

**Engineer's Report on Improvement Projects Impacting Euclid Creek  
South Euclid, Ohio**

**SOUTH EUCLID PROJECTS IMPACTING THE EUCLID CREEK**

**2020**

The major project that impacted the Euclid Creek watershed in 2020 was the **Maywood Road Infrastructure Improvement Project** that separated the sanitary sewer from the common trench/common manhole configuration that was built with in the 1920s. The elimination of common trench sewage systems reduces infiltration and inflow (I/I) into the sewer system, reduces basement flooding, and reduces illicit discharge into the Euclid Creek. The project involved:

**Maywood Road Infrastructure Improvement Project:**

- Installation of 1,842 L.F. of 10” sanitary sewer and 57 service connections;
- Installation of 8 new sanitary manholes, 9 new storm manholes and 11 catch basins, plus the repair of sections of the existing storm sewer main;
- Replacement of the water mains and water service connections;
- The replacement of the street pavement, curbs, and drive aprons. The pavement area was reduced from 24 feet to 22 feet, reducing the impervious surfaces in the ROW;
- The construction cost of the project was \$ 1,553,755.00

**2021**

The City of South Euclid is planning two major project that will impact the Euclid Creek watershed in 2021.

The first project is the **Oakmount Road Infrastructure Improvement Project** which is very nearly identical in scope to the Maywood project and is located on a parallel street. It will also separate the sanitary sewer from the common trench/common manhole configuration that it was built with in the 1920s.

**Oakmount Road Infrastructure Improvement Project:**

- Installation of 1,845 L.F. of 10” sanitary sewer and 66 service connections;
- Installation of 8 new sanitary manholes, 8 new storm manholes and 12 catch basins;
- Replacement of the water mains and water service connections;
- The replacement of the street pavement, curbs, and drive aprons. The pavement area was reduced from 24 feet to 22 feet, reducing the impervious surfaces in the ROW;
- The construction cost of the project is estimated to be \$ 1,698,200.00.
- The project has been awarded \$ 365,792 in NEORS D MCIP funds.

The second important project is the **Green Road Replacement of Bridge 07.47 and Resurfacing Project**. This project is sponsored by the Cuyahoga County Department of Public Works and the City of South Euclid. It has two major components: replacement of a bridge structure on Euclid Creek at Anderson Road and the resurfacing of the roadway from Mayfield Road to Monticello Boulevard. The bridge replacement is significant in itself, but also includes the elimination of a major Sewer System Overflow (SSO) that outlets under the bridge structure

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which is currently a major illicit discharge source. The elimination of this SSO will improve the health of the creek, and has also been granted NEORSO MCIP funds, in the amount of \$194,605.00,

The resurfacing project is notable in that it will be the first “road diet” project to be realized on the east side of the county. The provision of bike lanes on either side of the roadway will promote intermodal transportation and help reduce automobile pollution within the Euclid Creek Watershed. The City is working with the GCRTA and the Metroparks to enhance transportation connections to the Euclid Creek Reservation.

**HOUSEHOLDS BENEFITING FROM PROJECT**

	Bluestone to Adrian Road	Adrian to Mayfield Road
Argonne Road	46	147
Avondale	35	150
Bluestone	0	0
Winston	24	147
Ardmore	0	11
Delroy	0	15
Grantleigh	0	27
Plainfield	0	147
Villa	<u>0</u>	<u>31</u>
<b>Totals</b>	<b>105</b>	<b>675</b>