

## As-built requirements for sewer adoptions/sewer diversions

'As Built' drawings and manhole record cards (MHRC) should be supplied by the Developer once sewer construction is completed.

The drawings and manhole record cards should be sent electronically and should be submitted in the following way and to the standards set out below.

Please send all information to the Adoption Team mailbox:  
[DeveloperServicesSewerAdoptions@southwestwater.co.uk](mailto:DeveloperServicesSewerAdoptions@southwestwater.co.uk)

### Drawing

All drawing must be labelled 'AS-BUILT'

Scale: 1:200; 1:500; 1:1250  
(*Dependent on size of development appropriate scale to be used*)

Format: 1 x Auto Cad file DWF/DGN and 1 x PDF

The drawing should show detailed layout of:

- Roads
- Gravity sewers
- Pumping stations
- Rising mains

Sewers to be adopted:

- New foul – colour: brown solid line
- New surface water – colour: dark blue solid line
- New rising main – colours as above with direction of flow
- Pipe diameter
- Pipe gradient
- Cover level and invert level for manholes
- Direction of flow
- Pipe materials
- Pipe length to be shown along the entire length
- Private sewers – colour black solid line

For the diversion of public sewers (Section 185 of the Water Industry Act)

- Proposed abandoned public sewers – colour: black solid line with hatching or \\\\\\\
- New combined sewers – colour: red solid line

This information should be shown on the entire length of the adoptable network.

Drawing must also show full details of:

- Existing sewers: colours:
  - *foul: pink dashed*
  - *surface water – blue dashed line*
  - *combined – red dashed line*
  - *rising main – red solid line with indication of direction of flow*
- Road gullies
- Watercourses – colour: light blue
- Existing and proposed buildings
- Easements shown highlighted with a yellow strip

Location of the point of connection to the existing public sewer to be shown on As Built drawing, including extract of existing sewers.

**Pumping station layout**

Scale: 1:50; 1:100

Additional scale as required: 1:200; 1:500; 1:1250

*(Dependent on size of development appropriate scale to be used)*

Drawing

1 x Auto Cad file DWF/DGN and 1 x PDF

**Operation and Maintenance (O&M) Manuals**

Electronic copy

Hard Copy to remain in the kiosk on site

**Manhole Record Sheets or Cards (MHRC)**

A Manhole Record Sheet should be completed for each manhole.

Developers must use South West Water manhole cards. The Manhole Record Cards can be downloaded from our website:

[www.southwestwater.co.uk/developer-services/sewer-services-and-connections/adoption-of-new-sewers-or-pumping-stations](http://www.southwestwater.co.uk/developer-services/sewer-services-and-connections/adoption-of-new-sewers-or-pumping-stations)

You will also be able to view a worked example for information.

Levels should refer to the relevant Ordnance Survey bench marks.