



# Raynes Park

## Local Flooding Update

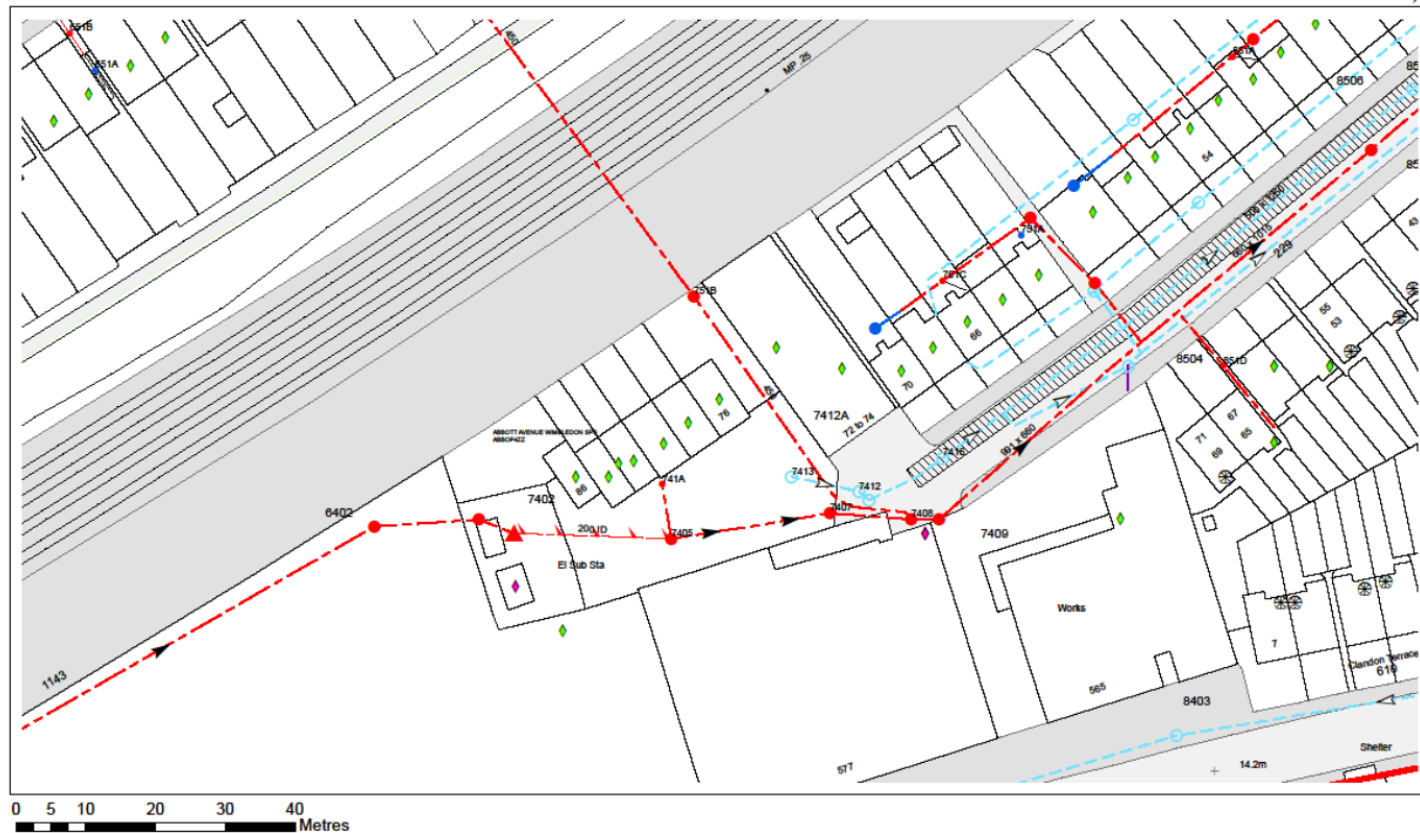
Carl Leadbeater



# Recap

# Flooding

- In 2006 we undertook a Flood Investigation at Kingston Road following flood incidents reported as **surface water flooding** on Abbott Avenue and the surrounding properties. A 60m<sup>3</sup> surface water storage tank was installed in Abbott Avenue to alleviate surface water flooding.
- The foul sewer in Abbott Avenue backs up with rainwater and surcharges as this is a low point in the network. The **foul sewer flooding** which has been reported only occurs during rainfall events, indicating rainwater is wrongly entering the foul sewer.



# Historic and recent flooding

## 2006 – Surface Water Flooding

- We undertook a Flood Investigation at Kingston Road following flood incidents reported as **surface water flooding** on Abbott Avenue and nearby properties.
- Investigation found flooding was caused by insufficient capacity of the **surface water sewer network** in the area.
- In 2008 we installed a 60m<sup>3</sup> surface water storage tank in Abbotts Avenue to provide capacity and alleviate the surface water flooding.

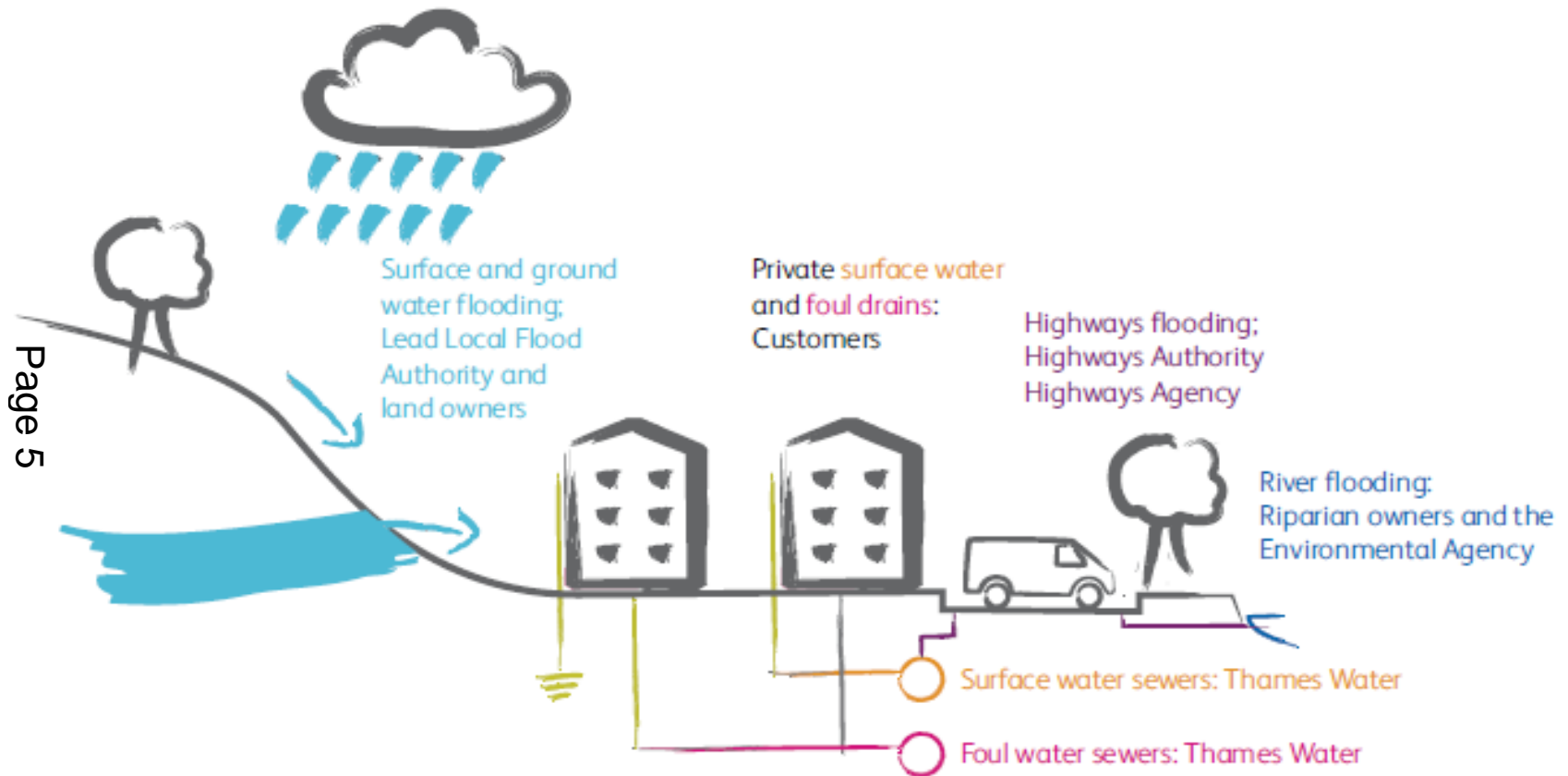
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## Last 3 years – Foul Flooding

- Reported **foul water flooding** at Abbott Avenue and nearby properties.
- Flooding occurs during/after a rainfall event in the area.
- The **foul sewer network** backs up with rainwater and surcharges at Abbott Avenue (topographic low point in the catchment).
- Rainwater is wrongly entering the foul sewer network, overloading the sewer and causing **foul sewer flooding** to occur.

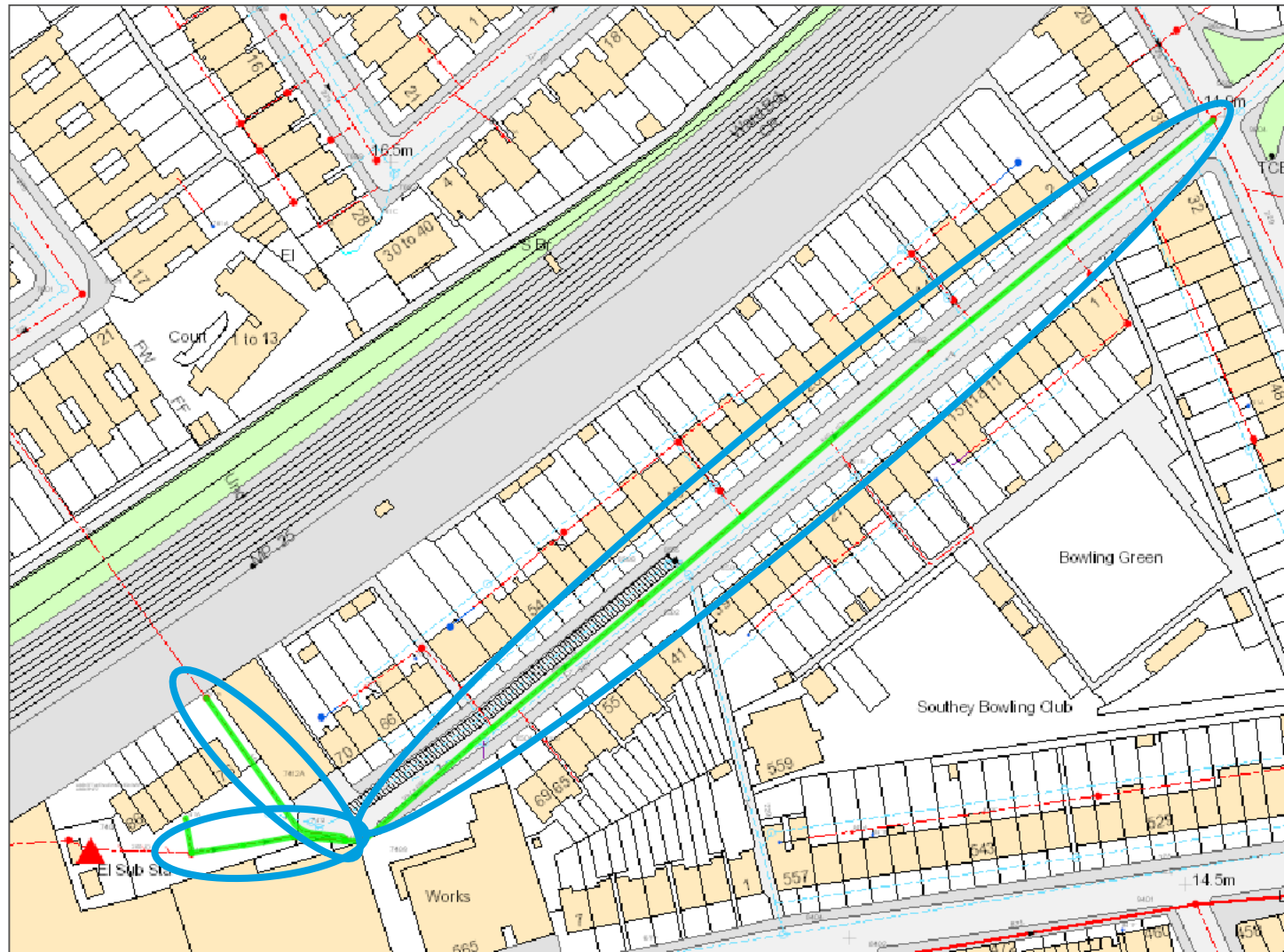


# Responsibilities for Drainage



# Abbott Avenue - CCTV survey and cleaned 350 metres of sewer (August 2017)

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# Thames Water actions completed since previous Community Forum (June 2018)

- The following activities have been carried out by Thames Water to ensure the sewer network upstream of Abbott Avenue is operational
- Five CCTV surveys and sewer cleans (total of approximately 500m)
  - Arterberry Road 148 metres
  - Crescent Road 180 metres
  - Coombe Lane 84 metres (surface water sewer)
  - Coombe Lane 70 metres (foul sewer)
- In total we have surveyed and cleaned nearly **1km** of sewers in Raynes Park area
- 12 manholes inspected
  - Copse Hill, Coombe Lane, Durham Road, Arterberry Road, Crescent Road, Abbott Avenue, Kingston Road
  - Checked for connections and operational condition (i.e. no blockages)





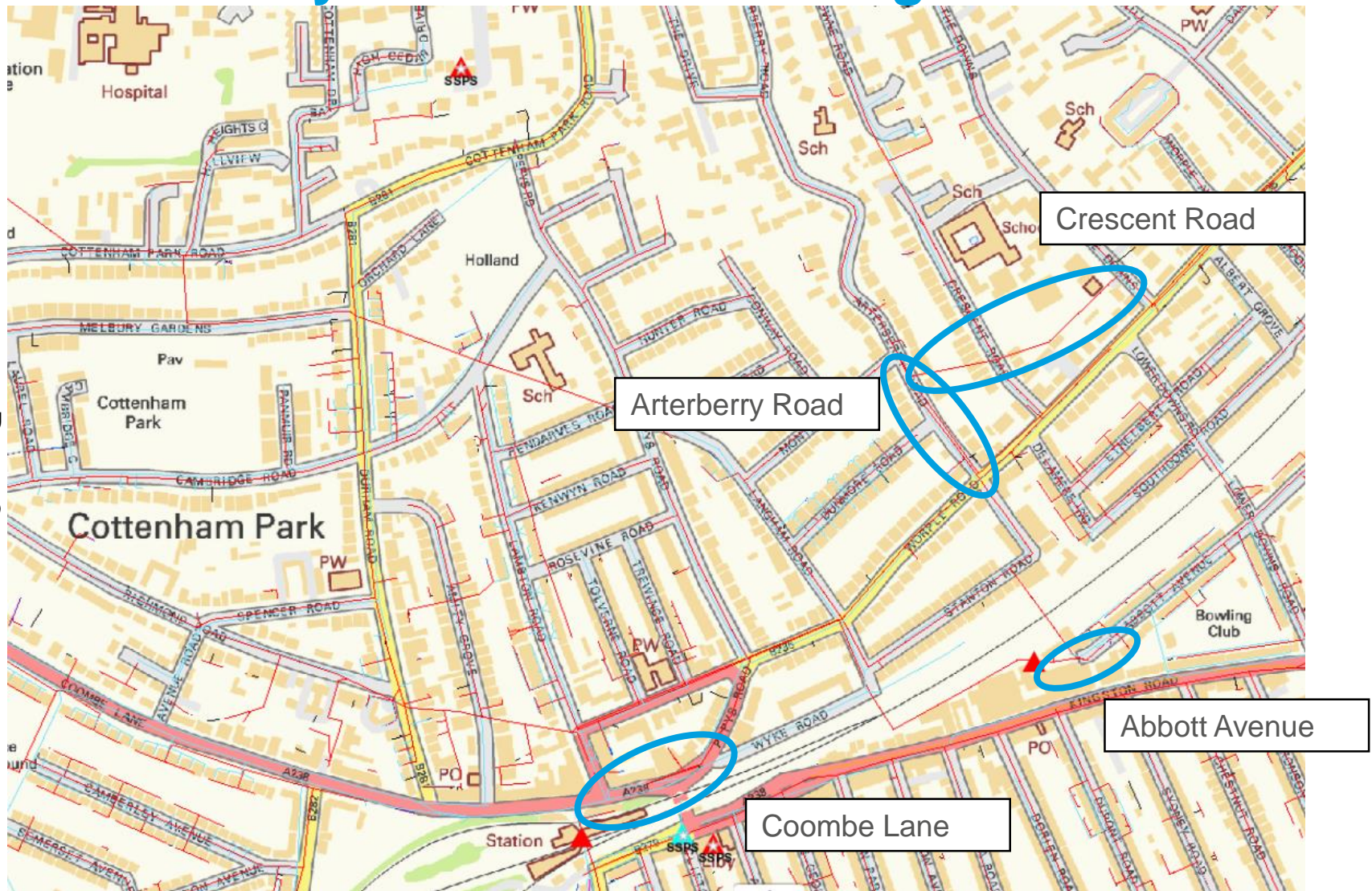
# Manhole inspections (12 in total)





# CCTV surveys and sewer cleaning

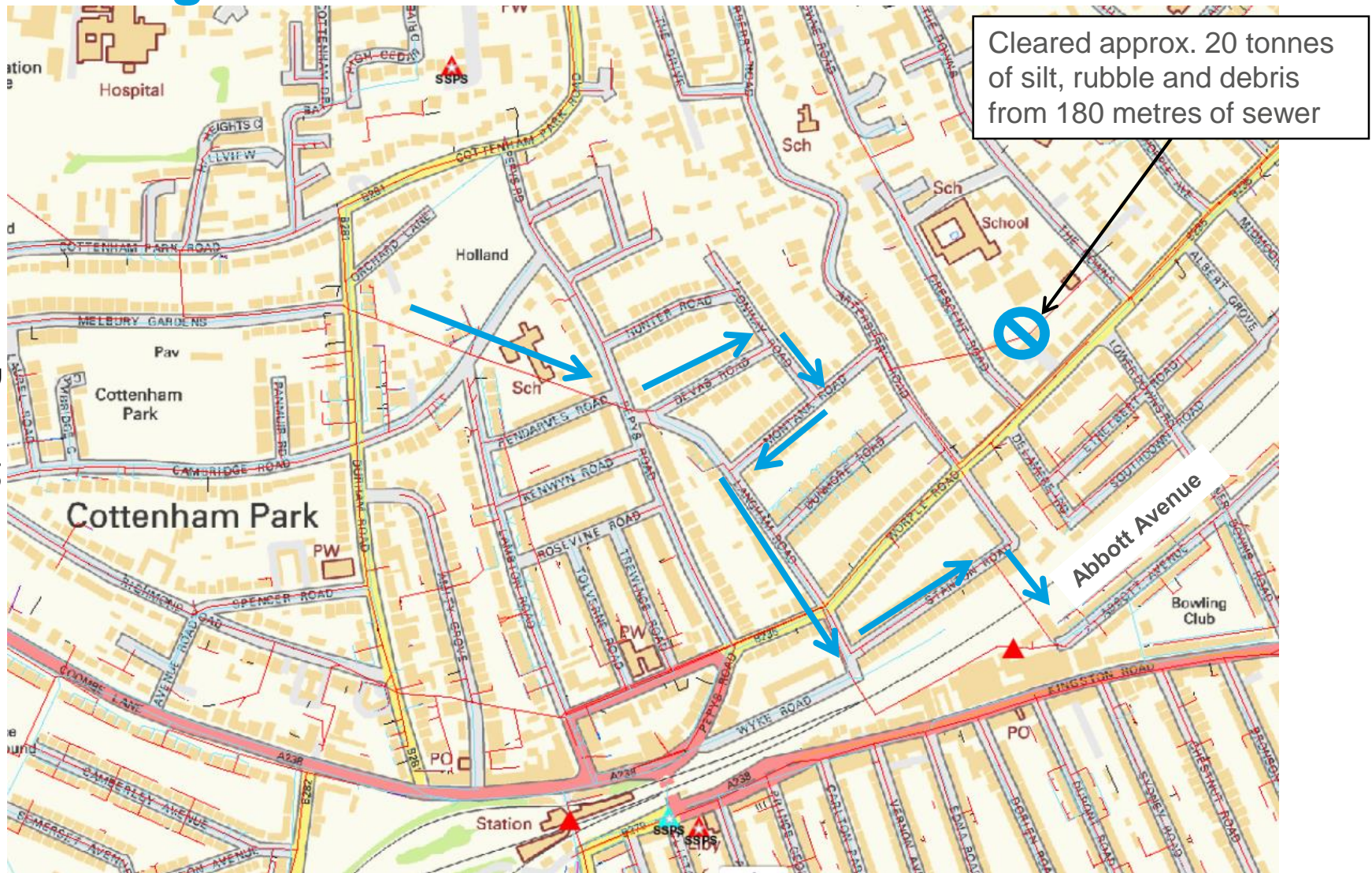
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# Blockage clearance – Crescent Road

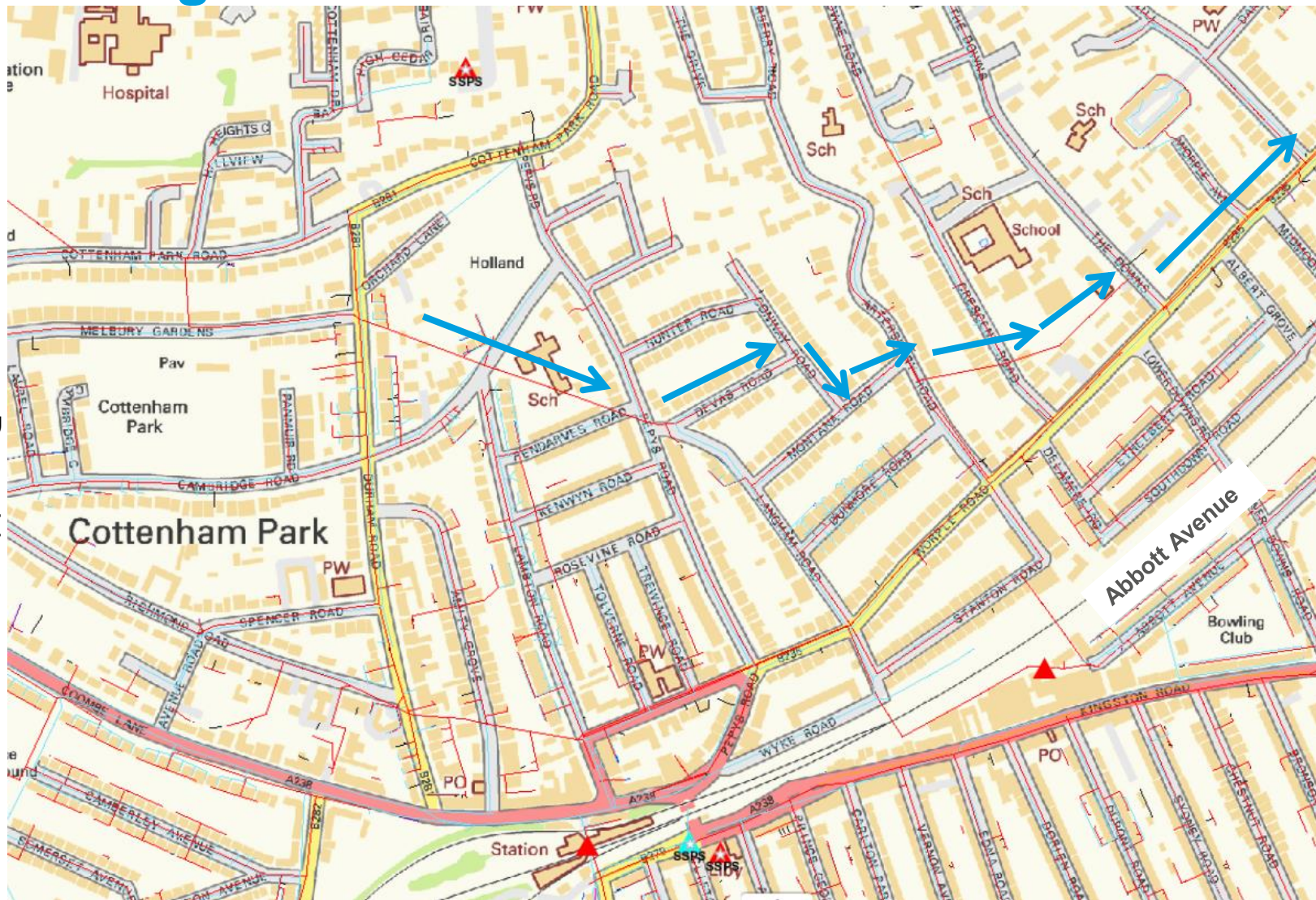
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# Blockage clearance – Crescent Road

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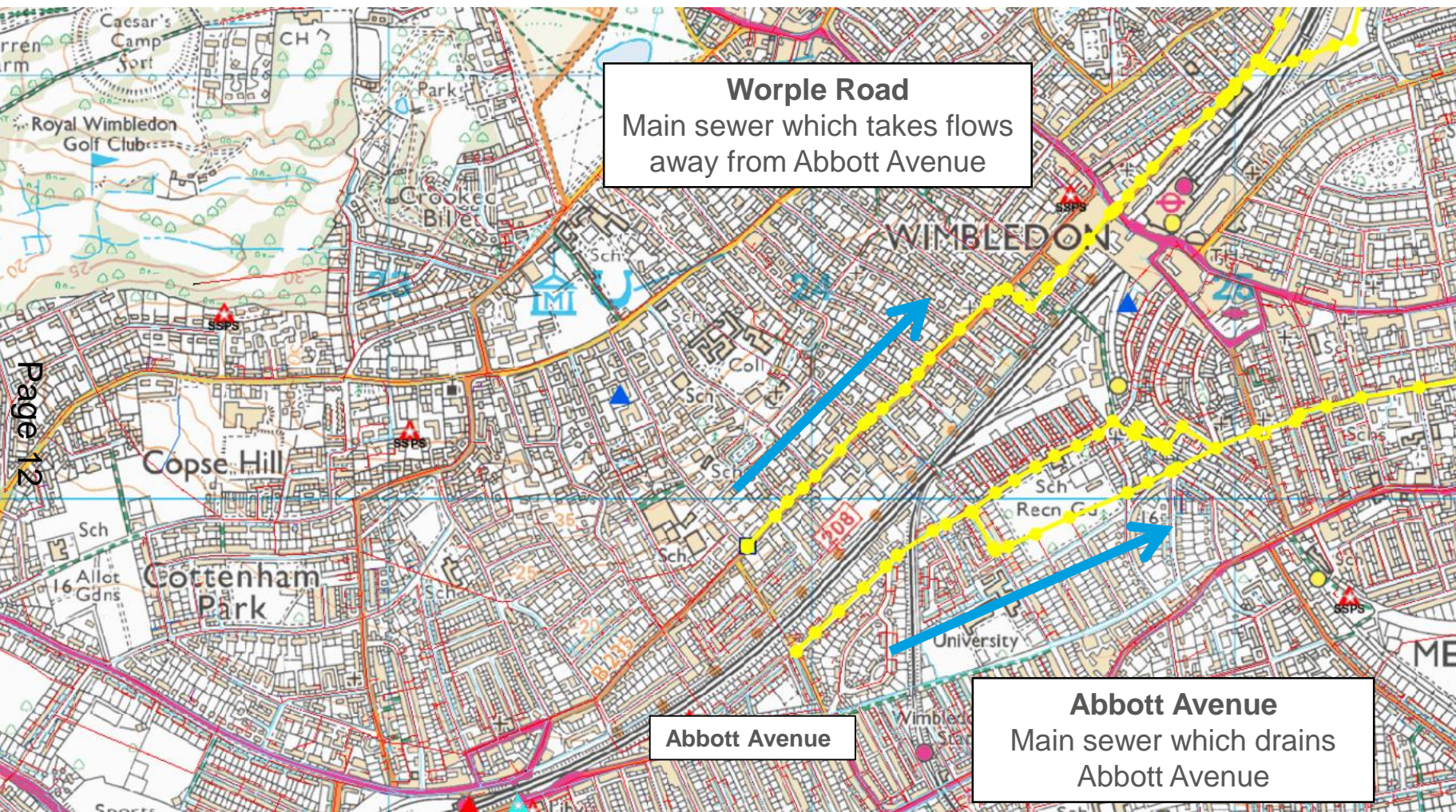


## Overview

Blockage may have been causing flows to re-route to the Abbott Avenue sewer from the Worple Road sewer

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# Thank you





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