

PRIVATE SURFACE WATER MANHOLE SCHEDULE - SYSTEM 1						
MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	DIAMETER / SIZE	COVER TYPE	MANHOLE TYPE
S201	66.1230	64.7730	1.350	1200	D400	2, Figure B.12
S202	64.952	63.552	1.400	1200	D400	2, Figure B.12
S203	63.318	61.918	1.400	1200	D400	2, Figure B.12
S204	61.0060	59.531	1.475	1200	D400	2, Figure B.12
S205	59.8770	58.402	1.475	1200	D400	2, Figure B.12
S206 CP	59.3070	57.832	1.475	1200	D400	2, Figure B.12
S207	58.8600	57.360	1.500	1200	D400	2, Figure B.12
S208	62.5500	61.200	1.350	1200	D400	2, Figure B.12
S209	62.081	60.731	1.350	1200	D400	2, Figure B.12
S210	61.073	59.723	1.350	1200	D400	2, Figure B.12
S211	59.367	58.017	1.350	1200	D400	2, Figure B.12
S212 CP	58.8500	57.360	1.490	1200	B125	2, Figure B.12
S213	58.6500	57.360	1.290	450	B125	3, Figure B.16
S214 CP	58.6000	57.360	1.240	450	B125	3, Figure B.16
S215 R	58.3000	57.360	0.940	1200	B125	Hydrobrake MH
S216	58.2500	57.243	1.007	450	B125	3, Figure B.16

Notes:

- R = Restricted access opening to 350mm Ø or 300mm x 300mm id depth of chamber to invert is >1m
- CP = 500mm deep catchpit required in manhole

PRIVATE SURFACE WATER MANHOLE SCHEDULE - SYSTEM 2						
MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	DIAMETER / SIZE	COVER TYPE	MANHOLE TYPE
S101	67.6000	66.2500	1.350	1200	D400	2, Figure B.12
S102 R	68.0000	67.1480	0.852	450	B125	3, Figure B.16
S103	67.8060	66.054	1.752	1200	D400	2, Figure B.12
S104	63.738	62.300	1.438	1200	D400	Hydrobrake MH
S105	61.8440	60.494	1.350	1200	D400	2, Figure B.12
S106	61.2000	59.850	1.350	1200	D400	2, Figure B.12
S107	60.6400	58.250	2.390	1200	D400	2, Figure B.12
S108	60.4100	58.250	2.160	1200	D400	Hydrobrake MH
S109	66.6170	65.267	1.350	1200	D400	2, Figure B.12
S110	66.0120	64.662	1.350	1200	D400	2, Figure B.12
S111	62.600	61.250	1.350	1200	D400	2, Figure B.12
S112	60.460	58.200	2.260	1200	D400	Hydrobrake MH
S113	60.1000	58.103	1.997	1200	D400	2, Figure B.12
S114	59.090	57.900	1.190	675 x 1200	D400	Type C
S115	58.7740	57.763	1.011	1200	D400	Hydrobrake MH
S116	58.8220	57.737	1.085	675 x 1200	B125	Type C

Notes:

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- CP = 500mm deep catchpit required in manhole

PRIVATE FOUL WATER MANHOLE SCHEDULE - SYSTEM 1						
MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	DIAMETER / SIZE	COVER TYPE	MANHOLE TYPE
F201	65.710	64.210	1.500	1200	D400	2, Figure B.12
F202	64.660	63.160	1.500	1200	D400	2, Figure B.12
F203	61.525	60.225	1.300	1200	D400	2, Figure B.12
F204 R	62.800	62.000	0.800	450	B125	4, Figure B.21
F205 R	62.100	61.300	0.800	450	B125	4, Figure B.21
F206	61.300	59.750	1.550	1200	D400	2, Figure B.12
F207 R	59.400	58.600	0.800	450	B125	4, Figure B.21
F208 R	58.875	58.075	0.800	450	B125	4, Figure B.21
F209	59.125	57.725	1.400	1200	D400	2, Figure B.12
F210	58.500	57.150	1.350	1200	D400	2, Figure B.12
F211	58.450	57.080	1.370	1200	D400	2, Figure B.12

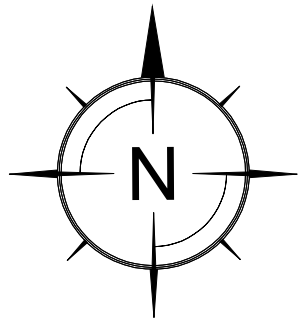
Notes:

- R = Restricted access opening to 350mm Ø or 300mm x 300mm id depth of chamber to invert is >1m
- CP = 500mm deep catchpit required in manhole

PRIVATE FOUL WATER MANHOLE SCHEDULE - SYSTEM 2						
MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	DIAMETER / SIZE	COVER TYPE	MANHOLE TYPE
F101	67.500	66.000	1.500	1200	D400	2, Figure B.12
F102	67.700	66.500	1.200	450	B125	3, Figure B.16
F103	67.800	65.780	2.020	1200	D400	2, Figure B.12
F104	61.760	60.260	1.500	1200	D400	2, Figure B.12
F105	61.180	59.830	1.350	1200	D400	2, Figure B.12
F106	60.680	59.180	1.500	1200	D400	2, Figure B.12
F107	65.910	64.410	1.500	1200	D400	2, Figure B.12
F108	62.950	61.450	1.500	1200	D400	2, Figure B.12
F109	60.360	59.010	1.350	1200	D400	2, Figure B.12

Notes:

- R = Restricted access opening to 350mm Ø or 300mm x 300mm id depth of chamber to invert is >1m
- CP = 500mm deep catchpit required in manhole



GENERAL NOTES:

- All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
- This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.
- The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.
- Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

DRAINAGE NOTES:

- All adoptable pipes, bends and junctions shall be vitrified clay in accordance with the current version of BS EN 295-1, with flexible joints and kitemark certified.
- All Adoptable sewers shall be in strict accordance with the 7th edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.
- All private building drainage shall be constructed in strict in accordance with the current version of BS EN 752:2017. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.
- Where a pipe is within 1m of a foundation the trench shall be filled with class GEN 3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN 3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN 3 concrete.
- Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.
- In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibrecard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
- All svps shall have rodding access plates fitted at their bases (ground floor level).
- Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.
- Any discrepancy between the drawing and site should be reported immediately to the Engineer.
- All manhole and chamber sizes are given as a minimum to meet the 7th edition of Sewers For Adoption

REV	DATE	INT	DESCRIPTION	CHK
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Issue Status PRELIMINARY

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CLIENT		Bargate Homes Limited	
PROJECT		Norton Heights Phase 2 Lovedean Lane, Horndean	
TITLE		Proposed Drainage Manhole Schedules	
DRAWN PR	DATE Jan 2021	PROJECT NO.	23246
ENGINEER SB	CHECKED SB	DWG. NO.	205
SCALE NTS @ A1		REV.	