SURFACE WATER MANHOLES

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams	Manhole Size	Types: Manhole	Types: Cover
SW01	60.500 / 1.460		1 RWP 2 RWP 0 1.000	58.940 58.890 58.815	100 150 225	1350	CATCHPIT	1200x675 D400
E. 382836.120 N. 386978.301								
SW02	60.500 / 1.015		1 RG 2 SW02a PPIC 0 2.000	59.335 59.335 59.335	150 150 150	1350	CATCHPIT	1200x675 D400
E. 382827.460 N. 386984.506								
SW03	60.500 / 1.000		1 RWP 2 RWP 0 3.000	59.400 59.350 59.350	100 150 150	1350	CATCHPIT	1200x675 D400
E. 382831.609 N. 386972.382								
SW04	60.500 / 1.285		1 RWP 2 RG 0 4.000	59.065 59.065 59.065	150 150 150	1350	CATCHPIT	1200x675 D400
E. 382816.198 N. 386973.703								
SW05	60.500 / 1.205		1 RWP 2 RWP 0 5.000	59.145 59.195 59.145	150 100 150	600	PPIC	D400
E. 382806.963 N. 386984.897								
SW06	60.500 / 1.500		1 1.000 2 5.000 0 1.001	58.775 58.850 58.775	225 150 225	1200	C	600x600 D400
E. 382813.716 N. 386983.332								
SW07	60.500 / 1.525		1 RWP 2 RG 0 6.000	58.875 58.825 58.825	100 150 150	600	PPIC	D400
E. 382816.194 N. 386990.116								
SW08	60.350 / 1.615		1 1.001 2 SW09 0 1.002	58.510 58.585 58.585	225 150 150	1500 FLOW CONTROL CHAMBER	B	600x600 D400
E. 382819.628 N. 387008.914								
SW09	60.350 / 1.530		1 ACO 0 7.000	58.720 58.670	100 150	600	PPIC	D400
E. 382816.914 N. 387009.519								
SW10	60.250 / 1.825		1 1.002 0 1.003	58.275 58.200	150 225	1200	B	600x600 B125
E. 382821.470 N. 387017.004								
SW11	60.250 / 2.025		1 1.002 2 PIPE STUB 0 1.003	58.000 58.075 58.075	225 150 150	1200	B	600x600 B125
E. 382821.470 N. 387017.004								

FOUL WATER MANHOLES

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams	Manhole Size	Types: Manhole	Types: Cover
FW02	60.500 / 1.350		1 FW01 PPIC 2 SVP 3 SVP 0 1.000	59.000 59.050 59.050 59.000	150 100 100 150	1350	C	1200x675 D400
E. 382839.354 N. 386971.915								
FW05	60.500 / 1.810		1 1.003 0 1.004	58.690 58.690	150 150	1200	B	600x600 D400
E. 382820.513 N. 386976.364								
FW09	60.500 / 1.760		1 1.004 2 FW08 PPIC 0 1.005	58.590 58.590 58.590	150 150 150	1200	B	600x600 D400
E. 382811.027 N. 386978.604								
FW13	60.500 / 1.870		1 1.006 2 4.000 3 FW12 PPIC 0 1.007	58.480 58.480 58.480 58.405	150 150 150 225	1200	B	600x600 D400
E. 382813.550 N. 386989.514								
FW20	60.330 / 1.850		1 1.007 2 FW18 PPIC 3 3.002 0 1.008	58.255 58.330 58.330 58.255	225 150 150 225	1200	B	600x600 D400
E. 382818.565 N. 387011.204								
FW23	60.500 / 1.350		1 FW22 PPIC 0 2.000	59.000 59.000	150 150	1350	C	1200x675 B125
E. 382853.485 N. 386969.484								
FW25	60.500 / 1.700		1 2.000 0 2.001	58.650 58.650	150 150	1200	B	600x600 B125
E. 382848.865 N. 386949.505								
FW29	60.500 / 2.043		1 2.001 0 2.002	58.307 58.307	150 150	1200	B	600x600 B125
E. 382817.183 N. 386956.831								
FW34	60.330 / 2.880		1 2.002 2 FW33 PPIC 0 2.003	57.300 BD 58.500 57.300	150 150 150	1200	B	600x600 B125
E. 382789.412 N. 386963.253								
FW36	60.500 / 1.600		1 FW35 PPIC 2 SS 3 SVP 0 3.000	58.750 58.800 58.800 58.750	150 100 100 150	1200	B	600x600 B125
E. 382790.986 N. 386981.135								
FW40	60.350 / 1.675		1 3.000 0 3.001	58.525 58.525	150 150	1200	B	600x600 B125
E. 382798.672 N. 387013.704								
FW41	60.350 / 1.820		1 3.000 0 3.001	58.380 58.380	150 150	1200	B	600x600 B125
E. 382813.899 N. 387010.490								
FW42	60.250 / 1.855		1 1.008 0 1.009	58.170 58.170	225 225	1200	B	600x600 B125
E. 382820.502 N. 387019.597								

FOUL WATER MANHOLES

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams	Manhole Size	Types: Manhole	Types: Cover
FW02a	60.500 / 1.485		1 1.000 0 1.001	58.865 58.865	150 150	1350	C	1200x675 D400
E. 382829.368 N. 386974.273								
FW04	60.500 / 1.525		1 1.001 2 FW03 PPIC 0 1.002	58.825 58.825 58.825	150 150 150	1200	B	600x600 D400
E. 382828.589 N. 386970.323								
FW06	60.500 / 1.615		1 1.002 2 FW08 PPIC 0 1.002	58.735 58.735 58.735	150 150 150	1200	B	600x600 D400
E. 382819.775 N. 386972.189								
FW12a	60.500 / 1.450		1 FLOOR GULLY 2 FW11a PPIC 0 4.000	58.950 58.900 58.900	100 150 150	1200	C	1200x675 D400
E. 382829.552 N. 386986.635								

COMBINED WATER MANHOLES

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams	Manhole Size	Types: Manhole	Types: Cover
CW01	60.250 / 2.215		1 1.005 (FOUL) 2 1.004 (SURFACE) 0 1.000	57.810 57.735 57.810	225 150 225	1200	B	600x600 B125
E. 382802.060 N. 387023.794								
CW02	60.300 / 2.680		1 EXISTING 2 1.000 COMBINED 0 1.000	57.020 (TBC) BD:57.860 57.020 (TBC)	600 225 600	1800	B	600x600 B125
E. 382799.590 N. 387025.196								

PRELIMINARY SUBJECT TO CONFIRMATION OF LANDSCAPE ARCHITECTS PROPOSED SITE LEVELS AND ALL FOUL WATER POP UP AND RAINWATER DOWNPIPE LOCATIONS AND FLOW RATES

ALL DRAINAGE IS PRELIMINARY & SUBJECT TO SECTION 104 AGREEMENT WITH UNITED UTILITIES AND SHALL NOT BE CONSTRUCTED UNTIL WRITTEN APPROVAL HAS BEEN OBTAINED.

NOTE: ALL FOUL WATER POP-UP BRANCHES ARE ASSUMED TO BE 100mmØ. THIS IS TO BE CONFIRMED BY OTHERS.

NOTE: ALL FOUL WATER PPIC's HAVE BEEN EXCLUDED FROM THE MANHOLE SCHEDULES BELOW. THESE WILL BE ADDED ONCE PROPOSED FOUL POP-UP LOCATIONS HAVE BEEN CONFIRMED AND DETAILED DRAINAGE DESIGN COMPLETED

GENERAL NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DESIGN & CONSTRUCTION GUIDANCE & UNITED UTILITIES CONSTRUCTION GUIDANCE.
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. ALL METERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
11. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

14. ALL HIGHWAY GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
15. ALL PRIVATE GULLY CONNECTIONS TO BE 100mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
16. MINIMUM COVER TO DRAINAGE SOFFIT LEVEL & ACCESS CHAMBERS ;

LANDSCAPING	TRAFFICKED AREAS	HIGHWAYS
0.600m	0.900m	1.200m

17. CLASS 'S' BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.
18. WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 'Z' BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED.
19. FOUNDATIONS WITHIN CLOSE PROXIMITY TO PROPOSED DRAINAGE WILL NEED TO BE AT THE SAME DEPTH AS DRAINAGE TO AVOID THE POTENTIAL FOR UNDERMINING.
20. TOP OF FOUNDATIONS ARE TO BE A MIN 750mm FROM FINISHED EXTERNAL LEVELS.
21. ALL SURFACE / FOUL WATER CONNECTIONS ARE TO HAVE RODDABLE ACCESS FROM ABOVE GROUND
22. ALL POP-UP AND RWP SETTING OUT IS TO BE PROVIDED BY THE ARCHITECT
23. FINAL POP UP LOCATIONS SUBJECT TO ARCHITECT / M&E CO-ORDINATION

REV	DATE	DESCRIPTION	BY	CHK	APP
P03	15.07.2026	STAGE 4 ISSUE	JC	JRS	KOB
P02	09.02.2026	DRAWING AMENDED FOLLOWING RIBA STAGE 3 ISSUE & REVIEW	JLJ	JRS	KOB
P01	30.01.2026	RIBA STAGE 3 ISSUE	JLJ	JRS	KOB

DRAWING STATUS: **STAGE 4**

CLIENT: WYTHENSHAWE COMMUNITY HOUSING GROUP AND MUSE PLACES

ARCHITECT: BOWKER SADLER

PROJECT: ALPHA HOUSE, WYTHENSHAWE

TITLE: BELOW GROUND DRAINAGE MANHOLE SCHEDULE

STATUS:	PROJECT No.	PROJECT	ORIGIN	FUNCT.	SPACIAL	FORM	DISC.	DRAWING No.	REV:
S3	224-126	18703 - AJP- XX - ZZ - D - C - 001014							P03

SCALE @ A0:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
N.T.S	JLJ	JLJ	JRS	KOB	JAN 2026

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