

City of Des Moines



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Surface Water Utility Capital Improvement Project List

Projects in Construction

North Fork McSorley Creek Diversion Project

- **Project Summary**

A reach of the North Fork McSorley Creek west of 20th Avenue South was relocated and channelized in the 1970s to facilitate residential development. This proposal includes installing a diversion structure within the roadway where the stream intersects 20th Avenue South in order to divert seasonally high runoff flows into approximately 1,100 feet of a new 36-inch diameter pipeline. The pipeline will discharge diverted flows back into the stream approximately 175 feet west of South 245th Place. The diversion structure and bypass pipeline will be constructed in street right of way and in a public property tract.

- **Construction Activity**

The project has been substantially completed with the new diversion system successfully installed and site restoration complete. Project close out is now underway.

- **Grant Acknowledgment**

The success of the project was made possible in part by the support and funding of the King County Flood Control District. A total of \$285,000 was awarded to the project to support construction costs.

Redondo Creek Pipe Project

- **Project Summary**

This project is the upgrade of the storm ditch system and cage structure near the intersection of Redondo Way South & Sound View Drive South to reduce flood impact on Redondo Way S during large storm events. This project also includes the piping of approximately 20 feet of ditch-line and tight-lining an existing storm conveyance to a new storm structure.

- **Construction Activity**

The City's Surface Water Management Public Works Crew will construct this project. Construction began in late August and will be expected to be completed by mid-

September. Expect shoulder closure for one or two days near the intersection of Redondo Way South and Sound View Drive South.

- **Grant Acknowledgment**

The success of the project was made possible in part by the support and funding of the King County Flood Control District. A total of \$25,000 was awarded to the project to support permitting and construction costs through their Flood Reduction Grant Program.

Projects in Design

Barnes Creek/Kent-Des Moines Road Culvert Replacement Project

- **Project Summary**

In summer 2023, contractor crews working for the Washington State Department of Transportation (WSDOT) will begin construction of a new culvert beneath State Route 516, also known as Kent Des Moines Road, just west of 16th Avenue South. Barnes Creek is currently restricted by an aging culvert below the roadway. The replacement is part of WSDOT's [fish passage program](#); intended to correct barriers that impede fish migration.

- **Nine-day closure of SR 516 in 2023**

This project is scheduled to be advertised to contractors in August 2022 with construction expected to occur in summer 2023. Construction involves excavating a section of the roadway between 16th Avenue South and 10th Avenue South, installing the new culvert and repaving. **In order to complete the work safely and in a timely fashion, crews expect to keep SR 516 closed around-the-clock for nine days.** A signed detour will direct travelers around the closure using 16th Avenue South, South 240th Street and Marine View Drive South.

- **Emergency access**

Since the roadway will be totally excavated during the nine-day closure, it will not be possible for emergency vehicles to travel through the closed area. **First responders will need to use the signed detour or plan for alternate routes. Transit services will also need to plan on using different routes.**

- **Coordination and updates**

This project is currently in the design phase, as construction nears, WSDOT will begin messaging about the closure and provide schedule updates to a broader audience. This includes messaging on social media channels and working with local news outlets to get the word out. Updates will be posted to the [project webpage](#) as soon as they're available.

Des Moines Memorial Drive (208th-212th) Pipe Project

- **Project Summary**

This project entails installing approximately 1,500 feet of new 18” storm pipe and 14 catch basins to replace an existing system of ditch lines on the northwest side of DMMD. The project will extend from South 208th Street to South 212th Street. The project will increase the current capacity of this roadside system thereby reducing localized flooding. By removing the roadside ditch line and expanding the paved shoulder, there is an added benefit of safety for motorists. The City has initiated design of this project with the aim of construction in 2023.

Kent-Des Moines Road/16th Avenue South Pipe Project

- **Project Summary**

During large storm events, the capacity of the existing drainage system along Kent-Des Moines Road (KDM) is exceeded causing runoff to overflow across KDM. The existing public storm drainage system continues onto private property (located within a public drainage easement) and outfalls into Massey Creek. The City is working towards initiating a design contract that would increase the capacity of this system with the aim of bringing this project to construction in 2023.

Deepdene Plat Outfall Project

- **Project Summary**

This project assumes the replacement of 300 linear feet of outfall pipe with outfall diffuser and dissipater pad, and installing 2 catch basins and 150 feet of 12-inch pipe with road restoration for redirecting flows from the west side of Marine View Drive (MVD) to the east side of MVD to avoid the slide area. The phase of this project along MVD was completed in 2020.

Massey Creek Pocket Estuary and Fish Passage Project

- **Project Summary**

This project aims to promote salmon health by improving riparian vegetation, removing armoring and fill, and by enhancing the nearshore estuary environment at the mouth of Massey Creek. Feasibility, site assessment, and initial design will begin in 2022.

- **Grant Acknowledgment**

The success of the project is made possible in part by the support and funding of the King County Flood Control District. A total of \$365,000 was awarded to the project to support design and permitting costs through their Flood Reduction Grant Program.

Des Moines Creek Pocket Estuary Project

- **Project Summary**

This project will improve riparian vegetation, remove armoring and fill, and enhance the nearshore estuary environment at the mouth of Des Moines Creek. The project will also evaluate the feasibility of public access and connectivity improvements between the Des Moines Marina and Des Moines Beach Park. City staff is currently engaging potential grant partners in funding the site assessment and 30% design phases.