SECTION 104 ADOPTABLE FOUL WATER DRAINAGE MANHOLE SCHEDULE

CHAMBER REF	COVER LEVEL	DEPTH TO INVERT (m)	DEPTH TO SOFFIT (m)	PIPE OUT INVERT LEVEL (m)	PIPE OUT DIA (mm)	MIN CHAMBER SIZE & TYPE	COVER TYPE AND OPENING
F01	82.700	1.350	1.200	81.350	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F02	82.700	1.607	1.457	81.093	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F03	82.650	1.950	1.800	80.700	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F04	82.607	1.994	1.844	80.613	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F05	82.400	1.328	1.178	81.072	150	1200DIA PCC TYPE E MANHOLE	600x600 D400
F06	81.845	1.146	0.996	80.699	150	1200DIA PCC TYPE E MANHOLE	600x600 D400
F07	81.968	1.326	1.176	80.642	150	1200DIA PCC TYPE E MANHOLE	600x600 D400
F08	82.535	2.036	1.886	80.499	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F09	82.430	1.979	1.829	80.451	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F10	82.360	2.055	1.905	80.305	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F11	82.217	2.001	1.851	80.216	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F12	82.070	1.938	1.788	80.132	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F13	81.988	1.904	1.754	80.084	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F14	81.975	2.127	1.977	79.848	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
F15	82.281	2.764	2.614	79.517	150	1200DIA PCC TYPE B MANHOLE	600x600 D400
CHAMBER REF	**COVER LEVEL**	**DEPTH TO INVERT (m)**		**PIPE OUT INVERT LEVEL (m)**	**PIPE OUT DIA (mm)**	**CHAMBER SIZE & TYPE**	**COVER TYPE AND OPENING**

SECTION 104 ADOPTABLE SURFACE WATER DRAINAGE MANHOLE SCHEDULE

CHAMBER REF	COVER LEVEL	DEPTH TO INVERT (m)	COVER DEPTH (m)	PIPE OUT INVERT LEVEL (m)	PIPE OUT DIA (mm)	PIPES IN INVERT LEVEL (m)	PIPES IN DIA (mm)	MIN CHAMBER SIZE & TYPE	COVER TYPE AND OPENING
S01	82.560	1.500	1.200	81.060	300			1200DIA TYPE B PCC MANHOLE	600X600 D400
S02	82.690	1.745	1.445	80.945	300	80.945	300	1200DIA TYPE B PCC MANHOLE	600X600 D400
S03	82.794	2.014	1.714	80.780	300	80.780	300	1200DIA TYPE B PCC MANHOLE	600X600 D400
S04	82.661	1.996	1.696	80.665	300	80.665	300	1200DIA TYPE B PCC MANHOLE	600X600 D400
S05	82.560	2.300	2.000	80.260	300	80.260	300	1500DIA TYPE B PCC MANHOLE	600X600 D400
S06	82.600	2.475	2.175	80.125	300	80.125	300	1200DIA TYPE B PCC MANHOLE	600X600 D400
S07	82.470	1.715	1.490	80.755	225			1200DIA TYPE B PCC MANHOLE	600X600 D400
S08	81.850	1.770	1.395	80.080	375	80.155	225	1200DIA TYPE B PCC MANHOLE	600X600 D400
S09	81.994	1.964	1.589	80.030	375	80.030	375	1200DIA TYPE B PCC MANHOLE	600X600 D400
S10	82.460	2.495	2.120	79.965	375	80.040 79.965	300 375	1500DIA TYPE B PCC MANHOLE	600X600 D400
S11	82.412	2.522	2.147	79.890	375	79.890	375	1200DIA TYPE B PCC MANHOLE	600X600 D400
S12	82.268	2.418	2.043	79.850	375	79.850	375	1200DIA TYPE B PCC MANHOLE	600X600 D400
S13	82.120	2.305	1.930	79.815	375	79.815	375	1200DIA TYPE B PCC MANHOLE	600X600 D400
S14	82.040	2.245	1.870	79.795	375	79.795	375	1500DIA TYPE B PCC MANHOLE	600X600 D400
S15	82.050	2.330	1.955	79.720	375	79.720	375	1200DIA TYPE B PCC MANHOLE	600X600 D400
S16	81.965	2.710	0.910	79.255	1800	79.665	375	AQUASPIRA	600X600 D400
S17	81.965	2.810	2.510	79.155	300	79.155	1800	*2700DIA TYPE B PCC FLOW CONTROL CHAMBER	1200x675 C250 (TO SUIT FLOW CONTROL DEVICE)
CHAMBER REF	**COVER LEVEL**	**DEPTH TO INVERT (m)**	**COVER DEPTH (m)**	**PIPE OUT INVERT LEVEL (m)**	**PIPE OUT DIA (mm)**	**PIPES IN INVERT LEVEL (m)**	**PIPES IN DIA (mm)**	**MIN CHAMBER SIZE & TYPE**	**COVER TYPE AND OPENING**

* CHAMBER SIZE TO SUIT MANUFACTURER RECOMMENDATIONS

DO NOT SCALE

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT SCHEME DRAWINGS AND SPECIFICATIONS.
3. THIS DRAWING IS NOT TO BE PRODUCED IN ANY PART OR FORM WITHOUT CONSENT OF WSP, ALL COPY RIGHT RESERVED.
4. DO NOT SCALE, IF IN DOUBT CONTACT WSP.
5. THE BASE DRAWING (TOPOGRAPHICAL SURVEY) HAS BEEN PROVIDED BY OTHERS, THIS HAS NOT BEEN VALIDATED BY WSP. SURVEY STATION LOCATION AND CO-ORDINATES TO BE CONFIRMED ON SITE PRIOR TO BE COMMENCEMENT OF SETTING OUT.
6. EXISTING ROAD LEVEL AND DRAINAGE INVERT LEVELS SHALL BE CHECKED PRIOR TO CONSTRUCTION COMMENCEMENT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER.
7. NO SERVICE INFORMATION HAS BEEN SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL RELEVANT SERVICE INFORMATION AND TO VALIDATE THIS ON SITE PRIOR TO COMMENCEMENT. ALL POTENTIAL CLASHES TO BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT.
8. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
9. THE PLANNING, DESIGN AND CONSTRUCTION OF SEWERS SHALL BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION, AND YORKSHIRE WATER STANDARD DETAILS.
10. LOCATIONS AND LEVELS OF EXISTING MANHOLES AND OUTFALLS TO BE VERIFIED ONSITE PRIOR TO COMMENCEMENT OF WORKS.
11. LEVELS OF DRAINS AND SEWER CROSSING LOCATIONS ARE TO BE CHECKED ON SITE BEFORE CONSTRUCTION.
12. MANHOLE COVERS SHOULD BE IN ACCORDANCE WITH CLAUSE 5.2.32 OF SEWERS FOR ADOPTION AND BE BEDDED AND HAUNCHED IN MORTAR.
13. COVER LEVELS SHOWN ARE APPROXIMATE. COVERS SHALL BE SET TO SUIT THE PROPOSED CARRIAGEWAY LEVELS AND GRADIENT.

DRAWING ISSUED FOR INFORMATION ONLY AND IS SUBJECT TO THE APPROVAL OF YORKSHIRE WATER

REV	DATE	BY	DESCRIPTION	CHK	APP
P01	13.07.2018	DV	FIRST ISSUE	PV	NS

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SITE/PROJECT: ST CATHERINES WALK, BARNSLEY, RESIDENTIAL DEVELOPMENT

TITLE: SECTION 104 DRAINAGE MANHOLE SCHEDULE

SCALE @ A1:	CHECKED:	APPROVED:
NTS	NS	NS

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70042416	DV	DV	July 18

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