



Business Item 2024-314: 2023 Newport Inflow and Infiltration Grant



Environment Committee:

**Matt Gsellmeier, Budget Manager
Metropolitan Council Environmental Services**

Proposed Action

That the Metropolitan Council approve the awarding of \$2.75 million from the 2023 Minnesota Session Laws to the City of Newport and authorize the Regional Administrator to enter into a grant agreement with the city to reduce the amount of inflow and infiltration (I/I) to the sanitary sewer disposal system.

Legislative Language / Appropriation

- \$2.75 million for capital improvements to the municipal wastewater collection system within the city of Newport to reduce the amount of inflow and infiltration to the sanitary sewer disposal system.
- Funds need to be fully distributed by June 30, 2026.
- Funds received by Council in 2023 and are currently sitting in Environmental Services Operating Reserve.

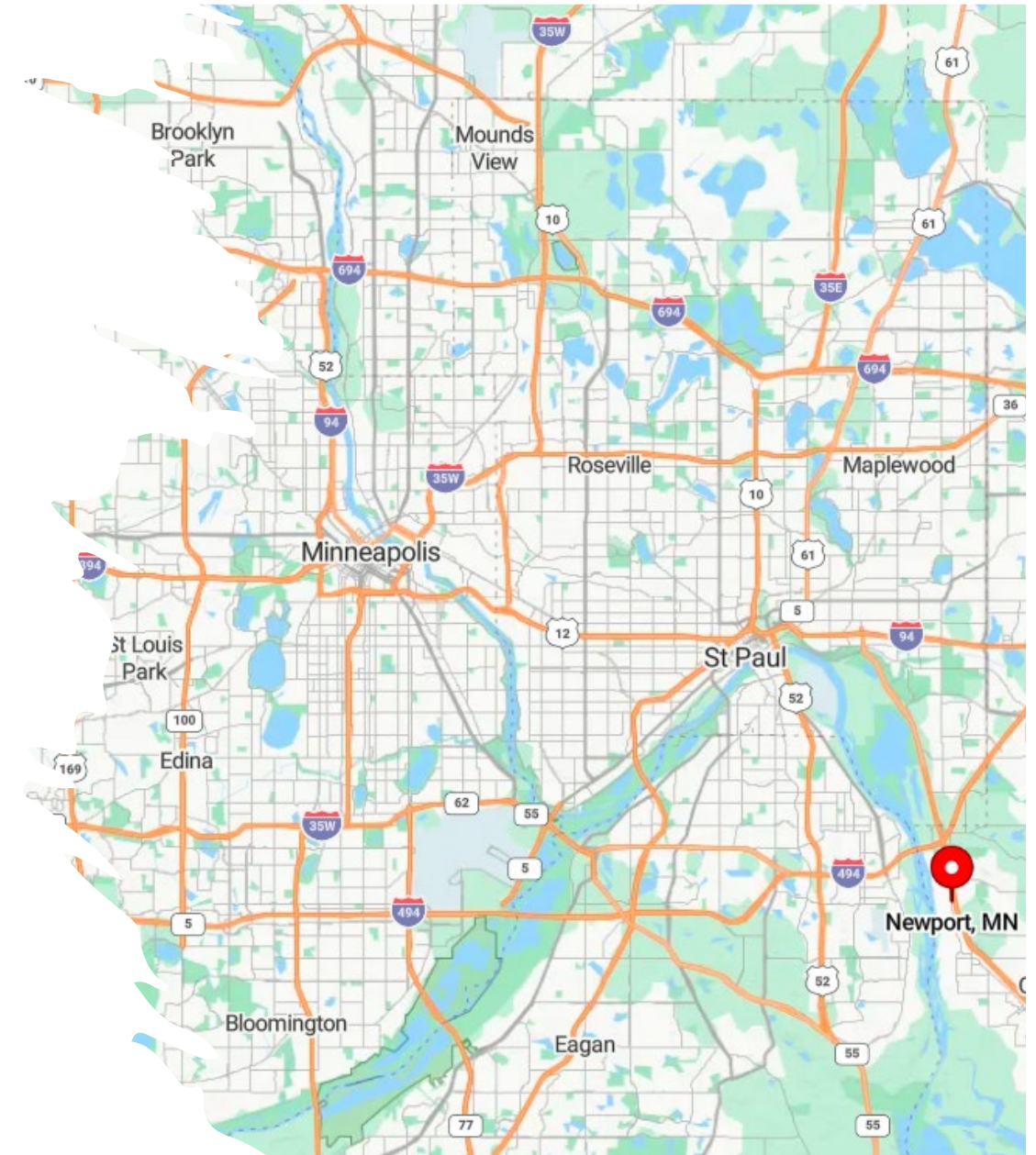
[Chapter 60 - MN Laws](#)



2025 Street & Utility Improvements | City of Newport, MN

Background

- The City of Newport is located in southern Washington County along the Mississippi River. Population 4,820 (2022)
- The majority of the City's infrastructure was constructed within bedrock utility trenches in the mid-1960's.
- The sanitary sewer collection system is highly susceptible to infiltration and inflow (I/I) due to aging VCP (vitrified clay pipe) sewer main, ductile iron services and concrete manholes.
- Stormwater runoff is concentrated toward water/sanitary sewer utility trenches within the bedrock due to insufficient stormwater management facilities.
- The following slides detail the City's proposed street and utility improvements and summarizes the costs of the eligible improvements

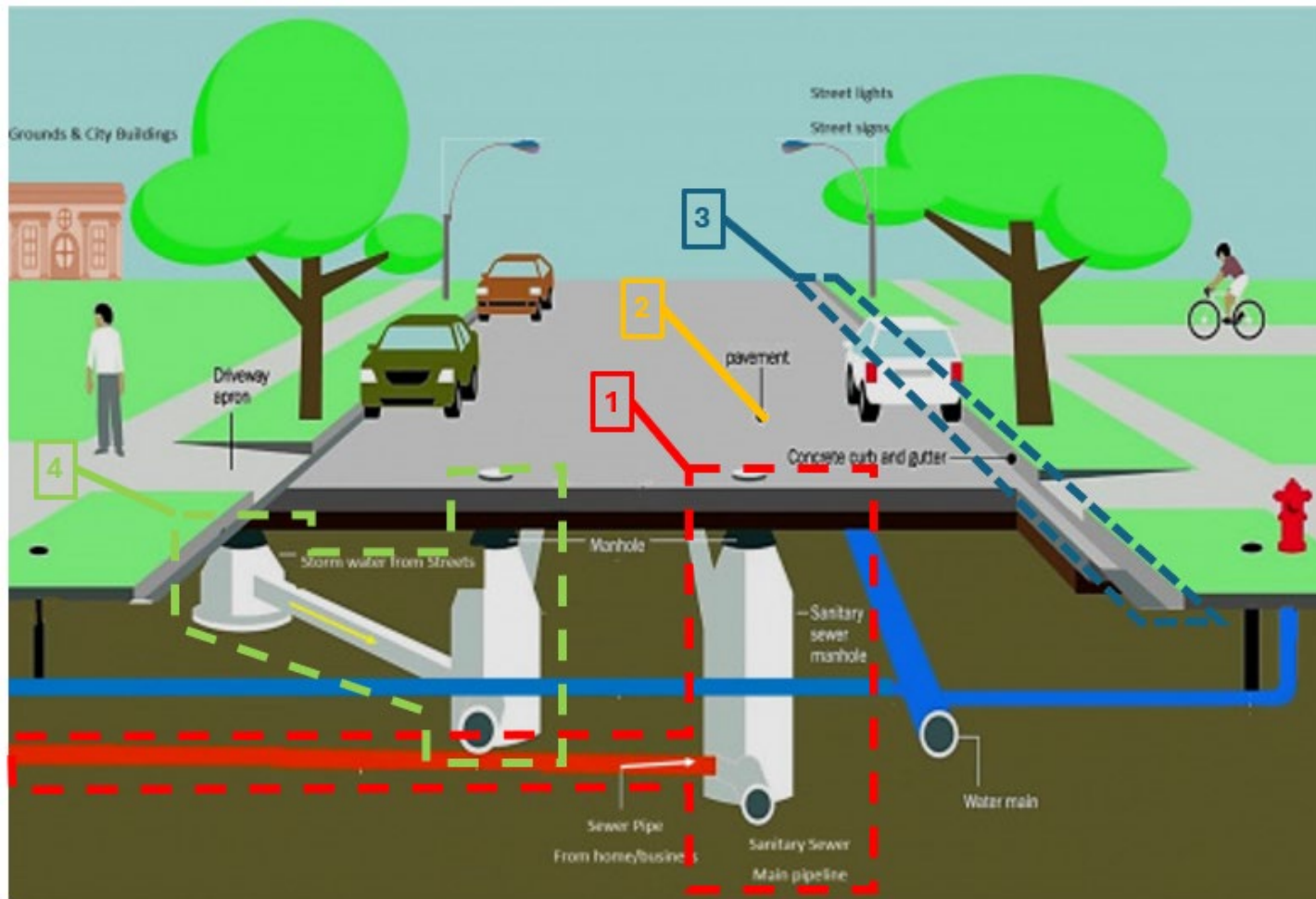


2025 Street & Utility Improvements | City of Newport, MN (Part 2)



- **2nd Avenue**
 - Termini: 17th Street & 15th Street
 - Total Length: 2,100 feet
 - Estimated Total Project Cost: \$3,422,000
- **3rd Avenue**
 - Termini: 21st Street & 16th Street
 - Total Length: 2,700 feet
 - Estimated Total Project Cost: \$3,974,000
- **17th Street**
 - Termini: 3rd Avenue & Cedar Lane
 - Total Length: 950 feet
 - Estimated Total Project Cost: \$1,277,000
- **Proposed Improvements**
 - Complete Sanitary Sewer and Watermain Replacement
 - Water and Sewer Lateral Replacements (within the right-of-way)
 - New Storm Sewer & Stormwater Treatment
 - Street Reconstruction Including Concrete Curb
 - Boulevard Restoration and Ancillary Improvements
 - Total Project Cost: \$8,673,000

2025 Street & Utility Improvements | City of Newport, MN (Part 3)



- **Group 1 – Sanitary Sewer**
 - Sanitary Sewer Main
 - Manholes & Castings
 - Service Laterals within Right-of-Way
 - Construction Cost: \$1,120,000

- **Group 2 – Pavement Restoration**
 - Pavement Removal & Replacement
 - Restoration
 - Construction Cost: \$640,000¹

- **Group 3 - Curbing**
 - Concrete Curb & Gutter
 - Construction Cost: \$335,000

- **Group 4 – Storm Sewer**
 - Storm Sewer Pipe, Structures & Castings
 - Construction Cost: \$1,880,000

1. Removal and restoration costs include 33% of total cost. Remaining costs associated with watermain and storm sewer construction

- ❖ No watermain and associated improvements/restoration are included.
- ❖ No overhead, engineering or property acquisition costs are included.

2025 Street & Utility Improvements | City of Newport, MN (Part 4)

Eligibility & Impact

- Group 1 – Sanitary Sewer (\$1,120,000 Eligible Costs)
 - Creates a water-tight collection system by installing PVC sewer main and laterals with gasketed joints; precast concrete manholes with gasketed barrel sections and resilient seals on pipe penetrations and new access castings with seals adjustment rings.
- Group 2 – Pavement Restoration (\$640,000 Eligible Costs)
 - In order to implement the sanitary sewer improvements described above and to promote more effective surface water drainage, a portion of the street must be removed and replaced. The cost represented above reflect 33% of the street reconstruction costs.
- Group 3 – Cubing (\$335,000 Eligible Costs)
 - Installation of concrete curbing will convey surface water into the storm sewer collection system rather collecting in the utility trench constructed within the shallow bedrock.
- Group 4 – Storm Sewer (\$655,000 Eligible Costs)
 - Similar to the concrete curbing, the storm sewer collection system directs surface water away from the sanitary sewer system which is susceptible to I/I. The costs above reflect approximately 1/3 of the total construction cost for the storm sewer installation.



The Proposed Action

That the Metropolitan Council approve the awarding of \$2.75 million from the 2023 Minnesota Session Laws to the City of Newport and authorize the Regional Administrator to enter into a grant agreement with the city to reduce the amount of inflow and infiltration (I/I) to the sanitary sewer disposal system.

Questions?

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