

Forest Grove Park – Master Plan

Park Board & Council

June 4th 2012

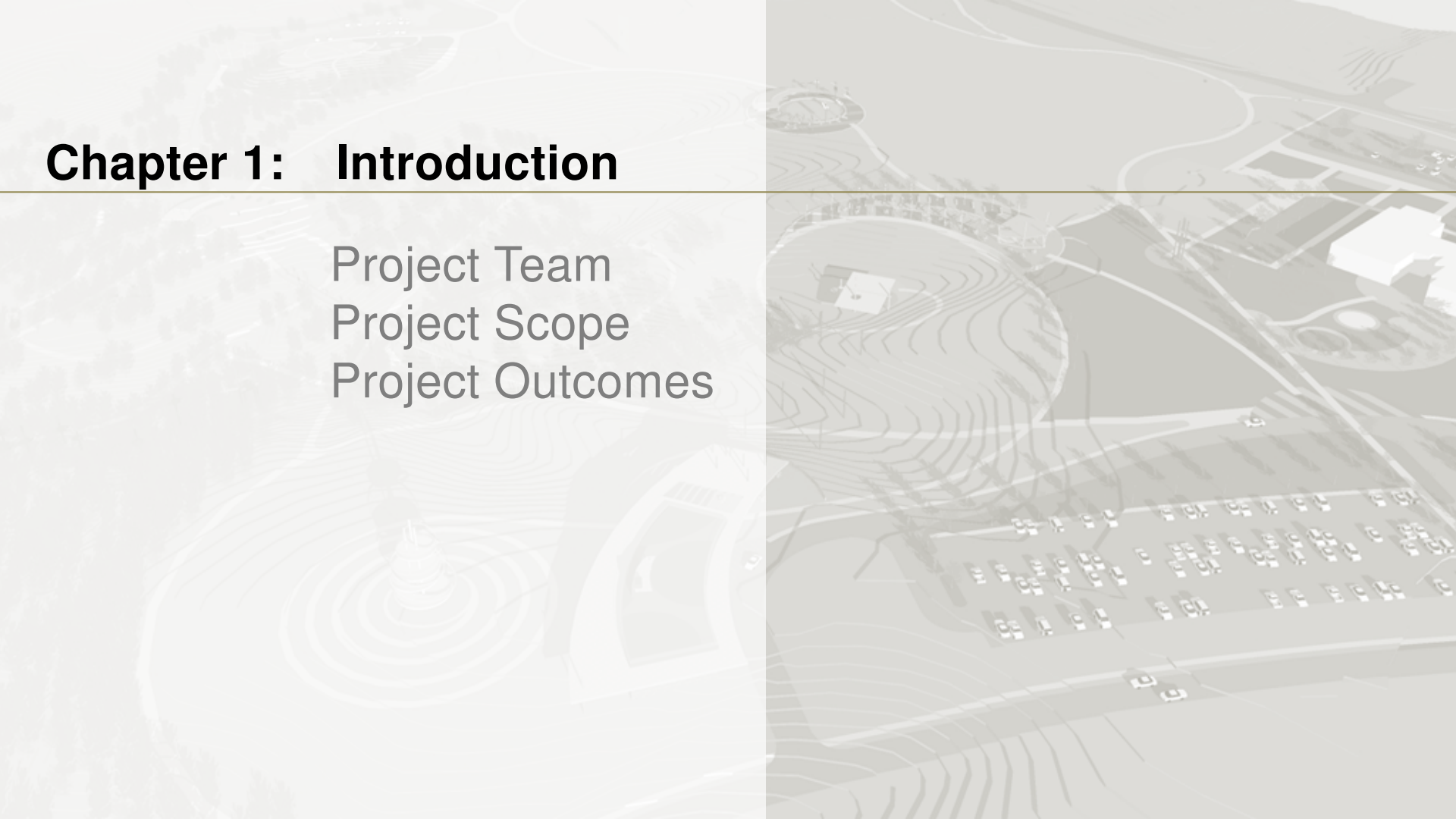


- Chapter 1:** **Introduction**
 - Project Team
- Chapter 2:** **Discovery**
 - Inventory
 - Analysis
 - Public Input
 - Vision Statement
 - Program
- Chapter 3:** **Plan Alternatives**
- Chapter 4:** **Final Master Plan (draft)**
 - Park Facilities
- Chapter 5:** **Implementation**
 - Partners
 - Priorities
 - Project Costs



Chapter 1: Introduction

Project Team
Project Scope
Project Outcomes

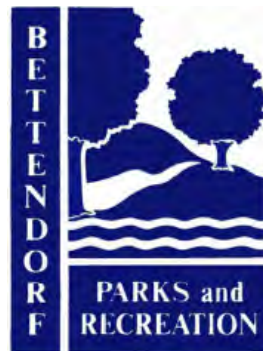


Steering Committee

project participants

Forest Grove Park – Master Plan

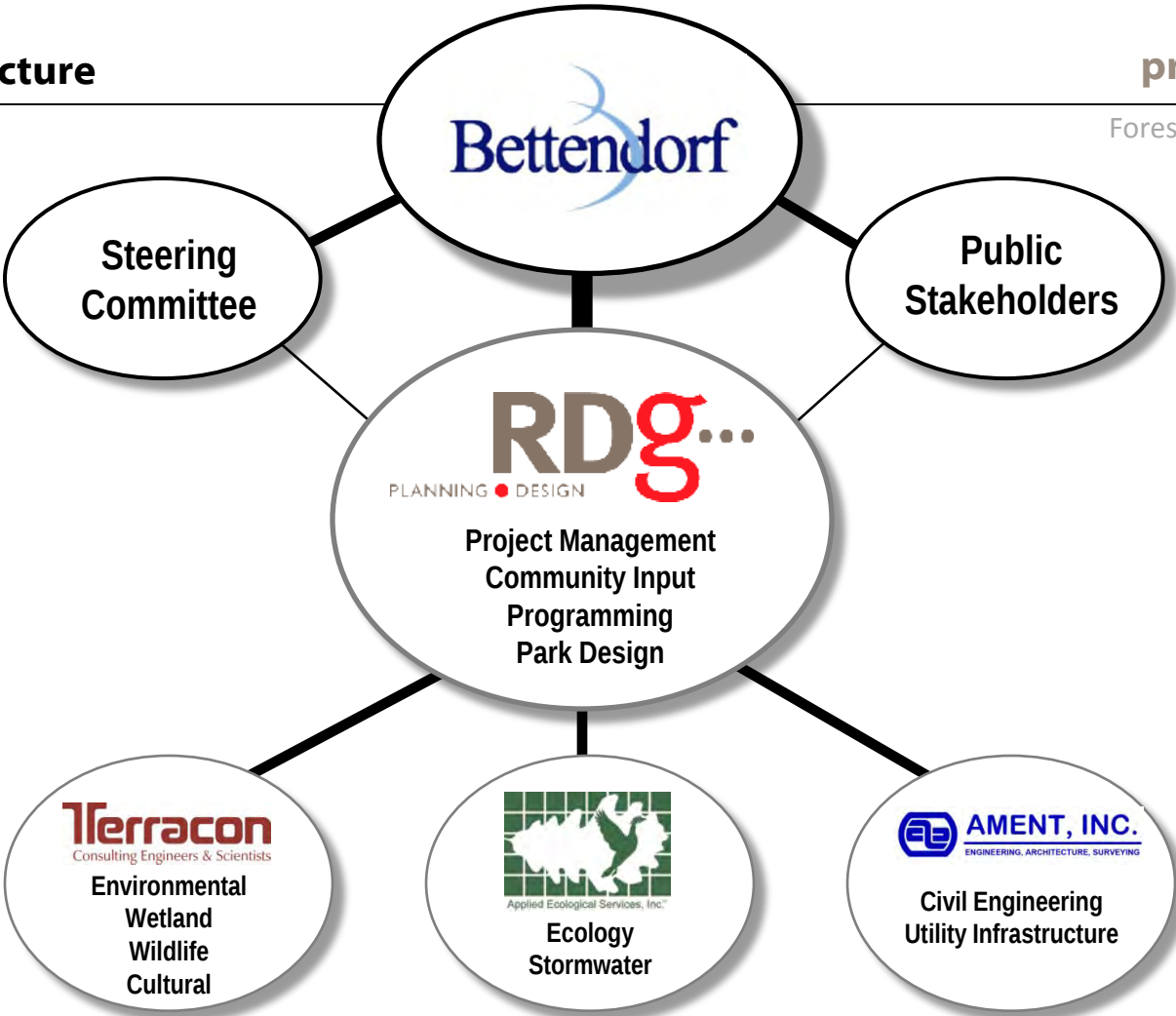
Name	Organization/Representation	Phone	Email
Steering Committee			
Gary Kamp	Park Board Chair	563.359.3019	gary.kamp@treiberconstruction.com
Lisa Brown	City Council Member	563.441.4016	lbrown@bettendorf.org
Roy Wennlund	Planning & Zoning Commissioner	563.262.4283	rwennlund@bandag.com
Matt Mooney	Friends of Bettendorf Parks Foundation	563.359.8857	mattmooney52@gmail.com
Tim Huey	Scott County Representative	563.326.8643	thuey@scottcountyowa.com
Steve Gustafson	Trees Are Us Representative	563.355.1378	geology98@yahoo.com
Jeff Lanum	Quad Cities Chamber Representative	563.355.0227	jeff@russellcompanies.net
Theron Schulte	Bettendorf Schools Representative	563.359.3681	tschutte@bettendorf.k12.ia.us
Jim Spellhaug	Pleasant Valley Schools Representative	563.332.5550	spellhaugjim@pleasval.k12.ia.us
Adam Sampson	YMCA	563.359.9622	asampson@scottcountyfamilyy.org
Steve Grimes	Director of Parks & Recreation	563.344.4115	sgrimes@bettendorf.org
Stu Smith	Parks Maintenance Manager	563.344.4105	ssmith@bettendorf.org
John Soenksen	Community Development Department Staff	563.344.4083	jsoenksen@bettendorf.org
Steve Van Dyke	Director of Economic Development	563.344.4060	svandyke@bettendorf.org



Project Structure

project participants

Forest Grove Park – Master Plan



Consultant Team

project participants

Forest Grove Park – Master Plan



Scott Crawford
ASLA, LEED AP
Project Director



Mike Bell
ASLA
Project Manager



Ryan Peterson
ASLA
Landscape Architect



Alli Moerman
B.A.
Project Coordinator



John Brimeyer
P.E.
Environmental Engineer



Randy Vogel
Principal Ecologist



Mike Dryden
P.E.
Civil Engineer



Master Plan

June 4, 2012, 2012

Forest Grove Elementary – Master Plan



AMPHITHEATER AND SUMMER PLAZA DURING AN EVENT

A Case for a Better Way of Community Building

The 2005 UN World Urbanization Prospects report projected that the urban growth is likely to rise to 60% (4.9 billion) by 2030. Healthy Urbanism is a place we could live, work, learn and play and is a powerful case for the types of patterns we can promote:

- Increasing sustainability through appropriate density.
- Integrating transportation and land use.
- Creating sustainable neighborhoods, including housing, car-free areas, locally-owned stores, walkable neighborhoods, and universal accessibility.
- The health and environmental benefits of linking humans to nature, including walk-to open spaces, neighborhood stormwater systems and waste treatment, and food production.
- High performance buildings and energy systems.

A HEALTHY WAY OF LIVING

"Designing Healthy Communities." - looks at the impact our built environment has on key public health indices - obesity, diabetes, heart disease, asthma, cancer and depression. Dr. Jackson connects bad community design with burgeoning health costs, then analyzes and illustrates what citizens are doing about this urgent crisis by looking upstream for innovative solutions.



WINTER PLAZA



SAVANNA STUDIO



PRAIRIE TOWER & COMMUNITY BUILDING



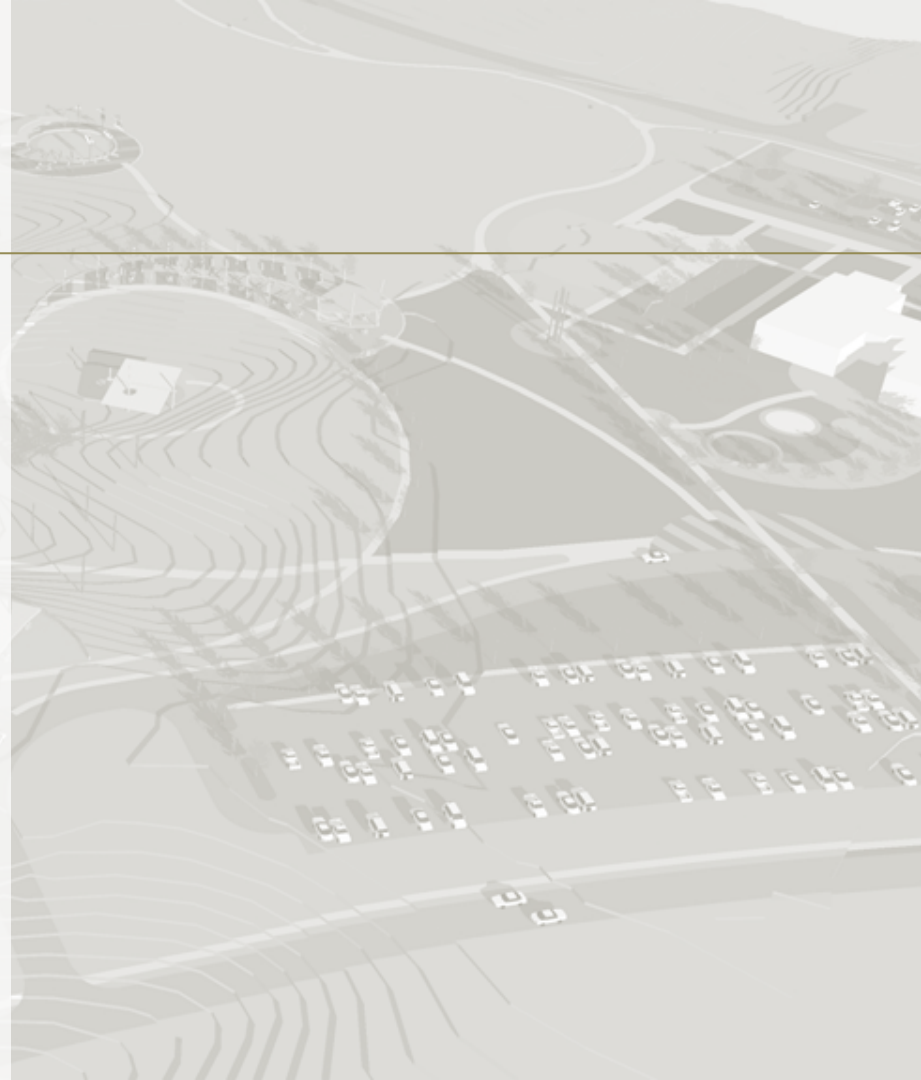
GREAT LAWN

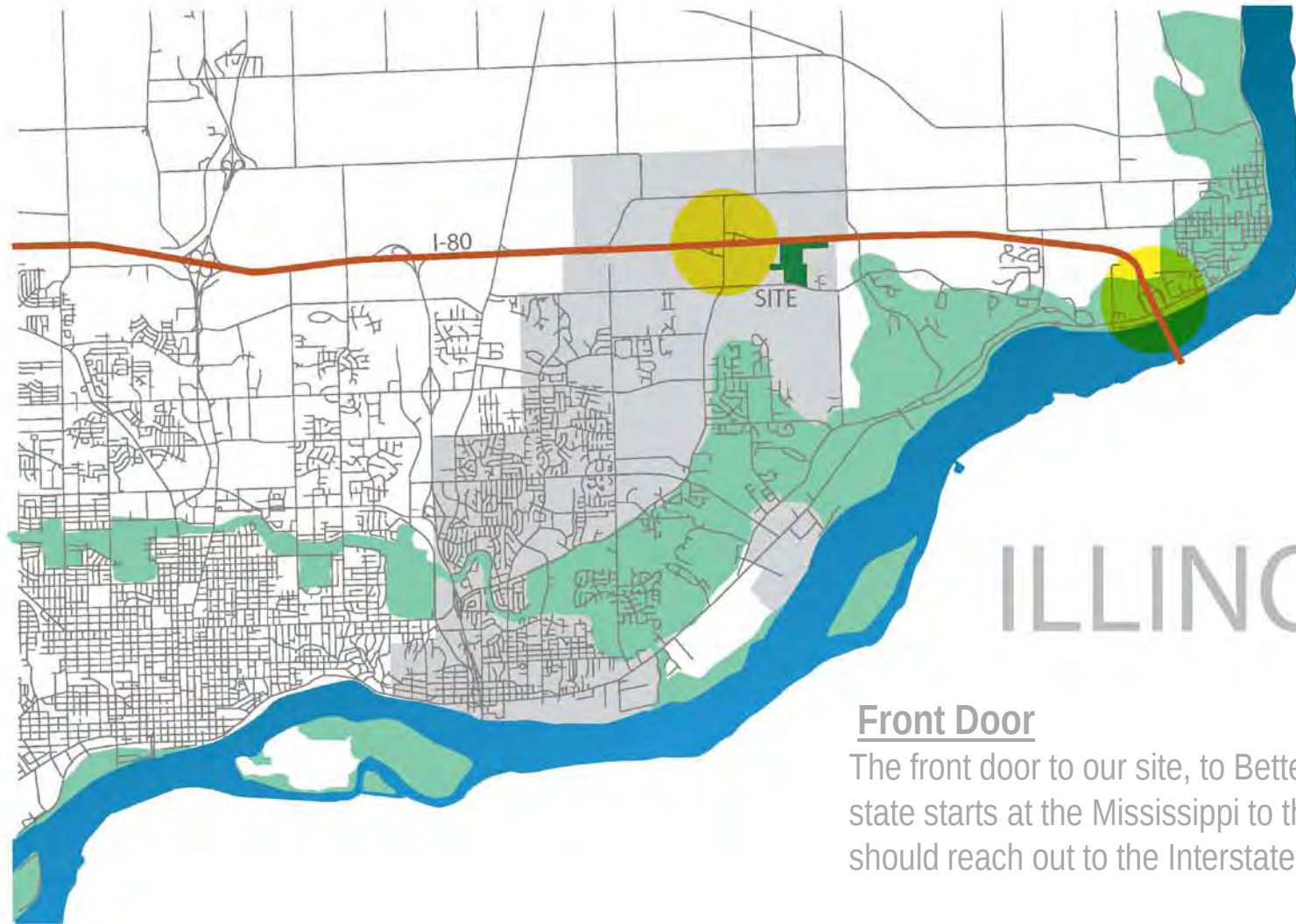


SPENDER CREEK RESTORATION

Chapter 2: **Discovery**

Inventory
Analysis
Public Input
Vision Statement
Program

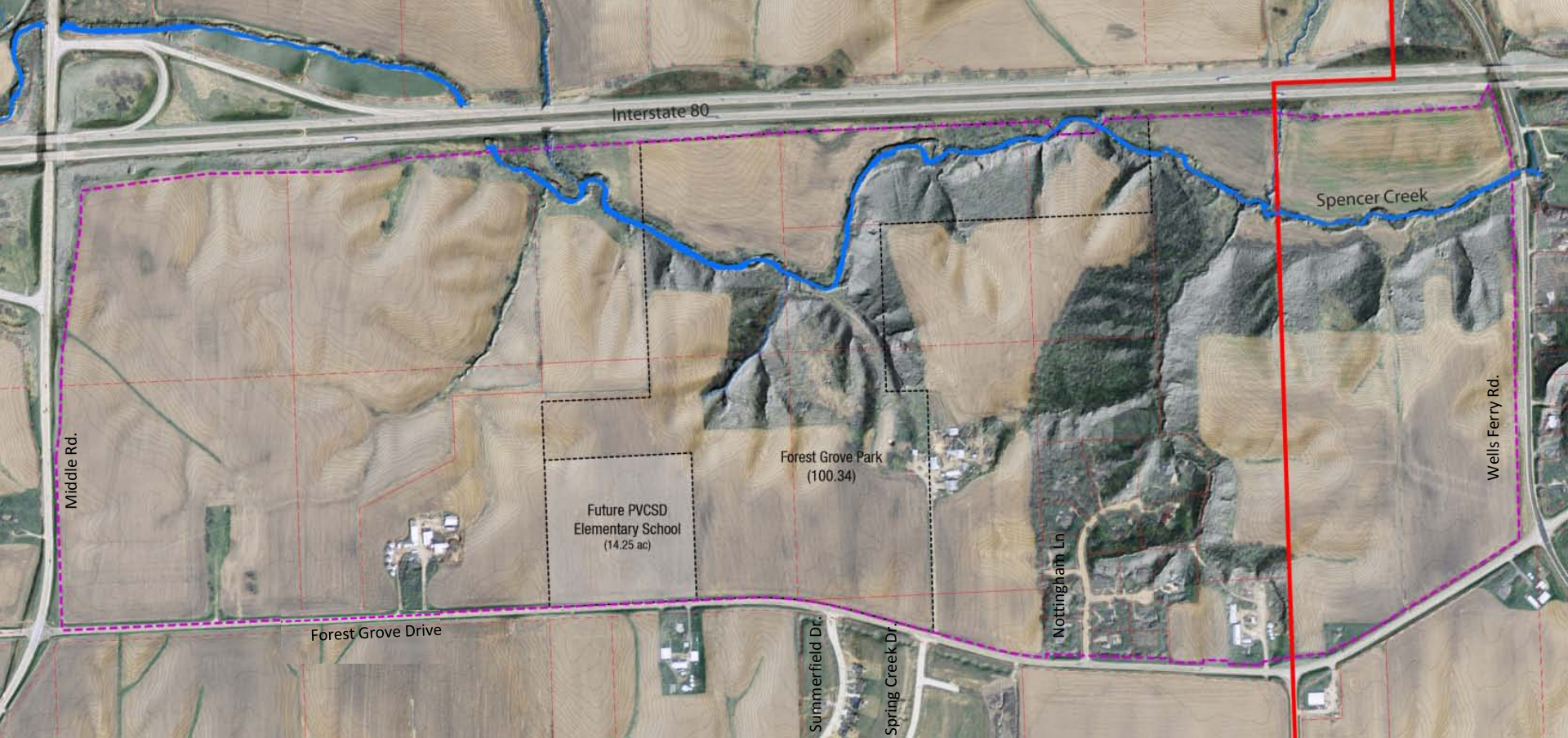




ILLINOIS

Front Door

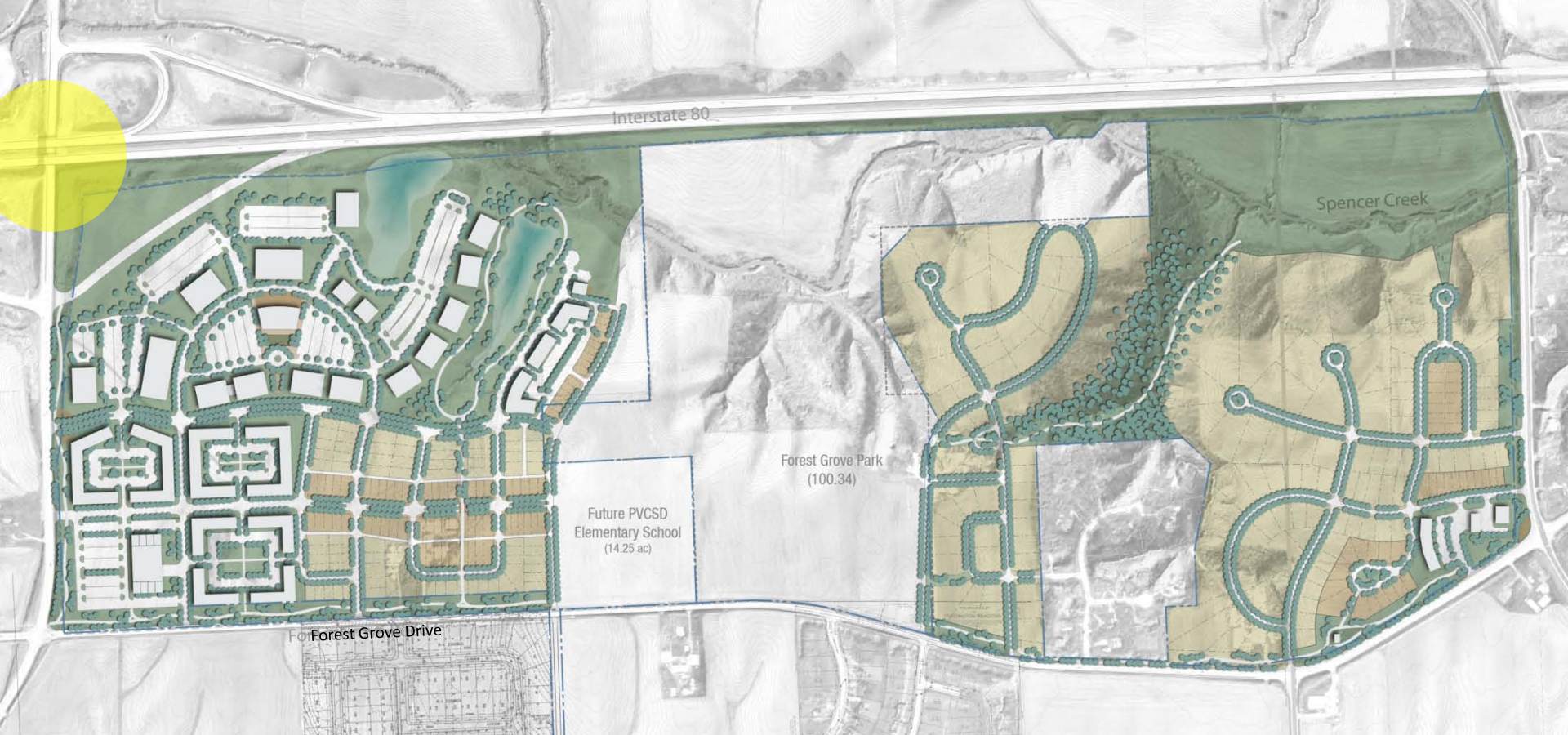
The front door to our site, to Bettendorf and to the state starts at the Mississippi to the east. This project should reach out to the Interstate in a positive way.



Legend

-  Park Boundary
-  Parcel Boundary
-  Land Use Boundary
-  City Limits





Forest Grove

a place to live, work and play

City of Bettendorf

February 21, 2012

LAND USE CONCEPT PLAN

0 200' 400' 800'



RDg...
PLANNING • DESIGN







Legend

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

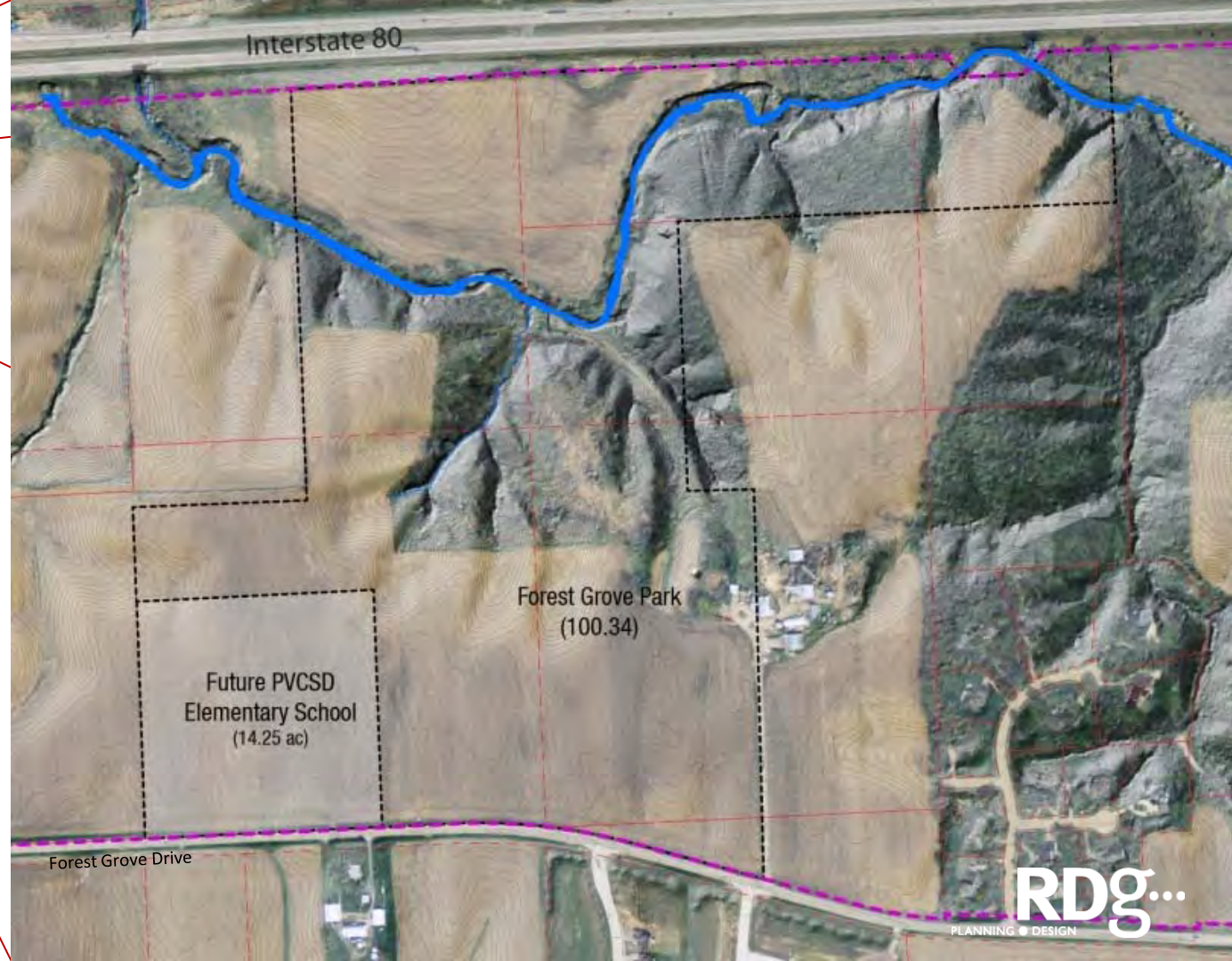
Forest Grove



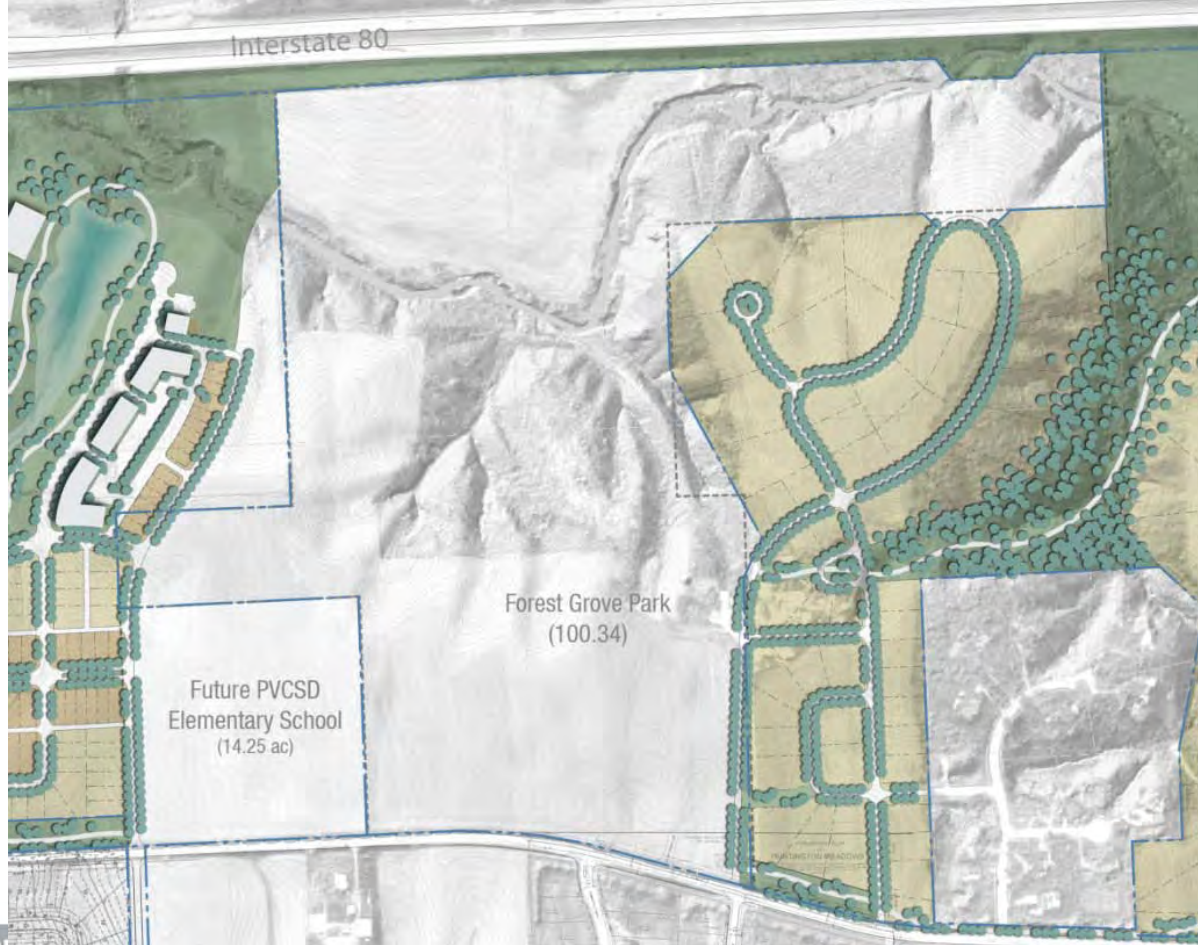
a place to live, work and play

City of Bettendorf

February 21, 2012



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PLANNING • DESIGN



Forest Grove

a place to live, work and play

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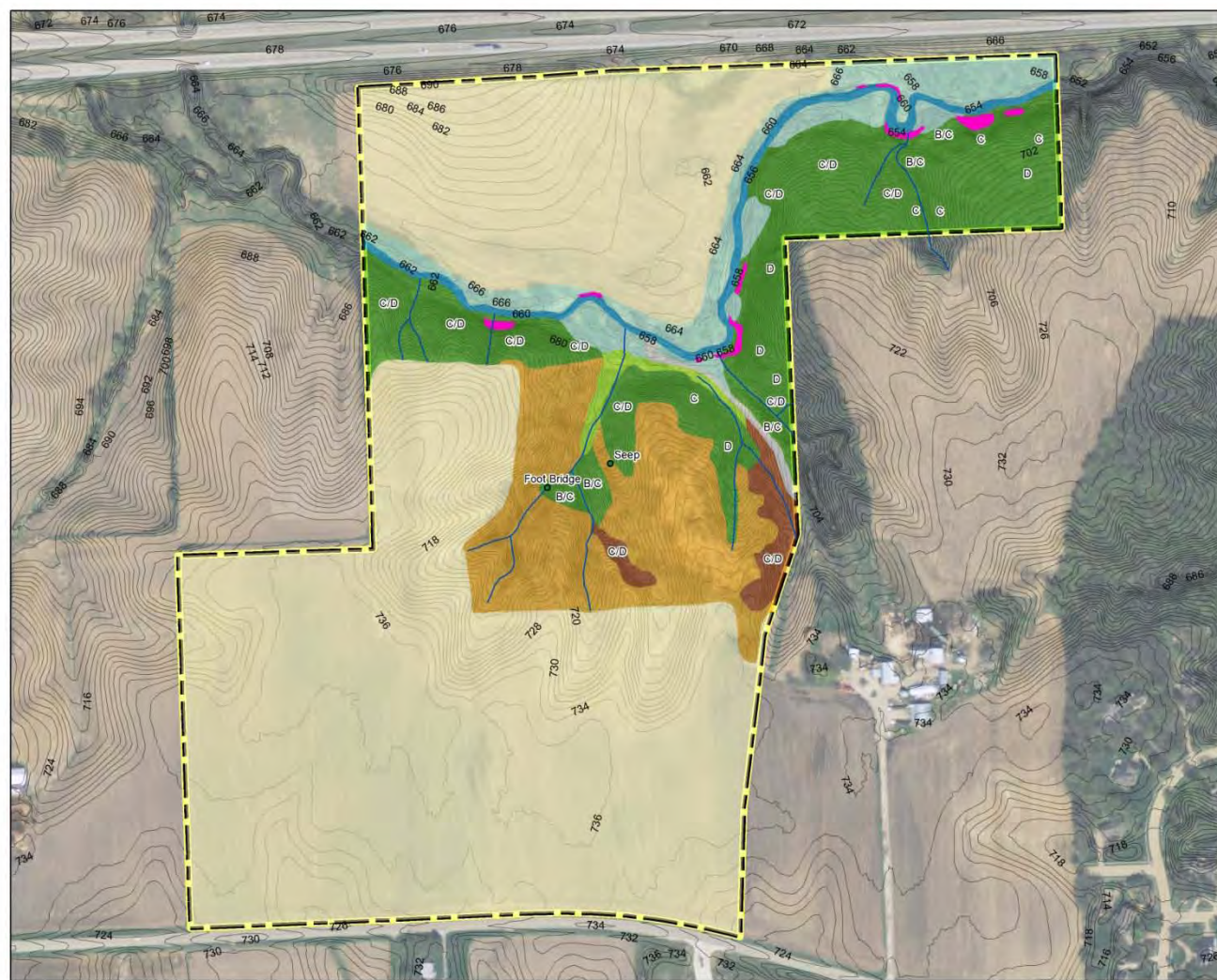
February 21, 2012

LAND USE CONCEPT PLAN

0 200' 400' 800'



RDg...
PLANNING • DESIGN



Forest Grove Park

Figure 1
Existing Land Cover

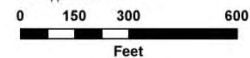


DRAFT

Data Sources:
NAIP 2010; StreetMap USA
AES Job Number: 11-0323
Date 6/28/2011
File Name: forestgrove_base_20110627.mxd



Applied Ecological Services, Inc.
21938 Mushtown Road
Prior Lake, MN 55372
952-447-1919
www.appliedeco.com





City of Bettendorf
Forest Grove Park Master Plan
 December 2011

Legend: Depth to High Water Table

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

4' to 6' to 2'
 4' to 2' to 6'

RDG



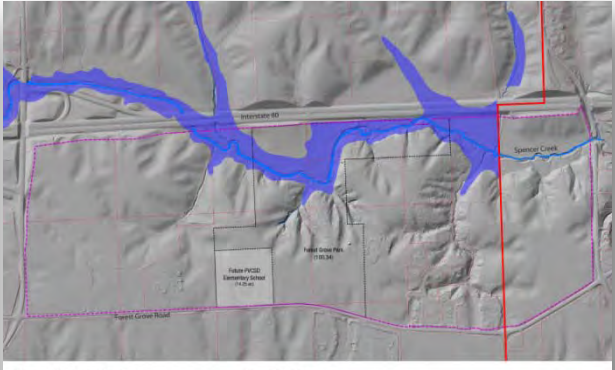
City of Bettendorf
Forest Grove Park Master Plan
 December 2011

Legend: Soil Suitability

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

Non Sensitive
 Slightly
 Moderate
 Severe

RDG



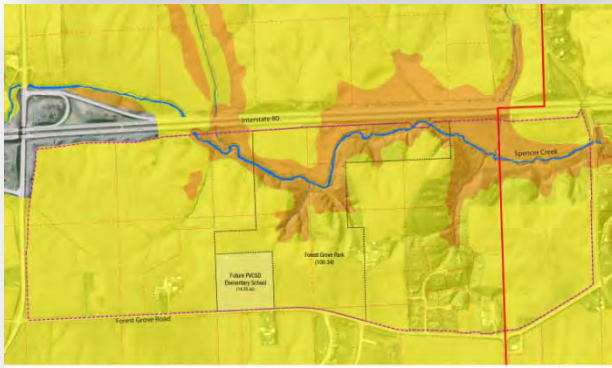
City of Bettendorf
Forest Grove Park Master Plan
 December 2011

Legend: Flood Plain

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

Flood Plain Zone A

RDG



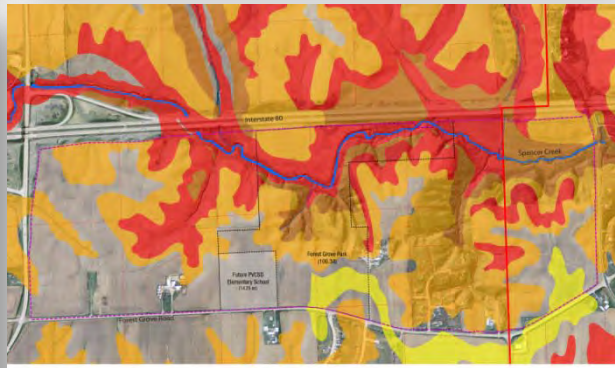
City of Bettendorf
Forest Grove Park Master Plan
 December 2011

Legend: Hydrological Soils Group

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

Type 1
 Type 2

RDG



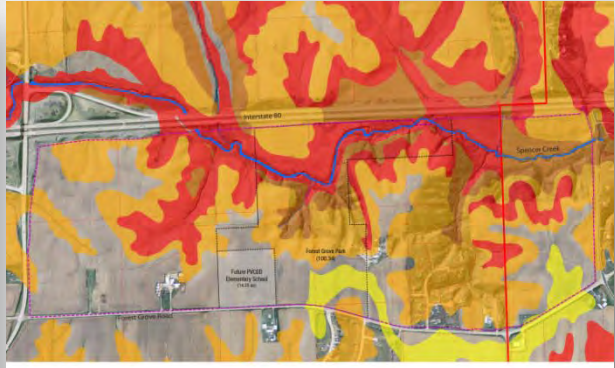
City of Bettendorf
Forest Grove Park Master Plan
 December 2011

Legend: Soil Suitability

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

Non Sensitive
 Slightly
 Moderate
 Severe

RDG



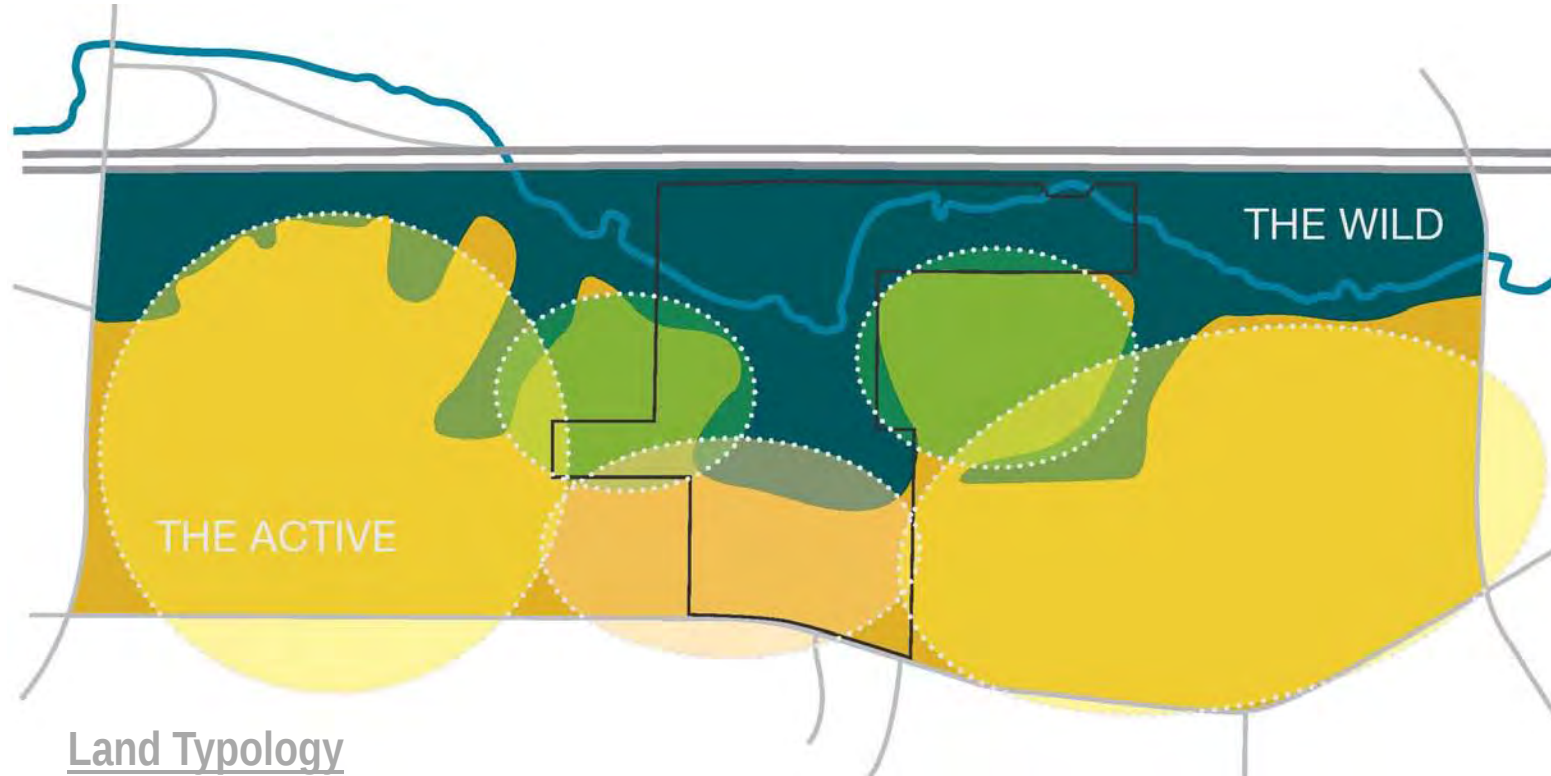
City of Bettendorf
Forest Grove Park Master Plan
 December 2011

Legend: Sensitive Areas Map

- Park Boundary
- Parcel Boundary
- Land Use Boundary
- City Limits

Sensitive
 Moderately Sensitive
 Highly Sensitive
 Very Sensitive

RDG



Land Typology

The site provides context based on landscape types including heavily sloped terrain, natural drainage ways, and native vegetation. Two zones can be formed from these land types, THE WILD AND THE ACTIVE

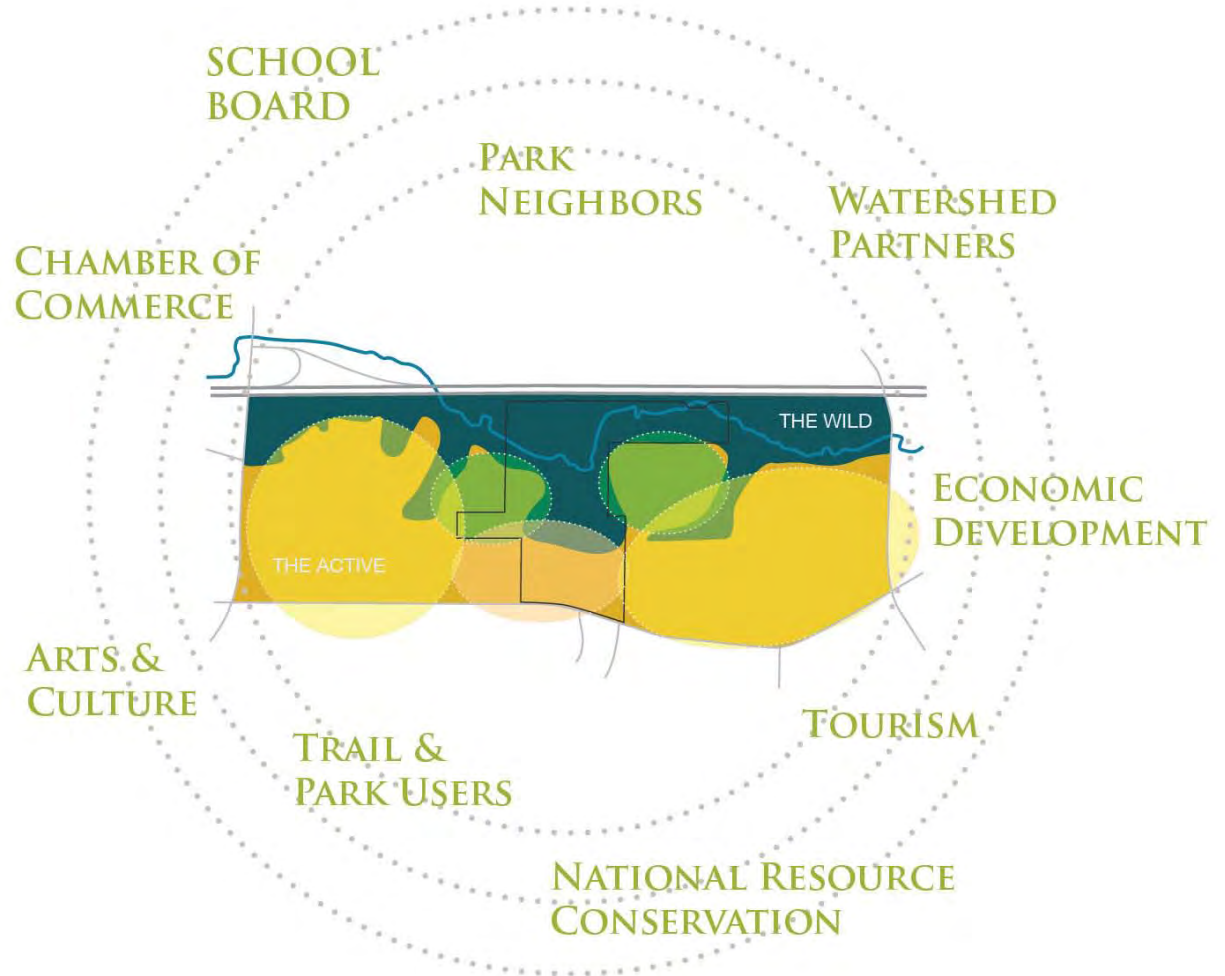
Cultural

14 Focus Group Meetings
2 day Design

3 Public Workshops

5 Steering Committee Meeting

2 Pleasant Valley Meeting



Steering Committee Priorities

preliminary program

Forest Grove Park – Master Plan

Cultural

Connectivity:

- Connect to the surrounding and larger community.

Campus / Village:

- Let the park and open space serve as a focal point to the surrounding community.

Smart Growth:

- Walkable/Livable/Enjoyable.

Healthy:

- A community that promotes healthy lifestyles.

Environmental

Conservation:

- Safe guard natural environment.

Restoration:

- Restore the remains of the woodland savanna and prairie.
- Restore Spencer Creek shoreline and wetlands.

Water Quality:

- Improve Spencer Creek water quality.

Economic

Quality:

- Develop park land that adds to the value of the surrounding community.

Opportunity:

- Develop facilities that provide opportunity for revenue.

Share Resources

- Develop facilities that serve multiple uses

An aerial photograph of a park or campus with a winding path, trees, and a building. The image is overlaid with a green tint and various text elements.

Sustainable

Quality Green

Conservation Healthy

Quality

Seamless

Home

Village/Camp

Community

Front Door

Safe

Connected

Share Resources

Four Seasons

WOW Factor

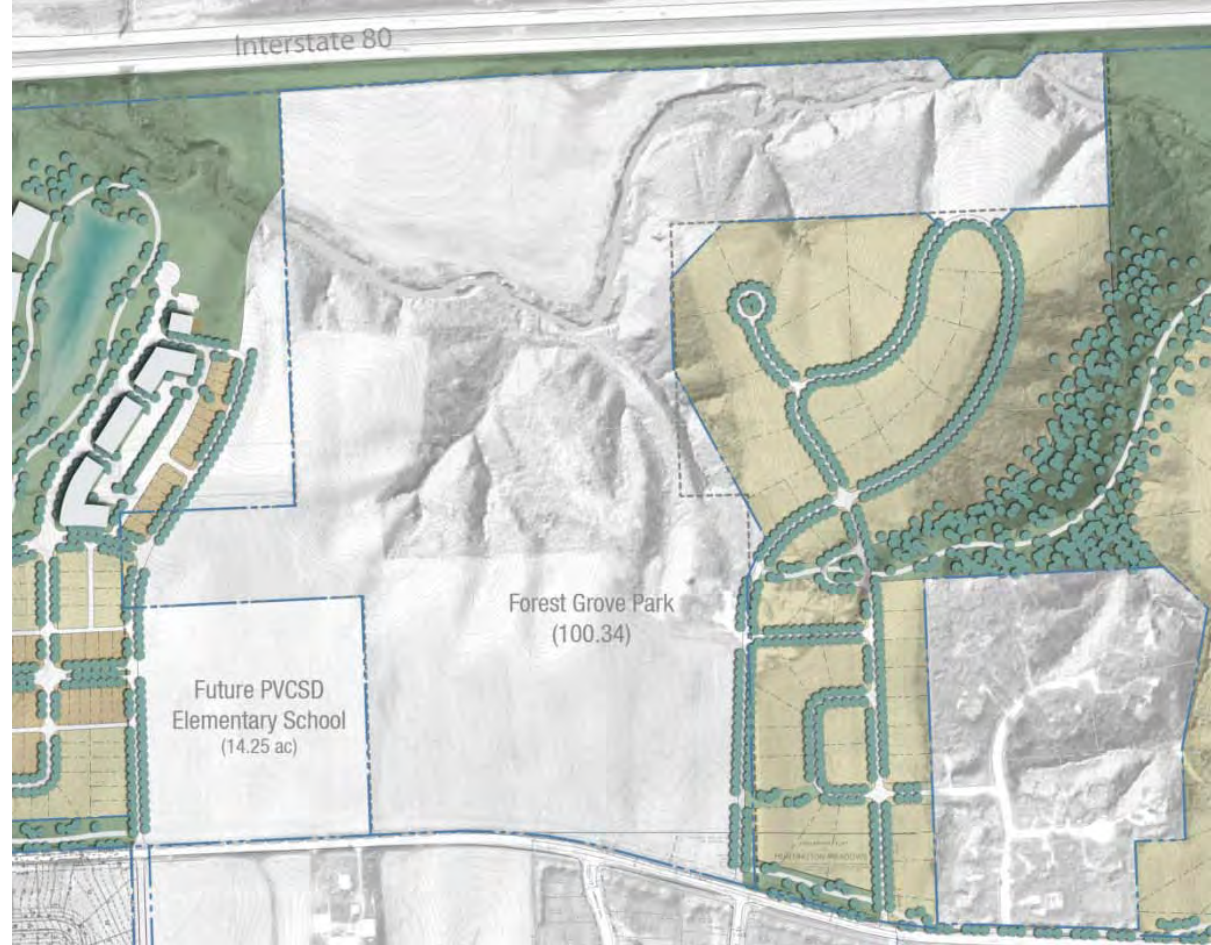
Regional Attractions

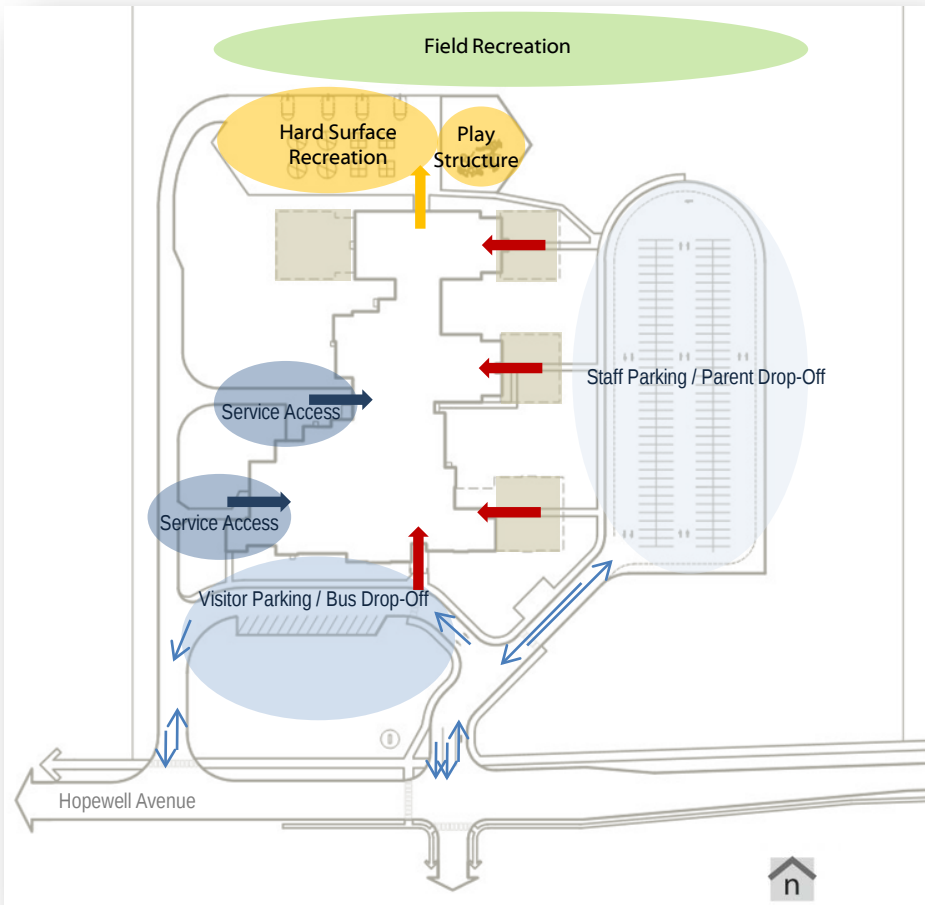
THE SUSTAINABLE SITES INITIATIVE™

Prerequisites and Credits Categories:

1. Site Selection
2. Pre-Design Assessment and Planning
3. Site Design—Water
4. Site Design—Soil and Vegetation
5. Site Design—Materials Selection
6. Site Design—Human Health and Well-Being
7. Construction
8. Operations and Maintenance
9. Monitoring and Innovation



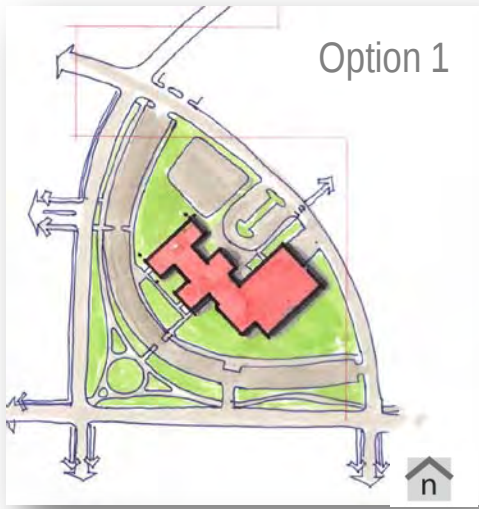




Hopewell Elementary School

- Surrounding Land Use
 - Context
 - Neighbors, Visibility, Access, Connectivity, Others
- Building
 - Existing Building (60,000 SF)
 - Future Addition (21,100 SF)
 - Entrance /Egress
 - Service
 - Public - Events
- Circulation
 - Vehicular
 - Staff Parking (124 Stalls) / Parent Drop-Off (475LF Pickup (23 Cars))
 - Visitor Parking 12 Stalls) / Bus - Pick Up, Drop Off (2?)
 - Service
- Recreation
 - Hard – Courts
 - Hard Surface Multi-Use (23,273 SF (½ Acre))
 - Playground (7623 SF)
 - Soft -Field (9.5 Acres)
 - Soccer Goals
 - Open Flex Lawn

Option 1



Option 2



Option 3



Option 4



Forest Grove Elementary School

- Safety
- Accessibility
- Economy
- Future Expansion
- Visibility / Experience
- Outdoor Recreation
- Other

Option 5





Forest Grove Elementary School

- Safety
- Accessibility
- Economy
- Future Expansion
- Visibility / Experience
- Outdoor Recreation
- Other

+

Chapter 3: Plan Alternatives

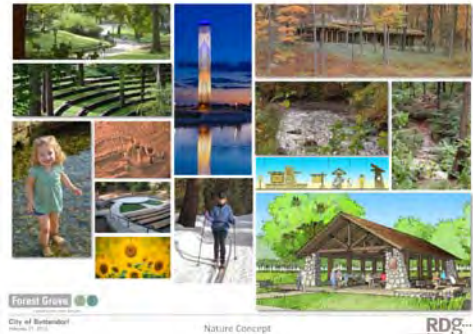
Program Development
Plan Development





ACTIVE CONCEPT

NATURE CONCEPT



AGRARIAN CONCEPT

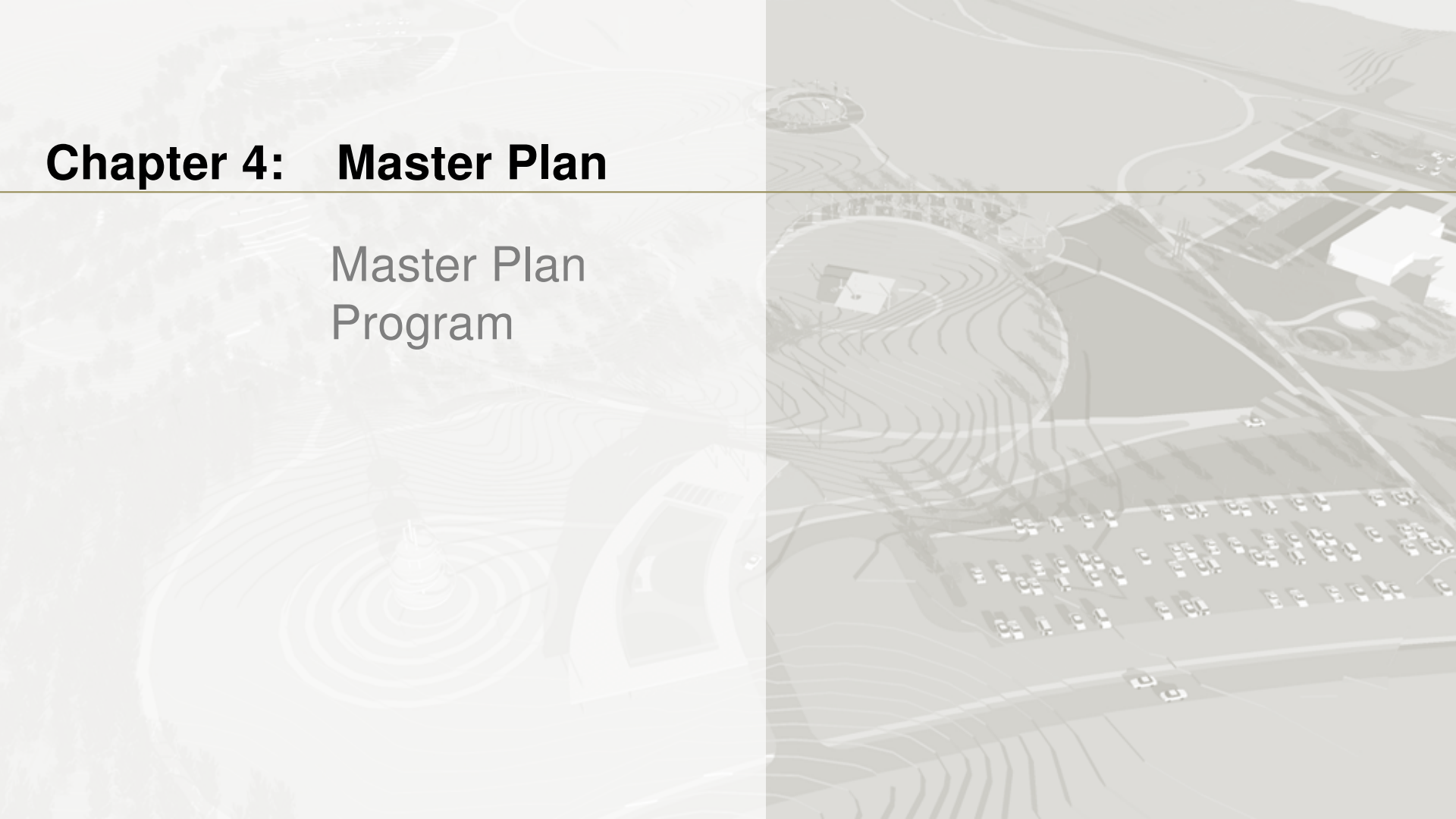
PRELIMINARY MASTER PLAN

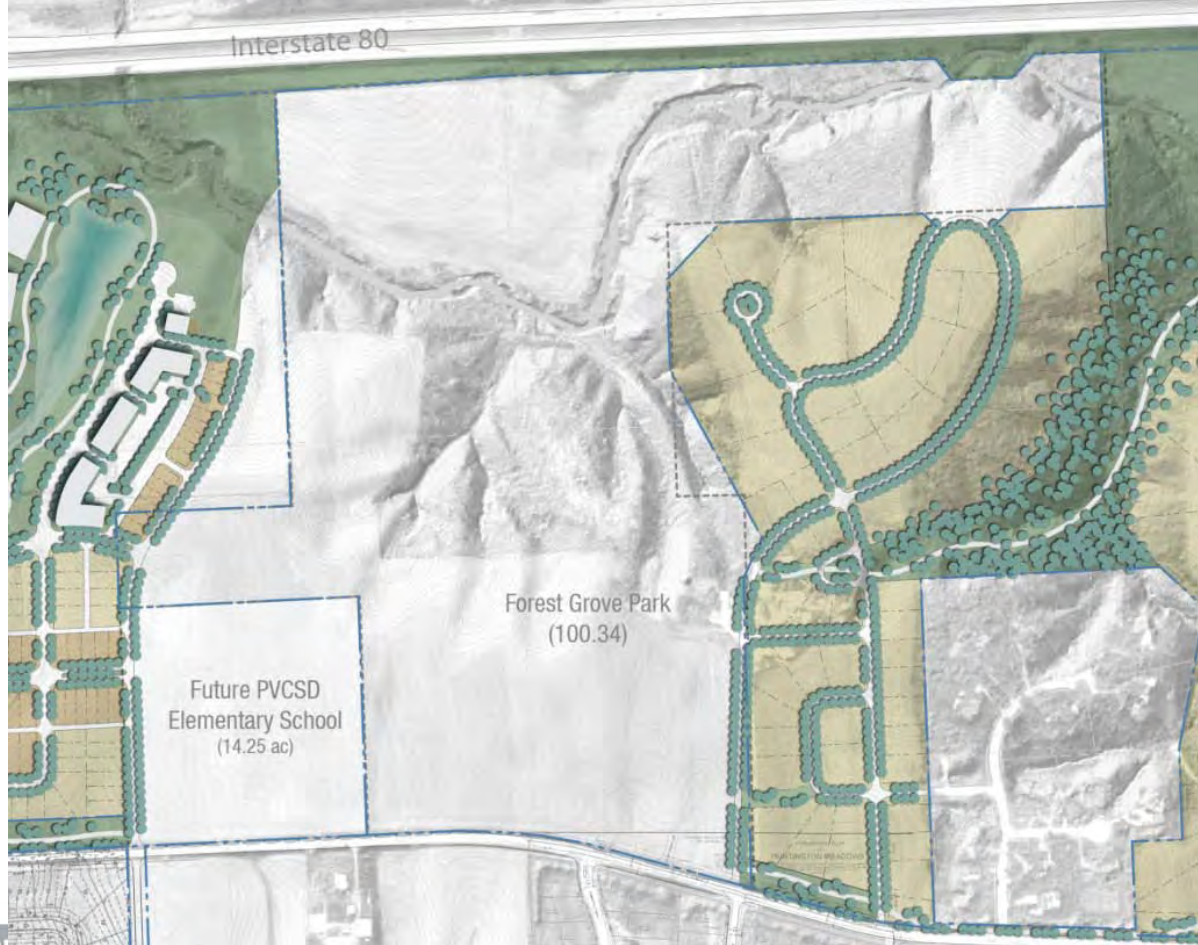
- 1 Miracle Field
- 2 Trailhead - Shelter
- 3 Playground
- 4 Elementary School (Proposed)
- 5 Lodge (9,600 – 10,500 square feet)
- 6 Shelter
- 7 Large Amphitheater (800 – 1,200 people)
- 8 Small Amphitheater / Classroom
- 9 Parking
- 10 Trail
- 11 Open Space
- 12 Established Wetland
- 13 Restored Woodland
- 14 Spencer Creek
- 15 Preserved Prairie
- 16 Adventure Course
- 17 Prairie Maze



Chapter 4: Master Plan

Master Plan Program

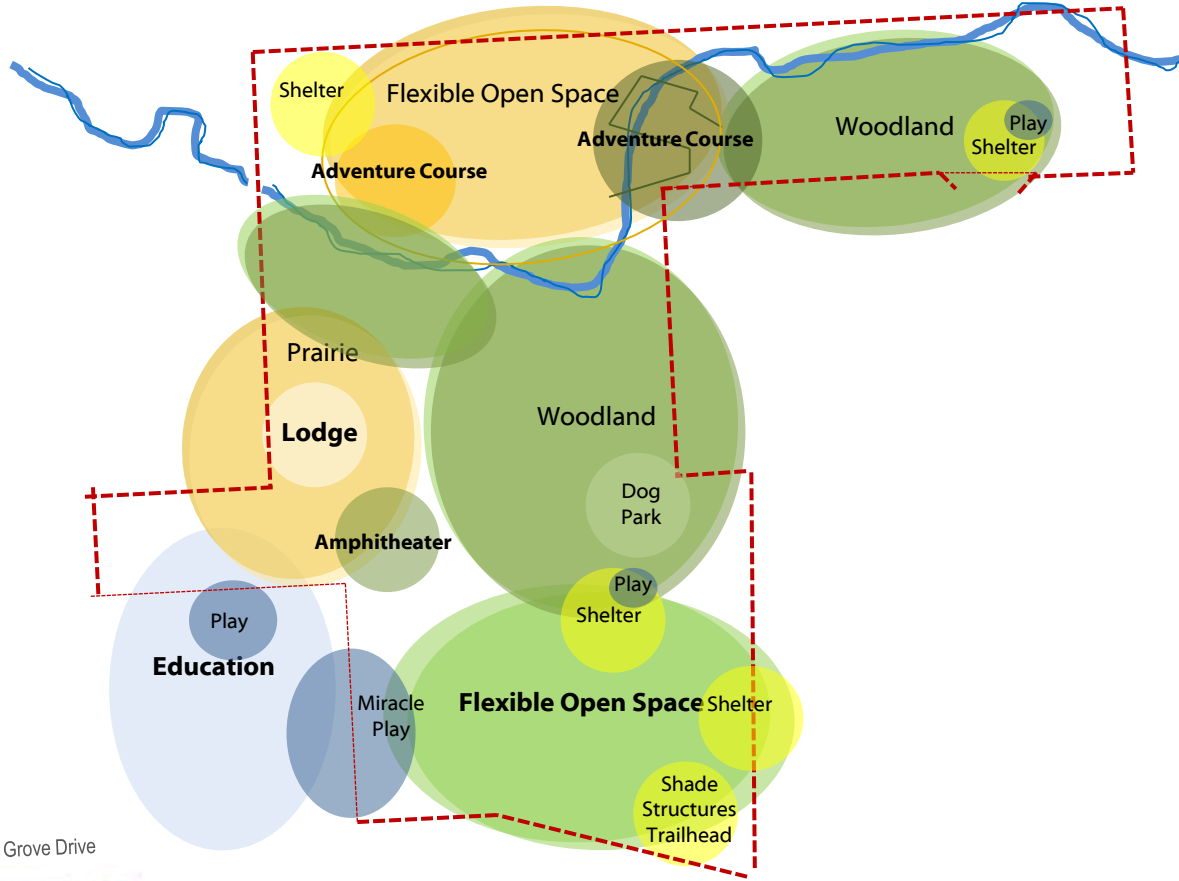




Forest Grove

a place to live, work and play

I-80



PRELIMINARY MASTER PLAN

Park Zoning

Forest Grove Drive

PRELIMINARY MASTER PLAN

- 1 Miracle Field
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0 150' 300' 600'



Master Plan

Forest Grove Park – Master Plan



- Neighborhood Node
- Adventure Course
- The Prairie Maze
- Spencer Creek Restoration
- Interpretive Node
- Prairie Tower
- Community Building
- Savanna Studio
- Art Walk
- The Edge
- Amphitheater
- Water/Winter Plaza
- Miracle Field
- The Hub
- Great Lawn
- Shared Parking
- Community Corner

Forest Grove
a place to stop, work and play
City of Bettendorf
February 21, 2012





Neighborhood Node

Adventure Course

The Prairie Maze

Spencer Creek Restoration

Interpretive Node

Prairie Tower

Community Building

Savanna Studio

Art Walk

The Edge

Amphitheater

Water/Winter Plaza

Miracle Field

The Hub

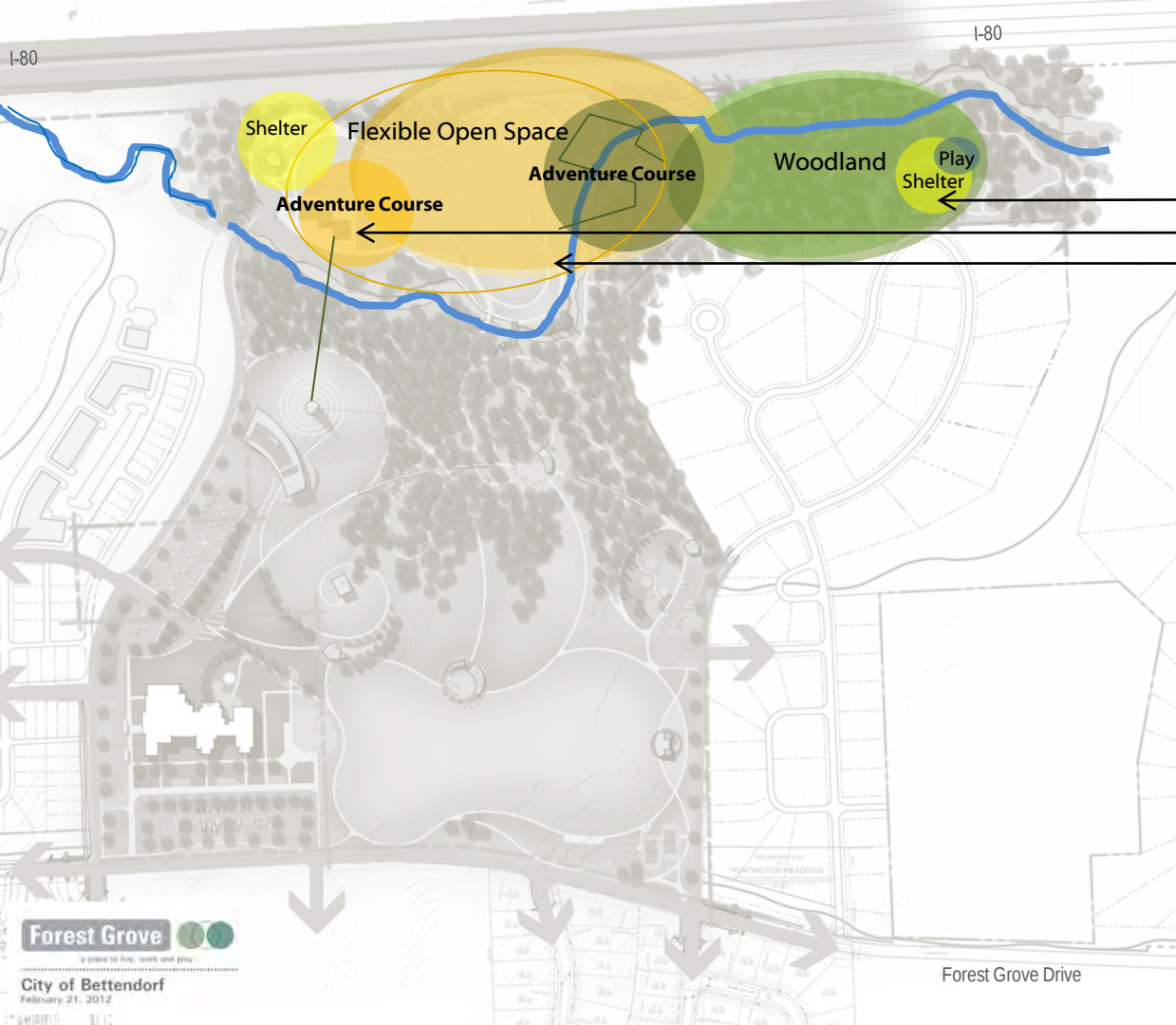
Great Lawn

Shared Parking

Community Corner

Master Plan

Forest Grove Park – Master Plan



Neighborhood Node

Adventure Course

The Prairie Maze

Forest Grove

a place to stop, work and play

City of Bettendorf

February 21, 2012

Forest Grove Drive







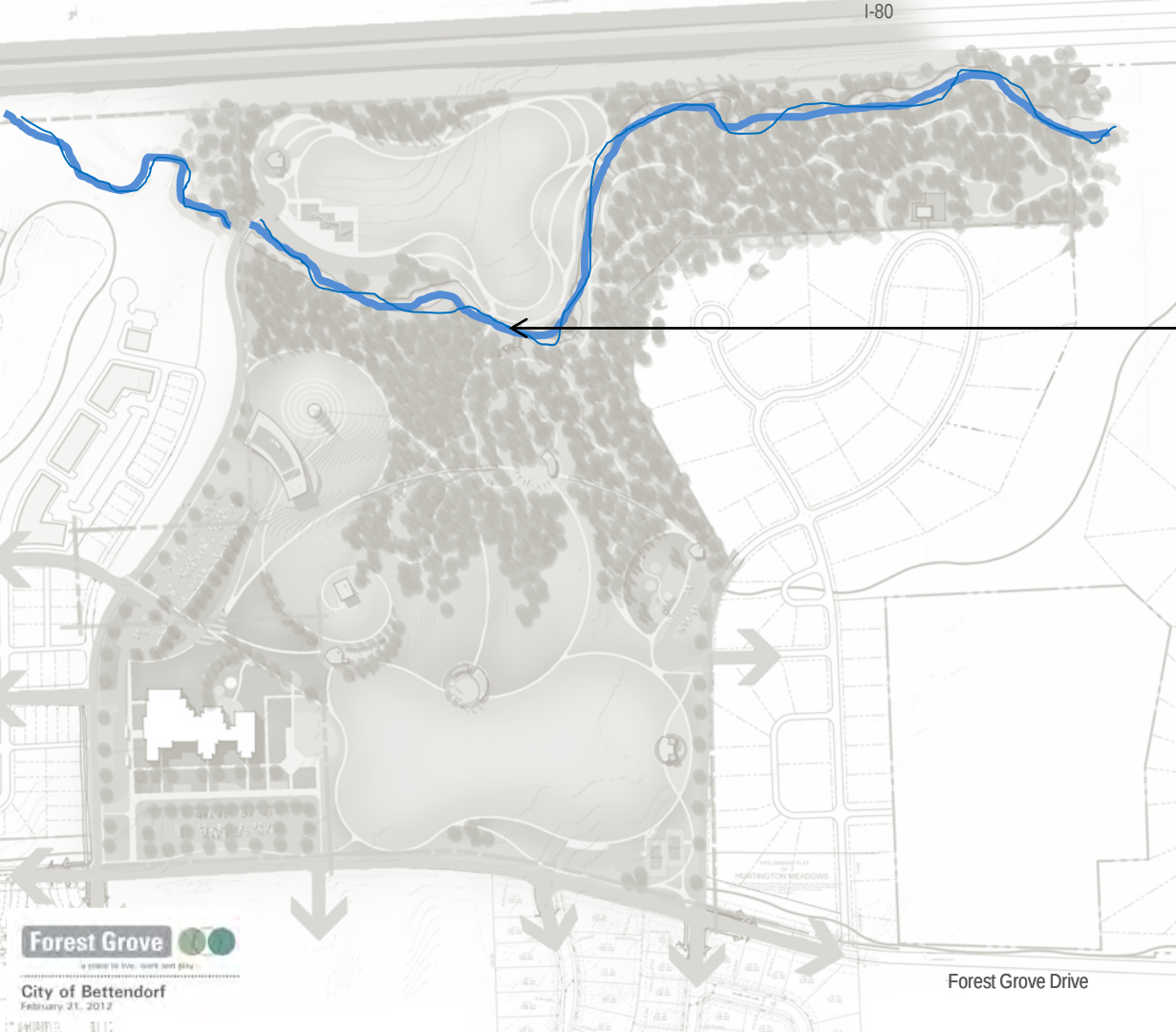




Master Plan

Forest Grove Park – Master Plan

Spencer Creek Restoration





Master Plan

Forest Grove Park – Master Plan



Prairie Tower
Community Building

Amphitheater

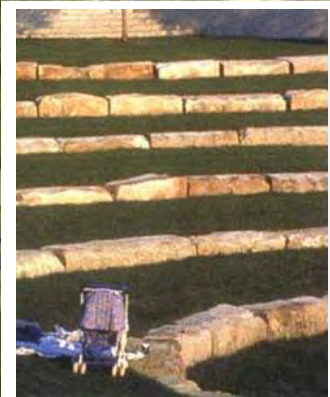
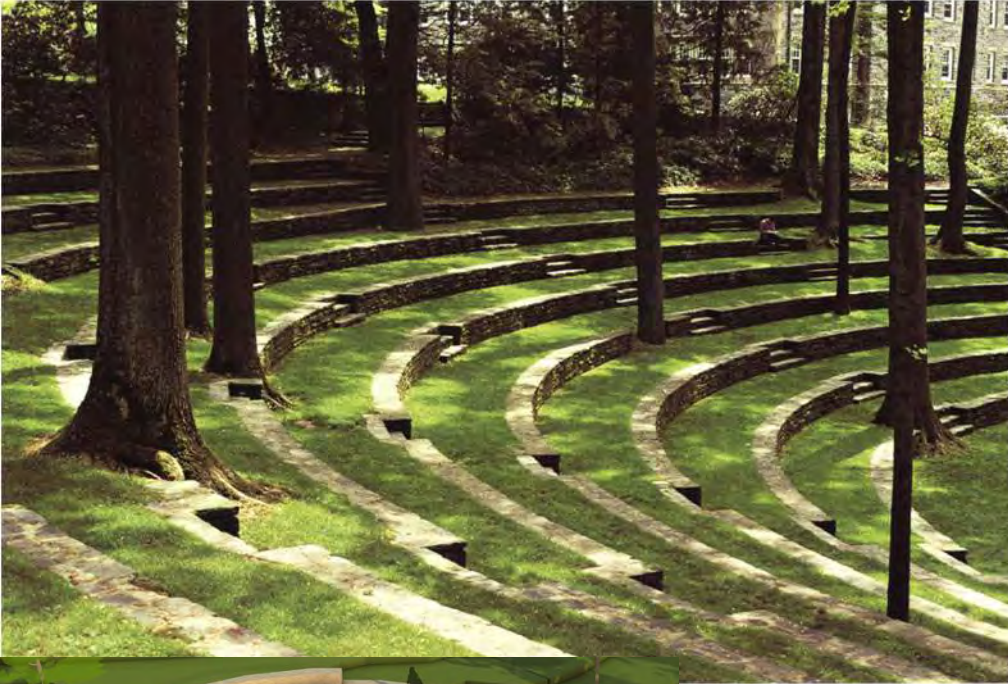




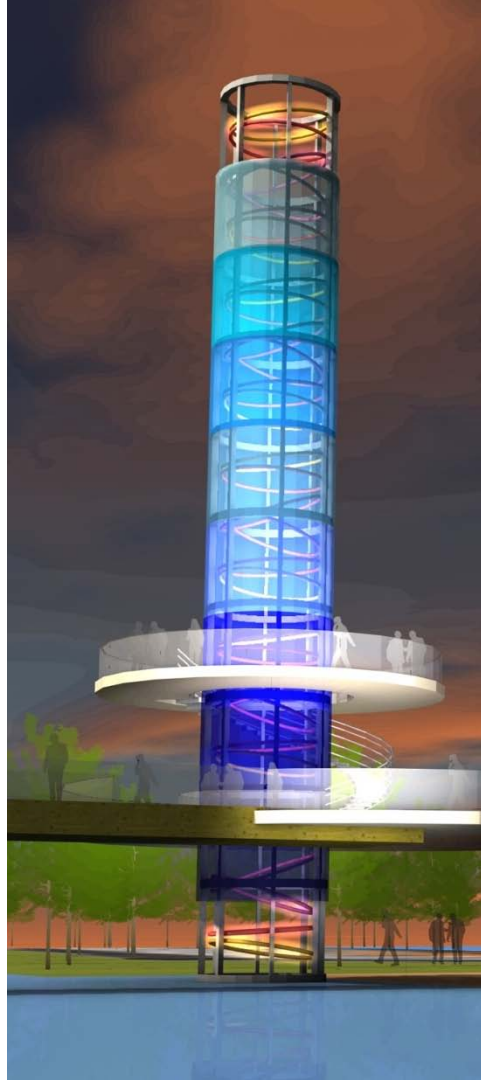
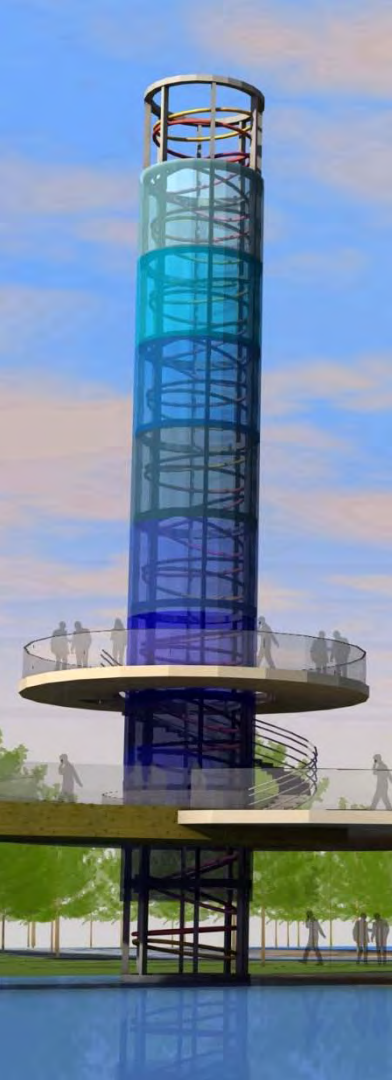
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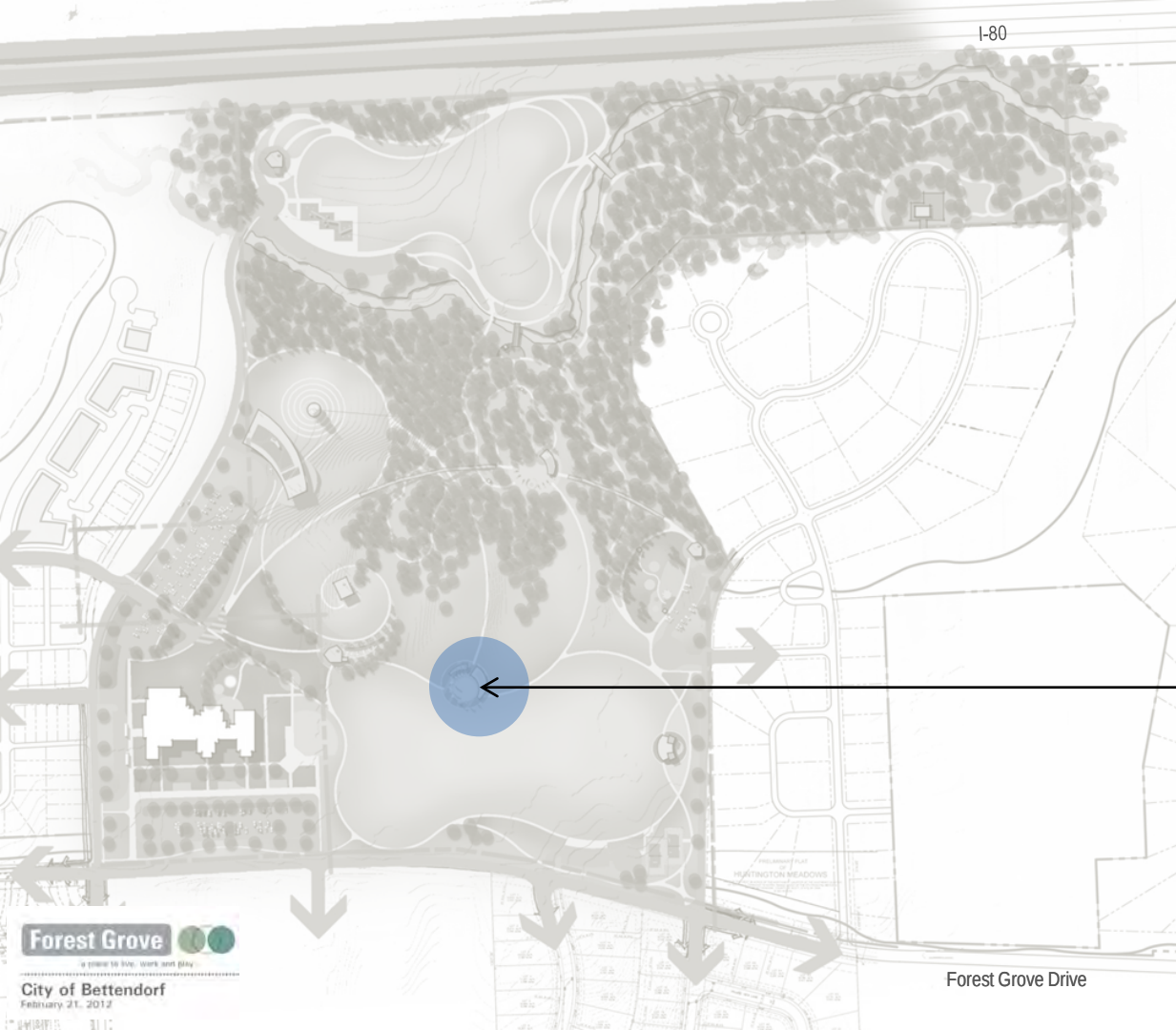
Park Architecture





Master Plan

Forest Grove Park – Master Plan



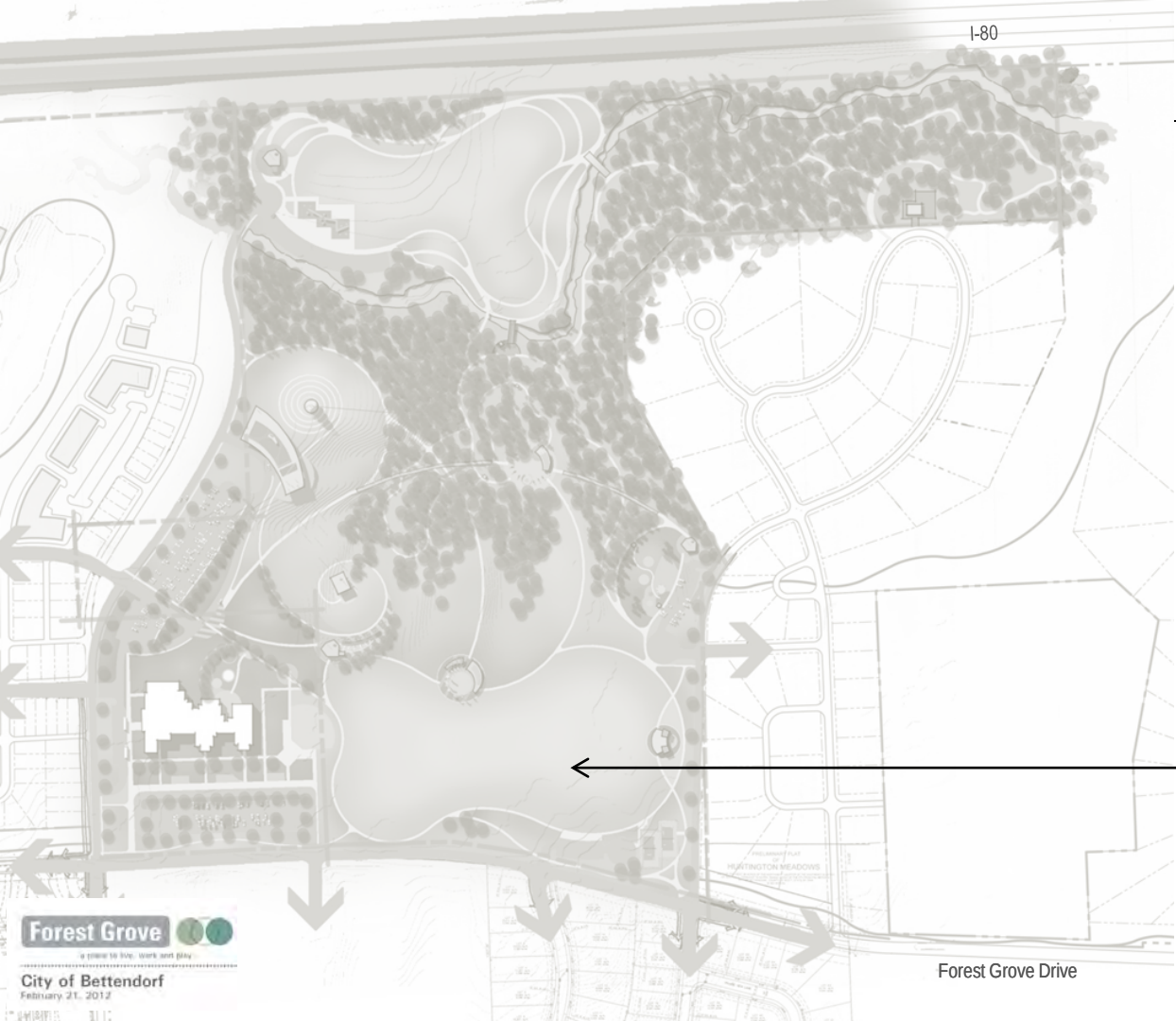
Water/Winter Plaza

Forest Grove Drive



Master Plan

Forest Grove Park – Master Plan

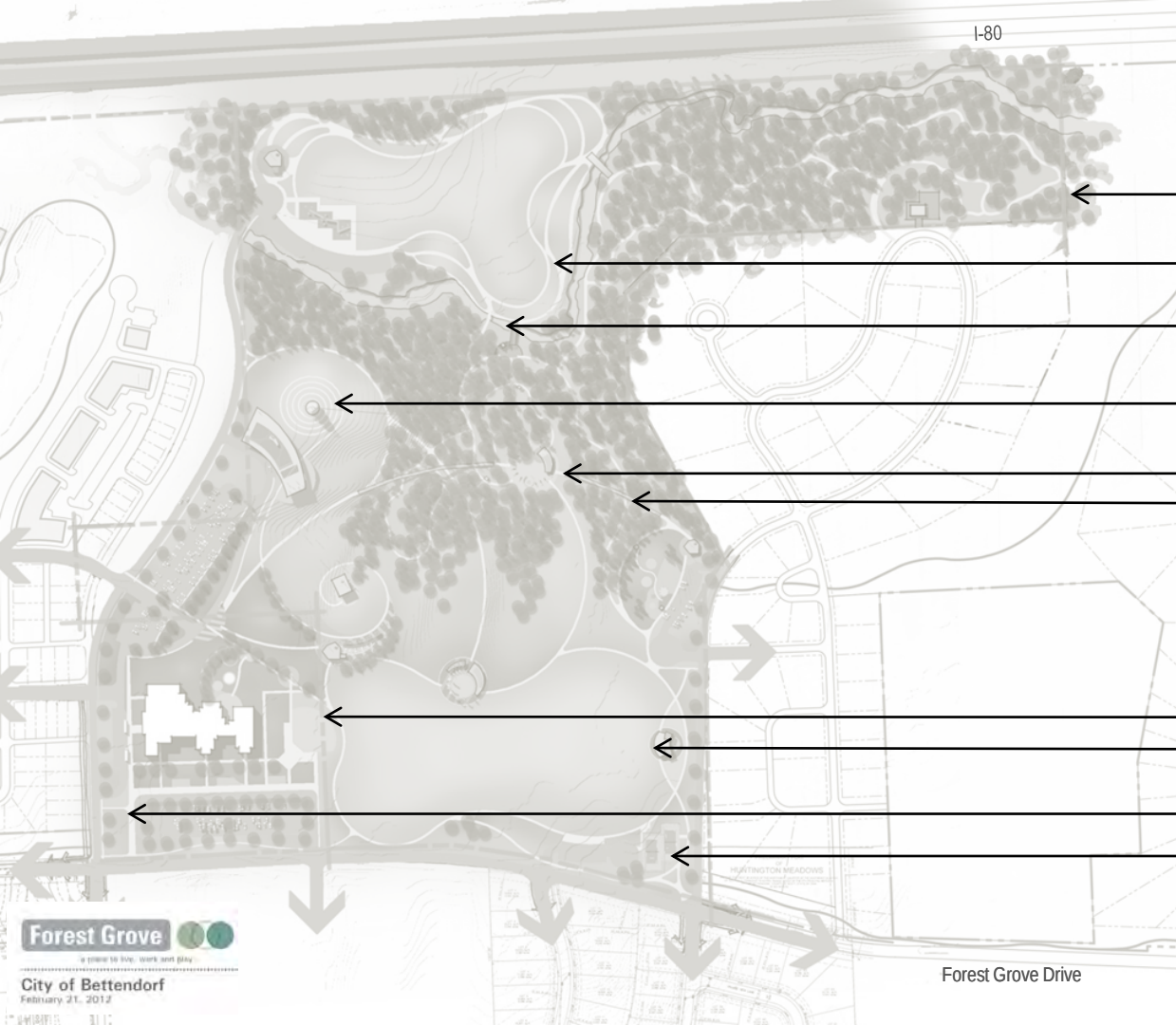


Great Lawn



Master Plan

Forest Grove Park – Master Plan



Nature Trail

The Prairie Trail

Spencer Creek Restoration

Prairie Trail

Nature Trail

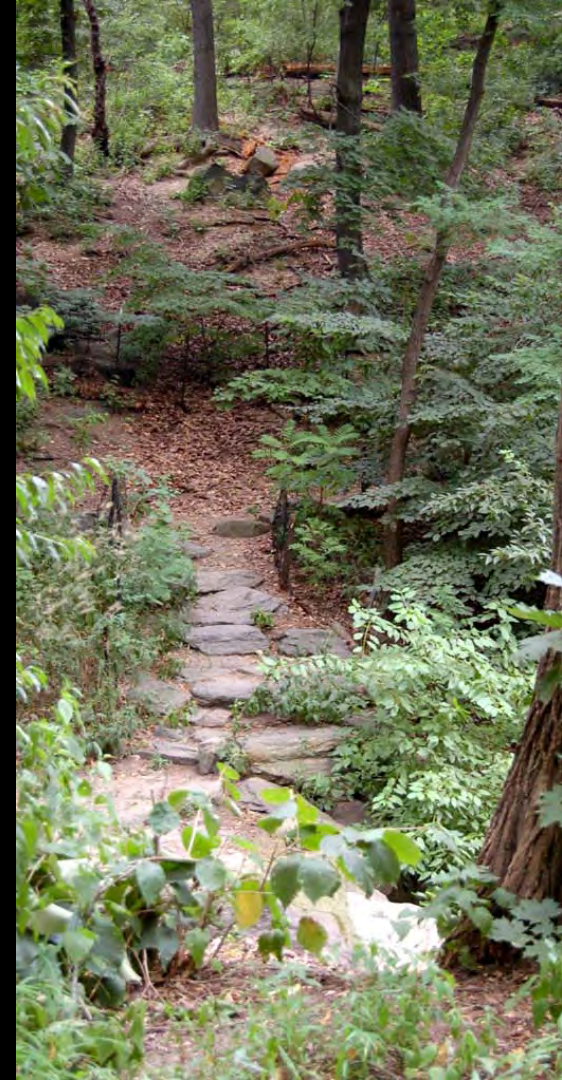
Art Walk

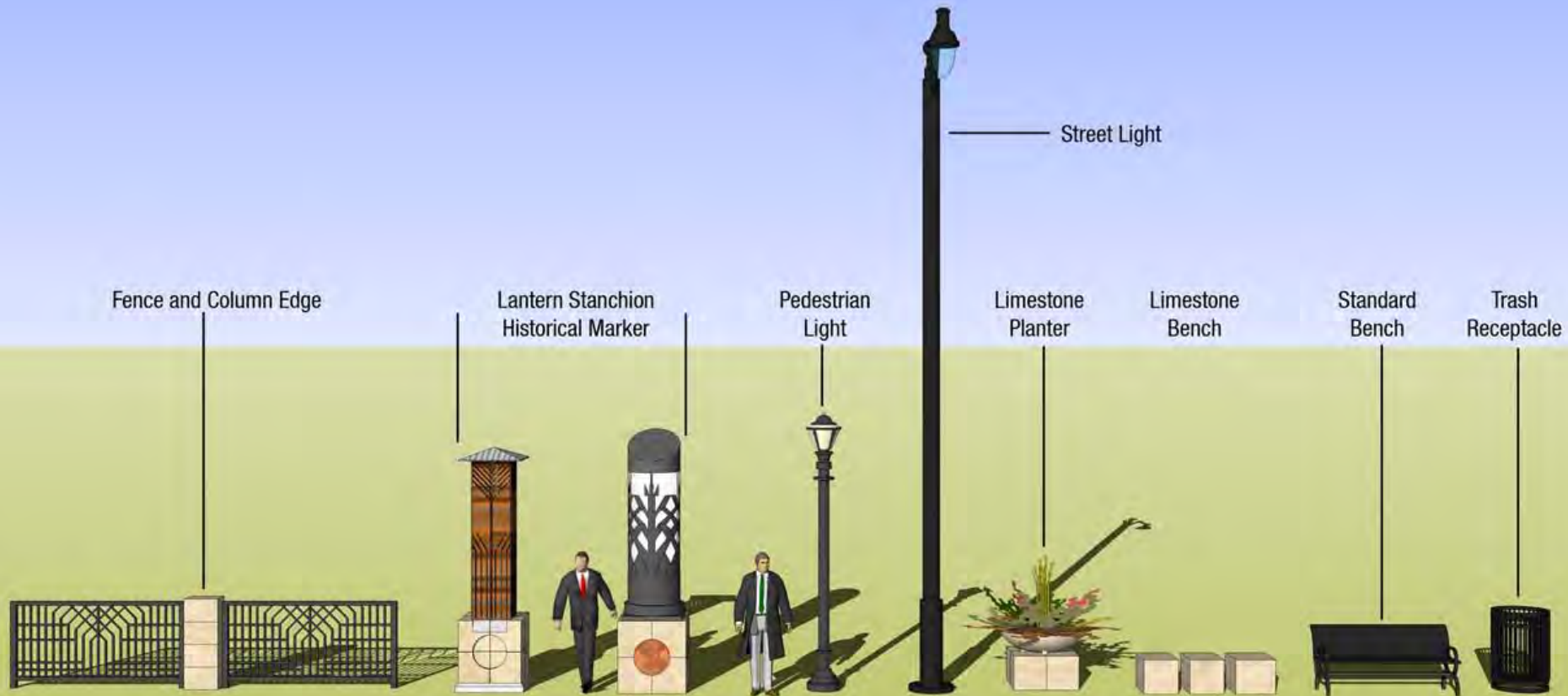
Recreational Trail

Recreational Trail

Enhanced Pedestrian Crossing

Trail head





Master Plan

Forest Grove Park – Master Plan



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Forest Grove
a place to stop, work and play
City of Bettendorf
February 21, 2012

Forest Grove Drive



RDg...
PLANNING • DESIGN

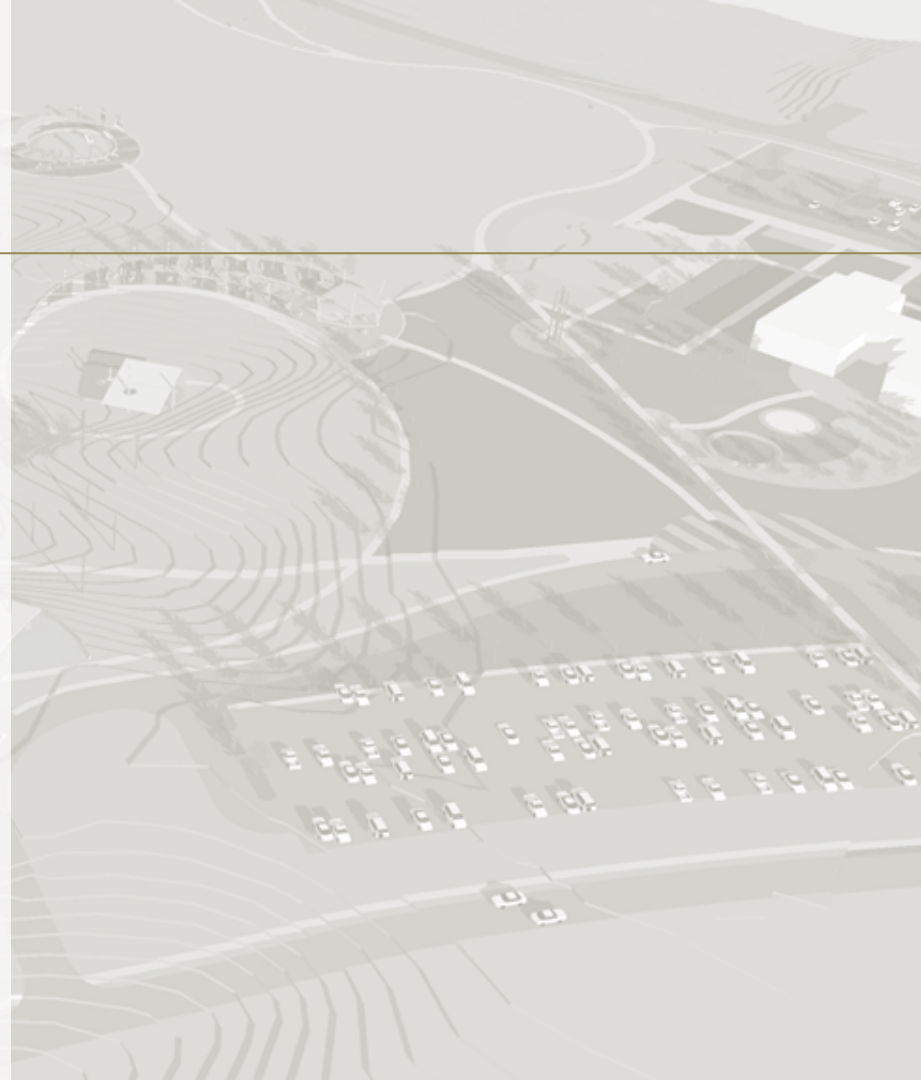
Chapter 4: Implementation

Partners

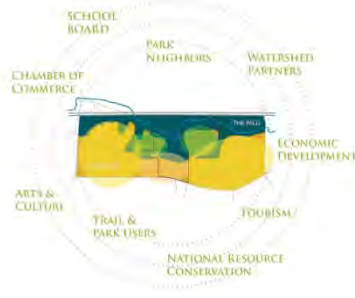
Priorities

Project Cost

Final Deliverables



Funding Partners



Funding Sources

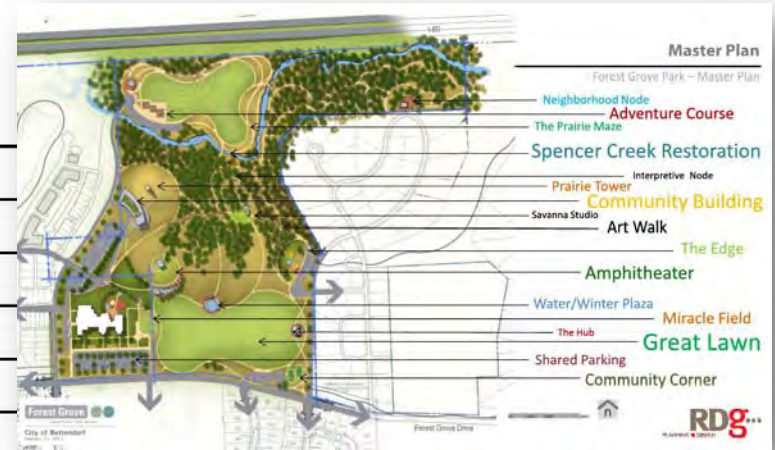
	Local				County/Region				State				National				Private						
	City of Bettendorf	QC Convention & Visitor's Bureau	Public Art Foundation (Quad City Arts)	Bettendorf Rotary / Lions / Kiwanis	NRCS	Scott County	Gaming	Outdoor Adventure	CAT/Vision Iowa	REAP	Iowa Department of Transportation	Iowa Department of Natural Resources	Iowa Department of Tourism (IDEA)	Iowa Soybean Association	US Fish & Wildlife	NEA (Our Town)	NRPA	NPS – Active Trails Program	LAWCON	Private Foundation	Industry – John Deere, Bass Pro	PF/Ducks/IKES	Trees Forever
Miracle Field	✓	✓		✓			✓		✓										✓		✓		
Art Walk	✓	✓	✓						✓	✓						✓			✓	✓			
Adventure Course	✓	✓							✓	✓		✓							✓	✓			
Water Winter Plaza	✓	✓							✓	✓									✓	✓	✓		
Community Building (Lodge)	✓	✓		✓					✓	✓			✓						✓	✓			✓
Ecological Restoration	✓	✓							✓	✓		✓	✓	✓					✓	✓			
The Great Lawn	✓	✓	✓	✓						✓			✓						✓	✓			
Pathways & Boardwalks	✓				✓					✓		✓		✓	✓				✓			✓	✓
The Edge, Community Corner, Neighborhood Node, and Hub	✓	✓							✓	✓									✓				✓
Park Amenities	✓	✓								✓									✓	✓			
Gray Infrastructure	✓																						
Prairie Tower	✓				✓					✓		✓		✓	✓							✓	✓

*This graph has been created for illustration purposes only

- ✓ High Magnitude / Priority
- ✓ Medium Magnitude / Priority
- ✓ Low Magnitude / Priority

Implementation Priorities

High	Medium	Low	Cost	Projects
			\$ xxx,xxx	Miracle Field
			\$ xxx,xxx	Art Walk
			\$ xxx,xxx	Adventure Course
			\$ xxx,xxx	Water Winter Plaza
			\$ xxx,xxx	Community Building (Lodge)
			\$ xxx,xxx	Ecological Restoration
			\$ xxx,xxx	The Great Lawn
			\$ xxx,xxx	Pathways & Boardwalks
			\$ xxx,xxx	The Edge, Community Corner, Neighborhood Node, and Hub
			\$ xxx,xxx	Park Amenities
			\$ xxx,xxx	Gray Infrastructure
			\$ xxx,xxx	Prairie Tower



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Master Plan

June 4, 2012, 2012

Forest Grove Elementary – Master Plan



AMPHITHEATER AND SUMMER PLAZA DURING AN EVENT

A Case for a Better Way of Community Building

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- The health and environmental benefits of linking humans to nature, including walk-to open spaces, neighborhood stormwater systems and waste treatment, and food production.
- High performance buildings and energy systems.

A HEALTHY WAY OF LIVING

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WINTER PLAZA



SAVANNA STUDIO



PRAIRIE TOWER & COMMUNITY BUILDING



GREAT LAWN



SPENDER CREEK RESTORATION

more

