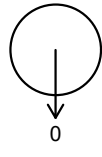
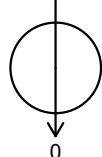
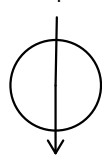
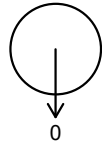
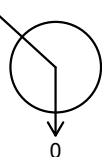
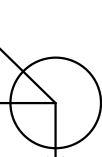
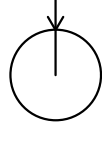


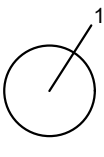
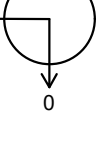
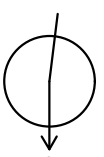
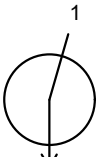
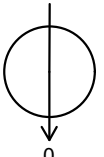
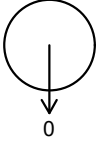
MANHOLE SCHEDULE

Sheet 1 of 2

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		
			Code	Inverts	Diams		Manhole	Cover	
S1	97.672					2400	TYPE A	D400	
E. 386419.731 N. 403464.237	4.492								
S2	97.155		1	1.000	92.235	900	2400	TYPE A	D400
E. 386430.146 N. 403449.350	3.870								
S3	95.246		1	1.001	92.163	900	2400	SHALLOW	D400
E. 386446.634 N. 403425.888	2.183								
S4	94.464		1	1.002	92.120	900	2400	SHALLOW	D400
E. 386456.918 N. 403411.770	1.444								
S5	REFER TO DRAWING WMR-AJP-ZZ-00-DR-C-1091 FOR FURTHER INFORMATION								
S6	95.204					2700	SHALLOW	D400	
E. 386472.787 N. 403418.220	2.171								
S7	96.100		1	3.001	91.933	375	2400	TYPE A	D400
E. 386492.574 N. 403388.515	3.792								
S8	REFER TO DRAWING WMR-AJP-ZZ-00-DR-C-1090 FOR FURTHER INFORMATION								
C12	95.450		1 1	S1.006 F1.002	91.838 91.838	225 225	1500	TYPE A	D400
E. 386492.430 N. 403371.164	3.387								
C13	95.120		0	1.007	91.806	225	1500	TYPE A	D400
E. 386487.440 N. 403373.436	3.089								

MANHOLE SCHEDULE

Sheet 1 of 1

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1	94.800		1	1.004	93.087	150	1500	TYPE B
E. 386474.819 N. 403395.541	1.563							
F2	94.950		1	1.003	93.252	150	1200	TYPE B
E. 386476.671 N. 403400.944	1.548							
F3	94.450		1	1.002	93.320	150	1200	TYPE C
E. 386467.893 N. 403406.258	0.980							
F4	94.442		1	1.001	93.385	150	1200	TYPE C
E. 386459.981 N. 403411.853	0.907							
F5	95.046		1	1.000	93.492	150	1200	TYPE C
E. 386449.935 N. 403424.711	1.404							
F6	96.972						1200	TYPE B
E. 386433.471 N. 403448.115	1.522							

GENERAL NOTES

- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
- ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DCG AND UNITED UTILITIES DETAILS & GUIDELINES.
- THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150MM.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES.
- THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0M FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5M FROM KERB LINES.
- EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES.
- ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS).
- ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NWSO OR THE NETWORK OPERATOR AS APPLICABLE.
- WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
- A CLASS 5 BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL. ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL 4.3.4. 12 SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
- DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110MM U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

FOUL

HEAD RUN

ELSEWHERE

1 IN 40

1 IN 80

1 IN 60

1 IN 100
- POLYPROPYLENE INSPECTION CHAMBERS TO BE PROVIDED TO ALL PRIVATE DRAINAGE LESS THAN 1.10m DEEP. WHERE PRIVATE DRAINAGE RUNS ARE DEEPER THAN 1.10m, REDUCED ACCESS CHAMBERS TO BE PROVIDED.
- WHEREVER PLASTIC PIPE IS TO BE USED FOR THE CONSTRUCTION OF ADOPTABLE DRAINAGE, STRUCTURED WALL PLASTIC PIPES MUST BE USED WHICH MUST COMPLY WITH BS EN 13476-1 AND WS 4-35-01.

P04	06.03.2025	AMENDED TO SUIT UU COMMENTS	JPR	JCM	JCM
P03	14.02.2025	AMENDED FOLLOWING MEETING WITH UU	JPR	JCM	JCM
P02	17.01.2025	UPDATED TO SUIT LATEST DRAINAGE LAYOUT	JPR	JCM	JCM
P01	22.01.2024	PRELIMINARY ISSUE	JPR	JCM	JCM
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS:

PRELIMINARY

CLIENT:

GUINNESS PARTNERSHIPS

ARCHITECT:

JOHN MCCALL ARCHITECTS

PROJECT:

WHITEMOSS ROAD
MANCHESTER

TITLE:

S104 MANHOLE SCHEDULES

STATUS:

P04

PROJECT No:

223-009

PROJECT

ORIGINATOR

VOLU/SYS

LEVEL

TYPE

ROLE

DRAWING No

REV:

WMR - AJP - ZZ - 00 - DR - C - 1010

P04

SCALE @ A1:

DESIGNED:

DRAWN:

CHECKED:

APPROVED:

DATE:

NTS

JPR

JPR

JCM

JCM

JAN 2024

AJP

consulting engineers

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