

DO NOT SCALE

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

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Additional Manhole Requirements		
	Depth To Soffit		Code	Invert	Diams		Manhole	Cover	Ladder or Stepped Access	Safety Chain Required?	Handrails Required?
S254 (Flow Control)	22.000		1	19.000	20.016	750					
E. 340880.040 N. 398159.342	1.609		0	19.001	20.016	375	2700 Type B (Figure B10)	D400 (1220 x 685)	Stepped Access	No	No
S255	21.922										
E. 340913.022 N. 398226.885	3.770		0	20.000	20.908	1200	2400 Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S256	21.998		1	20.000	16.785	1200					
E. 340893.178 N. 398163.029	4.013		0	20.001	16.785	1200	2700 Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S257	22.045		1	20.001	16.760	1200					
E. 340886.617 N. 398155.499	4.085		0	20.002	16.160	1800	2700 Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S258	21.906		1	20.002	16.137	1800					
E. 340880.391 N. 398148.782	3.969		2	19.001	19.593	375	2700 Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S259	21.538		1	19.002	16.111	1800					
E. 340876.924 N. 398139.018	3.627		0	19.003	16.111	1800	2700 Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	Yes	Yes
S260 (Flow Control)	19.289		1	19.003	15.999	1800					
E. 340877.118 N. 398094.348	2.915		0	19.004	15.999	375	2700 Type B (Figure B10)	D400 (1220 x 685)	Stepped Access	No	No
S261	19.029		1	19.004	15.947	375					
E. 340877.149 N. 398081.886	2.707		0	19.005	15.947	375	1500 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S262	18.492		1	19.005	15.843	375					
E. 340852.283 N. 398081.921	2.274		0	19.006	15.843	375	1500 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S263	17.908		1	19.006	15.724	375					
E. 340823.951 N. 398084.737	1.809		0	19.007	15.724	375	1500 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
S264	17.360		1	19.007	15.624	375					
E. 340800.480 N. 398089.460	1.361		0	19.008	15.624	375	1500 Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
S265	16.911		1	19.008	15.336	375					
E. 340777.253 N. 398096.951	1.200		0	19.009	15.336	375	1500 Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
S266 (Headwall)	14.322		1	19.009	14.100	375					
E. 340757.807 N. 398089.770	1.086		0				N/A	N/A	N/A	N/A	N/A

SURFACE WATER MANHOLE SCHEDULE (NETWORK 3)
Sheet 1 of 3

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Additional Manhole Requirements		
	Depth To Soffit		Code	Invert	Diams		Manhole	Cover	Ladder or Stepped Access	Safety Chain Required?	Handrails Required?
S301	24.872										
E. 341171.755 N. 398261.713	2.208		0	1.000	21.764	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S302	24.914		1	1.000	21.724	900					
E. 341171.784 N. 398245.774	2.290		0	1.001	21.724	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S303	24.829		1	1.001	21.701	900					
E. 341170.140 N. 398236.833	2.228		0	1.002	21.701	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S304	24.604		1	1.002	21.651	900					
E. 341163.691 N. 398217.896	2.053		0	1.003	21.651	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S305	24.847		1	1.003	21.603	900					
E. 341181.985 N. 398211.666	2.344		0	1.004	21.603	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S306	24.108		1	1.004	21.460	900					
E. 341164.026 N. 398157.539	1.748		0	1.005	21.460	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S307	23.991		1	1.005	21.378	900					
E. 341153.363 N. 398126.466	1.713		0	1.006	21.378	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S308	24.080		1	1.006	21.359	900					
E. 341152.150 N. 398118.838	1.821		0	1.007	21.359	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S309	24.142		1	1.007	21.343	900					
E. 341153.686 N. 398112.588	1.899		0	1.008	21.343	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S310	24.242		1	1.008	21.324	900					
E. 341160.001 N. 398108.017	2.018		0	1.009	21.324	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S311	25.373		1	2.000	23.100	225					
E. 341232.605 N. 398292.883	2.787		0	2.001	21.686	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S312	25.474		1	2.001	21.657	900					
E. 341225.464 N. 398243.698	2.917		0	2.002	21.657	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S313	25.195		1	2.002	21.546	900					
E. 341209.882 N. 398202.012	2.749		0	2.003	21.546	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S314	25.019		1	2.003	21.466	900					
E. 341240.137 N. 398191.667	2.653		0	2.004	21.466	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes
S315	24.445		1	2.004	21.276	900					
E. 341215.738 N. 398119.536	2.269		0	2.005	21.276	900	2100 Type B (Figure B10)	D400 (600 x 600)	Stepped Access	Yes	Yes

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 4 of 9

DRAWING NUMBER

7778 / 11-4

SCALE at A1 NTS

DATE 28.04.25

DRAWN P/JN

CHECKED AJ

REVISION

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