



**Legend**

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

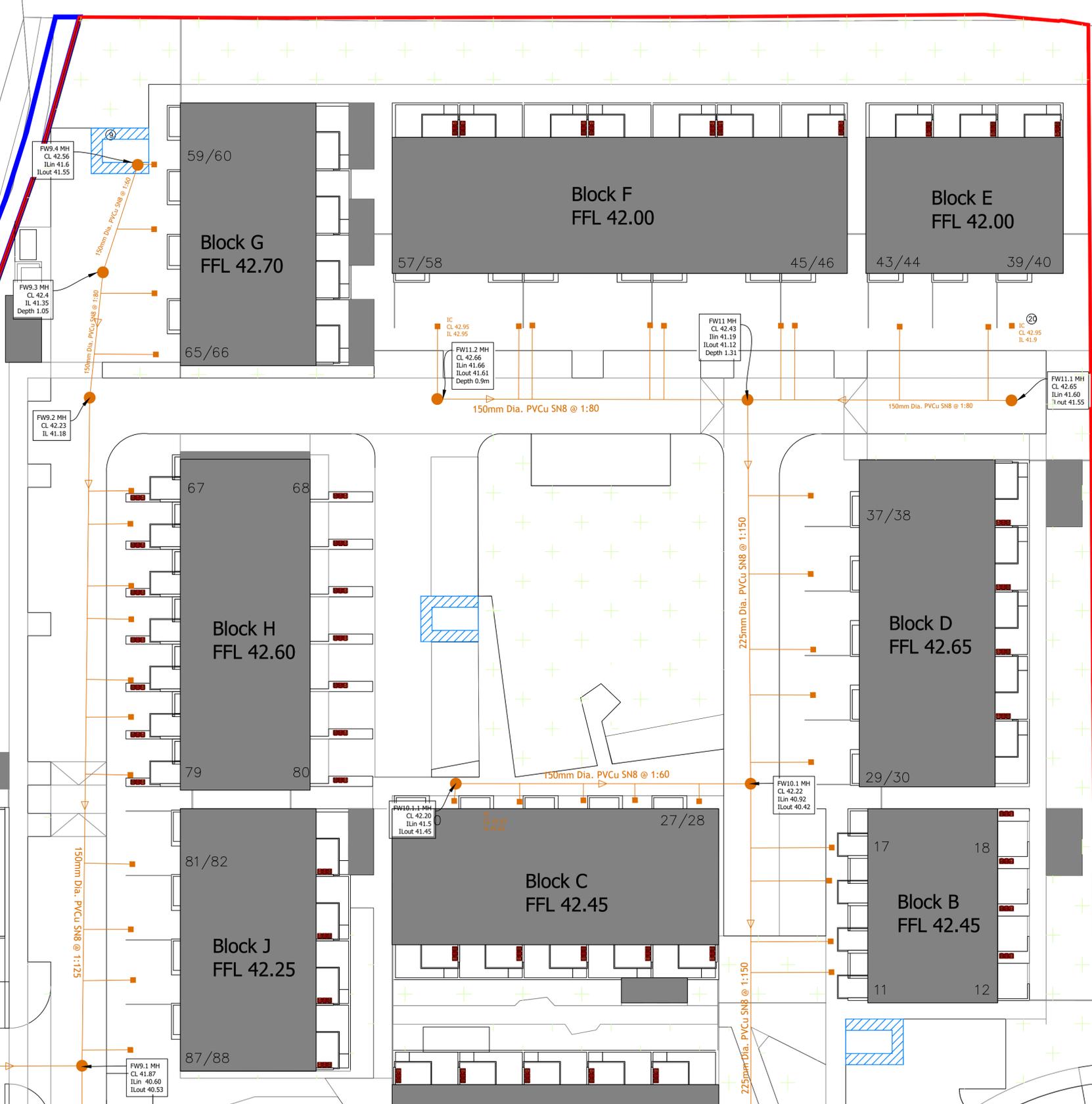
Pipe Ø	Length
150mm	226m
225mm	214m

Waste Water Chambers								
Designation	Cover Level	Invert Level		Chamber Type	Cover Grade	Depth m	Diameter mm	Trafficked Y/N
		in	out					
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	40.96	40.91	MH	D400	1.22	150	Y
FW9.1.2	42.15		41.16	MH	B125	0.99	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		40.45	MH	D400	1.65	225	Y
FW10.1	42.22	40.92	40.84	MH	D400	1.38	225/150	Y
FW10.1.1	42.2	41.5	41.45	IC	B125	0.75	150/100	N
FW11	42.43	41.19	41.12	MH	D400	1.31	225/150	Y
FW11.1	42.65	41.6	41.55	MH	D400	1.1	150/100	Y
FW11.2	42.66	41.66	41.61	MH	D400	1.05	150/100	Y

PVCu IC 600Ø  
 PC Concrete MH 1200Ø  
 All chamber covers to be EN124:  
 Trafficked Areas - D400  
 Non-trafficked areas - C250  
 Pedestrian - B125

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.  
 IC's in excess of 1.2m to have restricted access cover of 350Ø  
 All PPC chambers covers to be bolt down

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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/m<sup>2</sup>  
 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.

Client: Wrightwood Developments Ltd.		Project Title: New Development at, Ardshanavooley, Killarney	
Drwg Title: Wastewater Layout (2)			
Drwn by: JON	Date Sept 2025	chkd by: M.C	Date Sept 2025
Job No: 91-24	Scale 1:250	paper size	Rev A
Rev A	Date 17.12.25	General Revision Layout	Drwn JON
Issue for:	Planning	Drwg No: 91-24-1-804	Ref Sheet Rev A



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