

SURFACE WATER NETWORK 1							
MANHOLE NAME	EASTING	NORTHING	CONNECTED PIPES	COVER LEVELS	MANHOLE SIZE DEPTH TO SOFFIT	MANHOLE TYPE COVER TYPE	PLAN VIEW
SW1	385597.077	400437.352	300MM 1.000 INV. 59.300	61.273	1.350 1.673	DCG TYPE B SINGLE 600x600 CLEAR OPENING	
SW2	385626.852	400431.331	300MM 1.000 INV. 58.227 1050MM 1.001 INV. 57.477	60.524	2.700 1.997	DCG TYPE B SINGLE 600x600 CLEAR OPENING	
SW3 HYDROBRAKE	385694.240	400416.580	1050MM 1.001 INV. 57.305 300MM 1.002 INV. 57.305	59.402	2.700 1.047	UU DETAIL 5 DOUBLE 1200x675 CLEAR OPENING	

SURFACE WATER NETWORK 2							
MANHOLE NAME	EASTING	NORTHING	CONNECTED PIPES	COVER LEVELS	MANHOLE SIZE DEPTH TO SOFFIT	MANHOLE TYPE COVER TYPE	PLAN VIEW
SW4	385578.844	400402.374	225MM 1.000 INV. 59.833	61.261	1.350 1.203	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW5	385573.782	400378.343	225MM 1.000 INV. 59.343 225MM 1.001 INV. 59.343	60.768	1.500 1.200	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW6	385627.213	400366.974	225MM 1.001 INV. 57.562 300MM 1.002 INV. 57.487	58.987	1.350 1.200	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW7	385654.999	400361.711	300MM 1.002 INV. 56.383 375MM 1.003 INV. 56.308	57.883	1.350 1.200	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW8	385623.305	400300.489	375MM 1.004 INV. 54.608 225MM 2.004 INV. 54.758 450MM 1.005 INV. 54.533	56.184	1.500 1.201	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW9	385652.556	400353.433	375MM 1.003 INV. 56.175 375MM 1.004 INV. 56.175	57.750	1.350 1.200	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW10	385602.532	400338.091	225MM 2.002 INV. 56.790 225MM 2.001 INV. 56.790	58.262	1.350 1.247	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW11	385614.218	400332.554	225MM 2.002 INV. 56.235 225MM 2.003 INV. 56.235	57.664	1.350 1.204	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW12	385607.250	400303.621	225MM 2.003 INV. 55.591 225MM 2.004 INV. 55.591	57.108	1.350 1.292	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW13	385558.779	400324.216	225MM 2.000 INV. 57.210	58.638	1.350 1.203	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW14	385564.239	400345.353	225MM 2.000 INV. 57.050 225MM 2.001 INV. 57.050	58.920	1.350 1.645	DCG TYPE B SINGLE 600x600 CLEAR OPENING	
SW17	385547.057	400271.095	225MM 3.000 INV. 55.890	57.320	1.350 1.205	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW18	385536.667	400240.182	225MM 3.000 INV. 54.862 300MM 3.001 INV. 54.787	56.397	1.500 1.310	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW19	385578.008	400225.906	300MM 3.001 INV. 52.816 450MM 3.002 INV. 52.666	55.009	1.800 1.893	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW20A	385604.037	400227.350	450MM 3.002A INV. 52.602 450MM 3.002 INV. 52.602	55.498	1.500 2.446	DCG TYPE C DOUBLE 1200x675 CLEAR OPENING	
SW20	385611.241	400229.829	450MM 3.002 INV. 53.262 450MM 3.003 INV. 53.262	55.578	1.800 1.866	DCG TYPE B DOUBLE 1200x675 CLEAR OPENING	
SW22 HYDROBRAKE	385653.631	400216.997	450MM 1.007 INV. 52.132 450MM 1.008 INV. 52.132	55.951	2.100 3.369	UU DETAIL 5 DOUBLE 1200x675 CLEAR OPENING	
SW23	385644.555	400200.962	450MM 1.008 INV. 51.60TBC	55.931	1.350 3.370	DCG TYPE A SINGLE 600x600 CLEAR OPENING	

SURFACE WATER NETWORK 3							
MANHOLE NAME	EASTING	NORTHING	CONNECTED PIPES	COVER LEVELS	MANHOLE SIZE DEPTH TO SOFFIT	MANHOLE TYPE COVER TYPE	PLAN VIEW
SW24	385503.457	400172.238	600MM 1.000 INV. 52.520	54.879	2.100 1.759	DCG TYPE B SINGLE 600x600 CLEAR OPENING	
SW25	385520.645	400189.490	600MM 1.000 INV. 52.459 750MM 1.001 INV. 52.309 600MM 2.000 INV. 52.459	55.427	2.400 2.368	DCG TYPE B SINGLE 600x600 CLEAR OPENING	
SW26 HYDROBRAKE	385541.359	400170.453	750MM 1.001 INV. 52.095 225MM 1.002 INV. 52.095	55.133	2.100 2.288	UU DETAIL 5 DOUBLE 1200x675 CLEAR OPENING	
SW27	385546.052	400167.778	225MM 1.002 INV. 51.645	55.043	1.350 3.173	DCG TYPE A SINGLE 600x600 CLEAR OPENING	
SW28	385522.503	400198.428	600MM 2.000 INV. 53.219	55.346	2.100 1.527	DCG TYPE B SINGLE 600x600 CLEAR OPENING	

NOTES:

- ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWER SECTOR GUIDANCE V0.2 AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
- ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPOGRAPHIC SURVEY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE LINE AND LOCATION OF ANY EXISTING SEWERS, AS WELL AS ANY EXISTING GROUND AND INVERT LEVELS SHOWN ON THE DRAWING ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES MUST BE MUST BE REPORTED IMMEDIATELY.
- PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE STATUTORY UNDERTAKER AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY UNITED UTILITIES AND/OR THE HIGHWAYS AUTHORITY. THE CONTRACTOR WILL NOTIFY THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
- THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 295:1991 PART 1.
- ANY PRE CAST CONCRETE PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 1916:2002.
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE CORRECT BEDDING, SURROUND AND BACKFILLING PROCEDURES ARE FOLLOWED FOR PVC PIPES. FOR DETAILS OF EMBEDMENT AND SURROUND FOR FLEXIBLE PIPES REFER TO UNITED UTILITIES STANDARD DETAIL STND/05/001
- ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1917:2002
- SEWERS WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE BED AND SURROUND AS FOLLOWS: RIGID PIPE EMBEDMENT SHALL BE CLASS 5. SEMI RIGID PIPE EMBEDMENT SHALL BE CLASS 5 ALL IN ACCORDANCE WITH UNITED UTILITIES STANDARD DETAIL STND/05/001.
- ANY SEWER FOR ADOPTION WITH A COVER OF LESS THAN 1.2m TO PIPE SOFFIT IN ROADS OR 0.9m TO PIPE SOFFIT IN FIELDS WILL HAVE A MINIMUM 150mm GEN 3 CONCRETE BED AND SURROUND WITH FLEXIBILITY MAINTAINED WITH FLEXCELL EXPANSION JOINT FILLER OR SIMILAR APPROVED AT EACH PIPE JOINT.
- PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
- THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
- WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTLAGE OF THE DWELLING FOR WHICH THEY SERVE.
- THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
- CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.
- CONNECTIONS TO THE EXISTING WATERCOURSE WILL BE IN ACCORDANCE WITH APPROVAL GRANTED BY THE EA.
- WHILE THIS DRAWING IS ISSUED FOR CONSTRUCTION, WORKS ARE STILL AT THE DEVELOPERS RISK UNTIL THE SECTION 104 AND SECTION 38 APPROVALS HAVE BEEN CONFIRMED.

C03 31.10.23	Updated SW19, SW26, SW27		H.S. R.A.
C02 04.10.23	Updated SW18 - HW2, SW20A added.		H.S. R.A.
C01 30.06.23	SW23 Updated		J.W. R.A.
P03 13.06.23	Updated in line with latest comments		J.W. M.A.
P02 03.04.23	Updated in line with latest drainage layout		A.R. M.A.
P01 30.11.22	PRELIMINARY - Issued for Information		A.R. M.A.
Rev	Date	Description	By
<div><div></div><div>Manchester - UK 3rd Floor, Cornovan Court, 12 Blackfriars Street, Manchester, M3 9BQ, United Kingdom T: +44 (0) 161 834 1938 E: manchester@edgece.com</div></div>			
The concepts + information contained in this document are the copyright of EDGE Consulting Engineers. Use or copying of this document in whole or in part without the written permission of EDGE Consulting Engineers constitutes an infringement of copyright. DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!			
Project Name COLLYHURST VILLAGE			
Client DEX CONSTRUCTION			
Designed	Drawn	Checked	Scale @ A1
A.R.	A.R.	M.A.	N/A
Drawing Title SURFACE WATER MANHOLE SCHEDULE			
Project No. 221625		ISSUED FOR CONSTRUCTION	
Drawing No. 221625-EDGE-XX-XX-DR-C-2201		Revision C03	

FILENAME

PLOT DATE

0 mm 10 20 30 40 50