

## SURFACE WATER MANHOLE SCHEDULE

**GENERAL NOTES:**

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3. SETTING OUT FOR BUILDINGS IS TO BE TO ARCHITECTS SPECIFICATION. SETTING OUT OF HIGHWAYS AND EXTERNAL WORKS IS TO BE TO CANHAM CONSULTING LTD'S SPECIFICATION.
4. ANY DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER, AND THAT PROVIDED BY OTHERS, MUST BE REFERRED TO THE ENGINEER BEFORE THE AFFECTED WORKS PROCEED.
5. DIMENSIONS MUST NOT BE SCALED FROM THE ENGINEER'S DRAWINGS.
6. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
7. THE CONTRACTOR IS TO ENSURE THE STABILITY OF EACH ELEMENT AND THE STABILITY OF THE OVERALL CONSTRUCTION UNTIL THE WORKS ARE COMPLETE.
8. ALL DESIGNS, CONNECTIONS, WORKMANSHIP AND MATERIAL ARE TO COMPLY WITH THE CURRENT BUILDING REGULATIONS AND THE LATEST RELEVANT BRITISH STANDARD SPECIFICATION AND CODES OF PRACTICE OR OTHERWISE BE TO THE SPECIFIC WRITTEN APPROVAL OF THE ENGINEER.
9. INSPECTIONS MADE BY THE LOCAL AUTHORITY, SHALL BE ARRANGED BY THE CONTRACTOR TO SUIT HIS PROGRAMME. ANY COST ARISING OUT OF FAILING TO CARRY OUT THE WORK TO THE SATISFACTION OF THE LOCAL AUTHORITY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. THE CONTRACTOR MUST MAKE HIMSELF AWARE OF THE EXISTING UTILITIES / SERVICES LOCATED WITHIN AND ADJACENT TO THE SITE. **NO EXCAVATIONS ARE TO BE UNDERTAKEN UNTIL THE UTILITY COMPANIES HAVE BEEN INFORMED / CO-ORDINATED WITH: DIAL-BEFORE-YOU-DIG ADVICE IS FOLLOWED AND THE AREA IS CAT SCANNED. ALL UTILITY COMPANY GUIDELINES AND HEALTH & SAFETY PROCEDURES MUST BE STRICTLY FOLLOWED.**
11. FOR SIZE AND LOCATION OF ALL SERVICES REFER TO THE SERVICE ENGINEER'S AND ARCHITECT'S DRAWINGS.
12. THE TOPOGRAPHICAL INFORMATION REPRODUCED ON THIS DRAWING IS SHOWN FOR CO-ORDINATION AND DESIGN PURPOSES ONLY AND TAKEN FROM THE TERRAIN SURVEYS LTD DRAWING TS18-448X1, DATED NOVEMBER 2018. LIABILITY FOR THIS INFORMATION REMAINS WITH TERRAIN SURVEYS LTD. CANHAM CONSULTING LTD CANNOT ACCEPT ANY LIABILITY FOR THE CONTENT AND ACCURACY OF THE TOPOGRAPHIC SURVEY.
13. THE PROPOSED SITE LAYOUT SHOWN ON THIS DRAWING IS BASED UPON THE CONDY LOFTHOUSE ARCHITECTS DRAWING 17-132-130 REV P5, DATED 15th DECEMBER 2020 AND DEACON DESIGN LTD DRAWING DD411XR02\_WORKING DRAWING, RECEIVED 22nd JANUARY 2021.

**PRIVATE DRAINAGE NOTES:**

1. EACH DWELLING TO HAVE AT LEAST ONE SOIL VENT PIPE (SVP).
2. ANY DRAIN BRANCH CONNECTED TO A W.C. WITH NO SVP IS TO BE FITTED WITH A DURGO VALVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL PIPES BELOW GROUND TO BE 100mm DIAMETER (UNLESS NOTED OTHERWISE).
4. ALL FOUL DRAINS BELOW FLOOR SLABS TO BE 100mm DIAMETER AND LAID AT MINIMUM GRADIENT OF 1:40 (UNLESS NOTED OTHERWISE).
5. ALL MATERIALS, WORKMANSHIP, ETC. TO BE IN ACCORDANCE WITH BS EN 752, BS EN 1610, AND APPLICABLE SECTIONS OF APPROVED DOCUMENT H OF THE BUILDING REGULATIONS.
6. INSPECTION CHAMBERS TO BE WAVIN 300, 450 OR 600 IC RANGE, OR SIMILAR APPROVED.
7. BACKDROP CONNECTIONS TO BE MADE WITH WAVIN BACKDROP KIT NE950 OR NE960 (OR SIMILAR APPROVED) AND TO BE INSTALLED IN LINE WITH MANUFACTURER'S GUIDANCE.
8. PRIVATE CONNECTIONS TO THE ADOPTABLE SEWERS TO BE LAID SOFFIT TO SOFFIT. NO PLASTIC PIPES ARE TO BE CONNECTED TO ADOPTABLE MANHOLES. ALL CONNECTIONS TO THE PUBLIC SEWER MUST BE CONSTRUCTED IN VITRIFIED CLAY PIPES.
9. SOIL VENT PIPES, STUB STACKS & GULLY LOCATIONS ARE AS PER CONDY LOFTHOUSE ARCHITECTS, DRAWING 17-132-130-P4, RECEIVED 19.11.2020.
10. THE LOCATION, NUMBER AND SIZES OF ALL SOIL VENT PIPES, STUB STACKS & RAINWATER DOWNPIPES ARE TO BE CONFIRMED BY CONDY LOFTHOUSE ARCHITECTS.
11. ALL UNDERGROUND DRAINAGE SHOULD BE SUITABLY VENTED AT, OR NEAR TO THE HEAD OF PIPE RUNS.

rev	date	details	drawn	checked
P02	29.01.21	AMENDMENTS IN-LINE WITH COMMENTS FROM CHESSMAN CONSULTING	JL	IG
P01	18.01.21	PRELIMINARY ISSUE	JL	IG



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**CARE HOME, BROADWATER ROAD  
 WELWYN GARDEN CITY, AL7 3AX**

title  
**PRIVATE DRAINAGE:  
 SW MANHOLE SCHEDULE**

CCL ref.	drawn	design	checked	scale	size	date
214937	JL	JL	IG	N.T.S	A1 (L)	18.01.21

status:  
**S3 - SUITABLE FOR REVIEW & COMMENT**

drawing number	revision
<b>214937-CCL-XX-XX-DR-C-3200</b>	<b>P02</b>

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U/S MH REFERENCE	U/S MH LOCATION		U/S COVER LEVEL (m)	U/S INVERT LEVEL (m)	U/S MH DEPTH (m)	D/S MH REFERENCE	D/S MH INVERT LEVEL (m)	PIPE #	PIPE LENGTH (m)	PIPE DIAMETER (mm)	SLOPE (1:X)	U/S MH SIZE (DIA - mm)	U/S MH TYPE	U/S MH COVER TYPE	U/S MH COVER LOAD TYPE
	EASTING (m)	NORTHING (m)													
S4	524171.036	212436.189	85.923	85.388	0.535	S5	85.291	S1.001	14.586	150	150.0	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S5	524167.599	212422.014	85.934	85.216	0.718	S9	84.800	S1.002	14.599	225	35.1	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S8	524155.468	212425.357	85.963	84.900	1.063	S9	84.875	S4.001	2.069	150	82.8	315	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S9	524153.399	212425.403	86.089	84.800	1.289	S10	84.768	S1.003	6.656	225	205.3	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S10	524147.065	212427.447	86.364	84.768	1.596	S14	84.690	S1.004	15.139	225	193.4	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S13	524150.223	212441.592	85.881	84.809	1.072	S14	84.765	S6.001	1.961	150	44.6	450	INSPECTION CHAMBER	STANDARD	LOAD CLASS B125
S14	524148.494	212442.519	86.111	84.690	1.421	S20	84.579	S1.005	10.500	225	95.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS B125
S17	524152.367	212449.250	85.896	84.676	1.220	S20	84.654	S8.001	3.370	150	150.0	315	INSPECTION CHAMBER	STANDARD	LOAD CLASS B125
S19	524152.752	212450.882	85.887	84.669	1.218	S20	84.654	S10.001	2.000	150	129.4	315	INSPECTION CHAMBER	STANDARD	LOAD CLASS B125
S20	524151.632	212452.539	86.006	84.579	1.427	S26	84.525	S1.006	9.293	225	171.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS B125
S23	524157.150	212453.617	85.850	84.715	1.135	S25	84.685	S11.001	3.005	100	100.0	315	INSPECTION CHAMBER	STANDARD	LOAD CLASS B125
S25	524155.829	212456.316	85.875	84.635	1.240	S26	84.600	S11.002	5.281	150	150.0	450	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S26	524154.417	212461.405	85.972	84.525	1.447	S40	84.206	S1.007	14.612	225	45.8	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S29	524188.253	212458.045	85.900	84.459	1.441	S34	84.389	S14.001	10.563	150	150.0	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S33	524179.151	212457.865	85.899	84.800	1.099	S34	84.389	S16.001	4.190	150	10.2	450	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S34	524178.458	212461.997	85.862	84.314	1.548	S40	84.206	S14.002	10.849	225	100.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S36	524172.076	212461.368	85.859	84.800	1.059	S39	84.464	S19.001	3.955	100	11.8	315	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S38	524167.405	212461.711	85.849	84.711	1.138	S39	84.464	S20.001	2.967	100	12.0	450	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S39	524169.194	212464.078	85.835	84.414	1.421	S40	84.281	S19.002	1.999	150	15.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S40	524168.327	212465.878	85.827	84.131	1.696	S84	83.879	S1.008	5.046	300	20.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S44	524183.418	212432.535	85.941	85.317	0.624	S50	85.225	S21.001	3.271	150	35.5	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S47	524185.355	212429.778	85.973	85.272	0.701	S50	85.225	S24.001	2.960	150	63.0	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S49	524186.680	212432.387	85.986	85.327	0.659	S50	85.275	S26.001	5.193	100	100.0	315	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S50	524182.417	212429.421	85.938	85.225	0.713	S54	85.178	S21.002	7.047	150	150.0	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S53	524182.800	212422.450	85.965	85.267	0.698	S54	85.168	S27.001	2.380	150	24.0	315	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S54	524180.429	212422.660	85.929	85.178	0.761	S55	85.134	S21.003	6.578	150	150.0	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S55	524178.741	212416.302	85.988	85.059	0.929	S56	84.939	S21.004	23.941	225	200.0	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S56	524201.707	212409.540	86.089	84.939	1.150	S60	84.866	S21.005	14.643	225	200.0	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S59	524202.650	212422.039	85.977	85.275	0.702	S60	84.941	S29.001	4.110	150	12.3	315	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S60	524206.540	212423.362	85.911	84.866	1.045	S68	84.794	S21.006	14.316	225	200.0	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S64	524207.390	212432.784	85.964	85.000	0.964	S68	84.869	S31.001	5.433	150	41.5	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S67	524208.741	212437.388	85.964	84.938	1.026	S68	84.869	S34.001	2.055	150	29.8	315	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S68	524210.766	212437.040	85.928	84.794	1.134	S71	84.767	S21.007	5.314	225	200.0	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S70	524208.143	212441.599	85.946	84.934	1.012	S71	84.892	S36.001	4.077	100	97.1	450	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S71	524212.181	212442.163	85.928	84.767	1.161	S72	84.572	S21.008	15.249	225	78.2	600	INSPECTION CHAMBER	RECESSED	FACTA CLASS C
S72	524216.416	212456.811	85.686	84.497	1.189	S77	84.209	S21.009	17.266	300	60.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S76	524199.629	212457.402	85.768	84.457	1.311	S77	83.969	S38.001	4.877	150	10.0	450	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S77	524200.033	212462.262	85.668	84.209	1.699	S79	84.058	S21.010	15.145	300	100.0	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S83	524170.502	212478.216	85.518	84.123	1.395	S84	83.954	S42.001	7.666	225	45.4	450	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S84	524168.146	212470.920	85.753	83.879	1.875	S85	83.676	S1.009	12.438	300	61.3	600	INSPECTION CHAMBER	STANDARD	LOAD CLASS D400
S85	524155.708	212470.940	85.659	83.676	1.983	TW MH 1404	83.290	S1.010	9.659	225	25.0	1200	HYDROBRAKE OPTIMUM FLOW CONTROL CHAMBER REF: MD-SHE-0054-2000-1950-2000	STANDARD	LOAD CLASS D400

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