

DO NOT SCALE THIS DRAWING. ALL SETTING OUT TO ARCHITECT'S DETAILS AND DRAWINGS

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING ISSUES AND THE SPECIFICATION.

- G1. All building materials, components and workmanship to comply with the appropriate public health acts, building regulations, british standards and codes of practice and the appropriate manufacturer's recommendations.
- G2. For all specialist work see relevant drawings.
- G3. Any discrepancies, errors or omissions to be reported to the project co-ordinator for further instructions before commencement of works.
- G4. The Engineer is not responsible for dimensions, except where shown on his drawings. All setting out information, dimensions, etc, shall be calculated from the Architect's drawings.

Combined Water Manhole Schedule													
Manhole Ref	Cover Level	Depth to invert (m)	Depth to soffit (m)	Pipe Out IL	Pipe Out Dia (mm)	Pipe In IL	Pipe In Dia (mm)	MH Type	Dimensions (mm)	Cover Class	Bedding class	MH / IC	Comments
C1	10.360	3.150	2.700	7.210	450	7.210	450	PC RING	1350Ø	D400	S	MH	Type 1A adoptable manhole to SFA7 and Southern Water requirements. New combined connection from development.
C2	10.420	2.890	2.740	7.530	150	7.530	150	PPIC	450Ø	D400	S	IC	Demarcation Chamber. Reduced Access Chamber. NRV required.
C3	9.870	2.220	2.070	7.650	150	7.650	150	PC RING	1200Ø	D400	S	MH	NRV required.
Foul Water Manhole Schedule													
Manhole Ref	Cover Level	Depth to invert (m)	Depth to soffit (m)	Pipe Out IL	Pipe Out Dia (mm)	Pipe In IL	Pipe In Dia (mm)	MH Type	Dimensions (mm)	Cover Class	Bedding class	MH / IC	Comments
F1	10.490	2.120	1.970	8.370	150	8.370	100	PPIC	450Ø	D400	S	IC	Reduced Access Chamber.
F2	10.820	1.820	1.720	9.000	100	9.000	100	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
F3	10.820	1.860	1.710	8.960	150	8.960	150	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
F4	10.610	0.990	0.840	9.620	150	9.620	150	PPIC	450Ø	A15	Z	IC	
F5	10.640	0.970	0.820	9.670	150	9.670	150	PPIC	450Ø	A15	Z	IC	
F6	10.650	0.600	0.500	10.050	100	10.050	100	PPIC	450Ø	A15	Z	IC	
F7	10.410	0.500	0.400	9.910	100	9.910	100	PPIC	250Ø	A15	Z	IC	
F8	10.410	0.600	0.450	9.810	150	9.810	100	PPIC	450Ø	A15	Z	IC	
F9	9.950	1.650	1.500	8.300	150	8.300	150	PPIC	450Ø	D400	S	IC	Reduced Access Chamber.
F9.1	9.940	0.960	0.860	8.980	100	8.980	100	PPIC	450Ø	B125	Z	IC	
F9.2	9.940	0.960	0.860	8.980	100	8.980	100	PPIC	450Ø	B125	Z	IC	
F9.3	9.930	0.950	0.850	8.980	100	8.980	100	PPIC	450Ø	B125	Z	IC	
F9.4	9.940	0.960	0.860	8.980	100	8.980	100	PPIC	450Ø	B125	Z	IC	
F10	9.840	1.390	1.240	8.450	150	8.450	150	PPIC	450Ø	D400	S	IC	Reduced Access Chamber.
F11	9.900	0.780	0.680	9.120	100	9.120	100	PPIC	450Ø	A15	Z	IC	
F12	10.000	1.480	1.330	8.520	150	8.520	150	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
F13	10.000	1.100	1.000	8.900	100	8.900	100	PPIC	450Ø	A15	Z	IC	
F14	9.940	1.390	1.240	8.550	150	8.550	150	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
F15	9.980	1.190	1.040	8.790	150	8.790	150	PPIC	450Ø	A15	Z	IC	
F15.1	10.020	0.980	0.880	9.040	100	9.040	100	PPIC	450Ø	A15	Z	IC	
F15.2	10.020	1.010	0.910	9.010	100	9.010	100	PPIC	450Ø	A15	Z	IC	
F16	10.020	1.170	1.020	8.850	150	8.900	100	PPIC	450Ø	A15	Z	IC	
F16.1	10.020	1.010	0.910	9.010	100	9.010	100						
F16.2	9.990	1.000	0.900	8.990	100	8.990	100	PPIC	450Ø	A15	Z	IC	
F17	9.800	1.230	1.080	8.570	150	8.570	150	PPIC	450Ø	A15	Z	IC	Reduced Access Chamber.
F18	9.870	1.270	1.120	8.600	150	8.600	150	PPIC	450Ø	A15	Z	IC	Reduced Access Chamber.
F18.1	10.120	1.060	0.960	9.060	100	9.060	100	PPIC	450Ø	A15	Z	IC	
F18.2	10.120	1.060	0.960	9.060	100	9.060	100	PPIC	450Ø	A15	Z	IC	
F18.3	10.120	0.990	0.890	9.130	100	9.130	100	PPIC	450Ø	A15	Z	IC	
F18.4	9.870	0.930	0.830	8.940	100	8.990	100	PPIC	450Ø	A15	Z	IC	
F18.5	9.940	1.000	0.900	8.940	100	8.940	100	PPIC	450Ø	A15	Z	IC	
F18.6	10.020	1.000	0.900	9.020	100	9.070	100	PPIC	450Ø	A15	Z	IC	
F18.7	10.020	1.020	0.920	9.000	100	9.000	100	PPIC	450Ø	A15	Z	IC	
F18.8	9.930	0.870	0.770	9.060	100	9.060	100	PPIC	450Ø	A15	Z	IC	
F18.9	9.950	0.890	0.790	9.060	100	9.060	100	PPIC	450Ø	A15	Z	IC	
F18.10	10.020	1.020	0.920	9.000	100	9.000	100	PPIC	450Ø	A15	Z	IC	
F19	10.510	1.440	1.340	9.070	100	9.070	100	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
F20	10.010	1.240	1.090	8.770	150	8.770	150	PPIC	450Ø	A15	Z	IC	Reduced Access Chamber.
F20.1	10.020	0.950	0.850	9.070	100	9.070	100	PPIC	450Ø	A15	Z	IC	
F21	10.020	1.080	0.980	8.940	100	8.940	100	PPIC	450Ø	A15	Z	IC	
F22	10.020	1.150	1.000	8.870	150	8.920	100	PPIC	450Ø	A15	Z	IC	
F23	10.020	0.980	0.880	9.040	100	9.040	100	PPIC	450Ø	A15	Z	IC	

Surface Water Manhole Schedule													
Manhole Ref	Cover Level	Depth to invert (m)	Depth to soffit (m)	Pipe Out IL	Pipe Out Dia (mm)	Pipe In IL	Pipe In Dia (mm)	MH Type	Dimensions (mm)	Cover Class	Bedding class	MH / IC	Comments
S1 HB	10.560	2.920	2.820	7.640	100	8.670	150	PC RING	1200Ø	D400	S	MH	Hydro-Brake chamber. Model reference: MD-SHE-0058-2000-1840-2000.
S2 CP	10.560	1.460	1.310	9.100	150	9.150	100	PPIC	450Ø	D400	S	IC	Catchpit, 300mm sump. Reduced Access Chamber.
S3	10.820	1.580	1.480	9.240	100	9.240	100	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
S4	10.630	1.300	1.200	9.330	100	9.330	100	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
S5	10.760	1.400	1.300	9.360	100	9.360	100	PPIC	450Ø	A15	S	IC	Existing rainwater pipes to connect to chamber. Local adjustments may be required. Reduced Access Chamber.
S6	10.500	0.890	0.790	9.610	100	9.610	100	PPIC	450Ø	A15	Z	IC	Existing rainwater pipe to connect to chamber. Local adjustments may be required.
S7	10.460	0.900	0.800	9.560	100	9.560	100	PPIC	450Ø	A15	Z	IC	Existing rainwater pipes to connect to chamber. Local adjustments may be required.
S8 OP	9.900	2.210	2.060	7.690	150	7.690	225	PC RING	1200Ø	D400	S	MH	Orifice Plate chamber. 87mm diameter orifice. 300mm sump required.
S9 CP	9.810	2.030	1.805	7.780	225	7.780	150	PC RING	1200Ø	D400	S	MH	From RWP. Catchpit, 300mm sump. From S10.
S10	9.550	1.420	1.270	8.130	150	8.180	100	PPIC	450Ø	A15	S	IC	From channel drain. Reduced Access Chamber.
S10.1	9.600	0.680	0.580	8.920	100	8.920	100	PPIC	450Ø	A15	Z	IC	
S11	9.290	0.600	0.500	8.690	100	8.690	100	PPIC	450Ø	A15	Z	IC	
S12	9.550	1.330	1.230	8.220	100	8.630	100	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
RE12.1	9.300	0.920	0.820	8.380	100	-	-	RE	100Ø	A15	Z	RE	Rodding Eye.
S13 OP	10.020	2.150	2.000	7.870	150	7.870	150	PC RING	1200Ø	A15	S	MH	Orifice Plate chamber. 81mm diameter orifice. 300mm sump required.
RE13.1	10.020	1.000	0.900	9.020	100	-	-	RE	100Ø	A15	Z	RE	From RE13.1 Rodding Eye.
S14	10.020	1.120	0.970	8.900	150	8.900	150	PPIC	450Ø	A15	Z	IC	
RE14.1	10.000	0.930	0.780	9.070	150	-	-	RE	150Ø	A15	Z	RE	Rodding Eye.
S15	10.010	0.910	0.760	9.100	150	9.150	100	PPIC	450Ø	A15	Z	IC	
RE15.1	10.170	0.500	0.400	9.670	100	-	-	RE	100Ø	A15	Z	RE	Rodding Eye.
S16 CP	9.800	1.860	1.710	7.940	150	7.940	150	PC RING	1200Ø	A15	S	MH	Catchpit, 300mm sump. From ATT3. From gully.
S17 CP	10.080	2.020	1.870	8.060	150	9.100	100	PC RING	1200Ø	A15	S	MH	Catchpit, 300mm sump. From TH. From TH. From RE17.1 From Gully.
RE17.1	10.120	0.700	0.600	9.420	100	-	-	RE	100Ø	A15	Z	RE	Rodding Eye.
RE17.2	10.630	1.180	1.080	9.450	100	-	-	RE	100Ø	A15	Z	RE	Rodding Eye.
S18	10.020	0.810	0.710	9.210	100	9.210	100	PPIC	450Ø	A15	Z	IC	
RE18.1	10.020	0.500	0.400	9.520	100	-	-	RE	100Ø	A15	Z	RE	Rodding Eye.
S19 CP	10.020	0.770	0.670	9.250	100	9.300	100	PPIC	450Ø	A15	Z	IC	
S20 OP	9.900	1.740	1.590	8.160	150	8.160	150	PC RING	1200Ø	A15	S	MH	Orifice Plate chamber. 57mm diameter orifice. 300mm sump required. From S25.
S21 CP	10.070	1.860	1.710	8.210	150	8.210	150	PC RING	1200Ø	A15	S	MH	Catchpit, 300mm sump. From RWP.
S22 CP	10.110	1.750	1.600	8.360	150	9.310	100	PC RING	900Ø	A15	S	IC	Catchpit, 300mm sump. From RWP.
S23 CP	10.025	1.665	1.515	8.360	150	9.240	100	PC RING	1200Ø	A15	S	MH	Catchpit, 300mm sump. From gully. From channel drain.
S24	10.040	0.760	0.660	9.280	100	9.280	100	PPIC	450Ø	A15	Z	IC	
S25	10.020	1.600	1.450	8.420	150	8.470	100	PPIC	450Ø	A15	S	IC	Reduced Access Chamber.
S25.1	10.020	0.820	0.720	9.200	100	9.200	100	PPIC	450Ø	A15	Z	IC	
S25.2	10.020	0.690	0.590	9.330	100	9.330	100	PPIC	450Ø	A15	Z	IC	
RE25.3	10.020	0.690	0.590	9.330	100	-	-	RE	100Ø	A15	Z	RE	Rodding Eye.

- NOTES:  
 1) Chambers denoted as MH are designed to accommodate manned entry. Chambers denoted as IC are designed to be accessed from ground level only.  
 2) RED text denotes amendment since previous revision.

P04	Updated to suit M&E and Landscaping.	JEM/MJF	19.08.20
P03	Phase 2 & 3 Drainage Added.	JEM/MJF	29.06.20
P02	Updated to reflect client comments.	JEM/MJF	11.0