

DRAINAGE NOTES

1. All pipework between main drain runs and inspection chambers to be 110mm Ø structured wall unplasticized pvc drain laid at a minimum gradient of 1:40.
2. All inspection chambers to be 450mm Ø polypropylene bedded and surrounded in 150mm concrete and having ductile iron cover and frame to BS EN124-B125 loading requirement. Cover & frame to be surrounded in 150mm concrete.
3. indicates Type3 foul water inspection chamber
 indicates Type4 foul water inspection chamber
4. indicates foul water manhole
5. All drainage design, materials & workmanship to be in accordance with "Sewers for Adoption" 7th edition & Welsh Government Standards.
6. Sewers must not be laid within 1.0m of kerblines and the outside face of all manholes must not be within 0.5m of kerblines.
7. Dwr Cymru Welsh Water approved plastic pipes for Ø 150-300mm are :
• Marley Twinwall system.
• Uponor Ultrarib system.
• Osma Ultrarib system.
• Polysewers Twinwall system.
- Installation of all structural wall plastic pipes to be undertaken by a Contractor who is accredited to the British Plastic Federation - Plastic Pipe Group.
8. Pipes built into manholes should have a flexible joint as close as feasible to the external face of the structure and the length of the next rocker pipe should be 600mm for pipes having a 150-600mm nominal diameter.
9. All pipe junctions into manholes must not be less than 90° from the outgoing sewer.
10. The developer must self-ver and certify that the design criteria, material standards and workmanship specification for the proposed adoptable sewers are in accordance with those set out in "Sewers for Adoption" 7th Edition, The Welsh Ministers Standards and the requirements of (DCWW) as the Statutory Sewerage Undertaker."
11. "Subject to a Section 104 Adoption Agreement being complete a Section 106 application to connect must be made to DCWW, the developer shall give 21 days notice prior to connection. The works may only be undertaken by an SSIP Health & Safety approved contractor".

FOUL WATER INSPECTION CHAMBER SCHEDULE

REF	COVER LEVEL	INVERT	DEPTH(mm)	TYPE	MANHOLE	COVER TYPE
(as per No's)			(to soffit)		Ø	(In accordance with BS EN124)
IC3	20.94	20.00	840	3	450(min)	B125
IC2	20.31	19.09	1120	3	450(min)	B125
IC1	19.70	18.70	900	3	450(min)	B125
IC4	19.30	18.30	900	3	450(min)	B125
IC5	19.30	18.30	900	3	450(min)	B125
IC6	19.30	18.30	900	3	450(min)	B125
IC7	19.30	18.30	900	3	450(min)	B125
IC8	19.30	18.30	900	3	450(min)	B125
IC9	19.80	18.80	900	3	450(min)	B125
IC10	20.00	19.00	900	3	450(min)	B125
IC11	20.00	19.00	900	3	450(min)	B125
IC12	20.50	19.00	1400	3	450(min)	B125
IC13+14	21.00	19.80	1100	3	450(min)	B125
IC15+16	21.30	20.00	1200	3	450(min)	B125
IC18	23.30	22.50	700	3	450(min)	B125
IC19	23.30	22.70	500	3	450(min)	B125
IC20	23.30	22.90	300	3	450(min)	B125
IC21	25.00	24.00	900	3	450(min)	B125
IC22	25.80	25.00	700	3	450(min)	B125
IC23	25.70	24.50	1100	3	450(min)	B125
IC24	23.90	23.20	600	3	450(min)	B125
IC26	24.20	23.40	700	3	450(min)	B125
IC28	26.35	25.63	620	3	450(min)	B125
IC29	26.35	25.85	400	3	450(min)	B125
IC30	26.35	26.05	200	3	450(min)	B125
IC31	27.80	26.80	900	3	450(min)	B125
IC32	28.50	27.00	-	3	450(min)	B125
IC33	26.80	26.20	700	3	450(min)	B125
IC34	26.80	26.30	400	3	450(min)	B125
IC35	27.60	26.60	900	3	450(min)	B125
IC36	27.60	26.80	700	3	450(min)	B125
IC37	27.70	27.00	600	3	450(min)	B125
IC39	24.70	22.70	1900	3	450(min)	B125
IC40	25.70	24.70	900	3	450(min)	B125
IC41	24.80	23.80	900	3	450(min)	B125
IC42	22.40	21.80	500	3	450(min)	B125
IC43	22.50	21.93	330	3	450(min)	B125
IC44	22.60	22.14	360	3	450(min)	B125
IC45	23.30	22.30	850	3	450(min)	B125

FOUL WATER MANHOLE SCHEDULE

REF	COVER LEVEL	INVERT	DEPTH(mm)	TYPE	MANHOLE	COVER TYPE
			(to soffit)		Ø	(In accordance with BS EN124)
F1	18.70	17.20 (to be confirmed)	1350	2	1200	D400
F2	19.10	17.25	1700	2	1200	D400
F3	19.00	17.78	1120	2	1200	D400
F4	20.31	19.09	1120	2	1200	D400
F5	19.18	17.36	1670	2	1200	D400
F6	18.40	17.49	760	BRICK	-	D400
F7	19.30	17.86	1290	2	1200	D400
F8	19.12	17.95	1120	2	1200	D400
F9	19.32	18.05	1120	2	1200	D400
F10	20.34	18.42	1770	2	1200	D400
F11	20.34	18.81	1380	2	1200	D400
F12	22.30	19.65	2500	2	1200	D400
F13	22.30	20.35	1800	2	1200	D400
F14	23.00	21.57	1280	2	1200	D400
F15	24.20	23.00	1050	2	1200	D400
F16	26.30	24.60	1550	2	1200	D400
F17	26.30	24.95	1200	2	1200	D400
F18	27.50	26.00	1350	2	1200	D400
F19	28.20	27.10	950	2	1200	D400
F20	22.00	20.65	1200	2	1200	D400
F21	23.96	21.50	2310	2	1200	D400
F22	24.00	22.17	1680	2	1200	D400

PRELIMINARY

Project

HOUSING DEVELOPMENT AY
MAES Y DDERWEN, CARDIGAN.
CEREDIGION.

Title

SECTION 104 DRAWING

Scale

1:500

Date

16.12.21.

Drawn

MH

Checked

MJM

Paper size

A1

Job No

8149

Dwg No

03

Rev

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