

EXACT INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION OF NEW FOUL SEWERS

THE PROPOSED FOUL SEWERS ARE A MAXIMUM DIAMETER OF 150mm LAID AT THE GRADIENTS SHOWN WHICH ARE IN ACCORDANCE WITH IRISH WATER GUIDELINES. THE DESIGN OF THE FOUL SEWERS IS BASED ON A ROUGHNESS COEFFICIENT OF 1.5mm.

THE PROPOSED FOUL DRAINAGE SYSTEM FOR THE NEW DEVELOPMENT WILL DISCHARGE INTO THE PROPOSED FOUL SEWER PUMPING LOCATION AS SHOWN ON THE LAYOUT FROM WHERE IT WILL BE PUMPED TO THE PUBLIC MAINS. THE INVERT LEVEL OF THE CONNECTION POINTS TO BE CONFIRMED.

ALL COVER LEVELS ARE INDICATIVE AND THE FINAL COVER LEVELS TO MATCH FINISHED PATH/ROAD

ALL LEVELS OF PIPES TO BE CHECKED AND VERIFIED PRIOR TO WORK COMMENCING ON SITE. THE LAYOUT OF THE BRANCH DRAINS FROM THE INDIVIDUAL SITES ARE AS SHOWN ON THE DWELLINGS LAYOUT PLAN. ANY CHANGES ARE TO BE AGREED PRIOR TO CONSTRUCTION. THE DISTANCE FROM THE FINAL ACCESS JUNCTION ON EACH INDIVIDUAL SITE TO THE CONNECTION TO THE MAIN DRAIN TO BE A

THE CONNECTION OF THE BRANCH DRAINS TO MAIN DRAINS SHOULD BE MADE AT A MANHOLE WHERE POSSIBLE OR BY USING AN OBLIQUE TYPE SADDLE. SADDLES SHOULD NOT BE USED ON PIPES OF 100mm DIAMETER, NOR TO CONNECT PIPES OF THE SAME DIAMETER.

ALL PIPES SHOULD HAVE FLEXIBLE JOINTS FORMED BY A METHOD RECOMMENDED BY THE PIPE MANUFACTURER. ELASTOMERIC SEALING RINGS, COMPLYING WITH THE REQUIREMENTS OF BS 2494, TYPE D, SHOULD BE USED.

MANHOLE COVERS AND FRAMES (TO COMPLY WITH THE REQUIREMENTS OF IS EN 124):

CLASS

LOCATION

D 400

ROADWAYS, HARDSHOULDERS, VEHICULAR ACCESSES FOOTWAYS, GRASS VERGES
AREAS INACCESSIBLE TO MOTOR VEHICLES

ALL BRANCH CONNECTIONS FROM ACCESS JUNCTIONS (AJ'S) TO BE 100mmØ uPVC PIPES AT A GRADIENT OF 1 in 60.

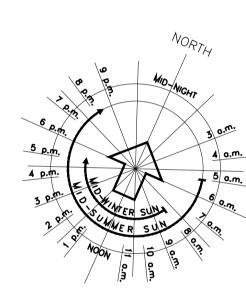
LOCATION AND INVERT LEVELS OF EXISTING (OR PROPOSED) MANHOLES OR OUTFALL POINTS TO BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION OF PROPOSED DRAINAGE NETWORK. THE TYPE OF PIPE AND FITTINGS TO BE USED TO BE uPVC (IN ACCORDANCE WITH THE REQUIREMENTS OF

TRENCH WIDTH AT THE LEVEL OF THE TOP OF THE PIPE SHOULD GENERALLY BE AS NARROW AS SAFE

WORKING CONDITIONS WOULD ALLOW, WITH A MINIMUM WIDTH OF 300mm PLUS THE EXTERNAL DIAMETER OF THE PIPE BARREL. DRAINS SHALL BE ACCESSIBLE FOR MAINTENANCE AND REPAIR AND SHALL BE CONSTRUCTED ON PUBLIC PROPERTY. ACCESS SHALL GENERALLY BE PROVIDED BY MEANS OF A MANHOLE BUT, SUBJECT TO APPROVAL, A PROPRIETARY ACCESS JUNCTION MAY BE USED IN LIEU OF A MANHOLE, ON A DRAIN WHERE

FLEXIBLE PIPES SHOULD BE LAID WITH A MINIMUM COVER OF 1.2m IN ROADS AND DRIVEWAYS, 0.9m IN OPEN SPACES AND FOOTPATHS NOT ADJACENT TO RAODWAYS AND 0.6m IN GARDENS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, ADDITIONAL MEASURES SHOULD BE TAKEN IN ORDER TO PROTECT PIPEWORK. DETAILS SHOULD BE AGREED WITH THE ENGINEER PRIOR TO CONSTRUCTING THE PIPELINE.

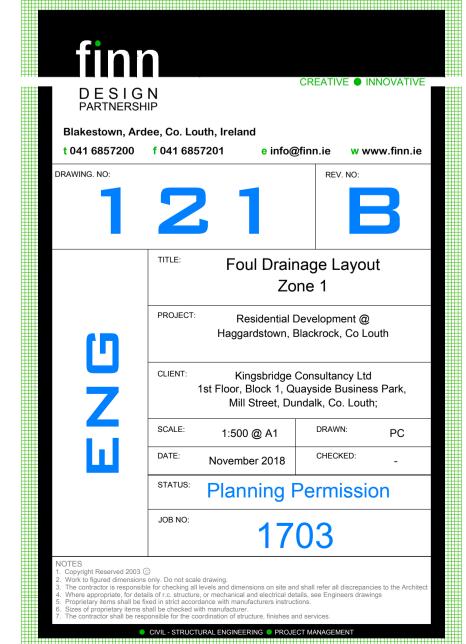
ALL WORKS WILL BE CARRIED OUT IN CONJUNCTION WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER STANDARD DETAILS FOR WASTEWATER. FOUL DRAINAGE DETAILS TO COMPLY WITH IRISH WATERS STANDARD DETAILS: IW-CDS-5030-01



THE DEPTH TO INVERT IS LESS THAN 600mm.

development on adjoining





01 Foul Drainage Layout-Zone 1

SCALE 1:500

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)	MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
MH1	1200	Type E	22.975	21.753	1.072	706667.614	804053.836	FMH36	1200	Type B	14.323	12.286	1.887	707020.583	804213.496
MH2	1200	Type E	21.233	20.00	1.083	706617.124	804113.561	FMH37	1200	Type B	13.147	11.095	1.902	707010.712	804243.307
МНЗ	1200	Type E	20.973	19.65	1.123	706635.287	804122.428	FMH38	1200	Type A	11.827	7.082	1.803	707024.166	804280.693
MH4	1200	Type E	21.223	19.878	1.195	706697.949	804151.315	FMH39	1200	Type E	10.45	9.25	1.05	707008.330	804329.654
MH5	1200	Type B	20.969	19.256	1.139	706679.907	804143.180	FMH40	1200	Type A	10.172	6.652	1,210	706979.944	804325.473
MH6	1200	Type E	20.524	19.03	1.342	706664.229	804175.622	FMH41	1200	Type E	17.382	16.00	1.232	706554.567	804318.796
MH7	1200	Type E	20.274	18.85	1.199	706682.578	804181.249	FMH42	1200	Type E	16.273	15.00	1.123	706538.568	804353.220
MH8	1200	Type E	18.922	17.381	1.316	706748.594	804173.372	FMH43	1200	Type E	15.642	14.26	1.232	706507.524	804402.299
MH9	1200	Type E	21.626	20.295	1.181	706734.947	804082.071	FMH44	1200	Type B	15.841	14.109	1.507	706517.092	804387.221
MH10	1200	Type E	21.152	19.803	1.199	706717.832	804119.029	FMH45	1200	Type E	13.734	12.427	1.082	706578.934	804415.882
MH11	1200	Type E	21.008	19.40	1.158	706722.251	804109.765	FMH46	1200	Type A	15.601	12.19	3.177	706607.810	804397.514
MH12	1200	Type E	18.669	17.101	1.418	706784.655	804139.167	FMH47	1200	Type E	18.009	16.70	1.159	706574.654	804301.408
MH13	1200	Type E	16.721	15.371	1.125	706836.50	804163.783	FMH48	1200	Type E	17.380	15.95	1.273	706608.432	804316.851
MH14	1200	Type E	15.615	14.286	1.104	706865.863	804177.386	FMH49	1200	Type A	16.595	11.75	1.187	706635.295	804338.672
ИН15	1200	Type E	19.127	17.80	1.177	706626.001	804158.243	FMH50	1200	Type E	12.932	11.57	1.212	706674.509	804424.671
MH16	1200	Type D	17.688	16.55	0.988	706603.176	804206.432	FMH51	1200	Type B	13.846	11.335	2.361	706686.537	804391.535
MH17	1200	Type B	18.389	16.28	1.177	706614.933	804182.744	FMH52	1200	Type A	14.541	11.17	3.029	706697.171	804370.377
MH18	1200	Type A	20.228	15.99	4.076	706653.260	804199.190	FMH53	1200	Type B	13.486	10.604	2.596	706724.533	804384.436
MH19	1200	Type A	19.628	15.60	3.837	706631.631	804246.829	FMH54	1200	Type E	10.840	9.644	1.046	706738.782	804443.904
ин20	1200	Type E	18.295	17.00	1.145	706551.146	804233.399	FMH55	1200	Type B	11.499	9.30	2.031	706757.145	804416.973
MH21	1200	Type A	19.602	16.20	3.167	706615.992	804263.432	FMH56	1200	Type A	12.181	9.00	1.631	706763.141	804388.518
MH22	1200	Type A	19.593	15.50	3.395	706631.235	804262.979	FMH57	1200	Type B	11.263	8.67	2.352	706808.582	804401.242
MH23	1200	Type E	18.710	17.469	1.091	706741.005	804190.482	FMH58	1200	Type E	9.936	8.71	1.076	706880.445	804485.163
MH24	1200	Type B	17.464	14.706	1.676	706747.770	804249.564	FMH59	1200	Type B	10.153	8.40	1.591	706893.365	804458.345
MH25		Type E	15.514	14.00	1.193	706801.926	804243.139	FMH60	1200	Type B	10.084	8.00	1.839	706872.319	804436.265
MH26		Type E	14.854	13.622	1.082	706884.525	804201.914	FMH61	1200	Type E	9.934	8.586	1.198	706814.781	804462.736
MH27	1200	Type D	13.672	12.802	0.720	706870.241	804236.183	FMH62	1200	Type B	10.383	7.682	1.704	706837.532	804415.652
ин28		Type B	14.406	12.127	1.053	706829.815	804255.563	FMH63	1200	Type B	9.190	7.36	1.605	706875.547	804386.481
ин29	1200	Type B	13.910	11.966	1.719	706843.874	804270.939	FMH64	1200	Type B	9.270	7.031	2.014	706923.079	804373.223
ин30	1200	Type E	15.203	13.862	1.191	706894.623	804190.951	FMH65	1200	Type B	9.570	6.416	2.529	706951.324	804357.275
MH31	1200	Type E	14.722	13.381	1.191	706972.449	804225.000	FMH66	1200	Type D	7.696	6.80	0.746	706917.986	804539.693
ин32	1200	Type B	15.009	13.15	1.602	706951.456	804216.025	FMH67	1200	Type B	9.050	6.454	2.446	706951.634	804500.236
MH33		Type E	12.208	10.743	1.240	706916.279	804298.930	FMH68	1200	Type A	9.823	6.20	3.442	706925.664	804479.254
MH34	1200	Type D	7.761	7.80	-0.189	707105.845	804264.839	FMH69	1200	Type A	9.175	6.01	3.012	706943.735	804457.844
MH35	1200	Type A	11.616	7.402	4.063	707051.193	804241.225	FMH70	1200	Type B	8.589	5.772	2.611	706963.816	804439.390
								FMH71 FMH72	1200 1200	Type A Type A	8.749 8.773	5.33 5.244	3.262 2.391	706991.442 706986.569	804380.217 804373.494



