

The logo features the word "Suffolk" in a bold, dark blue font. To its right is a large, stylized blue wave graphic that curves upwards and to the right, partially overlapping the text "Flood Risk Management Partnership".

Suffolk

Flood Risk
Management Partnership

**Come and talk to us
about flooding**

Brandeston & Kettleburgh

Brandeston & Kettleburgh

Anglian Water flood investigation work and
future capital scheme

LOVE EVERY DROP. PUT WATER AT THE HEART
OF A WHOLE NEW WAY OF LIVING.

Work completed to date



- Alterations to prevent the ingress of SW from ditches.
- Lining of sewers in Creetingham and Brandeston to reduce infiltration.
- Refurbishment of pumps at Kettleburgh terminal pumping station.
- Completion of an Urban Pollution Management (UPM) study.
- Completion of a hydraulic model of the catchment.

Work completed to date

- Impermeable area survey
- CCTV, including private laterals
- Telemetry to link the operations of the pumping stations.
 - Kettleburgh & Creetingham = working well
 - Brandeston = not working well
- Proposed pipe upsizing and pumping station improvements plan in Brandeston
- Proposed pipeline route from Brandeston and/or Kettleburgh to Framlingham Water Recycling Centre

Relining of sewers



Relining of sewers



Urban Pollution Management study conclusions

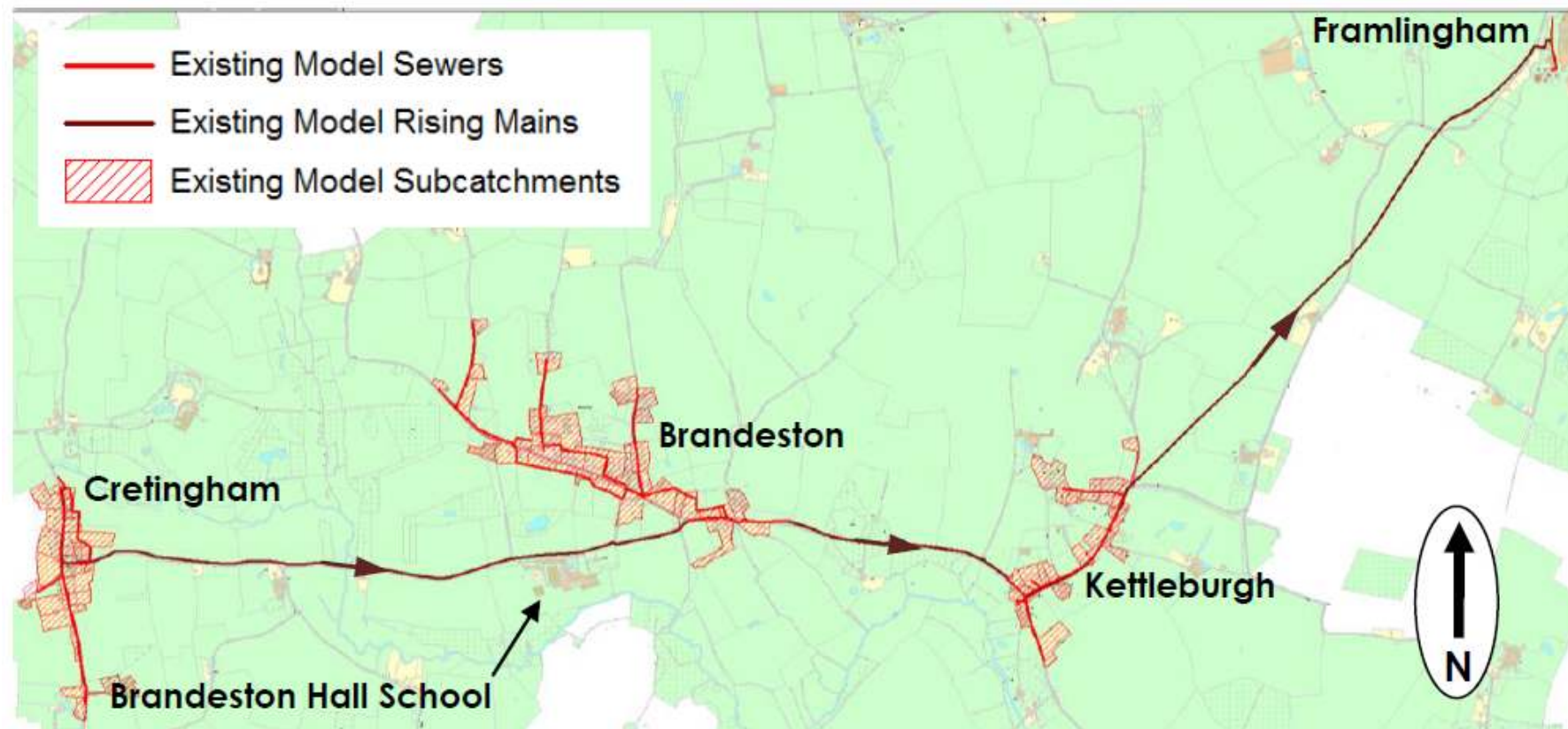


- Analysis showed that spills from Kettleburgh Emergency Overflow are result of impermeable area.
- Impact of closing the Emergency Overflows:
 - Increased pressure on sewer system
 - Increased risk of flooding upstream

Impermeability area survey



Modelling



Modelling



(a) Cretingham



(b) Brandeston

Modelling



- Updated model
- Indicates insufficient sources of surface water have been identified that, if removed, would have the required impact in reduction of overflow events.
- Alternative disposal routes for surface water have either been not available or not taken up.

CCTV images



CCTV images



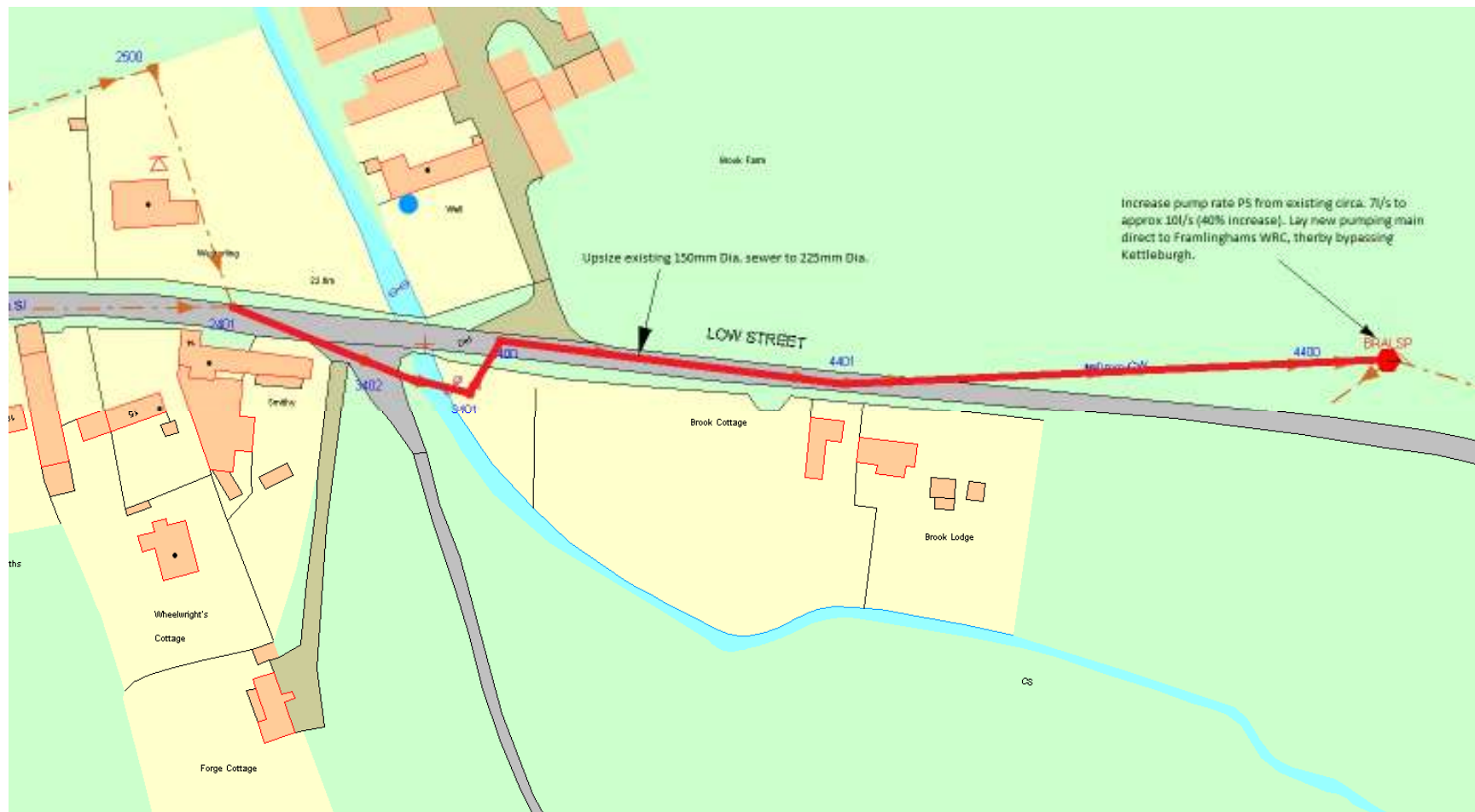
- Siphon – further investigation required
- Keep it Clear
 - Presence of Fat, Oil and Grease
 - Opportunity to help yourselves in a sensitive catchment

Planned capital improvements



- c. £30k spent to date
- c. £1m to solve the problem.
- Proposed pipe upsizing and PS improvements plan in Brandeston
- Proposed pipeline route from Brandeston and/or Kettleburgh to Framlingham Water Recycling Centre
- Due for completion Dec 2014

Planned capital improvements



Planned capital improvements

