

Sewer Capacity Assessment: Woore NDP

Potential impact of proposed developments on sewerage infrastructure assets

Date 20 July 2018

NOTE: The purpose of these desktop based assessments are to indicate where proposed developments **MAY** have a detrimental impact on the performance of the existing public sewerage network taking into account the size of the development proposals.

For most new development provided the surface water is managed sustainably through use of SuDS the additional foul only flows will have a negligible impact on existing sewer performance but where there are pre-existing capacity constraints additional capacity improvements may be required.

Where subsequent detailed modelling indicates capacity improvements are required such work will be phased to align with development occupancy with capacity improvement works will be funded by Severn Trent Water. However, whilst Severn Trent have a duty to provide additional capacity to accommodate planned development, we also have a requirement to manage our assets efficiently to minimise our customers' bills. Consequently to avoid potential inefficient investment we generally do not provide additional capacity until there is certainty that the development is due to commence. Where development proposals are likely to require additional capacity upgrades to accommodate new development flows it is highly recommended that potential developers contact Severn Trent as early as possible to confirm flow rates and intended connection points. This will ensure provision of additional capacity can be planned into our investment programme to ensure development is not delayed.

Note: These are desktop assessments using readily available information and have not been subjected to detailed hydraulic modelling

STW Ref	LPA	LPA Ref	Site Name	Settlement	Size	Units	Estimated number of dwellings based on Ha	Assumed Flows from the site (l/s)	Sewage Treatment Works Catchment	SMP Consultant	Date of assessment	Sewerage Comment		Potential impact on sewerage infrastructure	Surface water Comment		Potential impact of surface water sewerage infrastructure	
												Known network constraints	Assumed connectivity		Outfall assumption	Surface water disposal		
Woore																		
	Shropshire Council	16/03349 /OUT	Lane off of Newcastle Road		30	dwellings		0.139	Woore	Atkins	20/07/2018	No known network hydraulic constraints. Although it should be noted that no Return Period Analysis layer is currently available for this catchment.	It has been assumed that the foul sewer would drain southwards from the development site towards Newcastle Road and connect at 4303, before passing to Newcastle Road SPS.	Medium Capacity at Newcastle Road SPS could be exceeded by the development. Further hydraulic analysis will be required to assess the impact of this development on the pumping station capacity. Comparison of current measured dry weather flow against the consented dry weather flow consent indicates that there is hydraulic capacity at this sewage works.	There is an existing surface water pipe running through the development site from an existing development to the north west. It is assumed that this pipe could be utilised for surface water discharge subject to capacity checks. The existing surface water pipes currently discharges to a unnamed ditch/watercourse to the east of the site.	Surface water is expected to be controlled on site and discharges limited to green field run off.	Low Subject to hydraulic modelling confirmation	