



FIGURE 109-A: DUAL RETICULATION SEWERS IN THE ROAD RESERVE

TABLE 109-A: POINT OF CONNECTION TIES AND FRONT OFFSETS

PROPERTY CONNECTION LOCATION	SIDE TIE
DRIVEWAY SIDE OF LOT AND TYPE 1A, 4A OR B CONNECTION, or LOT IS <10m WIDE	1.2m (FROM DRIVEWAY SIDE BOUNDARY)
DRIVEWAY SIDE OF LOT AND TYPE 1B, 2, 4B OR S CONNECTION, and LOT IS ≥10M WIDE	7m (FROM DRIVEWAY SIDE BOUNDARY)
ADJACENT TO SIDE BOUNDARY AWAY FROM DRIVEWAY	2.5m (FROM SIDE BOUNDARY NOT ADJACENT TO DRIVEWAY)

BUILDING ENVELOPE	FRONT OFFSET
BUILDING ENVELOPE FRONT OFFSET > 1m	300 INSIDE PROPERTY BOUNDARY
BUILDING ENVELOPE FRONT OFFSET ≤ 1m	600 INSIDE ROAD RESERVE

NOTES Regarding Point of Connection Ties and Front Offsets:

- It is assumed drainage services are at 5.5m from side boundaries. A 7m sewerage service tie therefore provides adequate clearance between the drain and sewerage services.
- Where building envelope front offsets are ≤1m from the front boundary and the property connection is finished 600 inside the road reserve boundary, the inspection opening at the end of the service is to be brought to surface and capped with a ductile iron trafficable cover.
- For CWW, the developer may elect to install privately owned house drain plumbing (to AS/NZS 3500) to the road reserve boundary (or beyond) to prevent the future need for pavement to be excavated. This short section of private plumbing may be completed without receiving PIC from the Water Agency.

- NOTES:**
- Dual reticulation sewers are more cost effective (than multiple road crossings) where:
 - The road reserve is wider,
 - The frontage of lots is small,
 - There are deep obstructions which would lead to road crossing sewers needing to be deepened.
 - Locate retic / branch sewer mains under the footpath / nature strip, and
 - Locate as close to the center of the nature strip as practicable,
 - Maintain minimum clearances of sewers and maintenance structures from other services in accordance with section 5.4.5.2 of the code, and
 - Maintain at least the minimum offset from the front property boundary.
 - Ensure maintenance structure covers are contained entirely within the footpath pavement or nature strip if practicable.
 - Sewerage mains aligned (parallel) and under the road pavement are only allowed if there is insufficient available space under the footpath / nature strip.

LEGEND

- PROPERTY CONNECTION PIPEWORK
- RETICULATION MAIN PIPEWORK
- MAINTENANCE STRUCTURE
- PROPERTY BOUNDARY
- WRGTEETWRG SERVICE CONNECTIONS

ALL DIMENSIONS IN mm UNLESS STATED OTHERWISE				DESIGNED: R. JAGGER	DATE: 1 JULY 2015
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MELBOURNE RETAIL WATER AGENCIES

MRWA SEWERAGE STANDARDS

ROAD RESERVE SEWERAGE SERVICING DUAL RETICULATION ARRANGEMENTS

NOT TO SCALE

MRWA-S-109

Planning	Design	Construction
✓	✓	✓