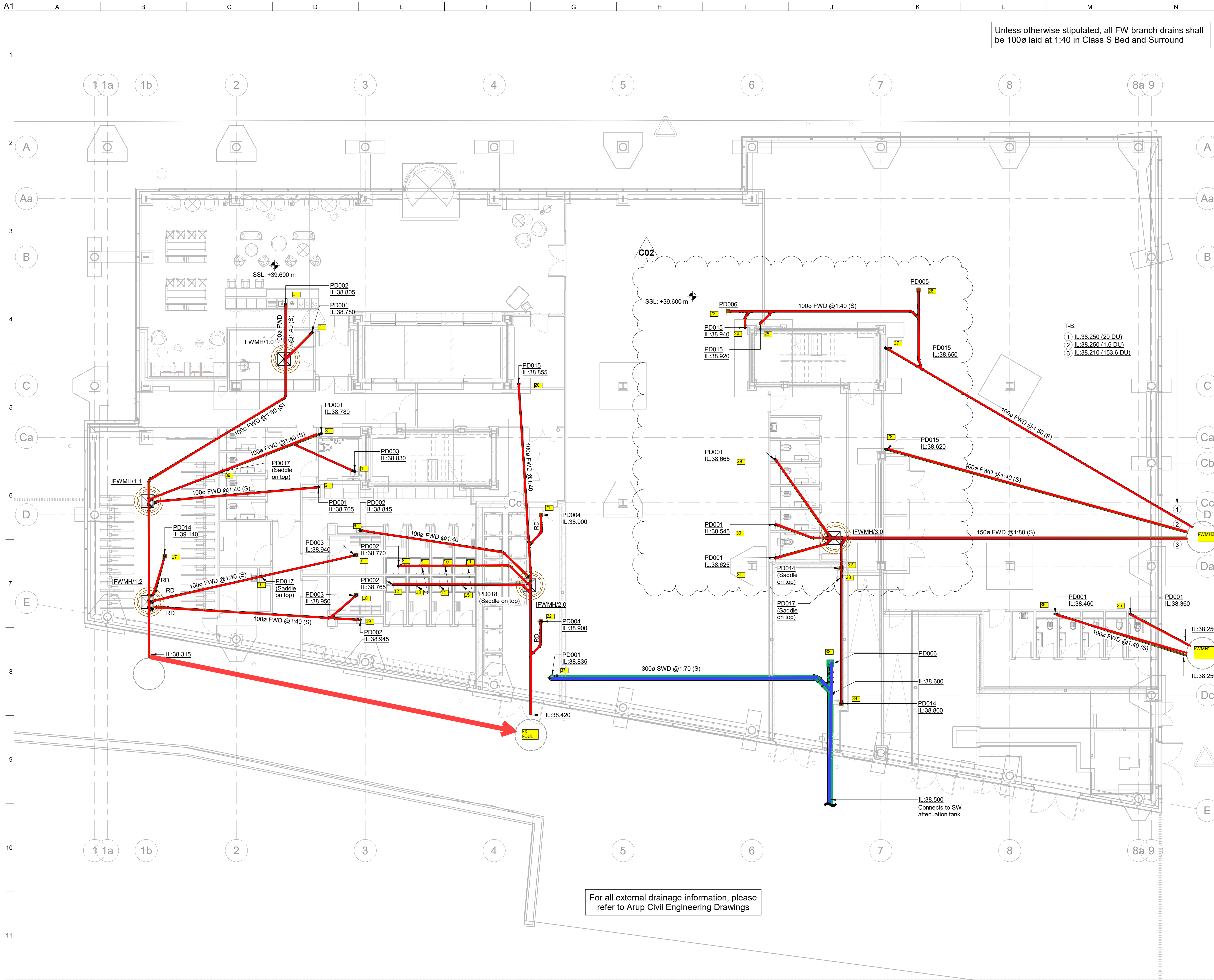




Unless otherwise stipulated, all FW branch drains shall be 100e laid at 1:40 in Class S Bed and Surround

- 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 100e 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  
IFWMH Foul Water Manhole  
SWMH Surface Water Manhole  
BD Backdrop  
RD Ramp drop  
?e ?WD @ 1:XX (?) Bedding Type  
Drain Gradient  
Drainage Network Foul Water or Surface Water  
Drainage pipe size (nominal bore)

|                                                  |          |    |      |      |
|--------------------------------------------------|----------|----|------|------|
| C02                                              | 19/01/24 | MP | GW   | GH   |
| Branch No.2 omitted from IFWMH3.0 and re-routed. |          |    |      |      |
| C01                                              | 01/11/23 | JD | GW   | GH   |
| Issued for Construction                          |          |    |      |      |
| P4                                               | 22/05/23 | JD | GW   | GH   |
| Below slab drainage updates                      |          |    |      |      |
| P3                                               | 22/04/22 | CW | GW   | ML   |
| Issued for Work Stage 4                          |          |    |      |      |
| Rev                                              | Date     | By | Chkd | Appd |

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Client  
**Citylabs 4.0 Ltd**

Project Title  
**Citylabs 4.0**

Drawing Title  
**Below Ground Drainage  
Layout  
Ground Floor**

Scale at A1 NTS  
Role Public Health  
Suitability A1 - Issued for Construction

|                                             |                   |
|---------------------------------------------|-------------------|
| Arup Job No<br><b>267661</b>                | Rev<br><b>C01</b> |
| Name<br><b>L025-ARU-52-01.GF-D-P-002501</b> |                   |