

Hillcrest and Folwell Ridge Channel Stabilization (J6706)

This project is anticipated to start in December 2019 and be completed in May 2020.

The project area, which consists of an eroded stormwater conveyance channel, is located between 22nd and 23rd Avenues SW and between 3rd and 5th Streets SW along the east (back) property boundaries of the residences that are located along 23rd Avenue SW. The channel conveys stormwater runoff from the immediate area that lies adjacent, as well as the discharge from a regional wet sedimentation basin that is located immediately south of 5th Street SW within the southeast quadrant of the intersection of 5th Street SW and 23rd Avenue SW. Stormwater runoff conveyed within the channel is routed into an existing 48-inch storm sewer system that is located within 3rd Street SW that connects to a 54-inch trunk line storm sewer that lies within 23rd Avenue SW. This trunk line extends through 2nd Street SW and ultimately outlets into a bypass channel that connects to Cascade Creek east of Cascade Lake.

A direct consequence of the development that has occurred within the contributing drainage area of the channel and implementation of the regional wet sedimentation basin is increased stormwater runoff volume and the extended duration of discharges. These conditions have caused the conveyance channel to flow continuously and degrade over time creating and resulting in nuisance conditions that have inhibited maintenance activities such as mowing for the adjoining property owners near the channel. The discharge from the wet sedimentation basin also creates flood conditions north of 3rd Street SW when the inlet becomes clogged with ice and debris or discharges from the regional detention facility exceed the capacity of the downstream storm sewer. Although no property damage has been reported, overland flooding has occurred within the properties to the north into 2nd Street SW creating potentially hazardous conditions for residents of the downstream property and within 2nd Street SW.

This project will consist of installing storm sewer within an existing drainage easement that will connect the outlet of the existing regional pond at 5th Street SW to the storm sewer located within 3rd Street SW.

Project Benefits

The project will benefit the surrounding neighborhood by (1) mitigating the influence of upstream development by maintaining dry conditions within and adjacent to the channel corridor, (2) reducing City maintenance requirements of the drainage easement by eliminating channel erosion and vegetative management, and (3) reducing the potential for overland flooding north of 3rd Street SW.

Project Cost and Funding

The estimated project cost is approximately \$275,000. Funding for this project is derived from the Storm Water Utility reserve.

Construction Impacts

Impacts to vehicle traffic:

- Minor traffic impacts are anticipated on 5th Street SW and 3rd Street SW, which serve as the primary access routes to the construction project. The contractor will be required to maintain access on both streets throughout construction.

Project Contacts

Troy Erickson, Project Manager
507-328-2419 • terickson@rochestermn.gov

Brian Monosmith, Construction Inspector
507-328-2447 • bmonosmith@rochestermn.gov

Project Location

