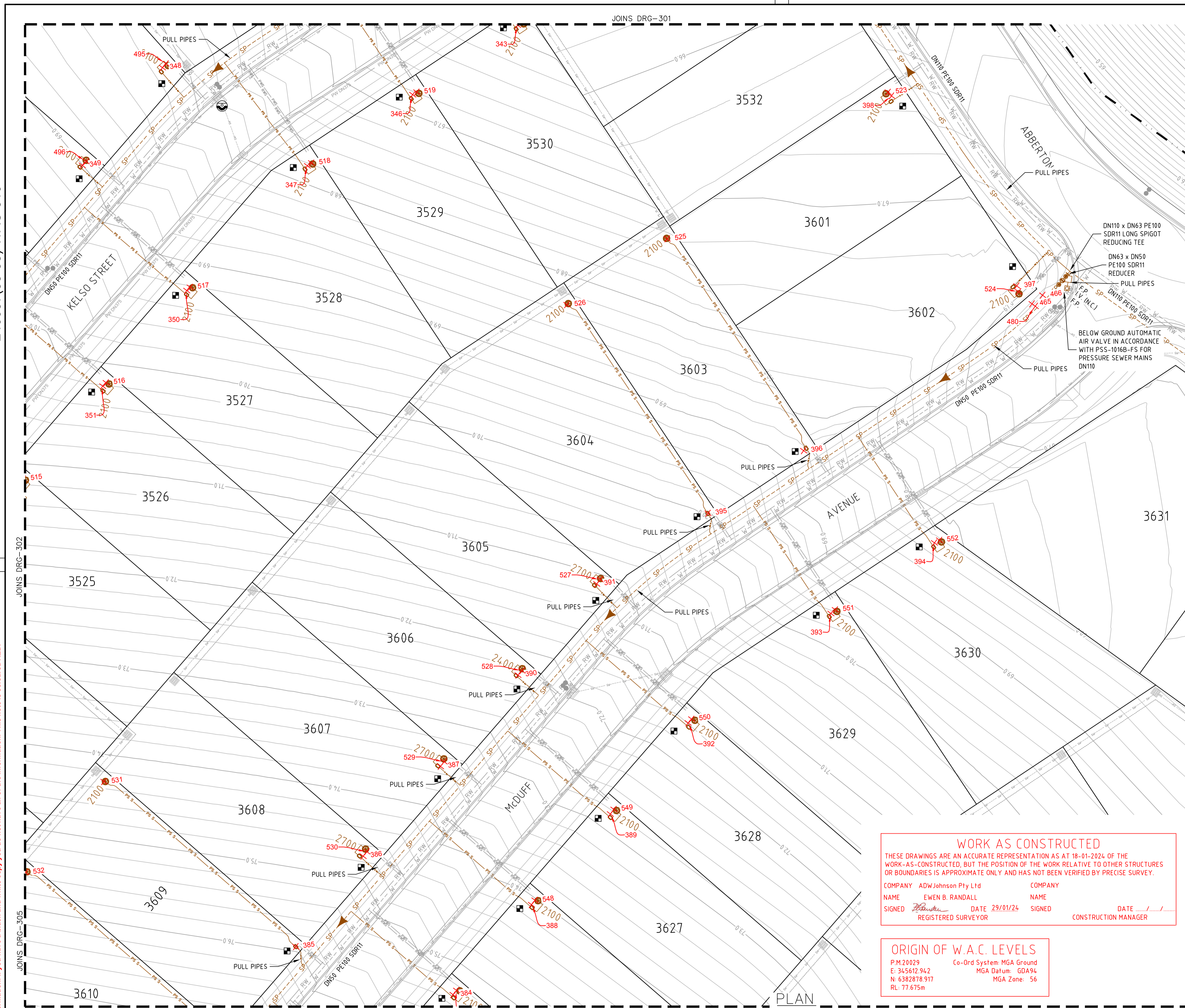
PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLEE

SURVEYED: Daly 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 2		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(35-38)-	WAC	302	5

240037(35-38)-WAC-310

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LEGEND

SP	PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
RW	PVC-M RECYCLED WATER RETICULATION
RWS	PE RECYCLED WATER PROPERTY SERVICE
RW DN150	PVC-M DN150 RECYCLED WATER TRANSFER MAIN
W	PVC-M POTABLE WATER RETICULATION
PWS	PE POTABLE WATER PROPERTY SERVICE
PW DN250	PVC-M DN250 POTABLE WATER TRANSFER MAIN
PW DN300	PVC-M DN300 POTABLE WATER TRANSFER MAIN
PW DN375	PVC-M DN375 POTABLE WATER TRANSFER MAIN
PW DN500	PE DN500 POTABLE WATER TRANSFER MAIN
SW	STORMWATER PIPEWORK

I.V.	ISOLATION VALVE
I.V. (N.C.)	ISOLATION VALVE (NORMALLY CLOSED)
F.P.	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

--- LIMIT OF SUBDIVISION WORKS

PRESSURE SEWER PROPERTY SERVICE CONNECTIONS

TOTAL 120 CONNECTIONS
(INC. BDY KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)

- SINGLE SERVICES
- 19 x SHORT SIDE
- 40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN110	PE PN16	542
DN90	PE PN16	118
DN75	PE PN16	122
DN63	PE PN16	362
DN50	PE PN16	834
DN40 (LATERAL)	PE PN16	1729

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WORK AS CONSTRUCTED

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	EWEN B. RANDALL	NAME	
SIGNED	<i>[Signature]</i>	SIGNED	
REGISTERED SURVEYOR	DATE 29/01/24	CONSTRUCTION MANAGER	DATE

ORIGIN OF W.A.C. LEVELS

P.M.20029 Co-Ord System: MGA Ground
 E: 345612.942 MGA Datum: GDA94
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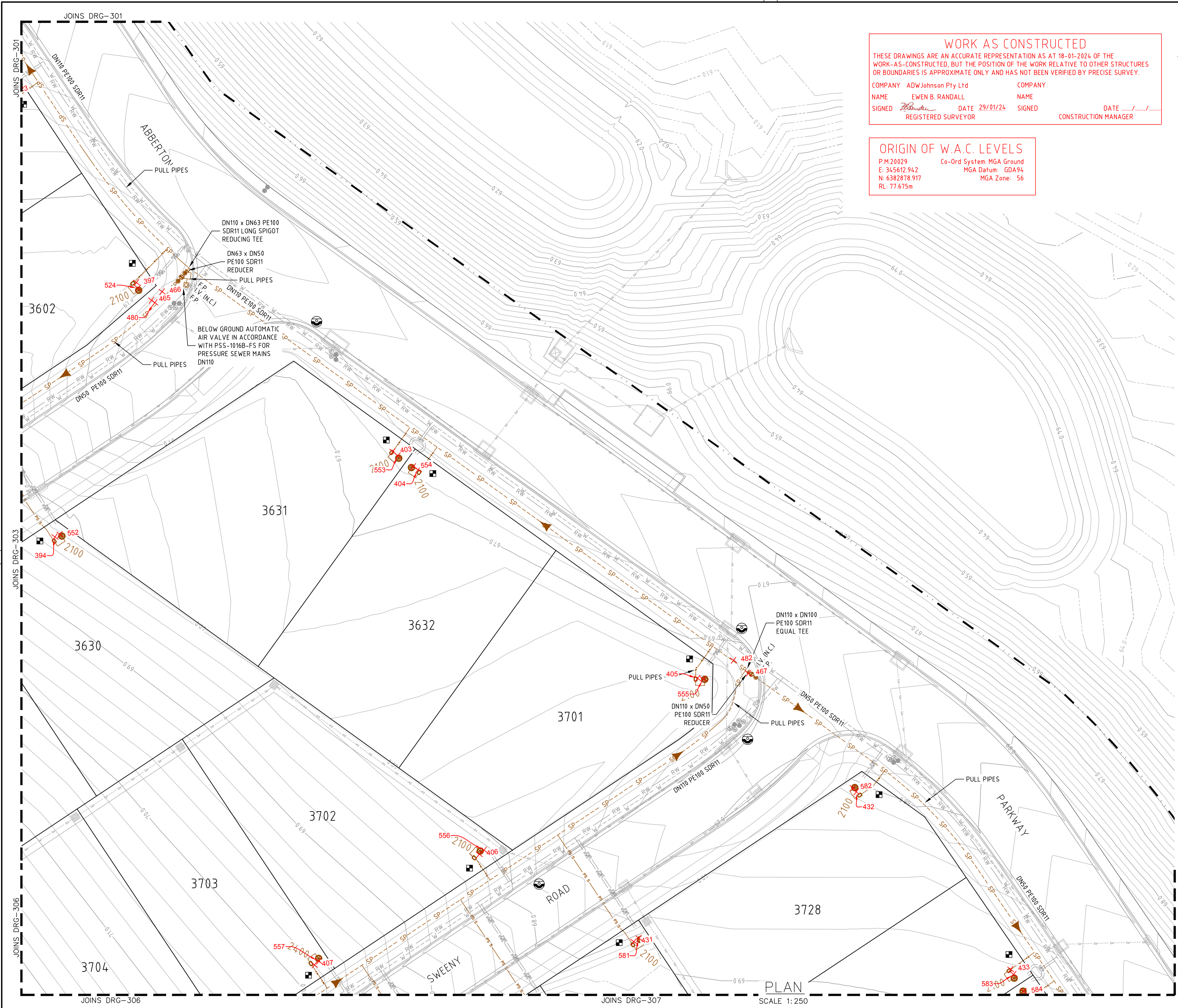
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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		PROJECT		PROJECT No. 240037(35-38)-	DISCIPLINE WAC	NUMBER 303	REV. 5
			G.S. C.B. G.S. C.B. G.S. N.C. G.S. C.B. G.S. C.B. G.S. C.B. G.S. C.B. G.S. C.B. G.S. C.S. G.S. C.B. G.S. C.H. G.S. C.B. G.S. T.B. G.S. B.R.		PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE		POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION												
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.													
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.													
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.													
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5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.													

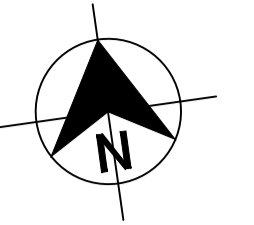
240037(35-38)-WAC-310

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 COMPANY ADW Johnson Pty Ltd
 NAME EWEN B. RANDALL
 SIGNED *E. Randall* DATE 29/01/24 REGISTERED SURVEYOR
 COMPANY
 NAME
 SIGNED _____ DATE _____ CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 P.M.20029 Co-Ord System: MGA Ground
 E: 345612.942 MGA Datum: GDA94
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 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - LIMIT OF SUBDIVISION WORKS
- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**
 TOTAL 120 CONNECTIONS
 (INC. BOD KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)
 • SINGLE SERVICES
 -79 x SHORT SIDE
 -40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
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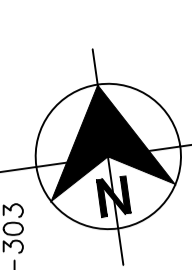
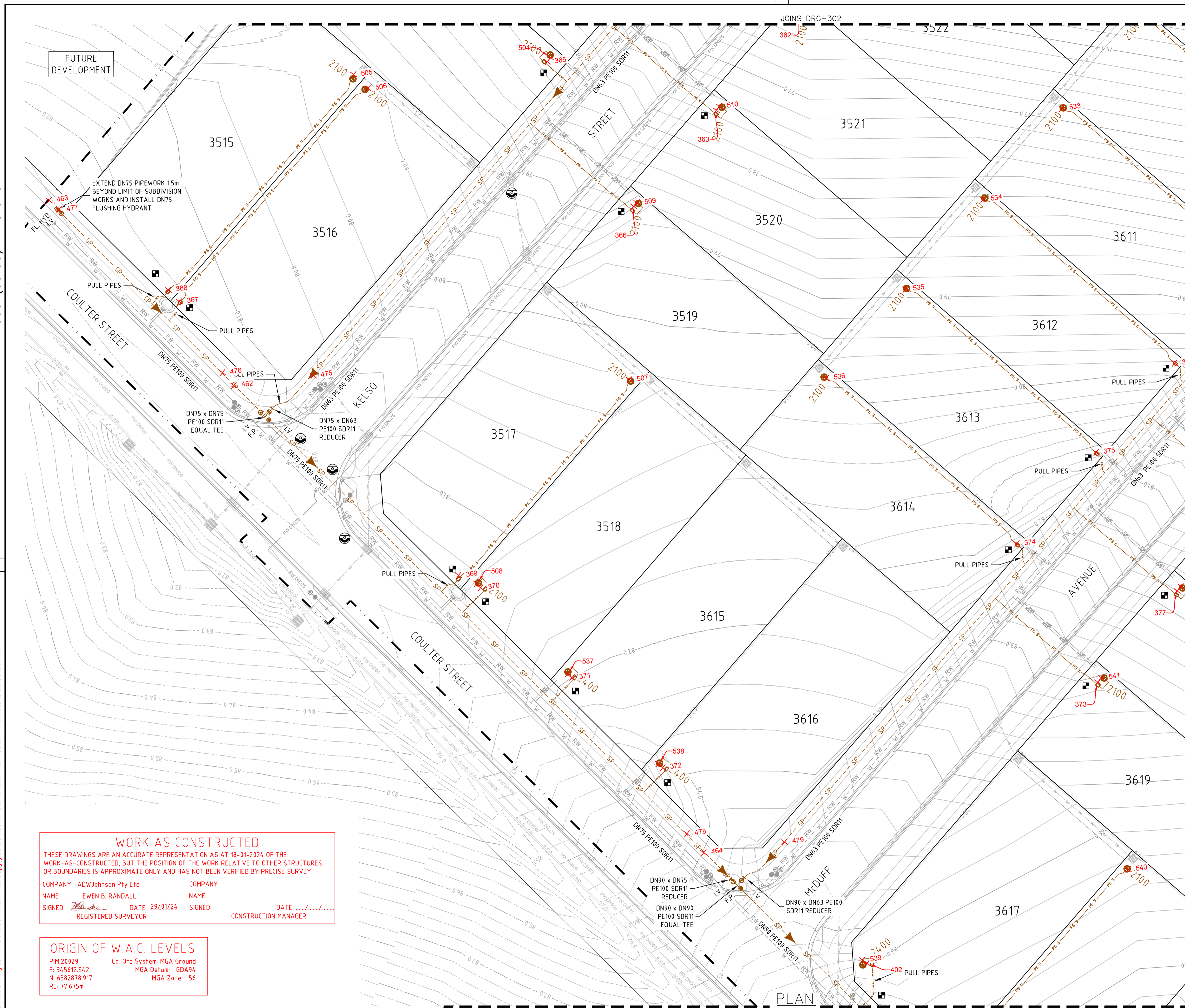
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 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PRESSURE SEWER DETAIL PLAN - SHEET 4	240037(35-38)-	WAC	304	5
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.									
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5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.									

240037(35-38)-WAC-310

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COMPANY ADWJohnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 29/01/24
REGISTERED SURVEYOR

COMPANY
NAME
SIGNED
DATE
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

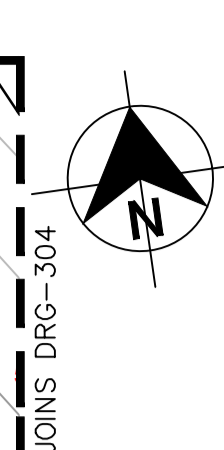
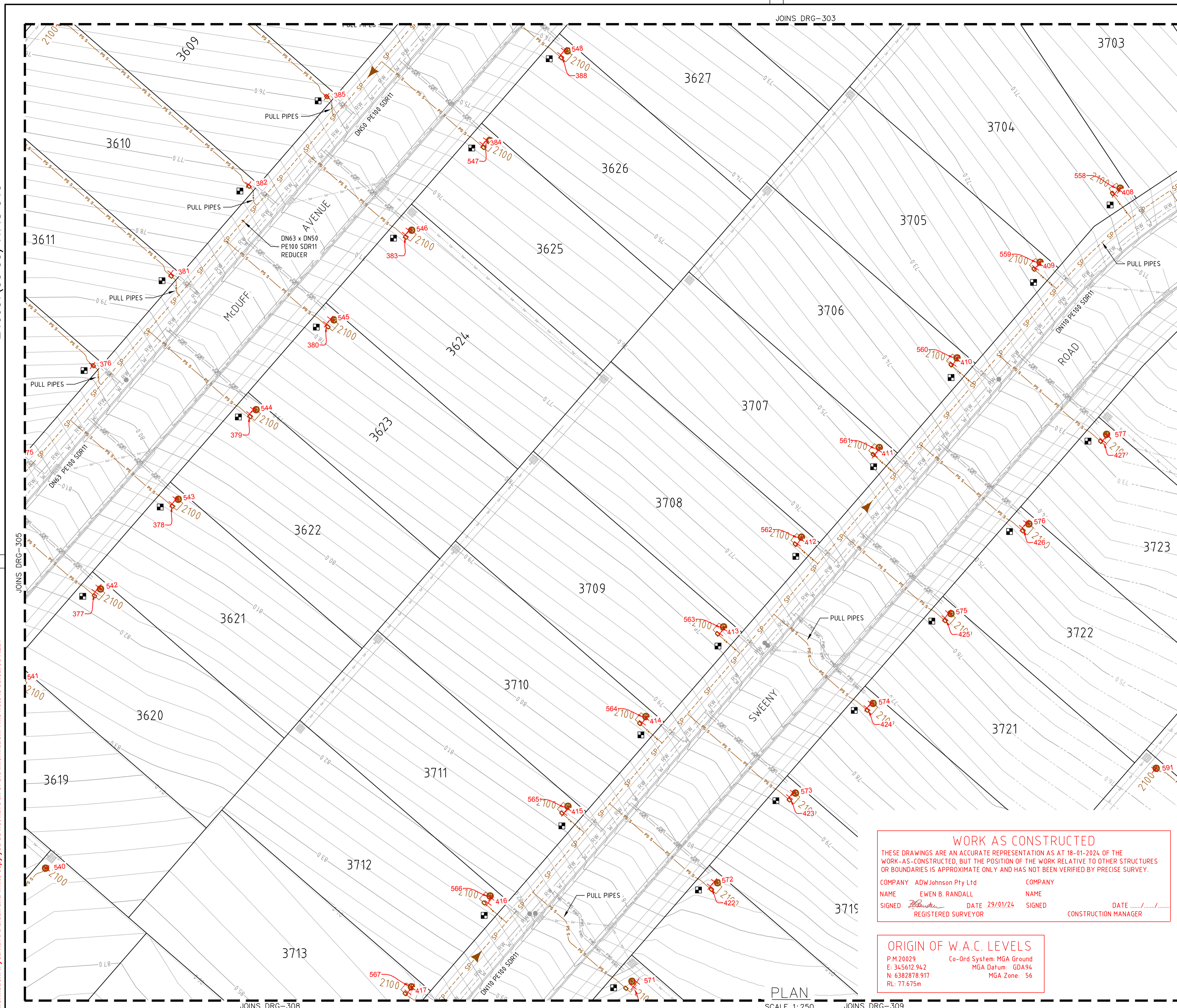
APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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 PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION							
PLAN TITLE PRESSURE SEWER DETAIL PLAN - SHEET 5																			
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	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 PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE	PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION						
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.						PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 5						
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						PROJECT No.	240037(35-38)-	DISCIPLINE	WAC	NUMBER	305	REV.	5
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.						SURVEYED	Daly Smith Pty Ltd	DATUM	GDA94 M.G.A. ZONE 56	A.H.D.			
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.													
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.													
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.													
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.													

240037(35-38)-WAC-310

100mm AT FULL SIZE
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- LEGEND**
- SP SP PE PRESSURE SEWER RETICULATION
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 - RW RW PVC-M RECYCLED WATER RETICULATION
 - RWS RWS PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150 PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W W PVC-M POTABLE WATER RETICULATION
 - PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PE DN500 POTABLE WATER TRANSFER MAIN
 - SW SW STORMWATER PIPEWORK
- 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
- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**
TOTAL 120 CONNECTIONS
(INC. BOY KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)
- SINGLE SERVICES
 - 79 x SHORT SIDE
 - 40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN110	PE PN16	542
DN90	PE PN16	118
DN75	PE PN16	122
DN63	PE PN16	362
DN50	PE PN16	834
DN40 (LATERAL)	PE PN16	1729

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-101 TO 110.
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 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-403.
 - 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.
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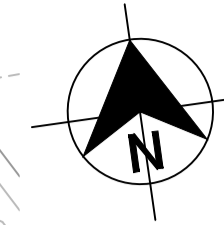
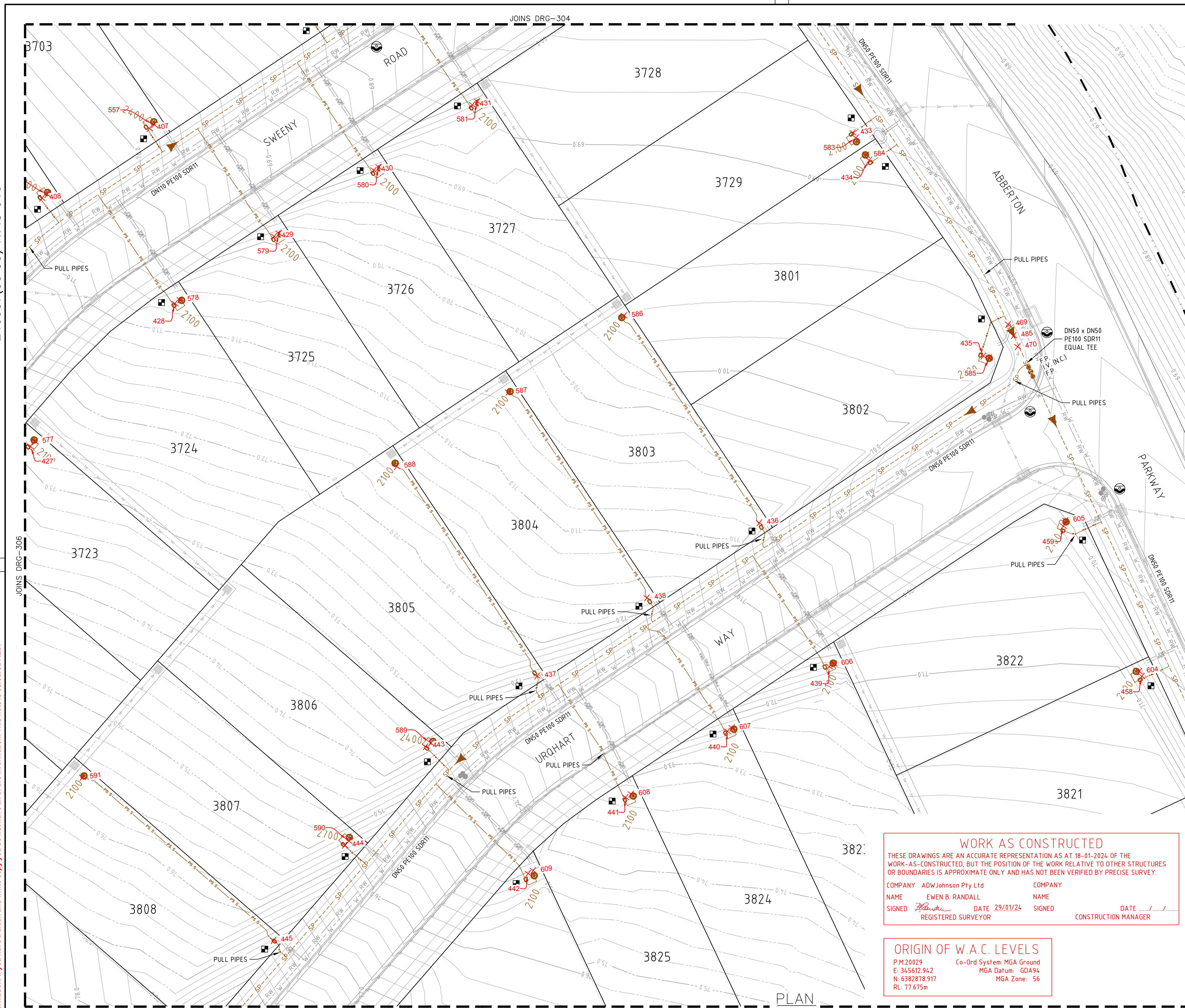
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A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	 A1 / A3 1:250 / 1:500	 Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	 CLIENT PROPOSED SUBDIVISION STAGES 35-38 HUNTLLEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		PLAN TITLE PRESSURE SEWER DETAIL PLAN - SHEET 6			
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.				SURVEYED Daly.Smith Pty Ltd	DATUM GDA94 M.G.A. ZONE 56 A.H.D.	PROJECT No. 240037(35-38)-	DISCIPLINE WAC	NUMBER 306	REV. 5
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.									
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.									
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	PLANNED Plotted By: anthonym Plot Date: 29/01/24 - 11:05 Cad File: N:\240072\DWG\Water & Sewer\Stage 35-38-WAC\240037(35-38)-WAC-310.dwg		ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE						

240037(35-38)-WAC-310

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COMPANY ADW Johnson Pty Ltd	COMPANY
NAME EWEN B. RANDALL	NAME
SIGNED <i>E. Randall</i> DATE 29/01/24	SIGNED _____ DATE _____
REGISTERED SURVEYOR	CONSTRUCTION MANAGER

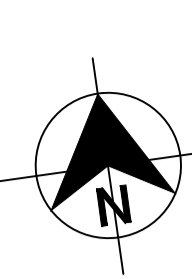
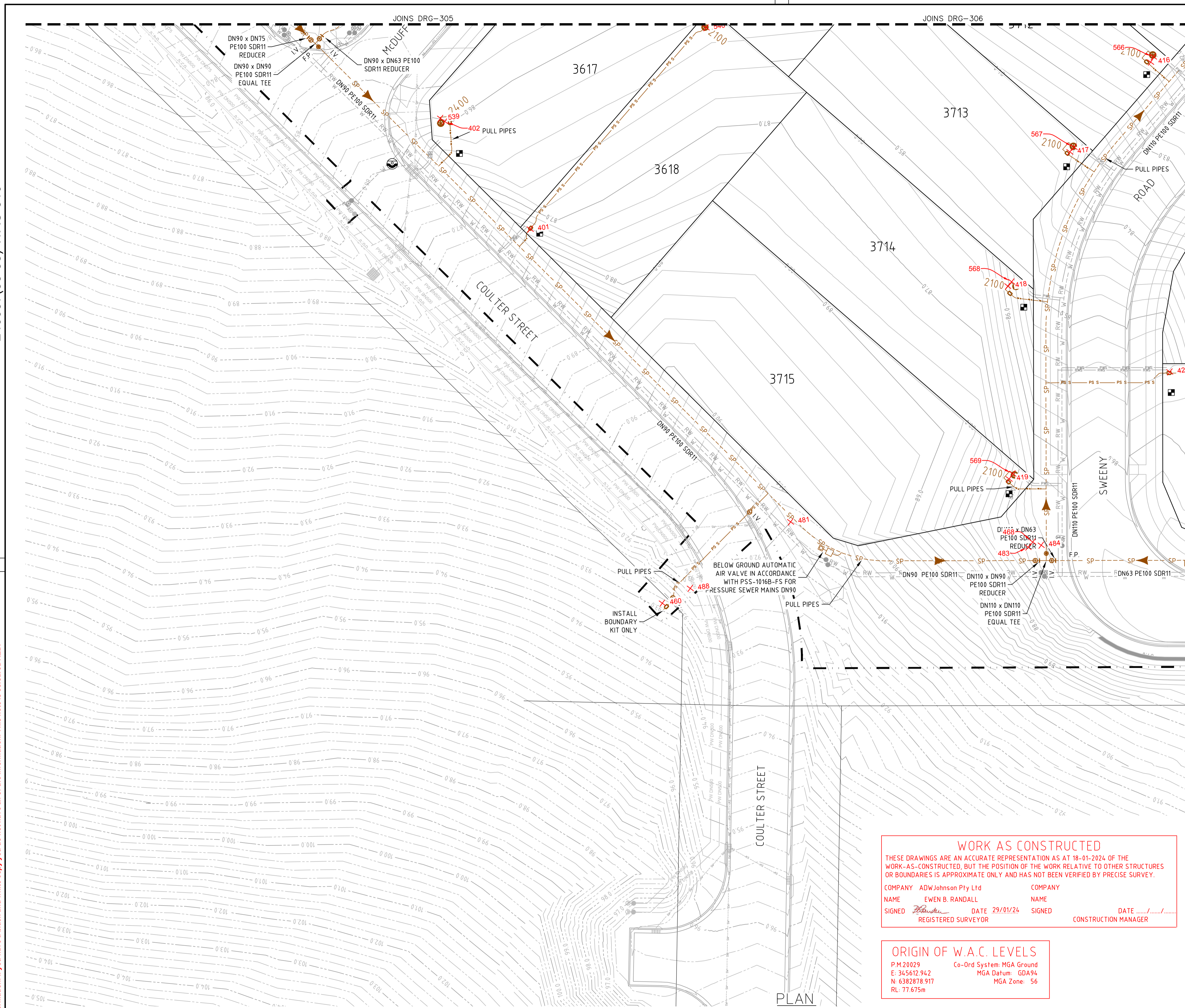
ORIGIN OF W.A.C. LEVELS

P.M.20029 Co-Ord System: MGA Ground
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APPROVED FOR CONSTRUCTION
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 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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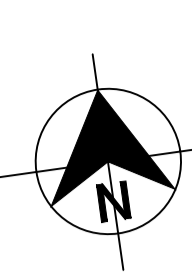
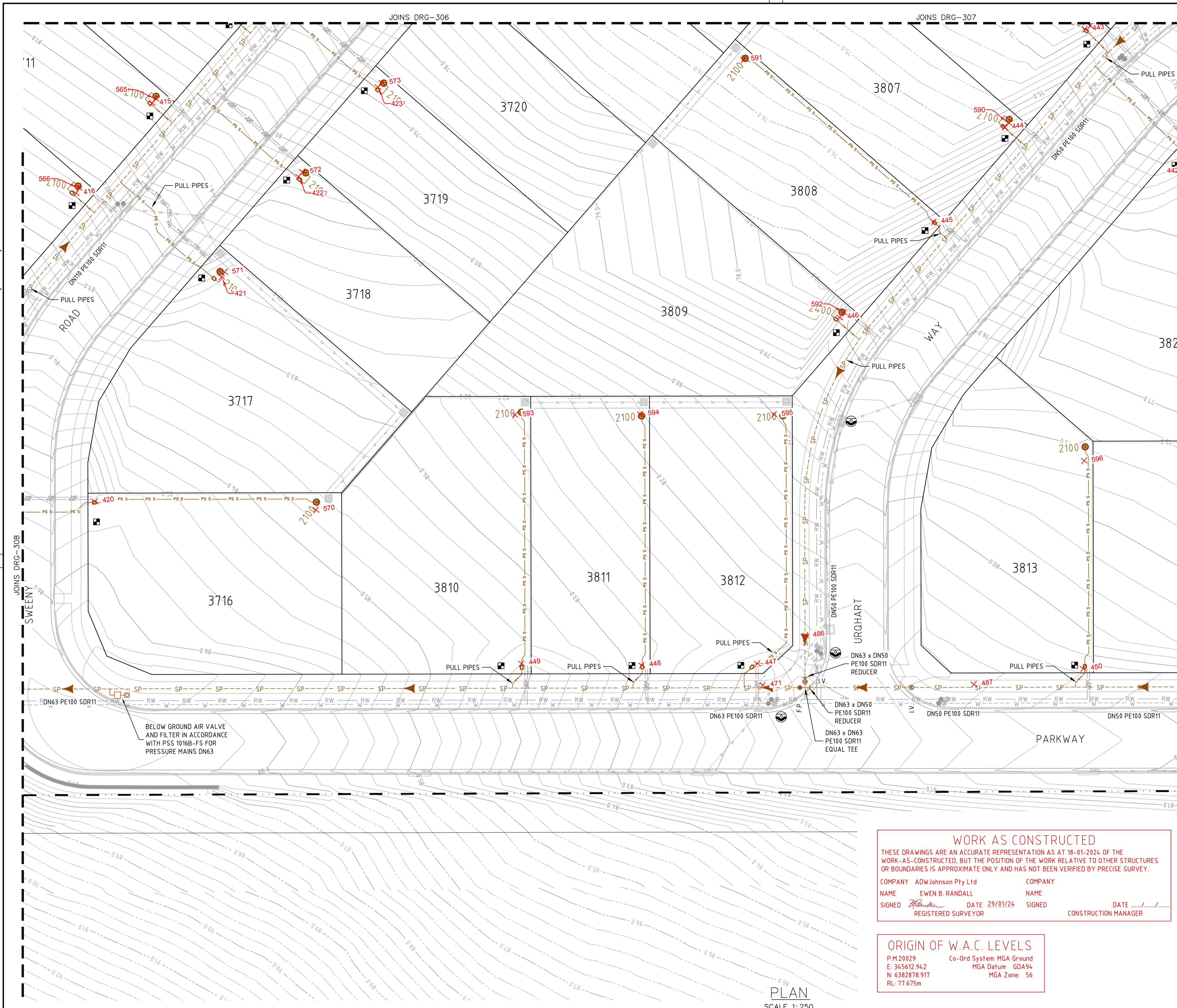
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 - PWS PWS PE POTABLE WATER PROPERTY SERVICE
 - PW DN250 PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300 PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375 PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500 PE DN500 POTABLE WATER TRANSFER MAIN
 - SW SW STORMWATER PIPEWORK
- 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
- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**
 TOTAL 120 CONNECTIONS
 (INC. BDY KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)
- SINGLE SERVICES
 - 79 x SHORT SIDE
 - 40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN110	PE PN16	542
DN90	PE PN16	118
DN75	PE PN16	122
DN63	PE PN16	362
DN50	PE PN16	834
DN40 (LATERAL)	PE PN16	1729

- 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-403.
 - 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 18-01-2024 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 29/01/24 REGISTERED SURVEYOR

COMPANY [Blank]
 NAME [Blank]
 SIGNED [Blank] DATE [Blank] 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

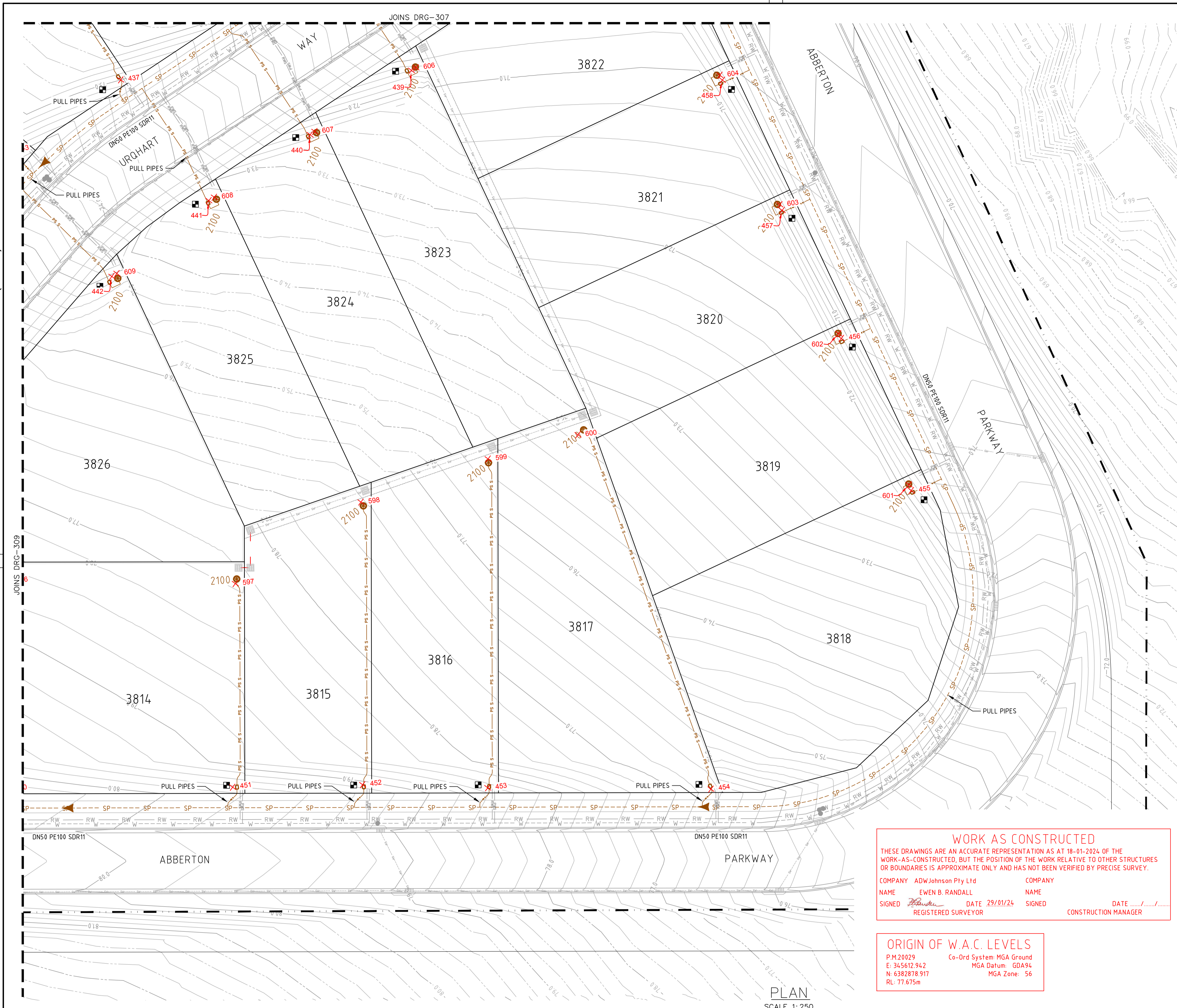
APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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 PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE	PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION				
PLAN TITLE PRESSURE SEWER DETAIL PLAN - SHEET 9																	
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.											
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.											
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.											
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.											
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.											
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.											
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.											
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.											

240037(35-38)-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.



- LEGEND**
- SP- PE PRESSURE SEWER RETICULATION
 - PS S- PE PRESSURE SEWER PROPERTY SERVICE
 - RW- PVC-M RECYCLED WATER RETICULATION
 - RWS- PE RECYCLED WATER PROPERTY SERVICE
 - RW DN150- PVC-M DN150 RECYCLED WATER TRANSFER MAIN
 - W- PVC-M POTABLE WATER RETICULATION
 - PWS- PE POTABLE WATER PROPERTY SERVICE
 - PW DN250- PVC-M DN250 POTABLE WATER TRANSFER MAIN
 - PW DN300- PVC-M DN300 POTABLE WATER TRANSFER MAIN
 - PW DN375- PVC-M DN375 POTABLE WATER TRANSFER MAIN
 - PW DN500- PE DN500 POTABLE WATER TRANSFER MAIN
 - SW- STORMWATER PIPEWORK
- 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

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**
- TOTAL 120 CONNECTIONS
(INC. BODY KIT ONLY ON RESERVOIR LOT WEST OF COULTER STREET)
- SINGLE SERVICES -79 x SHORT SIDE
 - 40 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN110	PE PN16	542
DN90	PE PN16	118
DN75	PE PN16	122
DN63	PE PN16	362
DN50	PE PN16	834
DN40 (LATERAL)	PE PN16	1729

- 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-403.
 - 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 18-01-2024 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 *E. Randall* DATE 29/01/24 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: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-huntlee-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

altogether.

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGES 35-38
 HUNTLEE

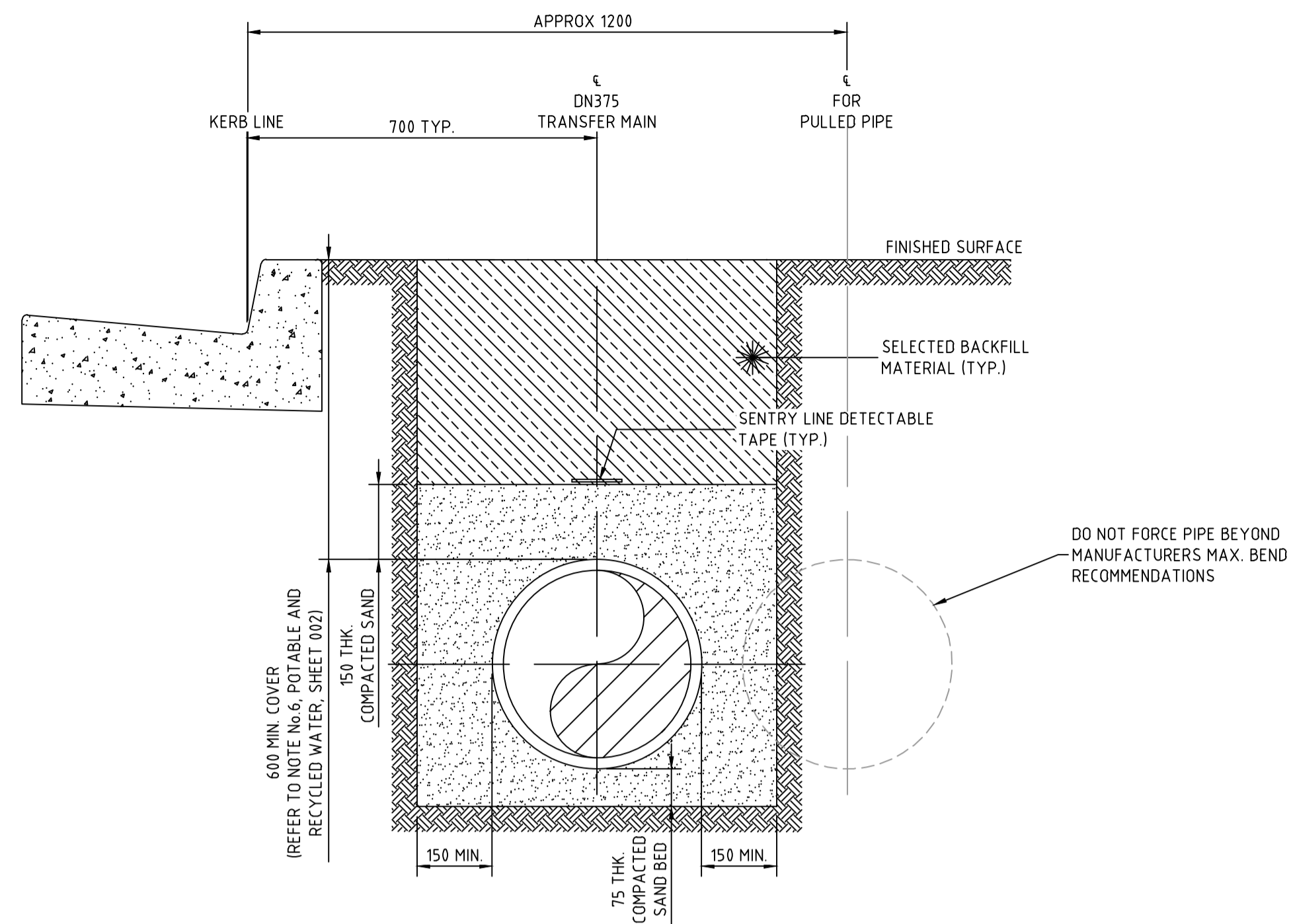
SURVEYED
 Daly.Smith Pty Ltd

DATUM
 GDA94 M.G.A. ZONE 56

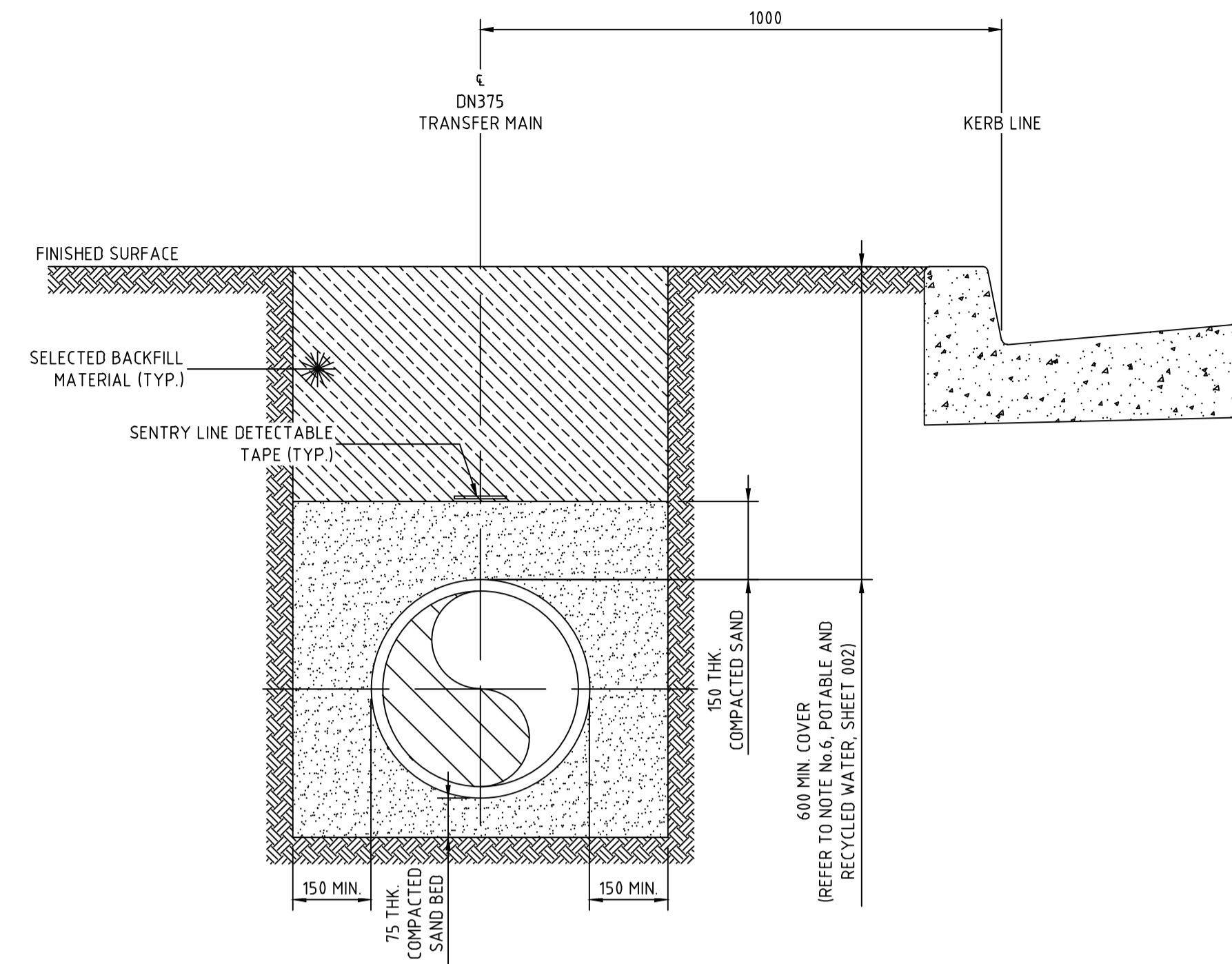
A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 10		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(35-38)-	WAC	310	5

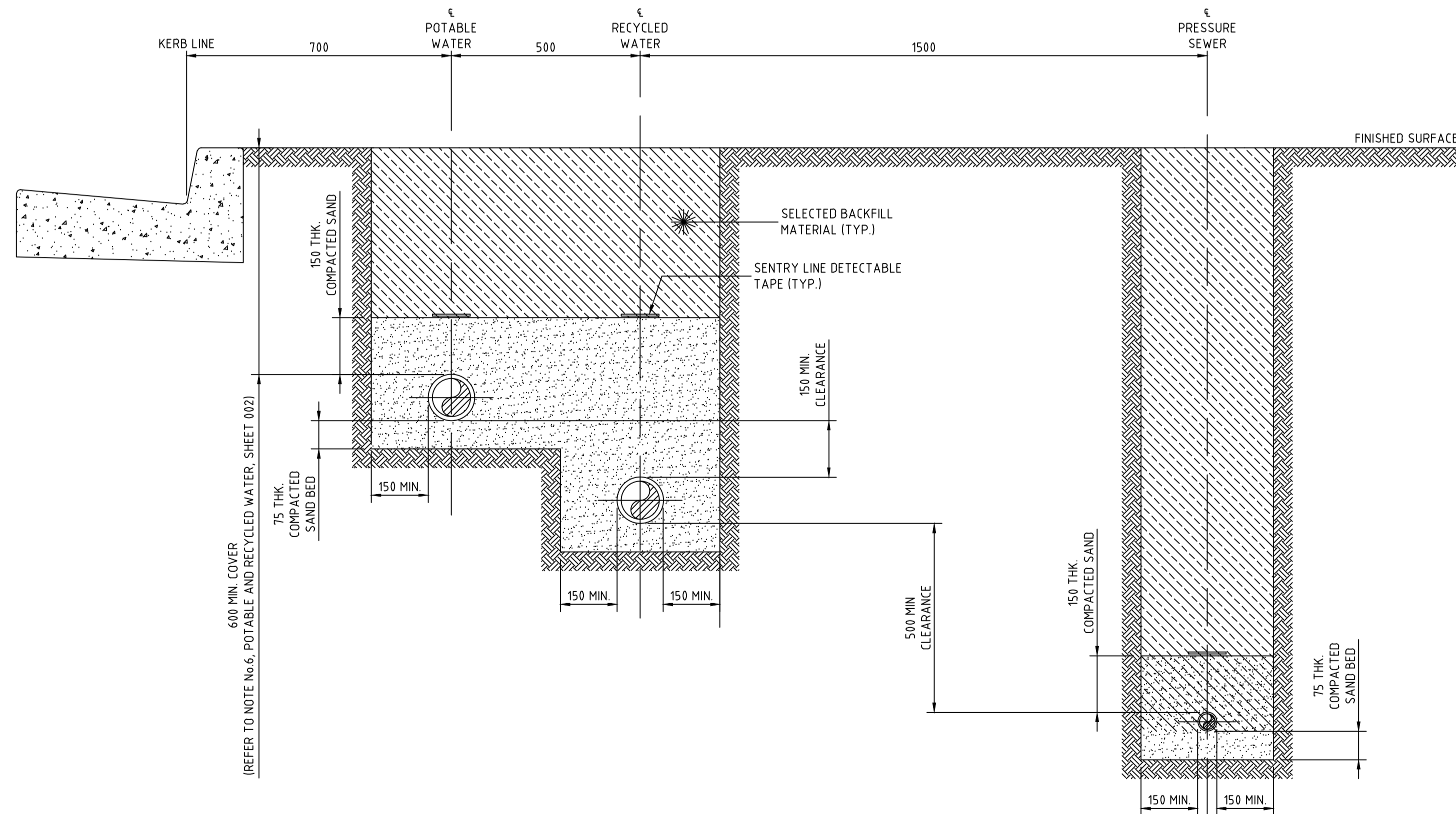
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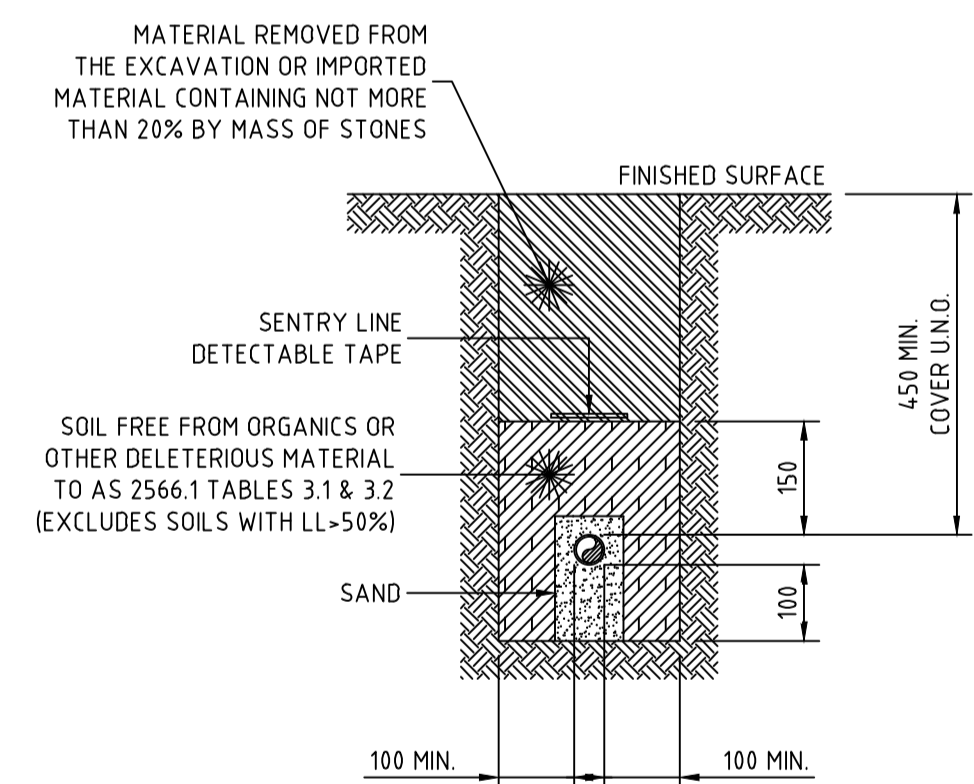
DN375 TRANSFER MAIN
KELSO STREET TYPICAL DETAIL
SCALE 1:10



DN375 TRANSFER MAIN
COULTER STREET TYPICAL DETAIL
SCALE 1:10



STREET PRESSURE MAIN
TYPICAL DETAIL
SCALE 1:10



PRIVATE PROPERTY PRESSURE MAIN
TYPICAL DETAIL
SCALE 1:10

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED [Signature] DATE 29/01/24 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: 15-02-2023

NOTES:
1. ALL POLYETHYLENE FITTINGS SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ROTATE BENDS AS NECESSARY.

WORK AS CONSTRUCTED

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

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

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

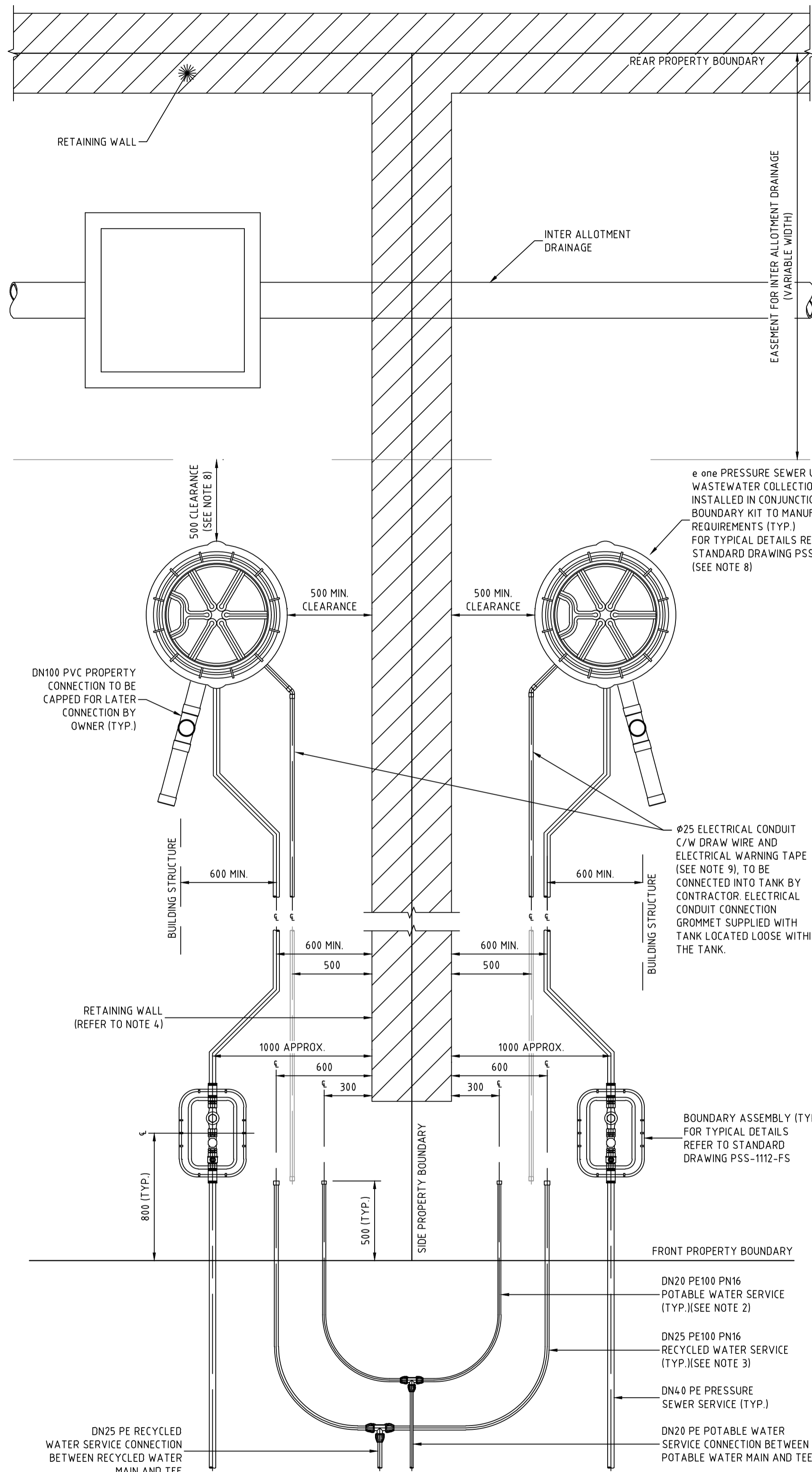
altogether.

CLIENT
PROPERTY DESCRIPTION
PROPOSED SUBDIVISION
STAGES 35-38
HUNTLEE

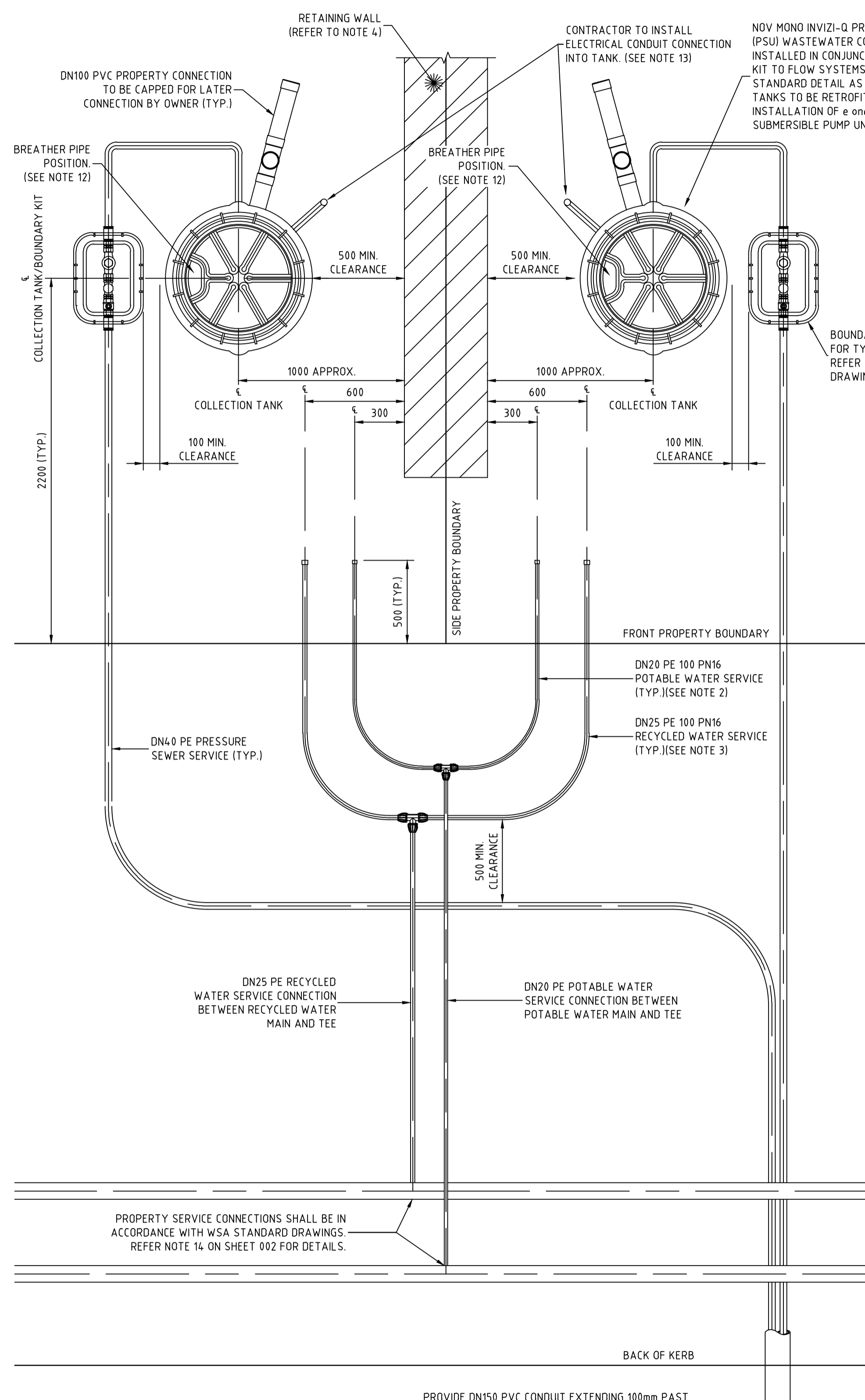
PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL PIPEWORK TRENCHING DETAILS	240037(35-38)-	WAC	401	5

240037(35-38)-WAC-402

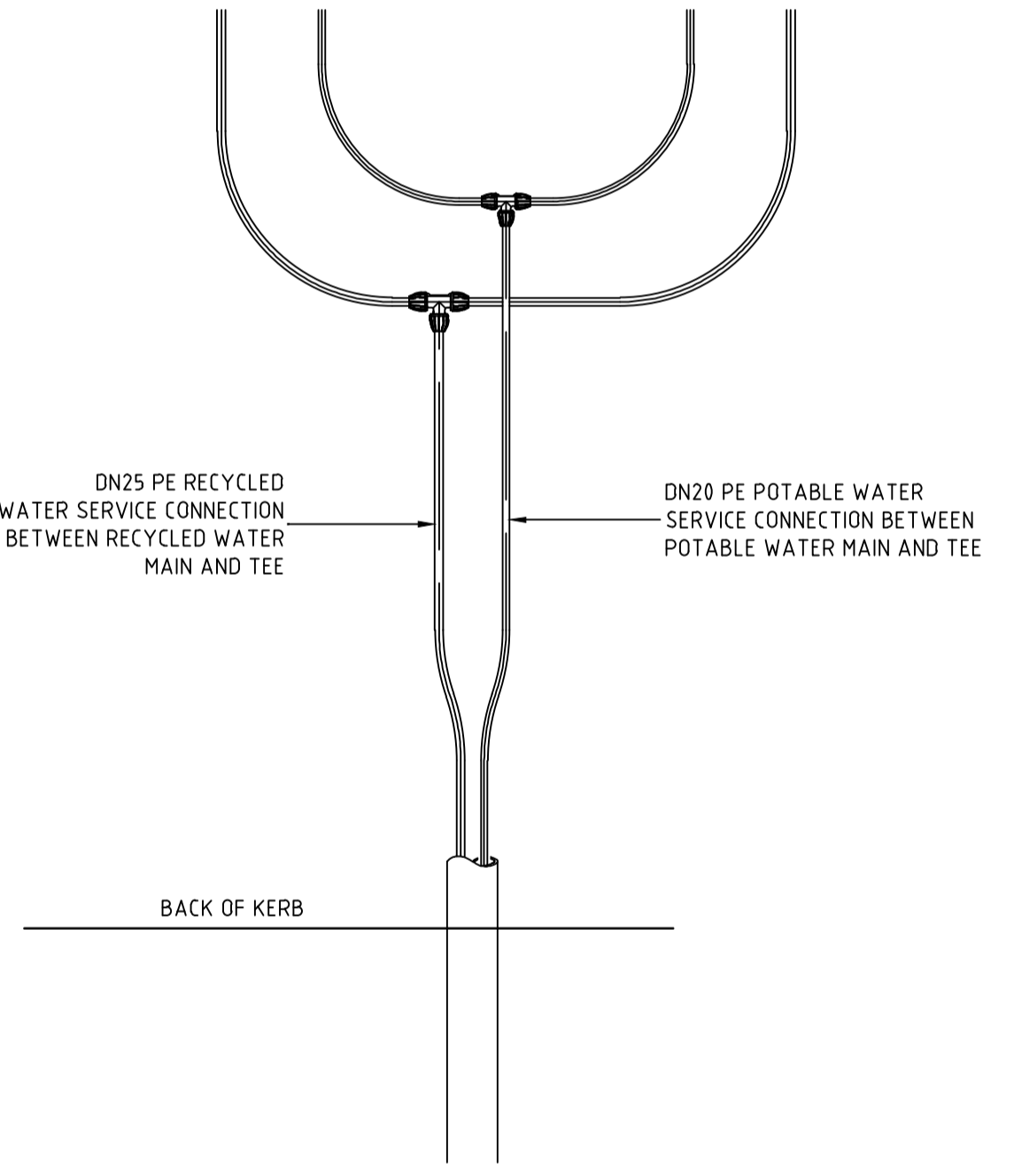
100mm AT FULL SIZE
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**TYPICAL PROPERTY CONNECTION DETAIL
(PRESSURE SEWER UNIT AT REAR)**
SCALE 1:20



TYPICAL PROPERTY CONNECTION DETAIL
SCALE 1:20



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

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

WORK AS CONSTRUCTED
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COMPANY: ADW Johnson Pty Ltd
NAME: EWEN B. RANDALL
SIGNED: [Signature] DATE: 29/01/24
REGISTERED SURVEYOR
COMPANY: [Blank]
NAME: [Blank]
SIGNED: [Blank] DATE: [Blank]
CONSTRUCTION MANAGER



- 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 JOINING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ROTATE BENDS AS NECESSARY.
 - PRESSURE SEWER UNIT (PSU) IS TO HAVE 2150mm CLEARANCE FROM BUILDING STRUCTURES.
 - Ø25 ELECTRICAL CONDUIT IS TO EXTEND FROM CONNECTION WITH PRESSURE SEWER UNIT (PSU) TO NOM. 500mm INSIDE 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 IN ACCORDANCE WITH AS3000 AT MIN 500mm COVER. ELECTRICAL GROMMET SUPPLIED WITH TANK AND LOCATED LOOSE WITHIN TANK. Ø25 CONDUIT TO BE PROVIDED WITH LONG RADIUS SWEEP BEND INTO THE VERTICAL POSITION AND LEFT CAPPED ABOVE GROUND LEVEL FOR FUTURE ELECTRICAL CONNECTION BY ELECTRICIAN ONCE DWELLING IS CONSTRUCTED.

**APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd**
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office	PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	TYPICAL SERVICE CONNECTION DETAILS	240037(35-38)-	WAC	402	5
D	22.11.2022	CLIENT COMMENTS FOR CONSTRUCTION	G.S.	N.C.	G.S.	C.B.		Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282							
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.		Phone: (02) 4978 5100							
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.		Fax: (02) 4978 5199							
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.		email: hunter@adwjohnson.com.au							
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.		www.adwjohnson.com.au							
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.		ABN 62 129 445 398							
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.									



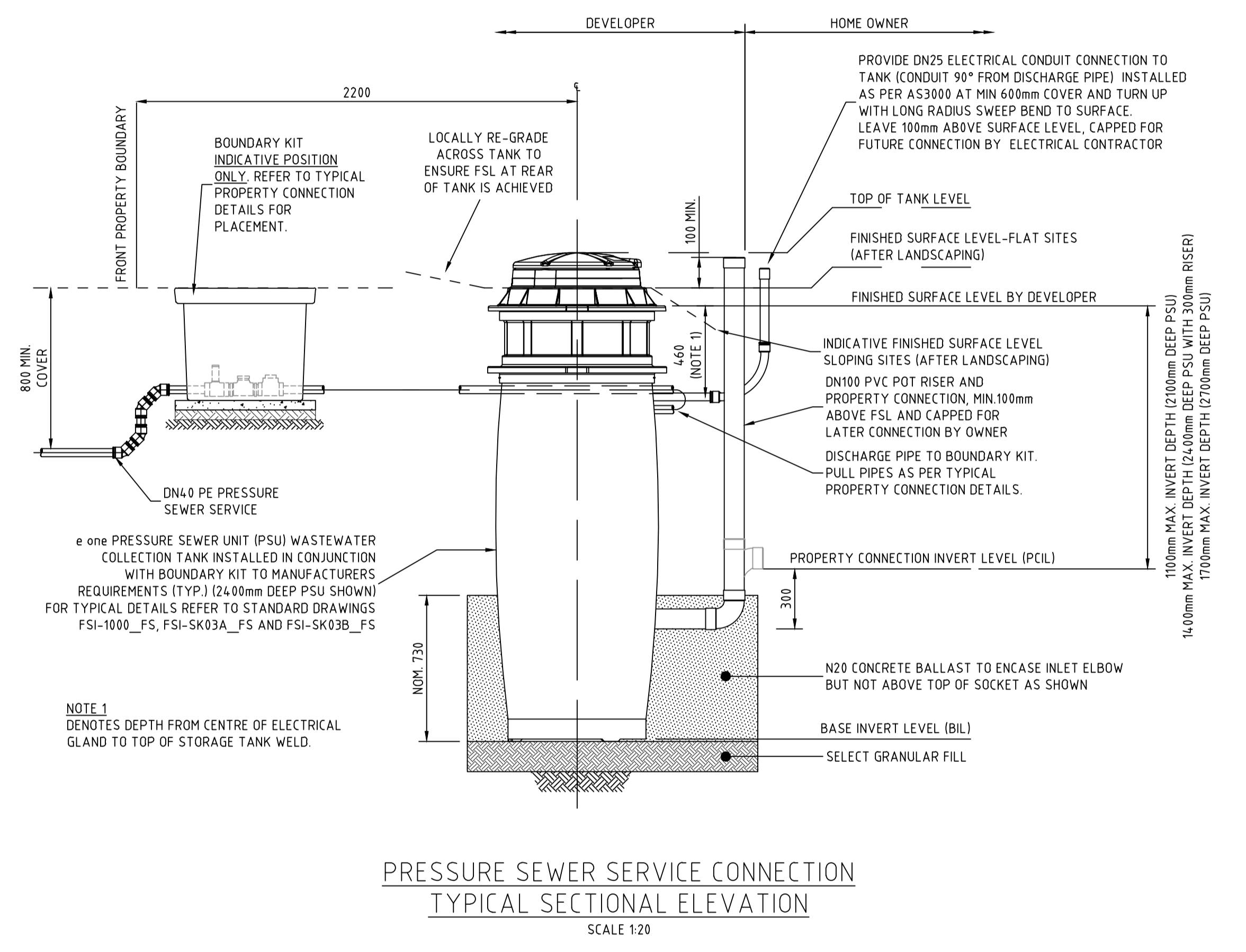
240037(35-38)-WAC-404

100mm AT FULL SIZE

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WASTEWATER COLLECTION TANK DETAILS

LOT NUMBER	TOP OF TANK	TANK 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
3501	65.29	65.16	63.16	64.06	2100	FRONT BATTER	345873.21	6382658.15	65.19	63.88	-0.18
3502	65.52	65.39	63.39	64.29	2100	FRONT BATTER	345856.54	6382650.17	65.50	64.19	-0.10
3503	66.23	66.10	64.10	65.00	2100	FRONT	345839.94	6382642.23	66.25	64.94	-0.06
3504	67.30	67.17	65.17	66.07	2100	FRONT	345823.70	6382634.47	67.28	65.97	-0.10
3505	68.30	68.17	66.17	67.07	2100	FRONT	345807.58	6382626.47	68.24	66.92	-0.15
3506	69.16	69.03	67.03	67.93	2100	FRONT	345795.72	6382616.15	69.11	67.80	-0.13
3507	70.05	69.92	67.92	68.82	2100	FRONT	345784.77	6382606.65	70.03	68.71	-0.11
3508	70.99	70.86	68.86	69.76	2100	FRONT	345772.69	6382596.15	70.97	69.65	-0.11
3509	71.97	71.84	69.84	70.74	2100	FRONT	345760.61	6382585.67	71.91	70.59	-0.15
3510	73.03	72.90	70.90	71.80	2100	FRONT	345749.29	6382575.83	72.97	71.66	-0.14
3511	74.32	74.19	72.19	73.09	2100	FRONT	345737.20	6382565.35	74.33	73.01	-0.08
3512	75.70	75.57	73.57	74.47	2100	FRONT	345725.13	6382554.84	75.70	74.38	-0.09
3513	76.99	76.86	74.86	75.76	2100	FRONT	345713.80	6382545.02	76.98	75.67	-0.09
3514	78.32	78.19	76.19	77.09	2100	FRONT	345701.72	6382534.53	78.24	76.93	-0.16
3515	80.59	80.46	78.46	79.36	2100	REAR	345676.79	6382535.02	80.54	79.22	-0.14
3516	80.59	80.46	78.46	79.36	2100	REAR	345678.10	6382533.51	80.54	79.22	-0.14
3517	80.68	80.55	78.55	79.45	2100	REAR	345705.96	6382492.55	80.71	79.39	-0.06
3518	81.55	81.42	79.42	80.32	2100	FRONT	345683.51	6382470.14	81.51	80.19	-0.13
3519	79.36	79.23	77.23	78.13	2100	FRONT BATTER	345710.07	6382514.51	79.34	78.02	-0.11
3520	74.61	74.48	72.48	73.38	2100	FRONT	345722.16	6382524.99	77.77	76.45	0.07
3521	76.24	76.11	74.11	75.01	2100	FRONT	345734.24	6382535.48	76.19	74.88	-0.13
3522	74.93	74.80	72.80	73.70	2100	FRONT	345746.33	6382545.84	74.87	73.56	-0.14
3523	73.60	73.47	71.47	72.37	2100	FRONT	345758.39	6382556.47	73.52	72.21	-0.16
3524	72.66	72.53	70.53	71.43	2100	FRONT	345769.34	6382565.97	72.60	71.28	-0.15
3525	71.58	71.45	69.45	70.35	2100	FRONT	345782.55	6382577.45	71.53	70.21	-0.14
3526	70.59	70.46	68.46	69.36	2100	FRONT	345794.63	6382587.94	70.59	69.27	-0.09
3527	69.62	69.49	67.49	68.39	2100	FRONT	345806.71	6382598.43	69.50	68.18	-0.21
3528	68.19	68.06	66.06	66.96	2100	FRONT	345823.81	6382611.70	68.17	66.85	-0.11
3529	67.32	67.19	65.19	66.09	2100	FRONT BATTER	345838.25	6382618.60	67.29	65.98	-0.11
3530	66.29	66.16	64.16	65.06	2100	FRONT BATTER	345852.51	6382625.42	66.24	64.93	-0.13
3531	65.63	65.50	63.50	64.40	2100	FRONT BATTER	345882.56	6382639.06	65.58	64.27	-0.13
3532	66.06	65.93	63.93	64.83	2100	FRONT	345889.74	6382624.05	65.91	64.60	-0.23
3601	66.99	66.86	64.86	65.76	2100	FRONT BATTER	345896.29	6382610.34	66.84	65.52	-0.24
3602	67.44	67.31	65.31	66.21	2100	FRONT BATTER	345909.30	6382583.13	67.39	66.08	-0.13
3603	67.39	67.26	65.26	66.16	2100	REAR	345866.47	6382596.23	67.38	66.07	-0.09
3604	68.43	68.30	66.30	67.20	2100	REAR	345853.11	6382589.84	68.41	67.10	-0.11
3605	70.95	70.82	68.82	69.72	2100	FRONT	345852.29	6382555.11	70.943	69.03	-0.09
3606	72.05	71.92	69.92	70.82	2400	FRONT	345840.97	6382545.27	72.116	70.50	-0.02
3607	73.26	73.13	71.13	72.03	2700	FRONT	345829.64	6382535.43	73.343	71.43	0.00
3608	74.52	74.39	72.39	73.29	2700	FRONT	345818.32	6382525.60	74.601	72.69	0.00
3609	74.65	74.52	72.52	73.42	2100	REAR	345787.18	6382538.58	74.61	73.30	-0.13
3610	75.71	75.58	73.58	74.48	2100	REAR	345775.85	6382528.74	75.685	74.37	-0.11
3611	76.97	76.84	74.84	75.74	2100	REAR	345764.53	6382518.91	76.932	75.62	-0.12
3612	78.15	78.02	76.02	76.92	2100	REAR	345753.20	6382509.07	78.193	76.88	-0.04
3613	79.04	78.91	76.91	77.81	2100	REAR	345741.88	6382499.23	79.068	77.75	-0.06
3614	81.03	80.90	78.90	79.80	2100	REAR	345730.08	6382489.65	80.991	79.68	-0.12
3615	82.10	81.97	79.97	80.87	2400	FRONT	345693.07	6382457.50	82.1	80.49	-0.08
3616	83.62	83.49	81.49	82.39	2400	FRONT BATTER	345702.86	6382444.56	83.652	82.04	-0.05
3617	86.16	86.03	84.03	84.93	2400	FRONT	345724.55	6382415.89	86.18	84.57	-0.06
3618	83.15	83.02	81.02	81.92	2100	REAR	345759.08	6382423.18	86.134	84.82	-0.35
3619	83.18	83.05	81.05	81.95	2100	FRONT	345759.57	6382447.31	83.19	81.88	-0.08
3620	81.87	81.74	79.74	80.64	2100	FRONT	345770.90	6382457.13	81.877	80.56	-0.08
3621	80.58	80.45	78.45	79.35	2100	FRONT	345782.23	6382466.97	80.542	79.23	-0.12
3622	79.21	79.08	77.08	77.98	2100	FRONT	345793.55	6382476.80	79.157	77.84	-0.14
3623	77.87	77.74	75.74	76.64	2100	FRONT	345804.88	6382486.64	77.829	76.51	-0.13
3624	76.59	76.46	74.46	75.36	2100	FRONT	345816.20	6382496.48	76.569	75.25	-0.11
3625	75.36	75.23	73.23	74.13	2100	FRONT	345827.53	6382506.31	75.327	74.01	-0.12
3626	74.13	74.00	72.00	72.90	2100	FRONT	345838.85	6382516.15	74.112	72.80	-0.10
3627	72.90	72.77	70.77	71.67	2100	FRONT	345850.18	6382525.98	72.863	71.55	-0.12
3628	71.65	71.52	69.52	70.42	2100	FRONT	345861.50	6382535.82	71.617	70.30	-0.12
3629	68.71	68.58	66.58	67.48	2100	FRONT	345881.08	6382546.86	69.675	68.36	-0.12
3630	68.35	68.22	66.22	67.12	2100	FRONT	345895.28	6382553.65	68.386	67.07	-0.05
3631	67.05	66.92	64.92	65.82	2100	FRONT BATTER	345938.95	6382557.43	67.012	65.70	-0.12
3632	67.05	66.92	64.92	65.82	2100	FRONT BATTER	345940.39	6382556.04	66.996	65.68	-0.14



WASTEWATER COLLECTION TANK COUNT

TANK SIZE	NUMBER OF
2100	57
2400	4
2700	3

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

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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: 29/01/24 REGISTERED SURVEYOR
 COMPANY: [Blank]
 NAME: [Blank]
 SIGNED: [Blank] DATE: [Blank] CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

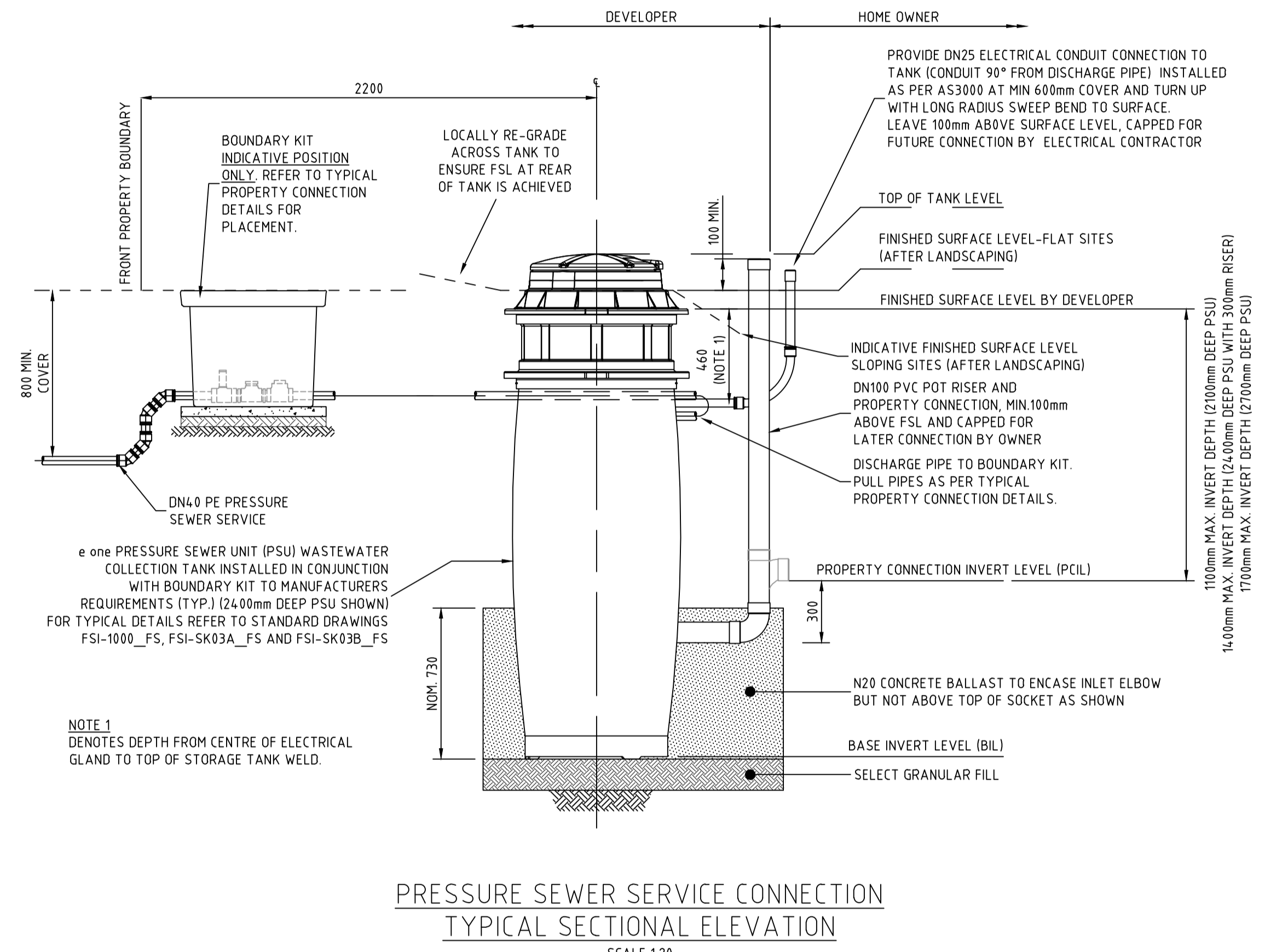
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	WASTE WATER COLLECTION TANK DETAILS	240037(35-38)-	WAC	403	5
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.									
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.									
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.									
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.									



240037(35-38)-WAC-404

WASTEWATER COLLECTION TANK DETAILS

LOT NUMBER	TOP OF TANK	TANK 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
3701	67.55	67.42	65.42	66.32	2100	FRONT	345973.45	6382524.25	67.55	66.24	-0.09
3702	68.26	68.13	66.13	67.03	2100	FRONT	345942.21	6382506.70	68.279	66.96	-0.07
3703	69.86	69.73	67.43	68.33	2400	FRONT	345920.01	6382496.08	69.9	68.29	-0.04
3704	70.91	70.78	68.78	69.68	2100	FRONT	345905.57	6382489.18	70.902	69.59	-0.09
3705	71.92	71.79	69.79	70.69	2100	FRONT	345894.25	6382481.34	71.9	70.59	-0.11
3706	73.42	73.29	71.29	72.19	2100	FRONT	345882.17	6382470.85	73.395	72.08	-0.11
3707	74.90	74.77	72.77	73.67	2100	FRONT	345870.84	6382461.02	74.876	73.56	-0.11
3708	76.38	76.25	74.25	75.15	2100	FRONT	345859.52	6382451.18	76.322	75.01	-0.14
3709	77.88	77.75	75.75	76.65	2100	FRONT	345848.19	6382441.34	77.884	76.57	-0.08
3710	79.36	79.23	77.23	78.13	2100	FRONT	345836.87	6382431.51	79.338	78.02	-0.11
3711	80.85	80.72	78.72	79.62	2100	FRONT	345825.54	6382421.67	80.814	79.50	-0.12
3712	82.34	82.21	80.21	81.11	2100	FRONT	345814.22	6382411.84	82.361	81.05	-0.06
3713	84.36	84.23	82.23	83.13	2100	FRONT	345802.75	6382401.88	84.349	83.03	-0.10
3714	85.68	85.55	83.55	84.45	2100	FRONT BATTER	345793.16	6382385.47	85.665	84.35	-0.10
3715	87.46	87.33	85.33	86.23	2100	FRONT BATTER	345789.64	6382362.06	87.438	86.12	-0.11
3716	84.77	84.64	82.64	83.54	2100	REAR	345838.40	6382368.13	84.729	83.41	-0.13
3717	82.45	82.32	80.32	81.22	2100	FRONT BATTER	345830.44	6382398.64	82.382	81.07	-0.15
3718	80.73	80.60	78.60	79.50	2100	FRONT	345824.09	6382409.46	80.66	79.35	-0.16
3719	78.90	78.77	76.77	77.67	2100	FRONT	345854.23	6382419.30	78.789	77.47	-0.20
3720	77.34	77.21	75.21	76.11	2100	FRONT	345865.55	6382429.13	77.226	75.91	-0.20
3721	75.84	75.71	73.71	74.61	2100	FRONT	345876.88	6382438.97	75.786	74.47	-0.14
3722	74.34	74.21	72.21	73.11	2100	FRONT	345888.20	6382448.81	74.292	72.98	-0.13
3723	73.04	72.91	70.91	71.81	2100	FRONT	345899.53	6382458.64	73.004	71.69	-0.12
3724	71.08	70.95	68.95	69.85	2100	FRONT BATTER	345920.32	6382473.40	71.048	69.73	-0.12
3725	70.13	70.00	68.00	68.90	2100	FRONT BATTER	345933.85	6382479.87	70.103	68.79	-0.11
3726	69.16	69.03	67.03	67.93	2100	FRONT BATTER	345947.38	6382486.34	69.139	67.82	-0.11
3727	68.33	68.20	66.20	67.10	2100	FRONT BATTER	345960.75	6382492.73	68.302	66.99	-0.11
3728	68.28	68.15	66.15	67.05	2100	FRONT BATTER	345990.34	6382508.00	68.256	66.94	-0.11
3729	69.26	69.13	67.13	68.03	2100	FRONT BATTER	346006.97	6382481.25	69.215	67.90	-0.13
3801	69.32	69.19	67.19	68.09	2100	FRONT BATTER	346007.86	6382479.45	69.183	67.87	-0.22
3802	69.97	69.84	67.84	68.74	2100	FRONT BATTER	346019.66	6382452.01	69.928	68.61	-0.13
3803	69.72	69.59	67.59	68.49	2100	REAR	345974.71	6382463.54	69.933	68.62	0.13
3804	70.90	70.77	68.77	69.67	2100	REAR	345959.54	6382456.28	70.877	69.56	-0.11
3805	71.92	71.79	69.79	70.69	2100	REAR	345943.99	6382449.40	71.921	70.61	-0.08
3806	73.94	73.81	71.81	72.71	2400	FRONT BATTER	345943.79	6382444.17	74.034	72.42	0.01
3807	75.48	75.35	73.35	74.25	2700	FRONT BATTER	345931.71	6382403.68	75.529	73.61	-0.04
3808	76.03	75.90	73.90	74.80	2100	REAR	345899.81	6382416.00	76.064	74.75	-0.05
3809	79.03	78.90	76.90	77.80	2400	FRONT	345907.40	6382382.57	78.967	77.35	-0.15
3810	83.41	83.28	81.28	82.18	2100	REAR	345865.59	6382375.74	83.435	82.12	-0.06
3811	81.95	81.82	79.82	80.72	2100	REAR	345880.56	6382373.14	81.943	80.63	-0.09
3812	81.05	80.92	78.92	79.82	2100	REAR	345898.20	6382370.68	81.12	79.81	-0.02
3813	79.13	79.00	77.00	77.90	2100	REAR	345935.42	6382361.46	79.116	77.80	-0.10
3814	78.25	78.12	76.12	77.02	2100	REAR	345963.53	6382356.03	78.275	76.96	-0.06
3815	77.56	77.43	75.43	76.33	2100	REAR	345980.65	6382362.93	77.597	76.28	-0.05
3816	76.60	76.47	74.47	75.37	2100	REAR	345997.06	6382366.12	76.486	75.17	-0.20
3817	75.21	75.08	73.08	73.98	2100	REAR	346009.51	6382368.53	75.203	73.89	-0.09
3818	71.92	71.79	69.79	70.69	2100	FRONT BATTER	346049.17	6382356.00	71.961	70.65	-0.04
3819	71.47	71.34	69.34	70.24	2100	FRONT BATTER	346043.00	6382376.08	71.605	70.29	0.05
3820	71.28	71.15	69.15	70.05	2100	FRONT BATTER	346037.71	6382393.28	71.349	70.03	-0.02
3821	70.74	70.61	68.61	69.51	2100	FRONT BATTER	346032.42	6382410.49	70.839	69.52	0.01
3822	70.34	70.21	68.21	69.11	2100	FRONT BATTER	346026.33	6382430.31	70.359	69.04	-0.07
3823	71.42	71.29	69.29	70.19	2100	FRONT BATTER	345994.91	6382416.84	71.36	70.05	-0.15
3824	72.65	72.52	70.52	71.42	2100	FRONT BATTER	345981.40	6382410.38	72.612	71.30	-0.12
3825	73.78	73.65	71.65	72.55	2100	FRONT BATTER	345967.72	6382403.84	73.771	72.46	-0.09
3826	75.38	75.25	73.25	74.15	2100	FRONT BATTER	345954.01	6382395.69	75.356	74.04	-0.11



WASTEWATER COLLECTION TANK COUNT

TANK SIZE	NUMBER OF
2100	51
2400	3
2700	1

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

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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]
 REGISTERED SURVEYOR
 DATE: 29/01/24
 COMPANY: [Blank]
 NAME: [Blank]
 SIGNED: [Blank]
 CONSTRUCTION MANAGER
 DATE: [Blank]

APPROVED FOR CONSTRUCTION BY ADW Johnson Pty Ltd
 Date Approved: 15-02-2023

WORK AS CONSTRUCTED

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

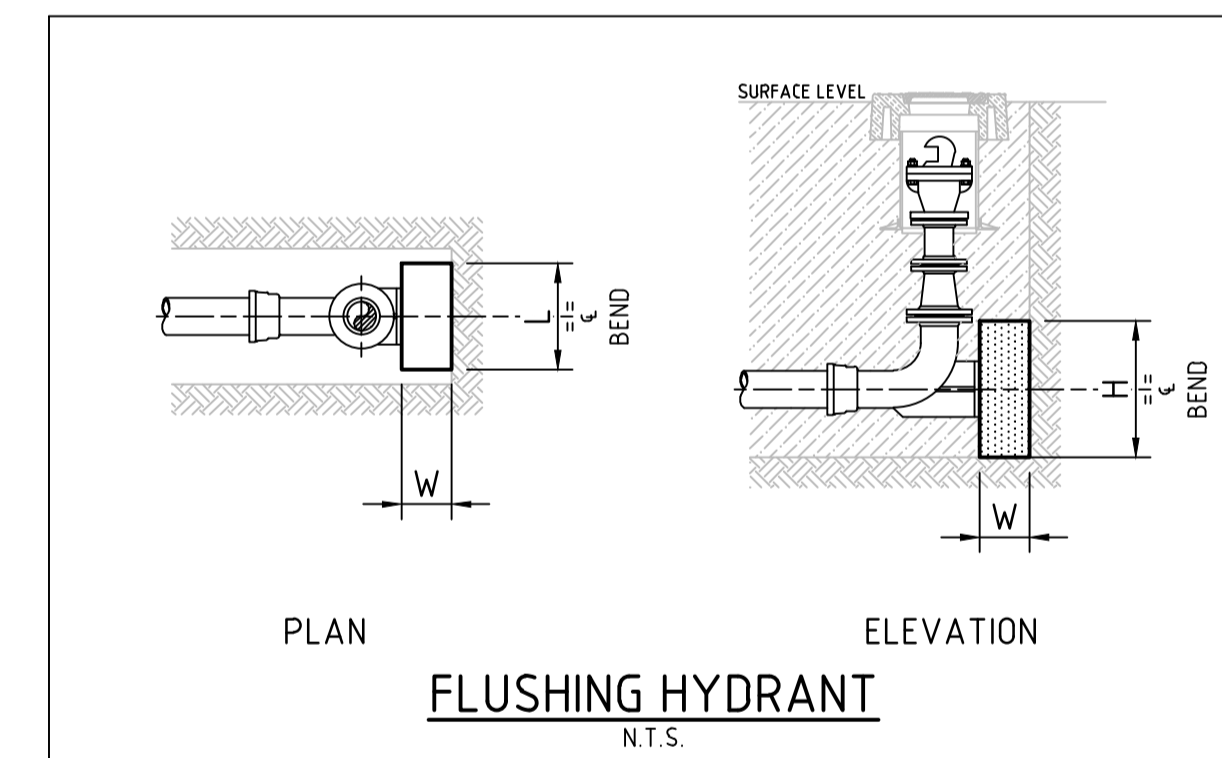
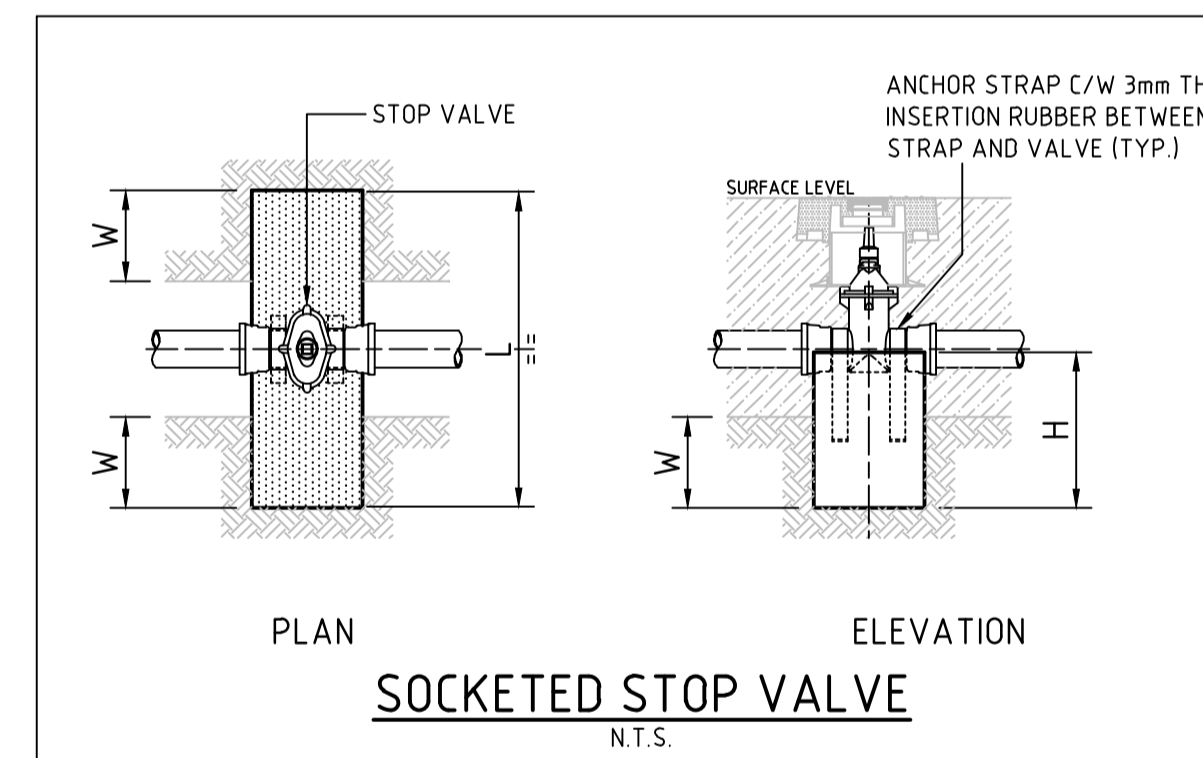
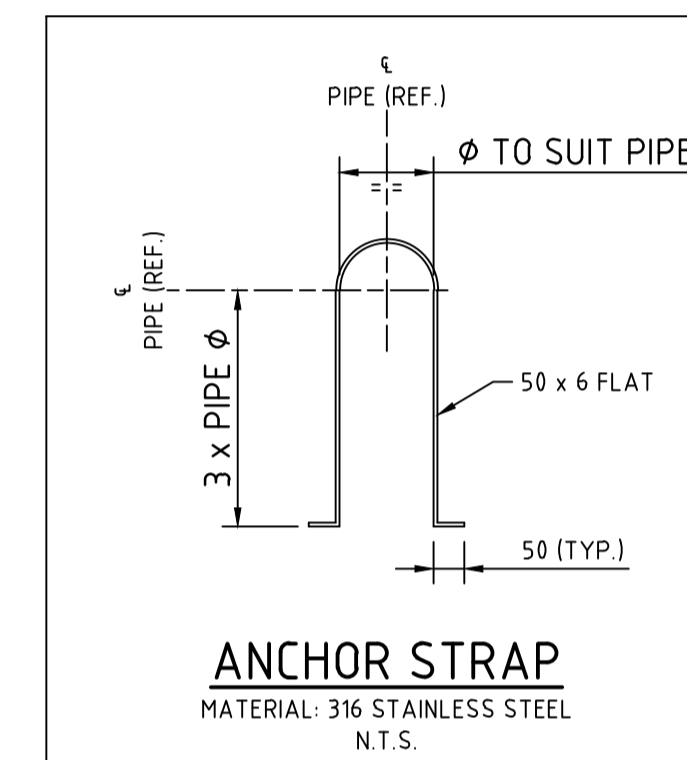
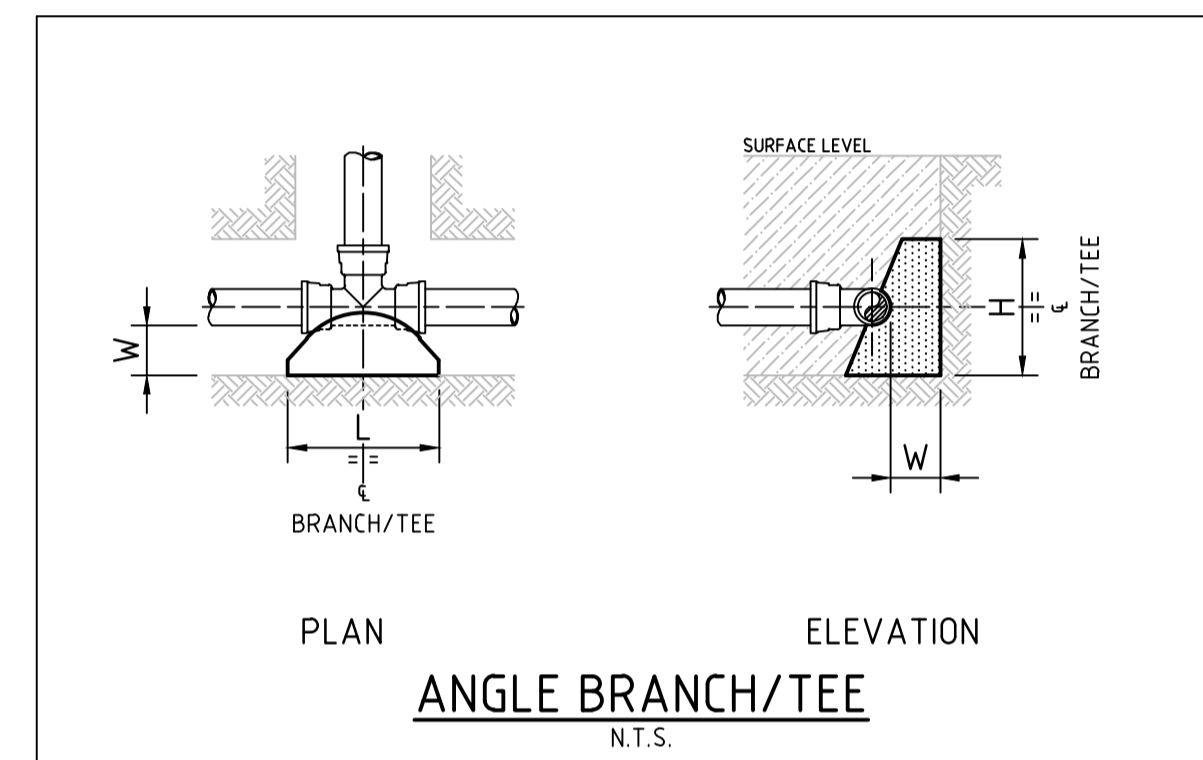
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION STAGES 35-38 HUNTLÉE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	WASTE WATER COLLECTION TANKS DETAILS	240037(35-38)-	WAC	404	5
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.									
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.									
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.									
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.									
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.									



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 AHP (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 (45°, 22.5°, 11.25° & 6°) HORIZONTAL BENDS	100	1500	7.50	0.08	N	N	0.30
3	DN100 SOCKETED STOP VALVE	100	1500	18.00	0.18	1.05	0.44	0.30
4	DN100 FLUSHING HYDRANT	100	1500	18.00	0.18	0.45	0.40	0.30
5	DN100 x 90° HORIZONTAL BEND	100	1500	25.50	0.26	0.55	0.47	0.30
6	DN200 x DN200 EQUAL TEE	100	1500	64.50	0.65	0.85	0.76	0.30
7	DN200 SOCKETED STOP VALVE	100	1500	64.50	0.65	1.40	0.62	0.40
8	DN200 FLUSHING HYDRANT	100	1500	64.50	0.65	0.85	0.77	0.30
9	DN200 END CAP	100	1500	64.50	0.65	0.85	0.77	0.30
10	DN200 x DN100 TAPER	100	1500	46.50	0.47	1.20	0.78	0.30
11	DN375 x DN200 REDUCING TEE	100	1500	64.50	0.65	0.67	0.96	0.40
12	DN375 x 90° HORIZONTAL BEND	100	1500	303.00	3.03	1.45	2.09	0.40
13	DN375 SOCKETED STOP VALVE	100	1500	214.50	2.15	2.00	0.86	0.55
14	DN375 FLUSHING HYDRANT	100	1500	214.50	2.15	1.20	1.80	0.40
15	DN375 END CAP	100	1500	214.50	2.15	1.20	1.80	0.40
16	DN150 x DN150 EQUAL TEE	100	1500	37.50	0.38	0.50	0.75	0.30
17	DN375 x DN200 TAPER	100	1500	150.00	1.50	1.60	1.03	0.35
18	DN250 FLUSHING HYDRANT	100	1500	97.50	0.98	0.85	1.16	0.40
19	DN375 x DN250 TAPER	100	1500	117.00	1.17	1.50	0.98	0.30
20	DN500 SOCKETED STOP VALVE	100	1500	370.50	3.71	2.70	1.18	0.76
21	DN500 FLUSHING HYDRANT	100	1500	370.50	3.71	1.65	2.25	0.60
22	DN500 END CAP	100	1500	370.50	3.71	1.65	2.25	0.60
23	DN200 x DN150 TAPER	100	1500	27.00	0.27	1.20	0.78	0.30
24	DN150 FLUSHING HYDRANT	100	1500	37.50	0.38	0.50	0.76	0.30
25	DN250 END CAP	100	1500	97.50	0.98	0.85	1.16	0.40
26	DN150 END CAP	100	1500	37.50	0.38	0.50	0.76	0.30
27	DN100 END CAP	100	1500	18.00	0.18	0.45	0.40	0.30
28	DN150 x DN100 TAPER	100	1500	19.50	0.20	1.05	0.70	0.30
29	DN375 x DN300 REDUCING TEE	100	1500	14.100	1.41	1.00	1.41	0.40
30	DN250 SOCKETED STOP VALVE	100	1500	97.50	0.98	1.40	0.64	0.40



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

WORK AS CONSTRUCTED
THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 18-01-2024 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: 29/01/24 REGISTERED SURVEYOR
COMPANY: [Blank]
NAME: [Blank]
SIGNED: [Blank] DATE: [Blank] CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	06.05.2022	INITIAL ISSUE	G.S.	C.B.	G.S.	C.B.	
D	22.11.2022	CLIENT COMMENTS	G.S.	N.C.	G.S.	C.B.	
0	15.02.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
1	17.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
2	21.04.2023	FOR CONSTRUCTION	G.S.	C.B.	G.S.	C.B.	
3	08.05.2023	FOR CONSTRUCTION	G.S.	C.S.	G.S.	C.B.	
4	26.06.2023	FOR CONSTRUCTION	G.S.	C.H.	G.S.	C.B.	
5	29.01.2024	WORK AS CONSTRUCTED	G.S.	T.B.	G.S.	B.R.	

DESIGN FILE: N:\240037\DWG\Water & Sewer\Stage 35-38 Water and Sewer\240037(35-38)-hntlee--design.dwg	ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE	<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p>	<p>PROPERTY DESCRIPTION</p> <p>PROPOSED SUBDIVISION STAGES 35-38 HUNTLEE</p>	<p>PROJECT</p> <p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE</p> <p>THRUST BLOCK DETAILS</p>			
Plotted By: anthonym	Plot Date: 29/01/24 - 11:05	Cad File: N:\240072\DWG\Water & Sewer\Stage 35-38-WAC\240037(35-38)-WAC-405.dwg	<p>SURVEYED</p> <p>Daly,Smith Pty Ltd</p>	<p>DATUM</p> <p>GDA94 M.G.A. ZONE 56 A.H.D.</p>	<p>PROJECT No.</p> <p>240037(35-38) -</p>	<p>DISCIPLINE</p> <p>WAC</p>	<p>NUMBER</p> <p>405</p>	<p>REV.</p> <p>5</p>

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 1-55.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 56-110.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 111-165.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 166-220.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 221-275.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 276-330.



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

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
NAME EWEN B. RANDALL NAME
SIGNED [Signature] DATE 29/01/24 SIGNED DATE
REGISTERED SURVEYOR CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

Table with columns: REV., DATE, AMENDMENT, DRAWN, CHECK, DESIGN, VERIFY, SCALES, CLIENT, PROPERTY DESCRIPTION, PROJECT, PLAN TITLE, SURVEYED, DATUM, PROJECT No., DISCIPLINE, NUMBER, REV.

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

CLIENT
altogether.

PROPERTY DESCRIPTION
PROPOSED SUBDIVISION
STAGES 35-38
HUNTLEE

PROJECT
POTABLE WATER, RECYCLED WATER AND
PRESSURE SEWER RETICULATION
PLAN TITLE
FITTINGS TABLES
PROJECT No. 240037(35-38) - DISCIPLINE WAC - NUMBER 406 - REV. 5

240037(35-38)-WAC-406

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

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 331-385.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 386-440.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 441-495.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 496-550.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 551-605.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Rows 606-609.



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

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd
NAME EWEN B. RANDALL
SIGNED [Signature] DATE 29/01/24 REGISTERED SURVEYOR
NAME [Blank]
SIGNED [Blank] DATE [Blank] CONSTRUCTION MANAGER

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 15-02-2023

WORK AS CONSTRUCTED

Table with columns: REV., DATE, AMENDMENT, DRAWN, CHECK, DESIGN, VERIFY, SCALES, CLIENT (Hunter Office, Altogether), PROPERTY DESCRIPTION (PROPOSED SUBDIVISION STAGES 35-38 HUNTLIEE), PROJECT (POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION), PLAN TITLE (FITTINGS TABLES), SURVEYED (Daly,Smith Pty Ltd), DATUM (GDA94 M.G.A. ZONE 56 A.H.D.), PROJECT No. (240037(35-38)-), DISCIPLINE (WAC), NUMBER (407), REV. (5)