

# Appendix D

Do not scale from this drawing. Refer to figured dimensions only. RIDA Reports Ltd registered in England and Wales No. 10590566. This drawing is copyright of RIDA Reports Ltd.

| Drawing Scale Bar                                  |               |               |               |
|----------------------------------------------------|---------------|---------------|---------------|
| Drawing scale                                      | Line length   | Drawing scale | Line length   |
| 1:5                                                | = 0.25 metres | 1:200         | = 10.0 metres |
| 1:10                                               | = 0.5 metres  | 1:250         | = 12.5 metres |
| 1:20                                               | = 1.0 metres  | 1:500         | = 25.0 metres |
| 1:25                                               | = 1.25 metres | 1:1000        | = 50.0 metres |
| 1:50                                               | = 2.5 metres  | 1:1250        | = 62.5 metres |
| 1:100                                              | = 5.0 metres  | 1:2500        | = 125 metres  |
| Measure length of line above for checking of scale |               |               |               |

#### GENERAL NOTES

- All dimensions are in millimetres and levels in m AOD unless stated otherwise.
- Do not scale. If in any doubt, consult Engineer.
- Read in conjunction with the architects and engineers schedule drawings.
- Check inverts and sizes of existing pipes prior to the commencement of any work. Report any discrepancies to the engineer and await instructions.
- The location of services is shown as indicative. This drawing should be read in conjunction with the utilities drawings. No warranty to their accuracy can be given. The contractor shall take all necessary measures to satisfy himself as to the location of the existing services and connection points. Excavation should be undertaken in compliance with HSG47.
- Concrete structures design sulphate class and ACEC concrete class unknown.
- Pipework to be 110mm Thermoplastics U-PVC (Polypipe or similar) installed at levels marked on this drawing UNO. Pipe bedding should be class Z in pipes within 1.5m of the building or shallower than 700mm below ground level. For all other areas the pipe bedding should be class S.
- Joints and fittings for gravity sewers shall comply with the relevant provisions of BS EN 1401-1, BS EN 1852 and BS EN 12666-1. Pipes shall have a limit of 6% deformation. Pipes shall be SN8 ring stiffness and stamped accordingly. Pipe sections shall not be longer than 3m.
- Plastic chambers and rings, including demarcation chambers, shall comply with BS EN 3598-1 or BS EN 13598-2 as appropriate.
- Inspection chamber covers and frames shall comply with the relevant provisions of BS EN 124 and should be double sealed.
- All inspection chamber covers shall be the non-ventilating type and shall have closed keyways.
- Testing of pipelines should be as follows:  
Gravity Pipework: Air pipe testing. Pipework should withstand a pressure of 100mm water gauge and this should not fall by more than 25mm in a 5minute period. However where traps or gullies are connected they should withstand a pressure of 50mm water gauge and this should not fall by more than 12mm in a 5minute period. It is recommended that pipework installations are tested in sections rather than waiting to complete in one operation.
- Manhole covers to be set square to the building. Covers of existing manholes to be adjusted to match final ground levels.
- Granular Bedding for pipes shall be constructed by spreading and compacting granular bedding material over the full width of the pipe trench. After the pipes have been laid, additional granular material shall, if required, be placed and compacted equally on each side of the pipes and, where practicable, this shall be done in sequence with the removal of the trench supports.

#### KEY

- Proposed Surface Water Sewer Pipe
- Exceedance Flows
- Permeable Surface as per architect's details Sub-base 350mm Type 3 Minimum. Detailed desing by suppliers
- Silt Trap
- Check Dam within the sub-base

|     |                 |            |    |     |
|-----|-----------------|------------|----|-----|
| 3   | Updated Design  | 09.04.2024 | MM | ARD |
| 2   | Updated Layouts | 21.10.2023 | MM | ARD |
| Rev | Details         | Date       | By | Ctd |

Drawing Status: **PRELIMINARY**



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Project:

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Drawing:

Proposed Drainage Strategy

| Print Size: | Scale: | Project No: | Drawing No: | Revision: |
|-------------|--------|-------------|-------------|-----------|
| A1          | 1:200  | 0270        | 003         | P3        |

