

## Form A1 - Initial Application for:



### Sewer adoption (S104)

### Sewer diversion designed and constructed by you (S185)

## Design and Construction Guidance

---

In order to progress your enquiry, please ensure that this form is completed. Insufficient information will result in delays and difficulties in assessing your proposals.

### APPLICANT / SITE INFORMATION

#### Applicant correspondence address

Are you (please tick all that apply)

The site owner

The developer of the site

A consultant/contractor

*Please specify the developer/house builder which you represent*

Company name

Name

Job title

Property name/number

Street

Village/Town

City/County

Postcode

Contact number

Mobile number

Fax number

Email address

#### Owner details if different from above

Name

Job title

Property name/number

Street

Village/Town

City/County

Postcode

Contact number

Mobile number

Fax number

Email address

#### Site information

Name of site

Property name/number

Street

Village/Town

City/County

Postcode

Site Grid Reference (mid point)

Site name contact

Contact number

Mobile number

Fax number

Email address

Phase number of

No. of dwellings

Commercial: Industrial type

Total number of connections to the public sewer: Foul

Surface water

Combined  
(diversion only)

SWW Pre Planning: Point of connection reference number:

SWW Pre Design Strategic Assessment reference number:

**PLEASE NOTE:**

After 1 October 2020, applications designed to SFA6 / SFA7 will not be accepted as per the Codes for Adoption

**Adoption/diversion information**

Type of sewers to be adopted	Additional assets to be adopted	Type of sewers to be diverted
Foul sewers	Sewage Pump Station	Foul sewers
Surface water sewers	Rising main	Surface water sewers
	SuDS Feature (DCG only)	Combined sewers

Do you require an inspection of sewer construction whilst the review is being carried out? Yes No

Notes: The inspection is only for the construction of new sewers

Payment will be required before inspections can commence

**Mandatory information required for initial review**

Information	Enclosed	N/A
<b>PLANS &amp; SUPPORTING DOCUMENTATION</b>		
Site location plan. (minimum scale of 1:2500)		
S104 layout plan showing all the adoptable drainage <ul style="list-style-type: none"> <li>• All levels related to OS benchmark (Indicating location of OS benchmark used for the survey)</li> <li>• Site boundary (coloured green)</li> <li>• Roads showing extend of proposed adoptable highway</li> <li>• Sewers &amp; laterals for adoption (coloured as per Appendix VA SFA 6<sup>th</sup> Edition)</li> <li>• Pumping stations inc compounds</li> <li>• Rising mains</li> <li>• Protection strip – anywhere other than under adopted highway (coloured yellow)</li> <li>• Existing sewers</li> <li>• Road gullies / highway drains</li> <li>• Watercourses</li> <li>• Site contours</li> <li>• Private drainage</li> <li>• Flood routing</li> <li>• Existing trees &amp; proposed landscaping</li> </ul>		
Adoptable sewer long section for all adoptable sewers <ul style="list-style-type: none"> <li>• Existing levels</li> <li>• Proposed cover and invert levels</li> <li>• Pipe material</li> <li>• Strength</li> <li>• Pipe diameters</li> <li>• Bedding classification &amp; details</li> <li>• Air valves and washouts (rising main/pump station only)</li> </ul>		
Phasing plan and construction programme		
Impermeable Area Plan (showing the areas of contribution for surface water)		
Details of rights to discharge (in case of Surface sewers)		
Flood routing details (Surface Water)		
Ground investigation report		
Designer Risk Assessment		
Construction (Design & Management) Regulation Information (CDM); <b>Principal Designer</b>		
<b>HYDRAULIC DESIGN CALCULATIONS</b>		
Adoptable surface water sewer hydraulic design inc design parameters used		
Adoptable foul sewer hydraulic design inc design parameters used		

<b>CONSTRUCTION</b>	Enclosed	N/A
Manhole construction and pipe bedding details		
Manhole schedule of manholes presented for adoption		
Demarcation chamber construction details		
Head Wall Details (Surface Water)		
Hydro Brake chamber details (Surface Water)		
Debris screen details (Foul and Surface water systems)		
<b>PUMPING STATION INFORMATION (if applicable)</b>		
<ul style="list-style-type: none"> <li>• general arrangements</li> <li>• Site layout showing the site details including:               <ul style="list-style-type: none"> <li>○ locations of the cable ducts and draw pits</li> <li>○ gravity and rising main pipes</li> <li>○ kiosk</li> <li>○ chambers</li> <li>○ nearby housing</li> <li>○ dimensions and online emergency storage tank details</li> <li>○ kiosk schematic and panel wiring</li> <li>○ detailed emergency storage and pump selection calculations including incoming peak flow</li> <li>○ hazardous area (DSEAR/Zoning) drawing</li> <li>○ pump data sheets</li> <li>○ details of access covers</li> </ul> </li> </ul>		

Estimated value of sewerage construction work Including bill of quantities to confirm value		
Estimated value of pumping stations & rising mains Including bill of quantities to confirm value		

<b>SEWER DIVERSION INFORMATION (\$185)</b>	Enclosed	N/A
CCTV of existing sewer showing lateral connections		
Proposal for reinstating lateral drainage connections		
Confirmation of removal of existing sewer		

**Permission must be received before any work or entry is carried out on the public sewer network. I understand that it is an offence to commence work on the public sewer without such permission. Breach of this could result in legal action being taken by South West Water Ltd.**

#### Additional information which must be provided prior to the granting of technical approval

Information required	Enclosed	N/A
Construction (Design & Management) Regulation Information (CDM); <b>Principal Contractor</b>		
Details of land transfers and ownership for all assets subject to adoption		
Planning Approval Document		
F10		
Solicitor and Bondsman details		
Environmental Risk Assessment (If required)		
Tree protection plan (If required)		

### Sustainable Urban Drainage System (SuDS)

As part of the adoption process sufficient information is required to ensure the adequacy of drainage design to ensure compliance with the Design & Construction Guidance and to facilitate updates to the public sewer records, as well as to ensure existing hydraulic sewer models can be updated to include post development drainage design flows and that future maintenance requirements are incorporated into South West Water's asset management systems.

To support these activities, asset data will be required under the following topic areas:

	Enclosed	N/A
<p>An assessment of suitability for infiltration based on soil types and geology, which should account for:</p> <ul style="list-style-type: none"> <li>• The presence of constraints that must be considered prior to planning infiltration SuDS</li> <li>• The drainage potential of the ground</li> <li>• Potential for ground instability when water is infiltrated</li> <li>• Potential for deterioration in groundwater quality as a result of infiltration.</li> <li>• Evidence of infiltration tests, particularly at the location of any intended infiltration device, and groundwater level monitoring.</li> </ul>		
<p>Component:</p> <ul style="list-style-type: none"> <li>• Pond / Wetland</li> <li>• Basin</li> <li>• Soakaway</li> <li>• Geocellular tank</li> <li>• Swale</li> <li>• Rill</li> <li>• Bio retention system</li> <li>• Infiltration trench / filter drains</li> </ul>		
<p>Details of SuDS types and design characteristics:</p> <ul style="list-style-type: none"> <li>• Size</li> <li>• Materials</li> <li>• Geotechnical/hydrogeology characteristics</li> <li>• Construction details</li> </ul>		
<p>Component drawings:</p> <ul style="list-style-type: none"> <li>• Section through drawings</li> <li>• Infiltration test results</li> <li>• Health and Safety file (about ground SuDS only)</li> <li>• Long sections</li> </ul>		
<p>Catchment area plan for the component(s) inc:</p> <ul style="list-style-type: none"> <li>• Asset location</li> <li>• Connectivity</li> <li>• SuDS boundary extents</li> <li>• Access points</li> <li>• Outfalls</li> </ul>		

<ul style="list-style-type: none"> <li>• Easements</li> <li>• Flood areas</li> <li>• Flood exceedance routes and offsite details</li> <li>• Soakaways 5m from other structures of buildings</li> <li>• Site controls with storage location</li> </ul>		
<p>A Detailed SuDS Design Statement covering:</p> <ul style="list-style-type: none"> <li>• Final SuDS to be incorporated and final discharge points where relevant</li> <li>• How the drainage design satisfies SuDS techniques in terms of water quality and attenuation and discharge quantity for the lifetime of the development</li> <li>• Proposals, where relevant, for integrating the drainage system into the landscape or required publicly accessible open space and providing habitat and social enhancement</li> <li>• Calculations showing the pre- and post-development peak runoff flow rate for the critical rainfall event.</li> <li>• Description of overland flow routes and safeguarding of properties from flooding</li> <li>• Management of health and safety risks in relation to feature design.</li> <li>• The process for information delivery and community engagement to relevant stakeholders</li> <li>• System valuation (including capital costs, operation and maintenance costs, cost contributions) and a demonstration of long-term economic viability</li> <li>• Provision of drainage for large storm events, including protection for SuDS systems</li> <li>• Preferred point of connection.</li> <li>• Proposed method of flow control</li> <li>• Reason for changes to any previously submitted drainage scheme</li> </ul>		
<p>Hydraulic design parameters <i>If you have used a hydraulic model in support of your suds application, please provide the model parameter information.</i></p>		
<p>Water quality design criteria and assumptions (where appropriate)</p>		
<p>Amenity / Environmental criteria and assumptions (where SuDS deliver multi-functional benefits)</p>		
<p>Operational and management plan:</p> <ul style="list-style-type: none"> <li>• Details of which body will be responsible for vesting and maintenance for individual aspects of the drainage proposals</li> <li>• A management statement to outline the management goals for the site and required maintenance</li> <li>• Description of maintenance schedule</li> </ul>		
<p>Method Statement detailing how surface water arising during construction will be handled.</p>		

It is recommended that no work should commence on the adoptable sewerage system until South West Water has confirmed compliance with the Design and Construction Guidance.

If construction work does proceed, you do so at your own risk. Alternatively if you have submitted an application to us, please contact us to arrange inspections on a workmanship basis only until technical approval is agreed. Please note that this will require you to make a payment for an estimated value of the inspection fees and an early inspection application form has been submitted.

## Declaration

I/We agree, that for the purpose of the Water Industry Act 1991 and the Data Protection Act 1998, the information provided in this form and in any supporting documents, may be held on a computer and processed by South West Water Ltd and its servants and agents for all purposes connected with the Company's statutory water and sewerage undertakings.

Please complete this section in block capitals

Name

Company

Position held

Signature

Date

Please return to the completed form all all supporting documentation to the Developer Services Sewer Adoption Team.

email: [DeveloperServicesSewerAdoptions@southwestwater.co.uk](mailto:DeveloperServicesSewerAdoptions@southwestwater.co.uk)

or by post

Developer Services - Sewer Adoption Team  
South West Water  
Peninsula House  
Rydon Lane  
Exeter  
EX2 7HR

## Contact us

For more information or assistance, please contact the Developer Services Adoption Team on:

**01392 442831**

8.30am - 5.00pm Monday to Friday.

Minicom users: 0800 169 9965

Email: [DeveloperServicesSewerAdoptions@southwestwater.co.uk](mailto:DeveloperServicesSewerAdoptions@southwestwater.co.uk)