



HF1085

City of Arden Hills - City Sanitary Sewer Utility Forcemain Replacement

Total Cost of Project: \$1,200,000

Amount of State Capital Request: \$562,500

List of Local Matching Funds: City Sanitary Sewer Utility Fund - \$637,500

Has project received capital investment dollars in previous years? No

Year request first submitted: 2024

Can the project be phased? No

Scope: Design, construction, construction administration

Additional quick facts

- This sanitary sewer forcemain services Valentine Hills Elementary School, Mounds View High School, Bethel University and 640 residential homes.
- Existing pipe is 65-years old and this forcemain consists of 3,250-ft of 10-inch diameter cast-iron pipe.
- The proposed forcemain replacement will consist of 2,400-ft of 10-inch diameter PVC with expected service life of 100 years.
- The City has experienced several recent breaks with the existing forcemain. These breaks indicate the cast-iron material is failing and catastrophic failure is plausible in the near future.
- Was not programmed for replacement until cast-iron failures were experienced.
- Ramsey County has planned a pavement reconstruction project along County Road E in 2026 where a segment of the forcemain is located.
 - Replacement of the forcemain is needed now to avoid ripping up a new road surface.
- Existing forcemain is routed through residential properties via easements and under public roadways, the proposed route shifts the infrastructure away from residential properties and reduces the length of pipe.
- This replacement project with breaks and leaks will help to protect Lake Johanna and other bodies of water from illicit discharge.
 - Lake Johanna and Tony Schmidt Regional Park are located directly downstream of the forcemain.
- Arden Hills nearly 30% of the community is tax-exempt property, a population of approximately 9,500 residents with an expenditure budget of \$6.7 million in 2025, and this project would be **18%** of the City's annual budget.

Since 2015, Arden Hills has invested **\$1.9 million** into inflow and infiltration elimination projects.

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