



# Uffington update

## September 2016

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# Agenda.

- How Thames Water consider development schemes through the planning system
- Uffington drainage infrastructure update



# Water and Sewage infrastructure drivers.

- **Statutory requirements to protect the environment**
  - European Urban Wastewater Treatment Directive
  - European Water Framework Directive
- **Adaption to climate change**
  - wetter winters & more intense summer storms
- **Population growth & urbanisation**
  - rapid growth in Oxfordshire
- **Resilience of existing infrastructure**
  - replace, maintain and extend infrastructure due to life cycle.



# The role of the planning system for water and wastewater infrastructure.

## Local Council Development Plans

- **Assess growth and plan** for strategic infrastructure improvements
- Help local authorities **influence the type, scale and location** of development
- Local Plan and Neighbourhood Plan **policies** that support sustainable development allocations and support infrastructure provision
- Role for **Water Cycle Studies**



# The role of the planning system for water and wastewater.

## Responding to planning applications

- Ensuring water and wastewater infrastructure is **coming online** with development growth
- Seeking **planning conditions** where necessary to ensure residents and the environment are protected
- Important role for **Drainage Strategies SuDS strategies**



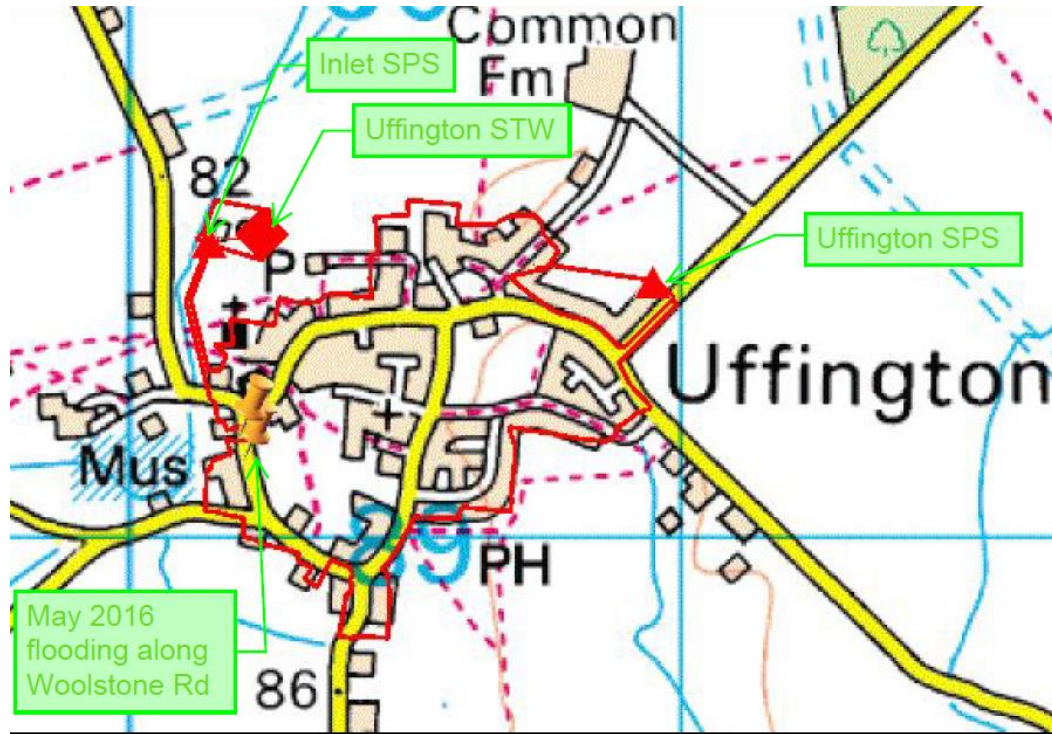
# Some of the things we are doing now

Earlier engagement in the planning process is critical

Examples	Detail
Proactively seeking out site developers	Collating list of developers / promoters and agents for development sites
Working with Local Planning Authorities on gathering the appropriate infrastructure evidence	Water Cycle Studies, Catchment Drainage Strategies, Infrastructure Delivery Plans
Supporting LPAs, neighbourhood groups and developers through Local Plan promotion	Neighbourhood forums, developer planning forums and Local Plan examinations
Ensuring supportive infrastructure delivery policies in Local Plans	Seek effective infrastructure policies that help enable sustainable growth and infrastructure
Greater emphasis on working with developers and LPAs on site wide plans and development layouts	Establishes drainage impacts as a result of the development and highlights mitigation measures through Drainage Strategies



# Uffington drainage update.



Uffington Sewage Treatment Works (STW) serves a population equivalent (PE) of about 680, it's a small STW with no serviceability or compliance issues.

Uffington STW's final effluent discharges to the Uffington Brook.

Wastewater from Uffington drains via a 225 mm sewer direct to the STW

The bulk of the foul flows (90%) within the catchment drains via gravity sewers

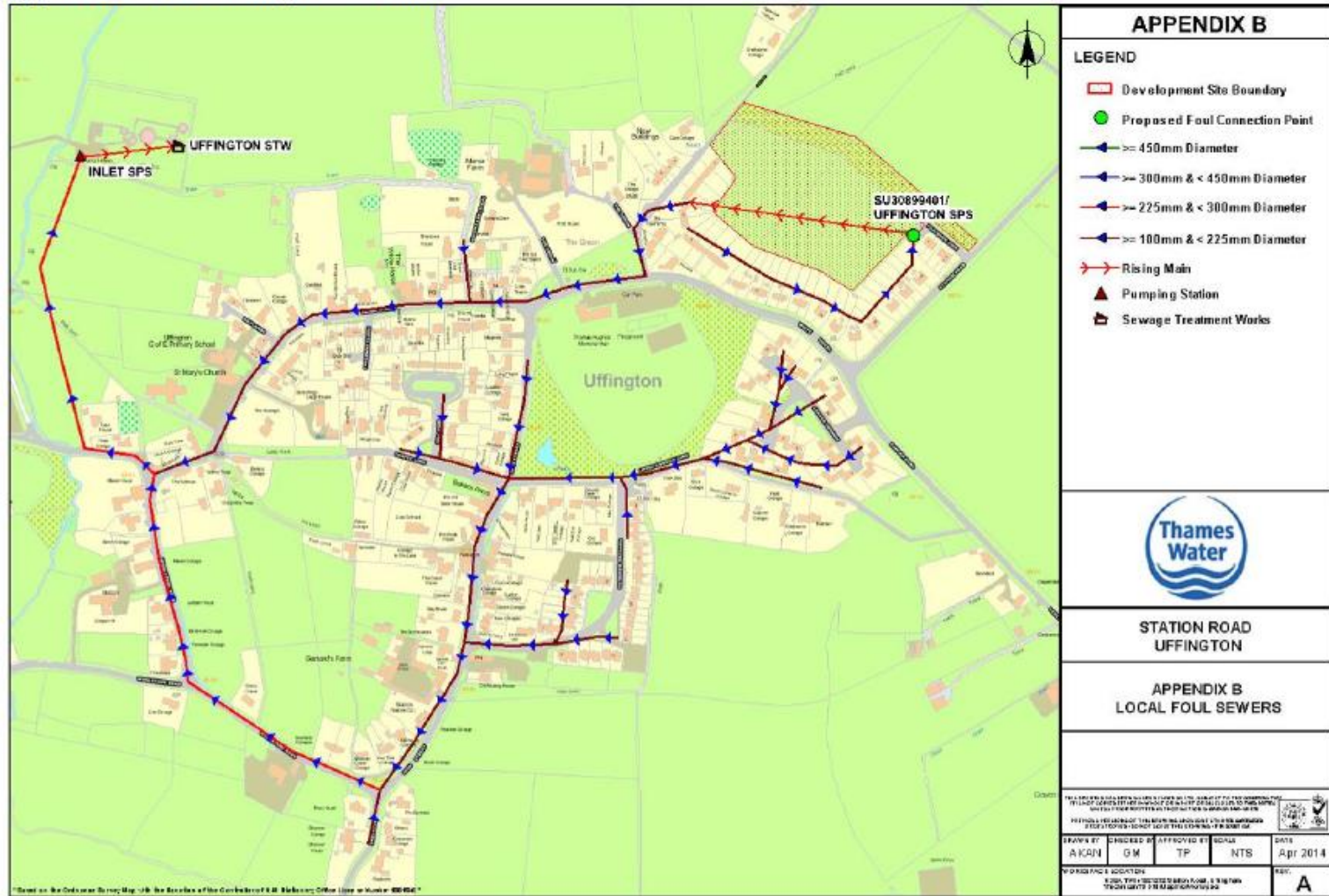
Blockages are a contributor to the local flooding that has occurred in the past.

We have undertaken a series of sewer cleans in the area to minimise the risk of blockages in the sewer network.



# Local sewers in Uffington

Appendix B – Plan showing Local Sewers





# Concluding points.

- We have carried out **drainage improvements in the local area** focused on **sewer cleaning**.
- **New village developments** coming forward in the next few years.
- We are **updating our modelling and assessment tools** to ensure we know what infrastructure assets may need to be updated to accommodate growth in the District.
- **Water Cycle Studies and Drainage Strategies** will be important to ensure development coming forward considers infrastructure and environmental capacity.
- We are redoubling our efforts for **early engagement** in the planning and development process.
- Delivery of infrastructure **in tandem** with development is critical.



**Time for  
questions.**



**Thank you**

