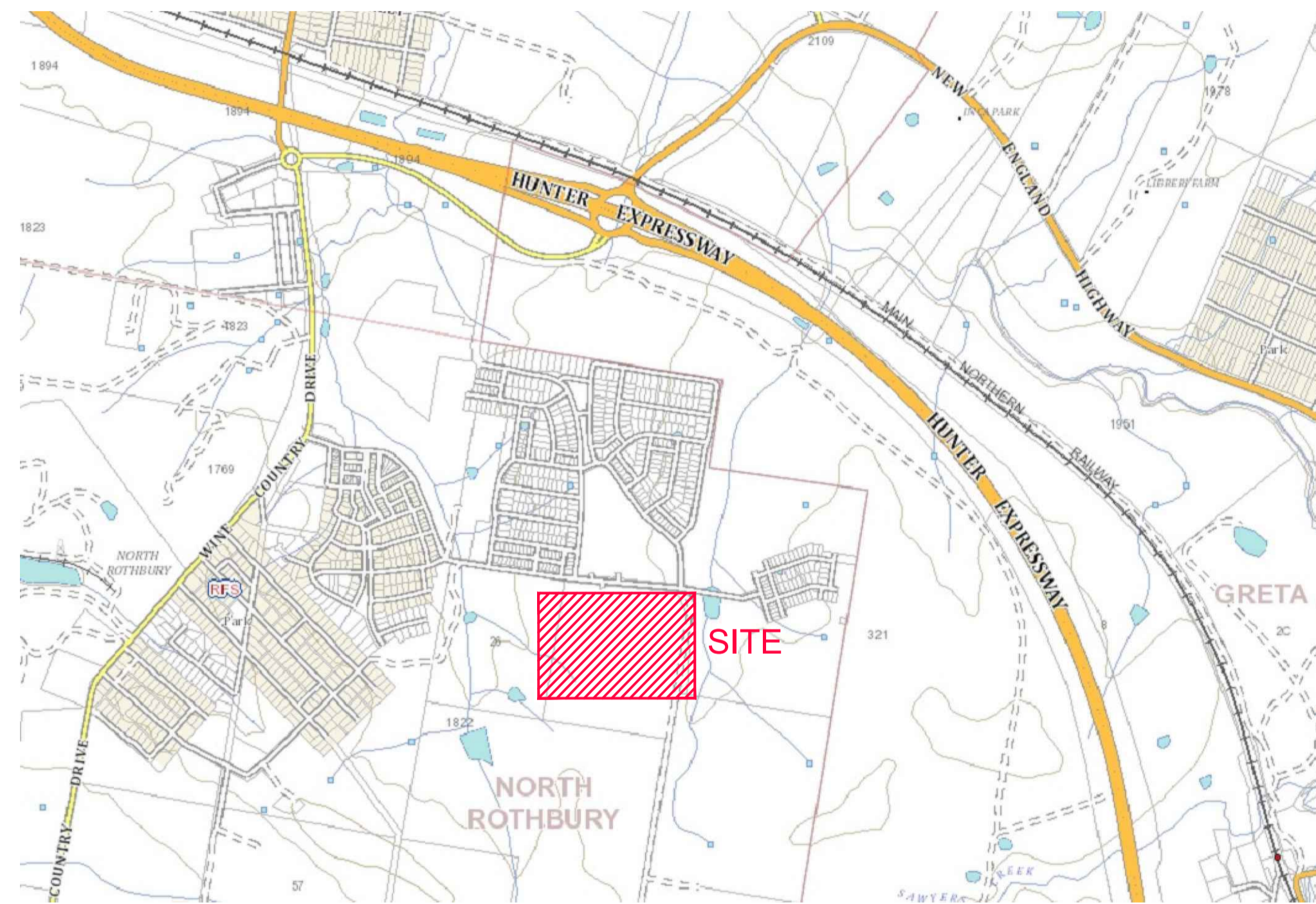




PROPOSED SUBDIVISION STAGE 24 HUNTLEE



LOCALITY SKETCH
NOT TO SCALE

DRAWING INDEX	
Sheet Title	Sheet Description
240037(24)-WAT-001	COVER SHEET, LOCALITY PLAN & DRAWING INDEX
240037(24)-WAT-002	GENERAL NOTES
240037(24)-WAT-003	OVERALL SITE PLAN
240037(24)-WAT-004	POTABLE WATER DETAIL PLAN - SHEET 1
240037(24)-WAT-005	POTABLE WATER DETAIL PLAN - SHEET 2
240037(24)-WAT-006	POTABLE WATER DETAIL PLAN - SHEET 3
240037(24)-WAT-007	POTABLE WATER DETAIL PLAN - SHEET 4
240037(24)-WAT-008	NOT USED
240037(24)-WAT-009	RECYCLED WATER DETAIL PLAN - SHEET 1
240037(24)-WAT-010	RECYCLED WATER DETAIL PLAN - SHEET 2
240037(24)-WAT-011	RECYCLED WATER DETAIL PLAN - SHEET 3
240037(24)-WAT-012	RECYCLED WATER DETAIL PLAN - SHEET 4
240037(24)-WAT-013	NOT USED
240037(24)-WAT-014	PRESSURE SEWER DETAIL PLAN - SHEET 1
240037(24)-WAT-015	PRESSURE SEWER DETAIL PLAN - SHEET 2
240037(24)-WAT-016	PRESSURE SEWER DETAIL PLAN - SHEET 3
240037(24)-WAT-017	PRESSURE SEWER DETAIL PLAN - SHEET 4
240037(24)-WAT-018	FITTINGS TABLE
240037(24)-WAT-019	TYPICAL PIPEWORK TRENCHING DETAILS
240037(24)-WAT-020	TYPICAL SERVICE CONNECTION DETAILS
240037(24)-WAT-021	WASTE WATER COLLECTION TANK LEVEL DETAILS
240037(24)-WAT-022	THRUST BLOCK DETAILS

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 25/03/2022 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 MATHEW DAVID LONDON NAME
 SIGNED *matheW* DATE 30/03/2022 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM 20029 Co-Ord System: MGA Ground
 E: 345 612.942 MGA Datum: GDA94
 N: 6 382 878.917 MGA Zone: 56
 RL: 77.675m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	
C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
0	07.07.2021	CONSTRUCTION ISSUE	G.S.	C.B.	T.S.	C.B.	
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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

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 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION
 PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE
 SURVEYED DALY.SMITH Pty Ltd DATUM MGA56 GDA94 - A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION
 PLAN TITLE COVER SHEET, LOCALITY PLAN & DRAWING INDEX
 PROJECT No. 240037(24) DISCIPLINE - WAC - NUMBER 001 REV. 3

240037(24)-WAC-001

PRESSURE SEWER NOTES:

- 1. 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.
2. ALL EQUIPMENT, MATERIALS AND ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW AND SHALL COMPLY WITH ALTOGETHER REQUIREMENTS.
3. 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.
4. PRESSURE SEWER MAINS SHALL BE BLACK POLYETHYLENE (PE100 PN16) WITH A CREAM STRIPE AS PER WSA 02-2007 AND ALTOGETHER SUPPLEMENTARY MANUAL TO WSA.
5. ALL POLYETHYLENE MAINS <= DN200 SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
6. MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED.
7. 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.
8. MAINS WITHIN 2.0m OF ELECTRICITY OR POWER POLES SHALL BE CONDUCTED BY BORING TECHNOLOGY (UNLESS AGREED TO BY THE ALTOGETHER REPRESENTATIVE).
9. ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION WSA-PS350 AND WSA-PS351.
10. ALL BENDS SHALL BE ELECTROFUSION OR BUTT WELD SWEEP BENDS. FABRICATED BENDS SHALL NOT BE USED IN LIEU. KNUCKLE ELBOWS ARE NOT PERMITTED.
11. MINIMUM BENDING RADIUS FOR PN16 PE100 (SDR11) SHALL BE 20 x DN.
12. ALL HOUSE SERVICE LATERALS SHALL BE DN40 (PE100 PN16).
13. FLUSHING PITS SHALL CONFORM WITH ALTOGETHER STANDARD DRAWINGS. REFER TO ALTOGETHER WEBSITE FOR CURRENT VERSION.
14. 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).
15. DETECTABLE MARKING TAPE SHALL BE LAID ON TOP OF THE PIPE EMBEDMENT MATERIAL BEFORE BACKFILLING AND CONNECTED TO SURFACE FITTINGS.
16. ALL SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (i.e. ROADWAYS, PATHS etc.) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.
17. DURING CONSTRUCTION, ALL OPEN ENDS OF PIPE SHALL BE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.
18. 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.
19. ALL MAINS SHALL BE TESTED IN ACCORDANCE WITH WSA 07-2007 VERSION 1.1.
20. FOR LOTS WITH TANKS IN THE REAR, 1 x 25mm INSTRUMENTATION CONDUIT (ORANGE) AND 1 x 25mm ELECTRICAL CONDUIT (ORANGE)(WITH DRAW WIRES) SHALL BE INSTALLED FROM THE COLLECTION TANK TO WATER METERS.
21. THE CONSTRUCTOR SHALL PROVIDE HUNTLEE WATER WITH MINIMUM OF 7 DAYS NOTICE IN WRITING OF INTENT TO CONNECT NEW MAINS TO EXISTING INFRASTRUCTURE.
22. UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION HAT EXISTED PRIOR TO COMMENCEMENT OF WORKS.
23. PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPIER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
24. BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAVE BEEN OBTAINED AND APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER REPRESENTATIVE.
25. THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE PRESSURE SEWER CODE OF AUSTRALIA (CLAUSE 21.3.4) ARE:
26. BOUNDARY KITS (COMPLETE) SHALL BE NOV SUPPLIED (NOV PSS-BK4).
27. ALL MAINS (UP TO THE BOUNDARY KIT) SHALL BE PRESSURE TESTED TO 1600 kPa.
28. ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
29. SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO ALTOGETHER REQUIREMENTS.
30. ROPE OFF ALL PRESSURE SEWER UNITS AND FLUSHING POINTS TO LIMIT DAMAGE DURING CONSTRUCTION.
31. PRESSURE TRANSMITTER TO BE MEASUREX MRB21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM PER ALTOGETHER REQUIREMENTS.
32. 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:

- 1. 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).
2. POTABLE WATER SHALL BE UTILISED FOR FIRE FIGHTING PURPOSES.
3. 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.
4. 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.
5. THE CONSTRUCTOR SHALL VERIFY WITH THE SITE SUPERVISOR THE POSITION AND LEVEL OF ALL EXISTING AND PROPOSED BOUNDARIES PERTINENT TO THE INFRASTRUCTURE INSTALLATIONS.
6. MAIN TO BE LAID GENERALLY AS INDICATED IN SERVICE ALLOCATION DIAGRAMS. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED.
7. ALL POTABLE WATERMANS TO BE BLUE PVC-M (PN16). ALL RECYCLED WATERMANS SHALL BE LILAC PVC-M (PN16).
8. MAXIMUM JOINT DEFLECTIONS TO BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
9. 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.
10. ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION PS-350, 368 AND 369.
11. DURING CONSTRUCTION, ALL OPEN ENDS OF PIPES SHALL BE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.
12. HYDRANTS, STOP VALVES AND ALL OTHER FITTINGS TO BE THE SAME SIZE AS THE THROUGH WATER MAIN AND ANTI CLOCKWISE CLOSING.
13. 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.
14. THRUST BLOCKS SHALL BE INSTALLED IN ACCORDANCE WITH WAT-1205.
15. ALL PROPERTY (MAIN TO METER) SERVICE CONNECTIONS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH ALTOGETHER REQUIREMENTS.
16. PROPERTY SERVICE CONNECTION IS SHALL BE FLUSHED AND LOCKED (BY THE ALTOGETHER REPRESENTATIVE) FOLLOWING SUCCESSFUL PRESSURE TESTING.
17. SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (i.e. ROADWAYS, PATHS etc.) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.
18. ALL MAINS SHALL BE PRESSURE TESTED TO 1500kPa IN ACCORDANCE WITH CLAUSE 19.4 OF WSA03-2011 (SYDNEY WATER EDITION 2014).
19. ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
20. WATER QUALITY TESTING SHALL BE IN ACCORDANCE WITH WSA 03-2011-3.1(SYDNEY WATER EDITION-2014. CLAUSE 19.7).
21. THE CONSTRUCTOR SHALL PROVIDE HUNTLEE WATER WITH MINIMUM OF 7 DAYS NOTICE IN WRITING OF INTENT TO CONNECT NEW MAINS TO EXISTING INFRASTRUCTURE.
22. UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION HAT EXISTED PRIOR TO COMMENCEMENT OF WORKS.
23. PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPIER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
24. BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL W.A.C. DETAILS HAVE BEEN OBTAINED AND APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER REPRESENTATIVE.
25. MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY WSA03-2011 (SYDNEY WATER EDITION 2014) (CLAUSE 19.3.5):
26. SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO ALTOGETHER REQUIREMENTS.
27. PRESSURE TRANSMITTER TO BE MEASUREX MRB21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM PER ALTOGETHER REQUIREMENTS.
28. WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE ALTOGETHER Q.A. SUBMISSION CHECKLIST.
29. WHERE THE PIPE GRADE EXCEEDS 5%, TRENCHSTOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WAT-1209 AND WAT-1210 AT THE SPACING OF 100/GRADE%.
30. 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/90004827263-Standard-drawings-for-land-developers-

GENERAL NOTES:

- 1. 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.
2. 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.
3. MAKE SMOOTH TRANSITION TO EXISTING WORKS (i.e. ROAD PAVEMENT AND FOOTPATHS) TO P.C.A. AND SUPERINTENDENT'S REQUIREMENTS.
4. 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

Table with columns: UTILITY (EXISTING OR PROPOSED SERVICE), MINIMUM HORIZONTAL CLEARANCE (mm), MINIMUM VERTICAL CLEARANCE (mm). Rows include Water Mains, Gas Mains, Telecommunication Conduits, Stormwater Drains, Sewers, and Kerbs.

NOTES:

- 1. 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.
2. WATER MAINS INCLUDES MAINS SUPPLYING BOTH POTABLE AND RECYCLED WATER.
3. FOR AREAS WITH EXISTING WATER RETICULATION, CLEARANCES CAN BE FURTHER REDUCED TO 600mm WITH THE APPROVAL OF THE WATER AUTHORITY.
4. CLEARANCES CAN BE FURTHER REDUCED TO 150mm FOR DISTANCES UP TO 2.0m WHEN PASSING INSTALLATIONS SUCH AS POLES, PITS, AND SMALL STRUCTURES.
5. CLEARANCES FROM KERBS SHALL BE MEASURED FROM THE NEAREST POINT OF THE KERB.
6. WHERE A PARALLEL SEWER IS AT MINIMUM VERTICAL CLEARANCE LOWER THAN THE WATER MAIN (150mm), MAINTAIN A MINIMUM HORIZONTAL OF 1000mm.
7. 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.
8. 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.
9. WATER MAINS SHOULD ALWAYS CROSS OVER SEWERS AND STORMWATER DRAINS.

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

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd
NAME MATHEW DAVID LONDON
SIGNED [Signature] DATE 30/03/2022
REGISTERED SURVEYOR

ORIGIN OF W.A.C. LEVELS

PM 20029
E: 345 612 942
N: 6 382 878 917
RL: 77.675m
Co-Ord System: MGA Ground
MGA Datum: GDA94
MGA Zone: 56

APPROVED FOR CONSTRUCTION BY ADW Johnson Pty Ltd

Date Approved: 07/07/2021

AS CONSTRUCTED

100mm AT FULL SIZE

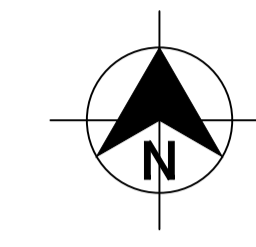
Table with columns: REV., DATE, AMENDMENT, DRAWN, CHECK, DESIGN, VERIFY, SCALES. Includes revision history for preliminary issue, approval, and construction updates.

Hunter Office logo and contact information: Unit 7/335 Hillsborough Rd, Warners Bay N.S.W. 2282. Phone: (02) 4978 5100. Fax: (02) 4978 5199. Email: hunter@adwjohson.com.au. Website: www.adwjohson.com.au. ABN: 62 129 445 398.

ALTOGETHER logo and CLIENT information.

PROPERTY DESCRIPTION: PROPOSED SUBDIVISION STAGE 24 HUNTLEE. SURVEYED BY DALY.SMITH Pty Ltd. DATUM: MGA56 GDA94 - A.H.D.

PROJECT: POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION. PLAN TITLE: GENERAL NOTES. PROJECT No: 240037(24). DISCIPLINE: WAC. NUMBER: 002. REV: 3.



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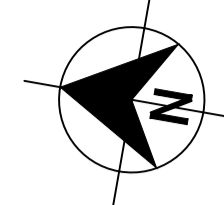
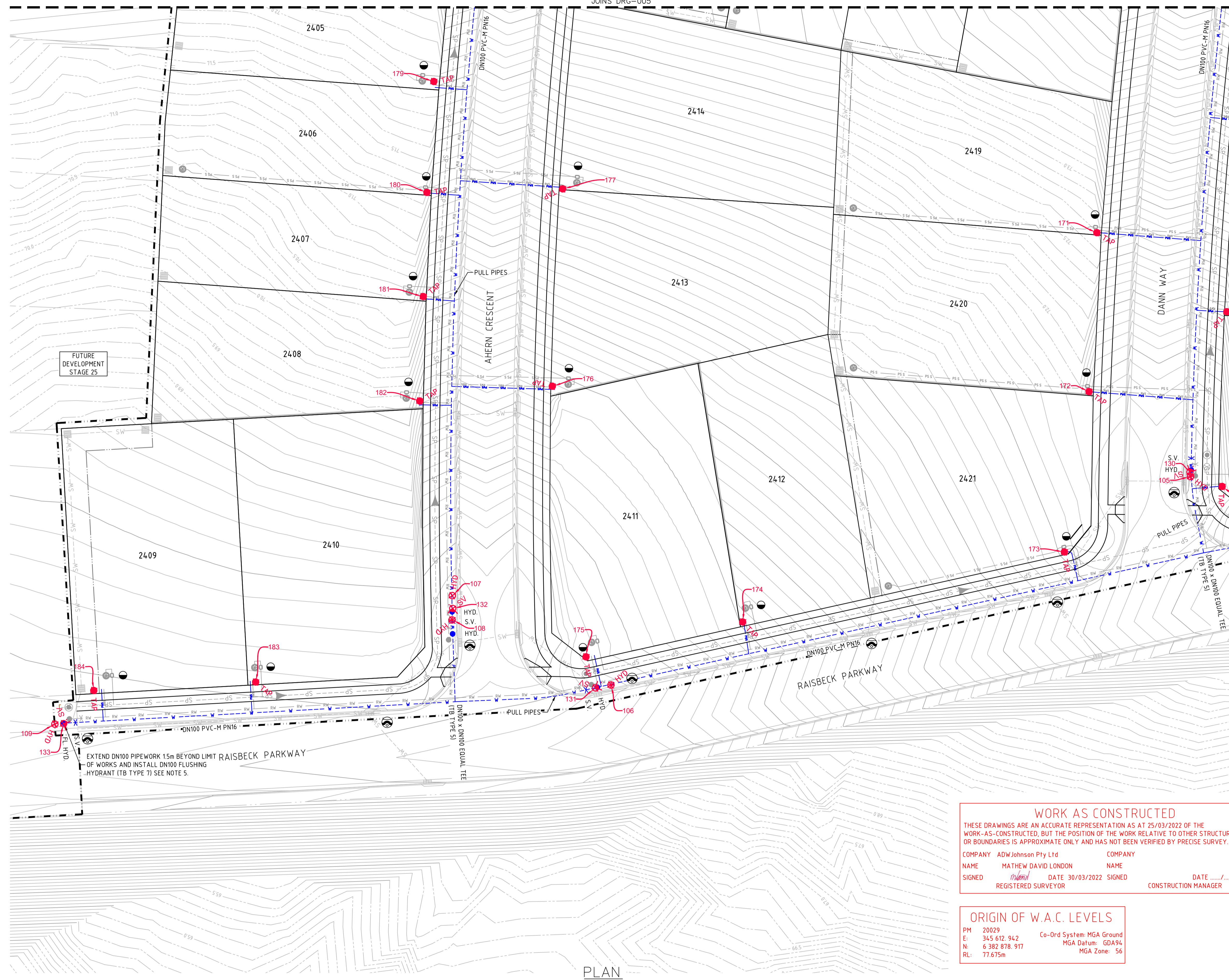
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CLIENT

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 PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd
 DATUM MGA56 GDA94 - A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	GENERAL NOTES		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(24)	- WAC -	003	3



LEGEND

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

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

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	828
DN20 (LATERAL)	PE100 PN16	237

- NOTES:**
- LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 TO 012.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

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 SIGNED *mathew* DATE 30/03/2022 SIGNED DATE / / /
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PLAN SCALE 1:250

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CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd DATUM MGA56 GDA94 - A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

PLAN TITLE POTABLE WATER DETAIL PLAN - SHEET 1

PROJECT No. 240037(24)	DISCIPLINE - WAC -	NUMBER 004	REV. 3
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240037(24)-WAC-007

100mm AT FULL SIZE

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 25/03/2022 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 MATHEW DAVID LONDON
 SIGNED [Signature] DATE 30/03/2022 REGISTERED SURVEYOR

COMPANY
 NAME
 SIGNED DATE CONSTRUCTION MANAGER

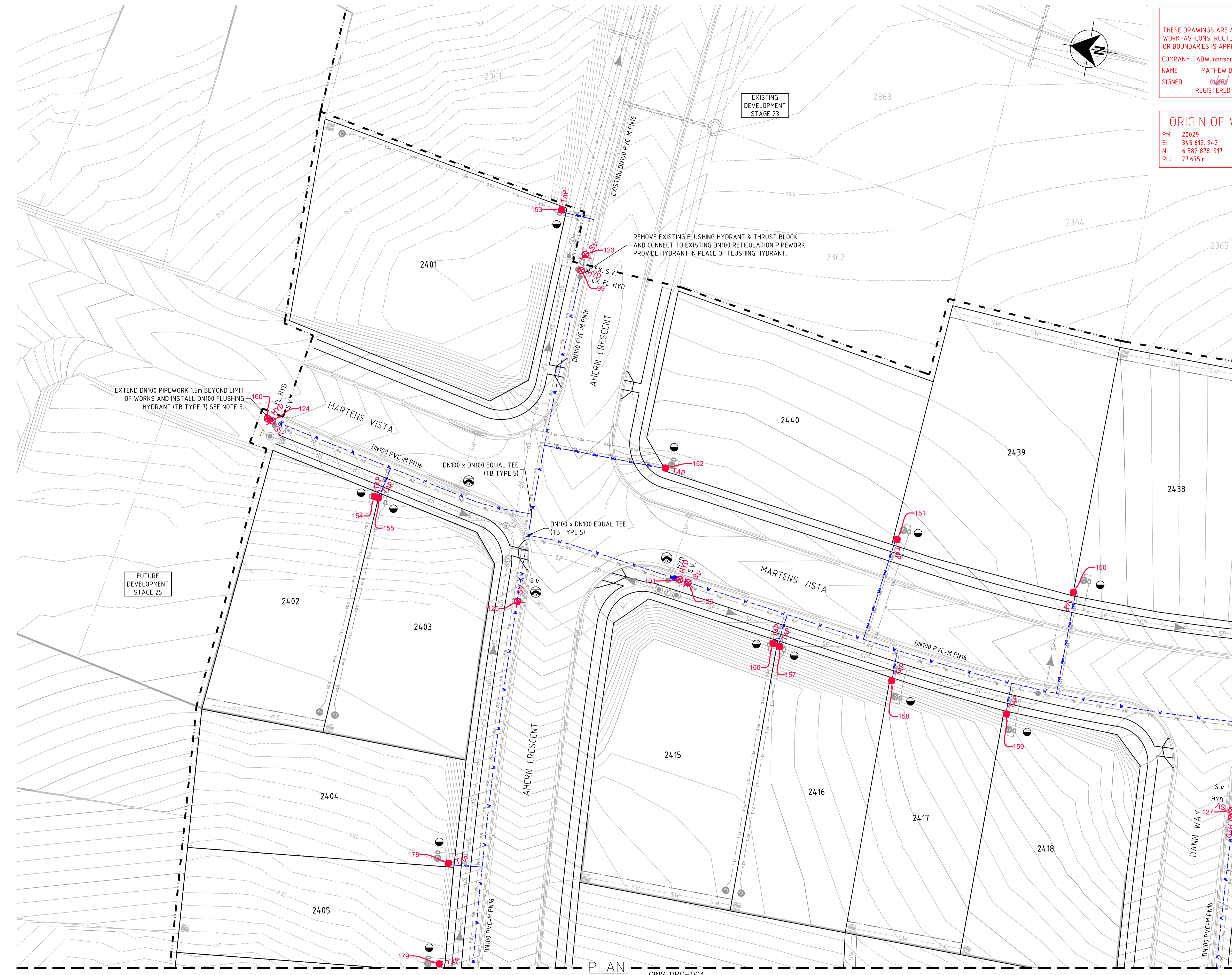


DIAL1100 BEFORE YOU DIG

ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345 612 942
 N: 6 382 878 917
 RL: 77.675m

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



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

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

POTABLE WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	828
DN20 (LATERAL)	PE100 PN16	237

- NOTES:**
1. LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 2. FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 TO 012.
 3. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
 4. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 5. WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	0 5 10 A1 / A3 1:250 / 1:500
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	
C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
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1	24.08.2021	WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
2	24.09.2021	POT SIZE ALTERATION (SHEET 015 - LOT 2439)	G.S.	C.B.	T.S.	C.B.	
3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

SCALE 1:250

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
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 ABN 62 129 445 398

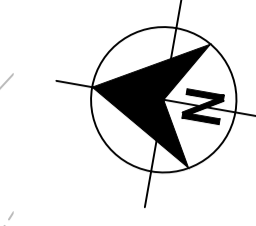
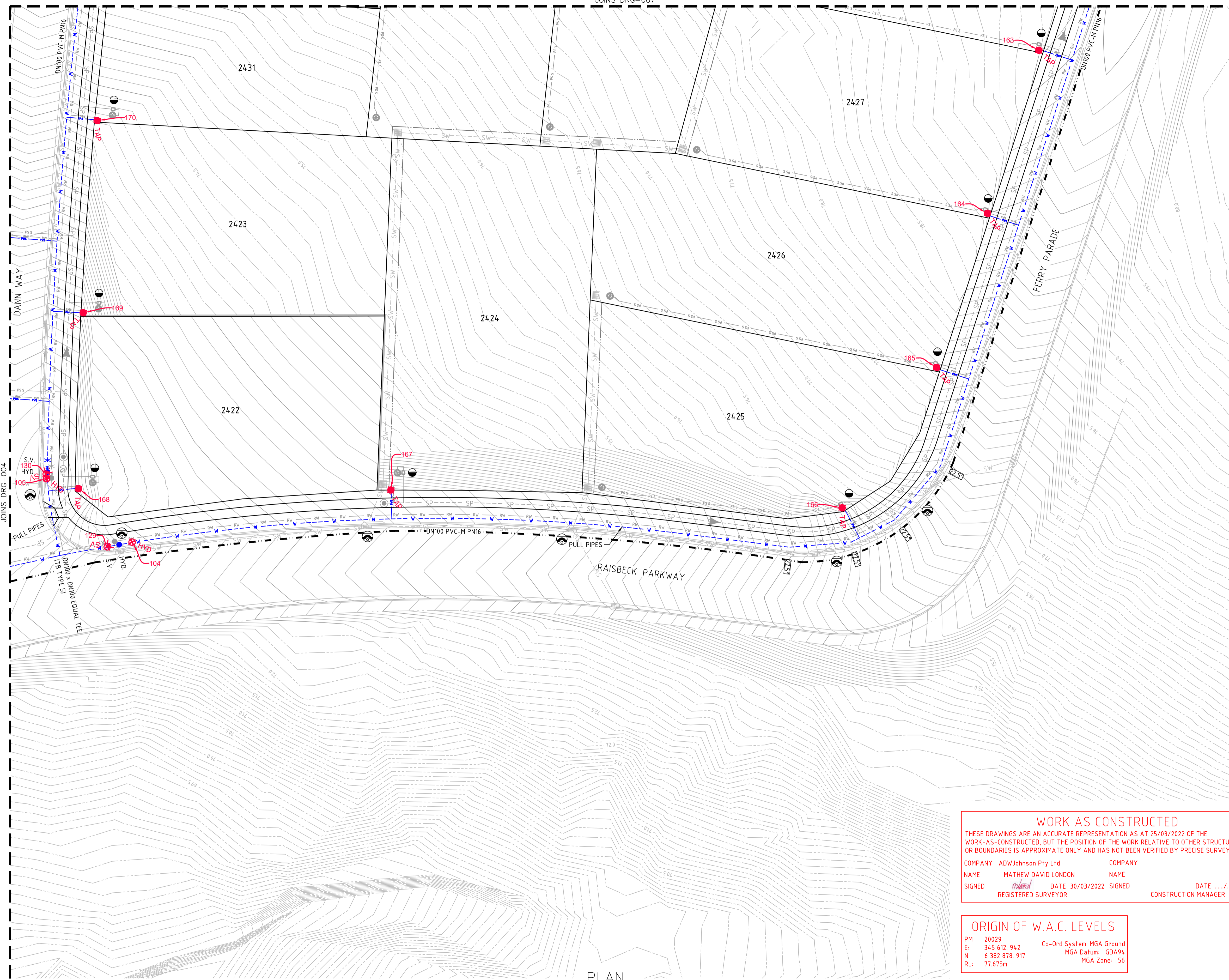
CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd
 DATUM MGA56 GDA94 - A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 2		
PROJECT No.	240037(24)	DISCIPLINE	WAC
NUMBER	005	REV.	3



LEGEND

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

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

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	828
DN20 (LATERAL)	PE100 PN16	237

- NOTES:**
- LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 TO 012.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
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 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME MATHEW DAVID LONDON NAME
 SIGNED *MatheW* DATE 30/03/2022 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
 E: 345 612 942 MGA Datum: GDA94
 N: 6 382 878 917 MGA Zone: 56
 RL: 77.675m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

PLAN
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

adw Johnson

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

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd DATUM MGA56 GDA94 - A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

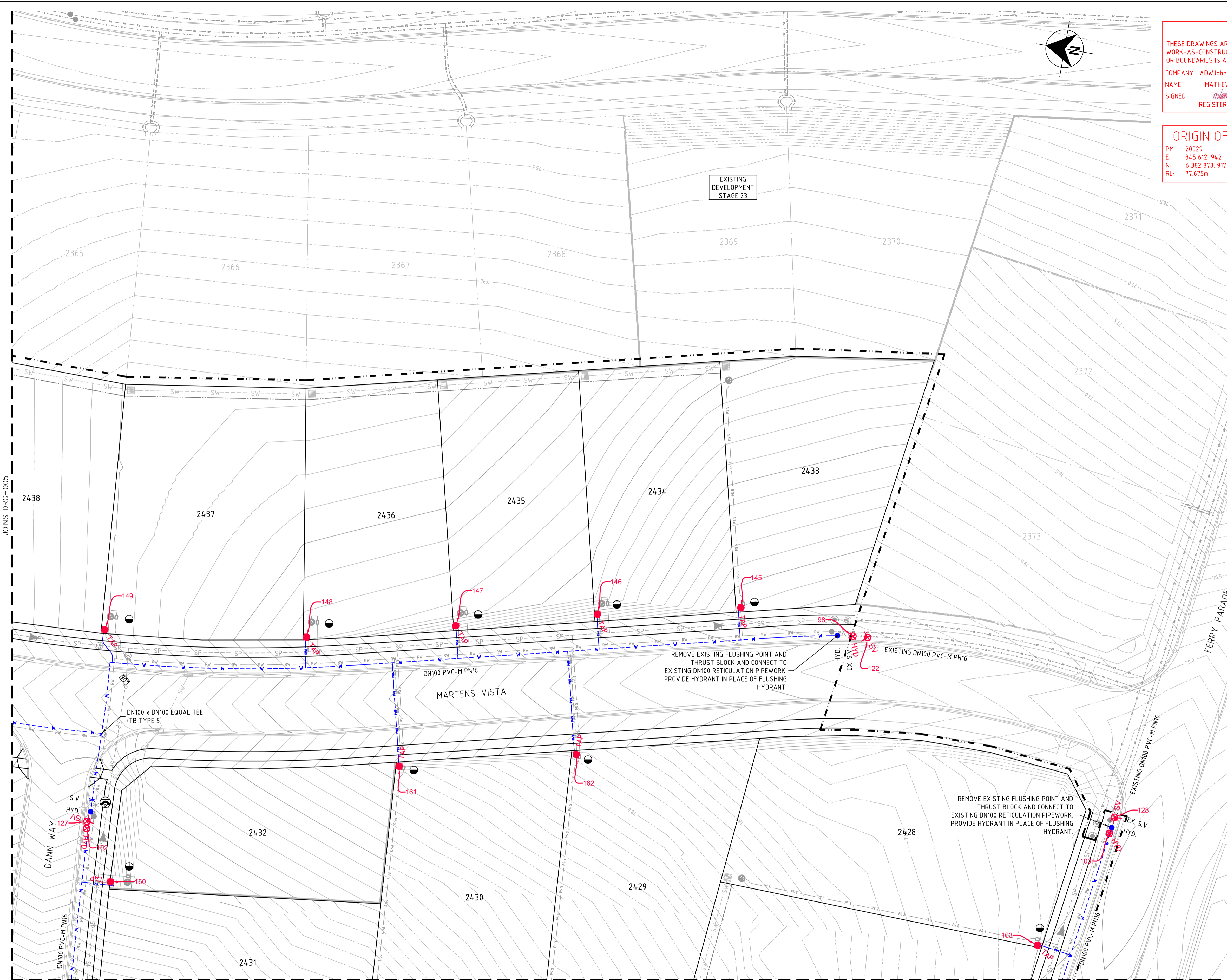
PLAN TITLE POTABLE WATER DETAIL PLAN - SHEET 3

PROJECT No. 240037(24)	DISCIPLINE - WAC -	NUMBER 006	REV. 3
------------------------	--------------------	------------	--------

240037(24)-WAC-007

JOINS DRG-005

100mm AT FULL SIZE



PLAN
SCALE 1:250
JOINS DRG-006

WORK AS CONSTRUCTED
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 COMPANY ADW Johnson Pty Ltd
 NAME MATHEW DAVID LONDON
 SIGNED *mathe* DATE 30/03/2022 REGISTERED SURVEYOR
 COMPANY NAME
 SIGNED _____ DATE _____ CONSTRUCTION MANAGER



ORIGIN OF W.A.C. LEVELS
 PM 20029
 E: 345 612. 942
 N: 6 382 878. 917
 RL: 77.675m
 Co-Ord System: MGA Ground
 MGA Datum: GDA94
 MGA Zone: 56

LEGEND

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

- POTABLE WATER PROPERTY SERVICE CONNECTIONS**
 TOTAL 40 CONNECTIONS
 • SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 -27 x SHORT SIDE
 -9 x LONG SIDE
 • SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 -2 x SHORT SIDE
 -0 x LONG SIDE

POTABLE WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	828
DN20 (LATERAL)	PE100 PN16	237

- NOTES:**
- LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 TO 012.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.

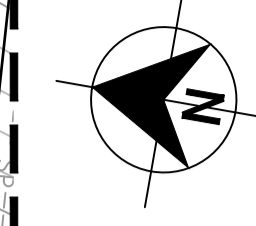
SCALE	0	5	10	A1 / A3
	1:250 / 1:500			

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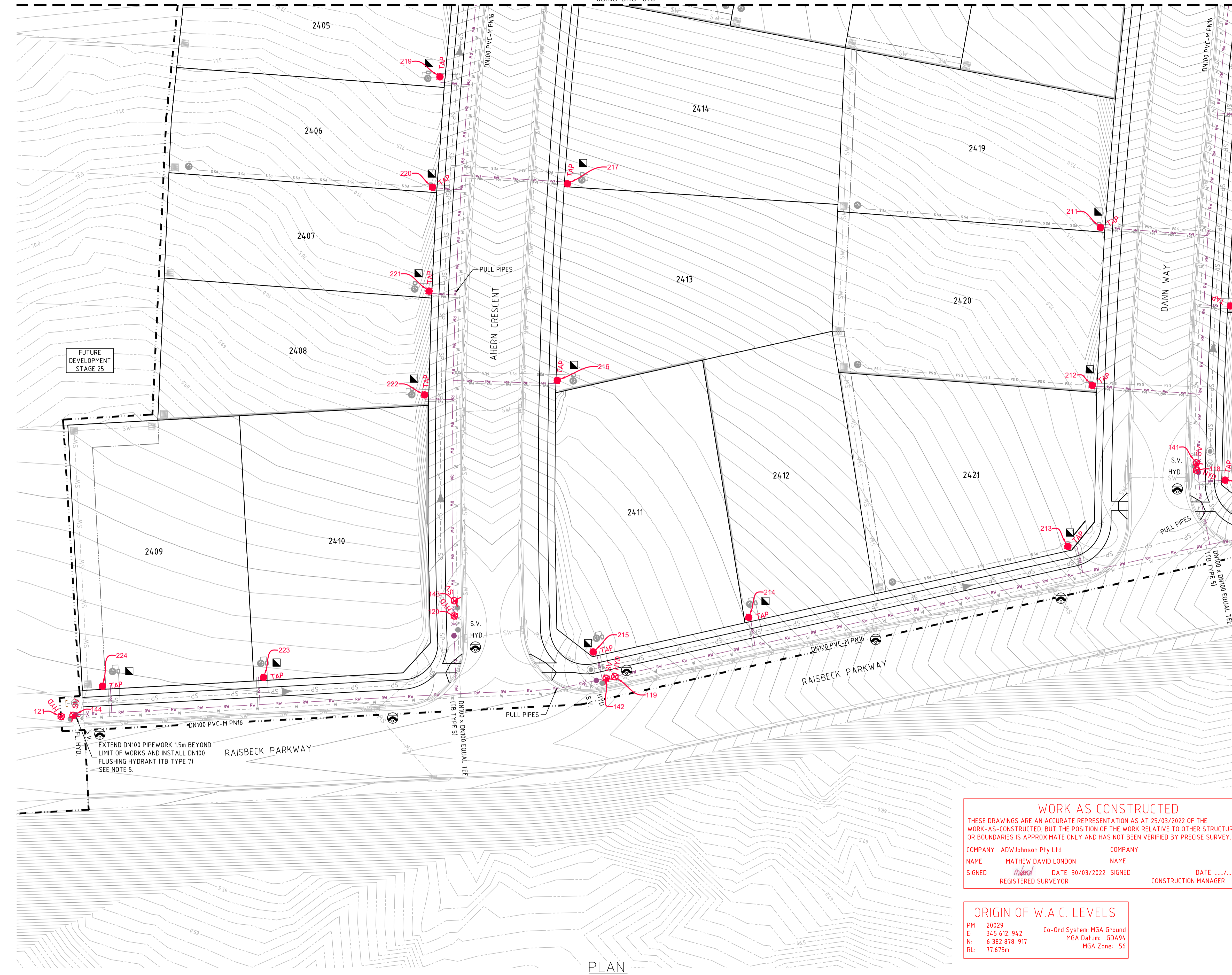
CLIENT

PROPERTY DESCRIPTION
 PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	POTABLE WATER DETAIL PLAN - SHEET 4		
PROJECT No.	240037(24)	DISCIPLINE	- WAC -
NUMBER	007	REV.	3



DIAL 1100
BEFORE YOU DIG



LEGEND

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

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

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	826
DN25 (LATERAL)	PE100 PN16	230

- NOTES:**
1. LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 2. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
 3. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
 4. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 5. WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

WORK AS CONSTRUCTED

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COMPANY	ADW Johnson Pty Ltd	COMPANY	
NAME	MATHEW DAVID LONDON	NAME	
SIGNED	<i>Mat</i>	SIGNED	
	REGISTERED SURVEYOR		DATE
			CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345 612.942 Co-Ord System: MGA Ground
 N: 6 382 878.917 MGA Datum: GDA94
 RL: 77.675m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

PLAN
SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
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 Fax: (02) 4978 5199
 email: hunter@adwjohnson.com.au
 www.adwjohnson.com.au
 ABN 62 129 445 398

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
STAGE 24
HUNTLEE

SURVEYED
DALY.SMITH Pty Ltd

DATUM
MGA56 GDA94 - A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

PLAN TITLE
RECYCLED WATER DETAIL PLAN - SHEET 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(24)	- WAC -	009	3

240037(24)-WAC-012

100mm AT FULL SIZE

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd
 NAME MATHEW DAVID LONDON
 SIGNED [Signature] DATE 30/03/2022 REGISTERED SURVEYOR

COMPANY
 NAME
 SIGNED [Signature] DATE _____ CONSTRUCTION MANAGER



ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345 612 942
 N: 6 382 878 917
 RL: 77.675m

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



LEGEND

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

- RECYCLED WATER PROPERTY SERVICE CONNECTIONS**
- TOTAL 40 CONNECTIONS
- SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 - 27 x SHORT SIDE
 - 9 x LONG SIDE
 - SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 - 2 x SHORT SIDE
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RECYCLED WATER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	826
DN25 (LATERAL)	PE100 PN16	230

- NOTES:**
- LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 - FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
 - FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
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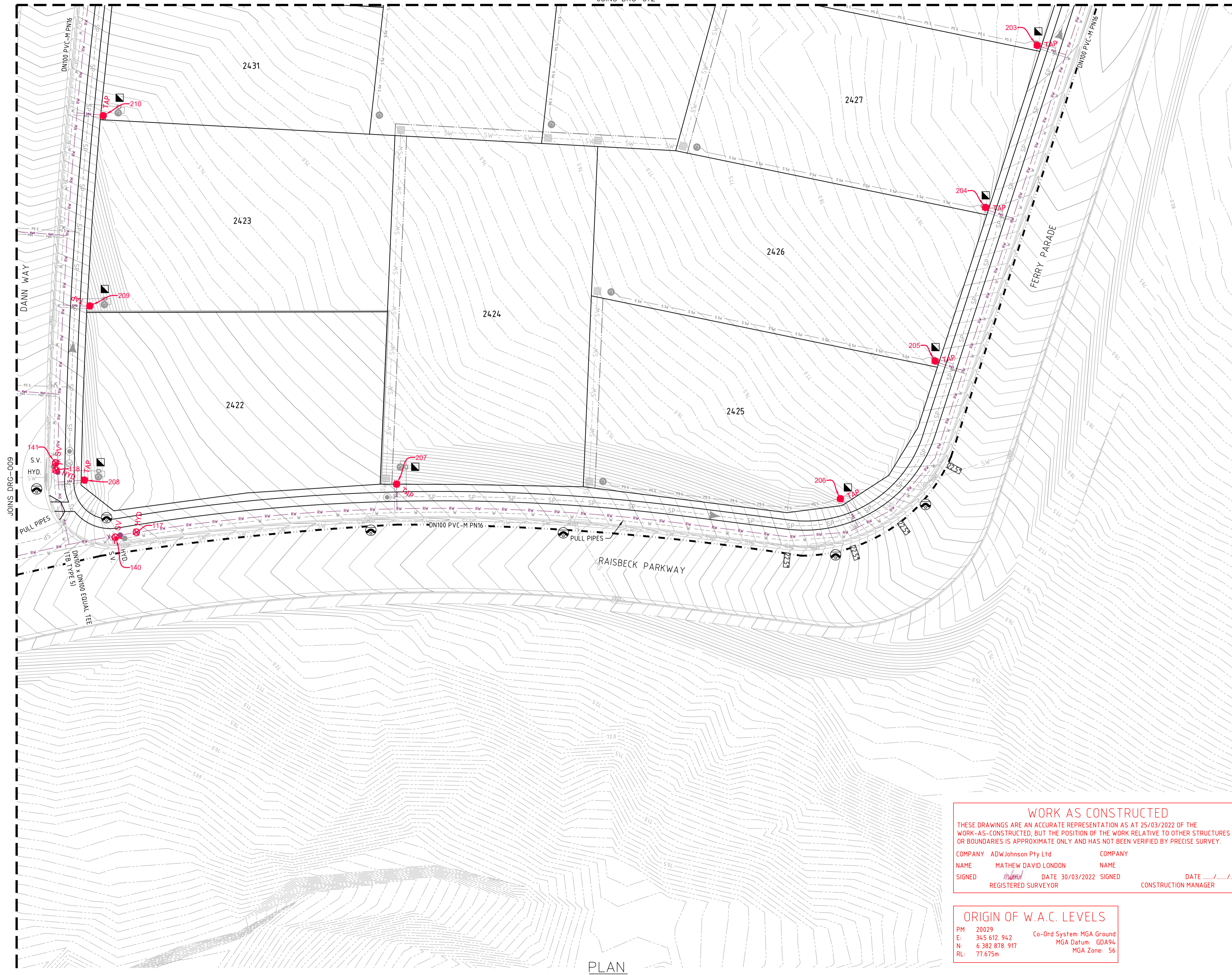
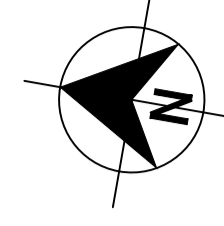
CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd
 DATUM MGA56 GDA94 - A.H.D.

PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	RECYCLED WATER DETAIL PLAN - SHEET 2	240037(24)	- WAC -	010	3



LEGEND

RW	PVC-M RECYCLED WATER RETICULATION
RWS	RECYCLED WATER PROPERTY SERVICE
PWS	PVC-M POTABLE WATER RETICULATION
PWS	POTABLE WATER PROPERTY SERVICE
SP	PE PRESSURE SEWER RETICULATION
PS S	PE PRESSURE SEWER PROPERTY SERVICE
EX RW	EXISTING RECYCLED WATER RETICULATION
EX PW	EXISTING POTABLE WATER RETICULATION
EX PS	EXISTING PRESSURE SEWER RETICULATION
SW	STORMWATER PIPEWORK
SV	STOP VALVE
HYD.	HYDRANT
FL HYD.	FLUSHING HYDRANT
Property Service Connection Symbol	PROPERTY SERVICE CONNECTION
Lay Water Main Over Stormwater Pipe Symbol	LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
Proposed Easement Symbol	PROPOSED EASEMENT
Subdivision Stage Boundary Symbol	SUBDIVISION STAGE BOUNDARY

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

RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	826
DN25 (LATERAL)	PE100 PN16	230

- NOTES:**
1. LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 2. FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
 3. FOR PRESSURE SEWER PIPEWORK DETAIL PLANS REFER TO DRGS-014 TO 017.
 4. FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 5. WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 25/03/2022 OF THE WORK-AS-CONSTRUCTED, BUT THE POSITION OF THE WORK RELATIVE TO OTHER STRUCTURES OR BOUNDARIES IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY PRECISE SURVEY.

COMPANY ADWJohnson Pty Ltd COMPANY
 NAME MATHEW DAVID LONDON NAME
 SIGNED *Mend* DATE 30/03/2022 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029
 E: 345 612. 942 Co-Ord System: MGA Ground
 N: 6 382 878. 917 MGA Datum: GDA94
 RL: 77.675m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	 A1 / A3 1:250 / 1:500
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	
C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
0	07.07.2021	CONSTRUCTION ISSUE	G.S.	C.B.	T.S.	C.B.	
1	24.08.2021	WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
2	24.09.2021	POT SIZE ALTERATION (SHEET 015 - LOT 2439)	G.S.	C.B.	T.S.	C.B.	
3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

PLAN SCALE 1:250

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
 STAGE 24
 HUNTLEE

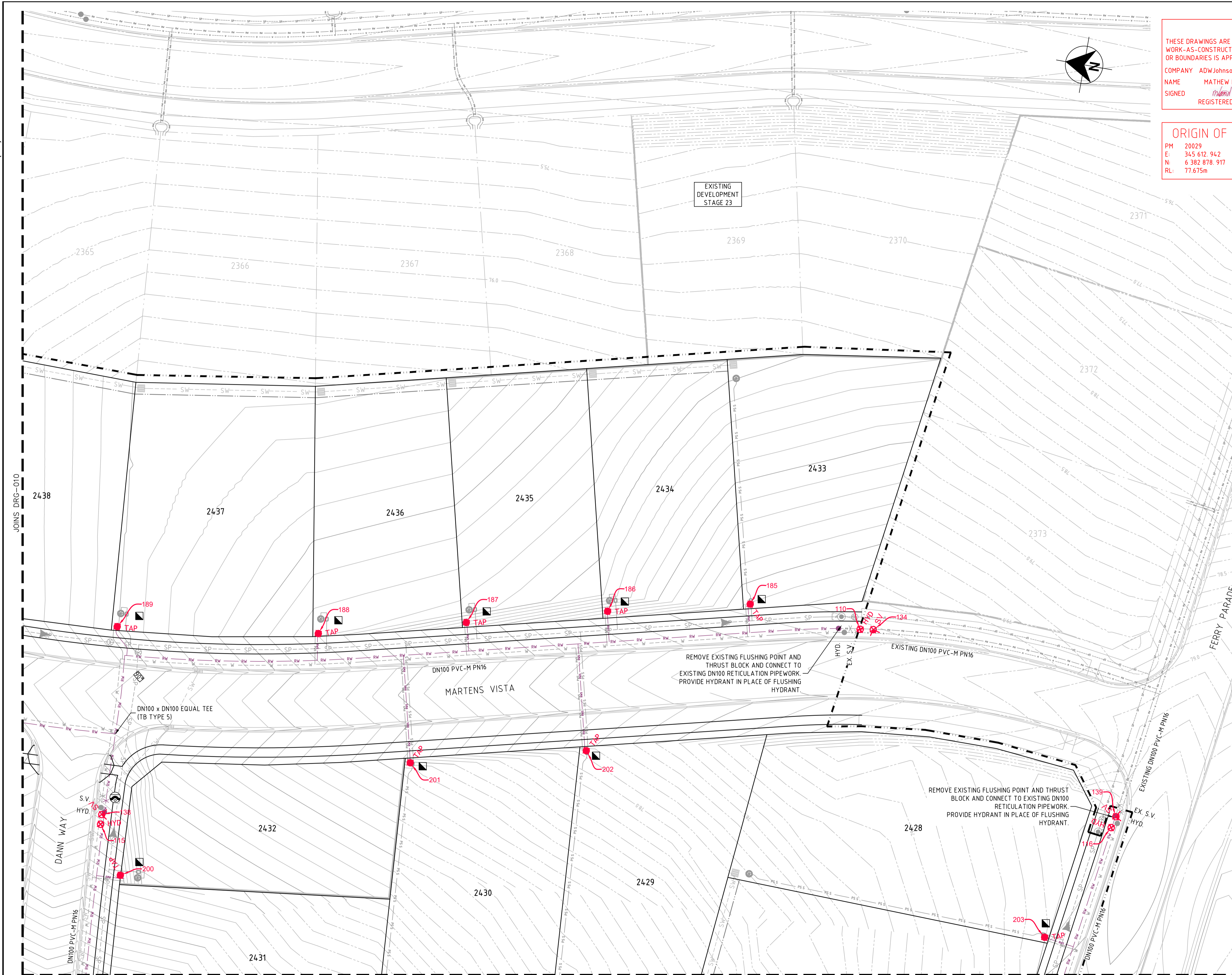
SURVEYED DALY.SMITH Pty Ltd DATUM MGA56 GDA94 - A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	RECYCLED WATER DETAIL PLAN - SHEET 3		
PROJECT No.	240037(24)	DISCIPLINE	- WAC -
NUMBER	011	REV.	3

240037(24)-WAC-012

JOINS DRG-010

100mm AT FULL SIZE



WORK AS CONSTRUCTED
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 COMPANY: ADW Johnson Pty Ltd
 NAME: MATHEW DAVID LONDON
 SIGNED: [Signature] DATE: 30/03/2022 REGISTERED SURVEYOR
 COMPANY: [Blank]
 NAME: [Blank]
 SIGNED: [Blank] DATE: [Blank] CONSTRUCTION MANAGER



ORIGIN OF W.A.C. LEVELS
 PM: 20029
 E: 345 612.942
 N: 6 382 878.917
 RL: 77.675m
 Co-Ord System: MGA Ground
 MGA Datum: GDA94
 MGA Zone: 56

LEGEND

RW	RW	PVC-M RECYCLED WATER RETICULATION
RWS	RWS	RECYCLED WATER PROPERTY SERVICE
W	W	PVC-M POTABLE WATER RETICULATION
PWS	PWS	POTABLE WATER PROPERTY SERVICE
SP	SP	PE PRESSURE SEWER RETICULATION
PS S	PS S	PE PRESSURE SEWER PROPERTY SERVICE
EX RW	EX RW	EXISTING RECYCLED WATER RETICULATION
EX PW	EX PW	EXISTING POTABLE WATER RETICULATION
EX PS	EX PS	EXISTING PRESSURE SEWER RETICULATION
SW	SW	STORMWATER PIPEWORK
SV	SV	STOP VALVE
HYD.	HYD.	HYDRANT
FL HYD.	FL HYD.	FLUSHING HYDRANT
Property Service Connection Symbol		PROPERTY SERVICE CONNECTION
Lay Water Main Over Stormwater Pipe Symbol		LAY WATER MAIN OVER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
Proposed Easement Symbol		PROPOSED EASEMENT
Subdivision Stage Boundary Symbol		SUBDIVISION STAGE BOUNDARY

RECYCLED WATER PROPERTY SERVICE CONNECTIONS
 TOTAL 40 CONNECTIONS
 • SINGLE SERVICES IN ACCORDANCE WITH WAT-1106-V
 -27 x SHORT SIDE
 -9 x LONG SIDE
 • SPLIT SERVICES IN ACCORDANCE WITH WAT-1107-V
 -2 x SHORT SIDE
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RECYCLED WATER PIPE DATA

PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN100	PVC-M PN16	826
DN25 (LATERAL)	PE100 PN16	230

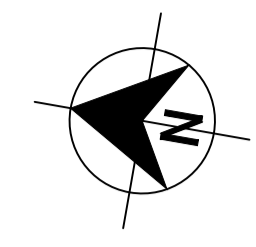
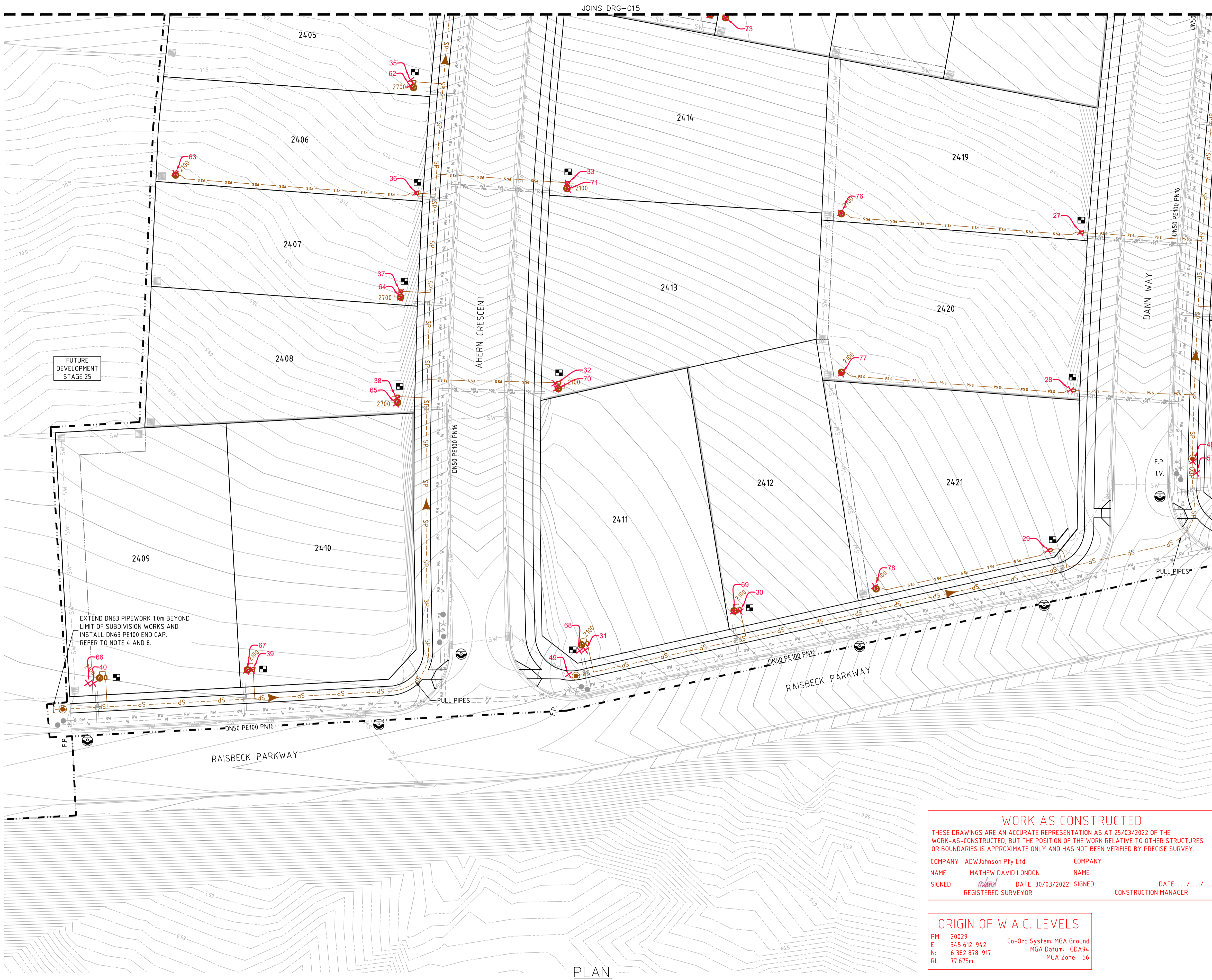
- NOTES:**
- LOCALLY PULL PIPES TO AVOID ANY POTENTIAL CLASH WITH STORMWATER PIT.
 - FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
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 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY FLUSHING HYDRANT LINKING THESE STAGES IS NOT REQUIRED.

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

PLAN SCALE 1:250
 JOINS DRG-011

<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>29.03.2021</td> <td>PRELIMINARY ISSUE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> <td rowspan="5"> A1 / A3 1:250 / 1:500 </td> </tr> <tr> <td>B</td> <td>22.05.2021</td> <td>FOR APPROVAL</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>C</td> <td>06.06.2021</td> <td>SURFACE AND SEWER POT DETAILS UPDATE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>0</td> <td>07.07.2021</td> <td>CONSTRUCTION ISSUE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>1</td> <td>24.08.2021</td> <td>WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>2</td> <td>24.09.2021</td> <td>POT SIZE ALTERATION (SHEET 015 - LOT 2439)</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>3</td> <td>30.03.2022</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>S.S.</td> <td>T.S.</td> <td>C.B.</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	 A1 / A3 1:250 / 1:500	B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	0	07.07.2021	CONSTRUCTION ISSUE	G.S.	C.B.	T.S.	C.B.	1	24.08.2021	WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	2	24.09.2021	POT SIZE ALTERATION (SHEET 015 - LOT 2439)	G.S.	C.B.	T.S.	C.B.	3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	<p>ALL DIMENSIONS ARE IN METRES. 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@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p>	<p>PROPERTY DESCRIPTION</p> <p>PROPOSED SUBDIVISION STAGE 24 HUNTLEE</p>	<p>PROJECT</p> <p>POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p>	<p>PLAN TITLE</p> <p>RECYCLED WATER DETAIL PLAN - SHEET 4</p>	<p>PROJECT No.</p> <p>240037(24)</p>	<p>DISCIPLINE</p> <p>- WAC -</p>	<p>NUMBER</p> <p>012</p>	<p>REV.</p> <p>3</p>
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- LEGEND**
- SP PE PRESSURE SEWER RETICULATION
 - PS S PE PRESSURE SEWER PROPERTY SERVICE
 - PWS PVC-M POTABLE WATER RETICULATION
 - PWS POTABLE WATER PROPERTY SERVICE
 - RW PVC-M RECYCLED WATER RETICULATION
 - RWS RECYCLED WATER PROPERTY SERVICE
 - EX PS EXISTING PRESSURE SEWER RETICULATION
 - EX PW EXISTING POTABLE WATER RETICULATION
 - EX RW EXISTING RECYCLED WATER RETICULATION
 - SW STORMWATER PIPEWORK
 - I.V. ISOLATION VALVE
 - I.V. (NC) ISOLATION VALVE - NORMALLY CLOSED
 - F.P. FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER FLOW DIRECTION (SEE NOTE 7)
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS**
 TOTAL 40 CONNECTIONS
 • SINGLE SERVICES
 -31 x SHORT SIDE
 -9 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 SDR11	528
DN63	PE100 SDR11	66
DN75	PE100 SDR11	39
DN40 (LATERAL)	PE100 SDR11	750

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 AND 012.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 - 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).
 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY TERMINAL FLUSHING POINT LINKING STAGES IS NOT REQUIRED.

WORK AS CONSTRUCTED

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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME MATHEW DAVID LONDON NAME
 SIGNED *mathew* DATE 30/03/2022 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
 E: 345 612 942 MGA Datum: GDA94
 N: 6 382 878 917 MGA Zone: 56
 RL: 77.675m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	0 5 10 A1 / A3 1:250 / 1:500	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	PROPOSED SUBDIVISION STAGE 24 HUNTLEE	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION	PRESSURE SEWER DETAIL PLAN - SHEET 1	240037(24)	- WAC -	014	3
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.									
C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.									
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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.									

240037(24)-WAC-017

100mm AT FULL SIZE

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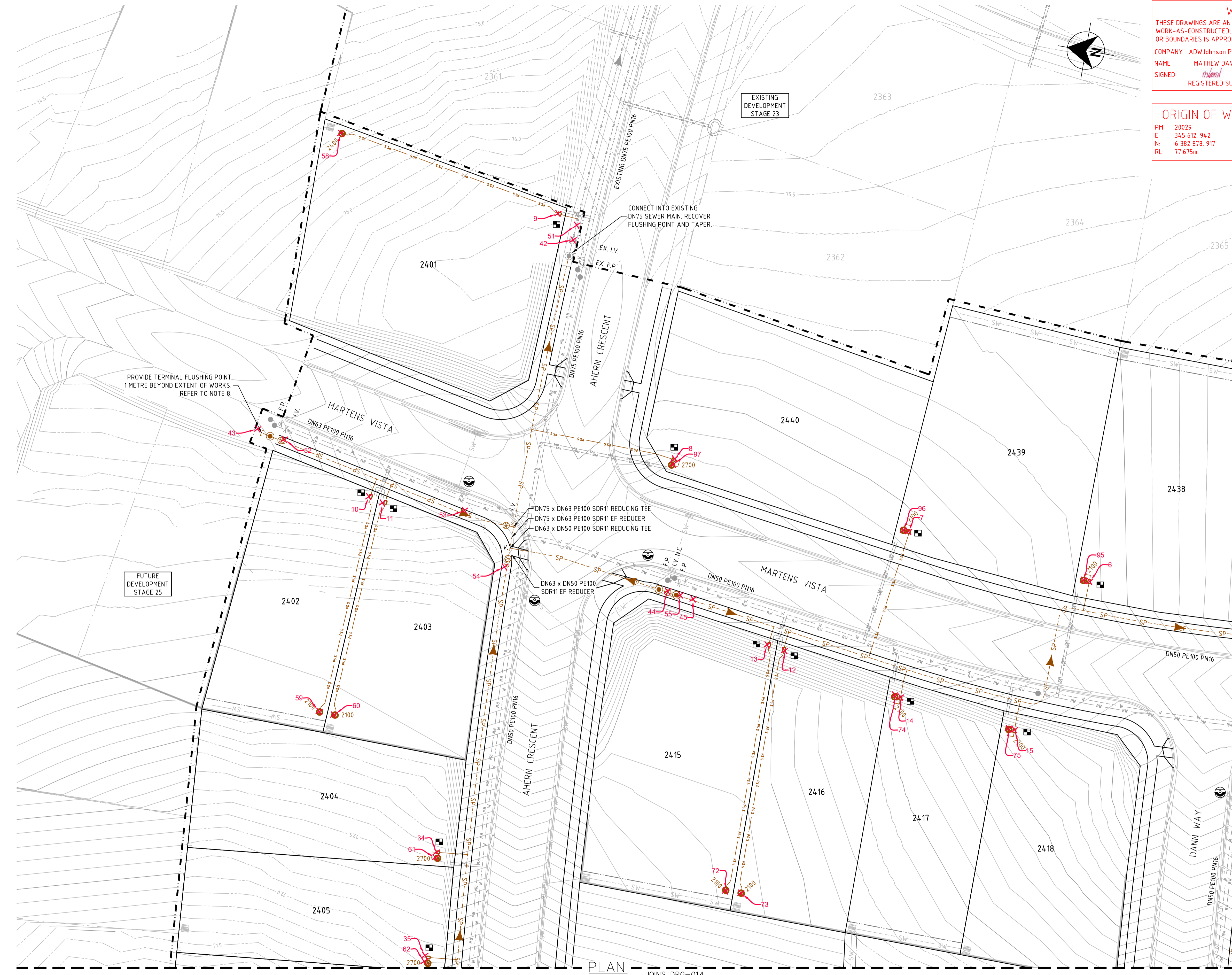
COMPANY ADW Johnson Pty Ltd
 NAME MATHEW DAVID LONDON
 SIGNED [Signature] DATE 30/03/2022 REGISTERED SURVEYOR

COMPANY NAME
 SIGNED [Signature] DATE
 CONSTRUCTION MANAGER



ORIGIN OF W.A.C. LEVELS
 PH 20029
 E 345 612.942
 N 6 382 878.917
 RL 77.675m

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



- LEGEND**
- SP PE PRESSURE SEWER RETICULATION
 - PS S PE PRESSURE SEWER PROPERTY SERVICE
 - PWS POTABLE WATER RETICULATION
 - PWS POTABLE WATER PROPERTY SERVICE
 - RW PVC-M RECYCLED WATER RETICULATION
 - RWS RECYCLED WATER PROPERTY SERVICE
 - EX PS EXISTING PRESSURE SEWER RETICULATION
 - EX PW EXISTING POTABLE WATER RETICULATION
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 - SW STORMWATER PIPEWORK
 - I.V. ISOLATION VALVE
 - I.V. (NC) ISOLATION VALVE - NORMALLY CLOSED
 - F.P. FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER FLOW DIRECTION (SEE NOTE 7)
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 40 CONNECTIONS
 • SINGLE SERVICES
 -31 x SHORT SIDE
 -9 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 SDR11	528
DN63	PE100 SDR11	66
DN75	PE100 SDR11	39
DN40 (LATERAL)	PE100 SDR11	750

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 AND 012.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 - 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).
 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY TERMINAL FLUSHING POINT LINKING STAGES IS NOT REQUIRED.

APPROVED FOR CONSTRUCTION
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 Date Approved: 07/07/2021

AS CONSTRUCTED

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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

adw Johnson

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

CLIENT

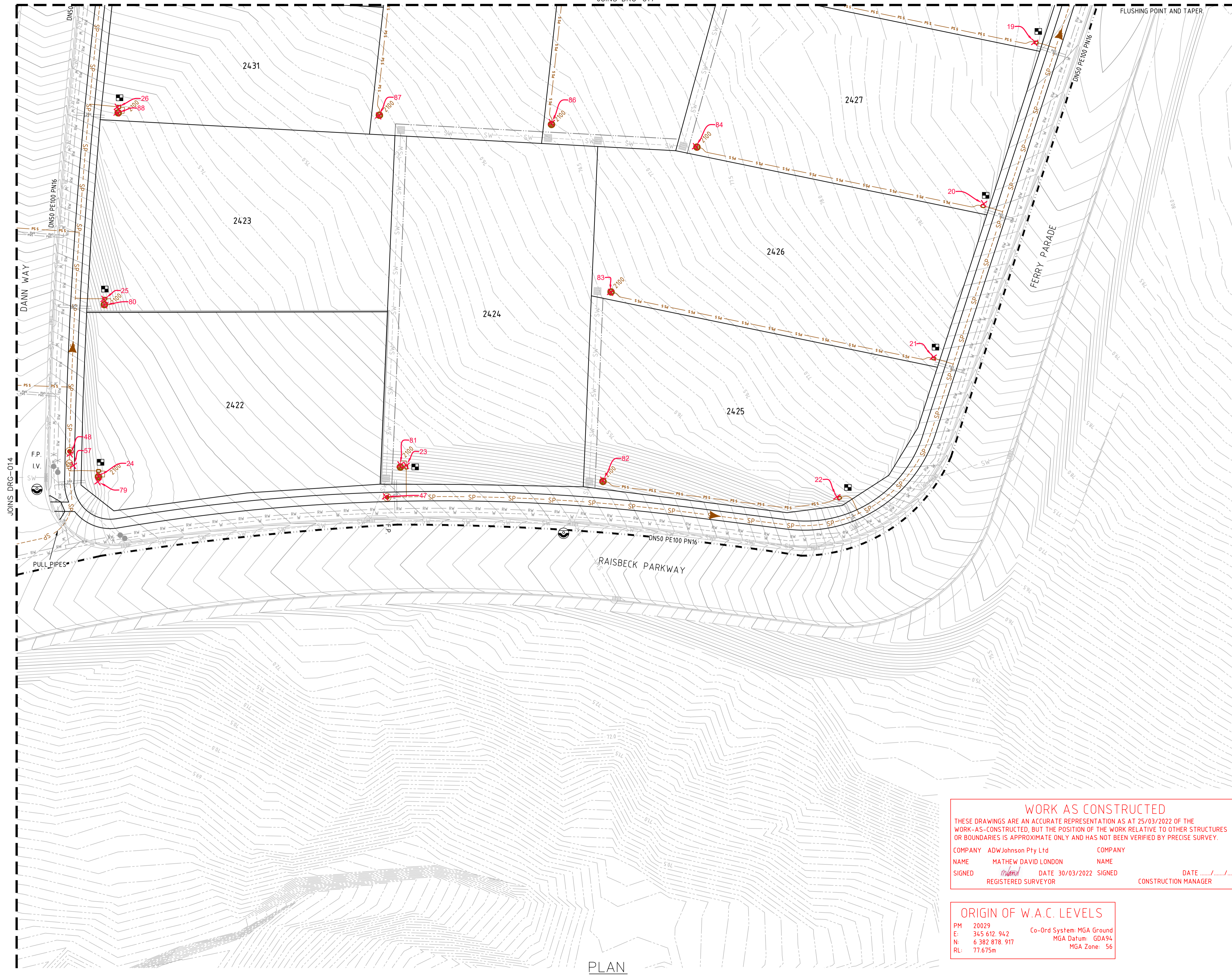
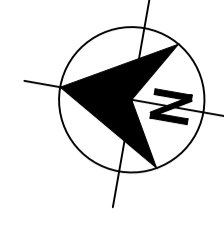
altogether.

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd
 DATUM MGA56 GDA94 - A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 2		
PROJECT No.	240037(24)	DISCIPLINE	WAC - 015
NUMBER		REV.	3



- LEGEND**
- SP SP PE PRESSURE SEWER RETICULATION
 - PS S PS S PE PRESSURE SEWER PROPERTY SERVICE
 - PWS PWS PWS PVC-M POTABLE WATER RETICULATION
 - PWS PWS PWS POTABLE WATER PROPERTY SERVICE
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 - SW SW STORMWATER PIPEWORK
 - I.V. ISOLATION VALVE
 - I.V. (NC) ISOLATION VALVE - NORMALLY CLOSED
 - F.P. FLUSHING POINT
 - WASTEWATER COLLECTION TANK AND BOUNDARY KIT
 - PRESSURE SEWER FLOW DIRECTION (SEE NOTE 7)
 - PROPERTY SERVICE CONNECTION
 - LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
 - PROPOSED EASEMENT
 - SUBDIVISION STAGE BOUNDARY

- PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
- TOTAL 40 CONNECTIONS
- SINGLE SERVICES
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PRESSURE SEWER PIPE DATA		
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- NOTES:**
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 - FOR FLUSHING POINT TYPICAL DETAILS REFER TO STANDARD DRAWING PSS-1017-FS.
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COMPANY ADW Johnson Pty Ltd COMPANY
 NAME MATHEW DAVID LONDON NAME
 SIGNED *MatheW* DATE 30/03/2022 SIGNED _____ DATE _____
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
 E: 345 612 942 MGA Datum: GDA94
 N: 6 382 878 917 MGA Zone: 56
 RL: 77.675m

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

PLAN SCALE 1:250

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	 A1 / A3 1:250 / 1:500
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	
C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
0	07.07.2021	CONSTRUCTION ISSUE	G.S.	C.B.	T.S.	C.B.	
1	24.08.2021	WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
2	24.09.2021	POT SIZE ALTERATION (SHEET 015 - LOT 2439)	G.S.	C.B.	T.S.	C.B.	
3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

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

CLIENT

PROPERTY DESCRIPTION

PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd DATUM MGA56 GDA94 - A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION

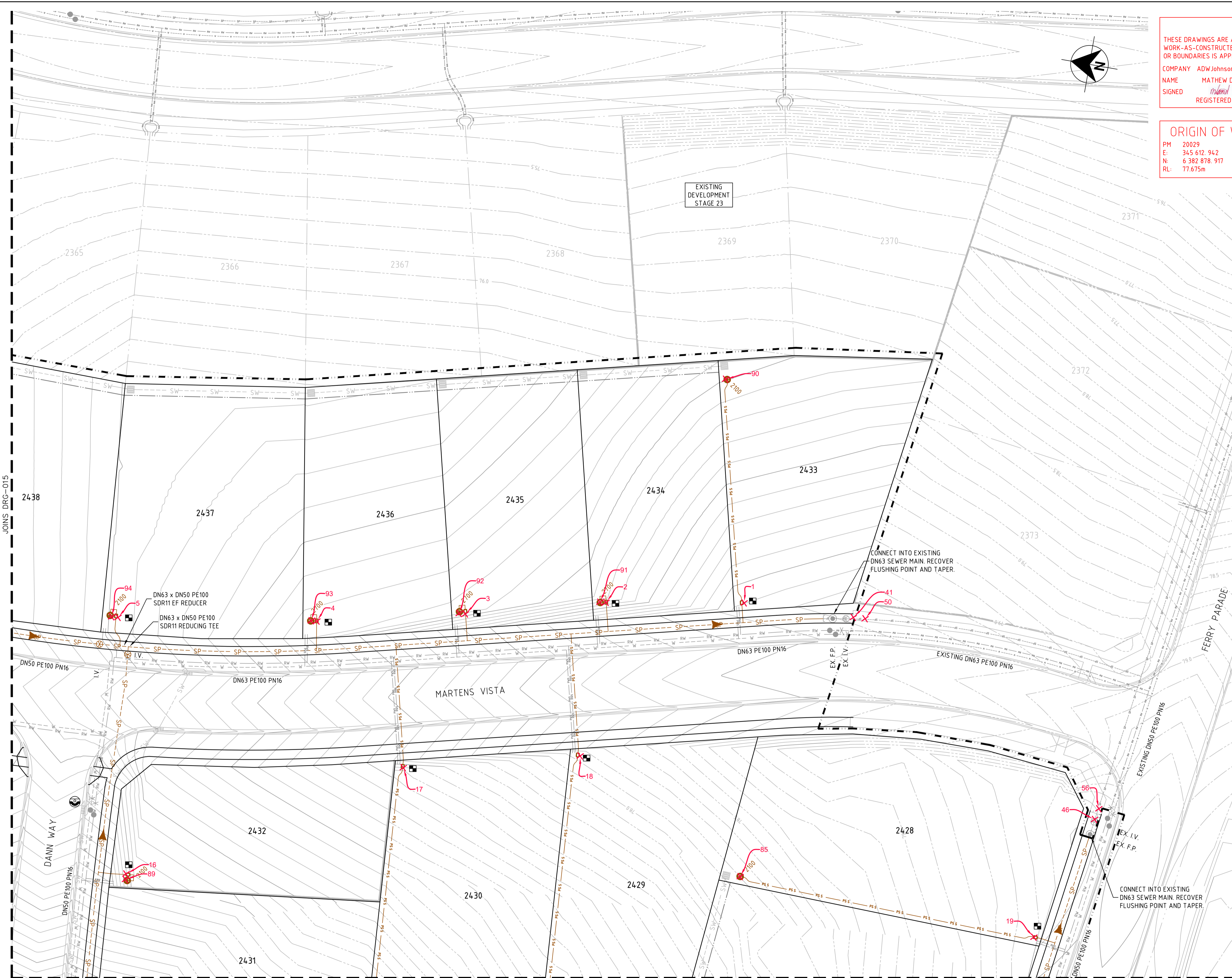
PLAN TITLE PRESSURE SEWER DETAIL PLAN - SHEET 3

PROJECT No. 240037(24) DISCIPLINE - WAC - NUMBER 016 REV. 3

240037(24)-WAC-017

JOINS DRG-015

100mm AT FULL SIZE



WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 25/03/2022 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 MATHEW DAVID LONDON
 SIGNED *mathew* DATE 30/03/2022 REGISTERED SURVEYOR

COMPANY NAME
 SIGNED _____ DATE _____ CONSTRUCTION MANAGER



ORIGIN OF W.A.C. LEVELS

PM 20029
 E 365 612.942
 N 6 382 878.917
 RL 77.675m

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

LEGEND

- SP PE PRESSURE SEWER RETICULATION
- PS S PE PRESSURE SEWER PROPERTY SERVICE
- PWS PVC-M POTABLE WATER RETICULATION
- PWS POTABLE WATER PROPERTY SERVICE
- RW PVC-M RECYCLED WATER RETICULATION
- RWS RECYCLED WATER PROPERTY SERVICE
- EX PS EXISTING PRESSURE SEWER RETICULATION
- EX PW EXISTING POTABLE WATER RETICULATION
- EX RW EXISTING RECYCLED WATER RETICULATION
- SW STORMWATER PIPEWORK
- I.V. ISOLATION VALVE
- I.V. (NC) ISOLATION VALVE - NORMALLY CLOSED
- F.P. FLUSHING POINT
- WASTEWATER COLLECTION TANK AND BOUNDARY KIT
- PRESSURE SEWER FLOW DIRECTION (SEE NOTE 7)
- PROPERTY SERVICE CONNECTION
- LAY PRESSURE SEWER MAIN UNDER STORMWATER PIPE (300mm MIN. VERTICAL CLEARANCE) - REFER TO WAT-1255-H
- PROPOSED EASEMENT
- SUBDIVISION STAGE BOUNDARY

■ PRESSURE SEWER PROPERTY SERVICE CONNECTIONS
 TOTAL 40 CONNECTIONS
 • SINGLE SERVICES
 -31 x SHORT SIDE
 -9 x LONG SIDE

PRESSURE SEWER PIPE DATA		
PIPE SIZE (mm)	PIPE MATERIAL	TOTAL LENGTH (m)
DN50	PE100 SDR11	528
DN63	PE100 SDR11	66
DN75	PE100 SDR11	39
DN40 (LATERAL)	PE100 SDR11	750

- NOTES:**
- FOR POTABLE WATER PIPEWORK DETAIL PLANS REFER TO DRGS-004 TO 007.
 - FOR RECYCLED WATER PIPEWORK DETAIL PLANS REFER TO DRGS-009 AND 012.
 - FOR TYPICAL SERVICE CONNECTION DETAILS REFER TO DRG-020.
 - 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).
 - WHERE STAGES ARE BUILT CONCURRENTLY, ANY TERMINAL FLUSHING POINT LINKING STAGES IS NOT REQUIRED.

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

PLAN SCALE 1:250 JOINS DRG-016

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	
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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

DESIGN FILE N:\
 Plotted By: shanes Plot Date: 28/04/22 - 09:59 Cad File: \\jserver10\adw-data\240072\DWG\Water & Sewer\Stage 24-WAC\240037(24)-WAC-017.dwg

Hunter Office
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 www.adwjohnson.com.au
 ABN 62 129 445 398



CLIENT
 PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE

SURVEYED DALY.SMITH Pty Ltd DATUM MGA56 GDA94 - A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	PRESSURE SEWER DETAIL PLAN - SHEET 4		
PROJECT No.	240037(24)	DISCIPLINE	- WAC -
NUMBER	017	REV.	3



Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 59 rows of data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 118 rows of data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 177 rows of data.

Point Table with columns: Point #, Eastings, Northings, Levels, Codes. Contains 224 rows of data.

WORK AS CONSTRUCTED
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ORIGIN OF W.A.C. LEVELS
PM 20029
E 345 612.942
N 6 382 878.917
RL 77.675m

APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd
Date Approved: 07/07/2021

AS CONSTRUCTED

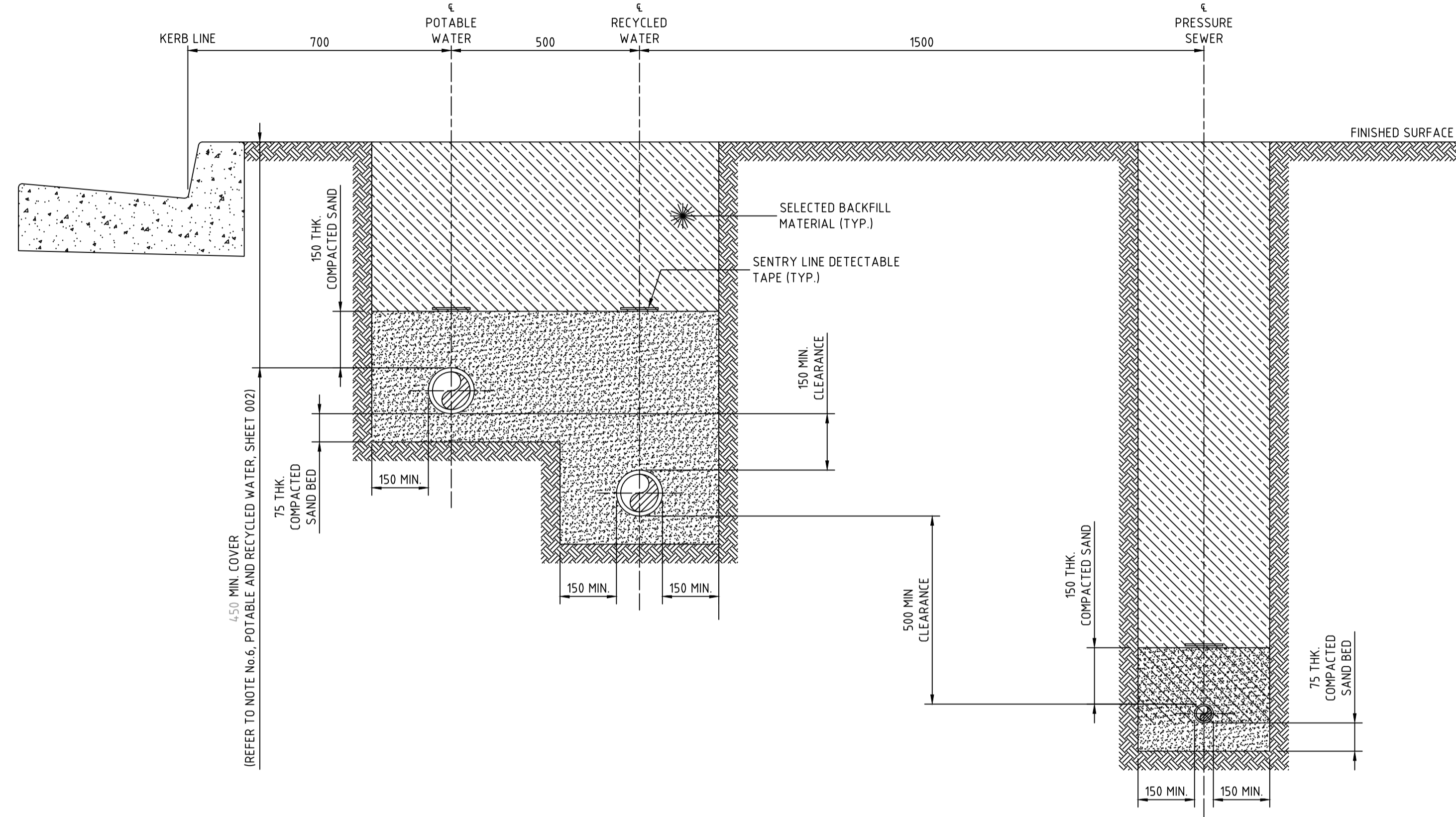
Table with columns: REV., DATE, AMENDMENT, DRAWN, CHECK, DESIGN, VERIFY, SCALES. Contains revision history.

adw Johnson logo and Hunter Office contact information.

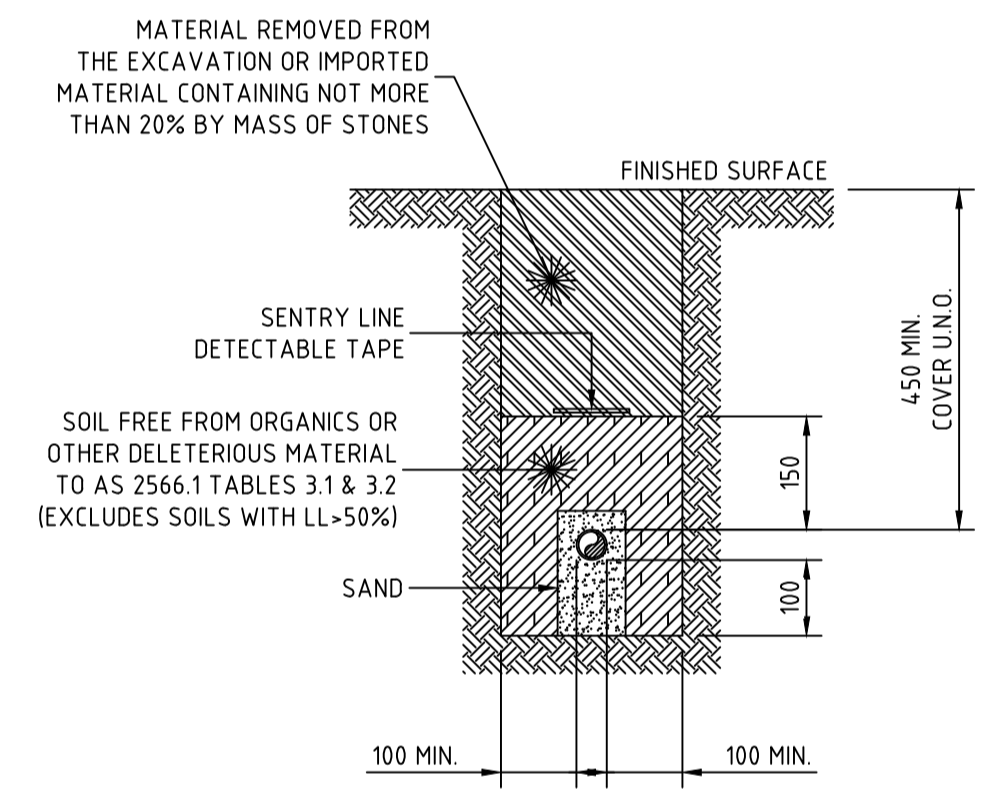
altogether logo.

PROPERTY DESCRIPTION: PROPOSED SUBDIVISION STAGE 24 HUNTLEE

PROJECT: POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION. PLAN TITLE: FITTINGS TABLE. PROJECT No: 240037(24). DISCIPLINE: WAC. NUMBER: 018. REV: 3.



STREET PRESSURE MAIN
TYPICAL DETAIL
SCALE 1:10



PRIVATE PROPERTY PRESSURE MAIN
TYPICAL DETAIL
SCALE 1:10

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

WORK AS CONSTRUCTED
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 COMPANY ADW Johnson Pty Ltd
 NAME MATHEW DAVID LONDON
 SIGNED [Signature] DATE 30/03/2022 REGISTERED SURVEYOR
 NAME [Signature]
 SIGNED [Signature] DATE [Signature] CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM: 20029
 E: 345 612.942
 N: 6 382 878.917
 RL: 77.675m
 Co-Ord System: MGA Ground
 MGA Datum: GDA94
 MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

100mm AT FULL SIZE

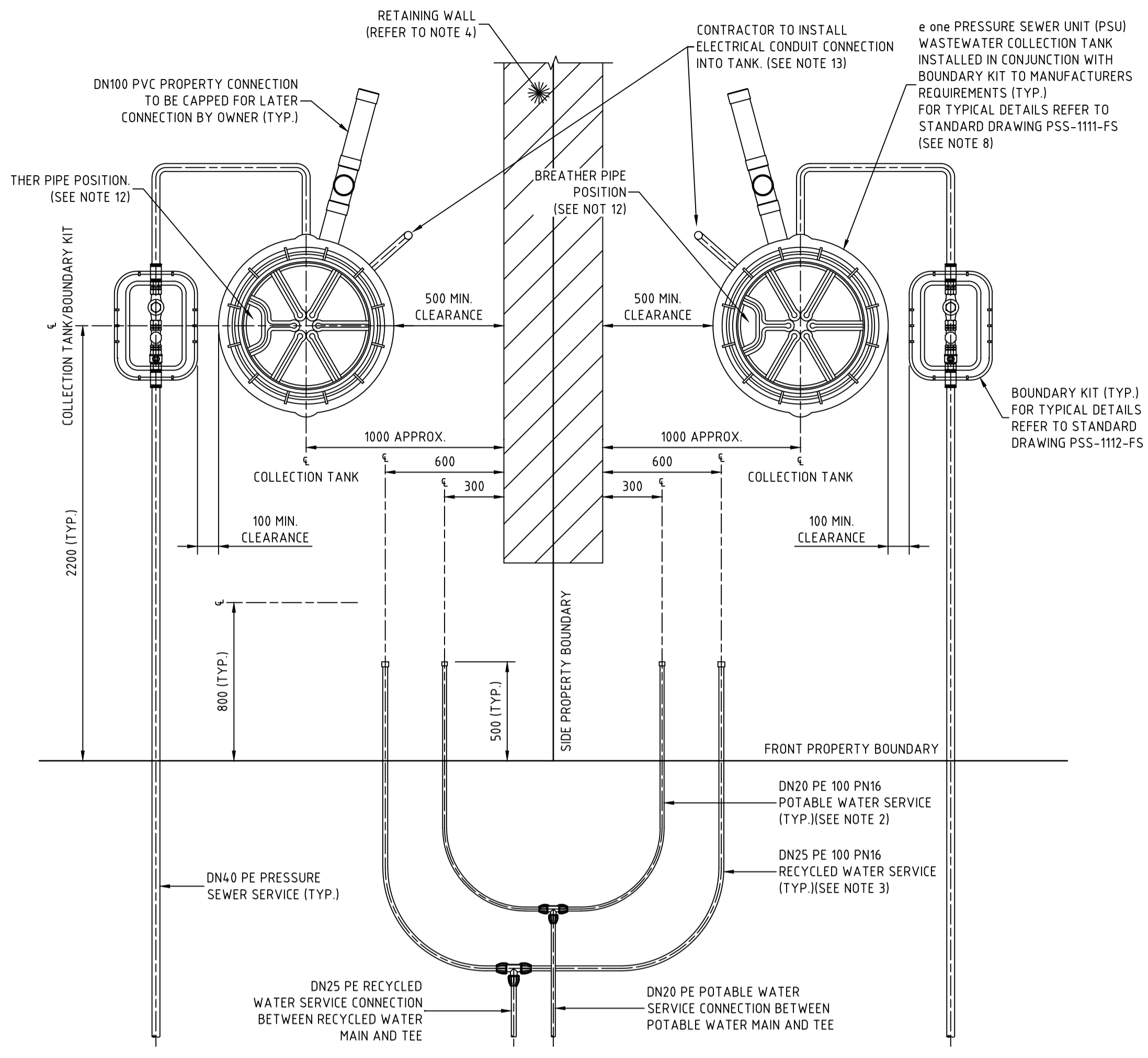
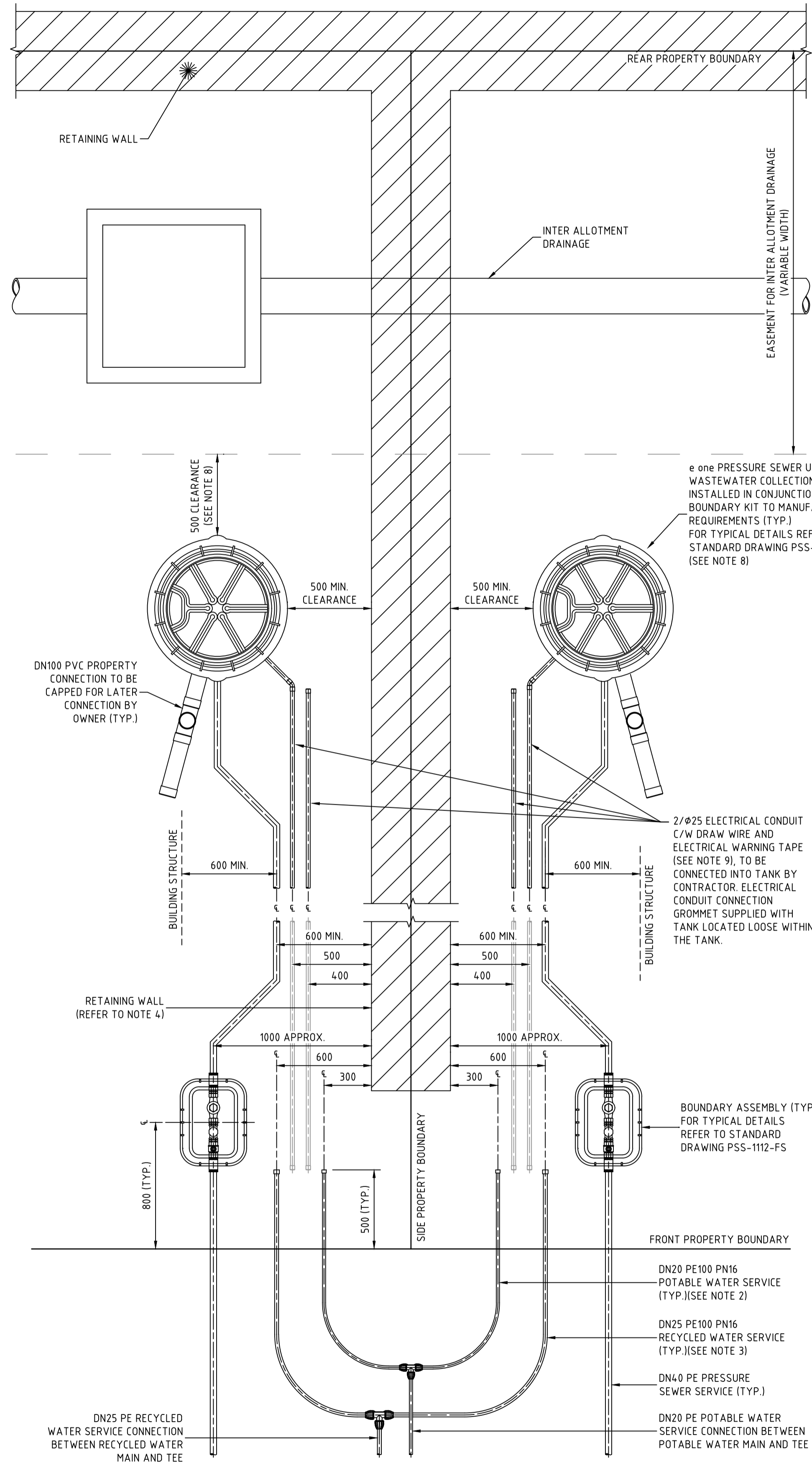
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3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	

adw Johnson
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CLIENT

PROPERTY DESCRIPTION
 PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE
 SURVEYED DALY.SMITH Pty Ltd
 DATUM MGA56 GDA94 - A.H.D.

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	TYPICAL PIPEWORK TRENCHING DETAILS		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(24)	- WAC -	019	3



- NOTES:**
- PROPERTY SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH WSA STANDARD DRAWINGS FOR DUAL WATER SUPPLY SYSTEMS (SYDNEY WATER VERSION) (SUPPLEMENT TO WSA 03-2011).
 - DN20 PE100 PN16 POTABLE WATER SERVICE TO EXTEND 500mm BEYOND PROPERTY BOUNDARY AND BE CAPPED FOR LATER CONNECTION BY PROPERTY OWNER.
 - DN25 PE100 PN16 RECYCLED WATER SERVICE TO EXTEND 500mm BEYOND PROPERTY BOUNDARY AND BE CAPPED FOR LATER CONNECTION BY PROPERTY OWNER.
 - FOR PROPERTY CONNECTIONS WHERE A RETAINING WALL IS NOT PRESENT, SERVICES ARE TO BE OFFSET FROM THE PROPERTY BOUNDARY.
 - WHERE SERVICE CONNECTIONS ARE LOCATED ADJACENT TO TELSTRA PITS/ELECTRICAL PILLARS, A MINIMUM CLEARANCE OF 200mm BETWEEN PITS AND SERVICE PIPEWORK IS TO BE MAINTAINED.
 - MINIMUM BENDING RADIUS FOR PE PIPEWORK IS TO BE 20 x PIPE DIAMETER.
 - ALL POLYETHYLENE FITTINGS SHALL BE JOINED USING ELECTROFUSION JOINTING TECHNIQUES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ROTATE BENDS AS NECESSARY.
 - PRESSURE SEWER UNIT (PSU) IS TO HAVE 500mm CLEARANCE FROM INTER ALLOTMENT DRAINAGE EASEMENT (IF PRESENT), REAR PROPERTY BOUNDARY RETAINING WALL (IF PRESENT) OR REAR PROPERTY BOUNDARY. PRESSURE SEWER UNIT (PSU) IS TO HAVE 2150mm CLEARANCE FROM BUILDING STRUCTURES.
 - Ø25 ELECTRICAL CONDUIT IS TO EXTEND FROM CONNECTION WITH PRESSURE SEWER UNIT (PSU) TO NOM. 500mm INSIDE FRONT PROPERTY BOUNDARY AND BE CAPPED. ELECTRICAL CONDUIT IS TO BE HEAVY DUTY ORANGE. ALL CONDUIT BENDS ARE TO BE LARGE RADIUS SWEEP BENDS.
 - FOR MORE INFORMATION REFER TO FLOW SYSTEMS STANDARD DRAWING FSI-1000-FS.
 - FOR ALTERNATE TANK AND BOUNDARY CONFIGURATIONS, AND DETAILS FOR TANKS INSTALLED ON PROPERTIES WITH BATTERS AND RETAINING WALLS, REFER TO FLOW SYSTEMS STANDARD DRAWINGS FSI-SK03A-FS AND FSI-SK03B-FS.
 - POSITION TANK LID SUCH THAT BREATHER PIPE LOCATION IS ON THE DOWNSLOPE SIDE OF THE BLOCK WHERE POSSIBLE.
 - CONTRACTOR TO INSTALL ELECTRICAL CONDUIT CONNECTION. 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.

WORK AS CONSTRUCTED
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COMPANY ADW Johnson Pty Ltd COMPANY
NAME MATHEW DAVID LONDON NAME
SIGNED *mathew* DATE 30/03/2022 SIGNED DATE
REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS

PM 20029 Co-Ord System: MGA Ground
E: 345 612 942 MGA Datum: GDA94
N: 6 382 878. 917 MGA Zone: 56
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**APPROVED FOR CONSTRUCTION
BY ADW Johnson Pty Ltd**
Date Approved: 07/07/2021

AS CONSTRUCTED

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	0 0.1 0.2 0.3 0.4 A1 / A3
B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	1:10 / 1:20
C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	0 0.4 0.8 A1 / A3
0	07.07.2021	CONSTRUCTION ISSUE	G.S.	C.B.	T.S.	C.B.	1:20 / 1:40
1	24.08.2021	WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	
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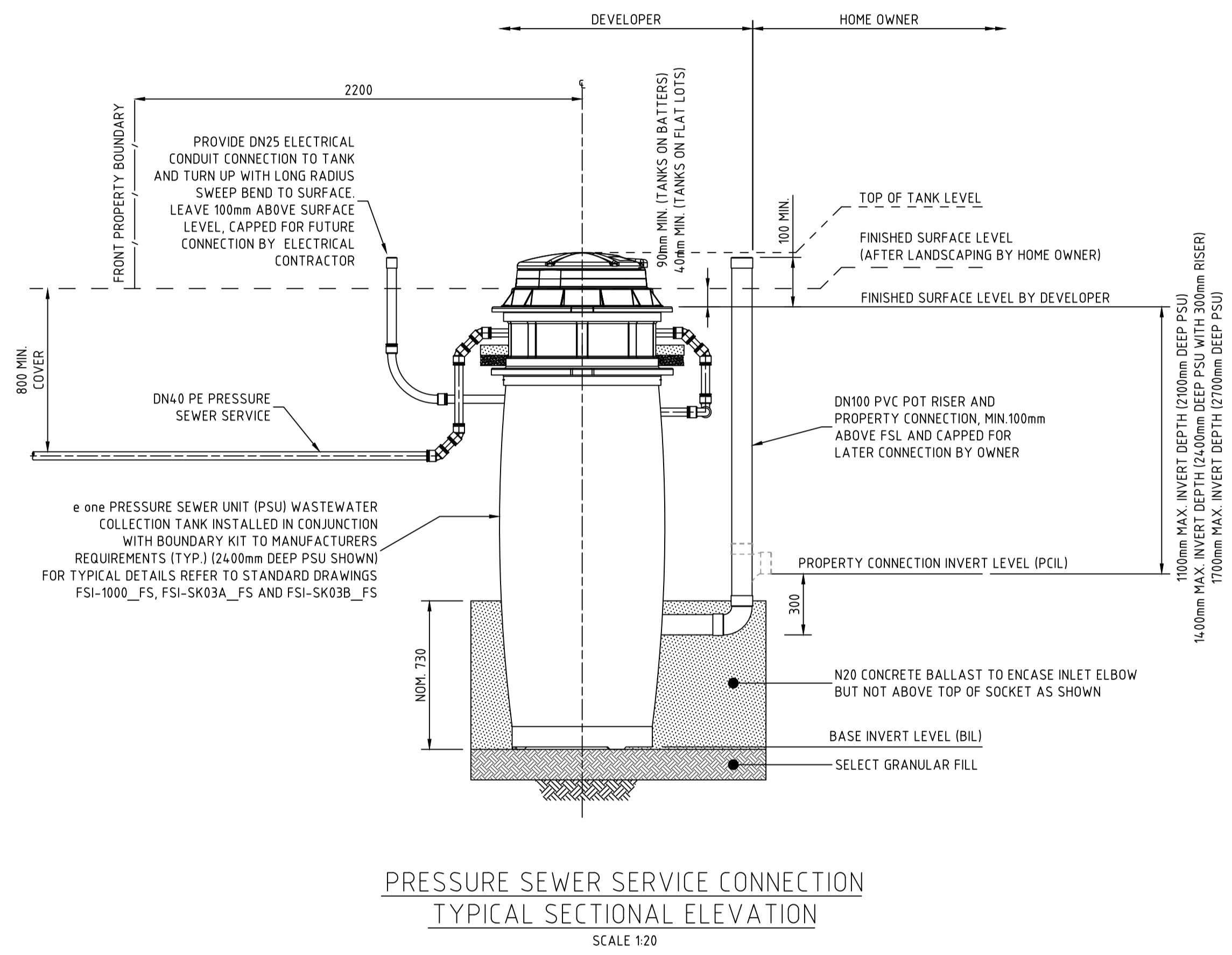
PROPERTY DESCRIPTION
PROPOSED SUBDIVISION
STAGE 24
HUNTLEE

PROJECT	POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION		
PLAN TITLE	TYPICAL SERVICE CONNECTION DETAILS		
PROJECT No.	DISCIPLINE	NUMBER	REV.
240037(24)	- WAC -	020	3



WASTEWATER COLLECTION TANK DETAILS

LOT NUMBER	TOP OF TANK	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
2401	75.56	73.43	74.33	2100	REAR	346288.61	638254.136	75.48	74.17	-0.16
2402	74.29	72.16	73.06	2100	REAR	346215.21	6382531.34	74.23	72.91	-0.15
2403	74.30	72.17	73.07	2100	REAR	346215.17	6382529.34	74.23	72.91	-0.16
2404	72.76	70.03	70.93	2700	FRONT	346199.40	6382513.23	72.62	70.71	-0.22
2405	72.13	69.40	70.30	2700	FRONT	346185.94	6382512.12	71.99	70.07	-0.23
2406	70.65	68.52	69.42	2100	REAR	346169.55	6382540.30	70.57	69.26	-0.16
2407	70.57	67.84	68.74	2700	FRONT	346159.11	6382509.08	70.39	68.47	-0.27
2408	69.47	66.74	67.64	2700	FRONT	346145.72	6382507.11	69.30	67.39	-0.25
2409	68.14	66.01	66.91	2100	FRONT	346104.18	6382538.69	68.07	66.76	-0.15
2410	68.26	66.13	67.03	2100	FRONT	346108.50	6382520.17	68.22	66.91	-0.12
2411	68.46	66.03	66.93	2400	FRONT	346119.13	6382478.41	68.33	66.71	-0.22
2412	69.27	67.14	68.04	2100	FRONT	346126.84	6382459.83	69.12	67.81	-0.23
2413	69.60	67.47	68.37	2100	FRONT	346151.05	6382487.06	69.46	68.15	-0.22
2414	71.40	69.27	70.17	2100	FRONT	346176.57	6382490.44	71.28	69.96	-0.21
2415	73.92	71.79	72.69	2100	REAR	346201.78	6382476.17	73.83	72.52	-0.17
2416	73.95	71.82	72.72	2100	REAR	346201.75	6382474.17	73.84	72.52	-0.20
2417	75.03	72.30	73.20	2700	FRONT BATTER	346229.92	6382459.17	74.98	73.06	-0.14
2418	75.32	72.59	73.49	2700	FRONT	346228.34	6382444.08	75.28	73.37	-0.12
2419	71.94	69.81	70.71	2100	REAR	346179.52	6382455.12	71.83	70.51	-0.20
2420	70.84	68.71	69.61	2100	REAR	346159.44	6382451.56	70.73	69.41	-0.20
2421	70.04	67.91	68.81	2100	REAR	346132.80	6382442.35	69.97	68.66	-0.15
2422	71.82	69.69	70.59	2100	FRONT	346153.76	6382400.98	71.62	70.30	-0.29
2423	72.79	70.66	71.56	2100	FRONT	346175.60	6382404.05	72.72	71.40	-0.16
2424	73.70	71.57	72.47	2100	FRONT BATTER	346161.70	6382363.11	73.58	72.27	-0.20
2425	74.30	72.17	73.07	2100	REAR	346164.40	6382337.25	74.23	72.92	-0.15
2426	76.47	74.34	75.24	2100	REAR	346188.46	6382340.44	76.42	75.10	-0.14
2427	77.44	75.31	76.21	2100	REAR	346208.63	6382332.83	77.40	76.09	-0.12
2428	78.29	76.16	77.06	2100	REAR	346230.45	6382330.81	78.28	76.96	-0.10
2429	76.57	74.44	75.34	2100	REAR	346208.25	6382351.67	76.49	75.17	-0.17
2430	75.63	73.50	74.40	2100	REAR	346205.59	6382373.58	75.54	74.22	-0.18
2431	74.36	72.23	73.13	2100	FRONT	346200.08	6382406.57	74.26	72.95	-0.18
2432	76.04	73.91	74.81	2100	FRONT	346216.37	6382407.71	75.88	74.57	-0.24
2433	77.58	75.45	76.35	2100	REAR	346292.53	6382343.43	77.52	76.20	-0.15
2434	77.96	75.23	76.13	2700	FRONT	346261.74	6382354.43	77.91	75.99	-0.14
2435	77.52	74.79	75.69	2700	FRONT	346257.46	6382371.92	77.46	75.55	-0.14
2436	77.38	74.65	75.55	2700	FRONT	346253.02	6382390.39	77.33	75.42	-0.13
2437	76.64	74.21	75.11	2400	FRONT	346249.27	6382415.70	76.63	75.01	-0.10
2438	75.97	73.84	74.74	2100	FRONT	346248.78	6382437.95	75.88	74.57	-0.17
2439	75.58	73.45	74.35	2100	FRONT	346251.09	6382461.76	75.43	74.12	-0.23
2440	75.37	72.94	73.84	2400	FRONT	346254.16	6382492.45	75.25	73.64	-0.20



PRESSURE SEWER SERVICE CONNECTION
TYPICAL SECTIONAL ELEVATION
SCALE 1:20

WASTEWATER COLLECTION TANK COUNT

TANK SIZE	NUMBER OF
2100	28
2400	3
2700	9

WORK AS CONSTRUCTED
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 COMPANY: ADW Johnson Pty Ltd
 NAME: MATHEW DAVID LONDON
 SIGNED: [Signature] DATE: 30/03/2022
 REGISTERED SURVEYOR

ORIGIN OF W.A.C. LEVELS
 PM: 20029
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 RL: 77.675m
 Co-Ord System: MGA Ground
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AS CONSTRUCTED

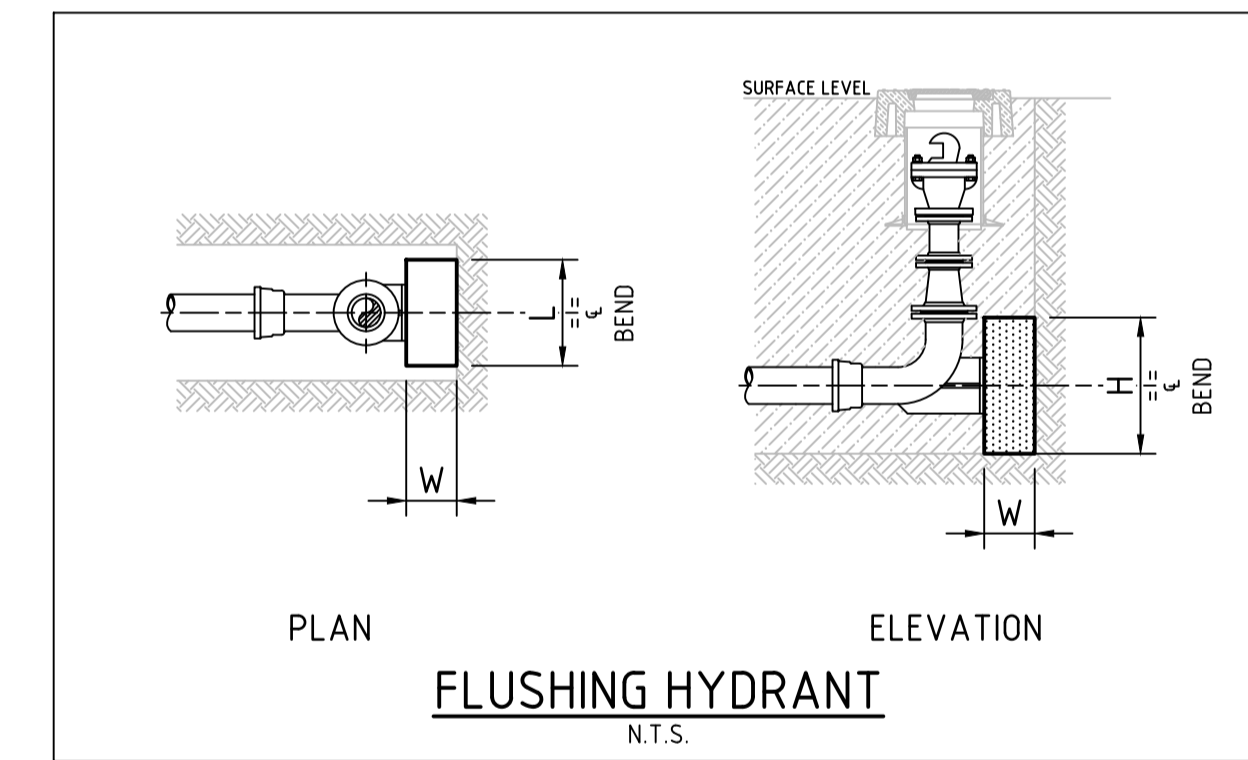
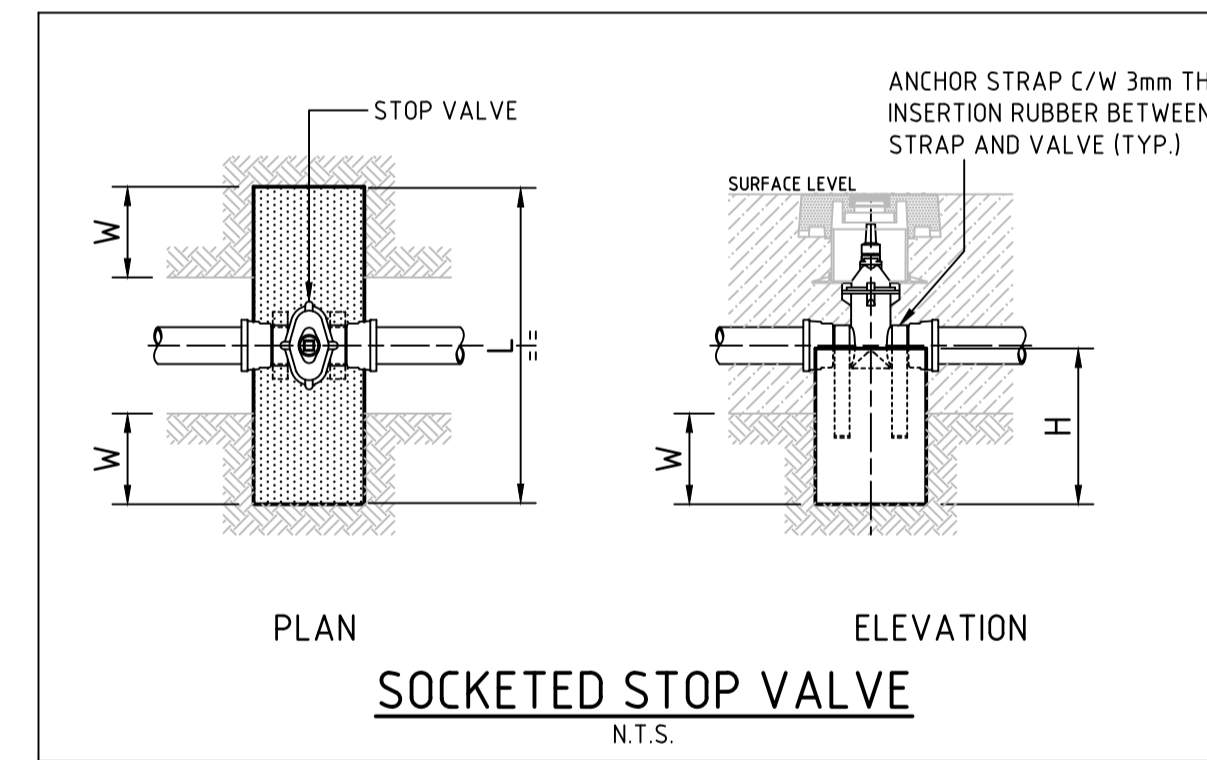
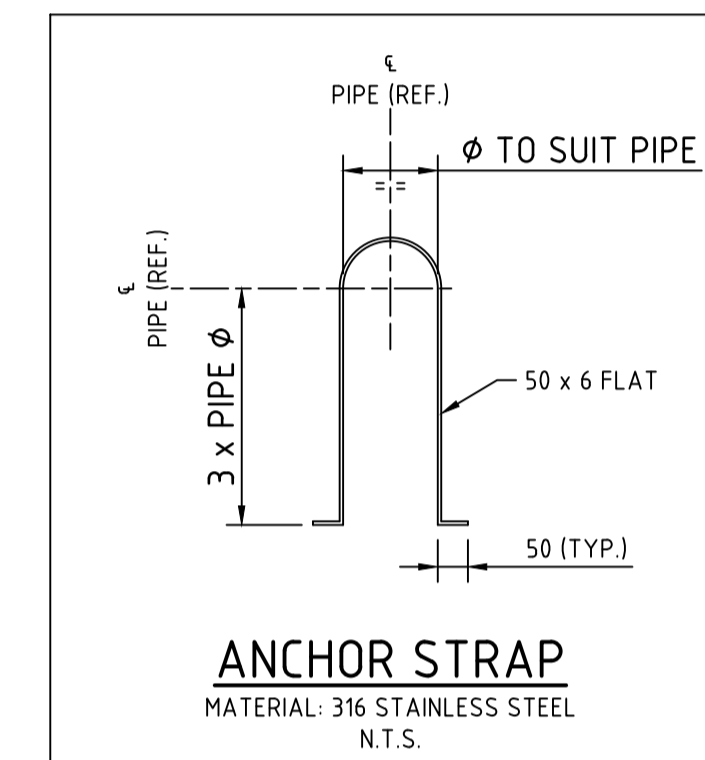
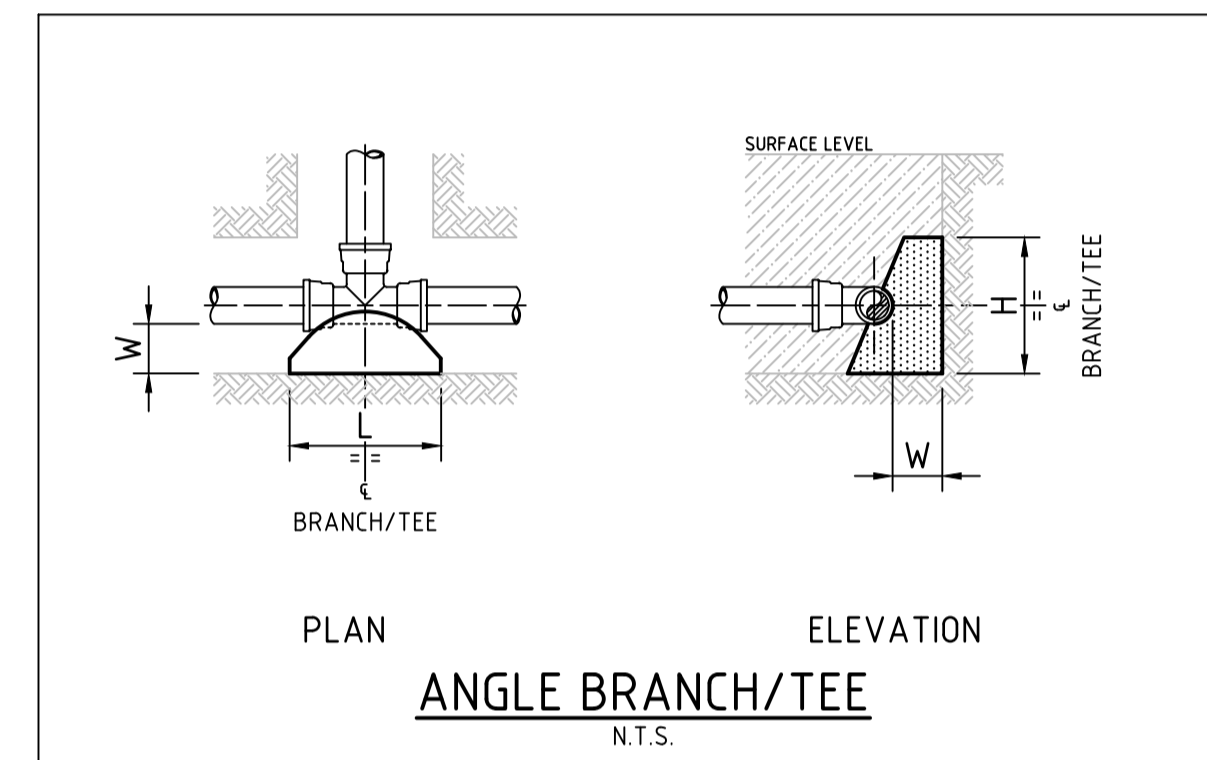
<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>CHECK</th> <th>DESIGN</th> <th>VERIFY</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>29.03.2021</td> <td>PRELIMINARY ISSUE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>B</td> <td>22.05.2021</td> <td>FOR APPROVAL</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>C</td> <td>06.06.2021</td> <td>SURFACE AND SEWER POT DETAILS UPDATE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>0</td> <td>07.07.2021</td> <td>CONSTRUCTION ISSUE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>1</td> <td>24.08.2021</td> <td>WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>2</td> <td>24.09.2021</td> <td>POT SIZE ALTERATION (SHEET 015 - LOT 2439)</td> <td>G.S.</td> <td>C.B.</td> <td>T.S.</td> <td>C.B.</td> </tr> <tr> <td>3</td> <td>30.03.2022</td> <td>WORK AS CONSTRUCTED</td> <td>I.B.</td> <td>S.S.</td> <td>T.S.</td> <td>C.B.</td> </tr> </tbody> </table>	REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	A	29.03.2021	PRELIMINARY ISSUE	G.S.	C.B.	T.S.	C.B.	B	22.05.2021	FOR APPROVAL	G.S.	C.B.	T.S.	C.B.	C	06.06.2021	SURFACE AND SEWER POT DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	0	07.07.2021	CONSTRUCTION ISSUE	G.S.	C.B.	T.S.	C.B.	1	24.08.2021	WASTE WATER COLLECTION TANK LEVEL DETAILS UPDATE	G.S.	C.B.	T.S.	C.B.	2	24.09.2021	POT SIZE ALTERATION (SHEET 015 - LOT 2439)	G.S.	C.B.	T.S.	C.B.	3	30.03.2022	WORK AS CONSTRUCTED	I.B.	S.S.	T.S.	C.B.	<p>ALL DIMENSIONS ARE IN METRES. 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@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p>	<p>PROPERTY DESCRIPTION</p> <p>PROPOSED SUBDIVISION STAGE 24 HUNTLEE</p>	<p>PROJECT: POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION</p> <p>PLAN TITLE: WASTE WATER COLLECTION TANK LEVEL DETAILS</p>
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<p>DESIGN FILE N:\</p>	<p>PLANNED BY: DALY.SMITH Pty Ltd</p>	<p>DATUM: MGA56 GDA94 - A.H.D.</p>	<p>PROJECT No: 240037(24)</p>	<p>DISCIPLINE: - WAC -</p>	<p>NUMBER: 021</p>	<p>REV. 3</p>																																																							



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	DN150 x DN150 EQUAL TEE	100	1000	25.00	0.25	0.50	0.50	0.30
2	DN150 x DN100 REDUCING TEE	100	1000	12.00	0.12	0.40	0.30	0.30
3	DN150 SOCKETED STOP VALVE	100	1000	25.00	0.25	1.05	0.46	0.30
4	DN150 FLUSHING HYDRANT	100	1000	25.00	0.25	0.50	0.50	0.30
5	DN100 x DN100 EQUAL TEE	100	1000	12.00	0.12	0.40	0.30	0.30
6	DN100 SOCKETED STOP VALVE	100	1000	12.00	0.12	1.05	0.44	0.30
7	DN100 FLUSHING HYDRANT	100	1000	12.00	0.12	0.40	0.30	0.30



WORK AS CONSTRUCTED
 THESE DRAWINGS ARE AN ACCURATE REPRESENTATION AS AT 25/03/2022 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 MATHEW DAVID LONDON NAME
 SIGNED *mathew* DATE 30/03/2022 SIGNED DATE
 REGISTERED SURVEYOR CONSTRUCTION MANAGER

ORIGIN OF W.A.C. LEVELS
 PM 20029
 E: 345 612.942 Co-Ord System: MGA Ground
 N: 6 382 878.917 MGA Datum: GDA94
 RL: 77.675m MGA Zone: 56

APPROVED FOR CONSTRUCTION
 BY ADW Johnson Pty Ltd
 Date Approved: 07/07/2021

AS CONSTRUCTED

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

CLIENT

PROPERTY DESCRIPTION
 PROPOSED SUBDIVISION
 STAGE 24
 HUNTLEE
 SURVEYED DALY.SMITH Pty Ltd
 DATUM MGA56 GDA94 - A.H.D.

PROJECT POTABLE WATER, RECYCLED WATER AND PRESSURE SEWER RETICULATION
 PLAN TITLE THRUST BLOCK DETAILS
 PROJECT No. 240037(24) DISCIPLINE - WAC - NUMBER 022 REV. 3