

# TOWN OF MANHATTAN

WATER SYSTEM  
PRELIMINARY  
ENGINEERING REPORT

PUBLIC HEARING

MAY 2024

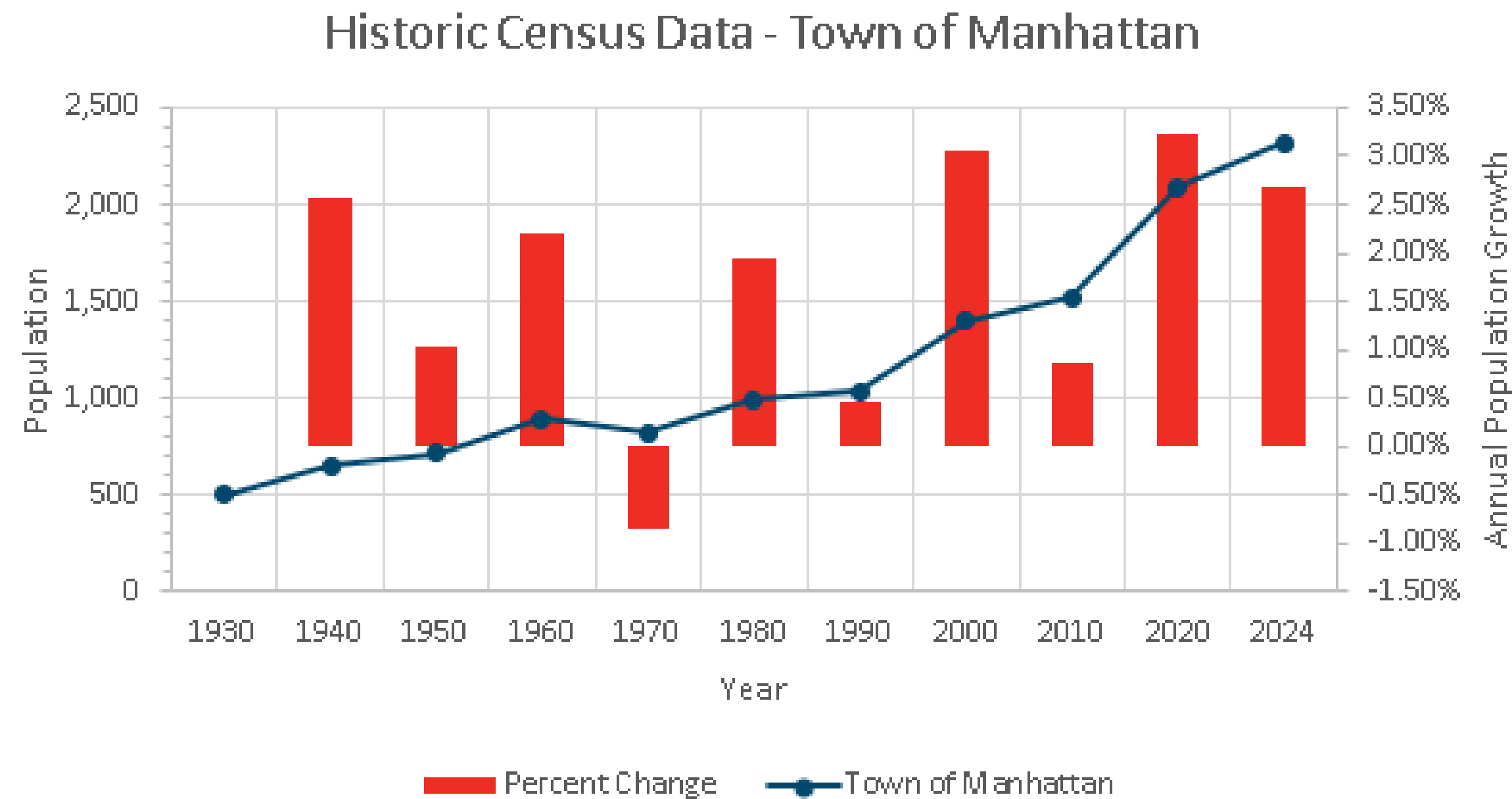


# OVERVIEW

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- Existing and Projected Growth
- Proposed Project
- Environmental Impacts
- Schedule
- Proposed Funding Package

# POPULATION



- Existing
- Population=2,319 people
- 20-year (@ 3.5% annual growth)
- Population=4,614 people



# PROPOSED PROJECT

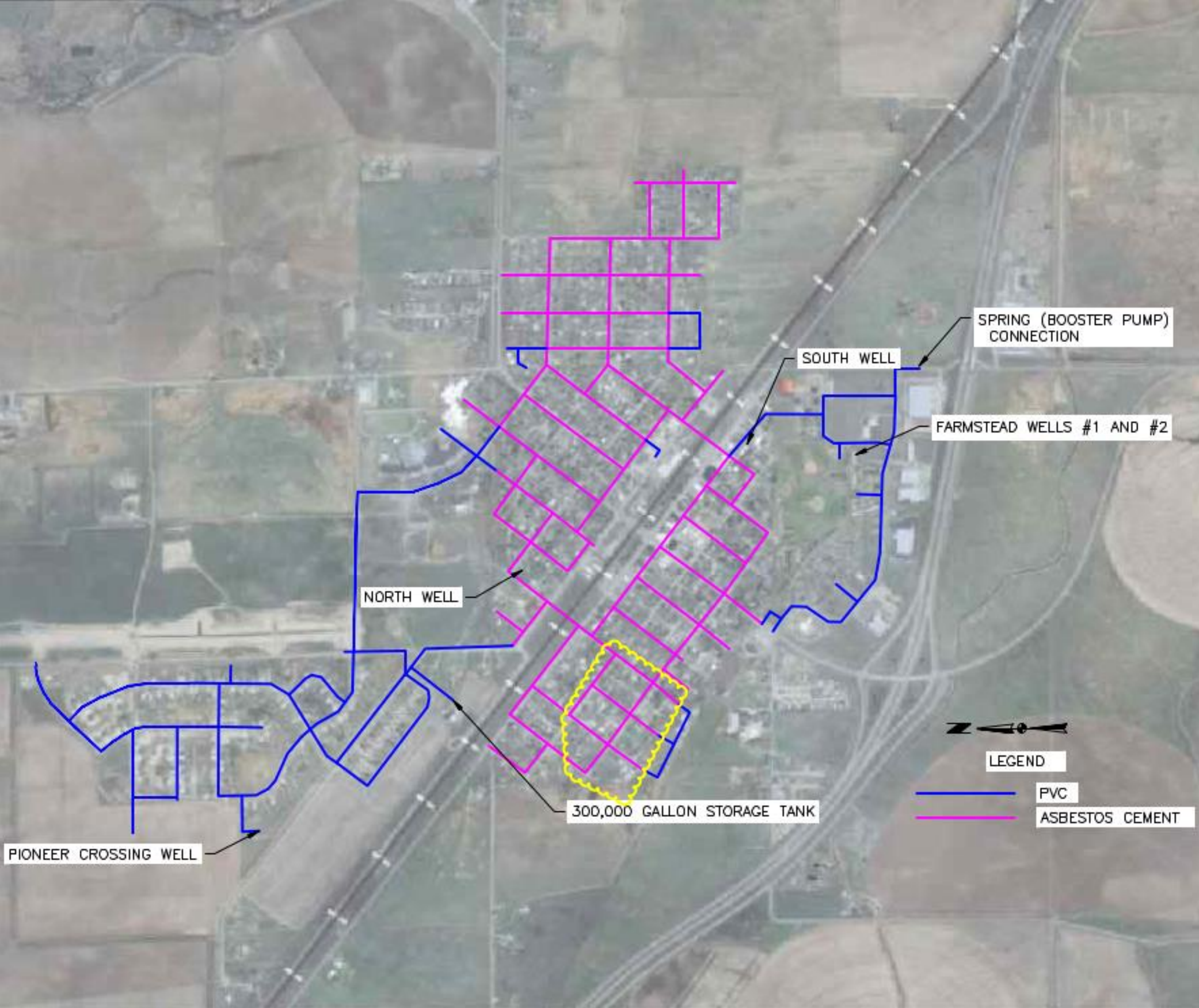
**PROJECT COST= \$1,172,000**  
**CONSTRUCTION=\$815,556**  
**CONTINGENCY=\$122,333**  
**ADMIN/LEGAL/ENGINEERING=\$234,472**





# PROPOSED PROJECT

- Replace  $\pm 4,200$  LF of AC mains
- 8.8% of all AC mains (47,800 LF)





# ENVIRONMENTAL IMPACTS

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- Proposed project will occur within previously disturbed land
- No Negative Environmental Impacts.
  - Wetland will not be impacted
  - Floodplain will not be impacted
  - Local plant and animal species will not be impacted
  - Historic and Cultural Recourses are not expected to be impacted
- Positive Environmental Impact
  - Reduce leakage
  - Remove AC pipe
  - Reduce required pumping
- Environmental Assessment/Environmental Impact Statement unnecessary

# SCHEDULE

Proposed Implementation Schedule	
Task	Estimated Completion Date
Submit Final PER	May 2024
DNRC Grant Application	May 2024
MCEP Grant Application	May 2024
RD Funding Application	July 2024
Funding Secured	May 2025
Start Engineering Design	July 2025
Preliminary Construction Plans and Specifications Complete	October 2025
Agency Comments on Construction Plans and Specifications	December 2025

Proposed Implementation Schedule	
Task	Estimated Completion Date
Final Construction Plans and Specifications Complete	January 2026
Advertise for Construction Bids	February 2026
Award Construction Contract	April 2026
Begin Construction	May 2026
Construction Complete	October 2026
One-Year Warranty Inspection	October 2027

# FUNDING PACKAGE



Renewable Resource Grant and Loan Program (RRGL)



Montana Coal Endowment Program (MCEP)



Rural Development Grant and Loan (RD)



State Revolving Fund Loan Program (SRF)

Non-Traditional and Other Resources

Water Resources Development Act (WRDA)

Project Cost \$1,172,000

Local Funds (12.8%) \$150,000

MCEP Grant (42.7%) \$500,000

RRGL Grant (10.7%) \$125,000

RD Grant (8.5%) \$99,250

RD Loan (25.4%) \$297,750

**Average User Rate \$30.43**

Increase of \$1.05

Assumes:

- 25% Grant/75% Loan from RD
- 40-year term
- 2.75% interest



# QUESTIONS?

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Kyle Scarr, PE

[Kyle.Scarr@tdhengineering.com](mailto:Kyle.Scarr@tdhengineering.com)

Nicole Rediske, PE

[Nicole.Rediske@tdhengineering.com](mailto:Nicole.Rediske@tdhengineering.com)

Matt McGee, PE

[Matt.McGee@tdhengineering.com](mailto:Matt.McGee@tdhengineering.com)