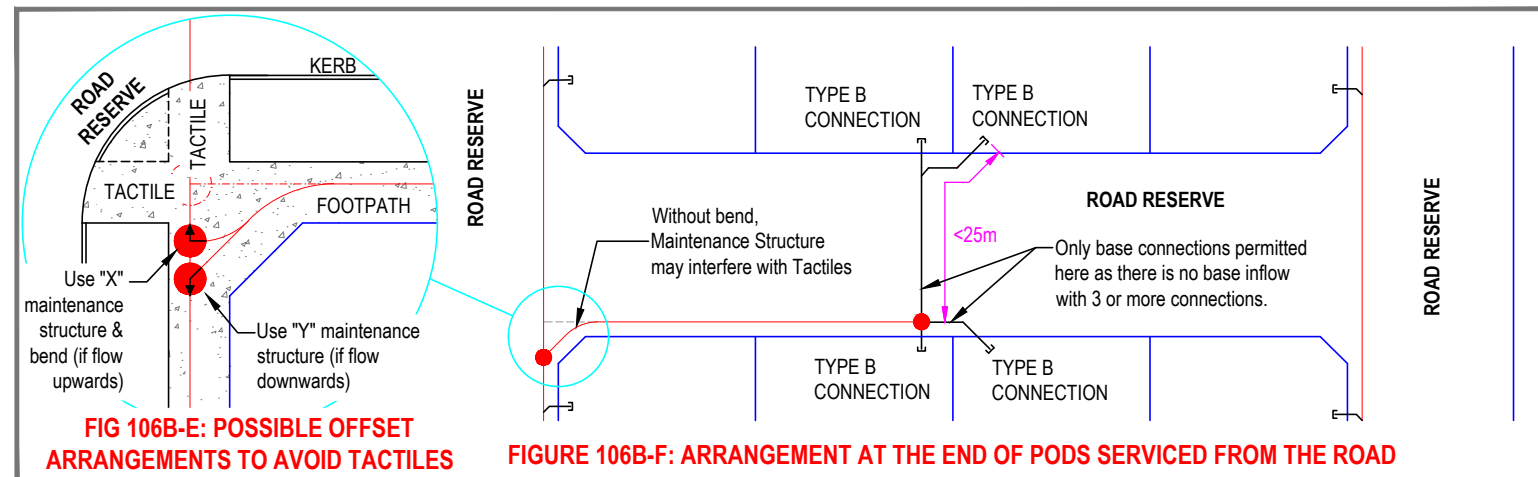
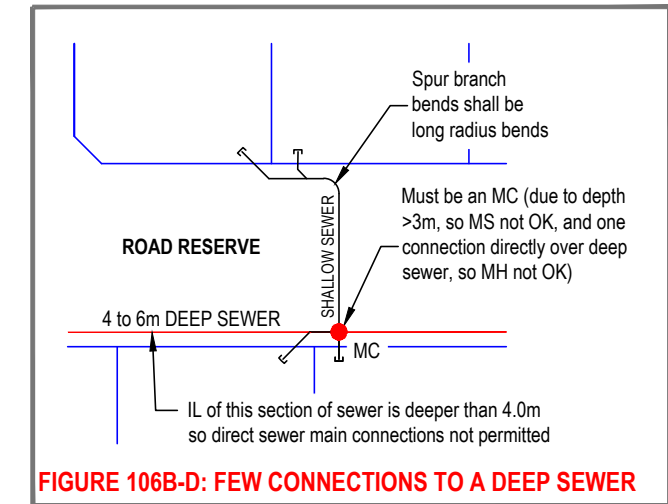
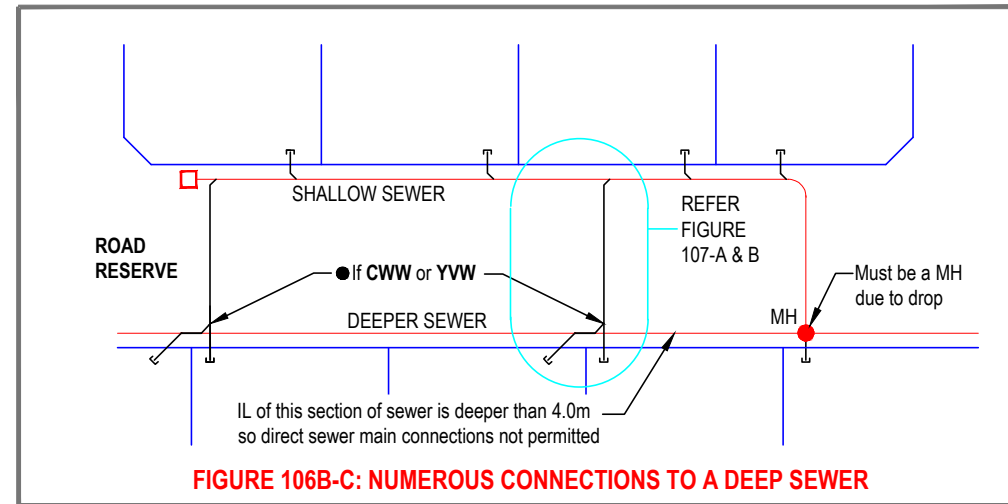
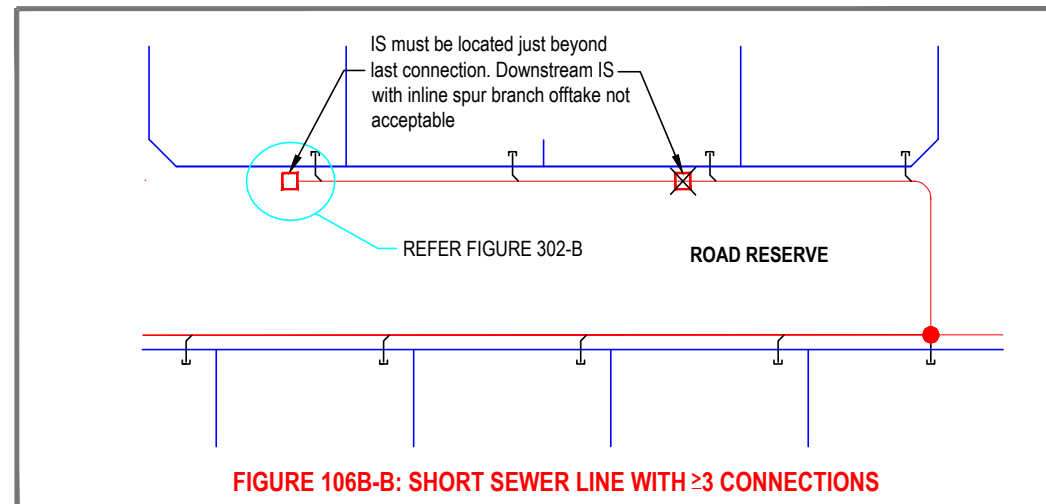
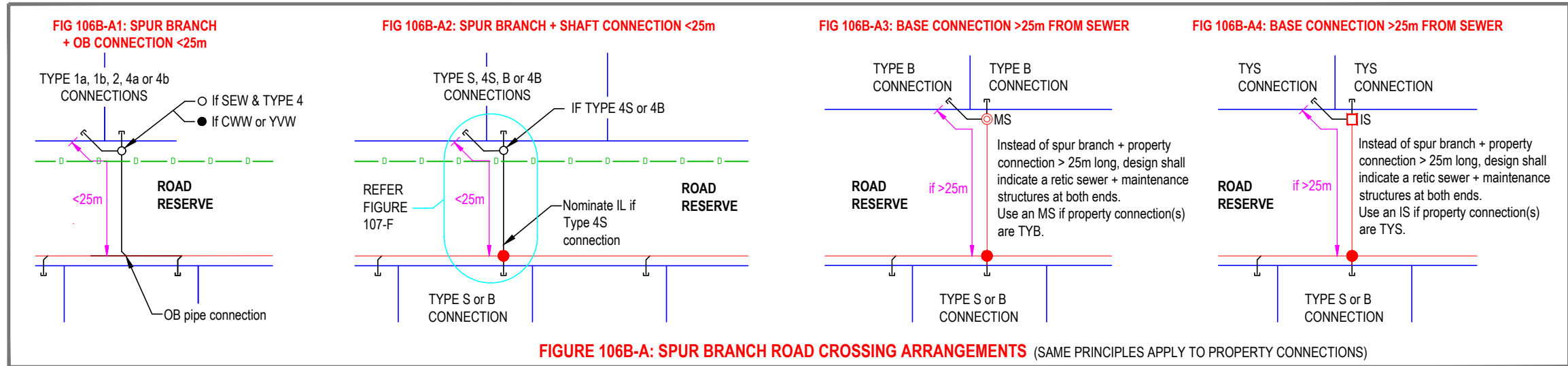


**NOTES Regarding Road Reserve Maintenance Structures and Spur Branches:**

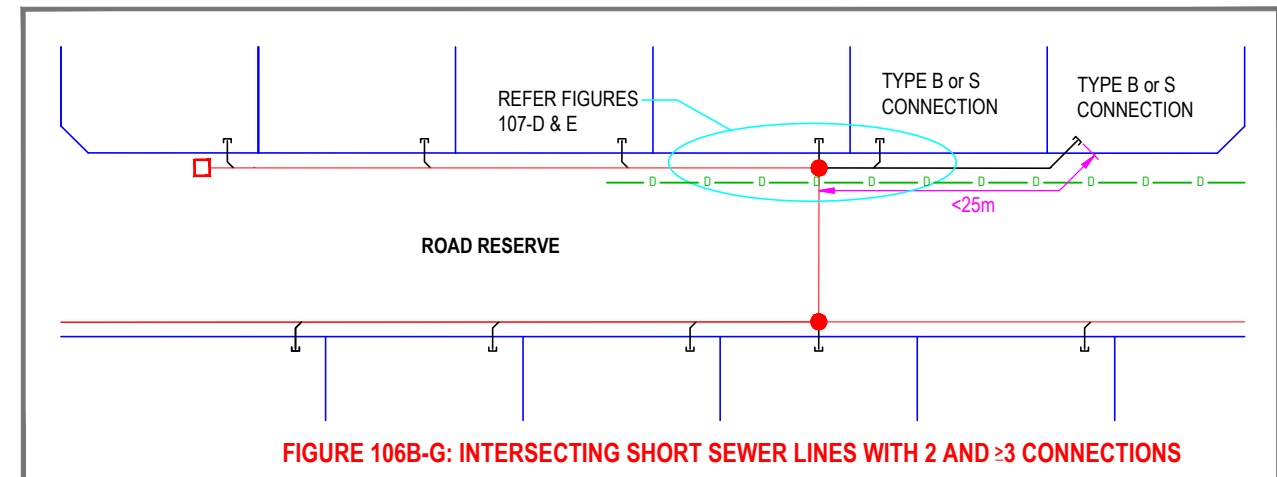
- Where spur branch + property connection > 25m long, transition as much of the sewer as possible to a retic sewer with upstream Maintenance Structure.
  - Upstream Maintenance Structure shall be an IS if the end connection(s) are Shaft connections.
  - Upstream Maintenance Structure shall be a MS if the end connection(s) are Base connections.
- CWW and YVW require that property connections or spur branches which a) cross the road, and b) don't discharge to a Maintenance Structure, shall have an IO to surface at the US end in the footpath or nature strip.
  - Every reticulation line shall be able to be CCTV'd. This means that both Maintenance Structures at either end cannot be 60° or 90° Maintenance Structures. Note that a Maintenance Structure with 2 shaft inflows and only one base inflow could be a 60° or 90° Maintenance Structure.
  - If two consecutive Maintenance Structures are 60° or 90° Maintenance Structures, change one to a 4 way base Maintenance Structure and specify unused inflows to be capped.

**LEGEND**

- SEWERAGE PIPE (DN150 TO DN450)
  - PROPERTY CONNECTION OR SPUR BRANCH PIPE
  - MS, MC or MH
  - IS
  - "JUMP UP". BURIED SHAFT
  - INSPECTION OPENING (IO) TO SURFACE
  - PROPERTY BOUNDARY
  - OBSTRUCTION
  - DS DOWNSTREAM
  - US UPSTREAM
- EASEMENTS NOT SHOWN FOR CLARITY



**FIGURE 106B-F: ARRANGEMENT AT THE END OF PODS SERVICED FROM THE ROAD**



ALL DIMENSIONS IN mm UNLESS STATED OTHERWISE				DESIGNED: R. JAGGER		DATE: MAR 2019	
				DRAWN: R. JAGGER		DATE: MAR 2019	
CHECKED: NAME		DATE		APPROVED: NAME		DATE	
<input checked="" type="checkbox"/> CWW		G. ANTHONSEN		<input checked="" type="checkbox"/> CWW		S. TRIKHA	
<input checked="" type="checkbox"/> SEW		C. PAXMAN		<input checked="" type="checkbox"/> SEW		D. STEWART	
<input checked="" type="checkbox"/> YVW		N. GERHARD		<input checked="" type="checkbox"/> YVW		R. LEON	
ISSUED 2020				VERSION 1			
REV	DESCRIPTION	DATE	APPROVED				
1	NEW STANDARD, SPLIT FROM MRWA-S-106	SEP 20	CP / GA / RL				

MELBOURNE RETAIL WATER AGENCIES

City West Water

South East Water

Yarra Valley Water

MRWA SEWERAGE STANDARDS

ROAD RESERVE RETICULATION DESIGN ARRANGEMENTS

NOT TO SCALE

**MRWA-S-106B**

Planning	Design	Construction
✓	✓	✓