SW Manhole Schedule

MH REF	MANHOLE TYPE	MANHOLE SIZE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH (m)	D/S PIPE LENGTH (m)	D/S GRADIENT	PIPES IN			DEPTH IN BACKDROP	PIPES OUT		
									PIPE No	IL	DIAMETER		PIPE No	IL	DIAMETER
S1	B1/E	1500	D400	230.721	229.200	1.221	14.0	1:241.4					1.000	229.200	300
S2	B	1200	D400	231.115	229.142	1.673	33.4	1:240.3	1.000	229.142	300		1.001	229.142	300
S20	B1/E	1200	D400	232.117	230.650	1.242	36.4	1:164.7					2.000	230.650	225
S3	B	1500	D400	231.972	229.003	2.669	21.5	1:238.9	1.001	229.003	300	1.426	1.002	229.003	300
									2.000	230.429	225				
S4	B	1200	D400	231.755	228.913	2.542	51.0	1:239.4	1.002	228.913	300		1.003	228.913	300
S5	B	1500	D400	231.811	228.625	2.811	45.0	1:239.4	1.003	228.700	300		1.004	228.625	375
S6	B	1350	D400	231.443	228.362	2.631	46.8	1:50.0	1.004	228.437	375		1.005	228.362	450
S7	B1/E	1500	D400	229.146	227.351	1.270	24.2	1:35.0	1.005	227.426	450		1.006	227.351	525
S8	B1/E	1500	D400	228.481	226.660	1.296	84.0	1:51.6	1.006	226.660	525		1.007	226.660	525
S21	B1/E	1500	D400	231.824	230.300	1.299	18.0	1:165.1					3.000	230.300	225
S22	B	1200	D400	232.030	230.191	1.614	15.5	1:164.9	3.000	230.191	225		3.001	230.191	225
S23	B	1500	D400	232.190	230.097	1.868	16.3	1:164.6	3.001	230.097	225		3.002	230.097	225
S24	B	1500	D400	232.266	229.923	2.043	26.7	1:164.8	3.002	229.998	225		3.003	229.923	300
S29	B1/E	1500	D400	230.626	229.126	1.200	30.2	1:239.7					4.000	229.126	300
S30	B	1350	D400	231.423	228.850	2.123	22.5	1:239.4	4.000	229.000	300		4.001	228.850	450
S25	B	1500	D400	231.983	228.756	2.777	23.6	1:298.7	3.003	229.761	300	1.005	3.004	228.756	450
									4.001	228.756	450				
S26	B	1350	D400	231.465	228.677	2.338	54.3	1:76.7	3.004	228.677	450		3.005	228.677	450
S31	B1/E	1500	D400	231.195	229.695	1.200	54.3	1:34.5					5.000	229.695	300
S27	B	1500	D400	230.028	227.969	1.609	79.1	1:60.0	3.005	227.969	450		3.006	227.969	450
									5.000	228.120	300				
S28	B1/E	1350	D400	228.368	226.651	1.267	42.7	1:27.7	3.006	226.651	450		3.007	226.651	450
S9	B1/E	1500	D400	226.941	225.032	1.384	64.6	1:16.5	1.007	225.033	525		1.008	225.032	525
									3.007	225.107	450				
S10	B1/E	1500	D400	222.975	221.042	1.333	17.8	1:34.0	1.008	221.117	525		1.009	221.042	600
S11	B1/E	1500	D400	222.458	220.518	1.340	36.0	1:28.0	1.009	220.518	600		1.010	220.518	600
S12	B1/E	1500	D400	221.170	219.230	1.340	20.1	1:21.0	1.010	219.230	600		1.011	219.230	600
S13	B1/E	1500	D400	220.230	218.273	1.357	14.5	1:10.0	1.011	218.273	600		1.012	218.273	600
S14	B	1500	D400	219.083	216.823	1.660	90.0	1:14.6	1.012	216.823	600		1.013	216.823	600
S32	B1/E	1500	D400	215.118	213.650	1.243	17.2	1:30.0					6.000	213.650	225
S33	B	1200	D400	214.944	213.002	1.642	17.5	1:30.0	6.000	213.077	225		6.001	213.002	300
S34	B	1200	D400	214.302	212.418	1.584	22.0	1:15.1	6.001	212.418	300		6.002	212.418	300
S15	B	1500	D400	213.185	210.664	1.921	84.9	1:29.4	1.013	210.664	600		1.014	210.664	600
									6.002	210.964	300				
S36	B	1200	D400	227.914	225.573	2.116	17.3	1:14.6					7.000	225.573	225
S37	B	1200	D400	227.036	224.389	2.422	8.6	1:11.3	7.000	224.389	225		7.001	224.389	225
S38	B	1500	D400	226.353	223.628	2.500	6.8	1:14.1	7.001	223.628	225		7.002	223.628	225
S39	B	1500	D400	225.729	223.071	2.358	40.5	1:16.1	7.002	223.146	225		7.003	223.071	300
S55	B1/E	1500	D400	224.038	222.500	1.313	23.1	1:12.4					8.000	222.500	225
S40	B	1500	D400	222.741	220.486	1.880	42.4	1:16.3	7.003	220.561	300		7.004	220.486	375
									8.000	220.636	225				
S41	B	1500	D400	220.679	217.812	2.417	7.1	1:40.5	7.004	217.887	375		7.005	217.812	450
S42	B	1350	D400	220.434	217.638	2.346	7.8	1:67.6	7.005	217.638	450		7.006	217.638	450
S43	B	1350	D400	220.237	217.523	2.264	35.3	1:64.4	7.006	217.523	450		7.007	217.523	450
S56	B1/E	1500	D400	227.470	226.000	1.245	74.9	1:12.9					9.000	226.000	225
S57	B	1500	D400	222.121	220.125	1.696	45.0	1:21.8	9.000	220.200	225		9.001	220.125	300
S44	B	1500	D400	219.561	216.975	2.136	28.4	1:21.6	7.007	216.975	450	1.086	7.008	216.975	450
									9.001	218.061	300				
S58	B1/E	1500	D400	217.752	215.900	1.402	48.6	1:200.0					10.000	215.900	450
S45	B	1500	D400	218.974	215.582	2.867	38.8	1:235.4	7.008	215.657	450		7.009	215.582	525
									10.000	215.657	450				
S59	B1/E	1500	D400	220.483	218.900	1.358	40.0	1:20.0					11.000	218.900	225
S60	B1/E	1500	D400	218.406	216.900	1.281	14.0	1:70.0	11.000	216.900	225		11.001	216.900	225
S61	B1/E	1500	D400	217.419	215.697	1.272	41.6	1:202.9					12.000	215.697	450
S46	B	1500	D400	228.125	215.342	2.183	44.5	1:51.8	7.009	215.417	525	1.358	7.010	215.342	600
									11.001	216.700	225				
									12.000	215.492	450				
S62	B1/E	1500	D400	216.486	214.900	1.211	25.6	1:301.2					13.000	214.900	375
S63	B	1500	D400	217.025	214.740	1.835	32.2	1:300.9	13.000	214.815	375		13.001	214.740	450
S47	B	1800	D400	217.525	214.333	2.442	84.5	1:497.1	7.010	214.483	600		7.011	214.333	750
									13.001	214.633	450				
S48	A	1800	D400	218.039	214.163	3.126	18.0	1:500.0	7.011	214.163	750		7.012	214.163	750
S49	B	1800	D400	217.747	214.127	2.870	28.7	1:503.5	7.012	214.127	750		7.013	214.127	750
S64	B1/E	1200	D400	216.695	215.270	1.200	14.0	1:159.1					14.000	215.270	225
S66	B	1200	D400	217.509	215.375	1.909	12.0	1:62.2					15.000	215.375	225
S65	B	1500	D400	217.204	215.107	1.797	59.8	1:101.8	14.000	215.182	225		14.001	215.107	300
									15.000	215.182	225				
S50	B	1800	D400	217.096	214.070	2.276	30.9	1:55.4	7.013	214.070	750		7.014	214.070	750
									14.001	214.520	300				
S51	B1/E	1800	D400	215.512	213.512	1.250	19.3	1:17.8	7.014	213.512	750		7.015	213.512	750
S52	B1/E	1800	D400	214.429	212.429	1.250	29.0	1:18.1	7.015	212.429	750		7.016	212.429	750
S67	B1/E	1500	D400	219.080	217.600	1.255	63.8	1:15.5					16.000	217.600	225
S71	B1/E	1200	D400	215.903	214.450	1.228	12.5	1:49.8					17.000	214.450	225
S72	B1/E	1500	D400	215.624	214.199	1.200	10.2	1:48.1	17.000	214.199	225		17.001	214.199	225
S73	B1/E	1500	D400	215.449	213.912	1.237	24.3	1:44.2	17.001	213.987	225		17.002	213.912	300
S68	B1/E	1500	D400	214.899	213.287	1.237	11.1	1:23.7	16.000	213.474	225		16.001	213.287	375
									17.002	213.362	300				
S69	B1/E	1350	D400	214.431	212.819	1.237	11.7	1:26.4	16.001	212.819	375		16.002	212.819	375
S70	B1/E	1350	D400	213.987	212.375	1.237	26.3	1:23.5	16.002	212.375	375		16.003	212.375	375
S53	B1/E	1800	D400	213.002	210.830	1.422	30.5	1:41.8	7.016	210.830	750		7.017	210.830	750
									16.003	211.255	375				
S74	B1/E	1500	D400	212.469	211.000	1.244	35.0	1:93.5					18.000	211.000	225
S54	B1/E	1800	D400	212.200	210.100	1.350	12.2	1:5.1	7.017	210.100	750		7.018	210.100	750
									18.000	210.625	225				
S16	A	2400	D400	212.200	207.650	4.100	14.2	1:300.0	1.014	207.775	600		1.015	207.650	450
									7.018	207.700	750				
S17	A	1200	D400	212.200	207.603	4.147	28.9	1:10.0	1.015	207.603	450		1.016	207.603	450
S18	A	1200	D400	206.250	201.210	4.590	20.6	1:10.0	1.016	204.713	450	3.503	1.017	201.210	450
S19	A	1200	D400	200.500	195.550	4.500	25.5	1:10.0	1.017	199.150	450	3.600	1.018	195.550	450
OF	B	1200	D400	195.400					1.018	193.000	450				

FW Manhole Schedule Network 1

MH REF	MANHOLE TYPE	MANHOLE SIZE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH (m)	D/S PIPE LENGTH (m)	D/S GRADIENT	PIPES IN			DEPTH IN BACKDROP	PIPES OUT		
									PIPE No	IL	DIAMETER		PIPE No	IL	DIAMETER
F1	B	1200	D400	230.670	228.750	1.770	12.7	1:80.0					1.000	228.750	150
F2	B	1350	D400	231.030	228.591	2.289	39.0	1:80.0	1.000	228.591	150		1.001	228.591	150
F3	A	1200	D400	232.035	228.104	3.781	20.5	1:120.0	1.001	228.104	150		1.002	228.104	150
F4	A	1200	D400	231.823	227.933	3.740	51.0	1:120.0	1.002	227.933	150		1.003	227.933	150
F5	A	1350	D400	231.850	227.508	4.192	49.0	1:120.0	1.003	227.508	150		1.004	227.508	150
F6	A	1200	D400	231.427	227.100	4.177	42.5	1:120.0	1.004	227.100	150		1.005	227.100	150
F7	B	1350	D400	229.304	226.745	2.409	23.3	1:39.6	1.005	226.745	150		1.006	226.745	150
F8	B	1200	D400	228.554	226.156	2.248	83.4	1:49.3	1.006	226.156	150		1.007	226.156	150
F22	B	1350	D400	232.225	229.400	2.675	22.5	1:20.6					2.000	229.400	150
F23	A	1200	D400	231.992	228.306	3.536	23.9	1:80.0	2.000	228.306	150		2.001	228.306	150
F24	A	1200	D400	231.495	228.007	3.338	52.2	1:97.2	2.001	228.007	150		2.002	228.007	150
F27	B	1350	D400	230.538	228.450	1.938	26.0	1:26.5					3.000	228.450	150
F25	B	1350	D400	230.106	227.470	2.486	79.5	1:58.7	2.002	227.470	150		2.003	227.470	150
									3.000	227.470	150				
F26	B	1200	D400	228.459	226.115	2.194	41.8	1:25.4	2.003	226.115	150		2.004	226.115	150
F9	B	1350	D400	227.080	224.466	2.464	60.9	1:15.8	1.007	224.466	150		1.008	224.466	150
									2.004	224.466	150				
F10	B	1200	D400	223.444	220.625	2.669	77.3	1:18.7	1.008	220.625	150		1.009	220.625	150
F11	B	1200	D400	218.629	216.481	1.998	16.4	1:15.7	1.009	216.481	150		1.010	216.481	150
F28	B	1350	D400	228.063	225.023	2.890	21.9	1:15.5					4.000	225.023	150
F29	A	1200	D400	226.919	223.613	3.156	7.8	1:14.4	4.000	223.613	150		4.001	223.613	150
F30	A	1200	D400	226.368	223.073	3.145	7.7	1:14.0	4.001	223.073	150		4.002	223.073	150
F31	A	1200	D400	225.772	222.524	3.098	43.3	1:15.9	4.002	222.524	150		4.003	222.524	150
F32	B	1350	D400	222.696	219.807	2.739	39.2	1:15.5	4.003	219.807	150		4.004	219.807	150
F33	A	1350	D400	220.771	217.275	3.346	6.8	1:34.1	4.004	217.275	150		4.005	217.275	150
F34	A	1200	D400	220.488	217.075	3.263	8.8	1:64.9	4.005	217.075	150		4.006	217.075	150
F35	A	1350	D400	220.241	216.940	3.151	33.4	1:58.7	4.006	216.940	150		4.007	216.940	150
F38	B	1350	D400	221.796	219.521	2.125	37.7	1:21.6					5.000	219.521	150
F36	A	1350	D400	219.614	216.370	3.094	24.7	1:17.6	4.007	216.370	150	1.404	4.008	216.370	150
									5.000	217.774	150				
F39	B	1200	D400	218.049	215.600	2.299	40.9	1:64.2					6.000	215.600	150
F37	A	1350	D400	219.087	214.964	3.973	37.9	1:124.3	4.008	214.964	150		4.009	214.964	150
									6.000	214.964	150				
F40	B	1200	D400	217.610	215.185	2.275	37.2	1:70.7					7.000	215.185	150
F12	A	1500	D400	218.261	214.659	3.452	45.5	1:45.6	1.010	215.435	150	0.776	1.011	214.659	150
									4.009	214.659	150				
									7.000	214.659	150				
F41	B	1200	D400	217.114	214.200	2.764	27.0	1:50.1					8.000	214.200	150
F13	A	1500	D400	217.613	213.661	3.802	88.0	1:120.0	1.011	213.661	150		1.012	213.661	150
									8.000	213.661	150				
F14	A	1200	D400	218.077	212.928	4.999	11.2	1:120.0	1.012	212.928	150		1.013	212.928	150
F15	A	1350	D400	217.869	212.834	4.885	28.1	1:120.0	1.013	212.834	150		1.014	212.834	150
F42	B1/E	1200	D400	216.707	215.350	1.207	13.8	1:79.8					9.000	215.350	150
F16	A	1500	D400	217.264	212.600	4.514	61.1	1:120.0	1.014	212.600	150	2.577	1.015	212.600	150
									9.000	215.177	150				
F17	A	1200	D400	217.359	212.091	5.118	43.0	1:120.0	1.015	212.091	150		1.016	212.091	150
F18	A	1350	D400	217.275	211.733	5.392	39.9	1:119.0	1.016	211.733	150		1.017	211.733	150
F19	A	1200	D400	214.789	211.398	3.241	80.0	1:17.5	1.017	211.398	150		1.018	211.398	150
F20	B	1200	D400	208.079	205.465	2.464	49.2	1:10.9	1.018	206.820	150	1.355	1.019	205.465	150
F21	B	1350	D400	202.716					1.019	200.965	150				

FW Manhole Schedule Network 2

MH REF	MANHOLE TYPE	MANHOLE SIZE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH (m)	D/S PIPE LENGTH (m)	D/S GRADIENT	PIPES IN			DEPTH IN BACKDROP	PIPES OUT		
									PIPE No	IL	DIAMETER		PIPE No	IL	DIAMETER
F1	B	1200	D400	215.177	213.100	1.927	19.0	1:27.1					1.000	213.100	150
F2	B	1200	D400	214.901	212.400	2.351	15.3	1:30.6	1.000	212.400	150		1.001	212.400	150
F3	B	1200	D400	214.269	211.900	2.219	18.8	1:111.1	1.001	211.900	150		1.002	211.900	150
F10	B	1200	D400	216.168	213.700	2.318	50.5	1:14.4					2.000	213.700	150
F4	B	1350	D400	212.908	210.200	2.558	47.0	1:119.9	1.002	210.200	150		1.003	210.200	150
									2.000	210.200	150				
F5	B	1350	D400	212.493	209.808	2.535	25.4	1:120.0	1.003	209.808	150		1.004	209.808	150
F6	B	1350	D400	212.236	209.596	2.490	23.3	1:120.0	1.004	209.596	150		1.005	209.596	150
F11	B	1350	D400	219.580	217.400	2.030	68.6	1:15.1					3.000	217.400	150
F16	B	1200	D400	215.877	213.950	1.777	12.2	1:48.6					4.000	213.950	150
F17	B	1200	D400	215.645	213.699	1.796	10.3	1:35.9	4.000	213.699	150		4.001	213.699	150
F18	B	1200	D400	215.459	213.412	1.897	19.6	1:35.6	4.001	213.412	150		4.002	213.412	150
F12	B	1350	D400	215.059	212.862	2.047	9.2	1:19.7	3.000	212.862	150		3.001	212.862	150
									4.002	212.862	150				
F13	B	1350	D400	214.639	212.394	2.095	19.3	1:30.0	3.001	212.394	150		3.002	212.394	150
F14	B	1200	D400	213.952	211.750	2.052	19.5	1:15.3	3.002	211.750	150		3.003	211.750	150
F15	B	1350	D400	213.259	210.475	2.634	18.2	1:17.0	3.003	210.475	150		3.004	210.475	150
F7	B	1350	D400	212.551	209.402	2.999	6.4	1:80.0	1.005	209.402	150		1.006	209.402	150
									3.004	209.402	150				
F8	A	1350	D400	212.500	209.322	3.028	4.5	1:80.6	1.006	209.322	150		1.007	209.322	150
F9	B	1200	D400	212.200	209.266	2.784			1.007	209.266	150				

Culvert Diversion Manhole Schedule

MH REF	MANHOLE TYPE	MANHOLE SIZE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH (m)	D/S PIPE LENGTH (m)	D/S GRADIENT	PIPES IN			DEPTH IN BACKDROP	PIPES OUT		
									PIPE No	IL	DIAMETER		PIPE No	IL	DIAMETER
S1-1	B1/E	1350	D400	229.310	228.350	0.510	18.4	1:14.9					1.000	228.350	450
S1-2	B1/E	1350	D400	228.466	227.116	0.900	19.2	1:38.4	1.000	227.116	450		1.001	227.116	450
S1-3	B1/E	1350	D400	227.927	226.616	0.861	16.2	1:73.9	1.001	226.616	450		1.002	226.616	450
S1-4	B1/E	1350	D400	228.078	226.397	1.231	21.9	1:15.6	1.002	226.397	450		1.003	226.397	450
S1-5	B	1350	D400	226.971	224.991	1.530	6.3	1:10.8	1.003	224.991	450		1.004	224.991	450
S1-6	B	1350	D400	226.513	224.408	1.655	7.4	1:12.0	1.004	224.408	450		1.005	224.408	450
S1-7	B	1350	D400	225.897	223.792	1.655	85.8	1:16.5	1.005	223.792	450		1.006	223.792	450
S1-8	B	1350	D400	220.664	218.587	1.627	7.4	1:63.8	1.006	218.587	450		1.007	218.587	450
S1-9	B	1350	D400	220.403	218.471	1.482	6.3	1:63.8	1.007	218.471	450		1.008	218.471	450
S1-10	B1/E	1350	D400	220.246	218.372	1.424	57.9	1:63.3	1.008	218.372	450		1.009	218.372	450
S1-11	B1/E	1350	D400	219.107	217.457	1.200	55.0	1:56.6	1.009	217.457	450		1.010	217.457	450
S1-12	PPIC	1350	D400	217.686					1.010	216.485	450				

Health and Safety Notes/CDM Regulations 2015

In line with the above regulations we are obliged to inform the Contractor of the abnormal risks that may be encountered in the construction of these works. As part of the design process all the salient health & safety aspects are given full consideration and these are observed within the designs viewed on this document. Although considerable effort is undertaken to eliminate risks, the very nature of the project gives rise to some hazards and risks.

Significant risks that cannot be eliminated by design and could not be foreseen by a competent contractor are noted in the risk assessment boxes on the drawings.

Rev	Description	By	Date

Client:

Barratt Yorkshire West

Project Title:

Well House Lane,
Penistone

Drawing Title:

Manhole Schedules

Scale	Date
1:500 @ A1	01.07.21

Drawing No	Revision	Status
4619-C-D1-05	0	Approval

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