

COON CREEK WATERSHED DISTRICT WATER QUALITY COST-SHARE AGREEMENT

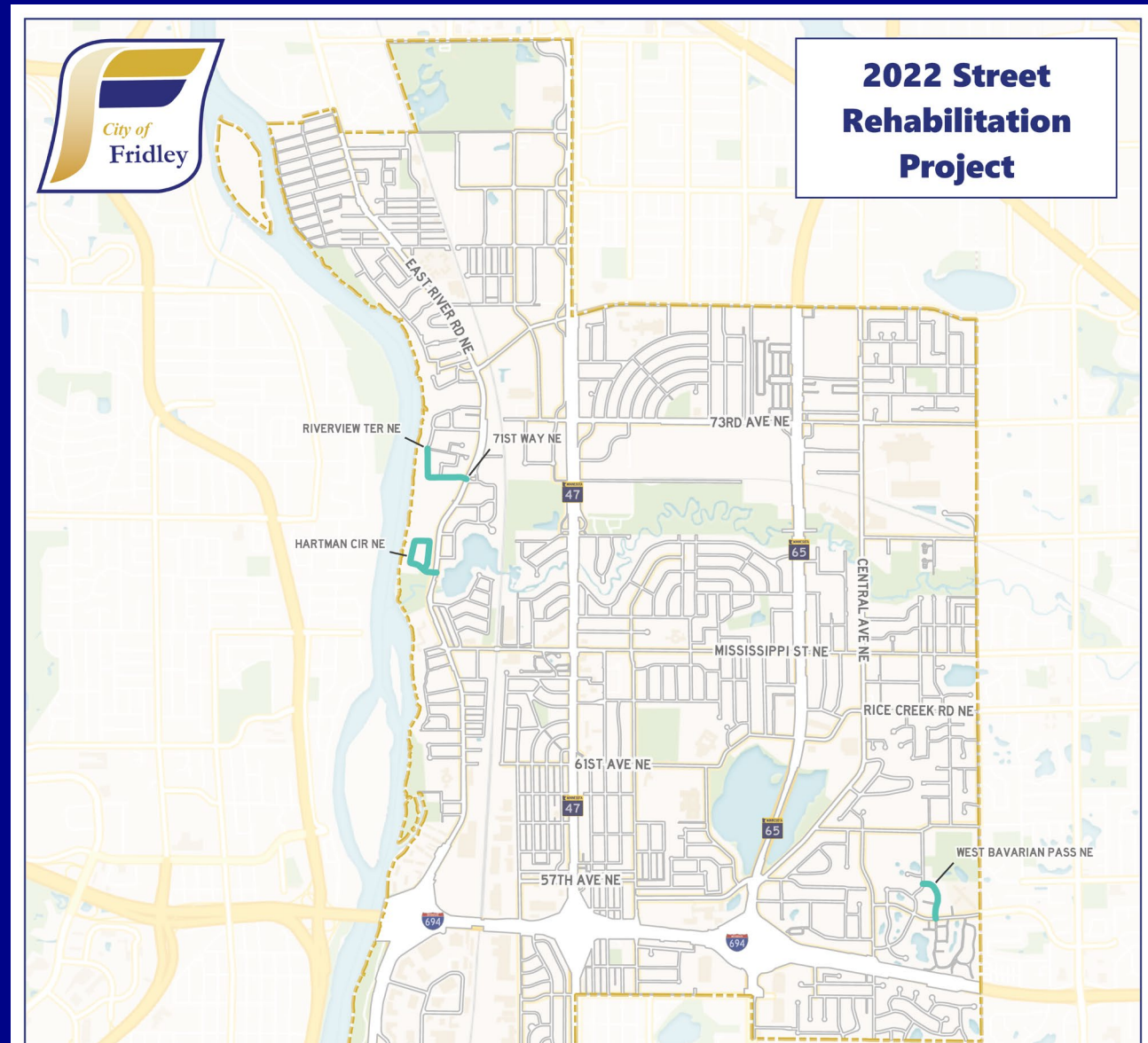
STREET PROJECT ST2022-01

MARCH 14, 2022



BACKGROUND

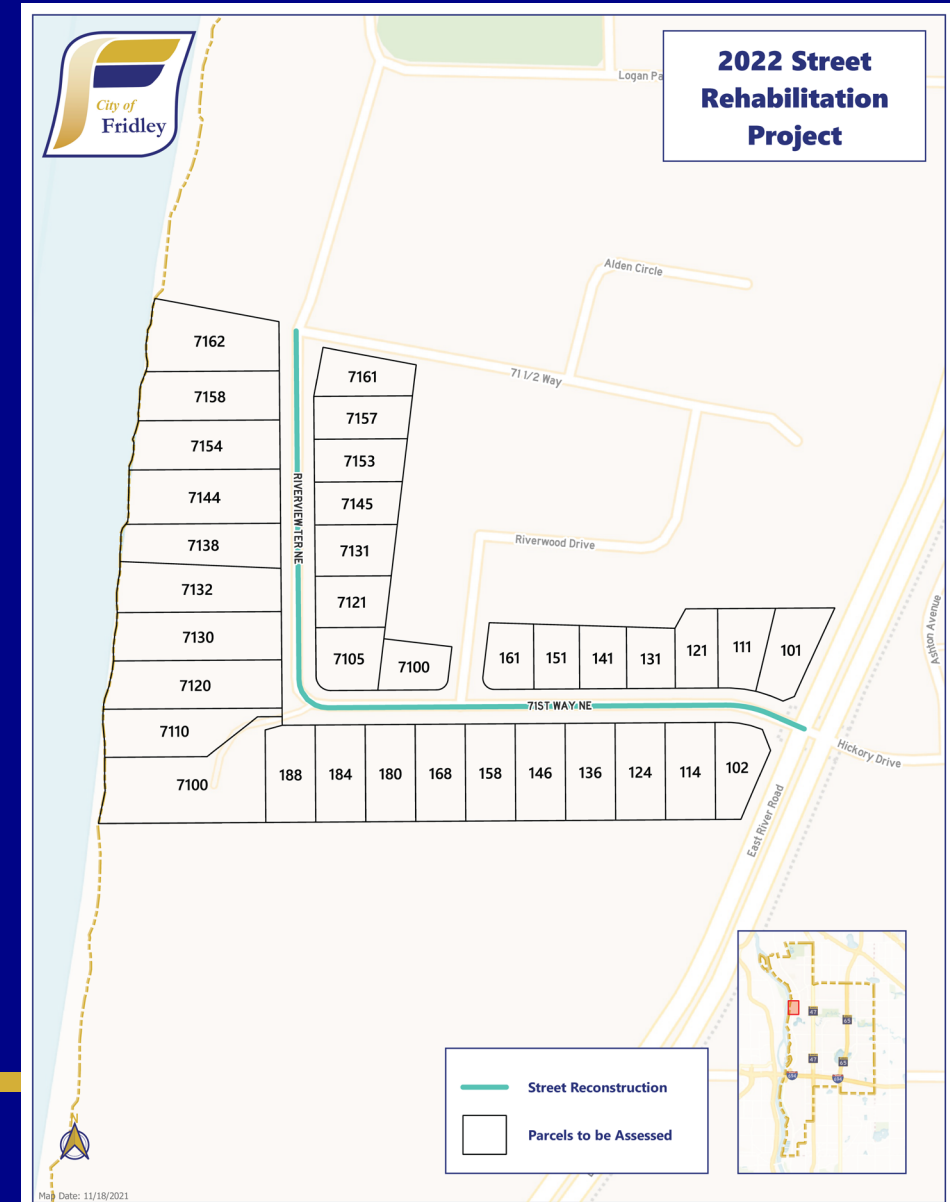
- The proposed 2022 project area includes West Bavarian Pass (Rice Creek WD), Hartman Circle (Rice Creek WD), 71st Way and Riverview Terrace (Coon Creek WD)
- The City Council authorized final plans and bidding of this project January 24, 2022.



RIVERVIEW TERRACE / 71ST WAY

PROJECT ELEMENTS

- Removal of pavement (Reclaim)
- Storm Sewer Utility & Drainage Improvements
 - Addition of Water Quality Structure at 7144 Riverview Terrace
- Curb Replacement / Re-paving Streets
- Restoration



TENTATIVE SCHEDULE

ITEM	DATE
Open Bids & Award	May 12, 2022 May 23, 2022
Private Utility Work (Gas Main & Service Replacement)	May 2022
Construction	June - September 2022
Final Hearing	October 2022
Notice of Assessment	October 2022
Assessments Begin (Payment Plan)	January 2023

FRIDLEY LOCAL WATER PLAN

- Adopted June 24, 2019

Goal: *"All of Fridley's surface waters can be enjoyed to their highest intended use"*

Action 1.1.A: *"The City in coordination with partner agencies, will install stormwater best practices during future capital investment projects[...]"*

Action 1.3.C: *"The City will integrate water quality and water quantity improvements into road reconstruction projects [...]"*



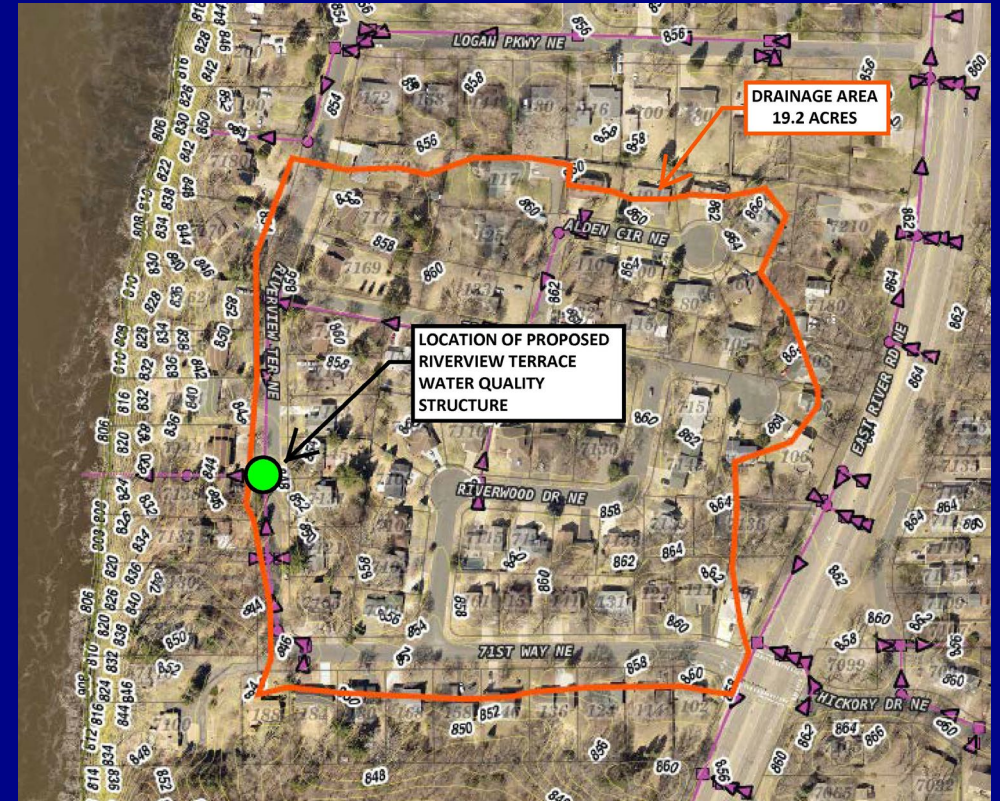
STORM WATER QUALITY

- Project Area storm water drains directly from project streets to Mississippi River
- Mississippi River in Fridley is impaired for:
 - Aquatic Life
 - Aquatic Recreation
 - Aquatic Consumption
- Road runoff contributes to these impairments:
 - Sediment
 - Nutrients
 - Bacteria
 - Other pollutants



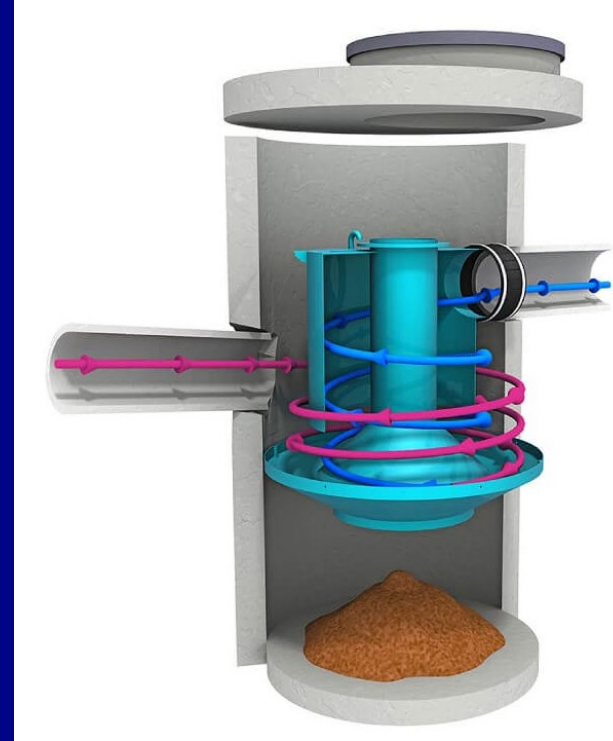
STORM WATER QUALITY

- Evaluated opportunities to improve water quality for cost-effectiveness
- Highest priority project:
 - Installation of a hydrodynamic separator at Riverview Terrace between 71st Way and 71 ½ Way
 - Similar to device installed successfully on Liberty Street during project 2020-01
 - Treat runoff from 19.2 acres of runoff from the residential neighborhood
 - Remove 11,500 pounds of sediment annually



HYDRODYNAMIC SEPARATOR

- Installed within storm sewer system
- Creates a vortex by directing storm water flowing in.
 - Sediment, oil, and floatables (trash) are deposited in the separator.
 - Vacuumed out with vac-truck twice per year
- All below ground
- No right-of-way needed
- Installed during construction, no additional impacts to residents
- Easy to integrate into existing maintenance program



FINANCIAL IMPACT

- Estimated at \$61,600
- Applied for and awarded a CCWD Cost-Share grant for \$30,000
 - 2020: Street Project 2020-01
 - 2021: Craig Park Project
- Match budgeted in Capital Investment Program for Watershed Cost-Share via the Stormwater Utility Fund
- No change to special assessments recommended

GRANT TERMS

- Agreement in packet, consistent with 2020 and 2021 award:
- City must provide 50% of the cost
- City must provide as-built records
- City will prepare an operations and maintenance plan
- City will provide documentation of pollution reductions in accordance with the stated water quality outcomes
- City will complete the project by December 31, 2023

REQUESTED MOTION

- Staff requests the City Council

move to approve Resolution 2022-22 approving the Coon Creek Watershed District Water Quality Cost-Share Agreement for the 2022 Street Rehabilitation Project

found on pages 125 to 138 of tonight's agenda

THANK YOU!