The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
9906		FO		150			VC	14.91401	
5402	72.96	SW	71.54	300			VC	23.66789	1 in 37
8403	74	FO	72.6	150			VC	79.96465	1 in 80
8403	74	FO	72.6	150			VC	79.96465	1 in 80
5501	71.34	CO	68.77	300			CO	132.5566	
5501	71.34	CO	68.77	300			CO	132.5566	
9610	71.44	SW	69.27	225			VC	14.4373	1 in 72
5802	68.76	CO	64.52	300			VC	18.39478	1 in 613
9602		FO		100			PE	8.59698	
9515	72.76	CO	69.07	225			VC	31.59321	1 in 150
9515	72.76	CO	69.07	225			VC	31.59321	1 in 150
5814		CO		150			VC	2.520009	
8702		CO	0	375			CO	45.80393	
6502	71.9	FO	70.28	150			VC	77.78274	1 in 132
6502	71.9	FO	70.28	150			VC	77.78274	1 in 132
9912		CO		150			VC	9.618885	
5401	72.34	CO	70.88	300			CO	5.08905	1 in 8
5401	72.34	CO	70.88	300			CO	5.08905	1 in 8
8802		CO		150			VC	10.39443	
9607	71.39	CO	68.52	225			VC	21.72512	1 in 155
0018		FO		225			VC	22.98763	
5011		CO		100			VC	15.75959	
5904		CO	0	750			CO	139.5421	
9609	71.49	FO	68.85	150			VC	13.6053	1 in 54
0809		CO		150			VC	3.112827	
5902	68.13	CO	64.19	375			CO	24	1 in 185
5703	69.62	CO	64.81	300			VC	60.0833	1 in 223
9604	70.24		68.16	225			VC	15.50141	1 in 86
6719		CO		150			VC	9.795967	
9519		CO		225			VC	38.136	
9519		CO		225			VC	38.136	
8010		CO		150			VC	5.931518	
5713		CO		150			VC	11.58255	
5402	72.96	SW	71.54	300			VC	9.153651	1 in 14
9623		FO		100			PVC	5.542882	
7001	68.27	SW		450			CO	33.94112	
5506	71.7	SW	68.63	750			CO	80.53249	1 in 53
5506	71.7	SW	68.63	750			CO	80.53249	1 in 53
9608	71.58	CO	68.6	225			VC	11.63206	1 in 145
9605		FO		150			VC	7.060663	
5301	73.42	CO	70.78	300			CO	95.51629	1 in 143
9402	75.69	CO		225			VC	56.68638	
8605	70.07	SW	67.99	300			VC	54.14795	
6718		CO		150			VC	4.675347	
4802	69.74	CO	67.42	225			VC	60.44005	1 in 112
7501	72.3	SW	69.08	600			CO	65.00063	1 in 500
7501	72.3	SW	69.08	600			CO	65.00063	1 in 500
9517	72.2	CO	69.28	225			VC	18.57114	1 in 143
0503	73.57	SW	71.94	225			VC	32.71663	1 in 74
0503	73.57	SW	71.94	225			VC	32.71663	1 in 74
9506	71.91	CO	68.86	225			VC	27.35588	1 in 105
5701	69.84	SW	68.05	375			CO	79.40403	1 in 102
5701	69.84	SW	68.05	375			CO	79.40403	1 in 102
6715		CO		150			VC	25.80434	
8801		CO		150			VC	15.15482	
7809		CO		150			VC	10.21451	
8003	68.98	CO	65.84	225			VC	31.04835	1 in 129
0616		FO		100			PE	5.421527	
7705		SW		100			VC	25.79276	
9516	73.07	CO	69.15	225			VC	11.57619	1 in 145
9516	73.07	CO	69.15	225			VC	11.57619	1 in 145
6501	72	SW	68.87	675			CO	86.52443	1 in 509
6501	72	SW	68.87	675			CO	86.52443	1 in 509
9803	69.33	CO	66.81	300			VC	45.34314	1 in 267
0609	70.87	FO	69.1	150			VC	27.16649	1 in 109
8602	70.27	CO	68.44	225			VC	26.68333	1 in 127
9908		FO		150			VC	5.317281	
9813	69.66	SW	68.32	450			CO	13.63334	1 in 454
7919		CO		150			VC	11.32262	
5716		CO		150			VC	3.155762	
5010		CO		150			VC	14.56151	
5010		CO		150			VC	14.56151	
0702	70.46	SW	68.43	300			CO	85.47147	1 in 356
7602	70.54	SW	69.5	225			VC	82.29216	1 in 69
9804	70.21	SW	68.19	300			VC	7.923929	
7920		FO		150			VC	5.682934	
9907		FO		150			VC	6.10971	
7702	69.85	CO	67.47	225			VC	22.67229	1 in 119
9509	73.3	SW	71.11	225			VC	15.17418	1 in 63
9509	73.3	SW	71.11	225			VC	15.17418	1 in 63
9612	71.4	SW	68.97	300			CO	22.07671	1 in 67
9617		FO		100			VC	5.097509	
9510	73.02	SW	70.87	225			VC	15.91029	1 in 9
9510	73.02	SW	70.87	225			VC	15.91029	1 in 9
6801	69.01	SW	67.05	375			CO	61.29437	1 in 511
6705		CO	67	225			VC	3.162278	1 in 4
0611		FO		100			PE	12.34408	
6802	69.12	CO	66.42	225			VC	68.24222	1 in 35
9512	73.62	FO	71.05	150			VC	27.75175	1 in 71
9512	73.62	FO	71.05	150			VC	27.75175	1 in 71
9511	72.76	SW	70.63	225			VC	27.62269	1 in 64
9511	72.76	SW	70.63	225			VC	27.62269	1 in 64
0506		FO		100			VC	5.108209	
0506		FO		100			VC	5.108209	
7703	69.78	CO	67.75	225			VC	37.05402	1 in 143
8804	68.84	SW	67.08	450			CO	29	1 in 414
7801	68.85	CO	66.16	450			CO	56.03915	
5702	70.01	SW	68.42	300			VC	27.29469	1 in 109
5702	70.01	SW	68.42	300			VC	27.29469	1 in 109
9902	69.08	CO	64.14	375			CO	101.713	
9520		CO	72.39	225			VC	28.46455	1 in 26
9520		CO	72.39	225			VC	28.46455	1 in 26
5004		CO		150			VC	11.29212	
5004		CO		150			VC	11.29212	
5003	67.43	CO	65.42	225			VC	46.09172	1 in 121
5402	72.96	SW	71.54	300			UN	20.23834	1 in 32
9507	71.96	SW	70.2	225			VC	27.15749	1 in 24
6714		CO		150			VC	22.94896	
4801	69.18	CO	66.86	225			VC	41.23106	
4801	69.18	CO	66.86	225			VC	41.23106	
5006	67.74	CO	65.48	225			VC	37.01351	1 in 116
5508	71.7	FO	69.69	150			VC	37.36032	1 in 149
5508	71.7	FO	69.69	150			VC	37.36032	1 in 149
5712		CO		150			VC	15.53559	
4901	68.63	CO	0	225			VC	28.79236	
4901	68.63	CO	0	225			VC	28.79236	
5005	67.96	CO	65.14	225			VC	99.40322	1 in 19
5005	67.96	CO	65.14	225			VC	99.40322	1 in 19
9001	68.77	CO	63.87	375			VC	57.07013	1 in 136
7704		CO	0	375			CO	83.0542	
9805		CO	0	225			VC	30.4795	
8705		SW		450			CO	100.6479	
9904	68.99	SW	67.72	300			CO	105.019	1 in 256
5709		CO		100			VC	30.81631	
5804	68.57	SW	66.95	525			CO	17.49286	1 in 219
7905	68.1	SW	66.35	450			CO	70.38466	
8801	68.36	SW	66.85	450			CO	36.89174	
0601	70.65	CO	68.11	225			VC	72.99315	1 in 107
6901	69.06	CO	64.47	700			CO	117.4266	1 in 267
0803	70.3	CO	67.43	225			VC	28.77078	1 in 137
5601	71.25	SW	69.52	300			CO	76.53757	1 in 239
5601	71.25	SW	69.52	300			CO	76.53757	1 in 239
6808		CO		150			VC	2.340847	
9624		FO		100			PSC	9.480327	
5009		CO		150			VC	12.27878	
5009		CO		150			VC	12.27878	
6703	69.71	CO	66.83	225			VC	59.84146	1 in 153
9820		CO		150			VC	11.3013	
8402	73	SW	70.24	375			CO	85.0125	1 in 90
8402	73	SW	70.24	375			CO	85.0125	1 in 90
8805	69.18	CO	66.62	300			VC	104.1201	1 in 274
9006		CO		100			VC	11.97172	
5401	72.34	CO	70.88	300			CO	6.394175	1 in 10
5401	72.34	CO	70.88	300			CO	6.394175	1 in 10
5505	71.62	SW	70.2	300			CO	65.52715	1 in 99
9503	71.97	CO	69.42	225			VC	16.93513	1 in 121
9503	71.97	CO	69.42	225			VC	16.93513	1 in 121
8904	69.03	CO	65.34	450			CO	117.6254	
9801	70.4	SW	68.17	300			VC	44.49371	1 in 193
9513	73.27	FO	71.11	150			VC	16.36872	1 in 20
9513	73.27	FO	71.11	150			VC	16.36872	1 in 20
9613	70.96	SW	68.64	300			CO	9.645584	1 in 57
8903	68.66	SW	67.31	300			CO	84.09518	
8709		CO		150			VC	11.74427	
0606	70.57	SW	68.93	225			VC	84.0119	1 in 168
5901	68.01	CO	63.62	750			CO	66.00758	
7904	68.25	CO	0	225			VC	38.47077	
4702	70.69	CO	0	375			CO	37.33631	
4702	70.69	CO	0	375			CO	37.33631	
0602	70.74	CO	68.57	225			VC	52.17279	1 in 121
9614	70.72	SW	68.47	300			CO	22.9007	1 in 143
6807		CO		150			VC	6.956486	
7817		CO		150			VC	8.086248	
9403		CO		225			VC	49.61541	
9403		CO		225			VC	49.61541	
8006		CO		150			VC	8.658717	
4803	69.73	CO	67.16	225			VC	93.49332	1 in 130
5710		CO		100			VC	12.29456	
0002		CO	0	375			VC	17.72005	
9810		CO		150			VC	7.92829	
9903	68.98	CO	65.69	450			CO	77.00517	1 in 220
6809		CO		150			VC	9.809045	
7903	68.25	SW		450			CO	84.40379	
0610	70.91	SW	69.48	225			VC	29.72202	1 in 142
9621		FO		150			VC	5.655906	
9402	75.69	CO		225			VC	11.95169	
9508	73.61	SW	71.5	225			VC	26.61387	1 in 68
9508	73.61	SW	71.5	225			VC	26.61387	1 in 68
8005		CO		150			VC	15.49953	
5801	68.31	CO	64.47	375			CO	49.09175	1 in 189
7701	69.97	CO	67.51	225			VC	114.0614	1 in 173
4709		CO		100			VC	16.87803	
5803	68.89	SW	66.85	600			CO	53.36666	
5500	72.07	CO	69.43	450			CO	16.07119	1 in 201
5500	72.07	CO	69.43	450			CO	16.07119	1 in 201
8404	73	FO	71.6	150			VC	82.95797	1 in 104
8404	73	FO	71.6	150			VC	82.95797	1 in 104
5507	71.78	SW	68.39	825			CO	78.02978	1 in 520
5507	71.78	SW	68.39	825			CO	78.02978	1 in 520
5507	71.78	SW	68.39	825			CO	78.02978	1 in 520
5507	71.78	SW	68.39	825			CO	78.02978	1 in 520
5008		SW	0	600			CO	118.5116	
4903		CO		100			VC	49.80035	
8401	74	SW	71.2	300			VC	83.69702	1 in 87
8401	74	SW	71.2	300			VC	83.69702	1 in 87
0701	70.41	CO	67.65	225			VC	89.20202	
5509	71.8	CO	69.33	300			VC	12.48333	1 in 46
5509	71.8	CO	69.33	300			VC	12.48333	1 in 46
0806	69.92	SW	68.36	450			CO	21.43554	1 in 306
5806		CO	0	600			CO	12.04159	
4707		CO		100			VC	20.83263	

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
9502		FO		100			VC	27.43605	
9502		FO		100			VC	27.43905	
0504		FO		100			VC	1.821391	
0504		FO		100			VC	1.821391	
8704	69.04	CO	67.25	225			VC	49.0408	1 in 114
8701	69.44	CO	66.68	375			CO	23.02173	
8009		CO		150			VC	6.467936	
5806		CO		150			VC	14.66344	
5714		CO		150			VC	15.67439	
9814	70.06	SW	68.25	450			VC	17.42433	1 in 436
9622		FO		100			PVC	3.610226	
7806		CO		150			VC	12.68026	
8807		CO		150			VC	5.407094	
7902		CO	0	600			CO	23.01959	
9615	70.21	SW	68.31	525			CO	15.96723	1 in 59
9611	71.54	SW	69.07	300			CO	12.2867	1 in 123
5906		CO	0	225			VC	112.331	
5906		CO	0	225			VC	112.331	
9817	70.09	SW	68.31	300			VC	5.493869	
8803	68.72	SW	66.99	450			CO	52.15362	1 in 435
6717		CO		100			VC	7.397625	
0406		CO		150			VC	17.80006	
0406		CO		150			VC	17.80006	
4701	70.58	SW	69.15	225			VC	35.8469	1 in 68
4701	70.58	SW	69.15	225			VC	35.8469	1 in 68
7604		CO		150			VC	2.886749	
9625		FO		100			PSC	12.96655	
9514	72.98	FO	70.28	150			VC	15.00083	1 in 12
9514	72.98	FO	70.28	150			VC	15.00083	1 in 12
7601	70.47	CO	67.7	225			VC	34.48188	1 in 203
9802	70.22	CO	67.64	225			VC	31.5727	1 in 166
6702	69.6	SW	68.28	375			CO	79.25907	1 in 155
0807		CO		150			VC	12.02558	
7502	72.3	FO	70.8	150			VC	70.51776	1 in 136
7502	72.3	FO	70.8	150			VC	70.51776	1 in 136
0805	69.77	SW	68.29	450			CO	20.28929	1 in 507
5403	72.65	CO	69.71	300			CO	24.58371	1 in 137
5403	72.65	CO	69.71	300			CO	24.58371	1 in 137
9605	70.69	CO	68.29	225			VC	21.83155	1 in 168
0505	73.57	FO	71.47	150			VC	30.54023	1 in 73
0505	73.57	FO	71.47	150			VC	30.54023	1 in 73
5906		CO		600			CO	135.3699	
9815	70.1	SW		0			CO	0.2226948	
5704	69.95	CO	64.63	375			VC	31.95309	
5704	69.95	CO	64.63	375			VC	31.95309	
9811		CO		150			VC	3.715319	
7603		CO		150			VC	20.81898	
6701	69.61	SW	67.75	375			CO	60.41523	1 in 89
9616	70.21	SW	68.04	525			CO	32.84969	1 in 149
8907		CO		150			VC	4.097323	
9629		FO		100			PE	4.924608	
7721		CO		150			VC	24.03651	
5906	70.97	CO	68.38	225			VC	12.17267	1 in 135
9701	69.93	CO	67.41	300			VC	70.03571	1 in 269
8901	68.88	CO	66.2	225			VC	54.00926	1 in 159
5404	72.63	CO	70.09	300			UN	10.5474	1 in 29
5404	72.63	CO	70.09	300			UN	10.5474	1 in 29
8707	69.69	CO	67.05	375			VC	55.31993	
5722		CO		150			VC	18.56915	
9522		FO		100			PVC	5.609255	
8703	69.74	CO	67.13	375			CO	7.052541	1 in 88
9609	70.08	CO	67.68	225			VC	17.9129	1 in 61
8711		CO		150			VC	12.81674	
5723		CO		150			VC	9.998692	
8909		CO		150			VC	13.55802	
7901	68.48	CO	64.83	600			CO	94.54099	1 in 350
5811		CO		150			VC	21.50706	
6803	69.46	CO	67.01	225			VC	111.0405	1 in 142
7902		CO		150			VC	14.97322	
9631		FO		100			VC	5.173009	
9619		FO		100			PE	4.480266	
8608	69.61	CO	67.39	375			CO	40.59411	1 in 119
4002		CO		150			VC	9.660741	
4002		CO		150			VC	9.660741	
6704	69.99	CO	66.24	225			VC	22.06941	1 in 120
8617		CO		150			VC	34.43003	
4915		CO		150			VC	3.877072	
4915		CO		150			VC	3.877072	
8910		CO		100			VC	2.91304	
9610	70.09	SW	67.82	525			CO	18.19024	1 in 152
0404		CO		150			VC	12.83337	
0404		CO		150			VC	12.83337	
5720		CO		150			VC	1.059786	
8601	70.74	CO	68.23	225			VC	80.95678	1 in 159
9603	70.23	CO	67.98	225			VC	36.04709	1 in 120
0403		CO		150			VC	17.87203	
0403		CO		150			VC	17.87203	
8708		CO		150			VC	9.455836	
8713		CO		150			VC	2.01246	
0405		CO		150			VC	6.217504	
0405		CO		150			VC	6.217504	
7709		FO		100			VC	2.234534	
9821		CO		150			VC	17.27409	
6804		CO		150			VC	3.404791	
5404	72.63	CO	70.09	300			UN	37.98619	1 in 106
5404	72.63	CO	70.09	300			UN	37.98619	1 in 106
6723		CO		100			VC	16.18645	
5818		FO		100			PVC	6.968579	
5604		CO		100			VC	18.54598	
8611	69.83	SW	67.7	375			CO	1.803167	1 in 6
8902	68.9	CO	66.55	225			VC	49.0408	1 in 149
9901	68.74	CO	66.67	225			VC	55.44366	1 in 121
9518		FO		150			PVC	15.23643	
7907		CO		150			VC	23.97094	
8619		FO		100			PVC	21.8458	

LEGEND

Abandoned | Foul | Surface Water | Combined

- Public Sewer
- Private Sewer
- Section 104
- Rising Main
- Sludge Main
- Overflow
- Water Course
- Highway Drain

All point assets follow the standard colour convention:
red - combined | blue - surface water
brown - foul | purple - overflow

- Manhole
- Head of System
- Extent of Survey
- Rodding Eye
- Inlet
- Discharge Point
- Vortex
- Penstock
- Washout Chamber
- Valve
- Air Valve
- Non Return Valve
- Soakaway
- Gully
- Cascade
- Flow Meter
- Hatch Box
- Oil Interceptor
- Summit
- Drop Shaft
- Orifice Plate
- Side Entry Manhole
- Outfall
- Screen Chamber
- Inspection Chamber
- Bifurcation Chamber
- Lamp Hole
- T Junction / Saddle
- Catchpit
- Valve Chamber
- Vent Column
- Vortex Chamber
- Penstock Chamber
- Network Storage Tank
- Sewer Overflow
- Ww Treatment Works
- Ww Pumping Station
- Septic Tank
- Control Kiosk
- DNM Network Monitoring Point
- Change of Characteristic

MANHOLE FUNCTION

- FO Foul
- SW Surface Water
- CO Combined
- OV Overflow

SEWER SHAPE

- CI Circular
- EG Egg
- OV Oval
- FT Flat Top
- RE Rectangular
- SQ Square
- TR Trapezoidal
- AR Arch
- BA Barrel
- HO HorseShoe
- UN Unspecified

SEWER MATERIAL

- AC Asbestos Cement
- BR Brick
- PE Polyethylene
- RP Reinforced Plastic Matrix
- CO Concrete
- CSB Concrete Segment Bolted
- CSU Concrete Segment Unbolted
- CC Concrete Box Culverted
- PSC Plastic / Steel Composite
- GRC Glass Reinforecd Plastic
- DI Ductile Iron
- PVC Polyvinyl Chloride
- CI Cast Iron
- SI Spun Iron
- ST Steel
- VC Vitrified Clay
- PP Polypropylene
- PF Pitch Fibre
- MAC Masonry, Coursed
- MAR Masonry, Random
- U Unspecified

Address or Site Reference:

AVANT GARDE A V LTD 3000 AVIATOR WAY,
MANCHESTER,
M22 5TG

OS sheet Number: SJ8285NE
Scale: 1:1250 **Date:** 23/09/2025
Nodes: 306
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