## Sewer Capacity Assessment: Market Drayton 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 development proposed. A development inpact on the performance of the existing public severage 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 oul only flows will have a negligible impact on existing sever performance but where there are pre-existing capacity constraints additional capacity improvements may be required.

Where subsequent detailed modeling indicates capacity improvements are required such work will be phased to align with development occupancy with capacity improvement works will be funded by Seven Trent Water. However, whils Seven Trent Water additional capacity improvements are required additional capacity and potential inefficient in the evelopment is included to commence. Where development provision additional capacity upgrades to accommodate new development flows it is highly recommended that potential development rent as early as possible to confirm flow rates and intended connection points. This will ensure provision additional capacity can be planned into our twe arguments to ensure development is not delayed.

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		Note: These are destop assessments using readily available information and have not been subjected to detailed hydraulic modellin															
STW Ref	LPA	LPA R	tef Site Name	Settlement	Size	Units	Estimated number of dwellings	Assumed Flows from the site (I/s	Sewage Treatment Works	SMP Consultant	Date of assessment	Sewerage Comment		Potential impact on sewerage infrastructure	Surface w	Potential impact of surface water sewerage	
							based on Ha	(,	Catchment			Known network constraints	Assumed connectivity	1	Outfall assumption	Surface water disposal	infrastructure
Marke	et Drayton																
	Shropshire Cou	ncil MD030	Land off Rush Lane (West) MD030 (part) Land off Rush Lane (East) MD030 (part)		214	dwellings dwellings		0.51	Market Drayton	Atkins Atkins	20/07/2018	There is a known hydraulic flooding property at the junction of Loogolow Rd and Adexandra Rd. There is als limited capacity in the parallel sewers down Alexandra F where surcharge is predicted in a 1 in 1 year event.	It has been assumed that foul flows will be collected o orden in a new pumping dation, operated by United RUINies and them clacharged into the Severn Trent Market Drayton catchment area, at the junction of Longstow Rd and Alexandra Rd (\$J66345102).	Medium - High Further Hydraulic analysis will be required to assess th impact of this development on server capacity. Depending on the discharge location, flows from the state could impact on the existing hydraulic flooding at the junction of Longslow Rd and Alexandra Rd. Discharge from the sells is also likely to impact on the timiled capacity down Alexandra Road.	The outfail location like similar recent developments is assumed to be via a surface water outfail to an unamed stream unning east to wate across the north of Market Drayfor. The stream is possibly an overflow from the Shropathire Union Canal. It is anticipated that because of the location of the development, the surface water system will be owned	Surface water is expected to be controlled on site and discharges limited to green field run off. No known flooding issues associated with the discharge stream downstream of the site. However it is noted that flood miligation is required as part of plans for MD030.	Low Subject to hydraulic modelling confirmation
															and operated by critical children.		
	Shropshire Cou Shropshire Cou	ncil MDND6 ncil MD010 and MD028	P5 Land at Greenfields Land between Croft Way and Greenfields Lane		8 76	ha dwellings	280	1.30 0.35	Market Drayton Market Drayton	Atkins Atkins	20/07/2018 20/07/2018	Several exisiting hydraulic flooding locations and pollution incidents are known around the junction of Kilnbank Rov and Walkmill Road.	It has been assumed that foul flows will be collected o addite in a new pumping station (or utilise an existing PS in the case of Sych Farm), operated by United Utilities The pumping station is then anticipated to be	Modium - High Further hydraulic analysis will be required to assess th impact of this development on sever capacity and the capacity of the treatment works. Due to the size of the developments in relation to the			
													discharged into the Severn Trent Market Drayton catchment area, into the foul sewer at the junction of Cheshire St and Maer Lane (SJ67342507).	existing severage system it is envisaged that capacity improvements will be required to the existing severage system to ensure additional flows from these			
	Shropshire Cou	LR023	VE Sych Farm (Phase 2) ELR023/ELR024		16	ha	560	2.59	Market Drayton	Atkins	20/07/2018			developments do not adversely increase sewer flood risk at Kilnbank Road.			
	Shropshire Cou	ncii MDNDf	Land off Maer Lane		8.7	ha	305	1.41	Market Drayton	Atkins	20/07/2018		Local servers within the development boundary, because of the fixed on are expected to be owned and operated by United Utilities. When the server is the server of the server of the Meer Lane.			Surface water is expected to be controlled on the and dechanges initial coper field on cell face and the structure of that part of this development ale falls within Pool Risk. Zon dechanges and the structure field of the structure of the ability to discharge.	Medium Discharge from this site rooid result in the processes in the size of Flood Risk Zone 2/3
	Shropshire Cau	noil MDNDF /2	<sup>14</sup> Proceed Maria and Associated Tourten, Letture and Related Development	d	36.5	ha	1278	5.91	Market Drayton	Atkins	20/07/2018		Severe within the northern paid of the development boundary, because of there location are expected to be owned and operated by United Utilities. Flow from the development site are assumed to gravitate towards the south, and in order to utilise and satisfing consulty of the Shrophite Utilities. Canal, darking may be possible to SAUS 47601, depending on capacity checks to Hindritry Mill SHS.	In part in the sensitive will be required to assess to impact of the development on server capacity and the appacity of the treatment works. Usuals to be assess of the development in relation to the capacity of the treatment works. Usuals to be assess of the development is an endatory to the capacity capacity server and the capacity favore than the development of an electronic process works from the development of a profile development of kicket by UKI SPA, performance addentionation from capacities the server server as the capacity of the instrument works.	It is anticipated that because of the location of the directionent, the interview of direction of the northern part of the site will be will be owned and operated by United Utilities. Permission unitarity to be given to discharge to the Rospitale Unicos Cale (avent of discharge to the discharging to the River Term en the scuth is assume discharging to the River Term en the scuth is assumed to the the most unitarity to the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the most unitarity of the River Term en the scuth is assumed to the scuther term end to the scuther assumed to the scuther assumed t	Suitce water is expected to be controlled on site and decharges limited open field on off two flooding issues associated with the River Tente in the area.	Low Subject to hydraulic modelling confirmation
	Shropshire Cou	ncii MDNDR	P8 Regeneration of land to the rear of The Red Lion Public House		n/a	ha	0	(	Market Drayton	Atkins	20/07/2018		Regeneration	of existing site only, no new flows anticipated, so no im	pact on Severn Trent Water systems expected	1	
and adjacent to Statford Street																	
Long	ford		alle i i en e in i	1	la a		leve '		h	las:							
	Snropshire Cou	nci MDNDR	Housing Land off Longford Hoad		0.2	na	217	1.00	Unknown	Abons	20/07/2018	No Severn Trent water sewers in the Longford village a	rea. I his area is located within the United Utilities admin	istrative area and it has been assumed that all foul flows	and the associated sewerage/surface water system w	ii be owned and operated by United Utilities.	
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