



# MORGANA BURKE SYSTEM IMPROVEMENTS

## INTRODUCTION

The Morgana Burke System Improvements (MBSI) Project is part of Project Clean Lake, a \$3 billion, 25-year program NEORSR began in 2011 designed to meet Clean Water Act standards and address water quality issues. This is one of the projects that NEORSR will use to reduce 4.5 billion gallons of wet weather CSOs released into Lake Erie and its tributaries in the Greater Cleveland area. Specifically, MBSI is part of the Southerly Combined Sewer Overflow (CSO) Long Term Control Plan.

The MBSI is located in the cities of Cleveland and Newburgh Heights. This project involves rehabilitating the existing Morgana Run Culvert and Burke Brook Culvert. The Burke Brook Culvert conveys combined sewage to NEORSR's existing interceptor sewer system and, during wet weather, CSO to the Cuyahoga River through CSO-036. The Morgana Run Culvert conveys combined sewage to NEORSR's existing interceptor sewer system, and, during wet weather, the existing culvert conveys stormwater and CSO to the Cuyahoga River through CSO-035. The map below shows the general project areas.

**STATUS:** Construction

**CONSTRUCTION COST:** \$6.7 million

**CONTRACTOR:** Nerone & Sons, Inc.

## PROJECT BENEFITS

The MBSI Project is key in conveying combined sewer flows to the NEORSR's existing interceptor sewer system and the future Southerly Storage Tunnel (SOT). This project will contribute to future tunnel overflow control at two permitted CSO locations to the Cuyahoga River and will reduce future CSO volumes discharged into the lake by 300 million gallons each year, providing:

- Improved water quality in the Cuyahoga River;
- A reduction in public health risks associated with CSOs;
- A cleaner Lake Erie for drinking water, boating, beach-going, and other recreational purposes; and

## POTENTIAL COMMUNITY IMPACTS

During construction, the MBSI will have some short-term impacts on the community, including:

- Road/lane closures and traffic pattern changes;
- Sidewalk closures;
- Noise and vibrations; and
- Dust, dirt, and/or mud.

| MBSI Project Schedule |      |      |      |      |      |
|-----------------------|------|------|------|------|------|
| Project               | Year |      |      |      |      |
|                       | 2018 | 2019 | 2020 | 2021 | 2022 |
| Design                | █    | █    | █    | █    | █    |
| Bidding               |      |      | █    |      |      |
| Construction          |      |      | █    | █    | █    |

