

LEGEND

- EXISTING TREE
- TREE TO BE REMOVED
- TBM'S
- EXISTING SEWER
- PROPOSED SEWER
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- PROPOSED WATER CONDUIT
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- PROPOSED GAS CONDUIT
- EXISTING TELSTRA LINE
- EXISTING TELSTRA FIBRE OPTIC CABLE
- PROPOSED TELSTRA LINE
- PROPOSED TELSTRA CONDUIT
- 100ARR OVERLAND FLOW PATH
- EXISTING UNDERGROUND ELECTRICITY SUPPLY
- EXISTING OVERHEAD ELECTRICITY SUPPLY
- PROPOSED UNDERGROUND ELECTRICITY SUPPLY
- PROPOSED ELECTRICITY CONDUIT
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- PROPOSED AG DRAIN
- PROPOSED 150a PROPERTY DRAIN COLLECTOR PIPE
- TITLE BOUNDARY
- EASEMENTS
- EXISTING KERB & CHANNEL
- PROPOSED KERB & CHANNEL
- EXISTING EDGE OF SEAL
- EXISTING FENCES & GATES
- EXISTING TOP OF BANK
- EXISTING TOE OF BANK
- PROPOSED TOP / TOE OF BANK
- EXISTING INVERT OPEN DRAIN

WARNING!
BEWARE OF UNDERGROUND SERVICES
 The locations, type and depth of underground services shown are approximate only and are based on authority records. The exact position of these services is to be proven on site and site locations obtained from the relevant authorities before commencement of any works. No guarantee is given that all existing underground services are shown.

Goulburn Valley Water acknowledges receipt of these plans and specifications and relies on the Certification of the Accredited Consultant that there is a compliance with the Goulburn Valley Water design and documentation requirements, subject to any permitted variations listed in the Design Certification.
 Works may now commence in accordance with these plans and specifications.
 No changes can be made to these plans and specifications without the written consent of Goulburn Valley Water.
 Delegated Goulburn Valley Water Officer:

 Date: _____



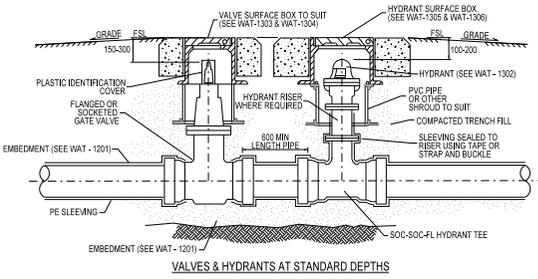
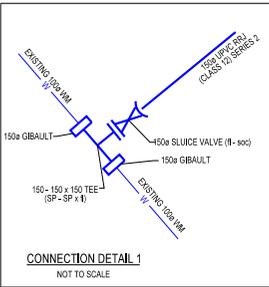
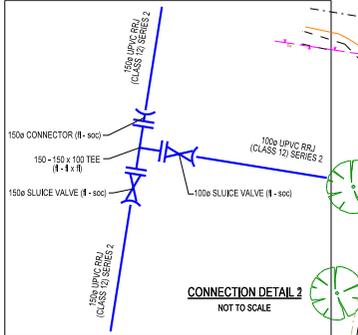
WATER NOTES

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY GOULBURN VALLEY WATER (GVW).
2. GVW IS TO BE NOTIFIED IN WRITING A MINIMUM OF TWO (2) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF ANY WORKS.
3. THE CONTRACTOR SHALL HAND PROVE ANY EXISTING WATER SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. WHERE WORKS ARE IN THE VICINITY OF AN AUTHORITIES EXISTING ASSETS, THESE ASSETS ARE TO BE LOCKED AND THE RELEVANT AUTHORITY NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORKS.
5. MINIMUM COVER BELOW THE FINISHED SURFACE LEVEL SHALL BE 800mm TO THE TOP OF THE MAIN.
6. WHERE MAINS CROSS STORMWATER DRAINS, THERE SHALL BE A MINIMUM CLEARANCE OF 150mm BETWEEN THE MAIN AND THE STORMWATER DRAIN.
7. WHERE CONCRETE ANCHORAGES ARE USED, THE MAINS TO BE WRAPPED IN A PLASTIC MEMBRANE, RAPID SET CONCRETE IS NOT ACCEPTABLE.
8. ALL TRENCHES CROSSING ROADS SHALL BE BACKFILLED WITH MECHANICALLY COMPACTED CLASS 3 FOR TO THE SATISFACTION OF THE ROAD OWNER, REFER TO STANDARD DRAWINGS WAT-1201 AND WAT-1202 FOR TRENCH EMBEDMENT AND BACKFILL REQUIREMENTS.
9. ALL VALVES AND FIRE PLUGS ARE TO BE PLACED CLEAR OF ANY PROPOSED OR EXISTING VEHICLE CROSSING, REFER TO STANDARD DRAWINGS WAT-1201 AND WAT-1202 FOR INSTALLATION DETAILS.
10. ALL PIPELINE FITTINGS FOR JOINING 80a UPVIC PIPES SHALL BE CAST OR DUCTILE IRON, CEMENT LINED AND CONFORM TO AS2544 AND AS2280.
11. WHERE GIBALUT JOINTS ARE USED THEY ARE TO BE THE ELONGATED TYPE OR VARI GB TYPE ONLY.
12. CONNECTION TO EXISTING MAINS IS TO BE CARRIED OUT BY GVW STAFF FOLLOWING TESTING BY THE CONTRACTOR TO GVW STANDARDS, THE CONTRACTOR IS TO PROVIDE ALL MATERIALS AND LABOUR NECESSARY FOR THE CONNECTION.
13. FOR CONNECTIONS TO EXISTING MAINS THE DEPTH OF THE EXISTING MAIN IS TO BE VERIFIED PRIOR TO COMMENCING WORKS ON THE GVM WATER MAIN.
14. AT THE END OF EACH DAY ALL MAINS ARE TO BE PLUGGED TO PREVENT SILT FROM GROUND WATER ENTERING ANY MAINS DURING THE CONSTRUCTION WORKS PERIOD.
15. ON THE COMPLETION OF THE WORKS THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND EXCESS SOIL FROM THE SITE.
16. MARKER POSTS ARE TO BE PROVIDED FOR ALL FIRE PLUGS, SLUCE VALVES, BENDS ETC...
17. WHERE THE WATER MAIN TRAVERSES OTHER SERVICES, APPLICABLE CLEARANCES TO BE MAINTAINED AS PER WSAA STANDARDS.

STANDARD DRAWING REFERENCE LIST

STANDARD DRAWING NUMBER	STANDARD DRAWING NAME
WSA WAT-108	PROPERTY SERVICES TO MAIN
WSA WAT-1201	EMBEDMENT & TRENCHFILL
WSA WAT-1202	STANDARD EMBEDMENT
WSA WAT-1205	THRUST BLOCK - CONCRETE
WSA WAT-1206	THRUST BLOCK - TIMBER & PLASTIC
WSA WAT-1301	VALVE INSTALLATION
WSA WAT-1302	HYDRANT INSTALLATION

Water Services Association of Australia - Water Supply Code (WSA-03-2002 Version 2.2)



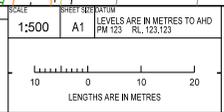
SERVICE OFFSET TABLE

STREET NAME	RESERVE	BACK OF KERB	WATER	GAS	ELECTRICITY	TELSTRA
DEADHORSE LANE	20.00	4.70	1.00 NORTH (80mm)	NA	2.40 SOUTH	2.10 SOUTH
PLEASANT STREET	18.00	4.95	2.40 WEST	NA	2.40 WEST	2.10 WEST
ROSES WAY	18.00	4.95	2.40 NORTH	NA	2.40 SOUTH	2.10 SOUTH



VERSION	DATE	AMENDMENT / VERSION DESCRIPTION	NOTES
01	21 MARCH 2016	ISSUED FOR AUTHORITY COMMENTS	COUNCIL PLANNING PERMIT: P05349P15

PRELIMINARY DRAWING
 NOT TO BE USED FOR CONSTRUCTION PURPOSES



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WATER RETICULATION LAYOUT PLAN
 LOYOLA RUN ESTATE
 DEADHORSE LANE, MANSFIELD
 - LOYOLA RUN PTY LTD

ISSUE STATUS
 FOR COMMENT
 REFERENCE NUMBER
 M3065 | 01 | SHEET 2 OF 6

