



# 2012 Street and Utility Improvement Project



Public Hearing  
March 12, 2012

# Construction Considerations

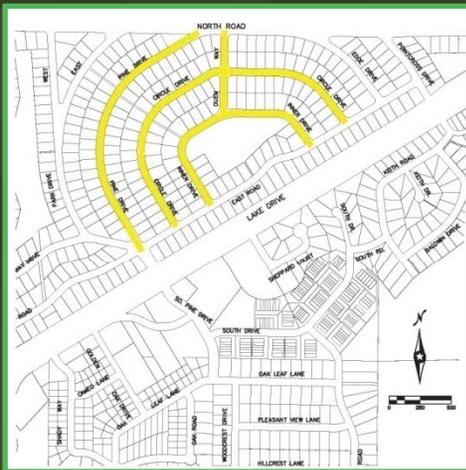
- Clear communication and advanced notice to residents by project observer and contractor
- Weekly mailed newsletters
- Staged construction
- Driveway/Street Access Impacts
- Tree impacts
- Sod
- Temporary Water System/Water shutoffs
- Irrigation lines/Pet containment fences
- Bus/Garbage Service
- Temporary Mail boxes/new mailbox cluster posts

# Presentation Summary

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



# Project Location



# Existing Conditions

## ■ Street

- ❖ 1.4 miles of residential streets constructed in 1968
- ❖ Prevalent cracking in pavement (alligator, transverse, longitudinal, and edge)
- ❖ Condition index rated as “Poor” according to 2011 Pavement Management Program



Pine Drive



Inner Drive

# Existing Conditions

## ■ Sanitary Sewer

- ❖ Root intrusion in mainline and service lines, cracked segments, and mineral deposits at joints
- ❖ Pine Drive – sanitary sewer has significant number of root intrusions
- ❖ Occasional backups
- ❖ Infiltration

## ■ Water Main

- ❖ Existing main line is cast iron pipe
- ❖ Occasional breaks
- ❖ Hydrants in driveways

## ■ Storm Sewer

- ❖ Limited storm sewer catch basins within the area
- ❖ Existing storm sewer pipes are undersized for current design standards
- ❖ Surface flow can cause surface deterioration of the pavement

# Proposed Improvements

## ■ Street Reconstruction

### ❖ Existing Widths

- 33 – 34 foot street widths

### ❖ Complete reconstruction including curb and gutter, bituminous pavement, and subgrade preparation

### ❖ Proposed Widths

- All streets to be 32 feet wide
  - 32 foot width allows for parking on one side
  - Current parking restrictions during school will be maintained



# Pedestrian/Access Improvements

- Pine Drive and North Road



# Proposed Improvements

## ■ Pedestrian Facilities

### ❖ Blinking pedestrian signs

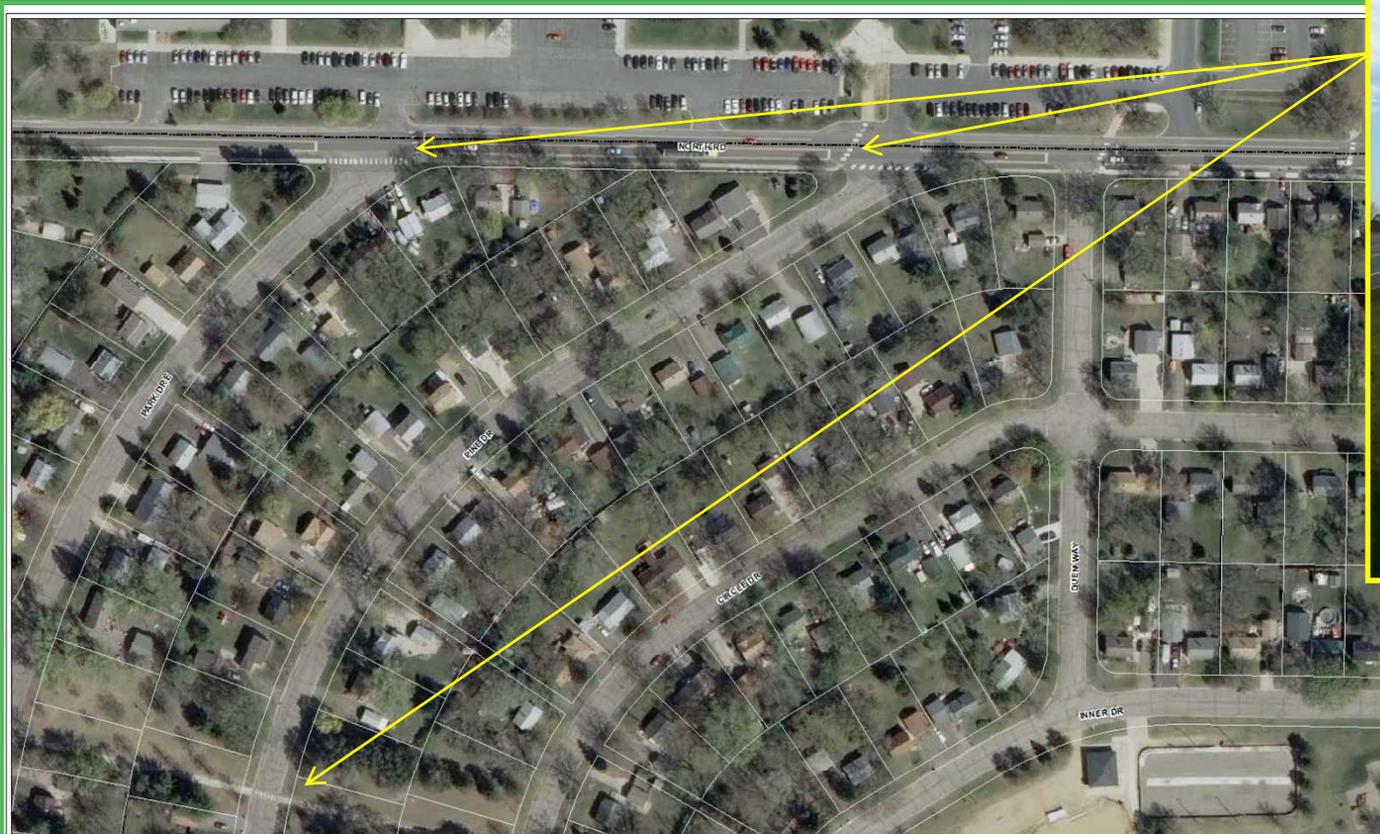
- Mid-block crossing on Pine Drive
- Pine Drive and North Road intersection
- Park Drive East and North Road intersection

### ❖ Brick pattern crosswalk (Duratherm)

- North Road intersections



# Blinking Pedestrian Signs



# Proposed Improvements

## ■ Storm Sewer

### ❖ Drainage Improvements

#### ➤ Resident noted drainage concerns:

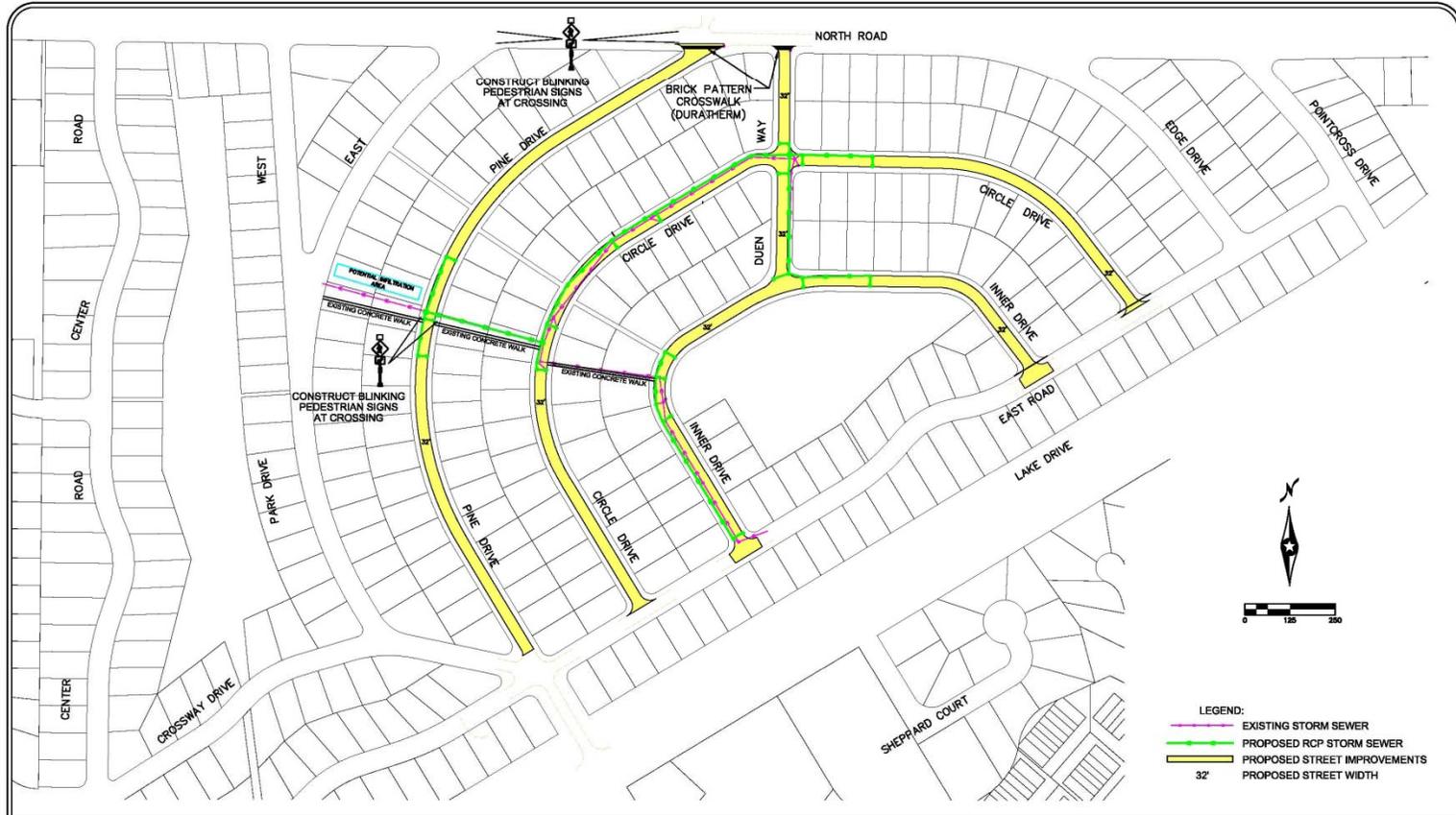
- Circle Drive near the crosswalk
- Intersection of Circle Drive and East Road

### ❖ Utilize segments of existing storm sewer outlet pipe between Inner Drive and Park Drive

### ❖ Rice Creek Watershed District (RCWD) Permit Requirements

- Waive infiltration requirement due to wellhead protection area and request a debit
- Continued discussions with RCWD on regional water quality system for Golden Lake

# Proposed Improvements



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2012 STREET AND UTILITY  
IMPROVEMENT PROJECT  
RCP STORM SEWER AND STREET  
CIRCLE PINES, MINNESOTA



February 14, 2011  
WSB Project No. 1507-50

FIGURE  
4

# Proposed Improvements

## ■ Water Main Replacement

- ❖ 8" PVC water main
- ❖ 1" HDPE water services replaced to the Right-of-Way
- ❖ New hydrants and gate valves

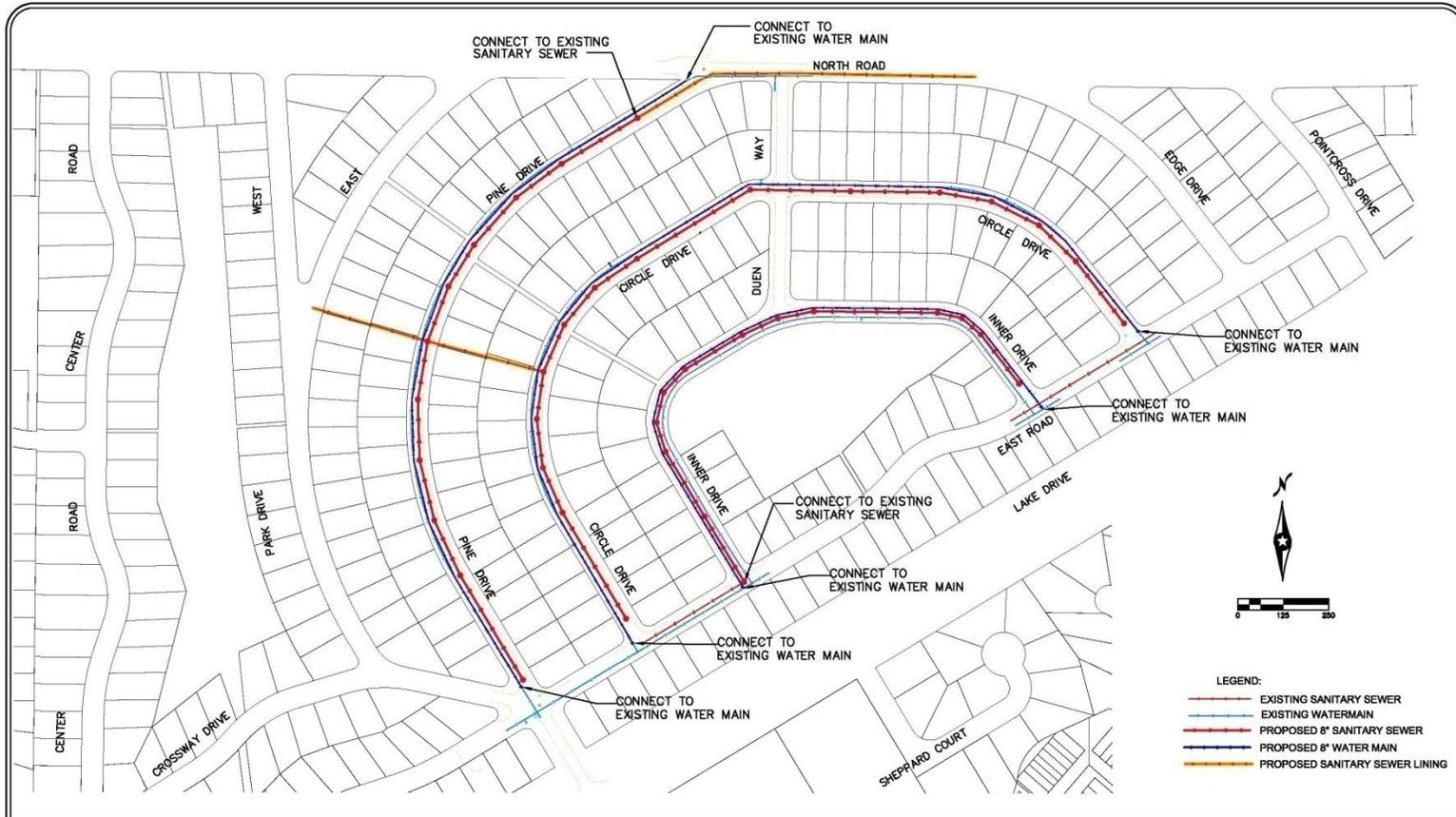
## ■ Sanitary Sewer Replacement

- ❖ 8" PVC sanitary sewer main
- ❖ 4" PVC sanitary sewer services replaced to the Right-of-Way
- ❖ Slip lining of approximately 1600' of sanitary sewer

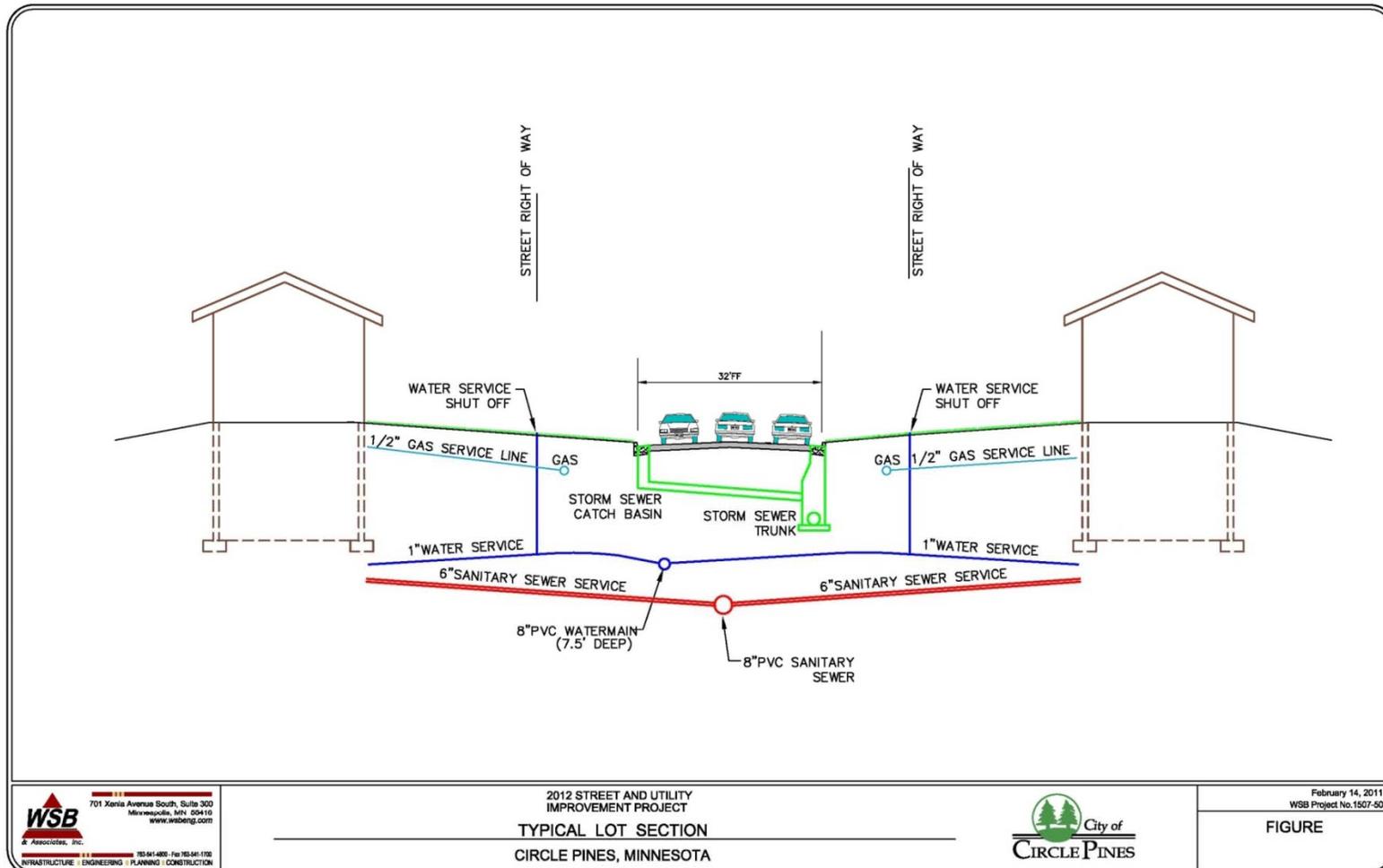
## ■ Gas Main Replacement (by Centennial Utilities)

- ❖ 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 construction

# Proposed Improvements



# Proposed Improvements



# Inner Park

- Additional parking stalls
- Pave gravel parking lot
- Lighting improvements



# Project Costs

## Summary of Cost

	Total
Street Improvements	\$1,768,600
Sanitary Sewer Improvements	\$778,100
Water Main Improvements	\$580,700
Storm Sewer Improvements	\$291,000
<b>Total</b>	<b>\$3,418,400</b>

# Assessment Policy and Funding

- Proposed Street Assessment: \$3,500 per residential unit
  - ❖ Spread equally among benefitting properties
  - ❖ Corner lots assessed 1 unit total
- City Funds Remaining Street Improvements
- City Funds 100% of Utility Improvements

# Project Assessment

Total Street Improvement Cost	\$1,768,600
Total Assessable Units	165*
Assessment Rate	\$3,500
Total Assessment	\$577,500

\* *Includes six City-owned lots and 15 residential equivalent units for Inner Park*

\* *Assessment equates to \$465/yr for 10 years at 5% (estimated-contingent on bond sale) interest rate*

# Assessment Payment Methods

## Option 1

- Pre-pay full assessment amount without interest to the City of Circle Pines in November 2012 (30 days after the assessment hearing-to be held in October 2012)

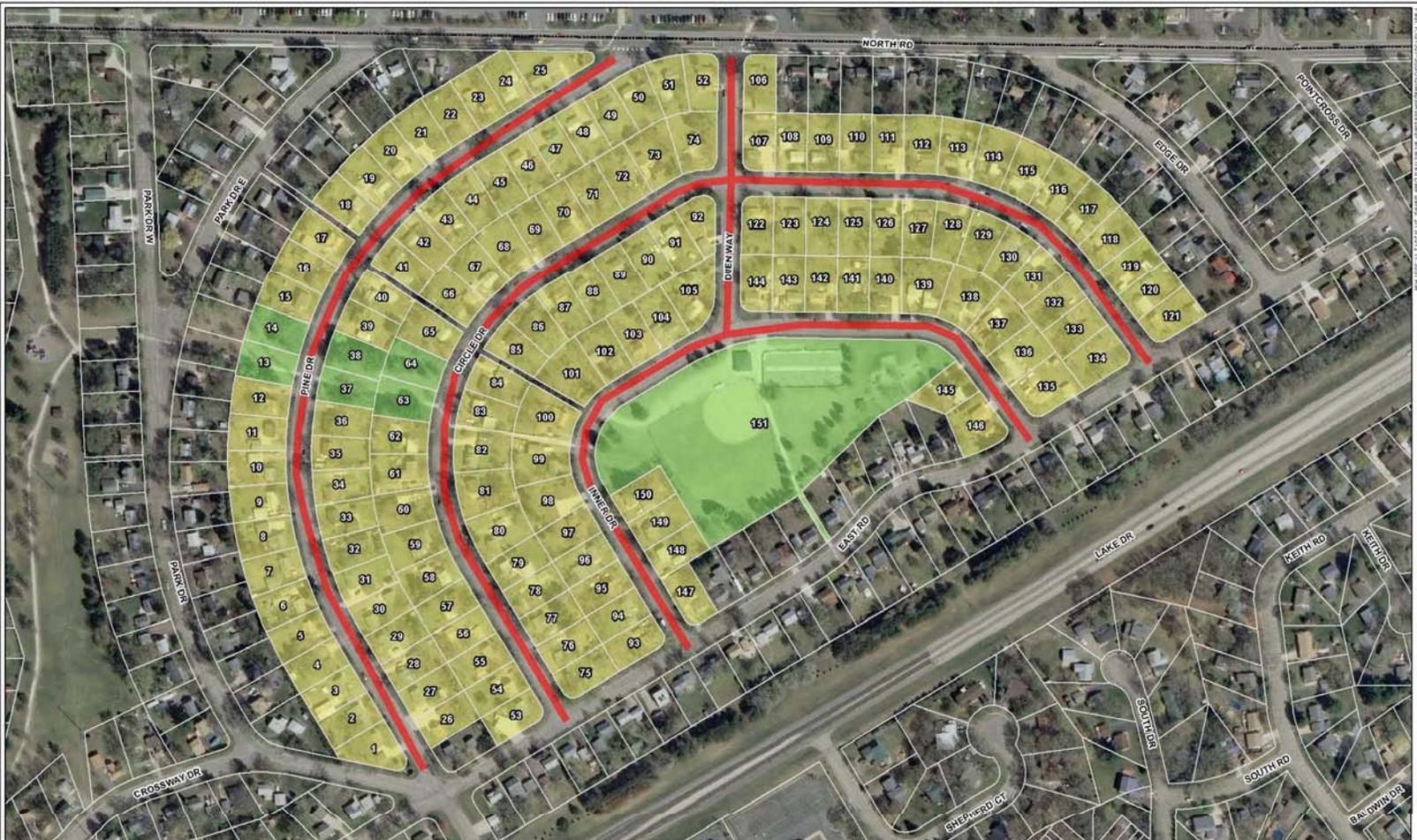
## Option 2

- Pay assessment with property taxes over a 10-year period at 5.0%(estimated, contingent on bond sale) interest starting in 2013

## Partial Payment Options

- Pre-pay partial assessment amount without interest to the City of Circle Pines in November 2012
- Pay off remaining assessment amount in November of such year

# Assessable Units



**Legend**

- Street & Improvement Project Area
- City Parcels
- Assessed Properties

2012 Street and Utility Improvement Project  
Assessed Properties  
City of Circle Pines MN

1 inch = 200 feet



February 14, 2012  
WSB Proj No 1507-50



# Funding Scenario

## Proposed Funding

Special Assessments	\$557,500
Street Reconstruction Fund	\$1,191,100
Sanitary Sewer Fund	\$778,100
Water Main Fund	\$580,700
Storm Water Fund	\$291,000
<b>Total Funding</b>	<b>\$3,418,400</b>

# Proposed Schedule

- Public Informational Meeting February 2, 2012
- City Accepts Feasibility Study February 14, 2012
- Public Hearing March 12, 2012
- Authorize Preparation of Plans March 13, 2012
- Public Info Mtg (Final Design) April, 2012
- City Approves Final Plans April 10, 2012
- Receive Bids May 15, 2012
- Award Contract May 22, 2012
- Public Info Mtg (w/ Contractor) June 2012
- Begin Construction June 2012
- Substantial Completion October 2012
- Assessment Hearing October 2012
- Final Completion Spring 2013

# Construction Considerations

- Clear communication and advanced notice to residents by project observer and contractor
- Weekly mailed newsletters
- Staged construction
- Driveway Impacts
- Tree impacts
- Sod
- Temporary Water System/Water shutoffs
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**Questions and Comments?**

# Retaining Walls



# Inner Park



# Parking



# Trees

