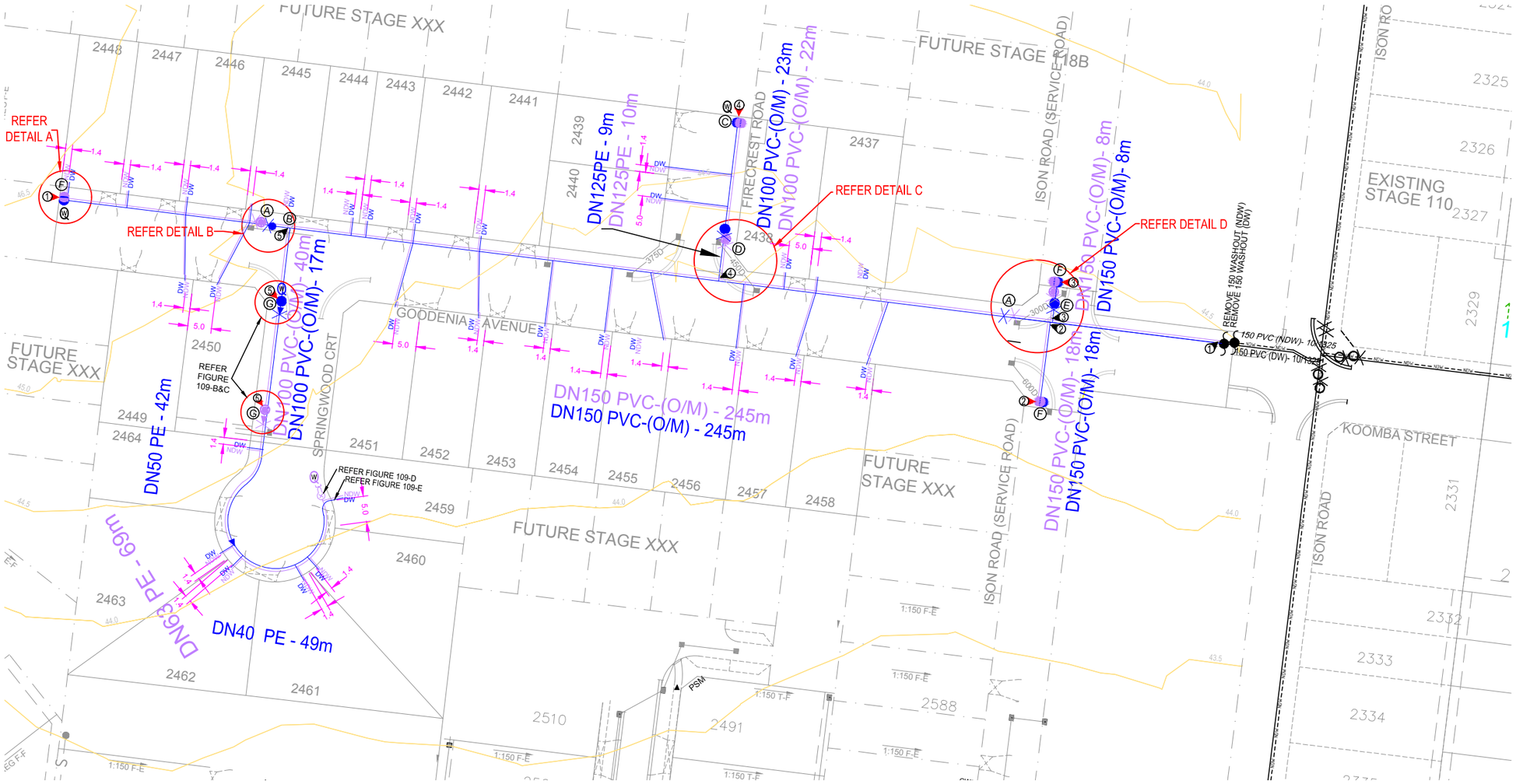

DETAIL PLAN

LEGEND (Designer to bring in all required symbols from MRWA-W-100 into this legend)

X	VALVE		CHLORINATION
	WATER AUTHORITY HYDRANT. BELOW GROUND.		ELECTROLYSIS
	COUNCIL HYDRANT. BELOW GROUND.		NON RETURN VALVE
	REMOVE FITTING		ENDCAP
	TAPER		FERRULE (MALE OUTLET THREAD)
	SWAB DIRECTION		FL DUCKFOOT BEND WITH HYDRANT
3	SWAB INSERTION POINT		SOC WASHOUT BEND WITH HYDRANT
3	SWAB REMOVAL POINT		RETAINING WALL
W	WATER QUALITY SAMPLING POINT (DUAL WATER)		
W	WATER QUALITY SAMPLING POINT (DW)		
W	WATER QUALITY SAMPLING POINT (NDW)		

Detailed Design Plan to Indicate:

1. All DW & NDW assets (on the same set of plans).
2. All contours (0.5m intervals in flat terrain, 1.0m in undulating terrain, 2.0m in steep terrain).
3. All property boundaries.
4. Red circles for areas covered by details (Details required where there are 6 or more fittings in close proximity (ie; 5 metre diameter circle)).
5. All driveway locations and road pavement boundaries. Only intersection kerb has been shown. All kerb may be shown if preferred.
6. Show other authority assets as follows (focus on assets relevant to the construction of the water network(s) to increase clarity)
   - Greenfields development works - show drainage & gas transfer mains. Show any electricity or communications assets on the same side of the road reserve as water mains.
   - Existing built up areas (Brownfields areas) - show all drainage, gas, electricity and communications assets where they are close (within 1m) inc crossings (if available).
7. Property services and their ties from nearest property boundaries.
8. All hydrants, valves, reducers, scours, washouts, curves and bends.
9. All thrust blocks (with reference to thrust block schedule item number).
10. North point & scale.
11. Longitudinal section required for all mains ≥ DN300.
12. Roads alignments, road names, allotment numbers & kerbs.
13. Water main sizes, length and type & offsets.
14. Water main offsets at all changes of alignment.
15. Swabbing insertion and removal points.
16. Initial and full surname of designer and design checker.
17. Water Quality sampling points on existing and new water mains (refer to te MRWA Water Quality specification for details). Show next to property connection (wherever meters are available) or hydrant / washout (where no meters have yet been installed).
18. All retaining walls.

Notes to the Designer:

A. Locate valves and hydrants as per MRWA-W-300A & 300B.
B. Only one property service tie need be shown.
C. Place valves and hydrants optimally on retic / distribution mains first before considering property service locations.

ISSUED FOR CONSTRUCTION

0 10 20 40
Scale 1:1000 @ A3

REV	DESCRIPTION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVED

DESIGNED	A.BCDEFGH DATE: 11/22/3333	PROJECT NUMBER	000000
DRAWN	A.BCDEFGH DATE: 11/22/3333	MELWAY REFERENCE	123 A1
CHECKED	A.BCDEFGH DATE: 11/22/3333	AUTHORISED	A.BCDEFGH DATE: 11/22/3333

Remove the irrelevant Water Agency Logos or turn off relevant layer
MRWA-LOGO-CWW
MRWA-LOGO-SEW
MRWA-LOGO-YVW
MRWA-TEXT-OFF

Yarra Valley Water

YARRA VALLEY WATER
MUNICIPALITY
PROJECT TITLE
NOTES, SCHEDULES & LOCALITY PLAN

SCALE: AS SHOWN @A3
SHEET: 1 OF 5
DRAWING No.: MRWA-W-102A
REV 0