

FOUL MANHOLES (PRIVATE)							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
F1	450	PPIC	15.950	15.050	0.800	532327.202	190089.640
F2	750x600	PCC	15.950	14.780	1.070	532320.190	190092.361
F3	750x600	PCC	15.950	14.640	1.160	532313.473	190094.981
F4	750x600	PCC	15.950	14.610	1.190	532308.436	190096.900
F5	750x600	PCC	15.950	14.560	1.240	532301.733	190099.488
F6	750x600	PCC	15.950	14.520	1.280	532296.682	190101.439
F7	750x600	PCC	15.950	14.480	1.320	532289.975	190104.036
F8	750x600	PCC	15.950	14.440	1.360	532284.928	190105.978
F9	750x600	PCC	15.950	14.390	1.410	532278.221	190108.575
F10	750x600	PCC	15.950	14.350	1.450	532273.174	190110.517
F11	450	PPIC	15.950	14.780	1.070	532311.110	190103.102
F12	750x600	PCC	15.950	14.640	1.160	532304.373	190105.525
F13	450	PPIC	15.952	14.603	1.199	532299.119	190107.353
F14	450	PPIC	15.950	14.560	1.240	532293.213	190109.738
F15	450	PPIC	15.950	14.950	0.900	532289.873	190113.584
F16	450	PPIC	15.952	14.950	0.902	532286.194	190117.430
F17	450	PPIC	15.950	14.440	1.360	532280.355	190121.427
F18	450	PPIC	15.950	14.950	0.900	532276.590	190125.495
F19	450	PPIC	15.950	14.410	1.390	532276.770	190122.931
F20	450	PPIC	15.800	14.829	0.871	532254.088	190113.585
F21	450	PPIC	15.800	14.668	1.032	532253.525	190112.560
F22	450	PPIC	15.800	14.648	1.052	532252.762	190111.173
F23	450	PPIC	15.800	14.830	0.870	532252.322	190109.608
F24	450	PPIC	15.800	14.574	1.126	532249.853	190106.027
F25	450	PPIC	15.800	14.943	0.757	532249.843	190103.012
F26	450	PPIC	15.800	14.514	1.186	532245.671	190103.612

STORM MANHOLES (ADOPTABLE)							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S23	1500	Type B	15.939	13.952	1.462	532333.926	190092.875

STORM MANHOLES (PRIVATE)							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S1	100	Rodding eye	15.950	15.410	0.440	532288.367	190092.134
S2	450	PPIC	15.800	15.090	0.610	532264.110	190099.217
S3	450	PPIC	15.950	14.980	0.820	532267.578	190100.162
S4	100	Rodding eye	15.950	15.280	0.570	532292.540	190103.647
S5	100	Rodding eye	15.800	15.180	0.520	532257.104	190117.332
S6	450	PPIC	15.950	14.860	0.940	532271.989	190111.584
S7	1200	Catchpit	15.890	14.740	1.000	532273.436	190115.330
S8	500	Silt trap	15.950	15.150	0.700	532283.565	190119.082
S9	500	Silt trap	15.950	15.160	0.690	532290.581	190113.248
S10	500	Silt trap	15.950	15.170	0.680	532295.455	190109.532
S11	100	Rodding eye	15.950	15.600	0.250	532287.354	190129.357
S12	450	PPIC	15.950	15.290	0.560	532300.942	190116.763
S13	450	PPIC	15.950	14.920	0.880	532318.700	190109.708
S14	100	Rodding eye	15.950	15.250	0.600	532303.554	190106.404
S15	450	PPIC	15.950	14.840	0.960	532315.771	190101.686
S16	450	PPIC	15.950	14.680	1.120	532330.298	190095.913
S17	100	Rodding eye	15.950	15.250	0.600	532294.860	190089.626
S18	450	PPIC	15.950	14.830	1.020	532318.235	190080.600
S19	450	PPIC	15.950	14.590	1.210	532329.446	190081.624
S20	100	Silt trap	15.950	15.250	0.600	532295.713	190102.422
S21	450	PPIC	15.950	14.520	1.280	532330.659	190088.982
S22	1200	Flow Control	15.890	14.470	1.270	532331.362	190092.960
S7A	450	PPIC	15.950	15.310	0.540	532277.408	190125.617

- NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - All drainage works to be carried out in accordance with the requirements of the Local Authority, the Environment Agency and in conjunction with all relevant British Standards, Codes of Practice and any addendums as appropriate.
 - Invert levels and positions of existing drains / chambers / sewers where new connections are to be made must be checked and confirmed to the Engineer prior to the commencement of any works.
 - All drainage shall comply with the typical details and the requirements of BS EN 752 and Part H of the Building Regulations.
 - Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned and inspected. Any structural defects shall be repaired using appropriate and approved means.
 - For setting-out dimensions of SVPs, RWP's etc, refer to the Architect's or Mechanical Engineer's drawings. Positions shown are indicative only.
 - All pipework shall be 100mm diameter unless otherwise noted.
 - All precast concrete units used in the drainage works shall be manufactured using sulphate resisting cement.
 - Manhole covers and frames shall be to BS EN 124 and shall be Kitemarked. Covers and frames shall be heavy duty (D400) in carriageways and vehicular areas and medium duty (B125) in footways and soft landscaping. In blocked / concrete paved areas, covers shall be recessed fabricated steel. All recessed covers shall be in accordance with the FACTA association gradings.
 - Cover levels shown are approximate only and are to be adjusted to suit finished ground levels.
 - At least one soil pipe at the head of each foul run shall vent to the atmosphere.
 - Existing drainage to be removed is to be broken out to bed level and void backfilled with granular material, compacted in layers not exceeding 225mm.
 - All drain runs from SVPs, stub stacks, or FW gullies to be laid at 1:40 gradient unless otherwise noted. All RWPs to be laid at minimum 1:60 gradient unless otherwise stated.
 - Access panels are to be provided to all rainwater pipes, max 600mm above finished ground level.
 - All manholes / inspection chambers in block paved areas to have recessed covers. MH covers in paved areas to have cover and frame orientated 'square' with paving to minimise cut slabs or blocks.
 - All gradients on drainage runs are indicative. Runs to be laid soffit to soffit.
 - Generally pipes to have granular bed and surround in accordance with the manufactures recommendations, ensuring adequate protection with respect to depth and location.
 - All private drainage to be laid to levels shown using flexibly jointed pipes, either uPVC to BS 4660 and BS 5481 or vitrified clayware to BS EN 295.
 - Rodding eyes are to be laid to manufactures minimum cover and depth to allow adequate fall from adjoining unit.
 - Where new sewers are to be constructed within 5m of a new or existing tree, the sewer shall be encased in concrete against root intrusion.
 - All new drainage to be jetted and CCTV surveyed on completion. Contractor to ensure that the drainage is fully operational.
 - All runs connecting into public drainage network to be extra strength clayware to BS EN 295 or BS65 with plain sleeved or socketed flexible joints.
 - Before commencing any sewer or drainage works, the groundworker is to satisfy himself, the Client and the Local Authority of actual levels and conditions of existing sewers/drains.
 - HEALTH AND SAFETY: The works shall be carried out by specialist competent and experienced contractors who are members of a recognised national organisation. Operatives shall have received full and appropriate training for the operations they are to undertake. All work shall be carried out in accordance with all pertinent Health and Safety Regulations.

C3	08/11/22	Annotation amended to manholes S6 and S7A	MB
C2	08/11/22	Four drainage amended	MB
C1	07/11/22	Issued for CONSTRUCTION	MB
Rev	Date	Description	By
Drawing Status			
CONSTRUCTION			
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Job			
FRANKUM MEWS CRAWLEY ROAD WOOD GREEN			
Title			
BELOW GROUND DRAINAGE MANHOLE SCHEDULES			
Scale @ A1	Date	By	Checked
N/A	OCT '22	PTW	MB
Drawing Number			Revision
MBP / 8545 / 502			C1