

LEGEND:

- PROPOSED SURFACE WATER DRAINAGE
- C1.0 BD=BACKDROP — PROPOSED COMBINED DRAINAGE AND MANHOLE WITH REFERENCE
- F1.0 BD=BACKDROP — PROPOSED FOUL WATER DRAINAGE AND MANHOLE WITH REFERENCE
- FG — PROPOSED FLOOR GULLY
- SVP — PROPOSED SOIL VENT PIPE
- SVP — EXISTING SOIL VENT PIPE
- RWP — EXISTING RAINWATER PIPE & CONNECTION SHOWN INDICATIVELY
- PU — EXISTING PUMP UNIT
- EXISTING SURFACE WATER DRAINAGE
- EX.F1.0 — EXISTING FOUL WATER DRAINAGE
- EX.C1.0 — EXISTING COMBINED WATER DRAINAGE
- EXISTING FOUL WATER DRAINAGE TO BE ABANDONED
- EXISTING SURFACE WATER DRAINAGE TO BE ABANDONED
- EXISTING RISING MAIN
- EXISTING COLUMNS / STEELWORK
- CONTRACTOR TO CONFIRM LOCATION / LEVEL / PRESENCE
- REV 01 — DESIGN REVISION

DRAINAGE NOTES:

1. PRIOR TO THE COMMENCEMENT OF WORK THE LOCATION, SIZE AND DEPTH OF ALL EXISTING DRAINS/SEWERS AND SERVICES SHALL BE ESTABLISHED BY THE CONTRACTOR. ANY DISCREPANCIES FROM THE INFORMATION INDICATED ON THESE DRAWINGS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER.
2. ALL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH BS EN 752 DRAINS AND SEWERS OUTSIDE BUILDINGS, THE CURRENT BUILDING REGULATIONS AND TO THE SATISFACTION OF THE WATER AUTHORITY / BUILDING CONTROL OR SPECIFIC REQUIREMENTS OF THE CLIENT IF APPLICABLE.
3. ANY DRAINAGE TO BE PUT FORWARD FOR ADOPTION SHALL BE CONSTRUCTED TO "SEWERS FOR ADOPTION" AND ANY SPECIFIC REQUIREMENTS OF THE ADOPTING AUTHORITY.
4. ALL PIPES SHALL BE LAID SOFFITS LEVEL AND ALL MANHOLE/INSPECTION CHAMBER INVERT LEVELS SHOWN ARE FOR THE OUTLET PIPE (UNLESS SPECIFICALLY NOTED OTHERWISE). PIPE RUNS SHALL BE LAID TO THE LEVELS INDICATED AND ALL PIPE GRADIENTS ARE APPROXIMATE.
5. THE CONTRACTOR SHALL ALLOW FOR ALL RELEVANT APPROVALS FROM THE RELEVANT AUTHORITIES WHEN WORKING WITHIN THE PUBLIC HIGHWAY AND ON ADOPTED SEWER SYSTEMS.
6. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND DIVERSION WORKS AS NECESSARY, TO ALL EXISTING SERVICES TO THE SATISFACTION OF THE PUBLIC UTILITIES.
7. THE CONTRACTOR SHALL ALLOW FOR DEALING WITH SURFACE WATER RUNOFF INTO EXCAVATIONS AND FROM GROUNDWATER BY MEANS OF SUMPS, PUMPING AND DE-WATERING AS APPROPRIATE IN ORDER TO KEEP THE EXCAVATION AS DRY AS REASONABLY PRACTICABLE DURING THE CONSTRUCTION OF THE WORKS. DEWATERING SHALL BE UNDERTAKEN IN STRICT ACCORDANCE WITH THE SPECIFICATION.
8. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS IN LINE WITH CURRENT LEGISLATION WHEN WORKING IN/NEAR CONFINED SPACES, DEEP EXCAVATIONS AND UTILITIES.
9. UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL CLEAN ALL DRAINAGE BY JETTING, REMOVING ALL DEBRIS FROM SITE. NO DEBRIS SHALL BE PERMITTED TO ENTER THE PUBLIC DRAINAGE SYSTEM, WATERCOURSE OR OFFSITE DISCHARGE NETWORK. ALL DRAINS SHALL BE CCTV SURVEYED WITH THE RECORD INFORMATION (INCLUDING VIDEO FOOTAGE) BEING PASSED TO THE ENGINEER FOR REVIEW.
10. LOCATIONS OF GULLIES, RAINWATER PIPES, CHANNEL OUTLETS AND SOIL VENT PIPES SHOWN INDICATIVELY. REFER TO ARCHITECTS' DRAWINGS FOR CONFIRMATION OF EXACT LOCATIONS.
11. LEVELS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO SITE ADJUSTMENT TO SUIT FINAL EXTERNAL WORKS LEVELS.
12. ALL PROPRIETARY PRODUCTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS' SPECIFIC REQUIREMENTS AND SPECIFICATIONS.
13. ALL EXISTING DRAINAGE INFRASTRUCTURE NOT REQUIRED AS PART OF THE FINAL DRAINAGE SYSTEM IS TO BE GRUBBED UP AND REMOVED FROM SITE OR GROUTED UP AS DIRECTED BY THE ENGINEER.
14. ALL EXTERNAL GULLY, FLOOR GULLY AND BELOW GROUND RWP CONNECTIONS TO BE 150mmØ UNLESS OTHERWISE STATED.
15. ALL BELOW GROUND DRAINAGE TO BE 150mmØ UNLESS OTHERWISE STATED.
16. ABOVE GROUND RODDING POINTS MUST BE PROVIDED TO FOUL STACKS AND RAINWATER DOWNPIPES WHICH DO NOT CONNECT DIRECTLY TO A MANHOLE. ALL RODDING POINTS MUST BE PROVIDED WITH ACCESS PANELS.
17. ALL INTERNAL MANHOLES SHALL BE PROVIDED WITH DOUBLE SEALED MECHANICALLY FIXED MANHOLE COVERS IN ACCORDANCE WITH BUILDING REG'S PART H.
18. UTILITIES LOCATIONS / ROUTES SHOWN INDICATIVELY. REFER TO CONSTRAINTS PLAN / UTILITIES SURVEY INFORMATION FOR MORE DETAIL.
19. FOR LOCATIONS OF PROPOSED UTILITIES AND SERVICE TRENCHES REFER TO MEP DRAWINGS AND SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

20. FOR SPECIFICATIONS OF INTERNAL MANHOLE COVERS REFER TO ARCHITECT REQUIREMENTS.
21. WHERE INFILL MANHOLE COVERS ARE SPECIFIED THE LOCATION OF MANHOLES AND ORIENTATION OF THE COVERS SHALL BE COORDINATED ON SITE TO SUIT THE SURFACING MATERIAL AND PAVING ARRANGEMENT WHEREVER POSSIBLE.
22. EXISTING MANHOLE COVERS ARE TO BE RETAINED SUBJECT TO ARCHITECT CONFIRMATION.
23. IF MANHOLE COVERS ARE TO BE REPLACED COVER DIMENSIONS ARE TO MATCH THE EXISTING AS A MINIMUM.

SUBJECT TO DETAILED DESIGN AND APPROVAL OF THE LOCAL AUTHORITY, BUILDING CONTROL & THE WATER AUTHORITY

EXISTING SURFACE WATER (ROOF DRAINAGE) STRATEGY TO RETAINED

RAINWATER PIPE LOCATIONS & CONNECTIVITY TBC ON SITE

DIMENSIONS OF EXISTING FOUNDATIONS CURRENTLY UNKNOWN. CONTRACTOR TO COORDINATE PROPOSED DRAINAGE RUNS ON SITE TO AVOID FOUNDATIONS

CONTRACTOR TO CONFIRM DEPTHS OF EXISTING DRAINAGE FOR PROPOSED CONNECTIONS PRIOR TO INSTALLATION OF PROPOSED DRAINAGE CONNECTIONS

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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION:
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO EXISTING / LIVE SERVICES
- WORKS WITHIN GRADE II LISTED BUILDING

MAINTENANCE/CLEANING/OPERATION:
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO EXISTING / LIVE SERVICES

DECOMMISSIONING/DEMOLITION:
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO EXISTING / LIVE SERVICES
- WORKS WITHIN GRADE II LISTED BUILDING

Notes

1. THE DESIGN OF THIS SCHEME HAS BEEN BASED ON THE FOLLOWING DRAWINGS AND INFORMATION:
   - MEP DRAWINGS - THE ANSLOW PARTNERSHIP CONSULTING ENGINEERS:
     DRAWING No. 216037/PH/4201 REV T1 DATED RECEIVED 07.02.2017, TITLE PUBLIC HEALTH SERVICES, GROUND FLOOR WASTE DRAINAGE SERVICES LAYOUT
   - ARCHITECT'S DRAWINGS - ARCHER HUMPHRYES ARCHITECTS; DRAWING No. AHA/PL/C/GA/100 DATED 23.12.2016. TITLE PROPOSED GROUND FLOOR PLAN
     DRAWING No. AHA/PL/CS/T/003 REV A DATED RECEIVED 05.01.2017. TITLE SITE ARRANGEMENT PLAN
   - OTHER DRAWINGS AND INFORMATION: IN BACKGROUND OF ABOVE ARCHITECTS DRAWING:
     - EXISTING DRAINAGE SURVEY - SUB GROUP LTD: DRAWING TITLE The Place Manchester Drainage Plan DATED 14.11.2016
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
3. FOR PIPE DIAMETERS REFER TO MANHOLE SCHEDULE DRAWING C330.
4. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS IN LINE WITH CURRENT LEGISLATION WHEN WORKING IN / NEAR CONFINED SPACES, DEEP EXCAVATIONS AND UTILITIES.

HAZARD WARNING:

Danger Asbestos

THE CONTRACTOR SHOULD BE AWARE THAT ASBESTOS ENCLOSED WITHIN LAGGING HAS BEEN RECORDED WITHIN A ROOM IN THE GROUND FLOOR DURING THE INTERNAL ASBESTOS SURVEY. REFER TO THE ASBESTOS SURVEY REPORT BY RP&P ASBESTOS SERVICES ISSUED 23 DECEMBER 2016 FOR MORE INFORMATION

HAZARD WARNING:

CONTRACTOR TO BE AWARE THAT THE SITE IS CROSSED WITH EXISTING UTILITIES INCLUDING:

- HIGH & LOW VOLTAGE ELECTRICITY
- GAS
- WATER SUPPLY
- FOUL, SURFACE AND COMBINED DRAINAGE
- TELECOMMUNICATIONS

REFER TO SURVEY OPERATIONS INTERNAL BUILDING SURVEY, CCTV DRAINAGE SURVEY AND EXISTING UTILITIES RECORDS FOR MORE INFORMATION

Rev	Description	Date	Drn	Chk'd
01	STAGE 4 ISSUE - UPDATED	07.02.17	TFV	PJL
00	STAGE 4 ISSUE	12.01.17	VW	PJL

STAGE 4

Status of drawing

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Architect: ARCHER HUMPHRYES ARCHITECTS
Project: The Place
Drg Title: Civil Infrastructure
Drainage General Arrangement

Job No. 035230
Scales@A0 1:100
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Revision 01

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