

# 2018 Public Works Construction Project Summary



## “The Zumbro River Starts Here” Stormwater Demonstration Project (J6666)

Construction is anticipated to start in April 2018 and the project will be completed by early August 2018

The City of Rochester was awarded an Environmental Protection Agency (EPA) Section 319 Grant in January of 2015 to improve the water quality of the Zumbro River by identifying feasible demonstration sites in the downtown area for demonstrating the implementation of green infrastructure designs, benefits, and maintenance practices (i.e., rain gardens, cisterns, green roofs, etc.) in an ultra-urban environment. Green infrastructure practices need to be implemented when (re)development projects exceed thresholds determined by the Minnesota Pollution Control Agency. Grant funds will be used to construct green infrastructure practices to demonstrate implementation, effectiveness, attractiveness and to clarify maintenance needs. The City’s vision is to provide “reliable and sustainable public infrastructure to support a vibrant community.”

### Project Benefits

The demonstration site will repurpose the area adjacent to the parking ramp, including parking spaces on the west side of 1<sup>st</sup> Avenue SW, to make a pocket park that demonstrates stormwater management practices including:

- Rainwater harvesting from the parking garage
- Curb cuts to accept runoff from the street
- Rain gardens to infiltrate stormwater
- Stacked Limestone fountain to filter and recirculate stormwater
- Underground storage of rainwater to supply irrigation and the water feature
- Filtration of stormwater
- Runnels to transport stormwater across the site
- Educational signage on stormwater management

Visitors to the demonstration site will learn from interpretive signage about why it matters that we help capture, purify and reuse stormwater and how stormwater best management systems do this. Visitors will also trigger water effects as they pass through the garden, demonstrating in real time how the various systems work.

### Project Cost and Funding

The total project cost is budgeted at \$555,000. Grant funding is based on a 45% cash/in-kind match by the local grant recipient. The City of Rochester received a 319 Grant award of \$300,000 that became available in January 2015 and is being allocated completely for construction. The City’s match portion is \$255,000.

### Project Contacts

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Construction Inspector TBD

### Project Location



### Construction Impacts

Impacts to vehicle traffic:

- The southbound traffic lane and parking spaces on 1<sup>st</sup> Avenue between Historic 3<sup>rd</sup> Street SW and the ramp exit will be closed during construction. (Northbound traffic and street parking will not be impacted.)

Impacts to pedestrian traffic:

- The sidewalk on the western side of 1<sup>st</sup> Avenue between Historic 3<sup>rd</sup> Street and 4<sup>th</sup> Street SW will be closed and pedestrians will be detoured.