

NOTES

1. Dimensions are in mm unless otherwise stated.
2. Covers are in m A/D unless otherwise stated.
3. The design is for a standard application for the named scheme. It should not be relied upon for any other purpose.
4. Connections into main sewer to be confirmed via applications to sewer maint.

Key

Reference Drawings

Wherever possible, risk is designed out during the design process. Where this is not possible, the design should be such that the significant residual risk will be noted and indicated by a hazard warning triangle.

1. Connection into Existing Sewer



NOT FOR CONSTRUCTION

For Planning

Project Kingsley Holt Residential Development

Title Standard Details

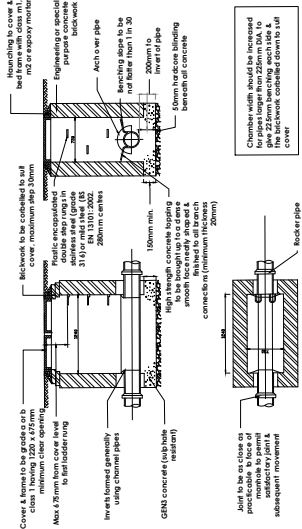
Sheet 2 of 2

Client Hammonds Construction Limited

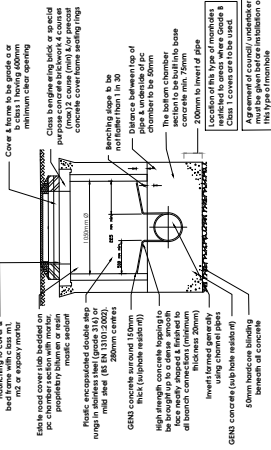


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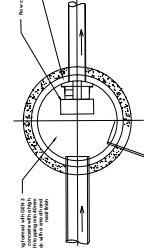
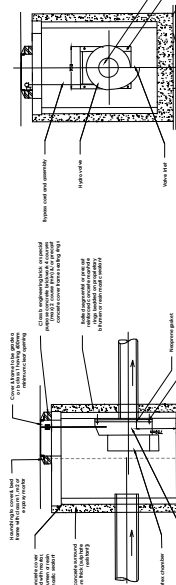
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FEQ	15.11.2025	1:50
Drawing no.	00-154(KN)UR/1005	Revision
		A



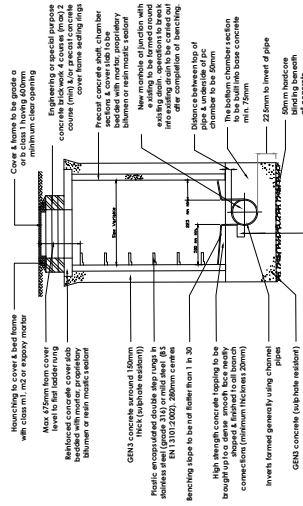
Manhole Type A
Depth to soffit 1.0m to 1.35m
Scale: N15



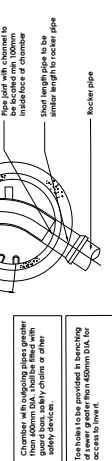
Manhole Type B
Depth to soffit less than 1.0m
Scale: N15



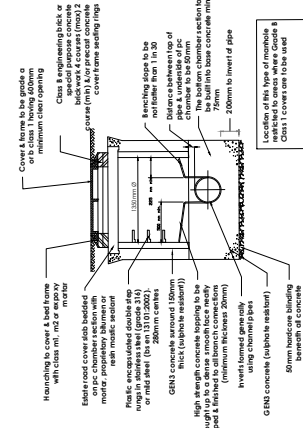
Manhole Type D
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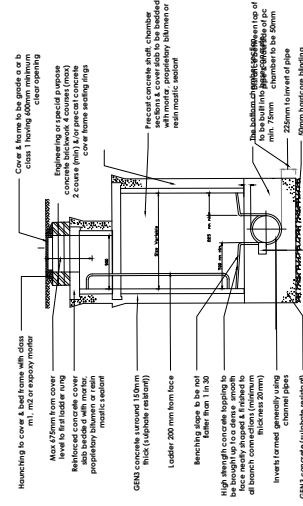
Manhole Type E
Depth to soffit 1.0m to 1.35m
Scale: N15



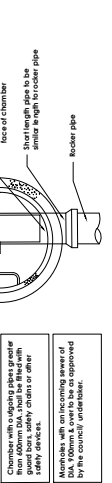
Manhole Type F
Depth to soffit less than 1.0m
Scale: N15



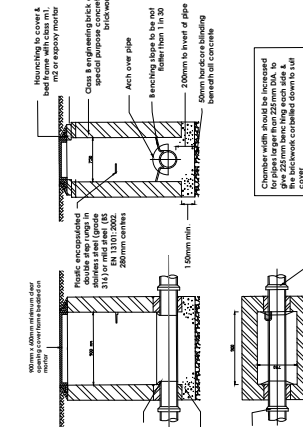
Manhole Type G
Depth to soffit 1.0m to 1.35m
Scale: N15



Manhole Type H
Depth to soffit 1.0m to 1.35m
Scale: N15



Manhole Type I
Depth to soffit 1.0m to 1.35m
Scale: N15



Manhole Type J
Depth to soffit 1.0m to 1.35m
Scale: N15

Appendix M – Foul Calculations

Pipe Number	Upstream Manhole			Downstream Manhole			Flow in pipe	Cumulative Flow	Assumed Pipe Size	Length	Gradient	Full Bore Velocity	Full Bore Flow	Prop Discharge Coefficient	Proportional Velocity	Proportional Depth of Flow	Actual Velocity	Comment
	No.	Cover Level	Invert	Depth	No.	Cover Level	Invert	Depth										
F1.000	MHF01	203.900	202.600	1.20	MHF02	203.490	202.395	0.99	0.05	100	40	1.068	8.388	0.006	0.283	0.06	0.30	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.001	MHF02	203.490	202.395	0.99	MHF03	203.370	201.899	1.37	0.05	100	40	1.068	8.388	0.012	0.345	0.08	0.37	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.002	MHF03	203.370	201.899	1.37	MHF04	202.870	201.519	1.25	0.05	100	40	1.068	8.388	0.018	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.003	MHF04	202.870	201.519	1.25	MHF05	202.610	201.113	1.40	0.05	100	40	1.068	8.388	0.024	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.004	MHF05	202.610	201.113	1.40	MHF06	202.600	200.927	1.57	0.05	100	40	1.068	8.388	0.030	0.45	0.031	0.48	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.005	MHF06	202.600	200.927	1.57	MHC01	202.760	200.704	1.96	0	100	40	1.068	8.388	0.030	0.45	0.031	0.48	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.000	MHF07	204.160	202.860	1.20	MHF08	203.930	202.415	1.42	0.05	100	40	1.068	8.388	0.006	0.283	0.06	0.30	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.001	MHF08	203.930	202.415	1.42	MHF09	203.310	202.026	1.18	0.05	100	40	1.068	8.388	0.012	0.345	0.08	0.37	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.002	MHF09	203.310	202.026	1.18	MHF10	203.120	201.769	1.25	0.05	100	40	1.068	8.388	0.018	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.003	MHF10	203.120	201.769	1.25	MHF11	202.980	201.460	1.42	0.05	100	40	1.068	8.388	0.024	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.004	MHF11	202.980	201.460	1.42	MHC01	202.760	200.704	1.96	0	100	4	3.391	26.633	0.008	0.283	0.06	0.96	
C1.000	MHC01	202.760	200.704	1.91	MHC02	200.680	199.330	1.20	0	150	20	1.992	35.202	0.013	0.345	0.08	0.69	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
C1.001	MHC02	200.680	199.330	1.20	EXMH	200.080	198.080	1.85	0	150	39	1.425	25.185	0.018	0.4	0.1	0.57	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)