

SURFACE WATER MANHOLE SCHEDULE							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
1	450	Type D	22.000	21.250	0.600	564729.725	173783.818
2	600	Type D	22.300	21.062	1.013	564729.863	173772.515
3	600	Type D	22.300	20.914	1.161	564704.799	173772.209
4	600	Type D	22.100	21.275	0.600	564677.300	173782.874
5	600	Type D	22.000	20.849	0.926	564704.799	173783.209
6	600	Type D	22.000	21.175	0.600	564679.148	173809.368
7	600	Type D	22.000	20.618	1.082	564704.765	173809.681
8	450	Type D	22.000	21.250	0.600	564728.546	173799.740
9	450	Type D	22.000	21.007	0.843	564727.056	173824.163
10	450	Type D	21.595	20.786	0.659	564704.799	173823.905
11	600	Catchpit	21.900	20.569	1.031	564704.799	173817.232
12	Not in Use						
13	1200	Hydrobrake	21.550	20.273	1.127	564680.147	173823.419
14	1350	Type C	21.170	20.149	0.871	564667.884	173825.901

FOUL WATER MANHOLE SCHEDULE							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
PF1	450	Type D	22.000	21.400	0.500	564728.962	173780.779
PF2	450	Type D	22.250	21.300	0.850	564729.053	173773.055
PF3	450	Type D	22.250	20.950	1.150	564705.799	173772.771
PF4	450	Type D	22.000	20.550	1.300	564705.782	173784.922
PF5	450	Type D	22.000	20.300	1.550	564705.745	173808.916
PF6	450	Type D	21.785	20.205	1.430	564705.724	173823.015
PF7	450	Type D	21.450	20.105	1.195	564690.997	173825.468
PF8	450	Type D	22.000	21.400	0.500	564720.157	173773.537
PF9	450	Type D	22.000	21.400	0.500	564717.164	173773.934
PF10	450	Type D	22.000	21.200	0.650	564681.231	173784.622
PF11	450	Type D	22.000	21.400	0.500	564682.406	173786.476
PF12	450	Type D	22.000	21.400	0.500	564692.082	173785.811
PF13	450	Type D	22.000	21.400	0.500	564701.965	173785.797
PF14	450	Type D	22.000	21.400	0.500	564709.273	173786.482
PF15	450	Type D	22.000	21.400	0.500	564708.203	173788.153
PF16	450	Type D	22.000	21.400	0.500	564707.717	173799.135
PF17	450	Type D	22.000	21.400	0.500	564707.720	173802.742
PF18	450	Type D	22.000	21.400	0.500	564701.698	173805.474
PF19	450	Type D	22.000	21.300	0.550	564682.152	173808.480
PF20	450	Type D	22.000	21.400	0.500	564684.506	173806.937
PF21	450	Type D	22.000	21.400	0.500	564691.336	173807.806
PF22	450	Type D	22.000	21.400	0.500	564709.186	173809.059
PF23	450	Type D	22.000	21.400	0.500	564729.360	173792.314
PF24	450	Type D	22.000	21.050	0.800	564729.360	173795.604
PF25	450	Type D	21.700	20.700	0.850	564727.672	173823.270
PF26	450	Type D	22.000	21.050	0.850	564726.699	173802.663
PF27	450	Type D	22.000	21.000	0.900	564726.606	173805.538
PF28	450	Type D	22.000	21.000	0.900	564725.843	173813.834
PF29	450	Type D	22.000	21.000	0.900	564725.860	173817.302
PF30	450	Type D	21.800	21.150	0.550	564715.571	173822.501
PF31	450	Type D	21.900	21.150	0.650	564710.598	173822.413

- 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 kilnmark certified.
 - All Adoptable sewers shall be in strict accordance with the SSG Appendix C - Design and Construction Guidance. 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 (fibroboard 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 SSG Appendix C-Design and Construction Guidance

REV	DATE	INT	DESCRIPTION	CHK
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Issue Status TENDER



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CLIENTChurchill Retirement Living

PROJECTWindmill Street
Gravesend

TITLEManhole Schedule

DRAWNPR

DATEJan 2023

ENGINEERSMS

CHECKEDSM

SCALENTS @ A1

PROJECT NO.23786

DWG No.11

REV.