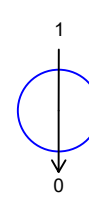
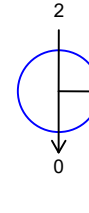
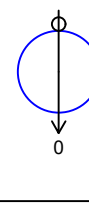
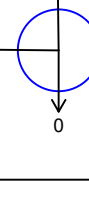
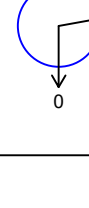
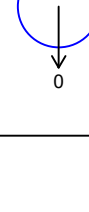
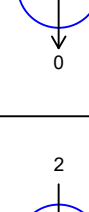
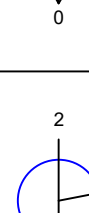
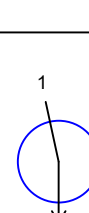


DO NOT SCALE

SURFACE WATER MANHOLE SCHEDULE (NETWORK 1)
Sheet 4 of 4

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Additional Manhole Requirements			
			Code	Invert	Diams		Manhole	Cover	Ladder or Stepped Access	Safety Chain Required?	Handrails Required?	
S138	26.100		1	9.004	21.560	1050						
E. 340923.964 N. 398653.608	3.490		0	9.005	21.560	1050	2400	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S139 (Flow Control)	26.032		1	9.005	21.523	1050						
E. 340937.917 N. 398648.293	4.284		0	6.005	21.523	225	2400	Type A2 (Figure B6)	D400 (1220 x 685)	Ladder Access	No	No
S140	25.862		1	6.005	21.389	225						
E. 340941.790 N. 398658.589	4.248		0	6.006	20.114	1500	2400	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S141 (Flow Control)	23.897		1	6.006	20.000	1500						
E. 340957.947 N. 398701.490	3.522		0	3.006	20.000	375	2700	Type A2 (Figure B6)	D400 (1220 x 685)	Ladder Access	No	No
S142	23.150		1	3.006	19.460	375						
E. 340965.213 N. 398719.999	3.315		0	3.007	19.460	375	2100	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
S143	25.583											
E. 340884.038 N. 398690.334	2.973		0	12.000	21.710	900	2100	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S144	24.869											
E. 340882.303 N. 398716.307	2.291		0	13.000	21.678	900	2100	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S145	25.303		1	13.000	21.651	900						
E. 340892.367 N. 398712.530	2.752		0	12.001	21.651	900	2100	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S146 (Flow Control)	25.150		1	12.001	21.599	900						
E. 340899.667 N. 398731.983	3.326		0	12.002	21.599	225	2100	Type A2 (Figure B6)	D400 (1220 x 685)	Ladder Access	No	No
S147	23.293		1	12.002	19.364	225						
E. 340908.304 N. 398754.997	4.712		0	3.008	18.206	375	1500	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
S148	21.316		1	3.008	17.882	375						
E. 340893.298 N. 398764.225	3.059		0	3.009	17.882	375	1500	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
S149	20.620		1	3.009	17.094	375						
E. 340852.219 N. 398754.836	3.151		0	3.010	17.094	375	1500	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
S150 (Headwall)	16.562		1	3.010	15.434	375						
E. 340764.387 N. 398754.009	0.753						1500	Type C (Figure B15)	D400 (1220 x 685)			

SURFACE WATER MANHOLE SCHEDULE (NETWORK 2)
Sheet 1 of 5

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Additional Manhole Requirements			
			Code	Invert	Diams		Manhole	Cover	Ladder or Stepped Access	Safety Chain Required?	Handrails Required?	
S201	26.000											
E. 341303.439 N. 398529.705	1.361		0	1.000	24.189	450	1800	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
S202	26.281		1	1.000	24.079	450						
E. 341285.794 N. 398489.401	1.752		0	1.001	24.079	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S203	26.161		1	1.001	24.044	450						
E. 341273.582 N. 398462.487	1.667		0	1.002	24.044	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S204	26.476											
E. 341179.793 N. 398484.684	1.303		0	2.000	24.948	225	1800	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
S205	26.799		1 2	1.002 2.000	23.868 24.093	450 225						
E. 341203.092 N. 398494.051	2.481		0	1.003	23.868	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S206	26.048											
E. 341321.334 N. 398462.227	1.378		0	3.000	24.220	450	1800	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
S207	26.065		1	3.000	24.175	450						
E. 341332.233 N. 398467.891	1.440		0	3.001	24.175	450	1800	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
S208	26.226		1	3.001	24.141	450						
E. 341336.532 N. 398454.808	1.635		0	3.002	24.141	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S209	26.618		1	3.002	24.059	450						
E. 341337.391 N. 398422.104	2.109		0	3.003	24.059	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S210	26.187		1 2	4.000 3.003	24.450 23.912	225 450						
E. 341278.513 N. 398423.358	1.825		0	3.004	23.912	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S211	26.090		1 2	5.000 3.004	24.450 23.777	225 450						
E. 341224.638 N. 398424.506	1.863		0	3.005	23.777	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S212	25.948		1 2	3.005 1.003	23.720 23.720	450 450						
E. 341201.865 N. 398424.991	1.778		0	1.004	23.720	450	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S213	25.574		1 2	6.000 1.004	24.350 23.575	225 450						
E. 341144.069 N. 398425.658	1.549		0	1.005	23.500	525	1800	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S214	26.234											
E. 341145.103 N. 398492.307	2.037		0	7.000	23.747	450	1500	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S215	26.586		1	7.000	23.686	450						
E. 341122.392 N. 398500.888	2.450		0	7.001	23.686	450	1500	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No

Notes

- All works shall be in accordance with Sewers for Design and Construction Guidance (DCG) Standards and United Utilities Standard Details and Guidelines.
- Step Rungs shall be installed in accordance to BS EN 13101.
- Manholes shall be to United Utilities Standard Detail STND/19/001-012. Ladders, Safety chains and Hand railing shall be to Standard Detail STND/19/010. Back-drops shall be to Standard Detail STND/19/007.
- 150mm min concrete surround required for all adopted Manholes.
- Rocker pipes shall be provided in accordance with United Utilities Standard Detail STND/19/010.
- Pipe materials as table below or similar approved by United Utilities.
- All lateral connections will be made at soffit level to the main channel.

Pipe Materials Table

Pipe Materials Table	Pipe Materials Table
150	PVC-U
225	PVC-U
300	PVC-U
375	CONCRETE
450	CONCRETE
600	CONCRETE
750	CONCRETE
900	CONCRETE
1200	CONCRETE
1500	CONCRETE

Bedding and Surround Table

Depth to Soffit	Bedding and Surround Type
>1.2m	Class S
<1.2m	Class Z

Coopers Drawing List:

- 7778 / 01 Proposed S104 Drainage Layout
- 7778 / 02 Proposed Highway Setting Out
- 7778 / 03 Proposed Highway Layout
- 7778 / 04 Proposed Highway and Drainage Longsections
- 7778 / 05 Highway Construction Details
- 7778 / 06 Proposed Surface Finishes
- 7778 / 07 S38 Agreement Plan
- 7778 / 08 External Works Layout
- 7778 / 09 Private Drainage Layout
- 7778 / 10 Private Drainage Construction Details
- 7778 / 11 Manhole Schedules
- 7778 / 12 Flow Control Manhole Details
- 7778 / 13 Surface Water Catchment Areas
- 7778 / 14 Surface Water Attenuation Details
- 7778 / 15 Proposed Cut and Fill Earthworks
- 7778 / 16 Plot Setting Out
- 7778 / 17 Manhole Connection Plan

TENDER



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Project

CHERRYFIELD DRIVE,
KIRKBY.

Title

Surface Water Manhole Schedules
Sheet 2 of 9

DRAWING NUMBER

7778 / 11-2

SCALE at A1 NTS

DATE	28.04.25	REVISION
DRAWN	PJN	
CHECKED	AJ	