SURFACE WATER MANHOLE SCHEDULE

MANHOLE NAME	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH (m)	SIZE (mm∅)	PIPE IN DIAMETER (mm)	PIPE IN LENGTH (m)	PIPE IN INVERT LEVEL (m)	PIPE OUT DIAMETER (mm)	PIPE OUT LENGTH (m)	PIPE OUT INVERT LEVEL (m)
SW1	58.502	56.860	1.642	3000	225 150	2.893 1.761	57.375 57.375	750 750	18.104 18.104	56.860 56.860
SW2	58.440	56.818	1.622	3000	750 750 150	18.104 18.104 6.422	56.818 56.818 57.568	750 750	41.759 41.759	56.818 56.818
SW3	59.670	56.640	3.030	3000	750 750 750 750 150	41.195 41.195 20.707 20.707 10.742	56.640 56.640 56.640 56.640 57.240	750 750	16.852 16.852	56.640 56.640
SW4	59.845	56.556	3.289	3000	750 750 750	10.308 10.308 2.812	56.556 56.556 56.556	450	4.288	56.556
SW6	58.812	56.728	2.084	3000	750 750 300 150 225	41.759 41.759 26.872 5.820 7.226	56.728 56.728 57.178 57.328 57.253	750 750	41.195 41.195	56.728 56.728
SW8	59.310	56.691	2.619	3000	225 150 150	5.909 61.212 61.455	57.216 57.216 57.216	750 750	20.707 20.707	56.691 56.691
SW9	59.977	56.582	3.395	3000	750 750 225	6.178 6.178 7.804	56.582 56.582 57.107	750 750	10.308 10.308	56.582 56.582
SW10	60.063	56.600	3.463	3000	750 750 150 150	16.852 16.852 7.013 64.736	56.600 56.600 57.630 57.630	750 750	6.178 6.178	56.600 56.600
SW11	59,562	57.744	1.818	1200	150	32.834	57.744	150	0.669	57.744
SW12	59.785	56.570	3.215	2100	750	1.437	56.570	750	2.812	56.570
SW13	58.767	57.294	1.474	1200	300 225 150	6.101 5.200 1.619	57.294 57.294 57.294	300	26.872	57.294
SW15	58.407	57.532	0.875	1200	150 150	3.221 6.339	57.607 57.607	225	20.527	57.532
SW17	58.783	57.324	1.459	600	225 150	39.468 1.382	57.324 57.324	225	5.200	57.324
SW20	58.824	57.524	1.300	600	150 225	10.008 22.924	57.524 57.524	225	39.468	57.524
SW21	58.782	57.941	0.841	600				150	10.008	57.941
SW25	59.995	57.782	2.213	600	225	4.837	57.782	225	22.924	57.782
SW26	60.000	57.814	2.186	600	225	9.250	57.814	225	4.837	57.814
SW27	59.990	57.872	2.118	600	150 225	10.370 18.896	57.947 57.872	225	9.250	57.872
SW28	59.931	58.488	1.443	600	150	28.021	58.488	150	10.370	58.488
SW29	59.977	58.846	1.132	600	150	3.917	58.846	150	28.021	58.846
SW30	59.977	58.902	1.075	600	150 150	10.822 8.481	58.902 58.902	150	3.917	58.902
SW32	59.929	58.269	1.660	600	225	3.072	58.269	225	18.073	58.269
SW34	59.895	57.793	2.102	600	150 150	17.469 16.708	58.239 58.239	225	7.804	57.793
SW35	59.931	58.427	1.505	600				150	17.469	58.420
SW36	59.513	57.715	1.798	600	150	32.301	57.715	150	10.742	57.715
SW37	58.875	58.044	0.831	600				150	32.301	58.044
SW38	58.815	57.379	1.436	600	150	33.033	57.379	150	5.820	57.379
SW39	58.574	57.691	0.883	600				150	33.033	57.691
SW40	59.983	57.989	1.994	600	225	18.300	57.989	225	18.896	57.989
SW41	59.905	58.098	1.807	600	225	9.782	58.098	225	18.300	58.098
SW42	59.907	58.159	1.748	600	225	18.073	58.159	225	9.782	58.159
SW43	58.436	57.733	0.702	1200				225	78.781	57.733
SW46	59.220	57.263	1.957	1200	225	78.781	57.263	225	5.909	57.263
SW48	59.404	58.150	1.254	1200				150	32.834	58.150
SW61	59.982	58.618	1.364	450	150	11.448	58.618	150	2.999	58.618
SW62	59.982	58.860	1.122	450	150	11.206	58.860	150	2.726	58.860
SW64	59.982	58.665	1.317	450	150	9.692	58.665	150	2.791	58.665
SW66	60.000	59.271	0.729	600	150 150	3.993 4.267	59.271 59.271	150	5.165	59.271
SW68	58,800	57.654	1.146	450	150	2.017	57.654	150	7.714	57.654
SW69	58.644	57.339	1.305	600	150 150	10.827 8.461	57.339 57.339	150	3.136	57.339
SW70	59.981	58.860	1.121	450	150	11.414	58.860	150	3.080	58.860
SW71	59.968	58.344	1.624	450	150	9.166	58.419	225	3.072	58.344
SW72	58.791	57.498	1.293	450	150	6.820	57.498	150	1.619	57.498
SW73	58.791	57.473	1.318	450	150	7.223	57.473	150	1.382	57.473
SW74	59.982	58.458	1.524	450	150	11.448	58.588	150	2.814	58.588
SW76	58.791	57.473	1.318	450	150	7.591	57.473	150	1.648	57.473
SW78	58.575	57.516	1.059	600	150	12.428	57.516	150	4.586	57.516
SW79	58.568	57.655	0.913	600	150	10.629	57.655	150	6.339	57.655
SW80	58.562	57.777	0.785	100				150	21.062	57.777
SW81	58.681	57.728	0.953	100				150	10.629	57.728

SURFACE WATER MANHOLE SCHEDULE

MANHOLE NAME	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH (m)	SIZE (mm∅)	PIPE IN DIAMETER (mm)	PIPE IN LENGTH (m)	PIPE IN INVERT LEVEL (m)	PIPE OUT DIAMETER (mm)	PIPE OUT LENGTH (m)	PIPE OUT INVERT LEVEL (m)
SW82	58.367	57.742	0.625	100				150	23.635	57.742
SW83	58.497	57.601	0.896	100				150	12.428	57.601
SW84	59.720	58.650	1.070	150				150	16.708	58.650
SW85	58.478	57.878	0.600	600				225	51.478	57.878
SW86	59.013	57.355	1.658	600	225 150	51.478 33.746	57.618 57.618	225	7.226	57.618
SW87	59.315	58.625	0.690	450				150	33.746	58.625
SW88	59.767	58.450	1.317	450				150	13.833	58.450
SW89	59.492	58.126	1.366	450	150 150	13.833 9.385	58.355 58.634	150	7.013	58.355
SW90	59.494	58.534	0.961	450				150	9.385	58.700
SW91	58.582	57.850	0.732	450				150	13.797	57.850
SW92	58.573	57.706	0.867	600	150	13.797	57.706	150	4.969	57.706
SW93	58.364	57.635	0.729	600	150	21.062	57.635	150	3.221	57.635
SW95	58.544	57.404	1.140	1200	225 150 150	20.527 3.923 4.586	57.404 57.479 57.479	225	2.893	57.404

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
2. THIS DRAWING SHOULD NOT BE SCALED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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DRAWING NOTES

1. THE FOLLOWING ASSUMPTIONS HAVE BEEN MADE TO SET THE DEPTH OF FOUL WATER DRAINS AND RWPS AT THIS STAGE. DEPTH OF ALL RUNS AND NUMBER OF ICs SUBJECT TO FURTHER DESIGN DEVELOPMENT ONCE SUBSTRUCTURE STRATEGY IS CONFIRMED AND POSITION, NUMBER AND FLOW RATE OF POP UPS IS CONFIRMED.
   - 1.1. TOWNHOUSES - FOUL WATER DRAINAGE PASSES BENEATH 900mm DEEP STRIP FOUNDATIONS AT PERIMETER OF PLOTS. 1:40 GRADIENT FOR SUB-STRUCTURE FOUL DRAINAGE. RWPs ARE EXTERNAL.
   - 1.2. EXTRA CARE & APARTMENTS - DEPTH BETWEEN FFL AND BOTTOM OF SUSPENDED SLAB IS 675mm. FOUL WATER DRAINAGE & RWPs PENETRATE SUSPENDED SLAB WITH 150mm BEND AND PASSES ABOVE/CASTS THROUGH GROUND BEAMS WHERE REQUIRED. 1:40 GRADIENT FOR SUB-STRUCTURE DRAINAGE
   - 1.3. ALLOW FOR PENETRATIONS THROUGH PERIMETER FOUNDATIONS WITH A ROCKER PIPE EITHER SIDE AT THIS STAGE FOR COSTING.
   - 1.4. DRAINAGE RUNS MAY BE DEEPER THAN THE ABOVE PARAMETERS IN SOME AREAS TO RESOLVE CLASHES BETWEEN FOUL WATER AND SURFACE WATER.
2. LEVELS SHOWN FOR HEADS OF DRAINS FROM SVPS/SS ARE SUBJECT TO COORDINATION WITH M&E AND STRUCTURAL ENGINEERS.
3. SW1 - SW10 AND FW3-FW8 AND FW21 TO ADOPTED SEPARATE S104 AND S106 AGREEMENTS
4. THE INDICATED LEVEL INFORMATION OF EXISTING SEWERS ASSETS IS BASED ON CURRENT AVAILABLE INFORMATION AND SHOULD BE CONFIRMED ON SITE BY CONTRACTOR AND REPORTED TO ENGINEER

DATE	REV	DESCRIPTION	DRAWN	CHKD
31.07.26	P04	ISSUED FOR INFORMATION	ZA	JDL
18.06.26	P03	DRAFT STAGE 4A ISSUE	ZA	JDL
24.04.26	P02	UPDATED FOR COMMENTS	TPR	JDL
24.03.26	P01	STAGE 3 ISSUE	ZA	JDL

PROJECT
BROTHERTON HOUSE

TITLE
MANHOLE SCHEDULE
SHEET 1 OF 2

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CE PROJECT No.	SCALE @ A0	DATE CREATED	DRAWN	CHECKED
3323-02	--	MAR 26	ZA	JDL

DRAWING STATUS: STAGE 4A
STATUS CODE: -
DRAWING No.: 18704-CIV-XX-XX-D-C-30010
REV: P04

FILE LOCATION PATH: P:\PROJECTS HOT\3323-02 MUSE - WYTHENSHAWE - PLOTS C2 AND 3.3\004 BIM\CIVILS\DRAWINGS\BROTHERTON\18704-CIV-XX-XX-D-C-30010_MANHOLE SCHEDULE.DWG