

# Hol Brook

## Overall context & background

- Ordinary watercourse
- Highly urbanised catchment
- Uncertainty over upstream drainage detail
- Culverted lengths receiving surface water runoff from roads and other impermeable areas over a large area
- Relatively steep catchment
- Quick response to rainfall
- Historic flooding upstream – A6 & Meadowcourt Rd
- Flooding more recently downstream – Carisbrooke Rd



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# Hol Brook

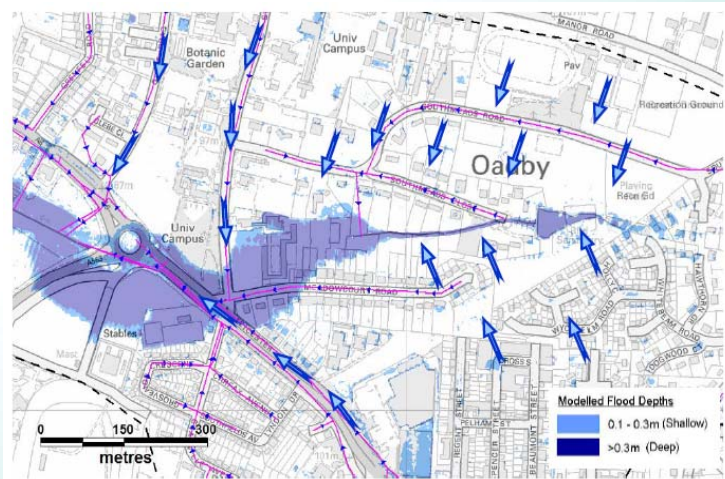
## Estimated catchment



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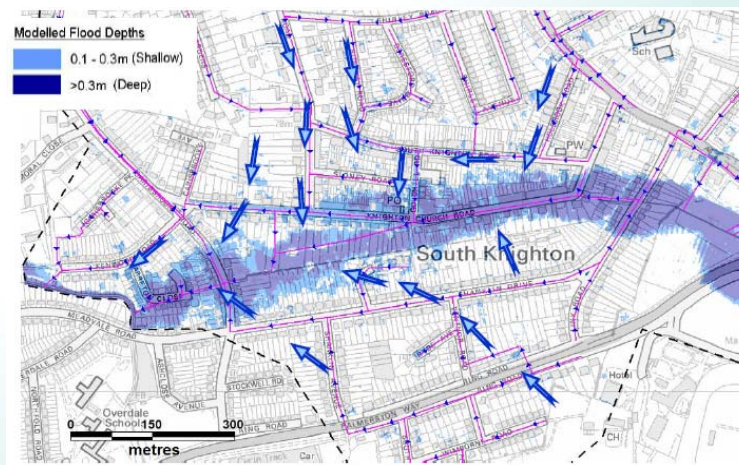
# Hol Brook

## Upstream – Oadby to City boundary



# Hol Brook

## Downstream - City Boundary to Saffron Brook



# Hol Brook

Culvert running full bore



# Hol Brook



# Hol Brook

Approach to managing rainfall run-off:

- Source
- Pathway
- Receptor

Securing funding:

- Options appraisal
- Affordability tests (cost / benefit analysis)






# Hol Brook flooding options

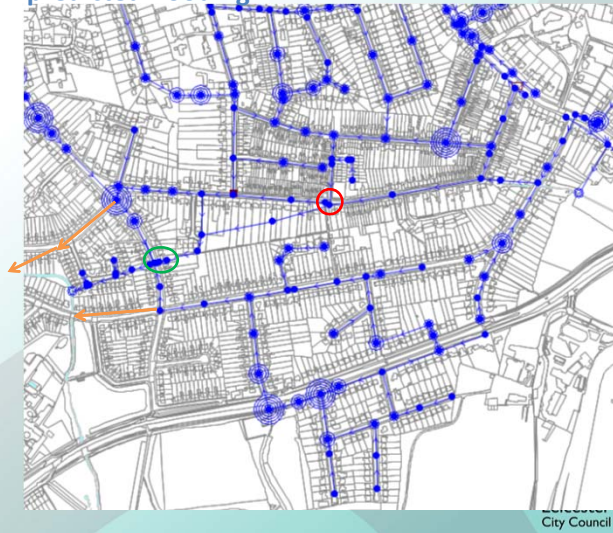
Existing options considered



# Hol Brook flooding options

## Proposals based on predicted flooding

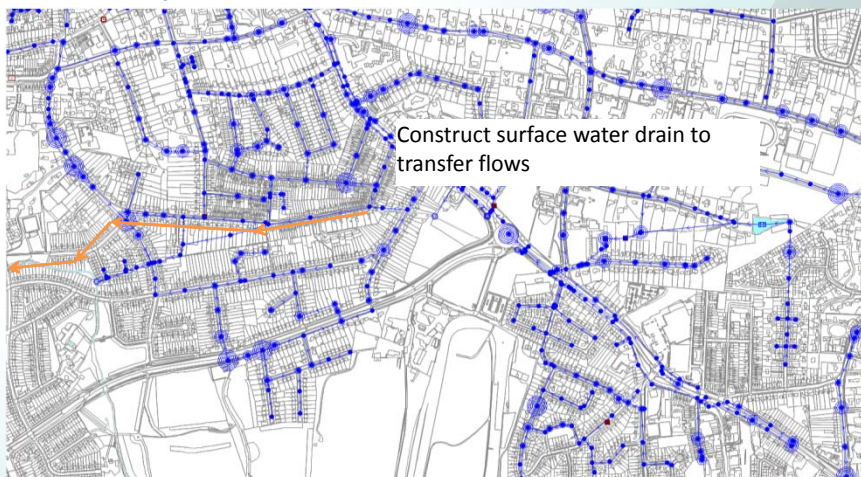
-  Removal of flow restriction
-  Potential Bifurcation
-  Potential sewer diversion route



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# Hol Brook flooding options

## Diversion option



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## Hol Brook

### Where do we go from here?

- Range of measures being considered to reduce risk – you can never eliminate risk
- Working closely with Severn Trent Water, Environment Agency & County Council
- Local Levy funding agreed in principal to support detailed sewer system analysis for potential enhancements
- Upstream storage would need to be linked to A6 culvert improvements



## Hol Brook

### Short term options

- Community flood wardens
- Community flood plan
- Flashing flood warning signs
- Local sandbag & sign store
- Property level protection by individual property owner



## Hol Brook

### Medium term options

- Trash screen on upstream pipe entry Carisbrooke Road
- Provide flood route across Carisbrooke Road
- Maintenance activities in community flood plan
- Property level protection as part of a scheme



## Hol Brook

### Long term options

- Oadby / London Road A6 culvert improvements
- Upstream storage
- Sewer system enhancements Knighton Church Rd & Carisbrooke Rd to divert flows
- Upsize culvert - Carisbrooke Road/ Arreton Close

