GENERAL NOTES

1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.

2. Tender or billing drawings shall not be used for construction or the ordering of materials.

3. Do not scale. All dimensions and levels to be site confirmed.

4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements

5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.

6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

SECTION 104 DRAINAGE - SURFACE WATER MANHOLE SCHEDULE - NETWORK 1

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
SWMH1.2	1350	Type C	7.631	6.32	1.011	490267.968	99689.967
SWMH1.3	1350	Type C	7.485	6.26	0.925	490254.701	99693.756
SWMH1.4	1350	Type C	7.637	6.175	1.162	490248.538	99675.750
SWMH1.5	1350	Type C	7.364	6.05	1.014	490248.394	99646.479
SWMH1.6	1350	Type C	7.404	5.86	1.169	490248.271	99621.239
SWMH1.7	1350	Type C	7.544	5.81	1.359	490241.749	99610.518
SWMH1.8	1500	Type C	7.400	5.61	1.265	490232.667	99600.418
SWMH1.9	1500	Type C	7.211	5.57	1.116	490220.143	99586.491
SWMH1.10	1800	Type C	7.079	5.24	1.014	490209.739	99576.844
SWMH1.11	1800	Type C	7.152	5.20	1.127	490195.519	99553.314
SWMH1.12	1800	Type C	7.270	5.175	1.270	490211.813	99543.468
SWMH1.13	1800	Type C	7.168	5.12	1.223	490239.036	99511.493
SWMH1.14	1800	Type C	7.077	5.10	1.152	490244.386	99504.164
SWMH1.15	1800	Type C	6.863	5.07	0.968	490256.913	99486.897
SWCP1.16	1800	CATCHPIT	6.635	5.02	0.79	490284.559	99463.227
SWMH1.17	1800	Type C	6.40	4.975	0.525	490299.390	99430.631
SWMH1.18	1800	Type C	6.40	4.93	0.57	490266.942	99418.602
SWMH1.19	2100	Type C Flow Control	6.45	4.86	0.69	490213.140	99400.265
SWMH1.20	1800	Type C	6.112	4.635	0.577	490030.950	99477.513
SWMH1.21	1800	Type C	6.953	4.59	1.463	490046.153	99520.224
SWMH1.22	1800	Type C	6.572	4.535	1.137	490063.537	99570.705
SWMH1.23	1800	Type C	6.778	4.510	1.368	490066.029	99598.047
SWMH1.24	2400	Type C Flow Control	6.85	4.46	2.09	490082.647	99646.573
SWMH1.25 (Outfall)	1800	Type B CATCHPIT	6.70	4.20	1.900	490057.623	99654.584
SWMH2.1	1350	Type C	7.675	6.37	1.005	490231.729	99701.358
SWMH3.1	1350	Type C	7.608	6.375	0.933	490194.925	99704.472
SWMH3.2	1350	Type C	7.621	6.35	0.971	490190.516	99701.478
SWMH3.3	1350	Type C	7.577	6.21	1.067	490187.759	99670.314
SWMH3.4	1500	Type C	7.403	5.975	1.053	490175.993	99635.534
SWMH3.5	1500	Type C	7.246	5.90	0.971	490161.447	99617.529
SWMH3.6	1500	Type C	7.109	5.74	0.994	490198.208	99586.559
SWMH4.1	1350	Type C	7.086	5.81	0.976	490178.570	99559.438
SWMH5.1	1500	Type C	7.167	5.47	1.097	490286.935	99549.911
SWMH5.2	1500	Type C	6.987	5.42	0.967	490266.409	99533.459
SWMH5.3	1500	Type C	7.256	5.375	1.281	490250.985	99521.082
SWMH6.1	1350	Type C	7.318	5.82	1.198	490198.793	99478.035
SWMH6.2	1350	Type C	7.335	5.70	1.260	490201.719	99487.748
SWMH6.3	1350	Type C	7.299	5.55	1.299	490216.391	99484.548
SWMH6.4	1500	Type C	7.236	5.375	1.261	490224.590	99488.452
SWMH7.1	1500	Type C	7.223	5.61	1.013	490282.937	99621.483
SWMH7.2	1500	Type C	7.310	5.575	1.135	490300.896	99621.683
SWMH7.3	1500	Type C	7.230	5.52	1.110	490327.431	99621.993
SWMH7.4	1500	Type C	7.117	5.42	1.097	490327.442	99567.715
SWMH7.5	1500	Type C	6.900	5.375	0.925	490327.627	99546.124
SWCP7.6	1800	CATCHPIT	6.50	5.08	0.595	490329.052	99507.946
SWMH8.1	1350	Type C	7.343	5.56	1.333	490132.564	99692.967
SWMH8.2	1350	Type C	7.235	5.535	1.250	490125.665	99685.764
SWMH8.3	1350	Type C	7.030	5.48	1.100	490117.180	99667.201
SWMH8.4	1350	Type C	7.031	5.445	1.136	490109.260	99655.967
SWMH8.5	1350	Type C	7.089	5.42	1.219	490102.958	99650.338
SWMH8.6	1800	Type B	7.641	4.98	1.911	490139.123	99608.042
SWMH8.7	1800	Type B	7.512	4.945	1.817	490139.402	99583.202
SWMH8.8	1800	Type B	7.412	4.93	1.732	490142.746	99575.464
SWMH8.9	1800	Type B	7.251	4.91	1.591	490132.311	99569.040
SWMH8.10	1800	Type C	7.025	4.89	1.385	490126.968	99558.334
SWMH8.11	1800	Type C	6.648	4.83	1.068	490114.219	99515.506
SWMH8.12	1800	Type C	6.679	4.81	1.119	490110.191	99504.129
SWMH8.13	1800	Type C	6.730	4.78	1.200	490104.780	99486.744
SWMH8.14	1800	Type C	6.407	4.735	0.922	490091.170	99456.267
SWCP8.15	1800	CATCHPIT	6.424	4.725	0.949	490088.778	99450.911
SWMH9.1	1200	Type B	7.319	5.50	1.519	490149.232	99569.394
SWMH10.1	1350	Type C	6.774	5.54	0.934	490067.381	99566.232
SWMH10.2	1500	Type C	6.797	5.19	1.007	490074.598	99575.011
SWMH10.3	1500	Type C	6.818	5.14	1.078	490098.414	99567.427
SWMH11.1	1500	Type C	7.098	5.12	1.378	490173.864	99496.580
SWMH11.2	1500	Type C	6.848	5.07	1.178	490150.268	99504.067
SWMH12.1	1350	Type C	7.089	5.45	1.339	490052.883	99516.724
SWMH12.2	1350	Type C	7.142	5.42	1.422	490054.455	99521.774
SWMH12.3	1500	Type C	6.925	4.96	1.290	490071.742	99516.394
SWMH13.1	1350	Type C	6.533	5.26	0.973	490104.805	99443.979
SWMH14.1	1500	Type B	7.276	4.96	1.716	490189.807	99448.987
SWMH14.2	1500	Type B	7.076	4.91	1.566	490183.071	99425.110
SWCP14.3	1800	CATCHPIT	6.831	4.86	1.371	490204.872	99414.129
SWMH15.1	1350	Type C	6.568	5.28	0.988	490231.312	99411.515
SWMH15.2	1350	Type C	6.695	5.22	1.175	490217.776	99410.812
* HWMH16.1	1350	Type C	6.683	5.43	1.028	490045.324	99669.278
SWMH16.2	1350	Type C	6.703	5.31	1.168	490062.636	99663.887
SWMH16.3	1200	Type B	6.956	5.16	1.571	490085.714	99657.239
SWCP16.4	1800	CATCHPIT	7.00	5.11	1.665	490083.663	99650.109

SECTION 104 DRAINAGE - 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)
FMH1.1	1350	Type C	7.099	5.78	1.219	490185.646	99427.473
FMH1.2	1200	Type B	7.295	5.39	1.805	490194.895	99456.525
FMH1.3	1200	Type B	7.326	4.96	2.216	490203.945	99484.954
FMH1.4	1200	Type B	6.830	4.57	2.110	490148.259	99502.137
FMH1.5	1200	Type B	6.642	4.10	2.392	490114.942	99512.415
FMH1.6	1200	Type B	7.014	3.79	3.074	490127.926	99555.684
FMH1.7	1200	Type A	7.447	3.56	3.737	490138.314	99577.216
FMH1.8	1200	Type A	7.541	3.48	3.911	490136.496	99587.451
FMH1.9	1200	Type A	7.655	3.38	4.125	490141.553	99600.762
FMH1.10	1200	Type A	7.052	2.96	3.942	490103.783	99646.409
FMH1.11	1500	Type A	6.955	2.87	3.935	490094.109	99653.092
FMH1.12	1500	Type A	6.890	1.73	5.010	490077.346	99657.679
FMH1.17	1200x900	Type C	6.282	4.75	1.282	489936.323	99338.864
FMH2.1	1200	Type B	7.012	4.81	2.102	490063.785	99521.448
FMH2.2	1200	Type B	6.651	4.21	2.291	490105.458	99508.556
FMH2.3	1200	Type B	6.658	4.15	2.358	490113.267	99506.145
FMH3.1	1200	Type B	6.723	4.59	2.033	490106.882	99485.373
FMH4.1	1200	Type B	6.764	4.78	1.884	490075.307	99572.178
FMH4.2	1200	Type B	6.867	4.19	2.577	490119.642	99558.283
FMH5.1	1350	Type C	6.919	5.42	1.399	490321.042	99554.187
FMH5.2	1200	Type B	7.189	5.01	2.079	490288.352	99553.422
FMH5.3	1200	Type B	7.038	4.74	2.148	490275.013	99543.110
FMH5.4	1200	Type B	7.255	4.53	2.575	490250.610	99524.243
FMH5.5	1200	Type B	7.201	4.39	2.661	490234.587	99511.857
FMH5.6	1200	Type A	7.327	4.17	3.007	490214.208	99536.886
FMH5.7	1200	Type A	7.219	4.05	3.019	490200.623	99548.462
FMH5.8	1200	Type A	7.087	3.91	3.027	490182.820	99556.202
FMH5.9	1200	Type A	7.333	3.65	3.533	490146.666	99567.774
FMH6.1	1200	Type B	7.263	5.50	1.663	490222.281	99484.347
FMH6.2	1200	Type B	7.040	4.78	2.110	490243.981	99500.595
FMH7.1	1350	Type C	7.150	5.68	1.370	490319.716	99624.042
FMH7.2	1200	Type B	7.296	5.07	2.076	490275.574	99624.069
FMH7.3	1200	Type B	7.413	4.65	2.613	490245.455	99624.164
FMH7.4	1200	Type B	7.483	4.60	2.733	490243.017	99617.416
FMH7.5	1200	Type B	7.550	4.54	2.860	490238.826	99611.104
FMH7.6	1200	Type B	7.384	4.45	2.784	490229.848	99601.204
FMH7.7	1200	Type B	7.100	4.26	2.690	490211.108	99580.864
FMH8.1	1200	Type B	7.552	5.32	2.132	490248.459	99683.315
FMH8.2	1200	Type B	7.581	5.12	2.361	490245.892	99668.143
FMH8.3	1200	Type B	7.379	4.81	2.419	490245.696	99647.960
FMH9.1	1200	Type A	7.682	4.40	3.132	490187.534	99690.064
FMH9.2	1200	Type A	7.590	4.25	3.190	490185.326	99667.884
FMH9.3	1200	Type A	7.416	4.03	3.236	490174.846	99637.980
FMH9.4	1200	Type A	7.235	3.875	3.210	490161.269	99620.088
FMH10.1	1350	Type C	6.447	5.23	1.117	489837.722	99455.752
FMH10.2	1200	Type B	6.051	4.19	1.761	489845.370	99499.124
FMH10.3	1200	Type B	6.378	3.73	2.498	489852.232	99530.681
FMH10.4	1200	Type B	6.542	3.60	2.792	489861.380	99546.944
FMH10.5	1200	Type B	6.354	3.40	2.804	489871.405	99574.056
FMH10.6	1200	Type B	6.406	3.28	2.976	489879.694	99589.733
FMH10.7	1200	Type A	6.470	3.23	3.090	489884.217	99594.636
FMH10.8	1200	Type A	6.554	3.17	3.234	489891.545	99599.202
FMH10.9	1200	Type A	6.356	3.06	3.146	489906.001	99604.413
FMH10.10	1200	Type A	6.227	2.97	3.107	489918.981	99605.999
FMH10.11	1200	Type A	6.004	2.81	3.044	489942.530	99609.696
FMH10.12	1200	Type A	6.121	2.68	3.291	489959.192	99617.368
FMH10.13	1200	Type A	6.343	2.53	3.663	489976.477	99631.070
FMH10.14	1200	Type A	6.885	2.14	4.595	490020.992	99667.564
FMH10.15	1500	Type A	6.802	2.05	4.602	490033.441	99670.614
FMH10.16	1500	Type A	6.768	1.83	4.788	490064.218	99661.550
FMH11.1	1200	Type B	6.330	3.85	2.330	489917.391	99614.869

SECTION 104 DRAINAGE - SURFACE WATER MANHOLE SCHEDULE - NETWORK 2

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
SWMH17.1	1500	Type C	6.852	4.55	1.702	490019.677	99664.408
SWMH17.2	1500	Type C	6.275	4.44	1.235	489975.968	99628.259
SWMH17.3	1500	Type C	6.098	4.40	1.098	489962.258	99617.198
SWMH17.4	1500	Type C	5.978	4.35	1.028	489941.722	99607.268
SWMH17.5	1800	Type C	6.310	4.29	1.420	489911.408	99603.563
SWCP17.6	1800	CATCHPIT	6.534	4.255	2.054	489893.920	99598.257
SWMH17.7	1800	Type B	6.444	4.23	1.614	489883.153	99591.268
SWCP17.8	1800	CATCHPIT	5.428	4.20	0.628	489882.614	99574.526
SWMH17.9	2100	Type C Flow Control	5.80	4.17	1.48	489884.152	99557.552
SWMH17.10 (Outfall)	1800	Type C CATCHPIT	5.75	3.985	1.165	489883.663	99553.869
SWMH18.1	1500	Type C	6.206	4.31	1.296	489915.433	99608.153
SWCP19.1	1800	CATCHPIT	5.539	4.325	0.989	489922.165	99593.393
SWCP19.2	1800	CATCHPIT	5.892	4.28	1.012	489905.892	99591.344
* HWMH20.1	1350	Type C	6.428	4.71	1.493	489870.211	99563.764
* HWMH20.2	1350	Type C	6.314	4.63	1.459	489873.838	99575.409
SWMH21.1	1350	Type C	6.546	4.85	1.396	489826.700	99422.830
SWMH21.2	1200	Type B	6.677	4.785	1.592	489833.509	99434.105
SWMH21.3	1350	Type C	6.386	4.61	1.401	489840.064	99456.865
SWMH21.4	1350	Type C	6.218	4.325	1.443	489851.097	99519.435
SWMH21.5	1350	Type B	6.391	4.27	1.671	489855.481	99533.726
SWCP21.6	1800	CATCHPIT	5.885	4.245	1.190	489864.327	99536.798
SWMH21.7	1500	Type C Flow Control	5.69	4.17	1.37	489884.252	99549.387

NOTES

MANHOLES ANNOTATED WITH * ARE TO BE OFFERED FOR ADOPTION TO THE HIGHWAYS AUTHORITY UNDER A S38 AGREEMENT.

FOR FLOW CONTROL CHAMBERS SWMH1.19, SWMH1.24, SWMH17.9 & SWMH21.7 DETAIL REFER TO DRAWINGS 10768/1504 & 10768/1505.
FOR CATCHPIT CHAMBERS SWMH1.25 & SWMH17.10 DETAIL REFER TO DRAWINGS 10768/1507.

DESIGN NOTES

1.TO BE READ IN CONJUNCTION WITH DRAWING 10768/1140 SECTION 104 AGREEMENT PLAN.

2. DUCTILE IRON COVERS SHALL BE:
-ON ACCESS ROADS AND CAR PARKS: GRADE D400 (BS EN 124:1994)
-ON SHARED PATHWAYS, VERGES: GRADE A15 (BS EN 124:1994)

3. ALL ADOPTABLE ELEMENTS OF THE WORKS TO BE CONSTRUCTED AS DETAILED IN THE SECTOR GUIDANCE IN RELATION TO THE ADOPTION OF SEWERAGE ASSETS BY SEWERAGE COMPANIES IN ENGLAND AS ENABLED BY WATER UK'S CODE FOR ADOPTIONS.

Rev	Amendments	Date	Dsn	Chk
P9	Note in revision cloud added.	19/10/22	DT	MR
P8	SWMH17.9 Easting/Northing changed. Note in rev cloud added.	20/09/22	DT	MR
P7	Outfall manholes SWMH1.25 & SWMH17.10 changed to 1.8m internal dia catchpits & invert levels corrected	03/08/22	DT	MR
P6	FMH1.1, 1.2, 2.1-2.3, 3.1, 1.5-1.11, 4.1, 4.2, 5.1-5.9, 7.1, 7.3-7.7, 8.1-8.3, 10.1-10.3 invert levels amended to ICOSA Water comments. SWMH16.1 renamed to HWMH16.1.	10/05/22	DT	MR
P5	FMH1.16 renamed to FMH1.17.	03/05/22	DT	MR
P4	Schedules updated.	21/04/22	DT	MR
P3	FMH1.16 dimensions amended. SWMH1.25 cover level and manhole type amended.	29/03/22	DT	MR
P2	Schedules amended to suit updated drainage layout	18/03/22	DT	MR
P1	Initial Issue	28/02/22	DT	MR

Status: PRELIMINARY

Client: Taylor Wimpey

Architect:

Project: SEFTER ROAD BOGNOR REGIS

Title: ADOPTABLE MANHOLE SCHEDULES

Date: FEBRUARY 2022

Scale @ A1: NTS

Clients Ref.:

Project Ref.: 10768

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Drawing Number: 10768/1620

Rev.: P9

ARUN DISTRICT COUNCIL P/88/22/DOC