© THIS DRAWING IS THE PROPERTY OF THE MILLWARD PARTNERSHIP AND MUST NOT BE REPRODUCED, WHOLLY OR IN PART, NOR THE INFORMATION THEREIN DISCLOSED TO A THIRD PARTY, WITHOUT THE WRITTEN CONSENT OF THE OWNERS

FOUL WATER MANHOLE SCHEDULE

Manhole Reference	Manhole Type / diameter (mm) *	Cover Level	Invert Level / (pipe diameter)	Depth to Invert	Depth to Soffit	Pipes In (mmØ)	Pipes Out (mmØ)	FOUL WATER SETTING OUT Easting	Northing
MHF01	Type E / 1200 Ø	3.400	2.368 (150Ø) / 2.418 (100Ø)	1.032	0.882	100 / 100	150	524769.143	324961.383
MHF02	Type E / 1200 Ø	3.225	2.205 (150Ø) / 2.255 (100Ø)	1.020	0.870	150 / 100	150	524764.901	324937.204
MHF03	Type E / 1200 Ø	4.150	2.555 (150Ø) / 2.605 (100Ø)	1.595	4.445	100 / 100	150	524782.964	324912.920
MHF04	Type E / 1200 Ø	3.735	2.374 (150Ø) / 2.424 (100Ø)	1.361	1.211	150 / 100	150	524764.825	324899.623
MHF05	Type E / 1500 Ø	3.460	2.037 (150Ø) / 2.087 (100Ø)	1.423	1.273	150 / 150 /100	150	524747.100	324919.517
MHF06	Type B / 1200 Ø	3.325	1.392 (150Ø)	1.933	1.783	150	150	524735.858	324909.726
MHF07	Type B / 1200 Ø	3.150	1.278 (150Ø) / 1.328 (100Ø)	1.872	1.722	150 / 100	150	524729.791	324893.764
MHF08	Type B / 1500 Ø	3.025	1.001 (150Ø) / 1.051 (100Ø)	2.024	1.874	150 / 100 / 100	150	524721.096	324883.719
MHF09	Type E / 1200 Ø	3.250	1.900 (150Ø) / 1.950 (100Ø)	1.350	1.200	100 / 100	150	524685.112	324910.352
MHF10	Type B / 1500 Ø	3.170	0.815 (150Ø) / 0.865 (100Ø)	2.355	2.205	150 / 150 / 100	150	524694.815	324875.002
MHF11	Type B / 1200 Ø	3.465	0.625 (150Ø)	2.840	2.690	150	150	524668.318	324865.176
MHF12	Type E / 1200 Ø	4.350	3.000 (150Ø) / 3.050 (100Ø)	1.350	1.200	100 / 100	150	524787.424	324805.351
MHF13	Type B / 1200 Ø	4.220	2.600 (150Ø) / 2.650 (100Ø)	1.620	1.470	150 / 100	150	524797.414	324808.044
MHF14	Type B / 1500 Ø	3.865	2.275 (150Ø) / 2.325 (100Ø)	1.590	1.440	150 / 100 / 100	150	524792.636	324837.152
MHF15	Type B / 1200 Ø	3.890	2.176 (150Ø) / 2.226 (100Ø)	1.714	1.564	150 / 100 / 100	150	524785.483	324849.666
MHF16	Type B / 1500 Ø	4.025	2.082 (150Ø)	1.943	1.793	150 / 100	150	524772.289	324854.602
MHF17	Type B / 1200 Ø	3.625	1.800 (150Ø) / 1.850 (100Ø)	1.825	1.675	150 / 100 / 100	150	524740.825	324826.133
MHF18	Type E / 1200 Ø	3.150	1.800 (150Ø) / 1.850 (100Ø)	1.350	1.200	100 / 100	150	524712.078	324785.495
MHF19	Type E / 1200 Ø	3.485	1.775 (150Ø) / 1.825 (100Ø)	1.710	1.560	100	150	524735.668	324791.442
MHF20	Type B / 1500 Ø	3.350	1.475 (150Ø) / 1.525 (100Ø)	1.875	1.725	150 / 150 / 100	150	524725.469	324789.775
MHF21	Type B / 1500 Ø	3.390	1.200 (150Ø)	2.190	2.040	150 / 150 / 100	150	524717.804	324818.805
MHF22	Type B / 1500 Ø	3.050	0.263 (150Ø)	2.787	2.637	150 / 150	150	524679.584	324811.806
MHF23	Type B / 1200 Ø	3.125	0.197 (150Ø) / 0.247 (100Ø)	2.928	2.778	150 / 100 / 100	150	524673.502	324804.294
MHF24	Type E / 1200 Ø	3.500	2.150 (150Ø) / 2.200 (100Ø)	1.350	1.200	100	150	524645.499	324915.770
MHF25	Type E / 1200 Ø	3.500	2.056 (150Ø) / 2.106 (100Ø)	1.444	1.294	150	150	524639.276	324903.247

FOUL WATER MANHOLE SCHEDULE

Manhole Reference	Manhole Type / diameter (mm) *	Cover Level	Invert Level / (pipe diameter)	Depth to Invert	Depth to Soffit	Pipes In (mmØ)	Pipes Out (mmØ)	FOUL WATER SETTING OUT Easting	Northing
MHF26	Type E / 1200 Ø	3.125	1.535 (150Ø) / 1.585 (100Ø)	1.590	1.440	150 / 100	150	524631.116	324893.132
MHF27	Type B / 1200 Ø	3.250	1.347 (150Ø) / 1.397 (100Ø)	1.903	1.753	150 / 100	150	524604.057	324885.542
MHF28	NOT USED								
MHF29	Type B / 1200 Ø	3.315	1.598 (150Ø) / 1.648 (100Ø)	1.717	1.567	100 / 100	150	524543.611	324858.994
MHF30	Type B / 1200 Ø	3.165	1.519 (150Ø)	1.646	1.496	150	150	524555.399	324860.475
MHF31	Type B / 1200 Ø	3.285	1.390 (150Ø) / 1.440 (100Ø)	1.895	1.745	150 / 100	150	524572.617	324851.685
MHF32	Type B / 1200 Ø	3.425	1.049 (150Ø)	2.376	2.226	150 / 150	150	524581.517	324846.995
MHF33	Type B / 1200 Ø	3.700	1.900 (150Ø) / 1.950 (100Ø)	1.800	1.650	150 / 100	150	524557.304	324785.658
MHF34	Type B / 1500 Ø	3.325	1.643 (150Ø) / 1.693 (100Ø)	1.682	1.532	150 / 100 / 100	150	524583.169	324792.143
MHF35	Type B / 1500 Ø	3.075	0.780 (150Ø) / 0.830 (100Ø)	2.295	2.145	150 / 150 / 100	150	524592.545	324808.251
MHF36	Type B / 1200 Ø	3.425	0.517 (150Ø) / 0.567 (100Ø)	2.908	2.758	150 / 100	150	524627.624	324790.150
MHF37	Type A / 1200 Ø	3.430	-0.013 (150Ø)	3.443	3.293	150 / 150	150	524643.320	324795.355
MHF37A	Type A / 1200 Ø	3.450	-0.055 (150Ø)	3.505	3.355	150	150	524641.398	324801.512
MHF38	Type B / 1800 Ø	3.430	-0.068 (150Ø)	Wet Well - refer to construction details		150	Rising Main	524640.482	324804.569
MHF39	Type E / 1200 Ø	3.225	2.566 (150Ø) / 2.616 (100Ø)	0.659	0.509	Rising Main	150	524650.011	324781.151
MHF40	Type E / 1500 Ø	3.075	2.397 (150Ø) / 2.497 (100Ø)	0.678	0.528	150 / 100 / 100	150	524656.693	324756.773
MHF41	Type E / 1500 Ø	3.400	2.214 (150Ø) / 2.264 (100Ø)	1.186	1.036	150 / 150 / 100	150	524644.716	324733.490
MHF42	Type E / 1200 Ø	3.550	2.067 (150Ø) / 2.117 (100Ø)	1.483	1.333	150 / 100	150	524634.261	324714.051
MHF43	Type B / 1200 Ø	3.525	1.837 (150Ø) / 1.887 (100Ø)	1.688	1.538	150 / 100	150	524643.622	324680.807
MHF44	Type B / 1200 Ø	3.400	1.734 (150Ø) / 1.784 (100Ø)	1.666	1.516	150 / 100	150	524656.860	324673.418
MHF45	Type B / 1200 Ø	3.375	1.512 (150Ø) / 1.562 (100Ø)	1.863	1.713	150 / 100	150	524689.436	324681.845
MHF46	Type B / 1200 Ø	3.450	1.413 (150Ø) / 1.463 (100Ø)	2.037	1.887	150 / 100	150	524701.963	324674.792
MHF47	Type B / 1200 Ø	2.950	1.162 (150Ø)	1.788	1.638	150	150	524712.798	324638.665
MHF48	Type B / 1200 Ø	3.200	0.802 (150Ø)	2.398	2.248	150	150	524728.235	324586.966
MHF49	Type B / 1200 Ø	3.250	0.724 (150Ø)	2.526	2.376	150	Outfall	524737.286	324579.723

FOUL WATER DEMARCATION CHAMBER SCHEDULE

Manhole Reference	Manhole Type / diameter (mm) *	Cover Level	Invert Level	Depth to Invert	Depth to Soffit
DCF01	Inspection Chamber / 450Ø	3.500	2.507	0.993	0.893
DCF02	Inspection Chamber / 450Ø	3.650	2.508	1.142	1.042
DCF03	Inspection Chamber / 450Ø	3.415	2.355	1.060	0.960
DCF04	Inspection Chamber / 450Ø	3.985	2.769	1.216	1.066
DCF05	Inspection Chamber / 450Ø	3.950	2.765	1.185	1.085
DCF06	Inspection Chamber / 450Ø	3.850	2.547	1.303	1.203
DCF07	Inspection Chamber / 450Ø	3.600	2.371 (150Ø) / 2.421 (100Ø)	1.229	1.079
DCF08	Inspection Chamber / 450Ø	3.345	1.900	1.445	1.345
DCF09	Inspection Chamber / 450Ø	3.250	1.154	2.096	1.996
DCF10	Inspection Chamber / 450Ø	3.233	1.874	1.359	1.259
DCF11	Inspection Chamber / 450Ø	3.097	2.045	1.052	0.952
DCF12	Inspection Chamber / 450Ø	3.200	2.100	1.100	1.000
DCF13	Inspection Chamber / 450Ø	3.450	1.650	1.800	1.700
DCF14	Inspection Chamber / 450Ø	4.479	3.195	1.284	1.184
DCF15	Inspection Chamber / 450Ø	4.350	3.285	1.065	0.965
DCF16	NO LONGER REQUIRED				
DCF17	Inspection Chamber / 450Ø	4.050	2.725	1.325	1.225

FOUL WATER DEMARCATION CHAMBER SCHEDULE

Manhole Reference	Manhole Type / diameter (mm) *	Cover Level	Invert Level	Depth to Invert	Depth to Soffit
DCF18	Inspection Chamber / 450Ø	4.040	2.440	1.600	1.500
DCF19	Inspection Chamber / 450Ø	4.035	2.700	1.335	1.185
DCF20	Inspection Chamber / 450Ø	4.100	2.670	1.430	1.330
DCF21	Inspection Chamber / 450Ø	4.170	2.727	1.443	1.343
DCF22	Inspection Chamber / 450Ø	3.850	2.375	1.475	1.375
DCF23	Inspection Chamber / 450Ø	3.700	2.410	1.291	1.191
DCF24	Inspection Chamber / 450Ø	3.465	2.245	1.220	1.120
DCF25	Inspection Chamber / 450Ø	3.500	2.080	1.420	1.320
DCF26	Inspection Chamber / 450Ø	3.390	2.035	1.355	1.255
DCF27	Inspection Chamber / 450Ø	3.320	1.971	1.349	1.249
DCF28	Inspection Chamber / 450Ø	3.445	1.725	1.719	1.619
DCF29	Inspection Chamber / 450Ø	3.240	1.000	2.240	2.140
DCF30	Inspection Chamber / 450Ø	3.315	0.851	2.464	2.364
DCF31	Inspection Chamber / 450Ø	3.475	2.875	0.600	0.500
DCF32	Inspection Chamber / 450Ø	3.300	2.000	1.300	1.200
DCF33	Inspection Chamber / 450Ø	3.435	1.620	1.815	1.715
DCF34	Inspection Chamber / 450Ø	3.450	2.181	1.269	1.169

FOUL WATER DEMARCATION CHAMBER SCHEDULE

Manhole Reference	Manhole Type / diameter (mm) *	Cover Level	Invert Level	Depth to Invert	Depth to Soffit
DCF35	Inspection Chamber / 450Ø	3.480	2.124	1.356	1.256
DCF36	Inspection Chamber / 450Ø	3.430	1.518	1.912	1.812
DCF37	Inspection Chamber / 450Ø	3.975	2.039 (100Ø) / 1.989 (150Ø)	1.936	1.786
DCF38	Inspection Chamber / 450Ø	3.765	2.057	1.708	1.608
DCF39	Inspection Chamber / 450Ø	3.530	2.358	1.172	1.072
DCF40	Inspection Chamber / 450Ø	3.500	1.773	1.727	1.627
DCF41	Inspection Chamber / 450Ø	3.250	1.376	1.874	1.774
DCF42	Inspection Chamber / 450Ø	3.640	0.991	2.649	2.549
DCF43	Inspection Chamber / 450Ø	3.245	2.573	0.672	0.572
DCF44	Inspection Chamber / 450Ø	3.350	2.713	0.637	0.537
DCF45	Inspection Chamber / 450Ø	3.475	2.288	1.187	1.087
DCF46	NOT USED				
DCF47	Inspection Chamber / 450Ø	3.650	2.495	1.700	1.600
DCF48	Inspection Chamber / 450Ø	3.680	1.950	1.730	1.630
DCF49	Inspection Chamber / 450Ø	3.523	2.249	1.274	1.174
DCF50	Inspection Chamber / 450Ø	3.475	1.646	1.829	1.729
DCF51	Inspection Chamber / 450Ø	3.500	1.756	1.744	1.644

REV	DATE	BY	DETAILS	CHK'D
E	12.02.16	EP	UPDATED IN ACCORDANCE WITH LCC COMMENTS DATED 02/02/16.	JMcK
D	18.01.16	JH	MINOR CHANGES TO COVER LEVELS TO F22, F23, F29 AND F31	JMcK
C	12.11.15	JH	REVISED IN ACCORDANCE WITH ANGLIAN WATER AND FW DRAINAGE REVISED	JMcK
B	05.08.15	JH	ISSUED FOR APPROVAL	JMcK
A	07.05.15	JH	ISSUED FOR TENDER	JMcK

A1 AMENDMENTS

NOTES

This drawing is to be read in conjunction with Millward drawings MA10002 particularly the following:-

MA10002 / 100 Overall Site Location / Key Plan
MA10002 / 201-1 to 6 Proposed Drainage Layout
MA10002 / 606-1 to 4 Carriage and Drainage Longitudinal Sections
Lincolnshire County Council Development Road Specification and Construction 2014 Edition

All other Millward drawings are listed on the project document issue register.

TITLE: FOUL WATER MANHOLE SCHEDULES

PROJECT: Proposed Residential Development Wardentree Lane, Pinchbeck

CLIENT: ALLISON Homes

DATE	CHECKED	APPROVED BY	SCALE	DRAWN	ENGINEER	DRAWING No:	DRAWING STATUS
March 2015			NTS @ A1	J Harrison	J McKellar	MA10002 / 202-3 rev E	Tender

millward
t: 0115 941 4560
no.1 malin hill, nottingham ng1 1jq
e: info@millward.co.uk w: www.millward.co.uk