

2018 Street Reconstruction Project

Public Hearing
February 20, 2018



Capital Improvement Program

- City Initiated Program
- Reconstruct Aging Public Streets and Utilities
- CIF-18-003 2018 Street Reconstruction

2018 thru 2022

Capital Improvement Plan
City of Shakopee, Minnesota

Project # **CIF-18-003**
Project Name **2018 Street Reconstruction**

Department **Capital Improvements Fund**
Contact **Public Works Director**
Type **Improvement**
Useful Life
Category **Street Reconstruction**
Priority **1 Critical for Safety/Preservat**

Accounting Code
Fund **Capital Improvement Fund**

Total Project Cost: **\$2,740,000**

Description
Street, sanitary sewer, storm sewer and watermain reconstruction: Shakopee Avenue from CSAH 17 to Market Street and Dakota Street and Minnesota Street from Shakopee Avenue to 10th Avenue.

Justification
To continue with the rehabilitation of the City's infrastructure.

	2018	2019	2020	2021	2022	Total
Expenditures						
Construction/Maintenance	2,340,000					2,340,000
Engineering/Administration	400,000					400,000
Total	2,740,000					2,740,000

	2018	2019	2020	2021	2022	Total
Funding Sources						
Capital Improvement Fund	1,060,000					1,060,000
Capital Sharing, SPUC	620,000					620,000
Cost Sharing, SPUC	400,000					400,000
Sanitary Sewer Fund	460,000					460,000
Special Assessments	200,000					200,000
Storm Drainage Fund						
Total	2,740,000					2,740,000

PROJECT LOCATION



Shakopee
Minnesota

City of Shakopee | (952) 233-9300 | www.ShakopeeMN.gov

2018 Street Reconstruction Project

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2018 Street Reconstruction Project

Existing Conditions

- Streets built between 1972 and 1976
- Streets vary from 41-42 feet wide and up to 50 feet with a bus loading area on Shakopee Avenue
- Concrete curb and gutter and storm sewer for drainage
- Original concrete sidewalk along south side of Shakopee Avenue and along east side of Dakota Street built in 2010



- Severe cracking, areas of patching, crown problems and curb and gutter deficiencies
- Pavement deteriorated and requires more than normal maintenance
- Sanitary Sewer main is vitrified clay pipe and was constructed in 1948 and 1966
- Sanitary Sewer services have been failing throughout the project area
- Watermain is cast iron pipe

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2018 Street Reconstruction Project

Proposed Street, Storm Sewer and Sidewalk Improvements

- Reconstruct streets to 37' wide and 9 ton design
- Bus parking lane adjacent to Pearson Elementary School
- Reconstruct Sidewalk along Shakopee Avenue
- Replace existing drainage structures and add additional to improve drainage



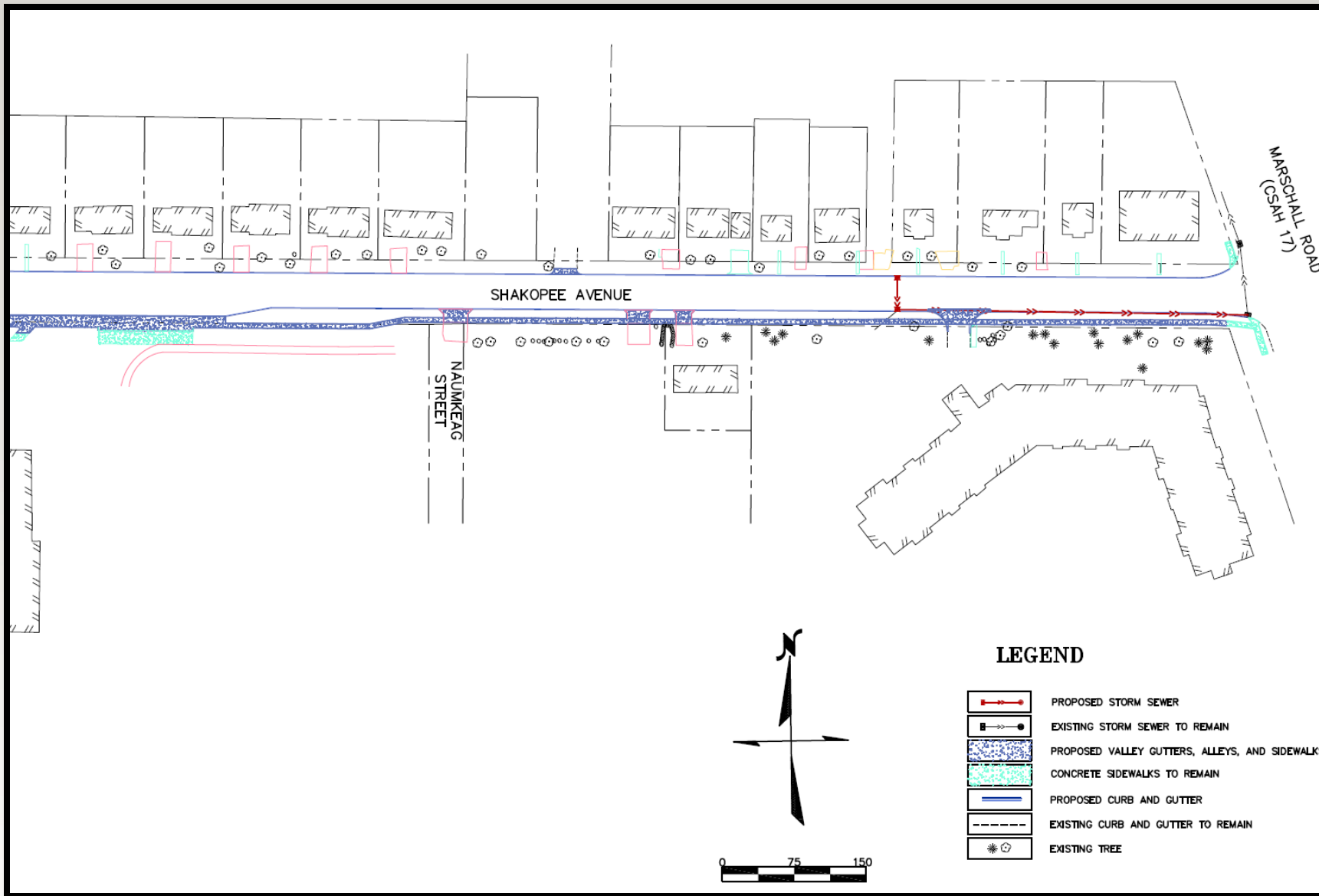
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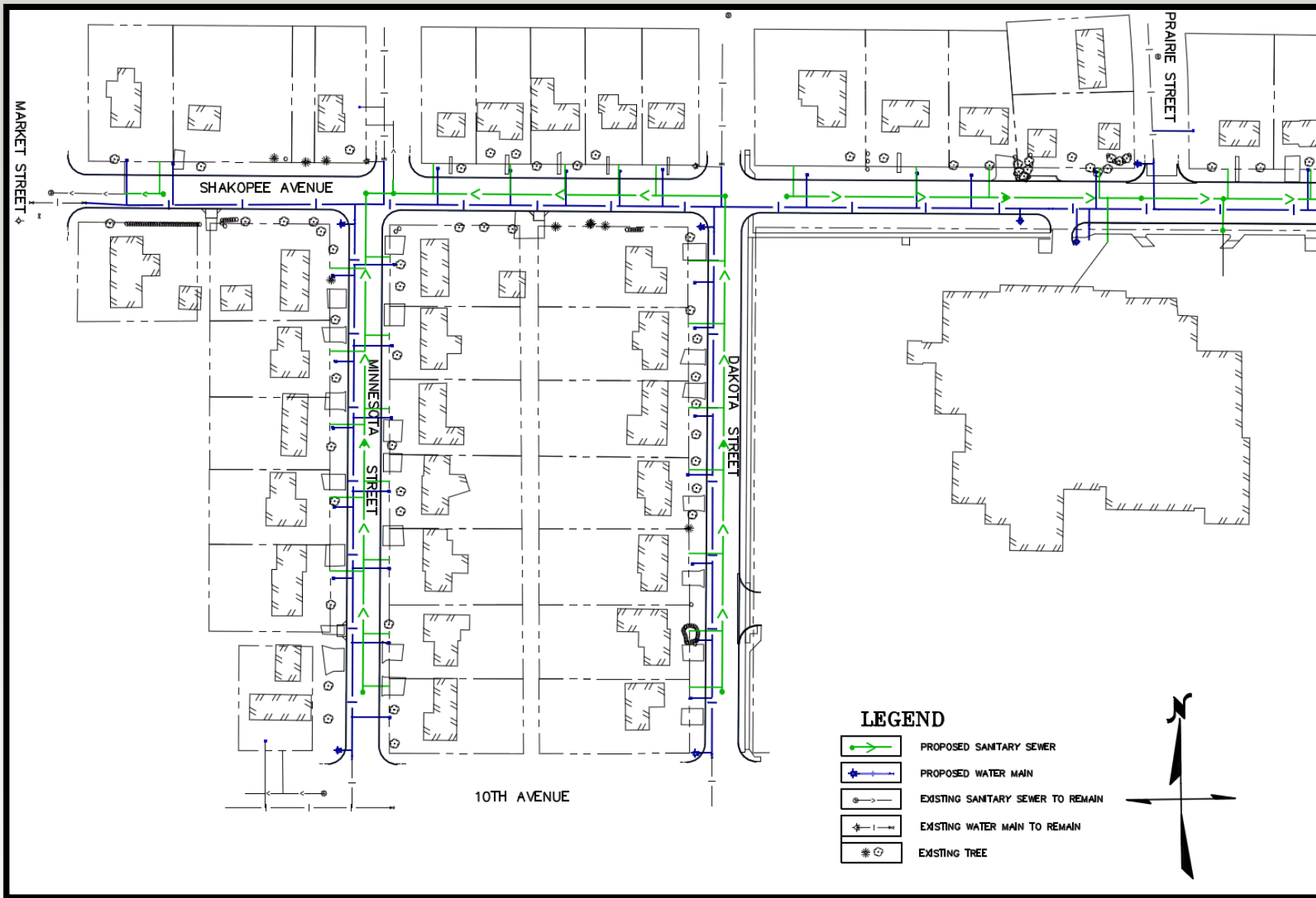
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2018 Street Reconstruction Project

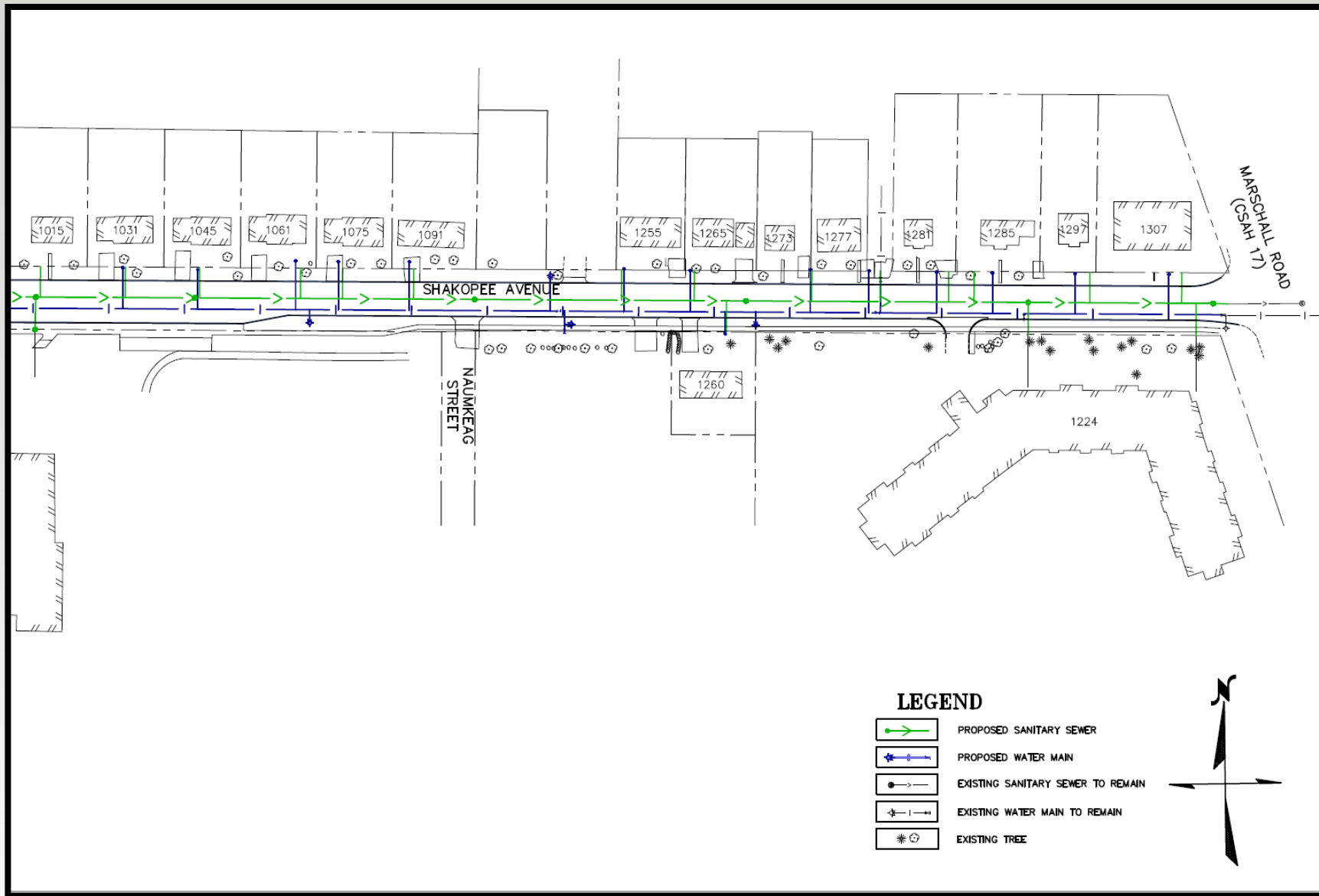
Proposed Sanitary Sewer and Water Main Improvements

- Reconstruct sanitary sewer main with 8" PVC pipe
- Reconstruct sewer services with 4" or 6" PVC pipe to the property line
- Reconstruct water main with 8" ductile iron pipe
- Reconstruct water services to curb stop with 1" copper pipe



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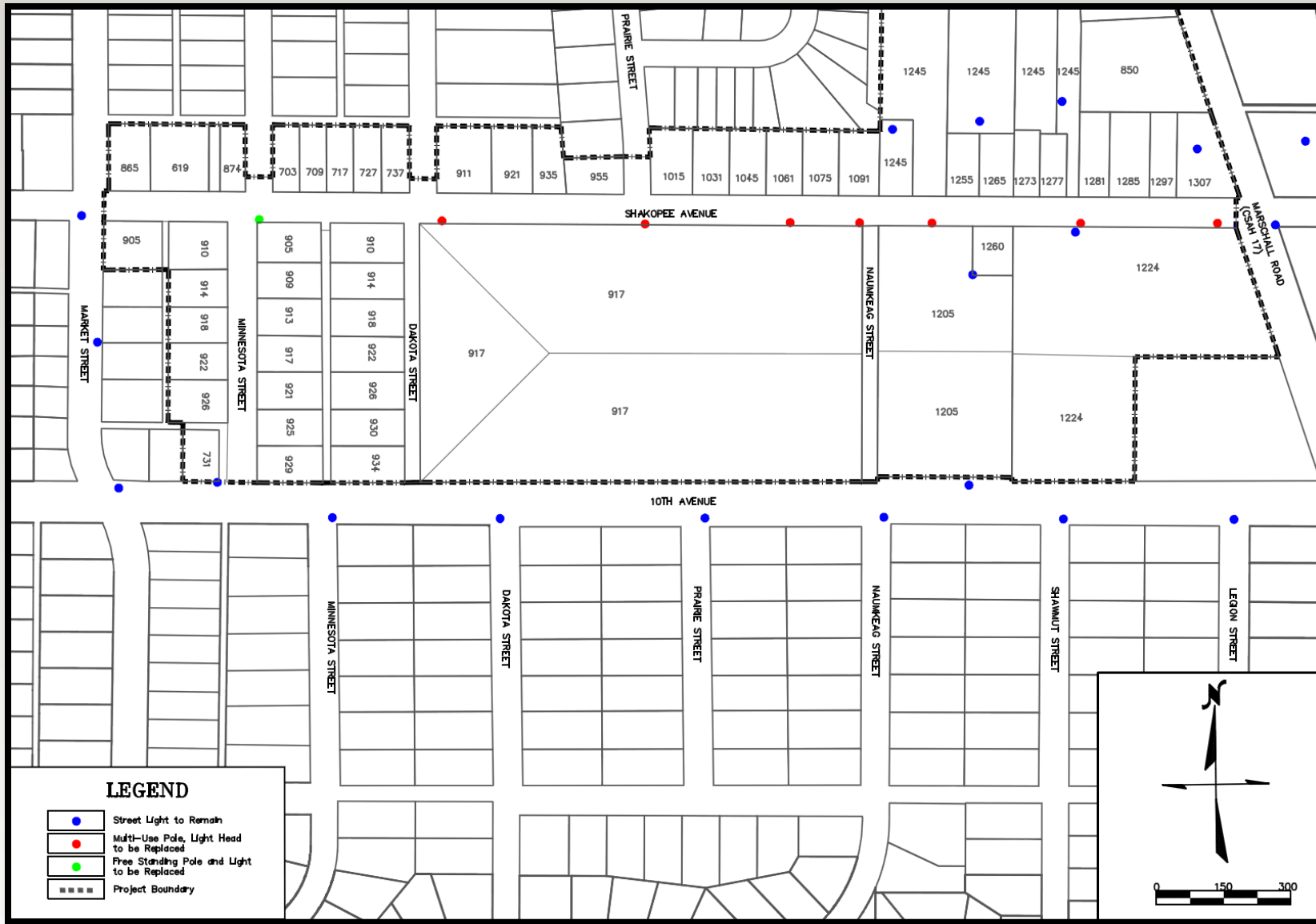
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2018 Street Reconstruction Project

Street Lighting

- Replace free standing wood pole with a fiberglass pole, cut-off type LED light fixtures and underground power service
- Replace street lights mounted on multi-use transmission poles with LED fixtures





Project Inconveniences



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Restoration

- Driveways that are disturbed due to the street construction will be replaced with similar materials
- Disturbed boulevards will be restored with topsoil and sod
- Tree replacement on 1:1 ratio in the fall



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2018 Street Reconstruction Project

Proposed Apportionment

Assessments	\$ 410,400
CIF	\$ 957,600
Storm Sewer Fund	\$ 253,000
Shakopee Public Utilities	\$ 498,000
Sanitary Sewer Fund	\$ 343,000
TOTAL COST	\$ 2,462,000

Note: This is a council initiated project that requires supermajority vote to proceed.

Assessment Method

30% of the street improvements and street lighting will be assessed

- Single Family Residential (zoning R1C and proposed land use) will be assessed on a per lot basis.
 - Corner lot adjustments made (half assessment per side of lot)

Cost of street in front of these properties / Number of properties = Per Lot Assessment Rate

- High Density Residential or Institutional (zoning and proposed land use) will be assessed using the area method of assessment.
 - Adjustments made to lot areas not benefitting from project

Cost of street in front of these properties / Acreage of properties = Per Acre Assessment Rate

Assessment Map



LEGEND

PER LOT ASSESSMENT
(SINGLE FAMILY RESIDENTIAL)

AREA ASSESSMENT
(HIGH DENSITY RESIDENTIAL/INSTITUTIONAL)

NON-ASSESSABLE PORTION OF PROPERTY

*

CORNER LOT

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Project Boundary

Preliminary Project Schedule

City Council Receives Feasibility Report, Calls for Public Hearing	January 16, 2018
City Council Holds Public Hearing, Authorizes the Project and Orders Preparation of Plans and Specifications	February 20, 2018
City Council Approves Plans and Specs, Authorizes Advertisement for Bids	March 6, 2018
City Receives and Opens Project Bids	April 2018
City Council Considers Award of Contract	April 2018
Start Project Construction	May 2018
Construction Substantially Complete	October 2018
City Council Declares Cost to be Assessed, Calls for Public Hearing	October 2018
Hold Assessment Public Hearing	November 2018