

# **Riverview Road Sanitary Sewer Project, Brecksville, OH**

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# Background

- The City of Brecksville is installing sanitary sewers on Riverview Rd from Chippewa Rd north to Preston Village Dr. The project will encompass 55 existing parcels, including homes, lots, and businesses. The project is a result of residential complaints, failing HSTSs, and poor water quality sample results and will ensure compliance with their Phase II permit.

# Timeline

- Complaint received
- Investigation
- OEPA complaint
- City/CCBH/OEPA meeting
- City's approach to eliminating illicit discharges
- Funding applications
- Project timeline

# Nuisance Complaint

- Resident on Riverview Rd complained in January 2009 about shared pond
- Claimed that several neighbors' HSTSs flowed into pond
- CCBH investigated complaint and confirmed it was justified





09/28/2011





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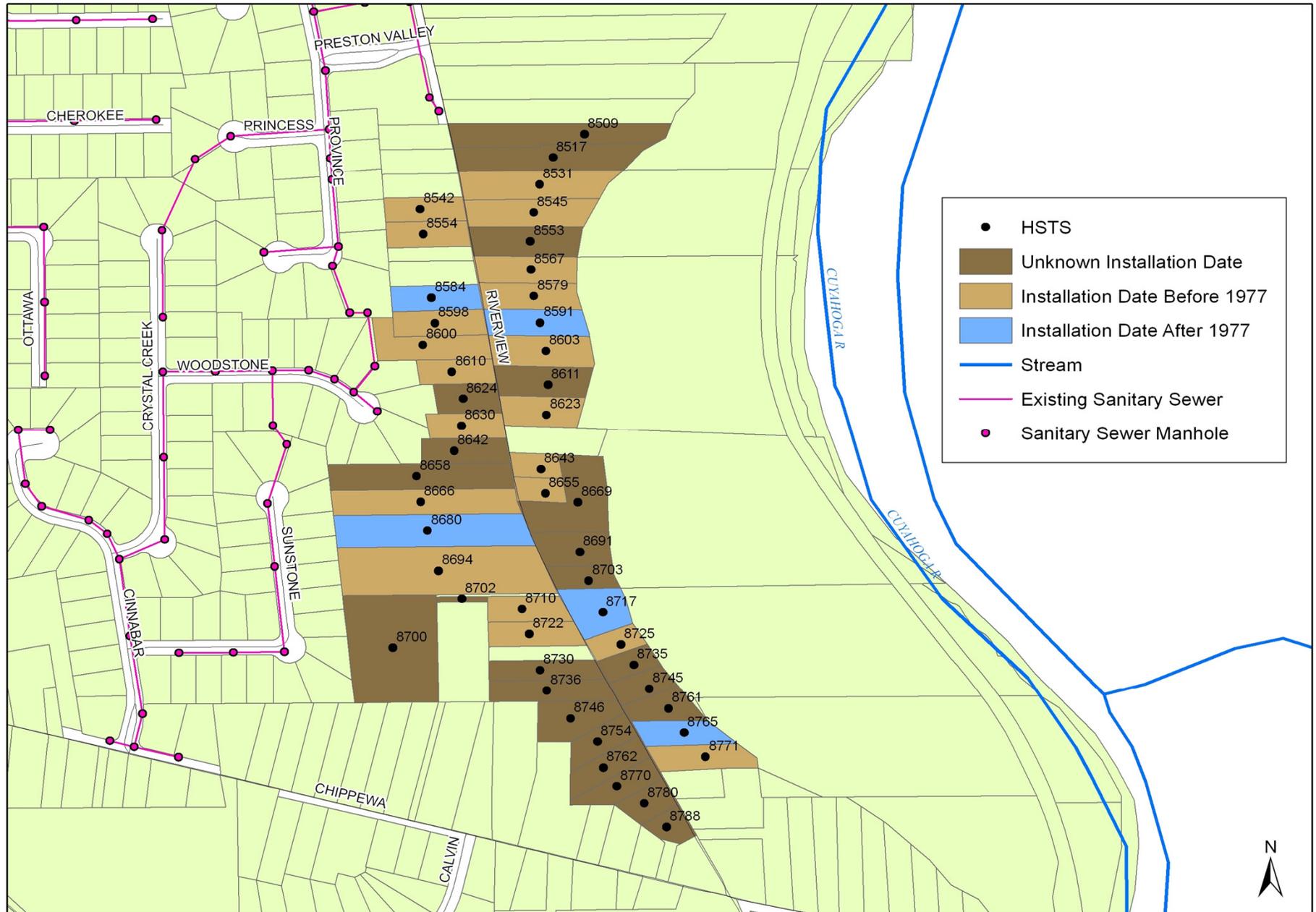


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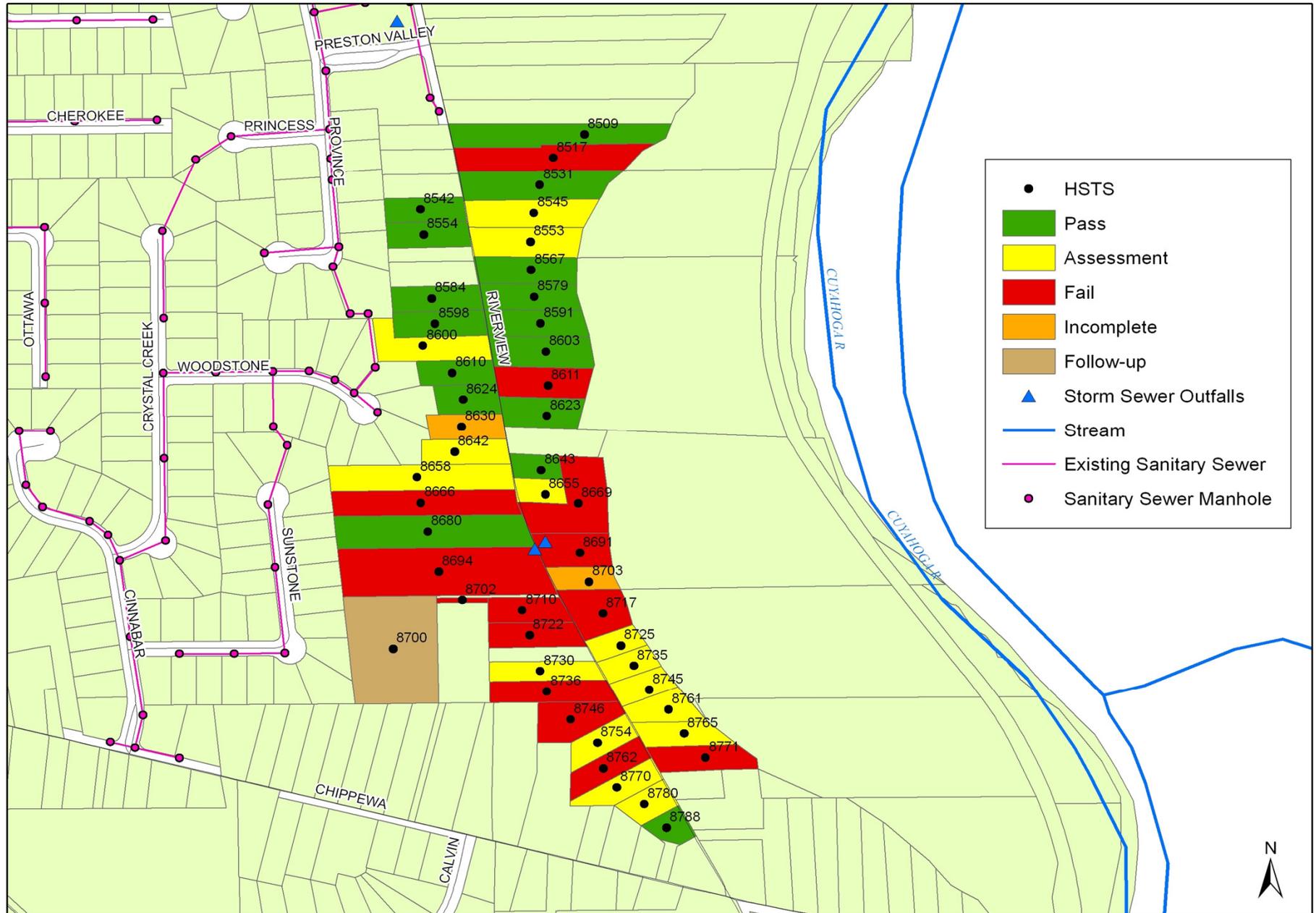
# Project Area HSTSs

- 15/48 confirmed failures
- 42/48 predate 1977 or use unknown treatment methods
- 2/3 businesses failed
- Many HSTSs were installed in the 1950s-60s, 500 gallon septic tanks, 180 ft<sup>2</sup> filter beds

# Riverview Road - Septic System Installation Dates



# Riverview Road - Septic System Inspections



# Storm water results

- Project area lacks storm sewer system-some ditches in place, most storm water/HSTS effluent discharges East into Cuyahoga River Valley



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# Storm water results

- Samples taken exceeded bacteriological limits
  - CBT70095-4,600 cfu/100ml (576 cfu E.coli)
  - CBT70100-27,000 cfu/100ml (576 cfu E. coli) and 31,000 cfu/100ml (5,000 cfu fecal coliform)
- Noticeable odors, gray filamentous bacteria
- Solids, excessive algae in pond

# Project Specs

- Brecksville took a proactive approach to eliminating their illicit discharges:
  - By installing sanitary sewers to service properties
  - Eliminating any chance of public health nuisances caused by those discharging HSTS