Waste Water Chambers								
Designation	Cover Level	Invert Level		Chamber Type	Cover Grade	Depth	Diameter	Trafficked
		in	out			m	mm	Y/N
FW8	41.63		40.2	MH	D400	1.43	225	Y
FW9	41.5		40.35	MH	D400	1.15	225	Y
FW9.1	41.87	40.6	40.53	MH	D400	1.34	225/150	Y
FW9.1.1	42.18	40.97	40.92	MH	D400	1.26	150	Y
FW9.1.1.2	42.37		41.01	MH	B125	1.36	150	N
FW9.1.1.3	42.37		41.15	MH	B126	1.22	150	N
FW9.1.2	42.15		41.18	MH	B125	0.97	150	N
FW9.2	42.23		41.18	MH	D400	1.05	150	Y
FW9.3	42.4		41.35	MH	D400	1.05	150	Y
FW9.4	42.56	41.6	41.55	MH	D400	1.01	150	Y
FW10	42.1		40.48	MH	D400	1.62	225	Y
FW11	42.22		40.54	MH	B125	1.68	225/150	N
FW12	42.1		40.66	MH	B125	1.44	150/100	N
FW13	42.22	40.96	40.88	MH	D400	1.34	225/150	Y
FW13.1	42.2	41.55	41.5	MH	B125	0.7	150/100	N
FW14	42.43	41.23	41.15	MH	D400	1.28	150/225	Y
FW14.1	42.7	41.64	41.59	MH	D400	1.11	100/150	Y
FW14.2	42.68	41.68	41.63	MH	D400	1.05	100/150	Y

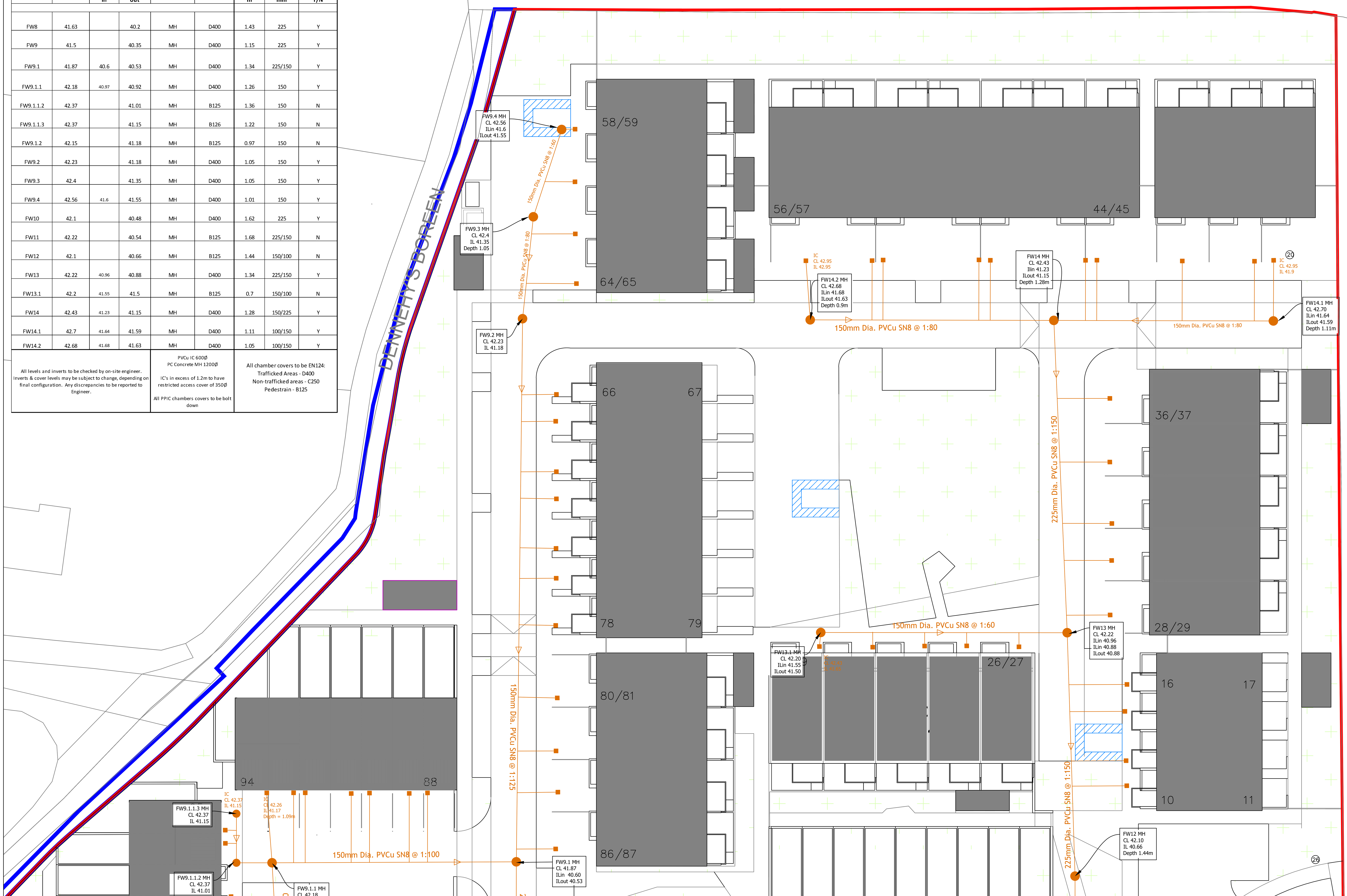
All levels and inverts to be checked by on-site engineer. Inverts & cover levels may be subject to change, depending on final configuration. Any discrepancies to be reported to Engineer.

PVCu IC 600Ø
PC Concrete MH 1200Ø

IC's in excess of 1.2m to have restricted access cover of 350Ø

All PPIC chambers covers to be bolt down

All chamber covers to be EN124:
Trafficked Areas - D400
Non-trafficked areas - C250
Pedestrain - B125



Pipe Ø	Length
150mm	237m
225mm	214m

Legend

- Proposed Wastewater Manhole
- Proposed Inspection Chamber
- Existing Wastewater Sewer
- Proposed Wastewater Sewer
- Site Boundary
- CP Connection Point

N

Cover Grades to EN124:
Trafficked areas - D400
Non-trafficked areas - C250
Pedestrian areas - B125

Pipe Specifications:

Wastewater Pipes:
Unplasticised PVC; Unplasticised PVC pipes and fittings shall comply with the provisions IS EN 1401 2009/2012. Pipes to be application area code “UD”, Stiffness Class 8kN/m2
Provision for jetting shall be based on the WRc
Sewer Jetting Code of Practice, June 1997. Pipes to be capable of resisting a maximum jetting pump pressure of 2,600psi (180 Bar) without damage.
(Sewer diameters 150mm up to 450mm, Service Connections of 100mm diameter.

Wastewater:
Gravity Sewers and Rising Mains shall be designed in accordance with the requirements of BS 9295. As a general guide the, minimum depth of cover from the finished surface to the crown of pipework without protection should be as follows:

- Areas without any possibility of vehicular access - depth not less than 0.5 m;
- Driveways, parking areas and yards with height restrictions to prevent entry by vehicles with a gross vehicle weight in excess of 7.5 tonnes - depth not less than 0.75 m;
- Driveways, parking areas and narrow streets without footways (e.g. mews developments) with access for vehicles with a gross vehicle weight in excess of 7.5 tonnes - depth not less than 0.9 m;
- Agricultural land and public open space - depth not less than 0.9 m;
- Other roadways, highways and parking areas with unrestricted access to vehicles with a gross vehicle weight in excess of 7.5 tonnes – depth not less than 1.2 m.

The depth of cover to pipework can be reduced by the installation of concrete beds and surrounds.

Site Boundaries Outlined in Red.

Refer to revision sheet for all amendment details

Rev	Date	General Revision	Drwn	chkd
B	21.07.26	Layout	JON	MC
A	17.12.25	Layout	JON	MC

issue for: Planning

Client: Wrightwood Developments Ltd.

Project Title: New Development at, Ardshanavooley, Killarney

Drwg Title: Wastewater Layout (2)

Drwn by: JON — Date Sept 2025
chckd by: M.C — Date Sept 2025

Job No: 91-24 | Scale 1:250 | paper size

Drwg No: 91-24-1-804 | Ref | Sheet | Rev B

ENGINEERING
SURVEYING
ARCHITECTURE
teicniuil-priory
consulting engineers
6 PRIORY GROVE,
FAIR HILL
KILLARNEY
CO. KERRY
TEL: 064 6631847
EMAIL: matt@tpce.ie