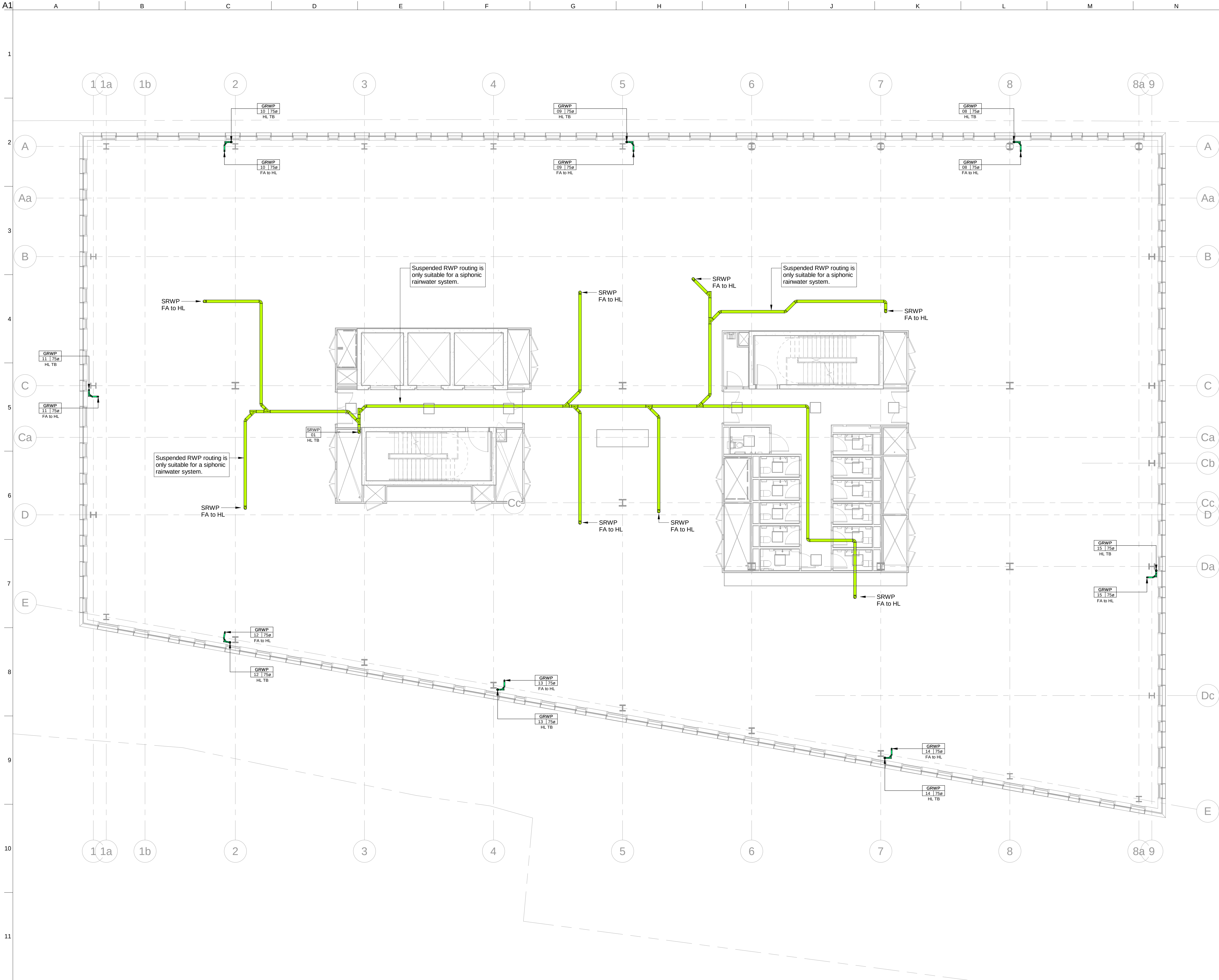




- Notes**
1. This drawing shall be read in conjunction with all other relevant drawings, details, specifications and reports.
 2. All dimensions illustrated are in mm, unless otherwise stated.
 3. Do not scale from this drawing.

- Legend**
- SRWP Siphonic Rainwater Pipe
 - GRWP Gravity Rainwater Pipe
 - Siphonic Rainwater Roof Outlet

P2	22/04/22	CW	GW	ML
Issued for Work Stage 4				
P1	21/02/20	CW	GW	ML
Issued for Work Stage 4				
Rev	Date	By	Chkd	Appd

ARUP

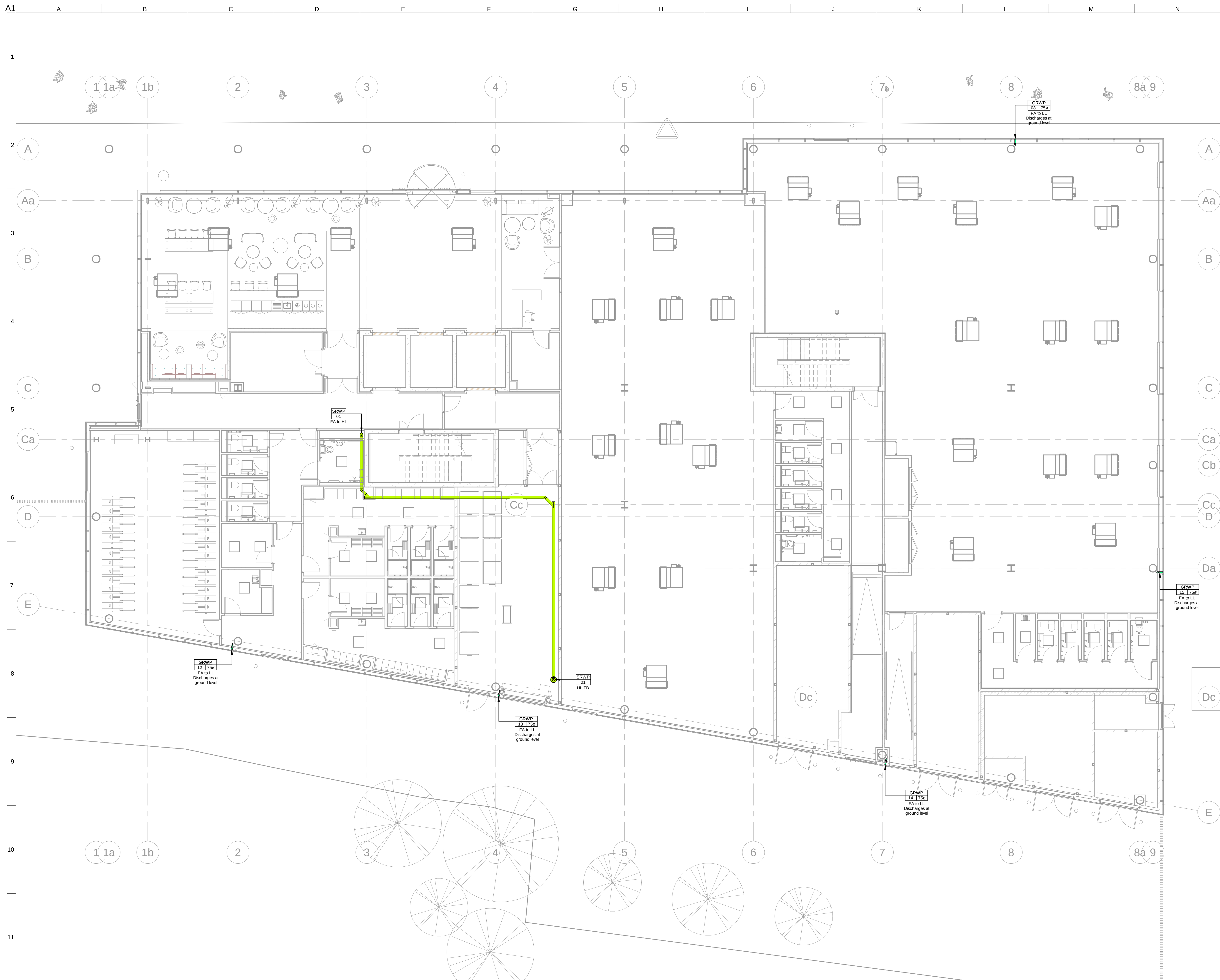
6th Floor, 3 Piccadilly Place
Manchester M1 3BN
Tel+44(0)161 228 2331 Fax+44(0)161 228 6879
www.arup.com

Client
Citylabs 4.0 Ltd

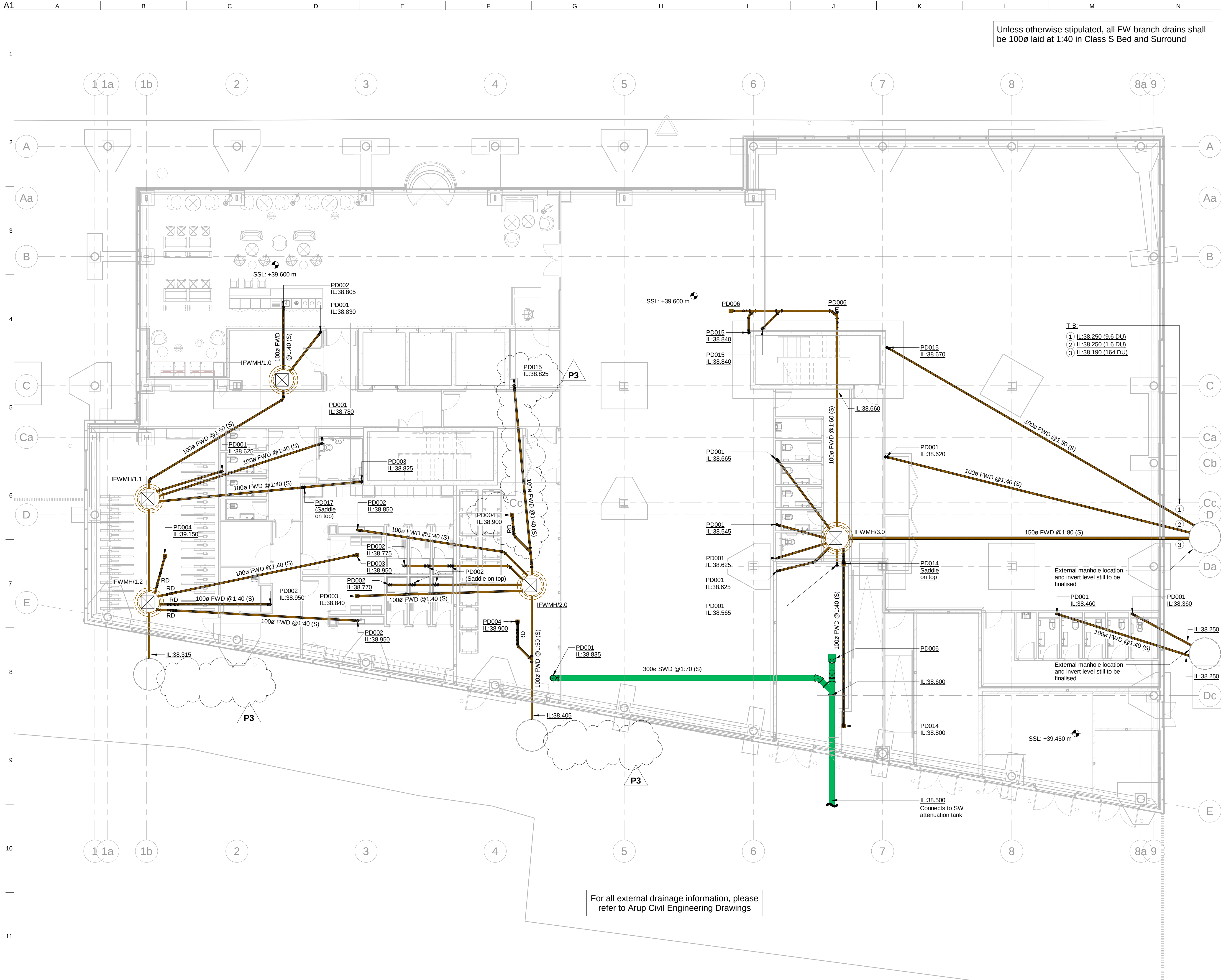
Project Title
Citylabs 4.0

Drawing Title
Above Ground Rainwater Disposal
Layout
Sixth Floor

Scale at A1	1 : 100
Role	Public Health
Suitability	Preliminary
Arup Job No	Rev
267661	P2
Name	
CLAB-ARUP-04-06-DR-P-5504	



Notes



Unless otherwise stipulated, all FW branch drains shall be 100mm laid at 1:40 in Class S Bed and Surround

- Notes**
1. This drawing shall be read in conjunction with all other relevant drawings and documents.
 2. This drawing is to be read in conjunction with the health and safety plan and hazard register.
 3. All dimensions illustrated are in mm, all levels in mAOD unless specified otherwise.
 4. Whilst every effort has been made to record the services on the site, unknown services may be located within the excavation area. Before works commence on site the Contractor is to carry out a full investigation to determine the location or underground services using ground penetrating radar and a CAT scan. Appropriate procedures shall be taken to avoid risk of electrocution.
 5. Unless otherwise stipulated, all FW branch drains shall be 100mm laid at a gradient of 1/40.
 6. Refer to Below Ground Drainage Materials and Workmanship Specification for confirmation of all pipework and fittings specifications.
 7. Refer to drainage detail sheets for confirmation of all drainage connection arrangements.
 8. All drain pipe sizes illustrated on the General Arrangement drawing are nominal bore.
 9. The Contractor shall ensure that all drainage components are stored on site and installed in conjunction with the specified manufacturers requirements.
 10. For confirmation of drainage pipework and manhole testing requirements, please refer to Arup Below Ground Drainage Materials and Workmanship Specification.
 11. For all external drainage information please refer to Arup Civil Engineering Drawings, Details and Specifications.
 12. All below slab drainage pipework and fittings shall be obtained from one manufacturer only. Joints shall be made using gaskets supplied by the pipework manufacturer only.
 13. All drainage ring seal adaptors shall be specified so they do not degrade when coming into contact with the drainage discharge that passes through the pipe or external ground conditions.
 14. All pipes and duct ends shall be temporarily plugged with proprietary seals/end caps supplied by the pipework manufacturer.
 15. Expansion couplings within drainage pipelines shall be installed in accordance with the specified pipework manufacturers requirements.
 16. Where drains pass through structures a flexible joint shall be positioned 150mm and 750mm from the face of the structure.

Legend

- FWD Foul Water Drain
- SWD Surface Water Drain
- FWMH Foul Water Manhole
- SWMH Surface Water Manhole
- BD Backdrop
- RD Ramp drop
- ?@ ?WD @ 1:XX (?) Bedding Type
- Drain Gradient
- Drainage Network Foul Water or Surface Water
- Drainage pipe size (nominal bore)

P3	22/04/22	CW	GW	ML
Issued for Work Stage 4				
P2	21/02/20	CW	GW	ML
Issued for Work Stage 4				
P1	18/10/19	SM	GW	ML
Issued for Work Stage 3				
Rev	Date	By	Chkd	Appd

ARUP

6th Floor, 3 Piccadilly Place
Manchester M1 3BN
Tel+44(0)161 228 2331 Fax+44(0)161 228 6879
www.arup.com

Client
Citylabs 4.0 Ltd

Project Title
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Drawing Title
Below Ground Drainage
Layout
Ground Floor

Scale at A1	NTS
Role	Public Health
Suitability	Preliminary
Arup Job No	267661
Name	CLAB-ARUP-04-GF-DR-P-2501
Rev	P3

For all external drainage information, please refer to Arup Civil Engineering Drawings



Notes

1. This drawing shall be read in conjunction with all other relevant drawings, details, specifications and reports.
2. All dimensions illustrated are in mm, unless otherwise stated.
3. Do not scale from this drawing.

- Legend**
- SRWP Siphonic Rainwater Pipe
 - GRWP Gravity Rainwater Pipe
 - SRWO Rainwater Outlet
 - AC Access Cover
 - China Hat Cowl

P2	22/04/22	CW	GW	ML
Issued for Work Stage 4				
P1	21/02/20	CW	GW	ML
Issued for Work Stage 4				
Rev	Date	By	Chkd	Appd

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6th Floor, 3 Piccadilly Place
Manchester M1 3BN
Tel+44(0)161 228 2331 Fax+44(0)161 228 6879
www.arup.com

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Project Title
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Drawing Title
Rainwater Disposal Schematic Sheet 1

Scale at A1	NTS
Role	Public Health
Suitability	Preliminary
Arup Job No 267661	Rev P2
Name CLAB-ARUP-04-ZZ-DR-P-5301	