

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.00	70.230							
E. 381832.680	0.880					450	D	B125
N. 385575.157			0	1.000	69.200	150		
F1.01	70.180		1	1.000	68.982	150		
E. 381825.654	1.048					1200	C	B125
N. 385558.866			0	1.001	68.982	150		
F1.02	70.160		1	1.001	68.920	150		
E. 381822.534	1.090					450	D	B125
N. 385550.367			0	1.002	68.920	150		
F1.03	70.260		1	1.002	68.701	150		
E. 381852.558	1.409					450	D	B125
N. 385537.164			0	1.003	68.701	150		
F1.04	70.190		1	1.003	68.642	150		
E. 381861.414	1.398					450	D	B125
N. 385537.835			0	1.004	68.642	150		
F1.05	70.300							
E. 381849.398	0.850					450	D	B125
N. 385558.850			0	2.000	69.300	150		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.06	70.300		1	2.000	69.180	150		
E. 381846.037	0.970					450	D	B125
N. 385549.838			0	2.001	69.180	150		
F1.08	70.300		1	3.000	69.275	150		
E. 381856.636	0.875					450	D	B125
N. 385552.867			0	3.001	69.275	150		
F1.10	70.300		1	4.000	69.246	150		
E. 381862.772	0.904					450	D	B125
N. 385550.222			0	4.001	69.246	150		
F1.11	70.300		1	4.001	69.207	150		
E. 381859.885	0.944		2	3.001	69.206	150		
N. 385551.468			0	3.002	69.206	150		
F1.12	70.300		1	3.002	69.023	150		
E. 381857.385	1.127		2	2.001	69.023	150		
N. 385544.405			0	2.002	69.023	150		
F1.13	70.260		1	2.002	68.615	150		
E. 381863.432	1.495		2	1.004	68.616	150		
N. 385541.253			0	1.005	68.540	225		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.14	70.320							
E. 381866.950	1.370					450	D	B125
N. 385542.057			0	-	68.800	150		
F1.15	70.320							
E. 381872.705	1.370					450	D	B125
N. 385539.576			0	-	68.800	150		
F1.16	70.300							
E. 381876.699	1.350					450	D	B125
N. 385537.855			0	-	68.800	150		
F1.17	70.300							
E. 381878.198	1.350					450	D	B125
N. 385537.207			0	-	68.800	150		
F1.18	70.280							
E. 381887.535	1.330					450	D	B125
N. 385533.183			0	-	68.800	150		
F1.19	70.280							
E. 381889.962	1.330					450	D	B125
N. 385532.136			0	-	68.800	150		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1.20	70.330		1	1.008	68.300	225		
E. 381896.700	2.081					600	D	B125
N. 385527.610			0	1.009	68.024	225		
F1.21	70.490		1	1.009	67.975	225		
E. 381903.420	2.290					1200 x 675	F	B125
N. 385524.708			0	1.010	67.975	225		

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NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
- ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
- BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINS, SEWERS, INSPECTIONS CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON THIS DRAWING.
- ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
- CLASS 2 CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 1.2m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
- CONNECTIONS TO EXISTING PUBLIC SEWERS IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS. TO BE APPROVED / AGREED WITH THE WATER AUTHORITY.
- PROPOSED COVER LEVELS ARE APPROXIMATE AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
- ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND SEWERS FOR ADOPTION 7th EDITION.
- ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESS MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.
- FOR SETTING OUT DIMENSIONS OF S.S.'S, SWP'S, FLOOR GULLY'S & OTHER DRAINAGE POP UP LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
- ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE ON THE MEP DRAWINGS. ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.
- ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT/LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
- AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND RODDING ACCESS.
- ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
- CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
- WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
- ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.

P02	08.07.25	UPDATED TO SUIT LAYOUT	ARJ	PAW
P01	16.06.25	DRAFT STAGE 4 ISSUE	ARJ	PAW
REV	DATE	DETAILS	DRN	CHK

DRAWING STATUS
PRELIMINARY

RIBA STAGE
STAGE 4



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DRAWN ARJ	DATE SEPT 24	SCALES NTS
CHECKED MN	DATE SEPT 24	THE ABOVE SCALES APPLY WHEN PLOTTED AT 1:1 SIZE --DO NOT SCALE--
APPRVD. MN	DATE SEPT 24	EMAIL FOR DRAWINGS info@rococonsulting.com

CLIENT
MANCHESTER AIRPORT GROUP

PROJECT TITLE
**PLOT H5 PREMIER INN
AIRPORT CITY**

DRAWING TITLE
**FOUL WATER
MANHOLE SCHEDULES**

DRAWING No. H5PI/ROC/PI/XX/DR/C/0507	REV. P02
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