

**\*\* UPDATE March 2018 \*\***

## **NEW SEWER CONSTRUCTION IN YOUR NEIGHBORHOOD**

Dear Resident:

The Northeast Ohio Regional Sewer District has begun work on construction to reduce sewage overflows into the environment. The **Doan Valley Storage Tunnel (DVT) project** includes nearly four miles of rock tunnel under the City of Cleveland. Construction began in July 2017 and is progressing on schedule towards a completion date in early 2021.

The DVT system will control overflows and reduce CSO discharges (*see right*), providing improved water quality in Doan Brook and a cleaner Lake Erie.

***The project will impact traffic in University Circle beginning in late Spring.*** The Sewer District has done extensive coordination with the key stakeholders in the neighborhood. Lanes along several roads will be temporarily closed during construction (*see maps inside*). In addition, some trees will be removed, although there are restoration plans for the sites.

The most current traffic updates are available on Twitter. You can follow the Sewer District at **@neorsd** with hashtag **#DVTtraffic**.

If you have questions or concerns, please contact our Customer Service Department at **(216) 881-8247** or at **askus@neorsd.org**.



### ***What is CSO?***

“CSO” stands for ***combined sewer overflow***. Cleveland’s earliest sewers are combined sewers. Built around the turn of the 19th century, these sewers carry sewage and stormwater in a single pipe.

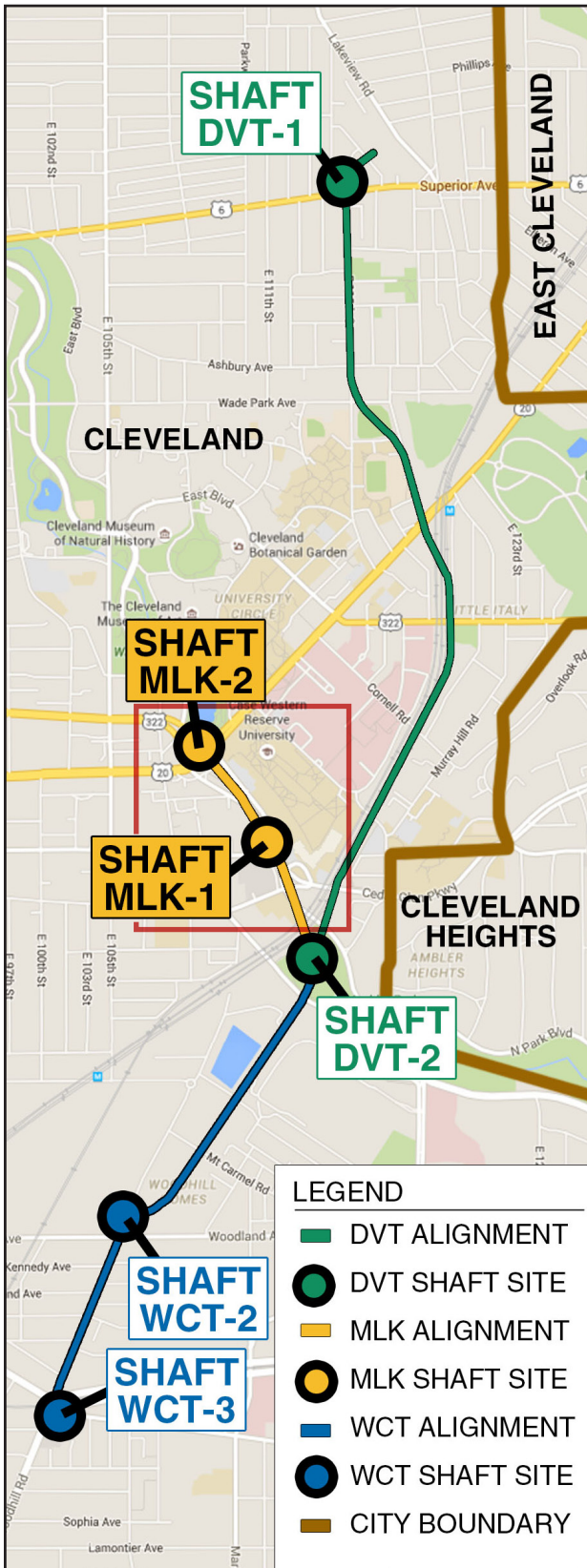
During heavy rains, when there is a dramatic increase of water flowing through the sewers, some of the combined wastewater and stormwater is allowed to overflow into area waterways (such as Lake Erie and Doan Brook) to prevent urban flooding. Combined sewer overflow harms our environment.

Learn more and see videos at ***neorsd.org***



**Kenneth Johnson, Ward 4  
Blaine Griffin, Ward 6  
Kevin Conwell, Ward 9**

# DOAN VALLEY STORAGE TUNNEL (DVT)



DVT project map, including all three tunnel segments (DVT, MLK, and WCT) and six tunnel shafts. The area in the red box is shown in more detail on the next page.

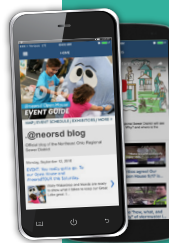
## POTENTIAL COMMUNITY IMPACTS

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

- Lane closures and traffic pattern changes, including bikeways
- Noise and vibration
- Dust, dirt, and/or mud
- Disruption to community aesthetics, including tree removal

## PROJECT BENEFITS

The DVT Project is one part of a federally-mandated consent decree. **Project Clean Lake** is a Sewer District program geared toward meeting Clean Water Act standards and addressing water-quality issues. The DVT system will help control overflows at 11 locations along Doan Brook, from Shaker Heights to Lake Erie. This control will contribute to Project Clean Lake's overall goal: capturing 98% of all combined sewer flows for treatment.



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# DVT TRAFFIC IMPACTS



- **Work Zone**
- **Traffic Lane Reduction**
- ⇒ **Traffic Flow**

One tunnel shaft location, “MLK-1,” is across the street from the Cleveland School of the Arts near the intersection of Carnegie Ave., MLK Jr. Drive. and Stearns Rd. The second location, “MLK-2,” is near the intersection of Euclid Ave. and MLK Jr. Drive. The existing Doan Brook Culvert and CSO sewers run under these shaft areas.

Construction will be performed in phases to minimize lane closure durations on Stearns Rd. Lanes along several roads will be temporarily closed while construction is performed. Traffic will be reduced to two southbound lanes on Stearns Rd., and three northbound lanes on MLK Jr. Drive.



The most current traffic updates are available on Twitter:  
Follow the Sewer District at [@neorsd](https://twitter.com/neorsd) with hashtag [#DVTtraffic](https://twitter.com/neorsd)



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**CONTACT US:** (216) 881-8247  
**BLOG:** [neorsd.org/dvt](http://neorsd.org/dvt)  
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## NORTHEAST OHIO REGIONAL SEWER DISTRICT DOAN VALLEY STORAGE TUNNEL PROJECT

Part of the Project Clean Lake Easterly CSO system

The project's four miles of rock tunnel sewer construction will provide huge CSO-control benefits.

### SCHEDULE

The entire project will be completed by 2021.

### COST

The construction contract amount is \$142.3 million.

### LENGTH & SIZES

- 10,000' (18' diameter) Doan Valley Storage Tunnel (DVT)
- 3,000' (8.5' diameter) Martin Luther King Conveyance Tunnel (MLK)
- 6,300' (8.5' diameter) Woodhill Conveyance Tunnel (WCT)

### BENEFITS

The project will reduce combined sewer overflows (CSO) by 365 million gallons annually, and decrease flooding during rain events.

### Other Sewer District Projects

EUCLID CREEK TUNNEL  
SYSTEM 2017

**380**  
MILLION  
GALLONS  
PER YEAR

DUGWAY STORAGE  
TUNNEL SYSTEM 2020

**570**  
MILLION  
GALLONS  
PER YEAR

DOAN VALLEY STORAGE  
TUNNEL SYSTEM 2021

**365**  
MILLION  
GALLONS  
PER YEAR

TOTAL BY  
2021

**1,315**  
MILLION  
GALLONS  
PER YEAR