

NOTES

- The contractor is responsible for verifying all site & setting out dimensions before commencing work.
- The drawing is to be read in conjunction with all relevant Architectural and M&E drawings.
- All dimensions in meters unless otherwise stated.

FOUL WATER SCHEDULE - ADOPTABLE

MH No.	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S66	13500	Type C	B125	139.881	138.531	1.200	538704.516	236230.40
S67	13500	Type C	D400	139.746	138.396	1.200	538712.494	236276.059
S68	13500	Type C	D400	139.658	138.308	1.200	538712.494	236281.294
SW15	13500	Type C	D400	138.959	137.841	0.894	538697.748	236119.587
SW61	13500	Type C	D400	141.285	139.858	1.024	538643.597	236230.039
SW90	13500	Type C	D400	139.460	138.100	1.265	538672.517	236225.212
EX/FW/501A	12000	Type B	D400	135.600	133.200	2.250	538694.977	236042.783
F2	13500	Type C	D400	144.643	143.293	1.200	538633.367	236234.550
F3	13500	Type C	D400	144.761	143.214	1.237	538313.887	236235.039
F4	13500	Type B	D400	144.929	143.054	1.725	538343.221	236243.405
F5	13500	Type B	D400	144.874	142.624	1.900	538302.242	236247.265
F6	13500	Type C	D400	143.413	141.940	1.323	538435.733	236256.523
F7	13500	Type C	D400	143.277	141.861	1.216	538448.383	236256.685
F8	13500	Type C	D400	141.910	139.550	2.200	538551.307	236242.903
F9	13500	Type C	D400	145.112	143.763	1.200	538698.616	236312.198
F11	13500	Type C	D400	144.869	143.522	1.197	538362.486	236241.477
F12	13500	Type C	D400	144.761	143.185	1.416	538391.259	236267.246
F13	13500	Type C	D400	144.551	142.023	1.367	538339.854	236189.038
F14	13500	Type C	D400	143.057	141.572	1.375	538368.887	236204.875
F15	12000	Type B	D400	142.699	140.384	2.165	538420.854	236190.408
F16	12000	Type B	D400	142.664	140.316	2.166	538434.406	236197.191
F17	12000	Type B	D400	144.880	144.024	0.956	538313.231	236234.406
F18	13500	Type C	D400	142.373	140.161	2.082	538447.356	236196.873
F19	12000	Type B	D400	141.292	139.527	1.614	538516.855	236183.516
F21	12000	Type B	D400	140.149	138.299	1.700	538596.256	236162.425
F22	12000	Type B	D400	140.149	138.299	1.700	538596.256	236162.425
F23	13500	Type C	D400	139.591	137.015	1.428	538303.104	236241.725

FOUL WATER SCHEDULE - ADOPTABLE

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F24	12000	Type B	D400	139.184	136.240	1.724	538633.449	236141.133
F25	12000	Type B	D400	137.356	135.362	1.844	538648.365	236135.365
F26	12000	Type B	D400	136.503	135.128	1.275	538655.549	236123.303
F27	12000	Type B	D400	141.289	138.753	2.386	538572.554	236233.475
F28	12000	Type B	D400	140.863	138.591	2.232	538634.669	236231.648
F29	12000	Type B	D400	140.655	138.507	1.998	538655.945	236232.641
F30	12000	Type B	D400	140.379	138.360	1.870	538625.702	236230.747
F31	13500	Type C	D400	140.375	138.616	1.409	538621.672	236184.547
F32	13500	Type C	D400	139.432	137.951	1.330	538620.124	236175.594
F33	13500	Type C	D400	141.382	138.712	1.200	538649.987	236226.814
F34	13500	Type C	D400	140.716	139.266	1.300	538646.853	236237.780
F35	13500	Type C	D400	140.495	139.090	1.255	538643.588	236230.173
F37	12000	Type B	D400	140.138	137.257	1.700	538640.677	236232.747
F38	13500	Type C	D400	139.184	136.240	1.724	538633.449	236141.133
F39	13500	Type C	D400	138.851	137.501	1.200	538699.553	236231.883
F40	13500	Type C	D400	138.102	137.337	1.215	538688.782	236212.482
F42	13500	Type C	D400	138.119	136.769	1.200	538682.881	236212.299
F43	13500	Type C	D400	137.828	136.228	1.450	538695.567	236192.301
F46	13500	Type C	D400	139.967	137.957	1.250	538705.074	236224.847
F48	12000	Type B	D400	141.645	139.000	2.495	538649.285	236233.089
F49	15000	Type C	D400	138.063	134.611	3.200	538632.236	236083.696
F50	12000	Type B	D400	141.708	139.822	1.825	538644.502	236219.822
F53	12000	Type B	D400	141.425	140.450	1.797	538649.035	236248.490
F54	12000	Type B	D400	141.528	138.923	2.452	538559.637	236252.293

DRAINAGE NOTES:

- All drainage works to be constructed in strict accordance with specification of the Local Authority, Building Regulations, Design and Construction Guidance (published by Water UK) & BS EN 752.
- Any existing drainage found crossing the site is to be investigated, and if found to be 'live', it should be diverted in consultation with the Client.
- For location and setting out of building drainage points refer to architects drawings.
- All pipe runs near buildings to be constructed with the pipe joint in the wall. Where a pipe is within 1m of a foundation the trench shall be filled with class G3/3 concrete up to the lowest level of the foundation. Where the drainage is further than 1m from the foundation, the trench shall be filled with class G3/3 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 G3/3 concrete.
- Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class G3/3 concrete encasement (150mm thick).
- Where a pipe, under a carriageway, has a depth of cover of less than 1.2m the pipe shall be laid in a concrete bed and surround.
- Where a pipe, under a vehicular area other than a carriageway has a depth of cover of less than 0.8m the pipe shall be protected with a concrete slab set above it.
- In any circumstance where pipes are bedded and surrounded in concrete the joints should be provided with gaskets of rubber or polyethylene and 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 private building drainage shall be constructed in strict accordance with BS EN 752. Foul drainage between the floor slab and bed shall be laid, shall be laid no flatter than 1:40. Unless otherwise specified below ground building drainage external to the building shall be 100mm diameter and shall be laid at a minimum gradient of '1 in 40' (1 in 1 in 80) for foul drains and 1 in 80 for surface water drains.
- All building drains shall be laid in conjunction with 'non adhesive bedding details' (class d, n or b) unless otherwise specified.
- All pipes, bends and junction for private building drainage shall be UPVC compliant to BS4661, BS EN 13598 and BS EN 1401 as appropriate and shall be laid in accordance with the manufacturer's specification.
- All back inlet gullies to be roddable or connected to inspection chambers.
- All gully connections other than at manholes to be by 'j' junctions.
- All gully gully connections to be 150mm diameter.
- All sub stacks to be fitted with air admission valves where branch drain exceeds 12m except at the head of the run. Soil vent pipes located at the head of a run terminate to fresh air.
- No low point shall be without a method of drainage.
- All connections to be soffit to soffit unless otherwise noted.
- All concrete and concrete products to be in accordance with BRE 363 for sulphates.
- The locations of all building drainage points shall be cross referenced against the architects drawings during setting out and any discrepancies reported immediately.
- Before connections are made to existing public sewers an application under S106 must be made to relevant sewerage undertaker.
- The precise depth and location and size of existing pipes, watercourses or manholes where connections or diversion are proposed must be confirmed and reported to the engineer before works commence on site.
- Any existing drains to be abandoned to be decommissioned in accordance with the Building Regulations by either grouting, infilling or sealing.
- Should ground water be encountered on site during construction the Client shall be informed to determine if additional measures are required.
- The drainage system shall be fully commissioned on completion of the project using methods that ensure pollution of site does not occur.
- Any existing drain laid severed during construction shall be reinstated.

PRIVATE SURFACE WATER SCHEDULE

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