

| Surface Water Manhole Schedule |                 |                  |                     |                             |                                                                                        |                  |            |
|--------------------------------|-----------------|------------------|---------------------|-----------------------------|----------------------------------------------------------------------------------------|------------------|------------|
| Structure Name                 | Cover Level (m) | Invert Level (m) | Depth to Invert (m) | Outgoing Pipe Diameter (mm) | Manhole Type                                                                           | Chamber Diameter | Cover Type |
| 01                             | 105.650         | 105.068          | 0.581               | 150                         | Type F                                                                                 | 1200             | D400       |
| 02                             | 105.812         | 104.995          | 0.817               | 225                         | Type F                                                                                 | 1200             | D400       |
| 03                             | 105.230         | 104.637          | 0.593               | 225                         | Type F                                                                                 | 1200             | D400       |
| 04                             | 105.090         | 104.507          | 0.582               | 225                         | Type F                                                                                 | 1200             | D400       |
| 05                             | 105.286         | 104.704          | 0.582               | 225                         | Type F                                                                                 | 1200             | D400       |
| 06                             | 105.413         | 104.657          | 0.756               | 225                         | Type F                                                                                 | 1200             | D400       |
| 07                             | 105.213         | 104.591          | 0.622               | 225                         | Type F                                                                                 | 1200             | D400       |
| 08                             | 105.120         | 104.499          | 0.621               | 225                         | Type F                                                                                 | 1200             | D400       |
| 09                             | 105.019         | 104.437          | 0.582               | 225                         | Type F                                                                                 | 1200             | D400       |
| 10                             | 105.028         | 104.432          | 0.595               | 300                         | Type F                                                                                 | 1200             | D400       |
| 11                             | 105.490         | 104.908          | 0.582               | 225                         | Type F                                                                                 | 1200             | D400       |
| 12                             | 105.311         | 104.523          | 0.787               | 225                         | Type F                                                                                 | 1200             | D400       |
| 13                             | 105.061         | 104.473          | 0.588               | 225                         | Type F                                                                                 | 1200             | D400       |
| 14                             | 105.036         | 104.416          | 0.621               | 375                         | Type F                                                                                 | 1350             | D400       |
| 15                             | 104.963         | 104.406          | 0.557               | 225                         | Type F                                                                                 | 1200             | D400       |
| 16                             | 104.995         | 104.359          | 0.636               | 225                         | Type F                                                                                 | 1200             | D400       |
| 17                             | 105.047         | 104.262          | 0.785               | 375                         | Type F                                                                                 | 1350             | D400       |
| 18                             | 105.016         | 104.023          | 0.993               | 375                         | Type F                                                                                 | 1350             | D400       |
| 20                             | 105.062         | 101.870          | 3.192               | 375                         | Type B                                                                                 | 1350             | D400       |
| 21                             | 104.990         | 104.235          | 0.755               | 150                         | PPIC                                                                                   | 450              | D400       |
| 22                             | 105.027         | 104.159          | 0.868               | 150                         | PPIC                                                                                   | 450              | D400       |
| 23                             | 105.021         | 103.349          | 1.672               | 300                         | Type B                                                                                 | 1200             | D400       |
| 24                             | 104.936         | 103.260          | 1.677               | 300                         | Type B                                                                                 | 1200             | D400       |
| 25                             | 104.936         | 101.400          | 3.536               | 150                         | Type A<br>Reconstruct existing manhole including Hydrobrake MD-SHE-0194-2250-2000-2250 | 1200             | D400       |

| Foul Water Manhole Schedule |                 |                  |                     |                             |                                           |                  |            |
|-----------------------------|-----------------|------------------|---------------------|-----------------------------|-------------------------------------------|------------------|------------|
| Structure Name              | Cover Level (m) | Invert Level (m) | Depth to Invert (m) | Outgoing Pipe Diameter (mm) | Manhole Type                              | Chamber Diameter | Cover Type |
| FWMHA                       | 105.049         | 103.855          | 1.195               | 100                         | Type E                                    | 1350             | D400       |
| FWMHB                       | 105.050         | 103.803          | 1.247               | 100                         | Type E                                    | 1350             | D400       |
| FWMHC                       | 104.878         | 103.594          | 1.284               | 100                         | Type E                                    | 1350             | D400       |
| FWMHD                       | 104.817         | 103.524          | 1.292               | 150                         | Type E                                    | 1350             | D400       |
| FWMHE                       | 104.884         | 103.386          | 1.498               |                             | Type B<br>Constructed over existing drain | 1200             | D400       |

GENERAL

- All drawings to be read in conjunction with the specification
- All drawings to be read in conjunction with the relevant architectural and structural drawings.
- All dimensions are in millimetres unless noted otherwise.
- All levels are in metres relative to ordnance datum.
- All dimensions are to be checked on site by the contractor prior to the commencement of construction

DRAINAGE

- This drawing uses the architectural drawing as a background. The contractor should use architectural drawings for setting out of all pop-ups and above ground drainage positions.
- Reference should be made to all other drainage drawings provided by SWF Consulting which gives construction details.
- This drawing is to be read in conjunction with the drainage specification prepared for this project.
- The design of the pipes has been based on the following:
  - 100Ø foul water pipe: Wavin Osmadrain
  - 150Ø or larger foul water pipe: Wavin Ultrarib
  - 150Ø or larger surface water pipe: Wavin Twinwall.Alternative products may be used with prior approval from SWF Consulting.
- The exact location of the outfall pipe/manhole is to be checked and confirmed to SWF Consulting prior to commencement of any drainage works.
- Reference should be made to any CCTV survey, sewer records which indicate the existing drainage systems.
- On completion of the contract, the pipes and oil separator shall be jet cleaned to remove any silt or construction debris and a CCTV survey should be undertaken.
- Once the as-built survey has been completed a copy of the survey logs should be issued to SWF Consulting together with the video footage for their comment with duplicate copies being issued to the CDM co-ordinator for inclusion in the health & safety files.
- Cover levels are indicative and may need to be adjusted to suit the actual finished levels of the external areas.
- Gradients indicated on pipes are minimum gradients required. However, manhole invert levels are to take precedence over these gradients.
- Positions of manholes, gullies and drainage are to be set out by the contractor to avoid white lining delineating car parking areas, kerb lines etc.

|                                |             |                       |                                                                                       |
|--------------------------------|-------------|-----------------------|---------------------------------------------------------------------------------------|
|                                |             |                       |                                                                                       |
| P01                            | 23.06.23    | D2: Issued for Tender | DR                                                                                    |
| Rev                            | Date        | Description           | By                                                                                    |
| Client                         |             |                       |                                                                                       |
| ALDI STORES LTD                |             |                       |  |
| Project Title                  |             |                       |                                                                                       |
| 9104 - ALDI STORE              |             |                       |                                                                                       |
| Project Address                |             |                       |                                                                                       |
| VICTORIA AVENUE EAST<br>MOSTON |             |                       |                                                                                       |
| Drawing Title                  |             |                       |                                                                                       |
| DRAINAGE<br>MANHOLE SCHEDULE   |             |                       |                                                                                       |
| Job No.                        | Originator  | Zone                  | Level                                                                                 |
| 79-E1529                       | SWF         | XX                    | XX                                                                                    |
|                                |             |                       | DR                                                                                    |
|                                |             |                       | D                                                                                     |
| System Classification          | Drawing No. | Suitability           | Revision                                                                              |
| PM_40_40                       | 1701        | D2                    | P01                                                                                   |
| Drawn                          | Checked     | Date                  | Scale                                                                                 |
| DR                             | PSS         | JUNE 2023             | N/A                                                                                   |
|                                |             |                       | Size                                                                                  |
|                                |             |                       | A1                                                                                    |

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