



2016 Street and Utility Improvement Project



Neighborhood Meeting
August 12, 2015

Presentation Overview

- Project Location
- Existing Conditions
- Proposed Improvements
- Discussion Items
- Project Costs
- Assessments / Funding
- Schedule
- Questions and Comments



East Golden Lake Road Near
East Golden Lake Circle

Project Location



Existing Conditions

■ Street

- ❖ 1.04 miles of residential streets constructed in 1967 (48 years old)
- ❖ Prevalent cracking in pavement (alligator, transverse, longitudinal, and edge)
- ❖ Condition index rated as “Poor” according to 2011 Pavement Management Program



Intersection of East Golden Lake Road
and East Golden Lake Circle



Intersection of No Name Street and East Golden
Lake Lane

Existing Sanitary Sewer Conditions

■ Sanitary Sewer

- ❖ Root intrusion in mainline and service lines, cracked segments, and mineral deposits at joints
- ❖ Sanitary sewer has multiple sagging segments
- ❖ High infiltration rate
- ❖ Lift Station was constructed in 1967 (48 years old)
- ❖ Existing Sanitary Sewer is Vitrified Clay Pipe

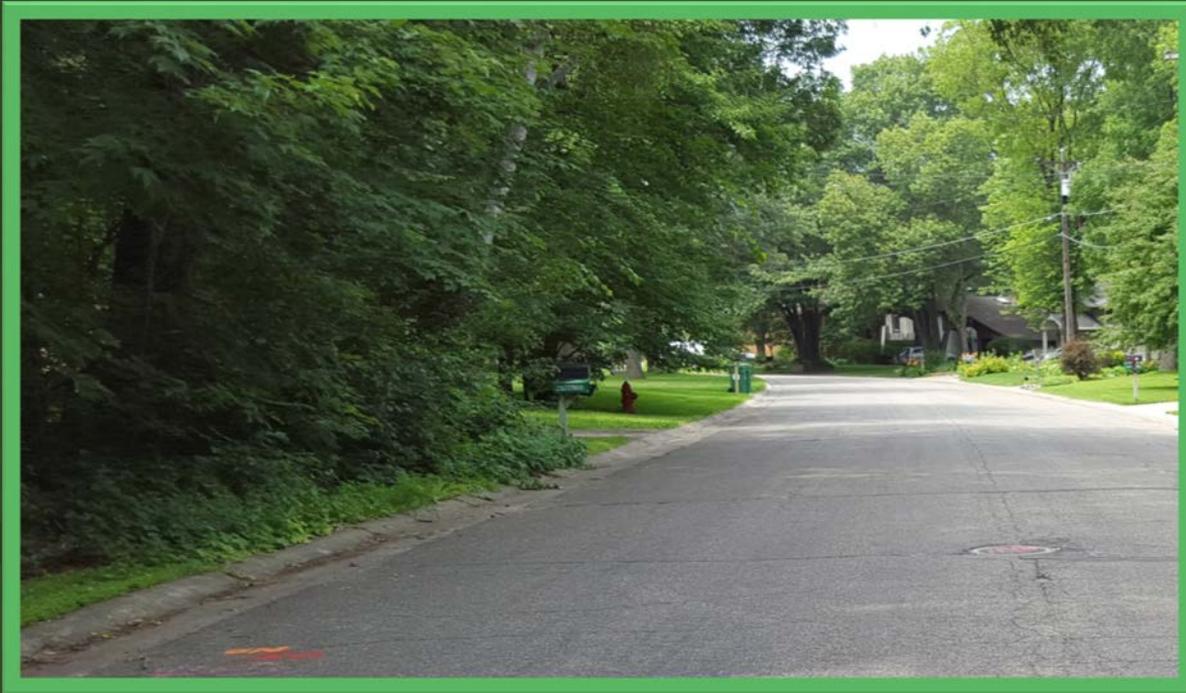


Existing Lift Station

Existing Water Main Conditions

■ Water Main

- ❖ Existing main line is cast iron pipe
- ❖ Some hydrant locations are not easily accessible



Hydrant on East Golden Lake Road
near East Golden Lake Circle

Existing Storm Sewer Conditions

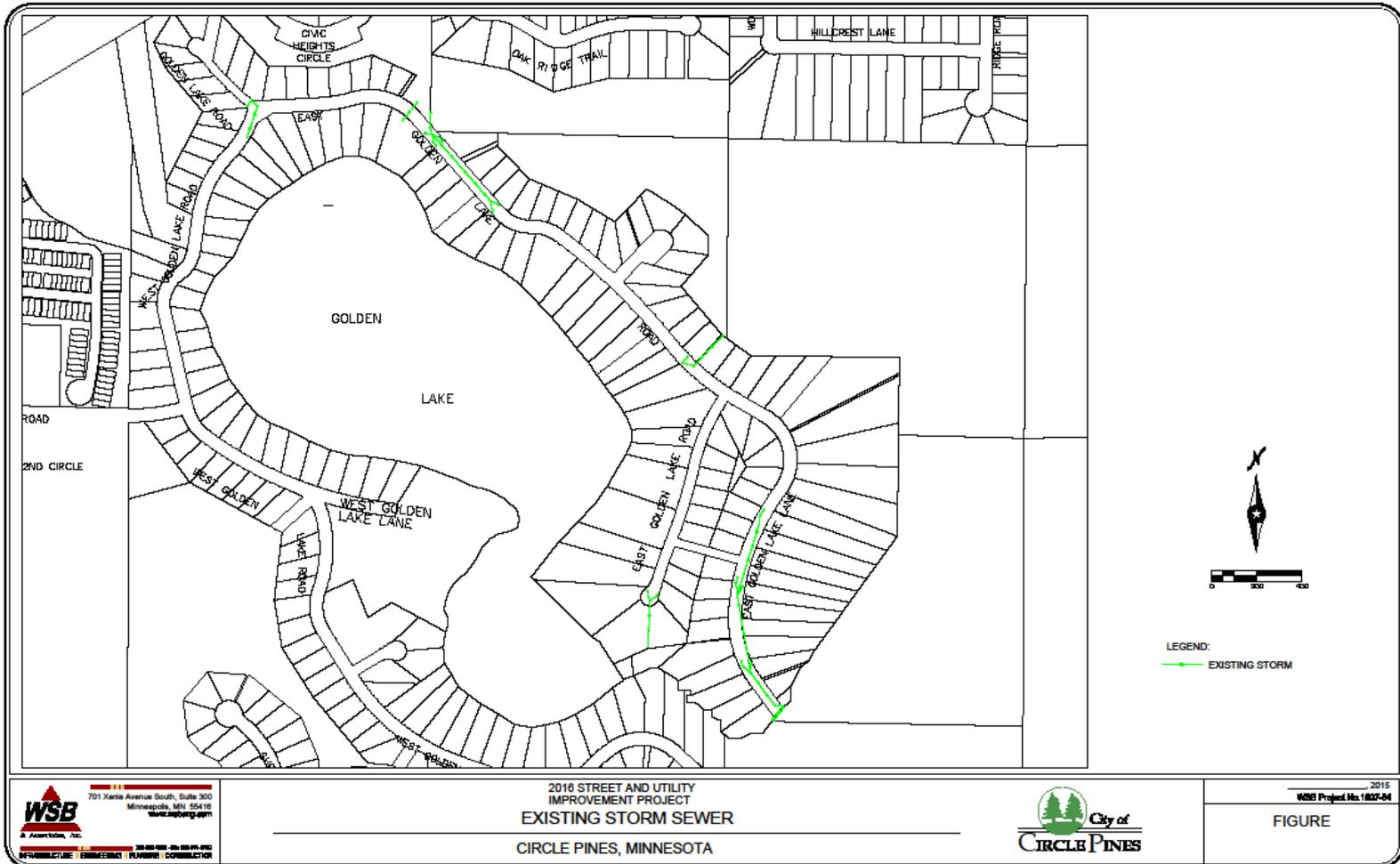
■ Storm Sewer

- ❖ Existing storm sewer was sized for current design standards at the time of construction
- ❖ Storm sewer discharges directly to wetland and Rice Creek without treatment
- ❖ Surface flow can cause surface deterioration of the pavement



Inlet on East Golden Lake Road

Existing Storm Sewer



Existing Gas Main



Proposed Improvements

■ Street Reconstruction

- ❖ Existing Widths
 - 32 foot street widths (East Golden Lake Road and Lane)
 - 24 foot street widths (connecting road for East Road and Lane)
- ❖ Complete reconstruction including curb and gutter, bituminous pavement, and subgrade preparation

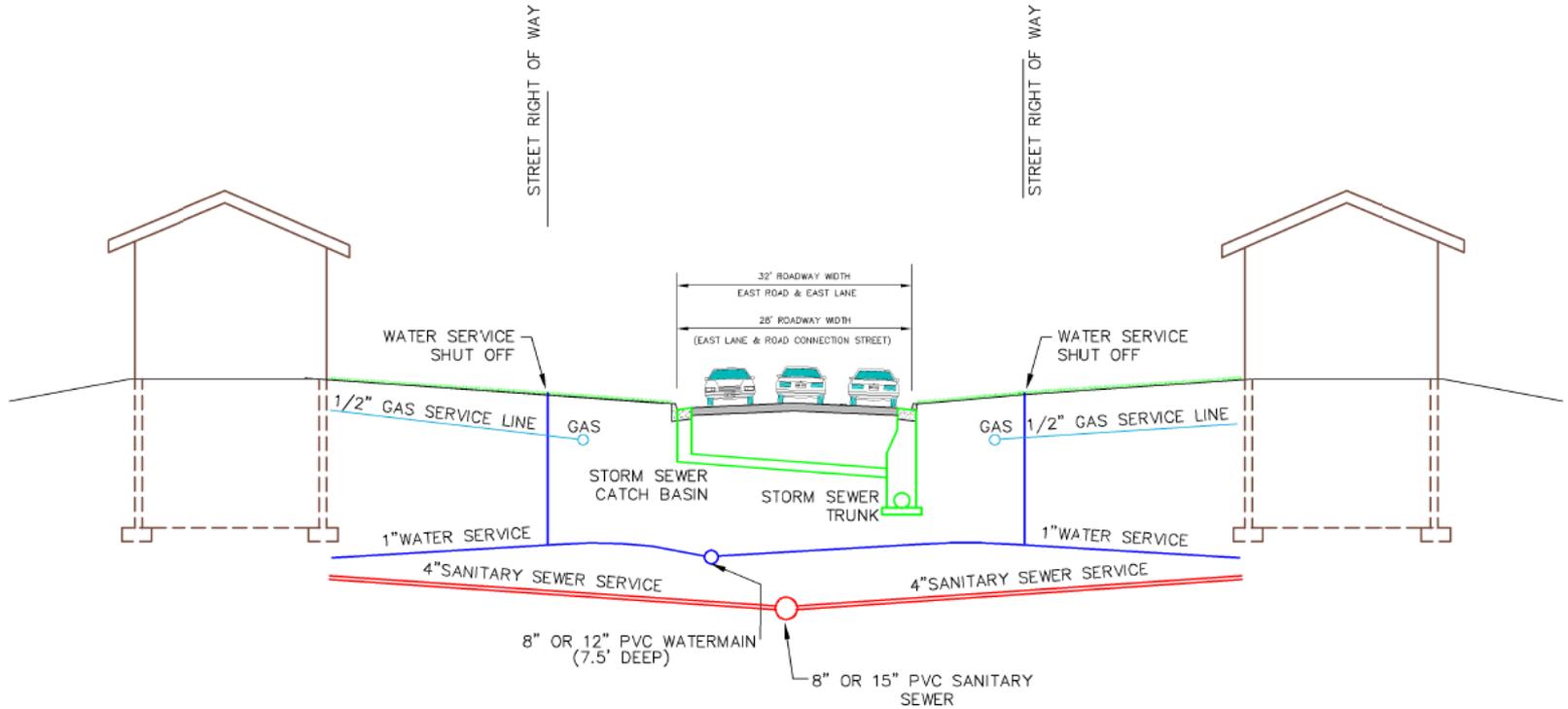
■ Mill and Overlay (East Golden Lake Circle)

- ❖ 2 inch mill and overlay
- ❖ No utility replacement necessary



East Golden Lake Lane and East Golden Lake Road Intersection

Proposed Improvements



Typical Cross Section

Discussion Items

- Roadway width
 - ❖ Option 1 - 32 foot roadway width (existing)
 - ❖ Option 2 - 28 foot roadway width

- Eliminate or replace the No Name Road
 - ❖ Option 1 - 10 foot paved walking path
 - ❖ Option 2 - 24 foot roadway width



East Golden Lake Road and East Golden Lake Road
and Lane Connecting Street Intersection

Discussion Items

■ Street Reconstruction (East Road and Lane)

- ❖ 32 foot width (Current Width)
 - ❖ Adequate room to allow for pedestrians
 - ❖ Allows for parking on one side of street

- ❖ 28 foot width
 - ❖ Lower Cost
 - ❖ Limited space for pedestrians
 - ❖ Potentially helps with traffic calming
 - ❖ Reduces the impervious area, less is needed for storm water management
 - ❖ Width would reduce parking availability

- ❖ Abandon Road connecting East Road and East Lane
 - ❖ Reconstruct walking path over utilities
 - ❖ Lower cost
 - ❖ Not necessary for traffic flow
 - ❖ Reduces impervious area, less storm water management

- ❖ Sidewalk or bike path
 - ❖ Increased safety for pedestrians and bicyclers
 - ❖ Increased construction cost

Discussion Items

■ Street Reconstruction Access Road

- ❖ Use Rice Creek Regional Trail at South end of project
- ❖ Widen with gravel to 20' width
- ❖ Reconstruct trail at end of project



Rice Creek North Regional Trail

Proposed Improvements

■ Storm Sewer

❖ Drainage Improvements

- Drainage concerns / Low Spot
 - Road connecting East Lane and Road
- Redesign storm system to better meet current demands and design standards
 - Potentially add additional catch basins

❖ Utilize existing storm sewer outlet locations

❖ Storm Water Treatment

- Several options are being evaluated for the feasibility study to treat the storm water before it will enter Rice Creek. The City of Circle Pines will be the permit authority and must meet RCWD requirements.

Proposed Improvements

■ **Gas Main Replacement (by Centennial Utilities)**

- ❖ Dual 2" plastic gas main (1 main on each side of street)
- ❖ Gas service replacement from the main to the home meter
- ❖ Completed prior to street and utility construction

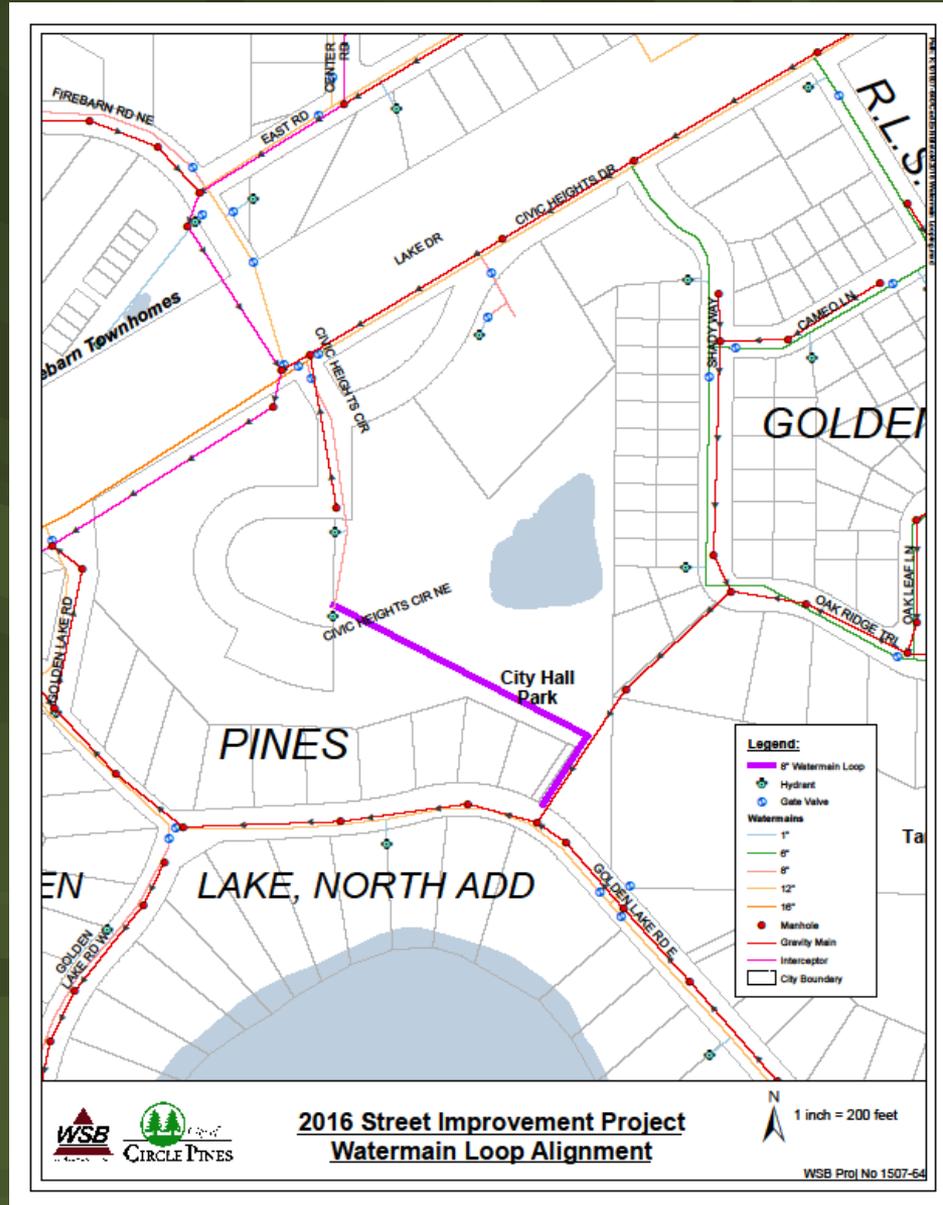
■ **Water Main Replacement**

- ❖ 8" and 12" PVC water main
- ❖ 1" HDPE water services replaced to the Right-of-Way
- ❖ New hydrants and gate valves
- ❖ Water main loop addition to City Hall

■ **Sanitary Sewer Replacement**

- ❖ 8" and 15" PVC sanitary sewer main
- ❖ 4" PVC sanitary sewer services replaced to the Right-of-Way
- ❖ Lift Station improvements
 - ❖ Pumps
 - ❖ Controls
 - ❖ Piping

Water Main Loop



Proposed Improvements

■ Remove trees in Right-Of-Way

- ❖ Increased sight distance on curves and driveways
- ❖ Increased safety for pedestrians and vehicles



2016 East Golden Lake Road



West Golden Lake Construction Project

Recent Projects



Pine Drive Before Full Reconstruct



Pine Drive After Full Reconstruct

Recent Projects



Circle Drive Before Full Reconstruct



Circle Drive After Full Reconstruct

Recent Projects



Inner Drive Before Full Reconstruct



Inner Drive After Full Reconstruct

Project Costs

Summary of Cost

	Total
Street Improvements	\$1,466,340
Sanitary Sewer Improvements	\$882,150
Water Main Improvements	\$691,860
Storm Sewer Improvements	\$273,000
Storm Sewer Treatment	\$200,000
Mill and Overlay	\$24,990
Site Access and Path Reconstruction	\$63,990
Water Main Loop Improvements	\$60,000
Total	\$3,662,330

Assessment Policy and Funding

- Current Assessment Policy is a flat and equal rate
 - ❖ Current Street Reconstruct Assessment: \$4,170 per unit
 - ❖ 99 single family residential units
 - ❖ Proposed to increase to \$4,380 (5% increase)
 - ❖ Tamarack Park is not assessed
 - ❖ Land is unbuildable
 - ❖ Current Mill and Overlay Assessment: \$1,425
 - ❖ 6 total units
 - ❖ Proposed to increase to \$1,500 (5% increase)
- City Funds Remaining Street Improvements
- City Funds 100% of Utility Improvements

Project Assessment

Total Reconstruct Street Improvement Cost	\$1,466,340
Total Assessable Reconstruct Units	99
Assessment Rate	\$4,380
Total Assessment	\$433,620

**Assessment equates to \$550/yr for 10 years at 5% (estimated- contingent on bond sale) interest rate*

Project Assessment

Total Mill and Overlay Improvement Cost	\$24,990
Total Assessable Mill and Overlay Units	6
Assessment Rate	\$1,500
Total Assessment	\$9,000

** Assessment equates to \$342/yr for 5 years at 5% (estimated-contingent on bond sale) interest rate*

Assessable Units



Assessment Map

Assessment Payment Methods

Option 1

- Pre-pay full assessment amount without interest to the City of Circle Pines in November 2016 (30 days after the assessment hearing-to be held in October 2016)

Option 2 (Full Reconstruct)

- Pay assessment with property taxes over a 10-year period at 5.0% interest (estimated, contingent on bond sale) starting in 2016

Option 2 (Mill and Overlay)

- Pay assessment with property taxes over a 5-year period at 5.0% interest (estimated, contingent on bond sale) starting in 2016

Partial Payment Options

- Pre-pay partial assessment amount without interest to the City of Circle Pines in November 2016
- Pay off remaining assessment amount in November of such year

Hardship Deferrals

Funding Scenario

Proposed Funding

Special Assessments	\$442,620
Street Reconstruction Fund	\$1,112,700
Sanitary Sewer Fund	\$882,150
Water Main Fund	\$751,860
Storm Water Fund	\$473,000
Total Funding	\$3,662,330

Proposed Schedule

- City Approves Engineering Proposal Apr, 2015
- Survey, Soil Borings, Feasibility May-Jul, 2015
- Public Informational Meeting Aug 12, 2015
- City Accepts Feasibility Study Sept, 2015
- Public Hearing/Authorize Plans Oct, 2015
- City Approves Final Plans Jan, 2016
- Receive Bids Feb, 2016
- Award Contract Mar, 2016
- Begin Construction May-Jun, 2016
- Substantial Completion Oct 2016
- Assessment Hearing Oct-Nov 2016
- Final Completion Spring 2017

Project Contact Information

- City of Circle Pines: 763-784-5898
- WSB & Associates
 - Shibani Bisson – Project Manager: 612-360-1304
 - Jeff Row – Project Engineer: 320-249-2910

Questions and Comments?