



# Wastewater Regionalization Lift Station and Forcemain Improvements

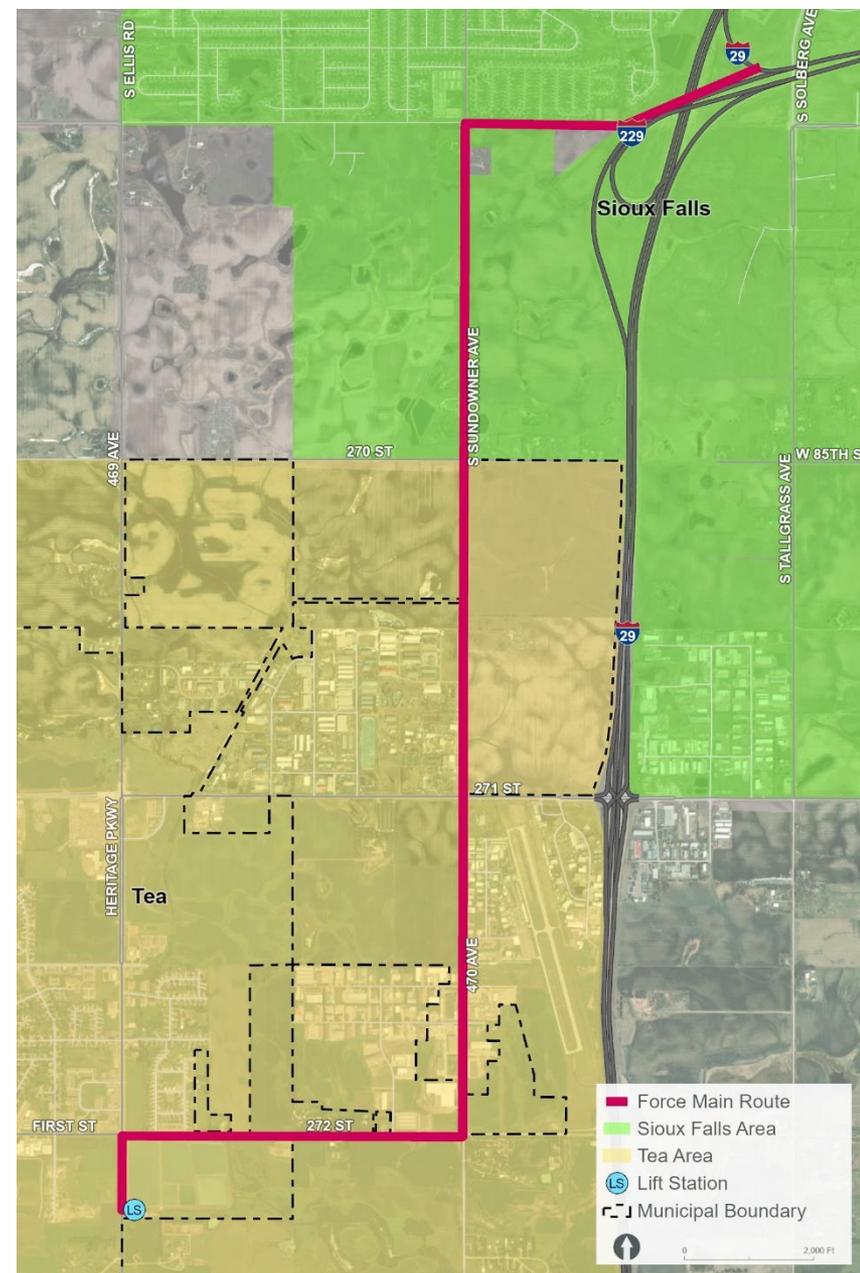


# Project Background

- 1) Wastewater Alternatives Presented to Council April 17, 2017
  - a) New WWTF
  - b) Regionalization
- 2) Joint Powers Agreement for Regional Wastewater Signed June 1, 2018
- 3) Installed New Aeration System October 2019
- 4) SD DENR Funding Awarded April 4, 2020
  - a) \$1,108,000 Grant (20%)
  - b) \$4,431,000 Loan – 30 years @ 2.125%

# Proposed Project Scope

- 1) Modify Existing Lift Station
- 2) New Equalization Lift Station
- 3) Force Main
- 4) Coordinate connection location with Sioux Falls
- 5) Site Survey
- 6) Easement Acquisition
- 7) Environmental – Wetland Delineations
- 8) SDC Payment \$4,978,000
- 9) Lift Station & Force Main \$7,392,000

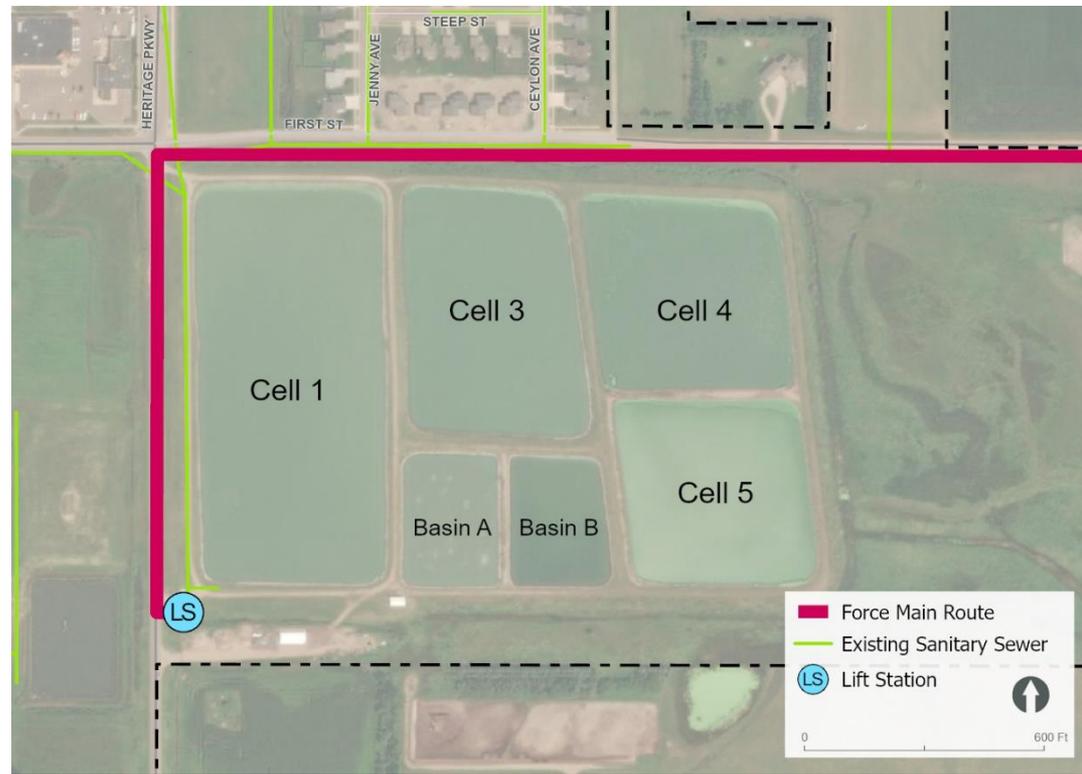


# Sewer Rate Comparison

City	5,000 Gal Rate
Harrisburg*	\$103.67
Brandon	\$69.94
Madison	\$49.30
Pierre*	\$48.75
Brookings	\$44.37
Yankton*	\$43.09
<b>Tea*</b>	<b>\$42.00</b>
Vermillion	\$38.43
Sioux Falls*	\$36.42
Huron*	\$30.72
Mitchell	\$30.42
Belle Fourche*	\$29.85
Sturgis	\$28.11

# Pumping Plan

- 1) Pumping Charge – 2021 - \$5.97/1,000
- 2) EQ Credit
  - a) 30 Days of Storage at AVD
  - b) 2021 -\$0.66/1,000 gal
- 3) Treatment Credit
  - a) BOD: 20 mg/l
  - b) TKN: 10 mg/l
  - c) TSS: 45 mg/l
  - d) 2021 - \$0.81/1,000
- 4) Minimum Pumped to Sioux Falls – 25,000 gpd
- 5) Maximize Discharge to 9-Mile
- 6) Long Term - Eliminate Cell 1



# Schedule

- 1) Begin Design June 2020
- 2) SDC Payment Due July 1, 2020
- 3) SRF Funding Application December 31, 2020
- 4) Bid Project After March 2021
- 5) Construction Complete Fall 2021/Spring 2022



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