Northeast Ohio Regional Sewer District

DOAN VALLEY STORAGE TUNNEL PROJECT

DESCRIPTION

The Doan Valley Storage Tunnel project (DVT) is part of Project Clean Lake, a $3B, 25-year program NEORSD began in 2011 designed to meet Clean Water Act standards and address water quality issues. The DVT is the 3rd of seven new large diameter tunnels and other projects that the NEORSD will use to reduce the 4.5 Billion Gallons of wet weather combined sewer overflows (CSOs) released into Lake Erie and its tributaries in the Greater Cleveland area.

DVT includes nearly four miles of rock tunnel 50 to 110-feet under the City of Cleveland, divided into three segments: the 18-foot diameter Doan Valley Storage Tunnel (DVT), the 8.5-foot diameter Martin Luther King Conveyance Tunnel (MLK,) and the 8.5-foot diameter Woodhill Conveyance Tunnel (WCT), as shown in the map on the right. The expected project schedule is shown below.

DVT Project Schedule

	Year						
Project	2015	2016	2017	2018	2019	2020	2021
Design							
Bidding							
Construction							

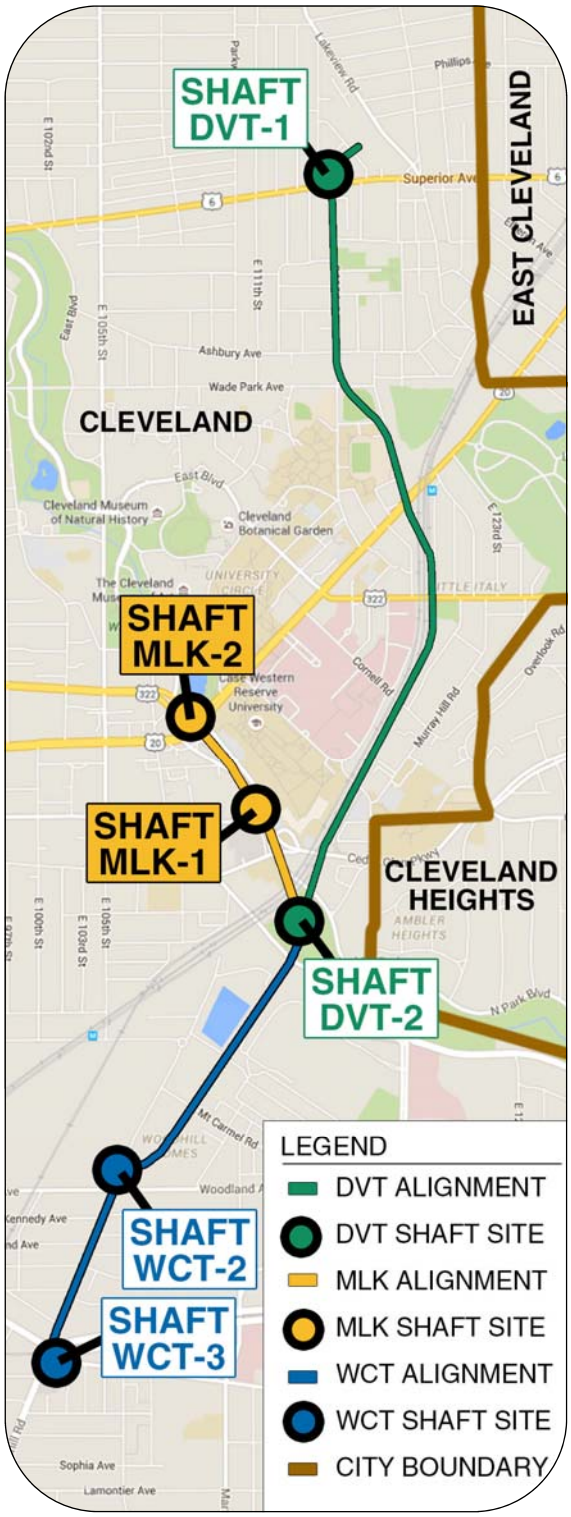
PROJECT BENEFITS

The DVT system will control overflows at 11 permitted CSO locations along the Doan Brook and will reduce CSO volumes discharged into the brook by 365 million gallons each year, providing:

- Improved water quality in Doan Brook;
- A reduction in public health risks associated with CSOs;
- A cleaner Lake Erie for drinking water, boating, beach-going, and other recreational purposes; and
- Wet weather flood relief mitigation.

CONSTRUCTION COST: $145 Million (Est.)

STATUS: Engineering Complete; Bids Open March 2017



DVT alignment map, including all three tunnel segments (DVT, MLK & WCT) and six tunnel shafts

FEBRUARY 2017