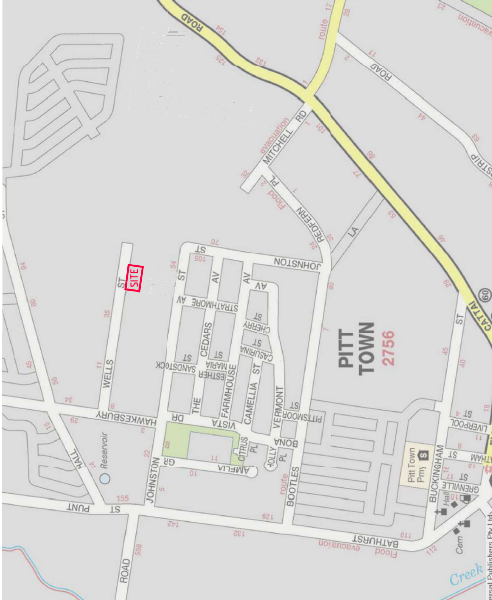


44 WELLS STREET SUBDIVISION PITT TOWN

STAGE 2

PRESSURE SEWER & RECYCLED WATER



LOCALITY PLAN
(NOT TO SCALE)

DRAWING LIST	
SHEET 1	COVER SHEET
SHEET 2	GENERAL NOTES
SHEET 3	PRESSURE SEWER DETAIL PLAN
SHEET 4	COLLECTION TANK LEVEL DETAILS
SHEET 5	RECYCLED WATER DETAIL PLAN

SERVICE	DATE	REF.
DESIGNER		
PROJECT SUPERVISOR		
CONSTRUCTOR		
COMPLETED		



ROSE ATKINS RIMMER (Infrastructure) Pty. Ltd.
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Incorporated in New South Wales



Pitt Town Water
RACK CONSTRUCTIONS (No.1) Pty. Ltd.



Pitt Town Water
RACK CONSTRUCTIONS (No.1) Pty. Ltd.



Pitt Town Water
RACK CONSTRUCTIONS (No.1) Pty. Ltd.



Pitt Town Water
RACK CONSTRUCTIONS (No.1) Pty. Ltd.



Pitt Town Water
RACK CONSTRUCTIONS (No.1) Pty. Ltd.

COVER SHEET		SHEET 1 OF 5		WAC	
PROJECT	44 WELLS STREET SUBDIVISION - STAGE 2	DATE	10/24/2018	BY	
DESIGNER	ROSE ATKINS RIMMER (Infrastructure) Pty. Ltd.	DATE	10/24/2018	BY	
PROJECT SUPERVISOR		DATE		BY	
CONSTRUCTOR		DATE		BY	
COMPLETED		DATE		BY	

SEWER NOTES

1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, FLOW SYSTEMS SUPPLEMENTARY MANUAL TO W.S.A.A., PRESSURE SEWERAGE CODE OF AUSTRALIA WSA 07-2007 VERSION 1.1 & POLYETHYLENE PIPELINE CODE WSA 07-2004.
2. ALL EQUIPMENT, MATERIALS & ACCESSORIES USED IN THIS CONTRACT SHALL BE NEW & SHALL CONFORM WITH THE APPROPRIATE CURRENT AUSTRALIAN STANDARDS & SHALL COMPLY WITH FLOW SYSTEMS REQUIREMENTS.
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 CONTRACTOR SHALL LOCATE AND IDENTIFY ALL EXISTING SERVICES PRIOR TO CONSTRUCTION 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 PN10) WITH A DRAIN STRPE AS PER WSA 07-2007 & FLOW SYSTEMS SUPPLEMENTARY MANUAL TO W.S.A.A.
5. ALL POLYETHYLENE MAINS UNDOOR SHALL BE JOINED BY ELECTROSPUN TECHNIQUES IN ACCORDANCE WITH THE DESIGN DRAWINGS. ALL JOINTS SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
6. MAINS TO BE LAD GENERALLY AS INDICATED. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 60mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER & WATER MAINS. MINIMUM PIPE COVER SHALL BE 800mm IN FOOTWAYS & 1200mm IN ROADWAYS. MAXIMUM PIPE COVER SHALL BE 15m WHERE COVER FOR A WATER MAIN IS REQUIRED. MAXIMUM PIPE COVER SHALL BE 30m WHERE COVER FOR A SEWER MAIN IS REQUIRED. MAXIMUM PIPE COVER SHALL BE 45m WHERE COVER FOR A TRUNKED INSTALLATION EXCEEDS 15m, BUT LESS THAN 15m. THE MAINS AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL PRESSURE MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE DESIGN DRAWINGS & THE CLEARANCE TABLE ADJACENT.
7. MAINS WITHIN 2m OF ELECTRICITY OR POWER POLES SHALL BE CONDUCTED BY BORING TECHNOLOGY UNLESS AGREED TO BY THE PITT TOWN WATER REPRESENTATIVE.
8. ALL PIPE BEDDING MATERIAL SHALL COMPLY WITH WSA PRODUCT SPECIFICATION WSA-PS350 & WSA-PS31.
9. ALL BIRDS SHALL BE ELECTROFUSED OR BUTT WELDED. ANGLED BENDS, FABRICATED BENDS SHALL NOT BE USED IN LEEV MANHOLE ELEVATIONS ARE NOT PERMITTED.
10. MINIMUM BENDING RADIUS FOR PN10 (SDR11) SHALL BE 20 x D₀ (ie. DN400=8000mm, DN500=900mm, DN600=1200mm, DN660=1320mm, DN750=1500mm, DN825=1650mm, DN900=1800mm, DN1000=2000mm).
11. ALL HOUSE SERVICE LATERALS SHALL BE DN100 (PE100 PN10).
12. FLUSHING PITS SHALL COMPLY WITH FLOW SYSTEMS STANDARD DRAWINGS. REFER TO FLOW SYSTEMS WEBSITE FOR CURRENT VERSION.
13. LARGE MAINS (SDR11) SHALL BE http://www.wsa.com.au/documents/and_downloads/PS-007A-FS.pdf & http://www.wsa.com.au/documents/and_downloads/PS-007B-FS.pdf.
14. DETECTABLE MARKING TAPE SHALL BE LAD ON TOP OF THE PIPE EMBEDMENT MATERIAL BEFORE BACKFILLING & CONNECTED TO SURFACE VALVES.
15. ALL SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS (ie. ROADWAYS, PATHS &H) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.
16. DURING CONSTRUCTION, ALL OPEN ENDS OF PIPE SHALL BE CAPPED OFF TO PREVENT ENTRY OF FOREIGN MATTER.
17. ALL VALVES SHALL BE RESILIENT SEATED SLUICE VALVES (CLOCKWISE CLOSING). SHALL BE RESTRAINED IN ACCORDANCE WITH WAT-1007 & SHALL COMPLY WITH FLOW SYSTEMS STANDARD DRAWING PSS-105-FS.
18. ALL MAINS SHALL BE TESTED IN ACCORDANCE WITH WSA 07-2007 Version 1.1.
19. 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 LAD IN A COMMON TRENCH WITHIN THE PROPERTY. THE CONDUITS SHALL BE INSTALLED IN ACCORDANCE OF 400mm INFER TO FLOW SYSTEMS STANDARD DRAWINGS FOR SETOUT DIMENSIONS).
20. THE CONTRACTOR SHALL PROVIDE PITT TOWN WATER WITH MINIMUM OF 7 DAYS NOTICE IN WRITING TO COMPLY WITH THE REQUIREMENTS OF THE WATER SUPPLY CODE OF AUSTRALIA. NOT PERMITTED UNTIL COMPLAINT TEST RESULTS HAVE BEEN PROVIDED & CONFIRMATION IS PROVIDED BY THE PITT TOWN WATER REPRESENTATIVE.
21. UPON COMPLETION OF WORKS, ALL SURFACES MUST BE RESTORED AS CLOSE AS POSSIBLE, TO THE CONDITION THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.
22. PERMISSION OF ENTRY MUST BE OBTAINED BY THE CONTRACTOR FROM THE OWNER/OCCUPYER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
23. BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL M.A.C. DETAILS HAVE BEEN OBTAINED & APPROVAL FOR BACKFILLING GIVEN BY THE PITT TOWN WATER REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE MGA, COORDINATED WORK-AS-CONSTRUCTED INFORMATION REGARDING THE INSTALLATION OF ALL BURIED FITTINGS.
24. THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE PRESSURE SEWER CODE OF AUSTRALIA CLAUSE 21.3.41 ARE:
NON-TRAFFICABLE PIPE EMBEDMENT ZONE: 10
TRAFFICABLE PIPE EMBEDMENT ZONE: 15
TRENCH FILL ZONE: 15
TRENCH FILL ZONE 1 TEST / 100m (2 Tests)
25. BOUNDARY KITS (COMPLETED) SHALL BE NOV SUPPLIED INDV PSS-BK4. NOV 900L COLLECTION MANHOLE SHALL BE PROVIDED WITH NOV 900L MANHOLE WITH NOV 900L MANHOLE WITH NOV 900L STANDARD DRAWINGS PSS-105-FS & PSS-107-FS. PUMP TO BE INSTALLED BY OTHERS.
26. ALL MAINS UP TO THE BOUNDARY KIT SHALL BE PRESSURE TESTED TO 1000 kPa.
27. ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
28. SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO PITT TOWN WATER REQUIREMENTS.
29. PUMP OFF ALL PRESSURE SEWER UNITS & FLUSHING POINTS TO LIMIT DAMAGE DURING CONSTRUCTION.
30. PRESSURE TRANSMITTER TO BE MEASURED MBR21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM/FLUSH SYSTEM REQUIREMENTS.
31. WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE FLOW SYSTEMS O.A. SUBMISSION CHECKLIST.

RECYCLED WATER NOTES

1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS, FLOW SYSTEMS SUPPLEMENTARY MANUAL TO W.S.A.A. & WSA 03-2011-31 ISTONEY WATER WATER EDITION - 04N.
2. POTABLE WATER SHALL BE UTILISED FOR THE 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 FLOW SYSTEMS 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 CONTRACTOR SHALL LOCATE AND IDENTIFY ALL EXISTING SERVICES PRIOR TO CONSTRUCTION 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 CONTRACTOR SHALL VERIFY WITH THE SITE SURVEYOR THE POSITION & LEVEL OF ALL EXISTING & PROPOSED BOUNDARIES PERTINENT TO THE INFRASTRUCTURE INSTALLATIONS.
6. MAINS TO BE LAD GENERALLY AS INDICATED. INSTRUCTION NOTES SHALL TAKE PRECEDENCE OVER DIAGRAMS WHERE PROVIDED. 60mm HORIZONTAL CLEARANCE TO BE MAINTAINED BETWEEN ALL SEWER & WATER MAINS. MINIMUM PIPE COVER SHALL BE 800mm IN FOOTWAYS & 1200mm IN ROADWAYS. MAXIMUM PIPE COVER SHALL BE 15m WHERE COVER FOR A WATER MAIN IS REQUIRED. MAXIMUM PIPE COVER SHALL BE 30m WHERE COVER FOR A SEWER MAIN IS REQUIRED. MAXIMUM PIPE COVER SHALL BE 45m WHERE COVER FOR A TRUNKED INSTALLATION EXCEEDS 15m, BUT LESS THAN 15m. THE MAINS AS A MINIMUM SHALL BE EMBEDDED IN STABILISED SAND. THE CONTRACTOR SHALL ENSURE THAT ALL PRESSURE MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE DESIGN DRAWINGS & THE CLEARANCE TABLE ADJACENT.
7. ALL RECYCLED WATER MAINS SHALL BE ULAC mPVC (PN10). DIFFERENTIATION OF POTABLE & RECYCLED WATER SYSTEMS SHALL BE AS PER TABLE 4.1, WSA-2011-31 WITH BOTH SERVICES BEING LAD IN A COMMON TRENCH. MAXIMUM PIPE COVER SHALL BE 15m WHERE COVER FOR A POTABLE MAINS. 30mm 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 PNEUMATIC IN VICINITY OF STOP VALVES TO ENSURE SUFFICIENT COVER IS MAINTAINED OVER VALVES. LOWERING OF PNEUMATIC 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 WSA PRODUCT SPECIFICATION PSS-350, 360 & 360. GEOTECHNICAL CONDITIONS SHOULD BE ASSESSED DURING CONSTRUCTION BY THE CONTRACTOR. THE CONTRACTOR SHALL ENSURE THAT ALL PRESSURE MAINS HAVE SUFFICIENT VERTICAL SEPARATION AS PER THE DESIGN DRAWINGS & THE CLEARANCE TABLE ADJACENT.
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 & ANTI-CLOCKWISE CLOSING.
13. HYDRANTS MUST NOT BE INSTALLED IN POTENTIAL OVERHEADY LOCATIONS, HYDRANTS & WATER SERVICES SHALL BE NORMALLY AT LEAST 3m 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-205.
15. ALL PROPERTY MAIN TO METER SERVICE CONNECTIONS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THE DESIGN DRAWINGS & THE FLOW SYSTEMS WEBSITE FOR CURRENT REQUIREMENTS. REFER TO FLOW SYSTEMS WEBSITE FOR CURRENT REQUIREMENTS. http://www.wsa.com.au/documents/and_downloads/WAT-105-FS.pdf & http://www.wsa.com.au/documents/and_downloads/WAT-106-FS.pdf.
16. PROPERTY SERVICE CONNECTIONS SHALL BE FLUSHED & LOCKED BY THE PITT TOWN WATER REPRESENTATIVE FOLLOWING SUCCESSFUL PRESSURE TESTING.
17. SURFACE FITTINGS LOCATED IN TRAFFICABLE AREAS IN ROADWAYS, PATHS &H) SHALL HAVE HEAVY DUTY SURROUNDS INSTALLED.
18. ALL MAINS SHALL BE TESTED IN ACCORDANCE WITH WSA 03-2011-31 ISTONEY WATER EDITION - 04N.
19. ALL MAINS SHALL BE FLUSHED WITH WATER TO REMOVE ANY DEBRIS PRIOR TO COMMISSIONING.
20. WATER QUALITY SHALL BE IN ACCORDANCE WITH WSA 03-2011-31 ISTONEY WATER EDITION - 04N CLAUSE 19.1.
21. THE CONTRACTOR SHALL PROVIDE PITT TOWN WATER WITH MINIMUM OF 7 DAYS NOTICE IN WRITING TO COMPLY WITH THE REQUIREMENTS OF THE WATER SUPPLY CODE OF AUSTRALIA. NOT PERMITTED UNTIL COMPLAINT TEST RESULTS HAVE BEEN PROVIDED & CONFIRMATION IS PROVIDED BY THE PITT TOWN WATER 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/OCCUPYER PRIOR TO COMMENCEMENT OF WORK IN PRIVATE PROPERTY.
24. BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL M.A.C. DETAILS HAVE BEEN OBTAINED & APPROVAL FOR BACKFILLING GIVEN BY THE PITT TOWN WATER REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE MGA, 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:
NON-TRAFFICABLE PIPE EMBEDMENT ZONE: 10
TRAFFICABLE PIPE EMBEDMENT ZONE: 15
TRENCH FILL ZONE: 15
TRENCH FILL ZONE 1 TEST / 100m (2 Tests)
26. SURFACE IDENTIFICATION MARKERS ARE TO BE PROVIDED TO PITT TOWN WATER REQUIREMENTS.
27. PRESSURE TRANSMITTER TO BE MEASURED MBR21 GENERAL PURPOSE TRANSMITTER WITH MICROSPIDER LOGGING TELEMETRY AND ALARM/FLUSH SYSTEMS REQUIREMENTS.
28. WORK-AS-CONSTRUCTED DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR STRICTLY IN ACCORDANCE WITH THE FLOW SYSTEMS O.A. SUBMISSION CHECKLIST.

GENERAL NOTES

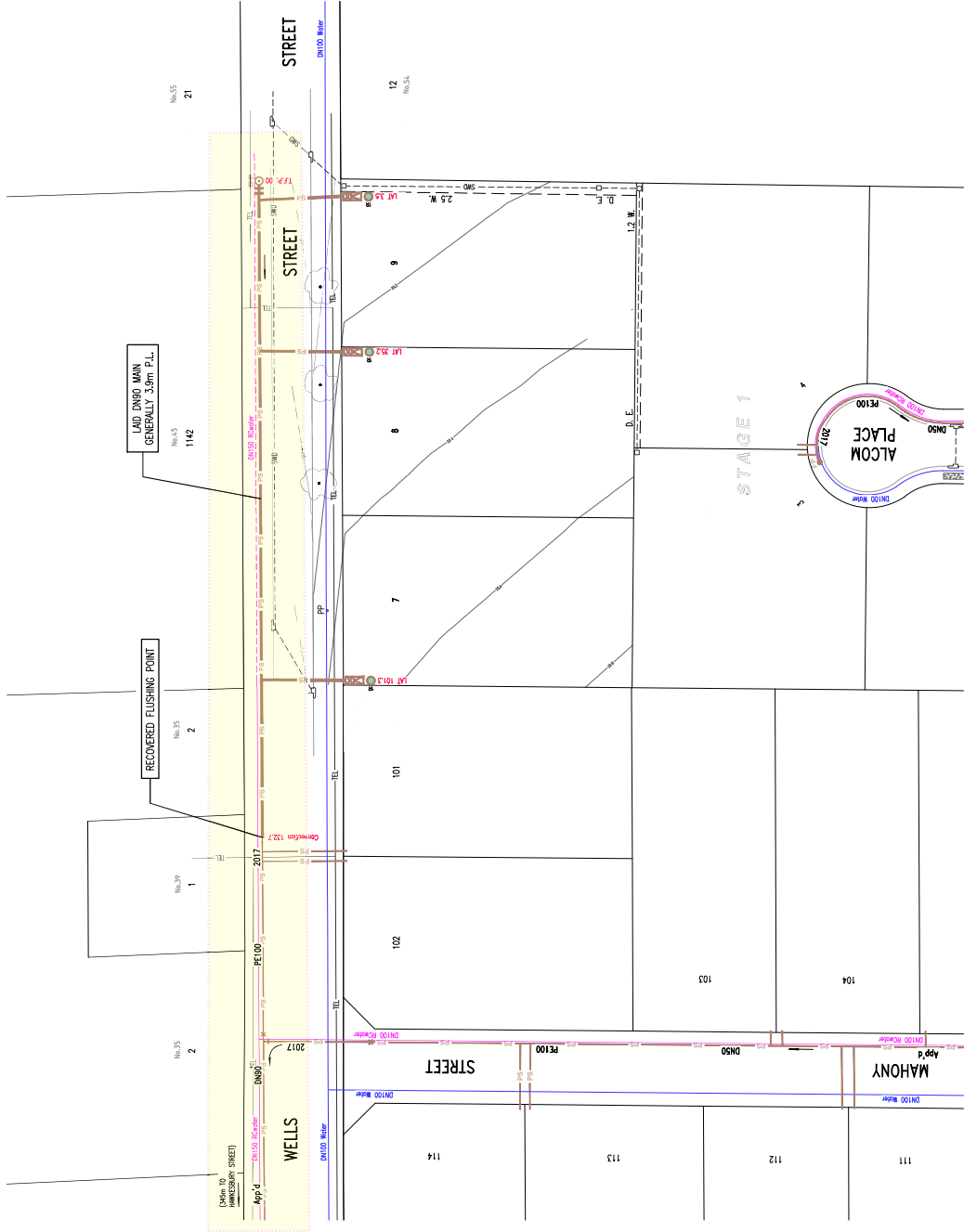
WORK-AS-CONSTRUCTED

1. THIS DRAWING SET SHALL BE READ IN CONJUNCTION WITH THE HAMESBURY CITY COUNCIL STANDARDS, FLOW SYSTEMS SUPPLEMENTARY MANUAL TO W.S.A.A. & OTHER ASSOCIATED DRAWINGS AND TECHNICAL SPECIFICATIONS.
2. ALL PRESSURE SEWER LATERALS & RECYCLED WATER PROPERTY SERVICE CONNECTIONS CROSSING CARBONWAYS 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 INDICATIVE ONLY.
4. MAKE SMOOTH TRANSITION TO EXISTING SERVICES (ie. ROAD PAVEMENTS AND FOOTPATHS) TO P.C.A. AND SUPERINTENDENTS REQUIREMENTS.
5. SURFACE PROTECTION OF EXISTING ROAD PAVEMENT, KERB AND GUTTER, FOOTPATHS AND LANDSCAPES AND 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 mm
	DN2000	New main size DN2000	
Water main ¹ • 2005	600	600	300
Water main ² • 2005	300 ³	600	150
Gas main ⁴	300 ³	600	150
Underground services (Electricity, gas, water, sewer, etc.)	300 ³	600	150
Electricity cables not cables	500	1000	225 ⁴
Stormwater cables	300 ³	600	150 ³
Stormwater pipes	1000 ³ 600	1000 ³ 600	500 ³
Stormwater pressure not storm	600	600	300 ³
Water	150	600 ³	150 (where provided)

- NOTES:
1. Vertical clearance shall be maintained between the water main and any other underground service. The water main shall be installed in a trench with a minimum depth of 1.0m. The water main shall be installed in a trench with a minimum depth of 1.0m. The water main shall be installed in a trench with a minimum depth of 1.0m.
2. For gas mains, the minimum vertical clearance shall be 1.0m. The gas main shall be installed in a trench with a minimum depth of 1.0m. The gas main shall be installed in a trench with a minimum depth of 1.0m.
3. For stormwater mains, the minimum vertical clearance shall be 1.0m. The stormwater main shall be installed in a trench with a minimum depth of 1.0m. The stormwater main shall be installed in a trench with a minimum depth of 1.0m.
4. For electricity mains, the minimum vertical clearance shall be 1.0m. The electricity main shall be installed in a trench with a minimum depth of 1.0m. The electricity main shall be installed in a trench with a minimum depth of 1.0m.
5. For water mains, the minimum vertical clearance shall be 1.0m. The water main shall be installed in a trench with a minimum depth of 1.0m. The water main shall be installed in a trench with a minimum depth of 1.0m.
6. For gas mains, the minimum vertical clearance shall be 1.0m. The gas main shall be installed in a trench with a minimum depth of 1.0m. The gas main shall be installed in a trench with a minimum depth of 1.0m.
7. For stormwater mains, the minimum vertical clearance shall be 1.0m. The stormwater main shall be installed in a trench with a minimum depth of 1.0m. The stormwater main shall be installed in a trench with a minimum depth of 1.0m.
8. For electricity mains, the minimum vertical clearance shall be 1.0m. The electricity main shall be installed in a trench with a minimum depth of 1.0m. The electricity main shall be installed in a trench with a minimum depth of 1.0m.
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CAUTION
REDUCED COVER
ABOVE SERVICES IN
THIS GENERAL AREA

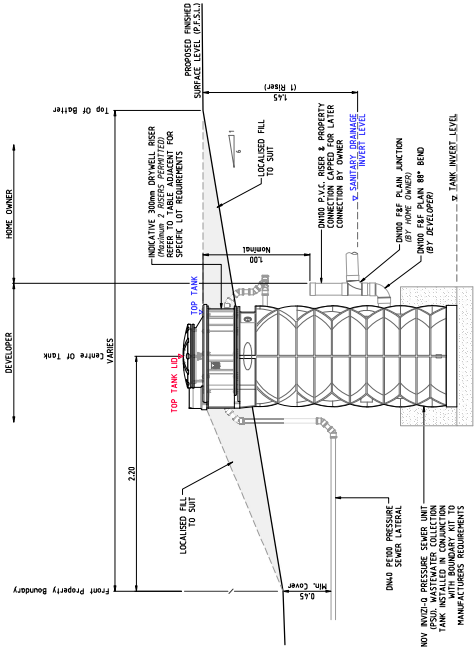
PRESSURE SEWER LEGEND

✕	STOP VALVE
⊗	STOP VALVE (NORMALLY CLOSED)
⊥	TAPER
⊕	FLUSHING POINT
⊖	TEMPORARY FLUSHING POINT
⊙	PROPERTY BOUNDARY KIT
⊗	COLLECTION TANK (STANDARD)
⊗	COLLECTION TANK (WITH 300mm RISER)
⊗	COLLECTION TANK (WITH 2200mm RISERS)
⊗	CONTROL/ALARM PANEL
⊗	ELECTRICAL CABLES
⊗	FLOW METER
⊗	AIR VALVE
⊗	PRESSURE MONITORING POINT
⊗	REMOTE MONITORED PRESSURE TRANSDUCER
⊗	VERTICAL DEFLECTION

PRESSURE SEWER COLLECTION TANK LEVEL DETAILS
44 WELLS STREET SUBDIVISION, PITT TOWN [STAGE 2]

LOT NUMBER	COLLECTION TANK LOCATION <i>[FRONT / REAR]</i>	TANK SIZE <i>[900L / 2200L]</i>	PESL AT TANK LOCATION	QUANTITY OF DRYWELL RISERS REQUIRED	TOP OF COLLECTION TANK <i>[Design R.L.]</i>	DESIGN SANITARY DRAINAGE INVERT LEVEL <i>[Design R.L.]</i>	TOP OF COLLECTION TANK LID* <i>[Work-As-Constructed]</i>	CALCULATED SANITARY DRAINAGE INVERT LEVEL <i>[Work-As-Constructed]</i>
7	FRONT	900L	23.55	1	23.55	22.10	23.25	22.11
8	FRONT	900L	23.23	1	23.23	21.78	23.49	21.85
9	FRONT	900L	23.05	1	23.05	21.60	23.32	21.68

* COLLECTION TANK LEVEL PROVIDED TO GPS ACCURACY
AND SHALL BE VERIFIED BY THE CONSTRUCTOR PRIOR TO MAKING CONNECTION TO TANK
CONSTRAINTS PRIOR TO MAKING CONNECTION TO TANK



COLLECTION TANK SECTIONAL ELEVATION

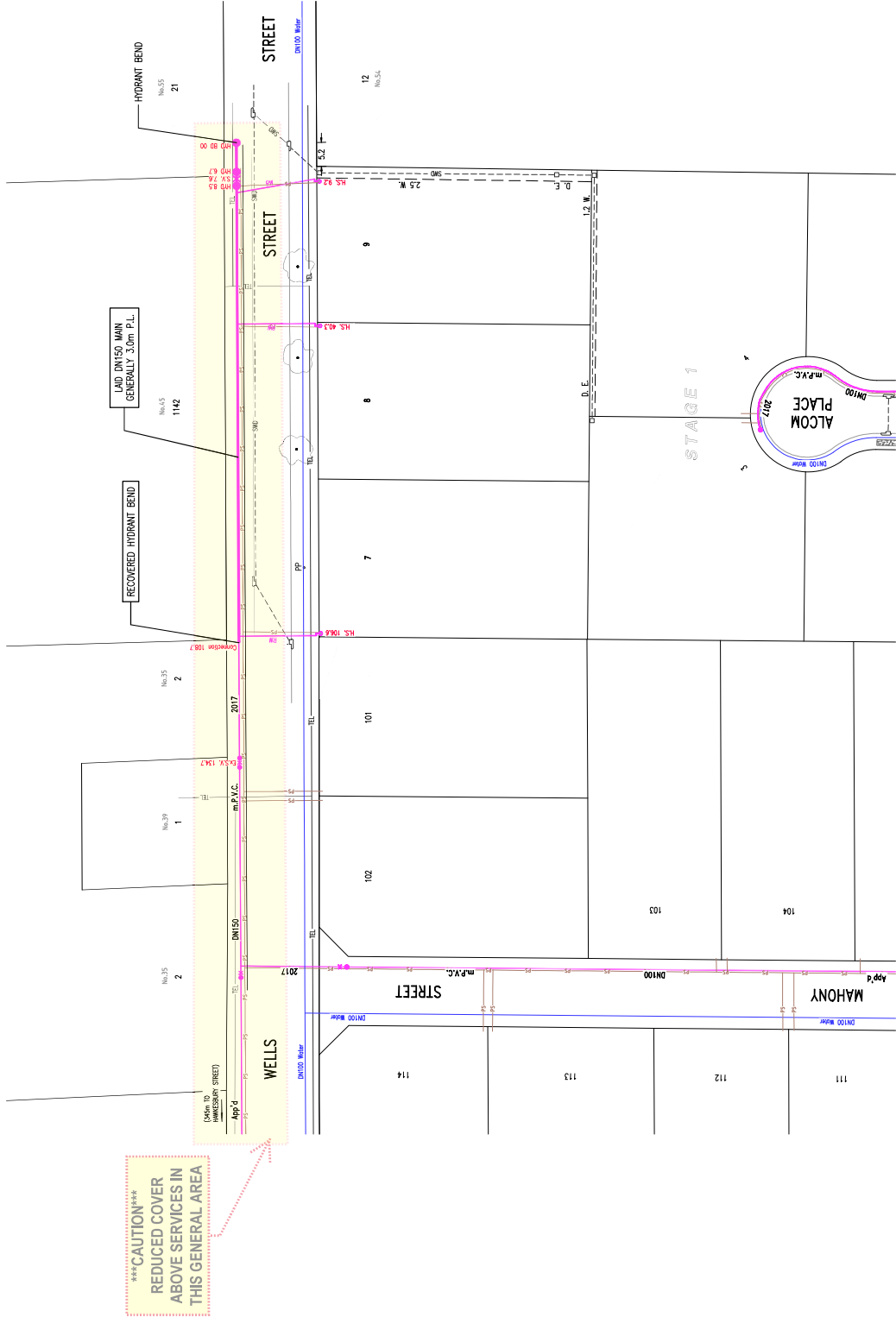
SCALE 1:25

COLLECTION TANK NOTES

1. DESIGN SURFACE LEVELS WERE ELECTRONICALLY EXTRACTED FROM DIGITAL DATA SUPPLIED BY RACK CONSTRUCTIONS (NGL) Pty. Ltd. (22/2/2017) (AG-AD-5279_Stage 2-Subsidiary).
2. DESIGN LEVELS CAN ONLY BE ASSUMED AS CURRENT AT THE TIME OF EXTRACTION. ALL LEVELS SHALL BE CHECKED AGAINST THE SURFACE LEVELS OF THE SITE PRIOR TO CONSTRUCTION. THE CONSTRUCTOR SHALL CONTACT THE DESIGNER IMMEDIATELY IF THE SURFACE LEVELS DIFFER BY MORE THAN 10mm. THE CONSTRUCTOR SHALL CONTACT THE DESIGNER IMMEDIATELY IF THE SURFACE LEVELS DIFFER BY MORE THAN 10mm.
3. COLLECTION TANK SETOUT SHALL BE COMPLIANT WITH FES-900A-FS & FES-5000A-FS. COLLECTION TANK INSTALLATION LEVELS DOCUMENTED ADJACENT SHALL SUPERSEDE ANY LEVELS ADVISED ON DRAWING FES-5000A-FS.
4. R.A.P. ACCEPTS NO RESPONSIBILITY FOR INCONSISTENCIES IN EXTRACTED LEVELS RESULTING FROM CHANGES TO THE MODEL (SURFACE LEVEL) INFORMATION POST DATE EXTRACTION DATE.



COLLECTION TANK LEVEL DETAILS



RECYCLED WATER LEGEND	
	PROPOSED MAIN
	EXISTING MAIN
	FUTURE MAIN
	STOP VALVE
	STOP VALVE (BYPASS)
	HYDRANT
	CONTROL VALVE (HYDRANT)
	TAPER
	WATER SERVICE CONNECTION
	FLOW METER
	AIR VALVE
	VERTICAL DEFLECTION
	REMOTE MONITORED PRESSURE TRANSDUCER