



2016 Street and Utility Improvement Project



Public Hearing
October 26, 2015

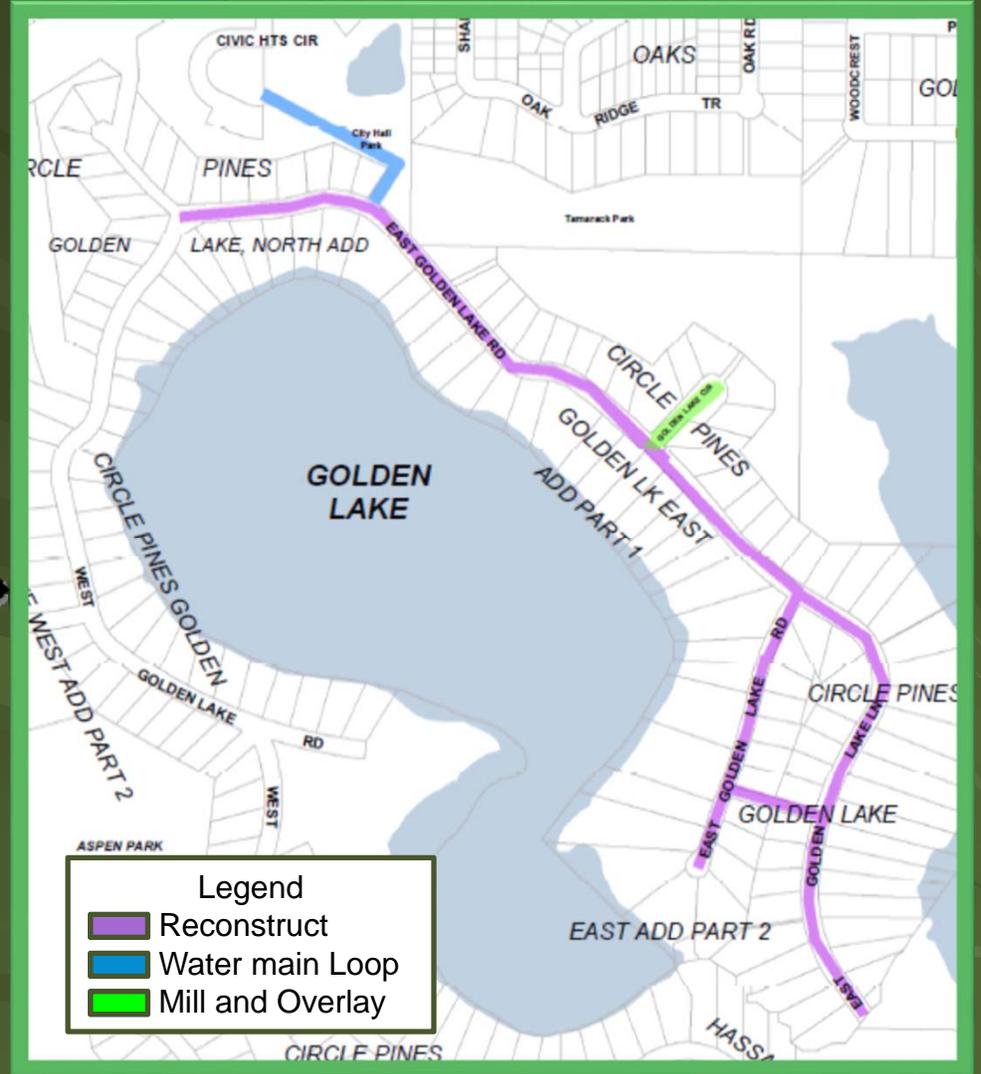
Presentation Overview

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



East Golden Lake Road Near
East Golden Lake Circle

Project Location



Existing Conditions

■ Street

- ❖ 1.1 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 and Truss Pipe

■ Water Main

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

■ 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

Discussion Item

■ Street Reconstruction Access Road

- ❖ Use Rice Creek Regional Trail at South end of project
- ❖ Widen with gravel to 20' width (allows for 2-way traffic)
- ❖ Reconstruct trail at end of project



Rice Creek North Regional Trail

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

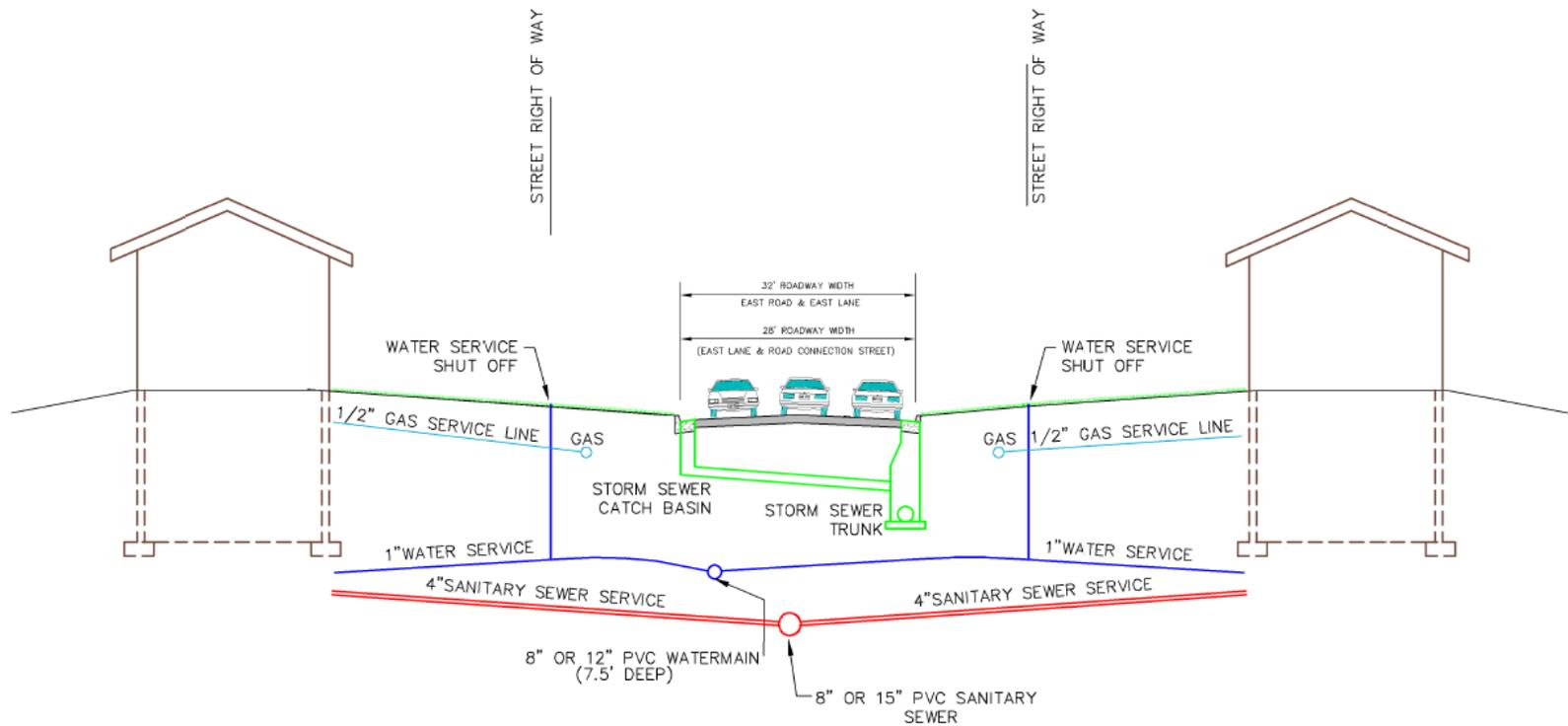
■ Mill and Overlay (East Golden Lake Circle)

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

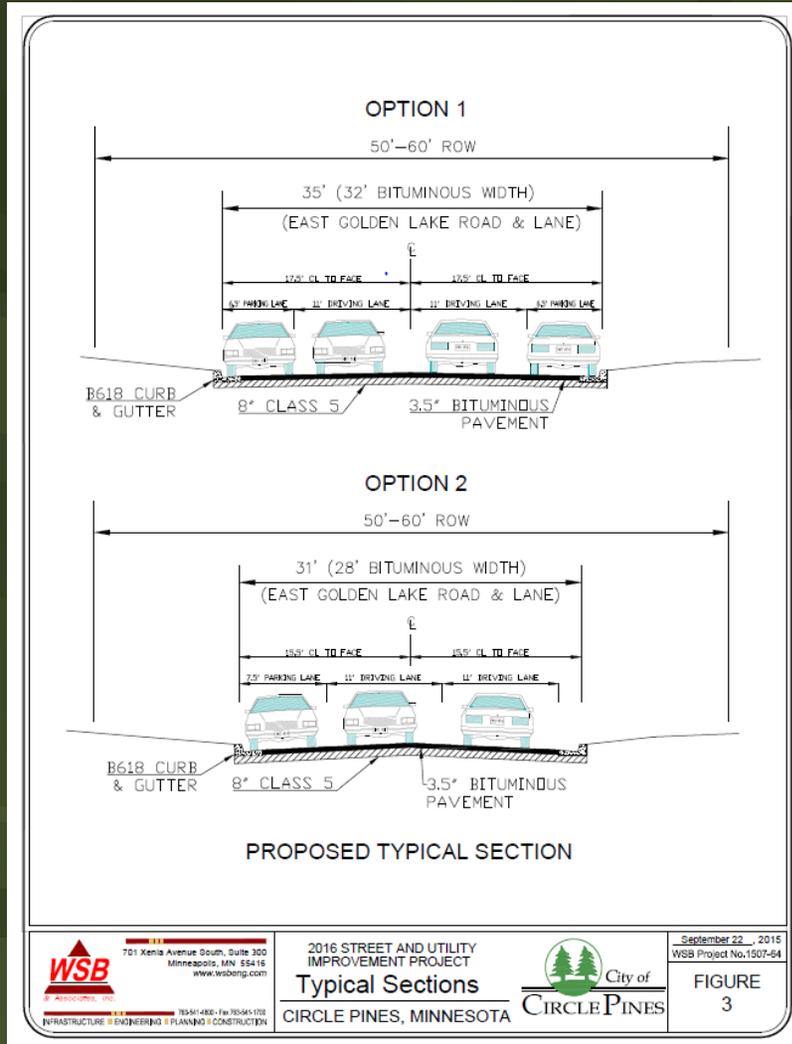


East Golden Lake Lane and East Golden Lake Road Intersection

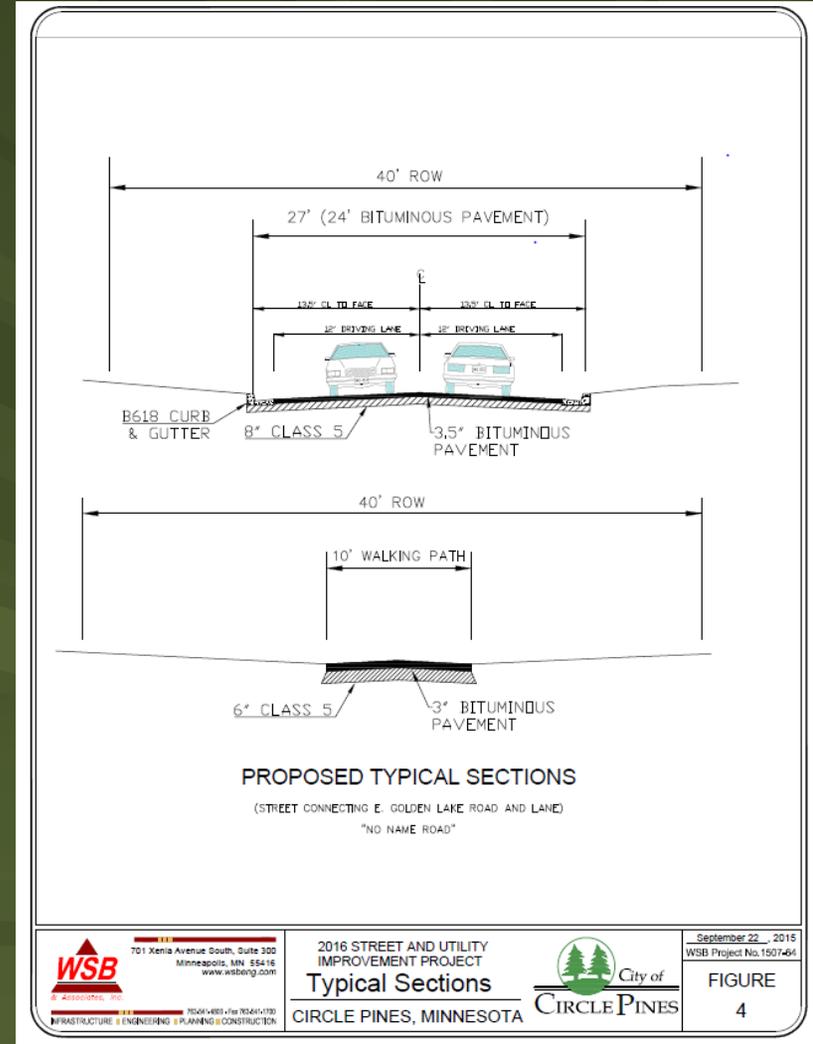
Proposed Improvements



Proposed Typical Sections



Typical East Golden Lake Lane and Drive Section



Typical "No Name Street" Section

Proposed Improvements

■ Storm Sewer & Infiltration System

❖ Drainage Improvements

- Drainage concerns / low spot
 - “No Name Road” near East Golden Lake Road
- Redesign storm system to better meet current demands and design standards
 - Evaluate adding catch basins

❖ Utilize existing storm sewer outlet locations

❖ Infiltration System

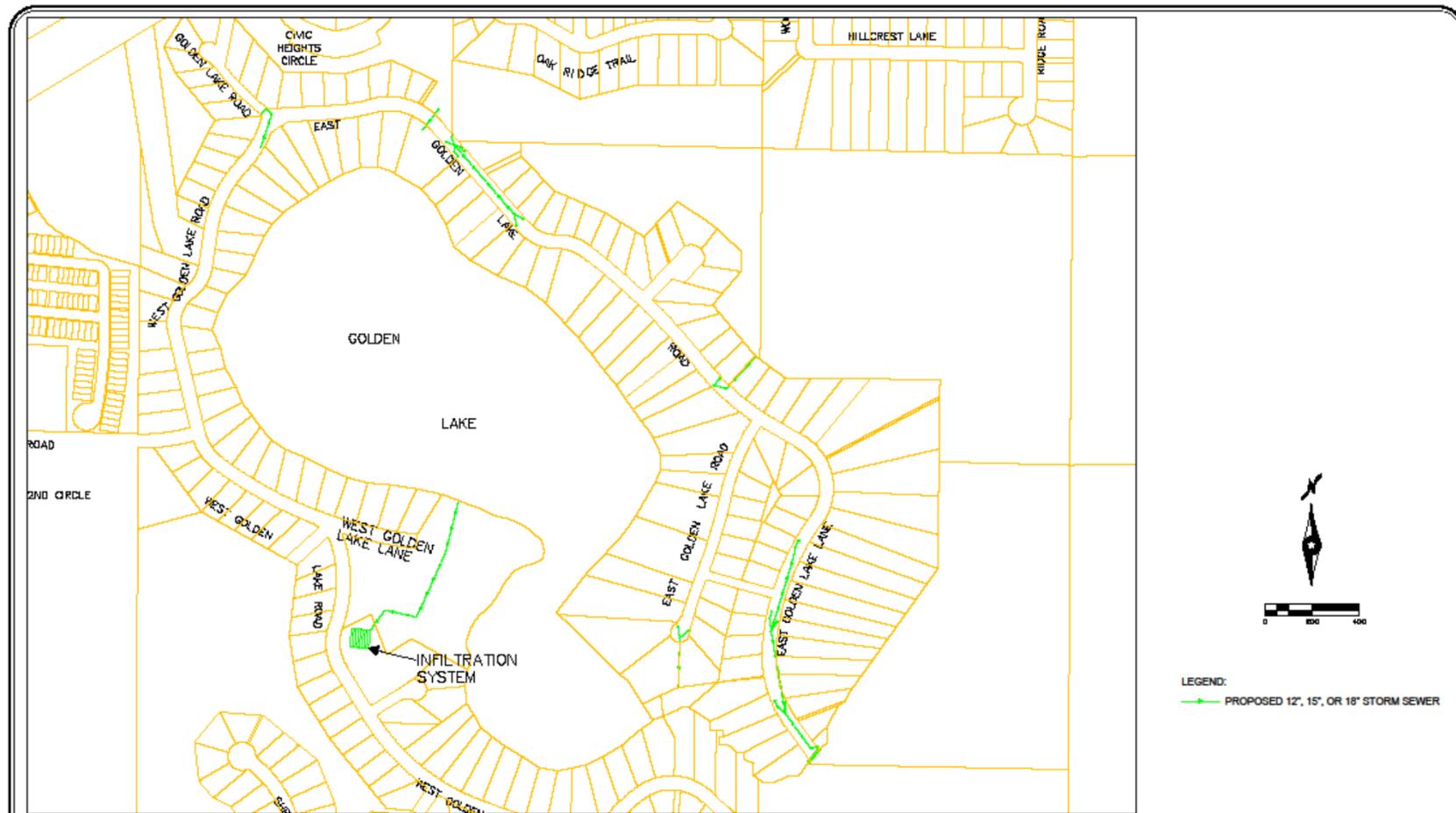
- Improve existing infiltration system in Golden Lake Park
 - Meets City of Circle Pines pre-treatment requirements
 - Potential for additional credits for future projects

Proposed Improvements

- ❖ Infiltration System
 - Improve existing infiltration system in Golden Lake Park
 - Meets City of Circle Pines pre-treatment requirements
 - Potential for additional credits for future projects
 - Future expansion with irrigation system



Proposed Improvements



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

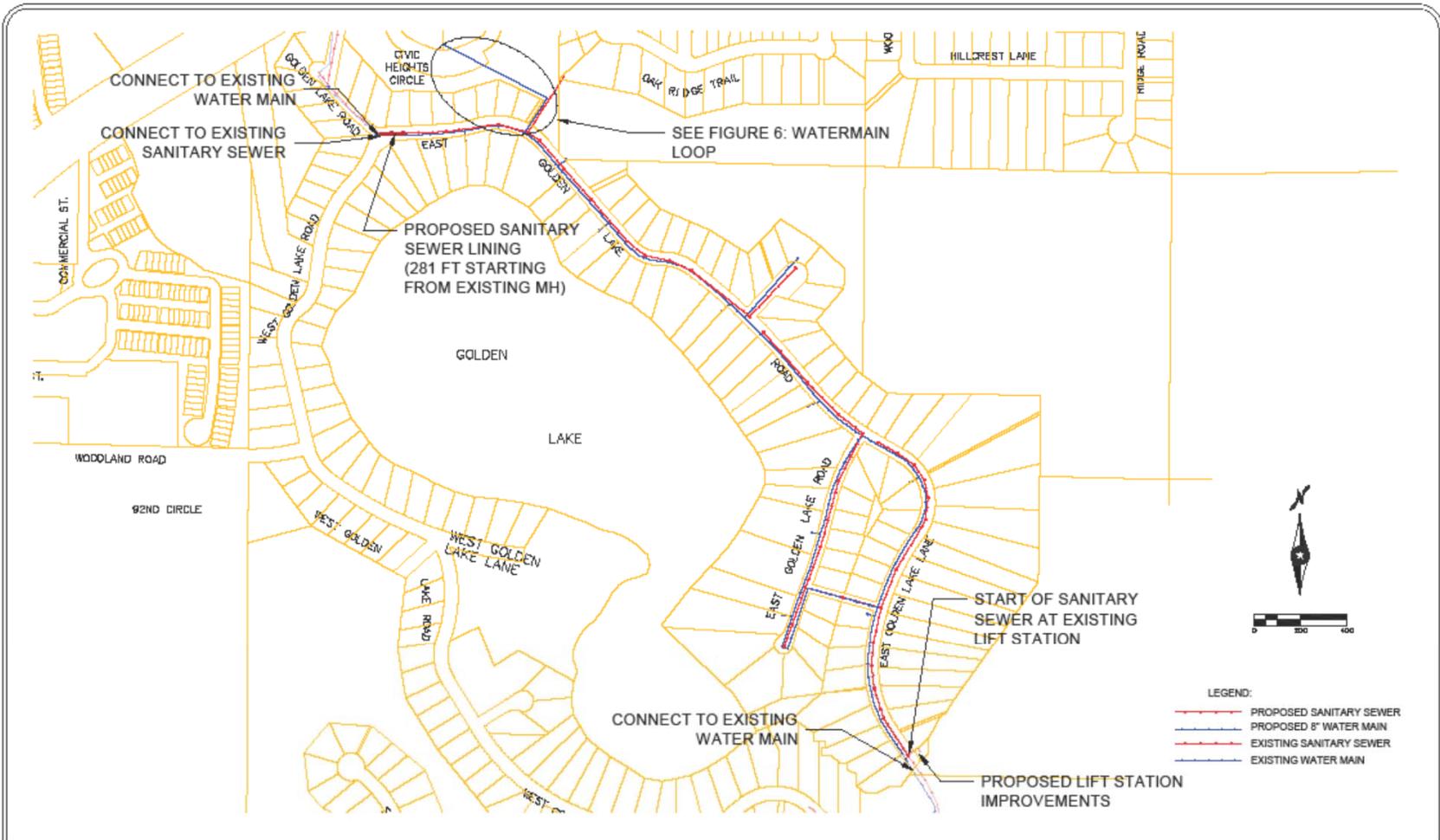
■ Water Main Replacement

- ❖ 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

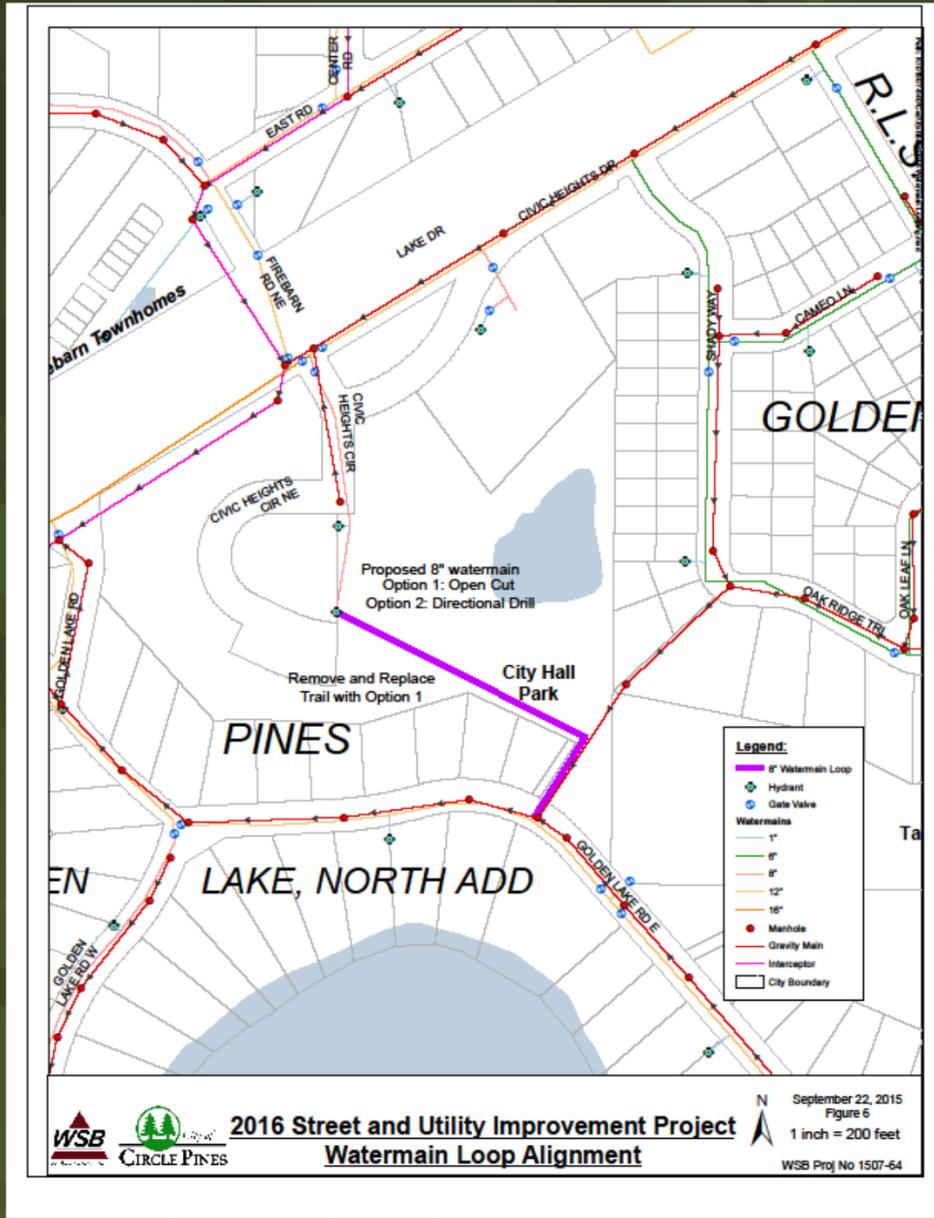
■ Sanitary Sewer Replacement

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

Proposed Improvements



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

Project Costs

2016 Street and Utility Improvement Cost Summary of Cost

	Total
Schedule A – Surface Improvements	\$1,414,117 - \$1,450,822
Schedule B – Surface Improvements	\$40,941 - \$55,295
Schedule C – Sanitary Sewer Improvements	\$947,618
Schedule D – Water Main Improvements	\$704,228
Schedule E – Storm Sewer Improvements	\$309,388
Schedule E – Storm Water Treatment	\$200,000
Schedule F – Mill and Overlay	\$32,714
Schedule G – Site Access and Path Reconstruction	\$46,380
Schedule H – Water Main Loop Improvements	\$58,448 - \$72,313
Total	\$3,753,834 - \$3,818,758

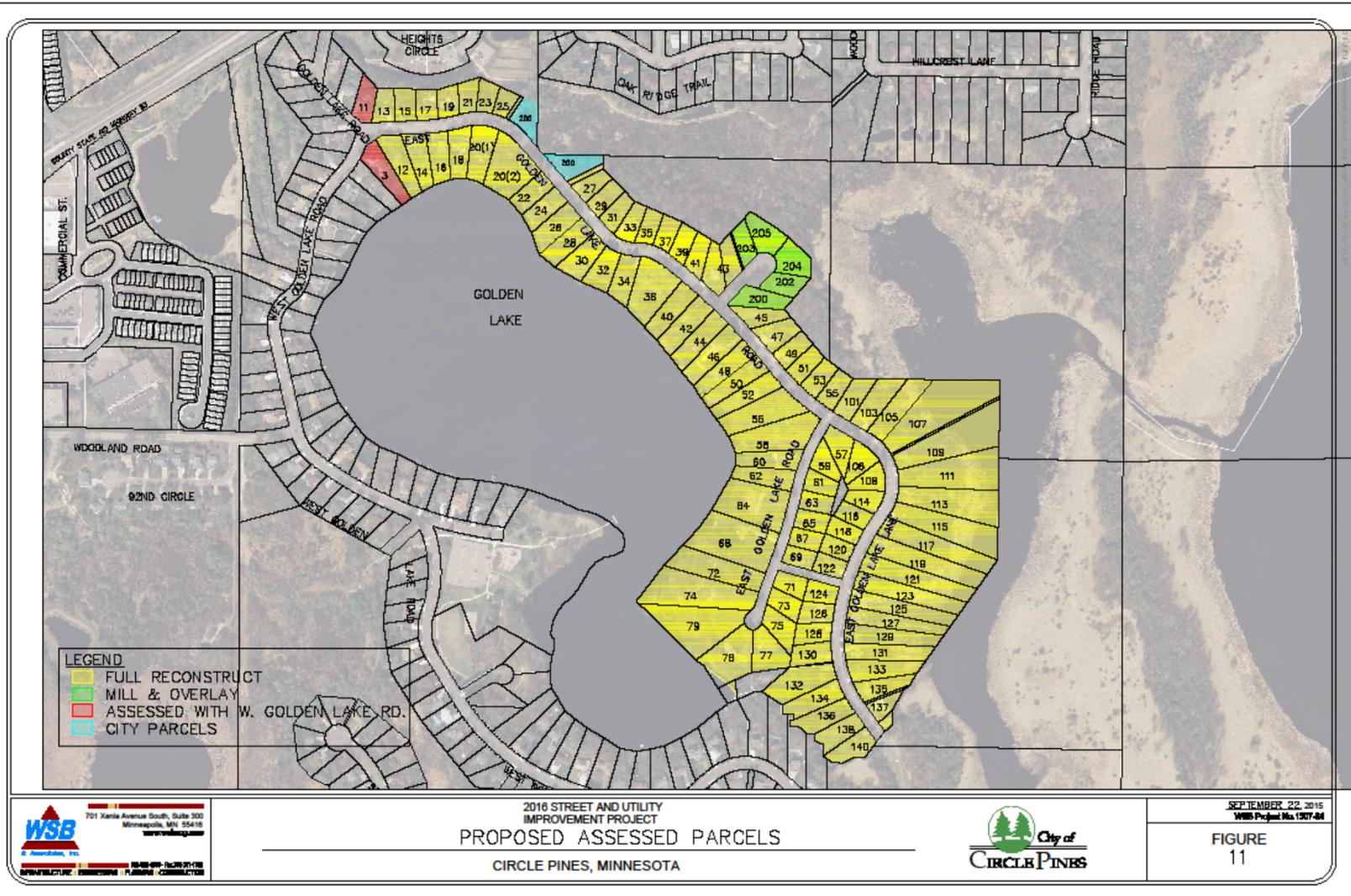
Assessment Policy and Funding

- 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% increased)
 - ❖ Current Mill and Overlay Assessment: \$1,425
 - ❖ 5 total units
 - ❖ Proposed to increase to \$1,500 (5% increase)
- City Funds Remaining Street Improvements
- City Funds 100% of Utility Improvements

Project Assessment

Assessment Calculations	
Street Improvement Assessment	
Schedule A Road Reconstruction	
Assessable Units	99
Assessment Rate	\$4,380
Schedule B Mill and Overlay	
Assessable Units	5
Assessment Rate	\$1,500
Total Amount Through Assessment	\$441,120

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

2016 Street and Utility Improvement Project Proposed Funding

Funding Source	Total
Special Assessments	\$441,120
Street Reconstruction Fund	\$1,093,030 – \$1,144,090
Sanitary Sewer Enterprise Fund	\$947,618
Water Main Enterprise Fund	\$762,679 - \$776,542
Storm Water Enterprise Fund	\$509,388
Total Funding	\$3,753,834 - \$3,818,758

Proposed Schedule

- City Approves Engineering Proposal Apr 28, 2015
- Survey, Soil Borings, Feasibility May-Jul, 2015
- Public Informational Meeting Aug 12, 2015
- City Accepts Feasibility Study Sept 22, 2015
- Public Hearing Oct 26, 2015
- City Approves Final Plans Jan, 2016
- Receive Bids Feb-March, 2016
- Award Contract Mar-Apr, 2016
- Begin Construction May-Jun, 2016
- Substantial Completion Oct 2016
- Assessment Hearing Oct-Nov 2016
- Final Completion Spring 2017

Questions and Comments?