

Appendix: Detailed requirements for final adoption

Information requirements

To ensure the works are in accordance with the S104/S185 agreement and any minor or major deviations have been agreed, we will need a CDM File including a full record of construction, this section gives a detailed breakdown of the information requirements which can differ depending on the assets included in the agreement.

For more detail on the information requirements for S104 adoption please refer to the **Sewerage Adoption Code; sector guidance: Appendix D**

Construction Design Manual (CDM) File contents:

The information should be collated and sent digitally to SewerAdoptions@uuplc.co.uk

In accordance with the Construction Design and Management Regulations 2015, the developer should retain a copy of the CDM health and safety file.

Section 1 - Gravity Sewers	
1. CCTV survey	Attached <input type="checkbox"/>
<p>Note: (both visual and commented report) is required, this survey shall be carried out by a qualified and approved contractor, and in accordance with the current edition of "Model Contract Document for Sewer Inspection". Any survey should also include underdrainage pipework associated with SuDS features. An additional light ring survey may be required if the above survey details any deformation which requires further clarity against acceptable tolerances. If any structural defects or excessive deformation is discovered, the developer will be asked to carry out remedial works and provide another CCTV or Light Line survey as evidence the remedial works have been carried out satisfactorily.</p>	
2. Plan view As Built drawing(s)	Attached <input type="checkbox"/>
<p>Note: Drawing should be of suitable scale and contain the following 'as constructed' information;</p> <p>Manhole cover and invert levels</p> <p>Pipe lengths labelled with the diameter, material, gradient and model number</p> <p>Any pipework with concrete protection should be identified</p> <p>Flow controls to be labelled with pass forward flow, design head, orifice size and specification</p> <p>Development boundary edged in solid green and clearly visible</p> <p>Adoptable assets coloured as per Sewerage Sector Guidance (foul: brown, surface water: blue, combined sewers: red & adoptable SuDS components purple)</p> <p>All assets unrelated to the S104 application (private or existing) are coloured black</p> <p>North arrow shown</p> <p>Two street names for reference</p> <p>Relevant dimensioned easements</p> <p>Method of abandonment (where applicable)</p>	
3. Installed flow control Specification (if applicable)	N/A <input type="checkbox"/> Attached <input type="checkbox"/>
<p>Note: including delivery note with site specific address & model number.</p>	
4. Bespoke As-built construction detail(s) (if applicable)	N/A <input type="checkbox"/> Attached <input type="checkbox"/>
<p>Note: Plan & section drawings at a suitable scale for any of the following:</p> <p><input type="checkbox"/> Deep manhole (over 6 m in depth or where an intermediate landing has been installed).</p> <p><input type="checkbox"/> Non-standard construction details (an example would include a design where sewers have been laid on a pile beam solution to deal with settlement).</p> <p><input type="checkbox"/> Attenuation storage tanks/pipework construction details including trench details, jointing details, etc. (including manufacturer information)</p>	
5. Consent to construct the surface water outfall (if applicable)	N/A <input type="checkbox"/> Attached <input type="checkbox"/>
<p>Note: The requirements may be different depending on where surface water is discharged;</p> <p><input type="checkbox"/> 'Main River': EA consent if connection is greater than 300mm diameter.</p> <p><input type="checkbox"/> 'Ordinary watercourse': Land Drainage Consent or relevant correspondence from Lead Local Flood Authority confirming consent is not required.</p> <p><input type="checkbox"/> 'Canals & Rivers Trust' Or 'Privately Owned Canal': Relevant correspondence to confirm consent can be transferred to United Utilities upon adoption at no cost.</p>	
6. Acceptance of any substantial onsite deviations (if applicable)	N/A <input type="checkbox"/> Attached <input type="checkbox"/>
<p>Note: Any correspondence from UU that confirms acceptance of deviations</p>	

Section 2 - SuDS (not applicable for 'private exceedance SuDS')

Applications with SuDS for adoption or 'in-line' private SuDS serving piped sewers will require the following information

1. SuDS Plan view As-built drawing(s) N/A Attached

Note: this can be included in the overall plan view the As-built Drawing(s) or separated; the drawing(s) should be of suitable scale and contain the following 'as constructed' information;

Correct component type labelled (i.e. Attenuation Basin, Pond, conveyance Swale etc.)

Level for; Base, Top of Bank, inlet & outlet inverts (AOD)

Length and width (m) including ratio

Storage volume (m³) – This needs to be verified against initial design.

Area of component (m²)

Slope gradients

Longitudinal fall (where applicable)

2. Photographic Record of construction Attached

Note: photographs of critical construction stages should be provided in digital format, which should as minimum include:

SuDS excavations and general earthworks during construction

Bespoke or complex construction works (Infiltration tank details, liners, membranes, underdrainage etc.)

SuDS component(s) before and after planting is established.

3. Confirmation of SuDS construction materials Attached

Test certificates for any membrane liners from accredited installer (including 3rd party verification)

Product information for any pipe, geocellular product or ancillaries relating to SuDS

4. Planting list N/A Attached

Note: needs to detail specific planting and should be specific to the SuDS feature area only.

5. As-constructed Infiltration system report (if applicable) N/A Attached

Note: Evidence of onsite protection measures which demonstrates how any infiltration component or media have been protected from siltation during construction stage and continued for the maintenance period. (This should be as per the agreed construction method statement but should be updated with photographs of actual practice.)

(The following can be provided during the maintenance period)

6. SuDS management & maintenance document Attached

Note: updated post construction document to contain accurate roles and responsibilities as detailed within the SuDS deed of grant and should be accepted by the local planning authority (LPA). The document must include ownership contact details (local authority or Management Company).

7. SuDS Health and safety risk assessment Attached

Note: Produced for the final constructed SuDS component (will need to be updated if there have been major deviations impacting the design risk assessment).

8. SuDS Maintenance records Attached

Note: records showing all activities undertaken throughout the maintenance period including grass cutting/vegetation/silt removal etc. (as per the management & maintenance document).

Section 3: Surface Water Drainage

How do you propose to drain surface water?	Plot numbers	Total
Infiltration		
Highway Drain		
Waterbody		
Public Sewer		
Other		

Section 4 - Pumping Station

Note: if there is a **Pumping station** we will need the following additional information.

1. Pumping station As-Built

Attached

Note: Drawing to a suitable scale showing general arrangement drawings of the pumping station and the pumping station compound;

2. Pumping station O&M manual

Attached

Note: in accordance with the requirements of Part F of the design and Construction Guidance (DCG);

- Pump Specification
- Details of Valves
- Details of Level Controls (Floats/Ultrasonics)
- Location Plan
- Plan and Section of Wet-Well & Valve Chamber
- Design parameters (Inflow, emergency storage volume, start/stop levels, starts per hour, pumping rate)
- Electrical Diagrams for Control Cabinet

3. Valid Certification

Attached

Note: should have a minimum of 6 months cover (until expiration) at handover stage, of the following:

- NICEIC completion and test certificate
- Davit arm & socket test certificate
- Lifting chain certificates
- ATEX certificate (If Applicable)
- Hazardous area classification drawing if applicable.
- A copy of the telemetry completion certificate from United Utilities System Support (confirming successful telemetry installation)
- Pressure test certificate for the rising main

4. Telephone Bill

Attached

Note: confirming the telephone line servicing the pumping station

5. Electricity Bill

Attached

Note: confirming the MPAN number for the dedicated electricity supply to the pumping station

Section 5 - Other information

1. Service plans

Attached

Note: water, gas, electricity and telecommunication.

2. Ground condition information

Attached

Note: for instances where hazards have not been eliminated in the design and construction processes, explaining how they have been addressed (for example, if there is the presence of contaminated land, asbestos etc.).

About us

United Utilities is the North West's water company. We keep the taps flowing and toilets flushing for seven million customers every day. From Crewe to Carlisle, we work hard behind the scenes to help your life flow smoothly.