

# BIG CREEK FLOOD REDUCTION NEAR MAPLEGROVE IN NORTH ROYALTON

North Royalton, OH

CUYAHOGA RIVER NORTH · BIG CREEK

## Summary

This project is intended to mitigate flooding along Oakridge Avenue and Maplegrove Avenue through culvert upsizing and floodplain expansion, which in existing conditions begins as early as the 2 year storm event. The root causes of flooding in this area are attributed to flashy hydrology as a result of upstream development, unsustainable development practices within the immediate vicinity, and stream channel modifications. These issues have resulted not only in the infrastructure flooding issues noted herein, but also in loss of stream function including aquatic habitat and floodplain storage along Big Creek.

## Project Details

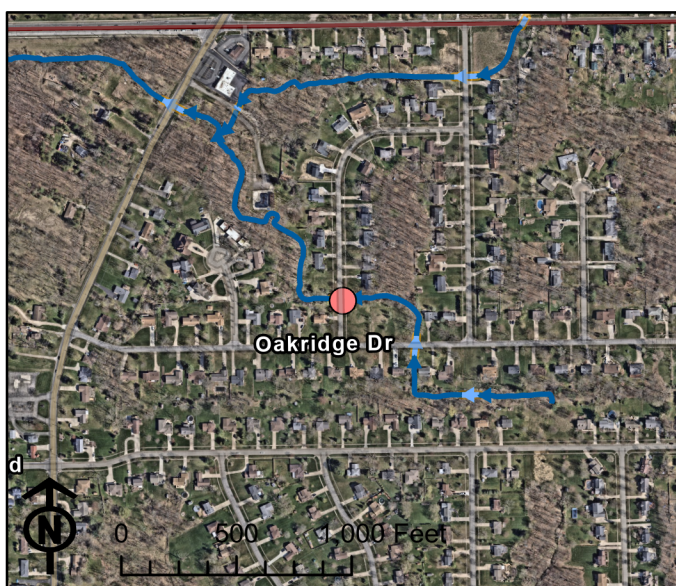
**Asset ID(s):** BC00040, BC00039, BC00369, BC00368, BC00367, BC00366, BC00365

**Contract Type:** Design/Bid/Build

**Construction Cost:** \$8,027,000.00

**Anticipated Construction NTP:** 2nd QTR 2030

**Watershed Team Leader:** Nicole Velez (velezn@neorsd.org)



**REGIONAL  
STORMWATER  
MANAGEMENT**