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THESE PLANS SHALL ONLY BE REPRODUCED IN COLOUR

WORK-AS-CONSTRUCTED

THE GABLES
BOX HILL

PRECINCT B CENTRAL

STAGE 2

PRESSURE SEWER & RECYCLED WATER

LOCALITY PLAN
(NOT TO SCALE)

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No.	REVISION DESCRIPTION	BY	DATE
02	WORK-AS-CONSTRUCTED	K.G.	10/2/26
01b	2002 & 2007 SERVICES MOVED	K.G.	10/4/25
01a	2021, 2025, 2031 & 2034 SERVICES MOVED	D.S.	20/3/25
01	ORIGINAL ISSUE FOR APPROVAL	D.S.	10/2/25

SERVICE	DATE	REF.

WORK-AS-CONSTRUCTED CERTIFICATION

DEVELOPER: STOCKLAND DEVELOPMENT Pty. Ltd.
PROJECT SUPERVISOR: ROSE ATKINS RIMMER (INFRASTRUCTURE) Pty. Ltd.
CONSTRUCTOR: SPRINGFIELD CIVIL
COMPLETED: W.A.C. PREPARED: 10/2/2026

ROSE ATKINS RIMMER (Infrastructure) Pty. Ltd.
RAR Incorporated in New South Wales
WATER RELATED INFRASTRUCTURE DESIGN AND MANAGEMENT
SHOP 7 & 8 'M CENTRE'
40 STERLING ROAD, MINCHINBURY NSW 2770
PH: (02) 9853 0200 FAX: (02) 9671 7399

Quality System Quality Endorsed Company

CLIENT: Stockland altogether.

TITLE:
PLAN OF PROPOSED WATER INFRASTRUCTURE SERVICES
THE GABLES DEVELOPMENT - PRECINCT B CENTRAL (STAGE 2)
LUNETTE STREET & OTHERS, GABLES
L.G.A. THE HILLS

COVER SHEET

SHEET 1 OF 11

VERSION: WAC

DRAFTED:	DESIGNED:	REVIEWED:	VERIFIED:
D.SHEATHER	D.SHEATHER	K.GAO	K.GAO
SCALE: -	DATUM: -	U.B.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026

JOB No: 4/23645/BC2

A1

SEWER NOTES

1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, ALTOGETHER GROUP SUPPLEMENTARY MANUAL TO W.S.A.A., PRESSURE SEWERAGE CODE OF AUSTRALIA WSA 07-2007 VERSION 1.1 & POLYETHYLENE PIPELINE CODE WSA 01-2004.

2. ALL EQUIPMENT, MATERIALS & ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW & SHALL COMPLY WITH ALTOGETHER GROUP 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.*

3. ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH & SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS & LOCATIONS 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.

4. PRESSURE SEWER MAINS SHALL BE BLACK POLYETHYLENE (PE100 PN16) WITH A CREAM STRIPE AS PER WSA 07-2007 & ALTOGETHER GROUP SUPPLEMENTARY MANUAL TO W.S.A.A.

5. ALL POLYETHYLENE MAINS ≤DN200 SHALL BE JOINED BY ELECTROFUSION TECHNIQUES IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS. ALL POLYETHYLENE MAINS >DN200 SHALL BE JOINED BY BUTTWELD TECHNIQUES IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS

6. 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 & WATER MAINS.* MINIMUM PIPE COVER SHALL BE 800mm IN FOOTWAYS & FOR ROADWAYS. MAXIMUM PIPE COVER SHALL GENERALLY BE 1.5m, WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1.5m, BUT LESS THAN 2.5m, THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. *THE CONTRACTOR SHALL ENSURE THAT ALL PRESSURE SEWER & RECYCLED WATER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.*

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 2m OF ELECTRICITY OR POWER POLES SHALL BE CONDUCTED BY BORING TECHNOLOGY (UNLESS AGREED TO BY THE ALTOGETHER GROUP REPRESENTATIVE).

9. ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSAA PRODUCT SPECIFICATION WSA-PS350 & WSA-PS351.

10. ALL BENDS SHALL BE ELECTROFUSION OR BUTTWELD 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. (ie. 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*

12. *ALL HOUSE SERVICE LATERALS SHALL BE DN40 (PE100 PN16) .*

13. FLUSHING PITS SHALL CONFORM WITH ALTOGETHER GROUP STANDARD DRAWINGS. REFER TO WEBSITE FOR CURRENT VERSION.
    SMALL MAINS (≤ DN110)
    https://information.altogethergroup.com.au/governance/Land__Housing/PSS-1017A-FS.pdf
    LARGE MAINS (> DN110)
    https://information.altogethergroup.com.au/governance/Land__Housing/PSS-1017B-FS.pdf

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 & CONNECTED TO SURFACE VALVES.

16. ALL SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (ie 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 (CLOCKWISE CLOSING), SHALL BE RESTRAINED IN ACCORDANCE WITH WAT-1207 & SHALL COMPLY WITH ALTOGETHER GROUP 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. THE CONDUITS SHALL BE LAID IN A COMMON TRENCH WITH THE SEWERAGE AND MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 400mm.

21. *THE CONSTRUCTOR SHALL PROVIDE ALTOGETHER GROUP WITH MINIMUM OF 7 DAYS NOTICE IN WRITING OF INTENT TO CONNECT NEW MAINS TO EXISTING INFRASTRUCTURE. CONNECTIONS ARE NOT PERMITTED UNTIL COMPLIANT TEST RESULTS HAVE BEEN PROVIDED & CONFIRMATION IS PROVIDED BY THE ALTOGETHER GROUP REPRESENTATIVE.*

22. UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.

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 & APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER GROUP REPRESENTATIVE. *THE CONTRACTOR SHALL PROVIDE M.G.A. COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.*

25. 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 / CROSSING (11 Tests)
    NON-TRAFFICABLE:
    PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST / 100m (11 Tests)

26. BOUNDARY KITS (COMPLETE) SHALL BE eONE SUPPLIED. COLLECTION TANKS SHALL BE INSTALLED WITH BOUNDARY KIT *(REFER ALTOGETHER GROUP STANDARD DRAWINGS PSS-1112-FS & PSS-1113-FS)*, PUMP TO BE INSTALLED BY OTHERS.

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 GROUP REQUIREMENTS.

30. ROPE OFF ALL PRESSURE SEWER UNITS & 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 GROUP REQUIREMENTS.

32. *WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE ALTOGETHER GROUP Q.A. SUBMISSION CHECKLIST.*

RECYCLED WATER NOTES

1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, ALTOGETHER GROUP SUPPLEMENTARY MANUAL TO W.S.A.A. & WSA 03-2011-3.1 (SYDNEY WATER WATER EDITION - 2014).

2. POTABLE WATER SHALL BE UTILISED FOR FIRE FIGHTING PURPOSES.

3. ALL EQUIPMENT, MATERIALS & ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW, SHALL CONFORM WITH THE APPROPRIATE CURRENT AUSTRALIAN STANDARDS & SHALL COMPLY WITH ALTOGETHER GROUP REQUIREMENTS.

4. ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH & SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO DETERMINE LEVELS & LOCATIONS 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.

5. THE CONSTRUCTOR SHALL VERIFY WITH THE SITE SURVEYOR THE POSITION & LEVEL OF ALL EXISTING & PROPOSED BOUNDARIES PERTINENT TO THE INFRASTRUCTURE INSTALLATIONS.

6. MAINS 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 & WATER MAINS.* MINIMUM PIPE COVER SHALL BE 600mm IN FOOTWAYS (TYPE B EMBEDMENT: WAT-1202-V) & FOR ROADWAYS (TYPE L EMBEDMENT: WAT-1204-V). MAXIMUM PIPE COVER SHALL GENERALLY BE 1.5m, WHERE COVER FOR A TRENCHED INSTALLATION EXCEEDS 1.5m, BUT IS LESS THAN 2.5m, THE MAIN AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. *THE CONTRACTOR SHALL ENSURE THAT ALL RECYCLED WATER & PRESSURE SEWER MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE CLEARANCE TABLE ADJACENT.*

7. ALL RECYCLED WATER MAINS SHALL BE LILAC nPVC (PN16). DIFFERENTIATION OF POTABLE & RECYCLED WATER SYSTEMS SHALL BE AS PER TABLE 4.1 WSA03-2011 WITH BOTH SERVICES BEING CLASSIFIED AS WATERMAINS. RECYCLED WATER MAINS SHALL ALWAYS BE LOWER THAN POTABLE MAINS. 150mm VERTICAL CLEARANCE BETWEEN POTABLE WATER & RECYCLED WATER MAINS SHALL BE PROVIDED.

8. MAXIMUM JOINT DEFLECTION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

9. LOCALLY LOWER PIPEWORK IN VICINITY OF STOP VALVES TO ENSURE SUFFICIENT COVER IS MAINTAINED OVER VALVES. LOWERING OF PIPEWORK SHALL ACHIEVED OVER A NUMBER OF PIPE LENGTHS EITHER SIDE OF VALVES TO ELIMINATE ANY SHARP DEFLECTIONS.

10. ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSAA PRODUCT SPECIFICATION PS-350, 368 & 369. GEOTECHNICAL CONDITIONS SHOULD BE ASSESSED DURING CONSTRUCTION BY THE CONTRACTOR IN ASSOCIATION WITH THE ALTOGETHER GROUP REPRESENTATIVE TO DETERMINE THE NEED TO MODIFY EMBEDMENT/TRENCHFILL TYPE & THE ROAD FOR TRENCH DRAINAGE/BULKHEADS.

11. DURING CONSTRUCTION, ALL OPEN ENDS OF PIPES SHALL BE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.

12. HYDRANTS, STOP VALVES & ALL OTHER FITTINGS SHALL BE THE SAME SIZE AS THROUGH WATER MAIN & ANTICLOCKWISE CLOSING.

13. HYDRANTS MUST NOT BE INSTALLED IN POTENTIAL DRIVEWAY LOCATIONS. HYDRANTS & WATER SERVICES SHALL BE NOMINALLY AT LEAST 5m FROM EACH BOUNDARY OR ON BOUNDARIES. WHERE POSSIBLE, FITTINGS SHALL BE LOCATED BEHIND KERB INLET PITS.

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 ALTOGETHER GROUP REQUIREMENTS. REFER TO ALTOGETHER GROUP WEBSITE FOR CURRENT VERSIONS.
    SINGLE SERVICE
    https://information.altogethergroup.com.au/governance/Land__Housing/WAT-1854-FS.pdf
    DUAL SERVICE
    https://information.altogethergroup.com.au/governance/Land__Housing/WAT-1855-FS.pdf

16. PROPERTY SERVICE CONNECTIONS SHALL BE FLUSHED & LOCKED (BY THE ALTOGETHER GROUP REPRESENTATIVE) FOLLOWING SUCCESSFUL PRESSURE TESTING.

17. SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (ie ROADWAYS, PATHS etc) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.

18. ALL MAINS SHALL BE TESTED IN ACCORDANCE WITH WSA 03-2011-3.1 (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 ALTOGETHER GROUP WITH MINIMUM OF 7 DAYS NOTICE IN WRITING OF INTENT TO CONNECT NEW MAINS TO EXISTING INFRASTRUCTURE. CONNECTIONS ARE NOT PERMITTED UNTIL COMPLIANT TEST RESULTS HAVE BEEN PROVIDED & CONFIRMATION IS PROVIDED BY THE ALTOGETHER GROUP REPRESENTATIVE.*

22. UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.

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 & APPROVAL FOR BACKFILLING GIVEN BY THE ALTOGETHER GROUP REPRESENTATIVE. *THE CONTRACTOR SHALL PROVIDE M.G.A. COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.*

25. THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE WATER SUPPLY CODE OF AUSTRALIA ARE:
    TRAFFICABLE:
    PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST / CROSSING (10 Tests)
    NON-TRAFFICABLE:
    PIPE EMBEDMENT ZONE: NIL TRENCH FILL ZONE: 1 TEST / 100m (9 Tests)

    TESTING SHALL BE IN ACCORDANCE WITH TABLE 16.1 & 17.1 OF THE WATER SUPPLY CODE OF AUSTRALIA

26. SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO ALTOGETHER GROUP REQUIREMENTS.

27. PRESSURE TRANSMITTER TO BE MEASUREX MRB21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM PER ALTOGETHER GROUP REQUIREMENTS.

28. *WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE ALTOGETHER GROUP Q.A. SUBMISSION CHECKLIST.*

ALTOGETHER GROUP STANDARD DRAWINGS CAN BE FOUND AT THE FOLLOWING ADDRESS:

https://askus.altogethergroup.com.au/hc/en-us/articles/900004827263-Standard-drawings-for-land-developers-

GENERAL NOTES

WORK-AS-CONSTRUCTED

1. THIS DRAWING SET SHALL BE READ IN CONJUNCTION WITH THE HILLS SHIRE COUNCIL STANDARDS, ALTOGETHER GROUP SUPPLEMENTARY MANUAL TO W.S.A.A. & OTHER ASSOCIATED DRAWINGS AND TECHNICAL SPECIFICATIONS.

2. ALL PRESSURE SEWER LATERALS & RECYCLED WATER PROPERTY SERVICE CONNECTIONS CROSSING CARRIAGEWAYS SHALL BE INSTALLED WITHIN INDIVIDUAL SERVICE CONDUITS.

3. THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORKS AND SHALL REPAIR ANY DAMAGE CAUSED TO SUCH SERVICES DURING THE COURSE OF WORKS. ANY SERVICE LOCATIONS ON THE FOLLOWING DRAWINGS ARE INDICATIVE ONLY.

4. MAKE SMOOTH TRANSITION TO EXISTING WORKS (i.e. ROAD PAVEMENTS AND FOOTPATHS TO P.C.A. AND SUPERINTENDENTS REQUIREMENTS.

5. SUITABLE PROTECTION OF EXISTING ROAD PAVEMENT, KERB AND GUTTER, FOOTPATHS AND ANY EXISTING FEATURES SHALL BE PROVIDED UNTIL THE CONSTRUCTION WORKS ARE COMPLETED.

CLEARANCES BETWEEN PIPELINES & UNDERGROUND SERVICES

Utility (Existing or proposed service)	Minimum horizontal clearance mm		Minimum vertical clearance [1] mm
	New main size		
	≤DN200	>DN200	
Water mains [2] > DN375	600	600	300
Water mains [2] < DN375	300 [4]	600	150
Gas mains	300 [4]	600	150
Telecommunication conduits and cables	300 [4]	600	150
Electricity conduits and cables	500	1000	225 [8]
Stormwater drains	300 [4]	600	150 [9]
Sewers - gravity	1000 [3] / 600	1000 [3] / 600	500 [9]
Sewers - pressure and vacuum	600	600	300 [9]
Kerbs	150	600 [5]	150 (where possible)

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, 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.*
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 2m when passing installations such as poles, pits, and small structures, providing the structures is not destabilised in the process.*
5. *Clearances from kerbs shall be measured from the nearest point of the kerb. For water/sewer <DN375, clearances from kerbs can be progressively reduced until the minimum of 150mm is reached for water/sewer <DN200.*
6. *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.*
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. For cases where this is no alterative 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 GROUP REPRESENTATIVE IN WRITING.

RECYCLED WATER PIPE SCHEDULE

SIZE	TYPE	CLASS	LENGTH
DN100	m.P.V.C.	PN16	889.6

PRESSURE SEWER PIPE SCHEDULE

SIZE	TYPE	CLASS	LENGTH
DN110	PE100	PN16	62.0
DN90	PE100	PN16	64.8
DN75	PE100	PN16	156.0
DN63	PE100	PN16	461.6
DN50	PE100	PN16	386.9
DN40	PE100	PN16	2,302.0
		TOTAL	*3,433.3*

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Quality System Endorsed Company

GENERAL NOTES | SHEET 2 OF 11 | VERSION: WAC

DRAFTED:	DESIGNED:	REVIEWED:	VERIFIED:	JOB No.
D.SHEATHER	D.SHEATHER	K.GAO	K.GAO	4/23645/BC2
SCALE: -	DATUM: -	U.D.S. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026	

A1

WORK-AS-CONSTRUCTED

Precinct B Central Development Stages

- Stage 1
- Stage 2

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Quality Endorsed Company

PRESSURE SEWER GENERAL ARRANGEMENT

SHEET 3 OF 11

VERSION: WAC

DRAFTED:	DESIGNED:	REVIEWED:	VERIFIED:	JOB No:
D.SHEATHER	D.SHEATHER	K.GAO	K.GAO	4/23645/BC2
SCALE: -	DATUM: -	U.B.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026	

A1

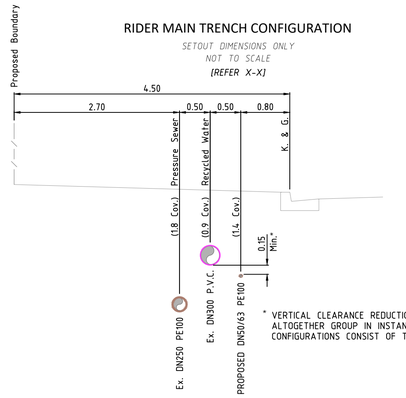
WORK-AS-CONSTRUCTED

PRESSURE SEWER LEGEND

X	STOP VALVE
⊗	STOP VALVE (NORMALLY CLOSED)
|	TAPER
FP	FLUSHING POINT
TFP	TEMPORARY FLUSHING POINT
	PROPERTY BOUNDARY KIT
650L	COLLECTION TANK (eONE 650L)
800L	COLLECTION TANK (eONE 800L)
950L	COLLECTION TANK (eONE 950L)
	CONTROL/ALARM PANEL
e	ELECTRICAL CABLES
	FLOW METER
	AIR VALVE
PP	PRESSURE MONITORING POINT
m	REMOTE MONITORED PRESSURE TRANSDUCER
	VERTICAL DEFLECTION

RIDER MAIN TRENCH CONFIGURATION

SETOUT DIMENSIONS ONLY
NOT TO SCALE
(REFER X-X)



* VERTICAL CLEARANCE REDUCTION AUTHORISED BY ALTOGETHER GROUP IN INSTANCES WHERE MAIN CONFIGURATIONS CONSIST OF TWO DUAL MAINS ONLY.

INSERTED DN250 x 63 PLASSON BRANCH SADDLE
REFER DETAILS ON SHEET 8

LAID DN63 RIDER MAIN GENERALLY 3.7m P.L. ADJACENT TO EXISTING DN250 MAIN
REFER RIDER MAIN CONFIGURATION ABOVE & DETAILS ON SHEET 8

LAID DN63 RIDER MAIN GENERALLY 3.7m P.L. ADJACENT TO EXISTING DN250 MAIN
REFER RIDER MAIN CONFIGURATION ABOVE & DETAILS ON SHEET 8

DN63 x 50 TEE

DN63 x 50 TEE WITH DN63 x 50 TAPER

LAID DN50 RIDER MAIN GENERALLY 3.7m P.L. ADJACENT TO EXISTING DN250 MAIN
REFER RIDER MAIN CONFIGURATION ABOVE & DETAILS ON SHEET 8

EXISTING AIR VALVE FILTER RELOCATED INTO VERGE

LAID DN50 MAIN GENERALLY 2.2m P.L.

LAID DN50 MAIN GENERALLY 2.2m P.L.

DN63 x 50 TEE WITH DN63 x 50 TAPER

LAID DN50 MAIN GENERALLY 2.2m P.L.

LAID DN63 MAIN GENERALLY 2.2m P.L.

DN63 x 50 TAPER

LAID DN50 MAIN GENERALLY 2.2m P.L.

LAID DN63 MAIN GENERALLY 2.2m P.L.

DN63 x 50 TAPER

LAID DN50 MAIN GENERALLY 2.2m P.L.

LAID DN63 MAIN GENERALLY 2.2m P.L.

RED WAY
KEYSTONE ROAD
PINECREST ROAD
TANNERY ROAD
GABLES ROAD
OAKGRAIN ROAD
SILK LANE
FONTANA DRIVE
ATRIUM STREET

'A' — JOIN LINE - SEE SHEET 5 — 'A'

Ⓢ DENOTES PROPERTY LATERAL INSTALLED ON EXISTING MAIN. CONNECTION MADE TO EXISTING MAIN WITH *PLASSON TAPPING SADDLE* IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS (REFER *WAT-1108-V*).

Ⓣ DENOTES PROPERTY LATERAL INSTALLED ON EXISTING MAIN. LATERAL CONNECTIONS TO EXISTING MAIN WERE MADE BY MEANS OF A *TEE* ONLY. ***TAPPING SADDLES ARE NOT PERMITTED.***

NOTE F1:
CONTRACTOR ENSURED THAT ALL SURFACE FITTINGS WERE INSTALLED CLEAR OF PROPOSED & EXISTING DRIVEWAY / PRAM RAMP.

DENOTES LAY MAIN UNDER SERVICE
DENOTES LAY MAIN OVER SERVICE

AREAS HATCHED THUS NOT DRAINED.

DENOTES ESMT FOR PADMOUNT SUBSTATION 2.75 W.

0 10 20 30 40 50 METRES

ROSE ATKINS RIMMER (Infrastructure) Pty. Ltd.
RAR Incorporated in New South Wales
WATER RELATED INFRASTRUCTURE DESIGN AND MANAGEMENT
SHOP 7 & 8 'M CENTRE'
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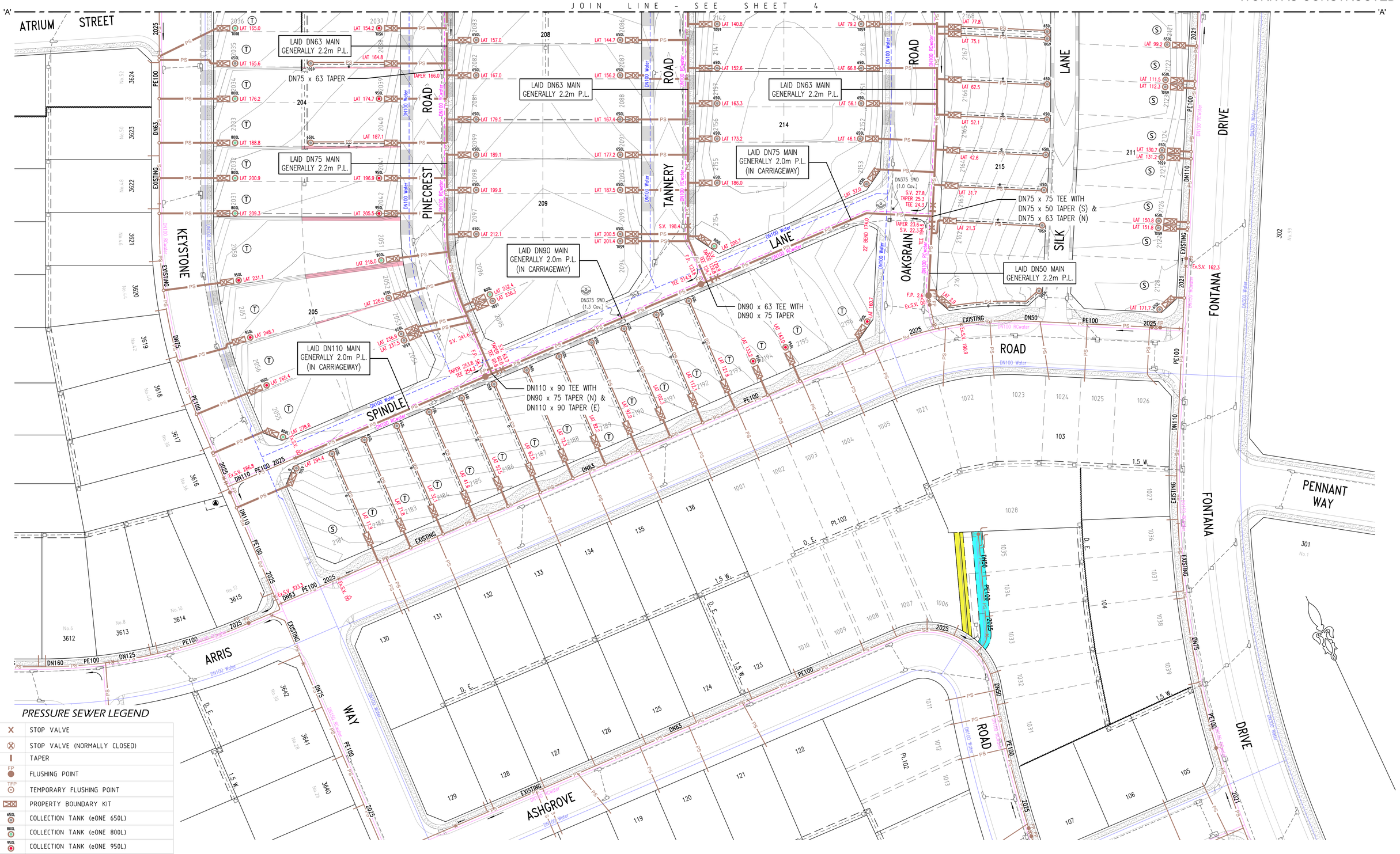
Quality System Endorsed Company

PRESSURE SEWER DETAIL PLAN 1				SHEET 4 OF 11	VERSION: WAC
DRAFTED: D.SHEATHER	DESIGNED: D.SHEATHER	REVIEWED: K.GAO	VERIFIED: K.GAO	JOB No: 4/23645/BC2	
SCALE: 1:500	DATUM: A.H.D.	U.B.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026		

A1

WORK-AS-CONSTRUCTED



PRESSURE SEWER LEGEND

X	STOP VALVE
⊗	STOP VALVE (NORMALLY CLOSED)
I	TAPER
FP	FLUSHING POINT
TFP	TEMPORARY FLUSHING POINT
	PROPERTY BOUNDARY KIT
650L	COLLECTION TANK (eONE 650L)
800L	COLLECTION TANK (eONE 800L)
950L	COLLECTION TANK (eONE 950L)
	CONTROL/ALARM PANEL
—e—	ELECTRICAL CABLES
	FLOW METER
	AIR VALVE
PP	PRESSURE MONITORING POINT
PT	REMOTE MONITORED PRESSURE TRANSDUCER
	VERTICAL DEFLECTION

NOTE F1:
CONTRACTOR ENSURED THAT ALL SURFACE FITTINGS WERE INSTALLED CLEAR OF PROPOSED & EXISTING DRIVEWAY / PRAM RAMP.

DENOTES LAY MAIN UNDER SERVICE
DENOTES LAY MAIN OVER SERVICE

(S) DENOTES PROPERTY LATERAL INSTALLED ON EXISTING MAIN. CONNECTION MADE TO EXISTING MAIN WITH *PLASSON TAPPING SADDLE* IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS (REFER *WAT-1108-V*).

(T) DENOTES PROPERTY LATERAL INSTALLED ON EXISTING MAIN. LATERAL CONNECTIONS TO EXISTING MAIN WERE MADE BY MEANS OF A *TEE* ONLY. ***TAPPING SADDLES ARE NOT PERMITTED.***

AREAS HATCHED THUS NOT DRAINED.

DENOTES ESMT FOR PADMOUNT SUBSTATION 2.75 W.

0 10 20 30 40 50 METRES

DENOTES EASEMENT FOR POTABLE WATER SUPPORT 2.5 W. (OWNED BY SYDNEY WATER)

DENOTES EASEMENT FOR RECYCLED WATER & PRESSURE SEWER SUPPORT 3.0 W. (OWNED BY ALTOGETHER GROUP)

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Quality System Endorsed Company

PRESSURE SEWER DETAIL PLAN 2

SHEET 5 OF 11

VERSION: WAC

DRAFTED:	DESIGNED:	REVIEWED:	VERIFIED:	JOB No:
D.SHEATHER	D.SHEATHER	K.GAO	K.GAO	4/23645/BC2
SCALE: 1:500	DATUM: A.H.D.	U.G.S. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026	

A1

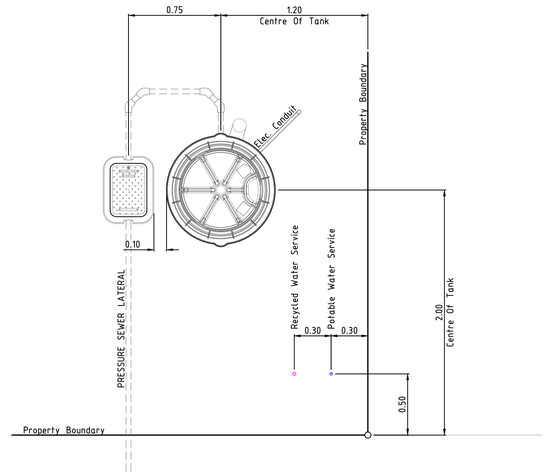
WORK-AS-CONSTRUCTED

PRESSURE SEWER COLLECTION TANK LEVEL DETAILS

THE GABLES DEVELOPMENT - PRECINCT B CENTRAL [STAGE 2]

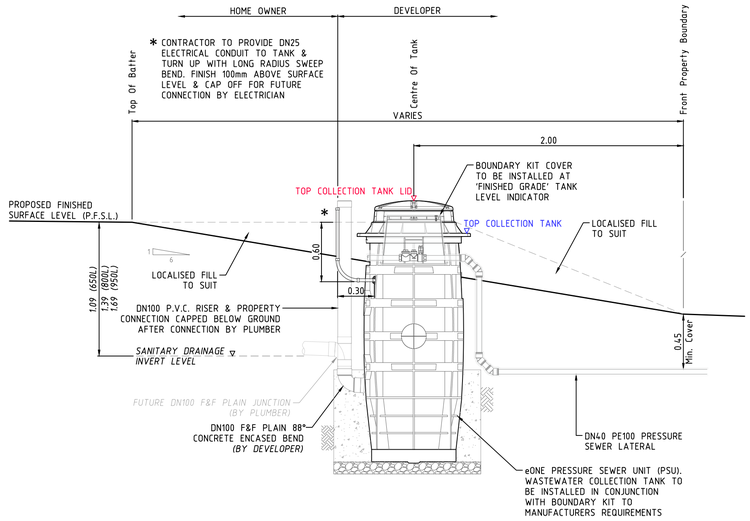
LOT NUMBER	COLLECTION TANK LOCATION [FRONT / REAR]	TANK SIZE [650L / 800L / 950L]	PFSL AT TANK LOCATION	TOP OF COLLECTION TANK [Design R.L.]	DESIGN SANITARY DRAINAGE INVERT LEVEL [Design R.L.]	*TOP OF COLLECTION TANK LID* * [Work-As-Constructed]	*CALCULATED SANITARY DRAINAGE INVERT LEVEL* [Work-As-Constructed]	*WAC v's DESIGN INVERT LEVEL COMPARISON* [- LOWER / + HIGHER]
2001	FRONT BATTER	650L	35.24	35.26	34.26	*35.47*	*34.20*	*-0.06*
2002	FRONT BATTER	650L	35.67	35.71	34.71	*35.94*	*34.67*	*-0.04*
2003	FRONT BATTER	650L	35.80	35.81	34.81	*36.03*	*34.76*	*-0.05*
2004	FRONT BATTER	650L	35.89	35.86	34.86	*36.08*	*34.81*	*-0.05*
2005	FRONT FLAT	650L	36.07	36.03	35.03	*36.23*	*34.96*	*-0.07*
2006	FRONT BATTER	650L	36.49	36.46	35.46	*36.72*	*35.45*	*-0.01*
2007	FRONT BATTER	650L	36.78	36.79	35.79	*36.99*	*35.72*	*-0.07*
2008	FRONT FLAT	800L	37.31	37.27	35.97	*37.51*	*35.94*	*-0.03*
2011	FRONT FLAT	800L	38.12	38.08	36.78	*38.33*	*36.76*	*-0.02*
2012	FRONT FLAT	800L	37.65	37.61	36.31	*37.82*	*36.25*	*-0.06*
2013	FRONT FLAT	800L	37.27	37.23	35.93	*37.43*	*35.86*	*-0.07*
2014	FRONT FLAT	800L	36.81	36.77	35.47	*36.98*	*35.41*	*-0.06*
2015	FRONT FLAT	800L	36.23	36.19	34.89	*36.41*	*34.84*	*-0.05*
2016	FRONT FLAT	950L	37.05	37.01	35.41	*37.27*	*35.40*	*-0.01*
2017	FRONT FLAT	950L	37.68	37.64	36.04	*37.86*	*35.99*	*-0.05*
2018	FRONT FLAT	950L	38.51	38.47	36.87	*38.62*	*36.75*	*-0.12*
2019	REAR	650L	38.37	38.33	37.33	*38.47*	*37.20*	*-0.13*
2020	FRONT FLAT	950L	39.58	39.54	37.94	*39.71*	*37.84*	*-0.10*
2021	FRONT FLAT	800L	39.98	39.94	38.64	*40.16*	*38.59*	*-0.05*
2022	FRONT FLAT	800L	39.65	39.61	38.31	*39.92*	*38.35*	*0.04*
2023	FRONT FLAT	800L	39.20	39.16	37.86	*39.38*	*37.81*	*-0.05*
2024	FRONT FLAT	800L	38.86	38.82	37.52	*39.04*	*37.47*	*-0.05*
2025	FRONT FLAT	800L	38.40	38.36	37.06	*38.58*	*37.01*	*-0.05*
2026	REAR	650L	39.52	39.48	38.48	*39.63*	*38.36*	*-0.12*
2027	FRONT FLAT	950L	40.49	40.45	38.85	*40.63*	*38.76*	*-0.09*
2028	REAR	650L	40.38	40.34	39.34	*40.55*	*39.28*	*-0.06*
2029	FRONT FLAT	950L	41.20	41.16	39.56	*41.38*	*39.51*	*-0.05*
2030	REAR	650L	40.81	40.77	39.77	*40.98*	*39.71*	*-0.06*
2031	FRONT FLAT	800L	42.16	42.12	40.82	*42.25*	*40.68*	*-0.14*
2032	FRONT FLAT	800L	41.83	41.79	40.49	*41.98*	*40.41*	*-0.08*
2033	FRONT FLAT	800L	41.43	41.39	40.09	*41.57*	*40.00*	*-0.09*
2034	FRONT FLAT	800L	41.07	41.03	39.73	*41.24*	*39.67*	*-0.06*
2035	FRONT FLAT	650L	40.65	40.61	39.61	*40.83*	*39.56*	*-0.05*
2036	FRONT FLAT	800L	40.39	40.35	39.05	*40.57*	*39.00*	*-0.05*
2037	FRONT FLAT	950L	41.66	41.62	40.02	*41.81*	*39.94*	*-0.08*
2038	REAR	650L	41.27	41.23	40.23	*41.42*	*40.15*	*-0.08*
2039	FRONT FLAT	950L	42.06	42.02	40.42	*42.23*	*40.36*	*-0.06*
2040	REAR	650L	41.67	41.63	40.63	*41.83*	*40.56*	*-0.07*
2041	FRONT FLAT	950L	42.51	42.47	40.87	*42.69*	*40.82*	*-0.05*
2042	FRONT FLAT	950L	42.71	42.67	41.07	*42.92*	*41.05*	*-0.02*
2051	FRONT FLAT	800L	43.04	43.00	41.70	*43.28*	*41.71*	*0.01*
2052	FRONT BATTER	650L	43.44	43.31	42.31	*43.56*	*42.29*	*-0.02*
2053	FRONT BATTER	650L	43.58	43.61	42.61	*43.81*	*42.54*	*-0.07*
2054	FRONT BATTER	650L	43.63	43.61	42.61	*43.83*	*42.56*	*-0.05*
2055	FRONT FLAT	800L	44.47	44.43	43.13	*44.69*	*43.12*	*-0.01*
2056	FRONT FLAT	950L	44.16	44.12	42.52	*44.36*	*42.49*	*-0.03*
2057	FRONT FLAT	950L	43.53	43.49	41.89	*43.73*	*41.86*	*-0.03*
2058	FRONT FLAT	950L	42.88	42.84	41.24	*43.06*	*41.19*	*-0.05*
2061	FRONT FLAT	800L	39.90	39.86	38.56	*40.15*	*38.58*	*0.02*
2062	FRONT FLAT	800L	39.37	39.33	38.03	*39.61*	*38.04*	*0.01*
2063	FRONT FLAT	800L	38.86	38.82	37.52	*39.08*	*37.51*	*-0.01*
2064	FRONT FLAT	800L	38.36	38.32	37.02	*38.53*	*36.96*	*-0.06*
2065	FRONT FLAT	800L	37.78	37.74	36.44	*37.98*	*36.41*	*-0.03*
2066	FRONT FLAT	800L	37.43	37.39	36.09	*37.66*	*36.09*	*0.00*
2067	REAR	650L	38.06	38.02	37.02	*38.23*	*36.96*	*-0.06*
2068	FRONT FLAT	950L	39.08	39.04	37.44	*39.30*	*37.43*	*-0.01*
2069	FRONT FLAT	950L	39.60	39.56	37.96	*39.80*	*37.93*	*-0.03*
2070	FRONT FLAT	950L	40.09	40.05	38.45	*40.32*	*38.45*	*0.00*
2071	FRONT FLAT	950L	40.59	40.55	38.95	*40.80*	*38.93*	*-0.02*
2072	FRONT FLAT	650L	41.56	41.52	40.52	*41.75*	*40.48*	*-0.04*
2073	FRONT BATTER	650L	41.26	41.21	40.21	*41.46*	*40.19*	*-0.02*
2074	FRONT FLAT	800L	40.88	40.84	39.54	*41.10*	*39.53*	*-0.01*
2075	FRONT FLAT	800L	40.38	40.34	39.04	*40.60*	*39.03*	*-0.01*
2076	FRONT FLAT	950L	41.08	41.04	39.44	*41.32*	*39.45*	*0.01*
2077	FRONT FLAT	800L	41.48	41.44	40.14	*41.70*	*40.13*	*-0.01*
2078	FRONT FLAT	800L	41.77	41.73	40.43	*41.98*	*40.41*	*-0.02*
2079	FRONT FLAT	650L	42.00	41.96	40.96	*42.22*	*40.95*	*-0.01*
2081	FRONT FLAT	650L	42.39	42.35	41.35	*42.59*	*41.32*	*-0.03*
2082	FRONT FLAT	650L	42.21	42.17	41.17	*42.41*	*41.14*	*-0.03*
2083	FRONT FLAT	650L	41.91	41.87	40.87	*42.10*	*40.83*	*-0.04*
2084	FRONT BATTER	650L	41.71	41.66	40.66	*41.89*	*40.62*	*-0.04*
2085	FRONT FLAT	650L	42.15	42.11	41.11	*42.36*	*41.09*	*-0.02*
2086	FRONT FLAT	650L	42.25	42.21	41.21	*42.46*	*41.19*	*-0.02*
2087	FRONT FLAT	650L	42.37	42.33	41.33	*42.59*	*41.32*	*-0.01*
2088	FRONT FLAT	650L	42.49	42.45	41.45	*42.70*	*41.43*	*-0.02*
2091	FRONT FLAT	650L	42.63	42.59	41.59	*42.83*	*41.56*	*-0.03*
2092	FRONT BATTER	650L	42.94	42.86	41.86	*43.00*	*41.73*	*-0.13*
2093	FRONT BATTER	650L	43.16	43.06	42.06	*43.30*	*42.03*	*-0.03*
2094	FRONT BATTER	650L	43.20	43.06	42.06	*43.30*	*42.03*	*-0.03*
2095	FRONT FLAT	650L	43.49	43.45	42.45	*43.67*	*42.40*	*-0.05*
2096	FRONT FLAT	800L	43.44	43.40	42.10	*43.60*	*42.03*	*-0.07*
2097	FRONT FLAT	650L	43.06	43.02	42.02	*43.22*	*41.95*	*-0.07*
2098	FRONT BATTER	650L	42.86	42.81	41.81	*43.02*	*41.75*	*-0.06*
2099	FRONT FLAT	650L	42.56	42.52	41.52	*42.72*	*41.45*	*-0.07*

* COLLECTION TANK LEVEL PROVIDED TO G.P.S. ACCURACY ONLY. THE BUILDER IS REQUIRED TO CONFIRM DRAINAGE CONSTRAINTS PRIOR TO MAKING CONNECTION TO TANK.



TYPICAL INFRASTRUCTURE SETOUT DIMENSIONS

SCALE 1:25



COLLECTION TANK SECTIONAL ELEVATION

SCALE 1:25

COLLECTION TANK NOTES

1. DESIGN SURFACE LEVELS WERE ELECTRONICALLY EXTRACTED FROM DIGITAL DATA SUPPLIED BY ENSPIRE DATED 5/2/25 (250123-TheGablesPrecinctBC-FinishedDesignSurface.dwg).
2. DESIGN LEVELS CAN ONLY BE ASSUMED AS CURRENT AT TIME OF EXTRACTION. ALL LEVELS SHALL BE CONFIRMED WITH THE SITE SUPERINTENDENT *PRIOR* TO INSTALLATION OF TANKS. SHOULD THE PROPOSED FINISHED SURFACE LEVEL (P.F.S.L.) DIFFER FROM DESIGN BY MORE THAN 100mm, THE CONSTRUCTOR SHALL CONTACT THE DESIGNER IMMEDIATELY.
3. COLLECTION TANK SETOUT SHALL BE COMPLIANT WITH *FSI-1000-FS* & *FSI-SK03A-FS*. COLLECTION TANK INSTALLATION LEVELS DOCUMENTED ADJACENT SHALL SUPERSEDE ANY LEVELS ADVISED ON DRAWING FSI-SK03A-FS.
4. R.A.R. ACCEPT NO RESPONSIBILITY FOR INCONSISTENCIES IN EXTRACTED LEVELS RESULTING FROM CHANGES TO THE MODEL (SURFACE LEVEL) INFORMATION POST DATA EXTRACTION DATE.

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COLLECTION TANK LEVEL DETAILS 1				SHEET 6 OF 11	VERSION: WAC
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A1

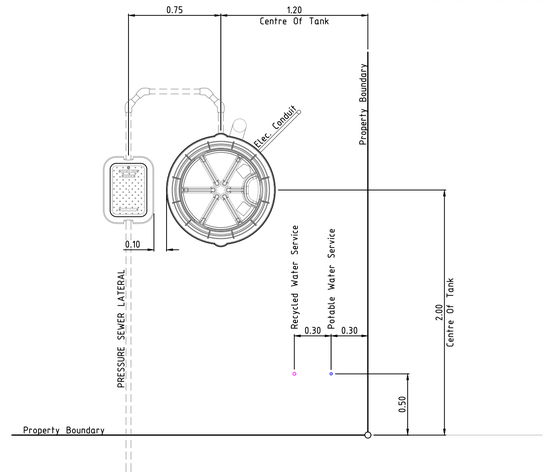
WORK-AS-CONSTRUCTED

PRESSURE SEWER COLLECTION TANK LEVEL DETAILS

THE GABLES DEVELOPMENT - PRECINCT B CENTRAL [STAGE 2]

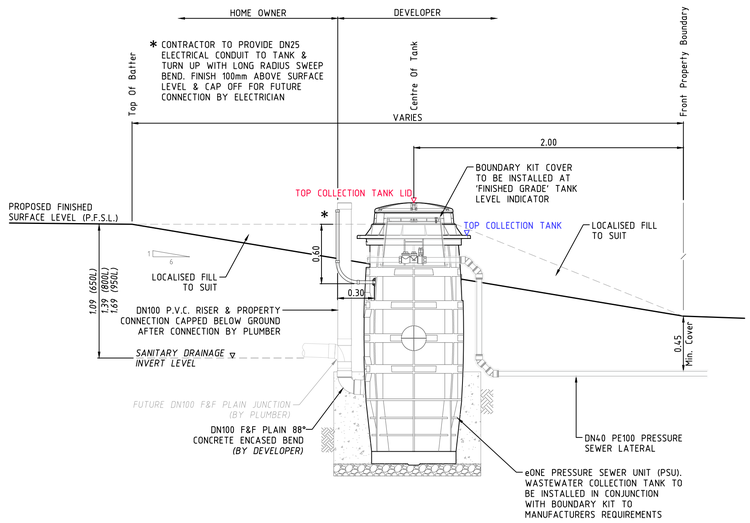
LOT NUMBER	COLLECTION TANK LOCATION [FRONT / REAR]	TANK SIZE [650L / 800L / 950L]	PFSL AT TANK LOCATION	TOP OF COLLECTION TANK [Design R.L.]	DESIGN SANITARY DRAINAGE INVERT LEVEL [Design R.L.]	*TOP OF COLLECTION TANK LID* * [Work-As-Constructed]	*CALCULATED SANITARY DRAINAGE INVERT LEVEL* [Work-As-Constructed]	*WAC v's DESIGN INVERT LEVEL COMPARISON* [- LOWER / + HIGHER]
2101	FRONT FLAT	650L	37.54	37.50	36.50	*37.77*	*36.50*	*0.00*
2102	FRONT FLAT	800L	38.85	38.81	37.51	*39.04*	*37.47*	*-0.04*
2103	FRONT FLAT	800L	39.16	39.12	37.82	*39.31*	*37.74*	*-0.08*
2104	FRONT FLAT	650L	39.25	39.21	38.21	*39.42*	*38.15*	*-0.06*
2105	FRONT FLAT	800L	39.89	39.85	38.55	*40.11*	*38.54*	*-0.01*
2106	FRONT FLAT	800L	39.93	39.89	38.59	*40.13*	*38.56*	*-0.03*
2107	FRONT FLAT	800L	40.06	40.02	38.72	*40.26*	*38.69*	*-0.03*
2108	FRONT FLAT	800L	40.10	40.06	38.76	*40.27*	*38.70*	*-0.06*
2109	FRONT FLAT	800L	40.39	40.35	39.05	*40.60*	*39.03*	*-0.02*
2111	FRONT BATTER	650L	39.78	39.80	38.80	*40.02*	*38.75*	*-0.05*
2112	FRONT BATTER	650L	39.79	39.81	38.81	*40.03*	*38.76*	*-0.05*
2113	FRONT BATTER	650L	39.96	40.00	39.00	*40.23*	*38.96*	*-0.04*
2114	FRONT BATTER	650L	39.99	40.02	39.02	*40.25*	*38.98*	*-0.04*
2115	FRONT BATTER	650L	40.19	40.23	39.23	*40.46*	*39.19*	*-0.04*
2116	FRONT BATTER	650L	40.22	40.25	39.25	*40.48*	*39.21*	*-0.04*
2117	FRONT BATTER	650L	40.49	40.51	39.51	*40.75*	*39.48*	*-0.03*
2118	FRONT BATTER	650L	40.52	40.55	39.55	*40.75*	*39.48*	*-0.07*
2119	FRONT BATTER	650L	40.68	40.71	39.71	*40.93*	*39.66*	*-0.05*
2120	FRONT BATTER	650L	40.70	40.73	39.73	*40.97*	*39.70*	*-0.03*
2121	FRONT BATTER	650L	40.80	40.84	39.84	*41.09*	*39.82*	*-0.02*
2122	FRONT BATTER	650L	40.88	40.91	39.91	*41.16*	*39.89*	*-0.02*
2123	FRONT BATTER	650L	40.89	40.92	39.92	*41.16*	*39.89*	*-0.03*
2124	FRONT BATTER	650L	40.68	40.64	39.64	*40.88*	*39.61*	*-0.03*
2125	FRONT BATTER	650L	40.64	40.60	39.60	*40.87*	*39.60*	*0.00*
2126	FRONT FLAT	650L	40.51	40.47	39.47	*40.68*	*39.41*	*-0.06*
2127	FRONT FLAT	650L	40.49	40.45	39.45	*40.66*	*39.39*	*-0.06*
2128	FRONT FLAT	650L	40.27	40.23	39.23	*40.48*	*39.21*	*-0.02*
2131	FRONT BATTER	800L	41.76	41.71	40.41	*41.95*	*40.38*	*-0.03*
2132	FRONT FLAT	800L	41.41	41.37	40.07	*41.60*	*40.03*	*-0.04*
2133	FRONT BATTER	650L	40.65	40.65	39.65	*40.89*	*39.62*	*-0.03*
2134	FRONT FLAT	950L	40.04	40.00	38.40	*40.21*	*38.34*	*-0.06*
2135	FRONT FLAT	800L	39.10	39.06	37.76	*39.27*	*37.70*	*-0.06*
2136	FRONT BATTER	650L	39.22	39.30	38.30	*39.54*	*38.27*	*-0.03*
2137	FRONT FLAT	950L	41.03	40.99	39.39	*41.26*	*39.39*	*0.00*
2138	FRONT FLAT	800L	41.40	41.36	40.06	*41.62*	*40.05*	*-0.01*
2139	FRONT FLAT	650L	41.73	41.69	40.69	*41.97*	*40.70*	*0.01*
2141	FRONT BATTER	650L	42.51	42.56	41.56	*42.82*	*41.55*	*-0.01*
2142	FRONT BATTER	650L	42.39	42.43	41.43	*42.69*	*41.42*	*-0.01*
2143	FRONT BATTER	650L	42.28	42.33	41.33	*42.53*	*41.26*	*-0.07*
2144	FRONT BATTER	800L	42.09	42.09	40.79	*42.30*	*40.73*	*-0.06*
2145	FRONT FLAT	800L	42.09	42.05	40.75	*42.34*	*40.77*	*0.02*
2146	FRONT BATTER	650L	42.36	42.33	41.33	*42.62*	*41.35*	*0.02*
2147	FRONT BATTER	650L	42.57	42.62	41.62	*42.92*	*41.65*	*0.03*
2148	FRONT BATTER	650L	42.68	42.73	41.73	*43.01*	*41.74*	*0.01*
2151	FRONT BATTER	650L	42.68	42.73	41.73	*43.00*	*41.73*	*0.00*
2152	FRONT BATTER	650L	42.61	42.65	41.65	*42.94*	*41.67*	*0.02*
2153	FRONT FLAT	650L	42.39	42.35	41.35	*42.59*	*41.32*	*-0.03*
2154	FRONT FLAT	800L	43.06	43.02	41.72	*43.28*	*41.71*	*-0.01*
2155	FRONT FLAT	650L	42.80	42.76	41.76	*43.04*	*41.77*	*0.01*
2156	FRONT BATTER	650L	42.73	42.77	41.77	*43.07*	*41.80*	*0.03*
2157	FRONT BATTER	650L	42.61	42.66	41.66	*42.93*	*41.66*	*0.00*
2161	REAR	650L	40.48	40.44	39.44	*40.69*	*39.42*	*-0.02*
2162	REAR	650L	40.73	40.69	39.69	*40.93*	*39.66*	*-0.03*
2163	REAR	650L	40.91	40.87	39.87	*41.12*	*39.85*	*-0.02*
2164	REAR	650L	41.09	41.05	40.05	*41.30*	*40.03*	*-0.02*
2165	REAR	650L	41.26	41.22	40.22	*41.48*	*40.21*	*-0.01*
2166	REAR	650L	41.36	41.32	40.32	*41.57*	*40.30*	*-0.02*
2167	REAR	650L	41.38	41.34	40.34	*41.58*	*40.31*	*-0.03*
2168	REAR	650L	41.37	41.33	40.33	*41.58*	*40.31*	*-0.02*
2169	REAR	650L	41.25	41.21	40.21	*41.46*	*40.19*	*-0.02*
2170	REAR	650L	41.13	41.09	40.09	*41.34*	*40.07*	*-0.02*
2171	FRONT FLAT	950L	41.33	41.29	39.69	*41.58*	*39.71*	*0.02*
2172	FRONT FLAT	950L	41.26	41.22	39.62	*41.49*	*39.62*	*0.00*
2173	FRONT FLAT	650L	40.75	40.71	39.71	*41.02*	*39.75*	*0.04*
2174	FRONT FLAT	950L	40.68	40.64	39.04	*41.01*	*39.14*	*0.10*
2181	REAR	650L	44.48	44.44	43.44	*44.71*	*43.44*	*0.00*
2182	REAR	650L	44.32	44.28	43.28	*44.54*	*43.27*	*-0.01*
2183	REAR	650L	44.22	44.18	43.18	*44.48*	*43.21*	*0.03*
2184	REAR	650L	44.12	44.08	43.08	*44.35*	*43.08*	*0.00*
2185	REAR	650L	44.02	43.98	42.98	*44.21*	*42.94*	*-0.04*
2186	REAR	650L	43.92	43.88	42.88	*44.16*	*42.89*	*0.01*
2187	REAR	650L	43.82	43.78	42.78	*44.04*	*42.77*	*-0.01*
2188	REAR	650L	43.72	43.68	42.68	*44.02*	*42.75*	*0.07*
2189	REAR	650L	43.62	43.58	42.58	*43.87*	*42.60*	*0.02*
2190	REAR	650L	43.52	43.48	42.48	*43.75*	*42.48*	*0.00*
2191	REAR	650L	43.42	43.38	42.38	*43.65*	*42.38*	*0.00*
2192	REAR	650L	43.31	43.27	42.27	*43.55*	*42.28*	*0.01*
2193	REAR	650L	43.17	43.13	42.13	*43.39*	*42.12*	*-0.01*
2194	FRONT FLAT	950L	43.32	43.28	41.68	*43.48*	*41.61*	*-0.07*
2195	FRONT FLAT	950L	43.03	42.99	41.39	*43.25*	*41.38*	*-0.01*
2196	FRONT FLAT	950L	42.44	42.40	40.80	*42.67*	*40.80*	*0.00*

* COLLECTION TANK LEVEL PROVIDED TO G.P.S. ACCURACY ONLY. THE BUILDER IS REQUIRED TO CONFIRM DRAINAGE CONSTRAINTS PRIOR TO MAKING CONNECTION TO TANK.



TYPICAL INFRASTRUCTURE SETOUT DIMENSIONS

SCALE 1:25



COLLECTION TANK SECTIONAL ELEVATION

SCALE 1:25

COLLECTION TANK NOTES

1. DESIGN SURFACE LEVELS WERE ELECTRONICALLY EXTRACTED FROM DIGITAL DATA SUPPLIED BY ENSPIRE DATED 5/2/25 (250123-TheGablesPrecinctBC-FinishedDesignSurface.dwg).
2. DESIGN LEVELS CAN ONLY BE ASSUMED AS CURRENT AT TIME OF EXTRACTION. ALL LEVELS SHALL BE CONFIRMED WITH THE SITE SUPERINTENDENT *PRIOR* TO INSTALLATION OF TANKS. SHOULD THE PROPOSED FINISHED SURFACE LEVEL (P.F.S.L.) DIFFER FROM DESIGN BY MORE THAN 100mm, THE CONSTRUCTOR SHALL CONTACT THE DESIGNER IMMEDIATELY.
3. COLLECTION TANK SETOUT SHALL BE COMPLIANT WITH *FSI-1000-FS* & *FSI-SK03A-FS*. COLLECTION TANK INSTALLATION LEVELS DOCUMENTED ADJACENT SHALL SUPERSEDE ANY LEVELS ADVISED ON DRAWING FSI-SK03A-FS.
4. R.A.R. ACCEPT NO RESPONSIBILITY FOR INCONSISTENCIES IN EXTRACTED LEVELS RESULTING FROM CHANGES TO THE MODEL (SURFACE LEVEL) INFORMATION POST DATA EXTRACTION DATE.

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Quality Endorsed Company

COLLECTION TANK LEVEL DETAILS 2				SHEET 7 OF 11	VERSION WAC
DRAFTED: D.SHEATHER	DESIGNED: D.SHEATHER	REVIEWED: K.GAO	VERIFIED: K.GAO	JOB No. 4/23645/BC2	
SCALE: -	DATUM: -	U.R.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026		

A1

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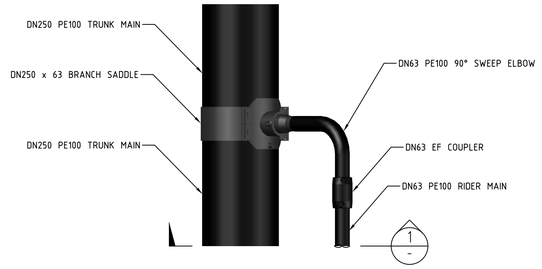
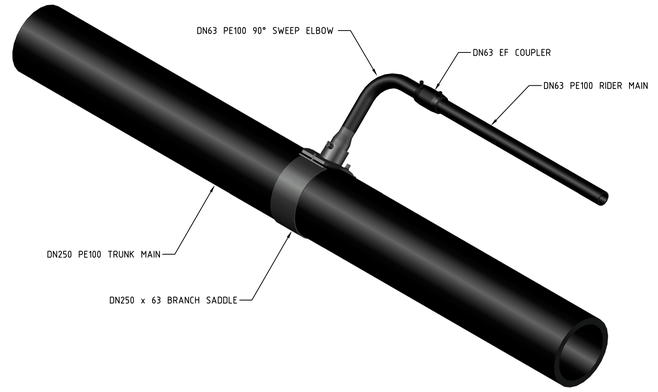


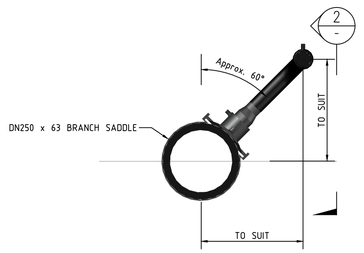
DETAIL FOR RIDER MAIN OFFTAKE

SCALE 1:10

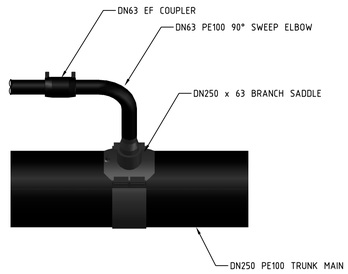


PERSPECTIVE DETAIL FOR RIDER MAIN OFFTAKE

NOT TO SCALE



SECTION 1 - SCALE 1:10



SECTION 2 - SCALE 1:10

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PRESSURE SEWER RIDER MAIN DETAIL				SHEET 8 OF 11	VERSION: WAC
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SCALE: -	DATUM: -	U.B.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026		

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Precinct B Central Development Stages

Stage 1

Stage 2

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RECYCLED WATER GENERAL ARRANGEMENT				SHEET 9 OF 11	VERSION: WAC
DRAFTED: D.SHEATHER	DESIGNED: D.SHEATHER	REVIEWED: K.GAO	VERIFIED: K.GAO	JOB No: 4/23645/BC2	
SCALE: -	DATUM: -	U.B.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026		

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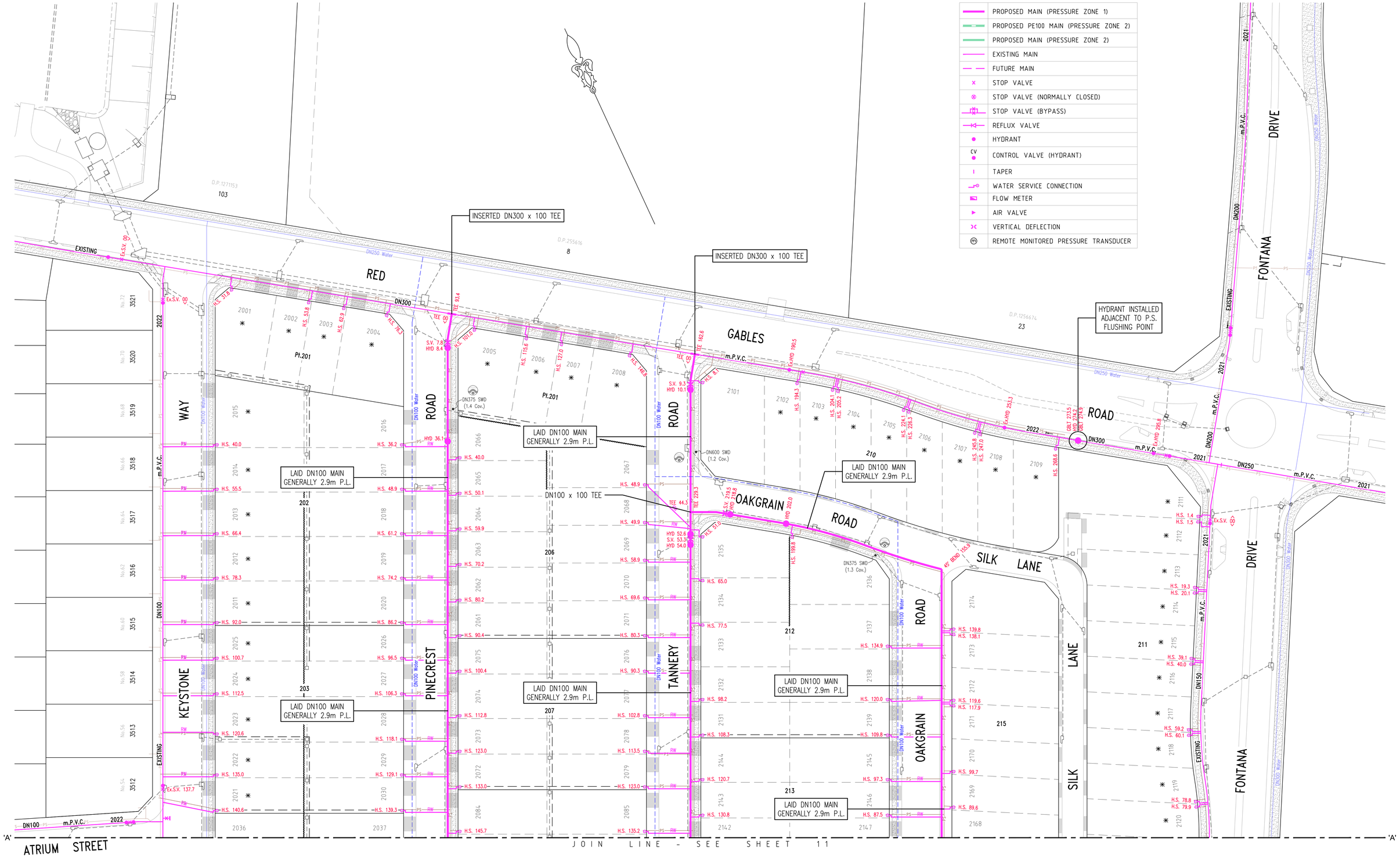
RECYCLED WATER LEGEND

	PROPOSED MAIN (PRESSURE ZONE 1)
	PROPOSED PE100 MAIN (PRESSURE ZONE 2)
	PROPOSED MAIN (PRESSURE ZONE 2)
	EXISTING MAIN
	FUTURE MAIN
	STOP VALVE
	STOP VALVE (NORMALLY CLOSED)
	STOP VALVE (BYPASS)
	REFLUX VALVE
	HYDRANT
CV	CONTROL VALVE (HYDRANT)
	TAPER
	WATER SERVICE CONNECTION
	FLOW METER
	AIR VALVE
	VERTICAL DEFLECTION
(m)	REMOTE MONITORED PRESSURE TRANSDUCER



✳ DENOTES PROPERTY SERVICE CONNECTION INSTALLED ON EXISTING MAIN. CONNECTION MADE TO EXISTING *PRESSURISED* MAIN WITH *MAIN TAP* IN ACCORDANCE WITH *WAT-1108-V*.

NOTE F1:
CONTRACTOR ENSURED THAT ALL SURFACE FITTINGS WERE INSTALLED CLEAR OF PROPOSED & EXISTING DRIVEWAY / PRAM RAMP.

DENOTES LAY MAIN UNDER SERVICE
DENOTES LAY MAIN OVER SERVICE

DENOTES ESMT FOR PADMOUNT SUBSTATION 2.75 W.

0 10 20 30 40 50 METRES

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Quality System Endorsed Company

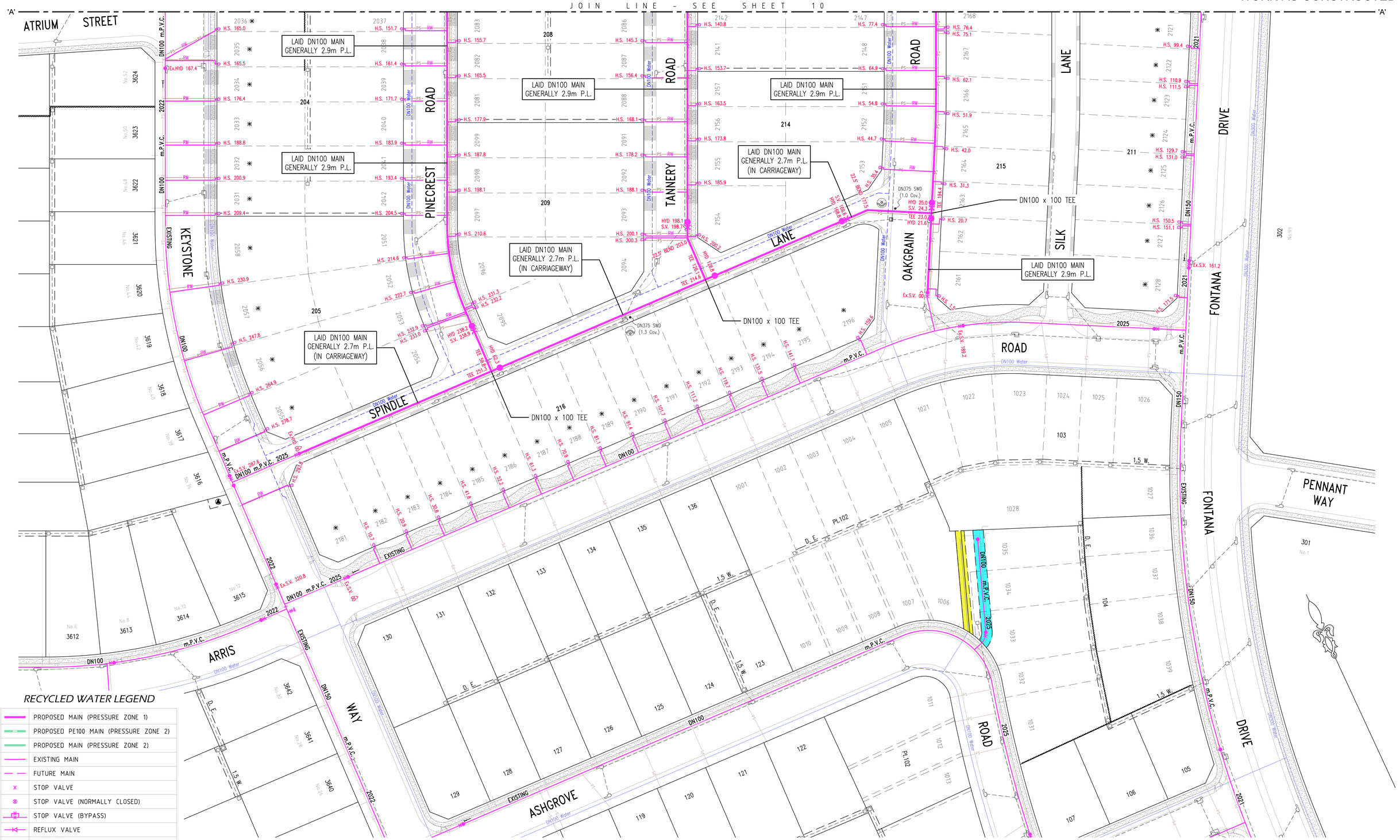
RECYCLED WATER DETAIL PLAN 1

SHEET 10 OF 11 | VERSION: WAC

DRAFTED:	DESIGNED:	REVIEWED:	VERIFIED:	JOB No:
D.SHEATHER	D.SHEATHER	K.GAO	K.GAO	4/23645/BC2
SCALE: 1:500	DATUM: -	U.D.S. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026	

A1

WORK-AS-CONSTRUCTED



RECYCLED WATER LEGEND

	PROPOSED MAIN (PRESSURE ZONE 1)
	PROPOSED PE100 MAIN (PRESSURE ZONE 2)
	PROPOSED MAIN (PRESSURE ZONE 2)
	EXISTING MAIN
	FUTURE MAIN
×	STOP VALVE
⊗	STOP VALVE (NORMALLY CLOSED)
	STOP VALVE (BYPASS)
	REFLUX VALVE
	HYDRANT
CV	CONTROL VALVE (HYDRANT)
	TAPER
	WATER SERVICE CONNECTION
	FLOW METER
	AIR VALVE
	VERTICAL DEFLECTION
PTV	REMOTE MONITORED PRESSURE TRANSDUCER

NOTE F1:
CONTRACTOR ENSURED THAT ALL SURFACE FITTINGS WERE INSTALLED CLEAR OF PROPOSED & EXISTING DRIVEWAY / PRAM RAMP.

DENOTES LAY MAIN UNDER SERVICE

DENOTES LAY MAIN OVER SERVICE

✳ DENOTES PROPERTY SERVICE CONNECTION INSTALLED ON EXISTING MAIN. CONNECTION MADE TO EXISTING *PRESSURISED* MAIN WITH *MAIN TAP* IN ACCORDANCE WITH *WAT-1108-V*.

DENOTES ESMT FOR PADMOUNT SUBSTATION 2.75 W.

0 10 20 30 40 50 METRES

DENOTES EASEMENT FOR POTABLE WATER SUPPORT 2.5 W. (OWNED BY SYDNEY WATER)

DENOTES EASEMENT FOR RECYCLED WATER & PRESSURE SEWER SUPPORT 3.0 W. (OWNED BY ALTOGETHER GROUP)

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RECYCLED WATER DETAIL PLAN 2

SHEET 11 OF 11 | VERSION: WAC

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SCALE: 1:500	DATUM: -	U.B.D. REFERENCE: 88 K15-16	DATE OF ISSUE: 10/2/2026	