

NORTH SYSTEM RENEWAL



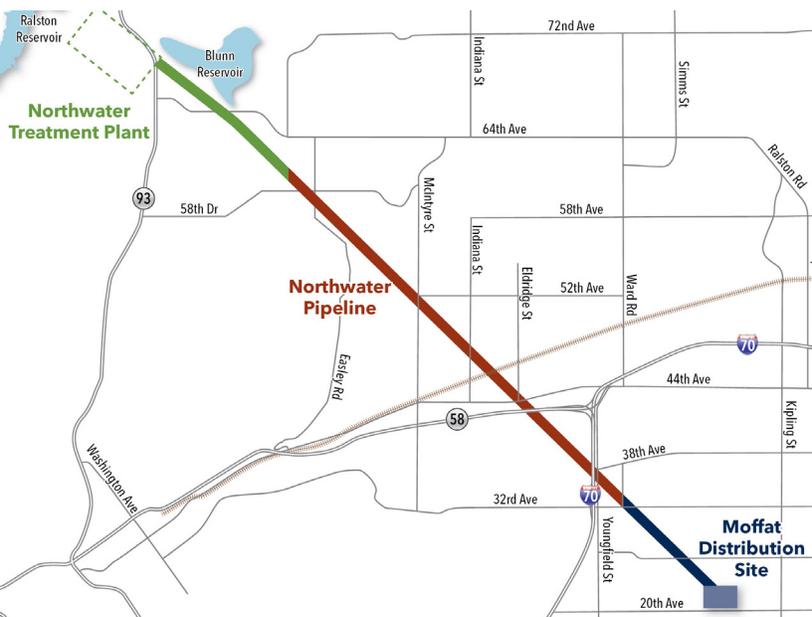
Northwater Pipeline West Phase Construction

July 2018

ABOUT NORTH SYSTEM RENEWAL

Denver Water is celebrating serving the Denver metro area for 100 years in 2018. The water we provide to 1.4 million residents helps maintain a vibrant city and many of its surrounding suburbs.

Construction is underway on the North System Renewal (NSR), a critical update to Denver's northern infrastructure. Denver Water's North System brings snowmelt from the mountains through reservoirs, pipelines and a treatment plant to produce clean, great-tasting water for our customers. Water is transported through the Moffat Tunnel and stored in Ralston Reservoir located in Jefferson County. Currently, untreated water is sent through two pipelines from Ralston Reservoir to the Moffat Treatment Plant in Lakewood, where it is treated and distributed to homes and businesses across Denver Water's service area.



NORTHWATER PIPELINE CONSTRUCTION

The NSR project involves installing the new Northwater Pipeline, a 66" diameter pipeline replacing one of the two existing 8.5 mile long pipelines running between Ralston Reservoir and the Moffat Treatment Plant. The new pipeline will transport treated water from the new Northwater Treatment Plant to the Moffat site for distribution to Denver Water's customers. The project will cost \$80 million and work will be completed in three phases.

WEST PHASE

Summer 2018 - Early 2019

CENTRAL PHASE

Fall 2018 - Summer 2020

EAST PHASE

Spring 2019 - Winter 2020

FOR MORE INFORMATION

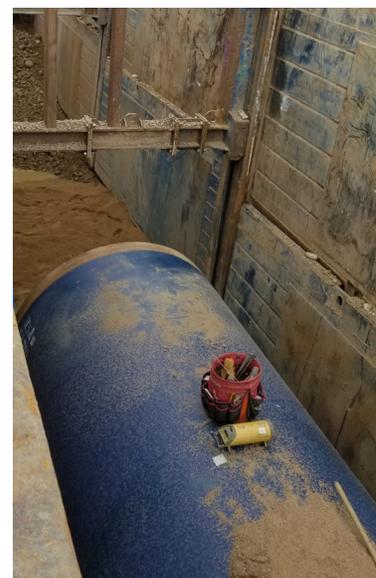
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CONSTRUCTION HOURS

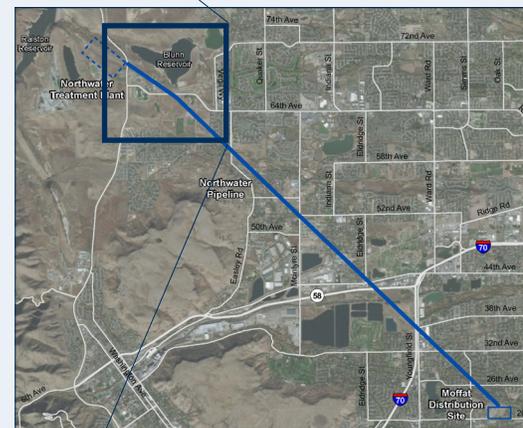
Construction will generally occur Monday - Saturday between the hours of 7 a.m. - 7 p.m. Crew schedules in each location may vary on a day-to-day basis within this timeframe. Construction timelines are subject to change based on weather, schedule adjustments and the availability of equipment and materials.



ABOUT THE WEST PHASE

West phase construction of the Northwater Pipeline will consist of installing 1.7 miles (approximately 9,330 feet) of the 8.5 mile route of 66-inch diameter steel pipeline from the east side of State Highway 93 to Denver Water’s Van Bibber facility located on West 60th Avenue.

Denver Water’s contractor, Garney Construction, will begin construction this summer with anticipated completion of the west phase in early 2019.



WEST PHASE SCHEDULE

Location	Activity	Impact	Schedule
64th Avenue	Open cut at crossing	Lane shifts, no full closures	August 2018
60th Avenue	Open cut at crossing	Lane shifts, no full closures	October - November 2018
Arvada Treatment Plant	Pipe re-location	No public impacts	Fall 2018
Long Lake Regional Park	Open cut installation through the park connecting with tunnel under Hwy 93	Construction staging and park access restrictions near active worksites	November 2018 - May 2019

BEING A GOOD NEIGHBOR

Denver Water is committed to supporting our neighbors and the surrounding community as we move through these projects. We will mitigate construction impacts and inconveniences wherever possible and communicate early and often to ensure that residents can plan accordingly.