

Southeast Regional Park Master Plan

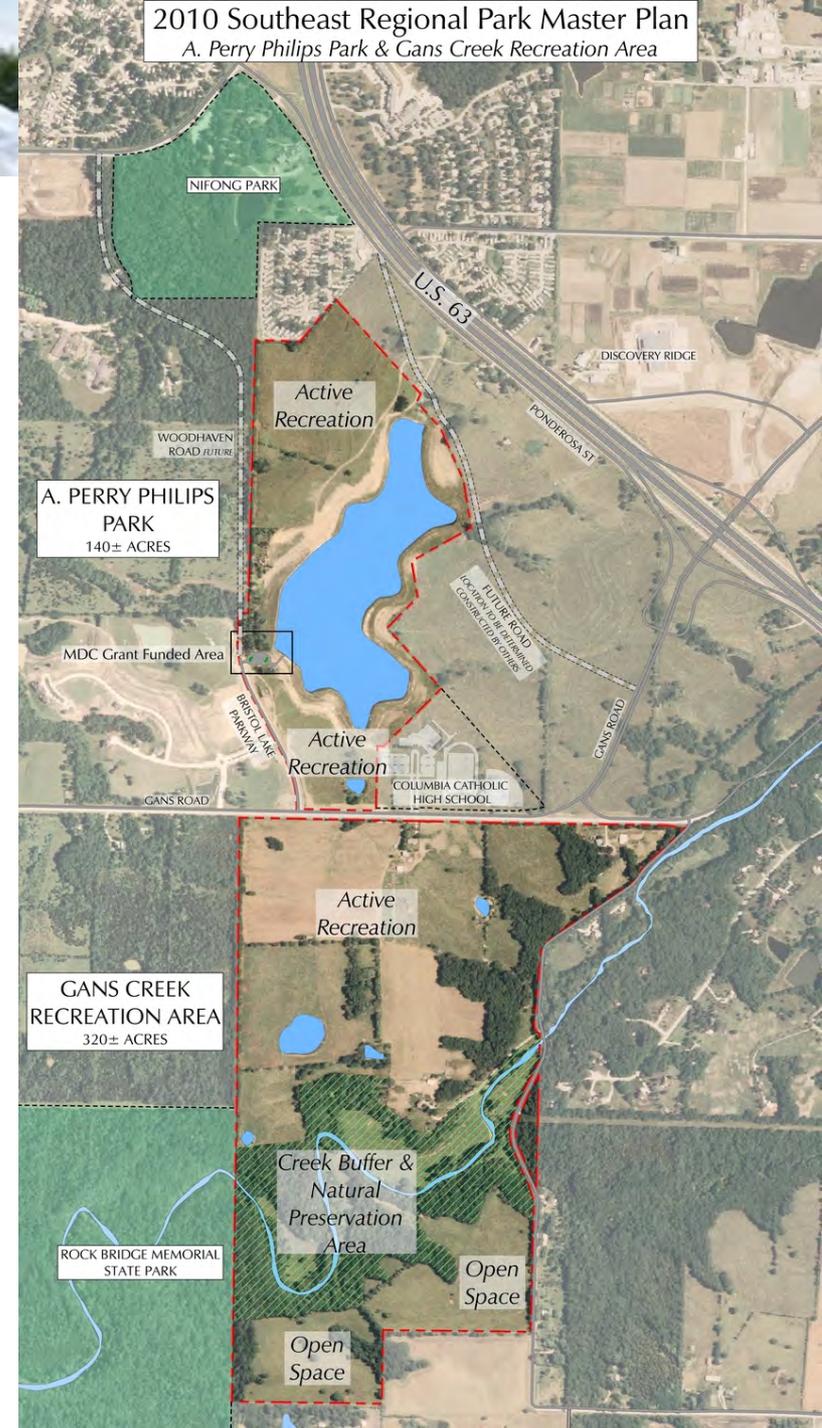
February 18, 2010

*Developing a master plan for the
A. Perry Philips Park and Gans
Creek Recreation Area*



Southeast Regional Park Planning Goals

- Conduct an in-depth, interactive, interdisciplinary planning process which results in a:
 - comprehensive, **community acceptable** regional park **master plan**;
 - incorporates **state-of-the-art** best management practices (**BMP**) to **protect and enhance the environment**;
 - that **supports high use, active recreation** facilities and programs.





Regional Park Definition

- **Size: 200 acres** or more
- **Diversity of recreational opportunities**
 - **natural settings** for passive use
 - intensely developed indoor or outdoor facilities for **competitive/active** uses.
 - **accommodate large numbers** of people without significant deterioration of the recreation experience
- **Proximity to major highways** to handle large volumes of traffic





Typical Features of Regional Parks

- Competition level **athletic fields** with lights
- **Natural/Open Space** areas
- **Protect cultural/sensitive environment** areas
- Picnic **shelters** and **playgrounds**
- Nature and multi-use **trails**.
- Connection to **city-wide trail system**
- **Unique facilities** such as dog parks, pools, ice rink, indoor sports arenas, etc)
- Adequate **support amenities** (parking, restrooms, concessions)
- Typically, **development phased** over time, often 5, 10, or 20 years.





Parks, Recreation & Open Space Master Plan 2002 Facility Needs Update

- Identified need for acquisition and development of a regional park in southeast Columbia
- Master Plan recommended:
 - “Amenities to be included in the new regional park include trails, nature areas, and high-use athletic complexes and support facilities, such as, parking lots, lights, concessions, restrooms, and maintenance areas.”



Parks, Recreation & Open Space Master Plan 2002 Facility Needs Update

Identified needs for the following facilities:

- 10 fields, youth baseball/softball complex
- 10 fields, soccer complex
- 6 fields, football complex
- 8 courts, tennis complex
- 18-hole golf course
- Indoor basketball/volleyball courts
- Nature/interpretive center
- Chlorinated swimming area in south Columbia
- Indoor ice rink
- Other recreation facilities (such as, dog park, paintball field, BMX track, etc.)



Overview: Park Planning Process

Phase I Information Collection

- Needs
- Site Analysis
- Public Input
- Focus Groups
- MDC Grant

Phase II Concept Development

- Develop 2-4 Concept Plans
- Solicit Public Comment
- Develop Draft Plan(s)

Phase III Draft Plan(s) Finalized

- Develop Draft Plan(s)
- Solicit Public Comment
- Finalize Draft Master Plan

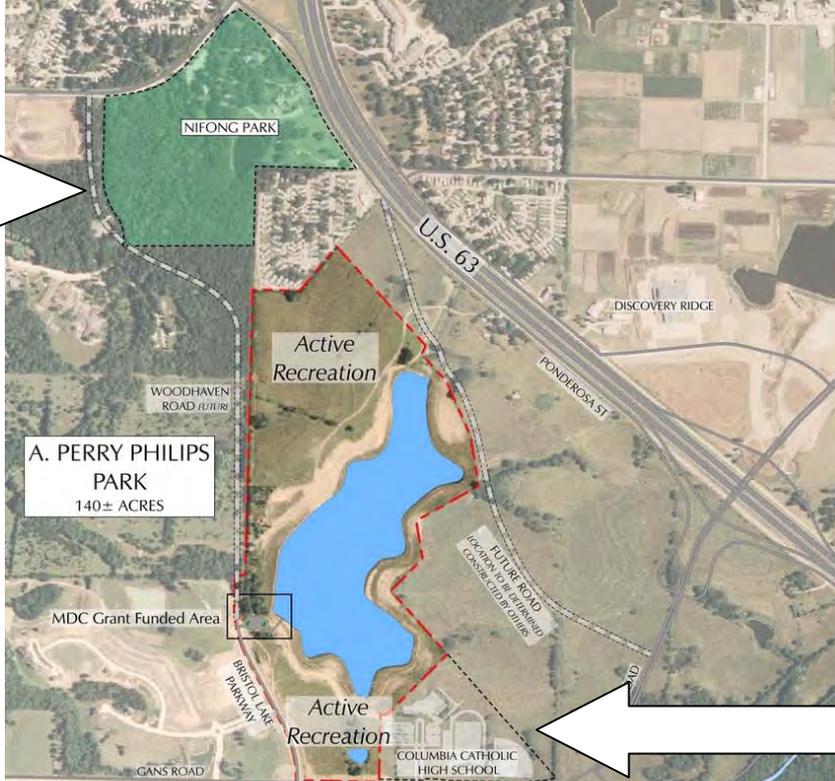
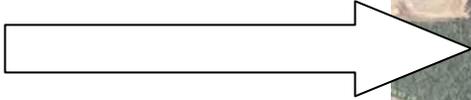


Phase IV Master Plan Approval

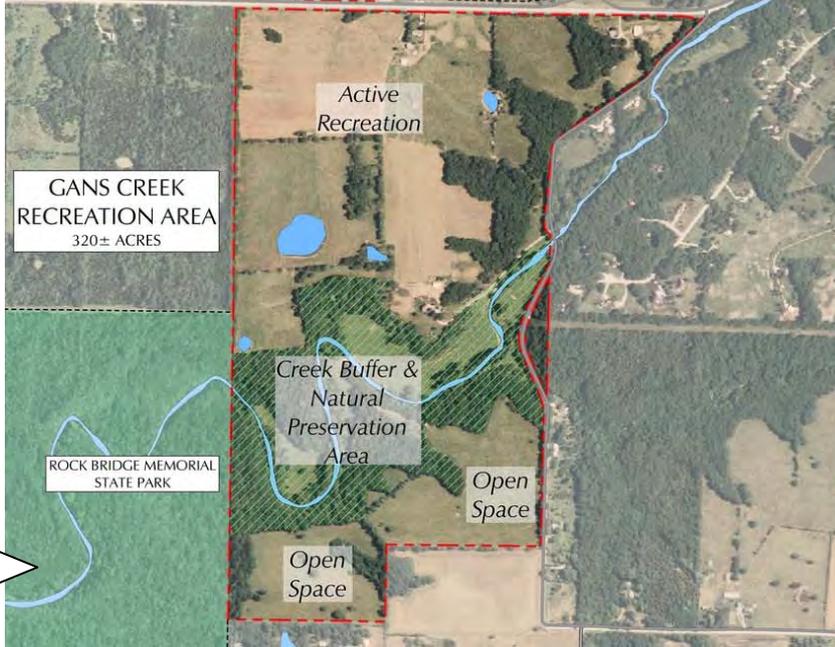
- Solicit Public Comment
- Develop draft cost estimates
- P&R Commission Review & Approval
- City Council Review & Approval



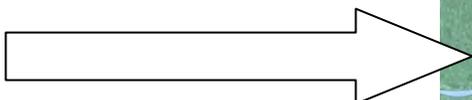
Nifong Park



Catholic High School Site



Rock Bridge State Park

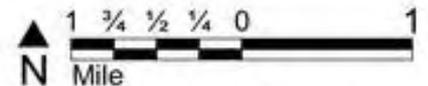


Road Improvements Planned

- Extension of Bristol Lake Parkway north along Philips west boundary;
- Gans Road from Providence Road to Highway 63.

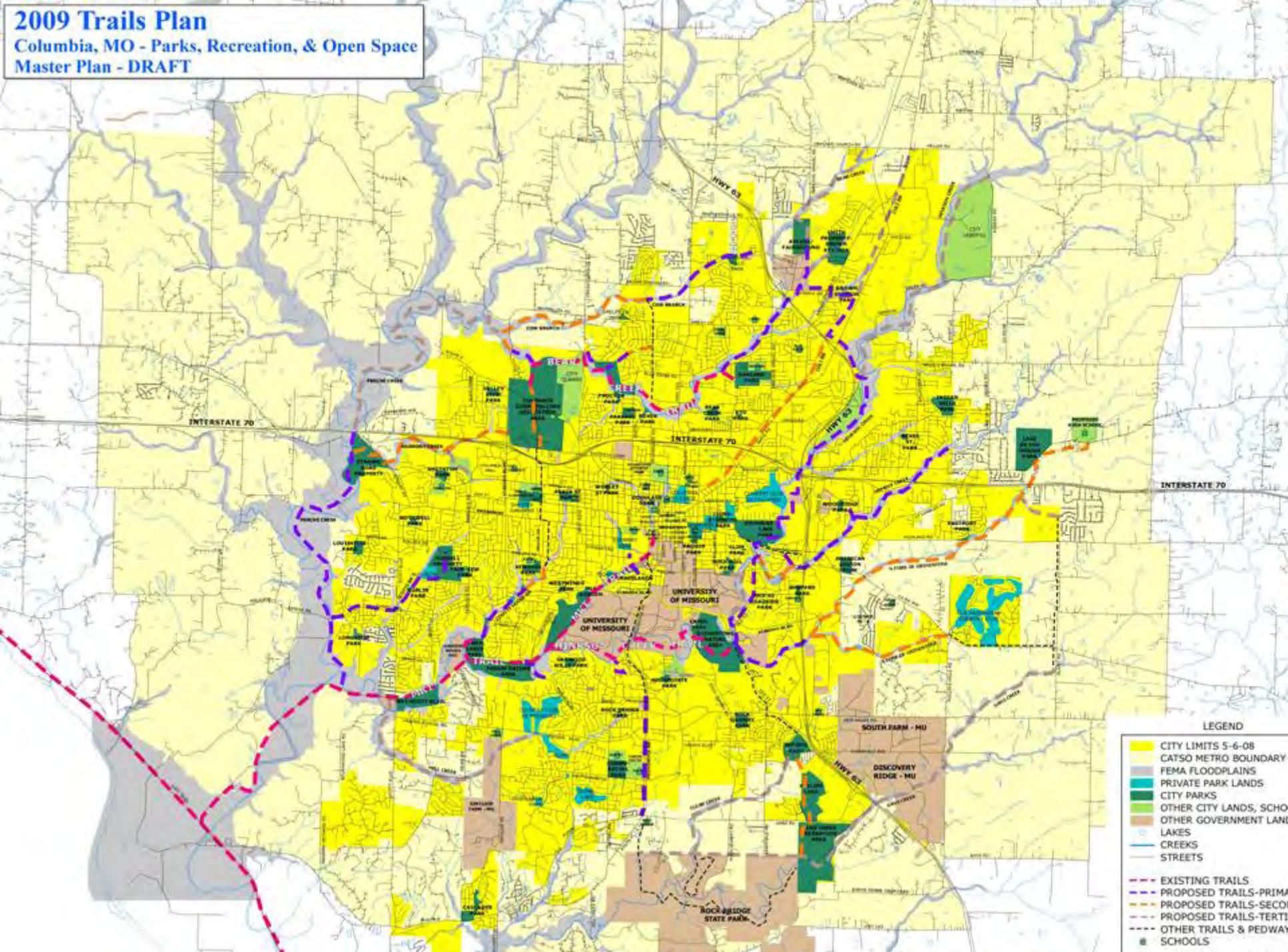


NOTE: THE GANS ROAD INTERCHANGE AND ASSOCIATED ALIGNMENTS ARE PROPOSED AND SUBJECT TO CHANGE

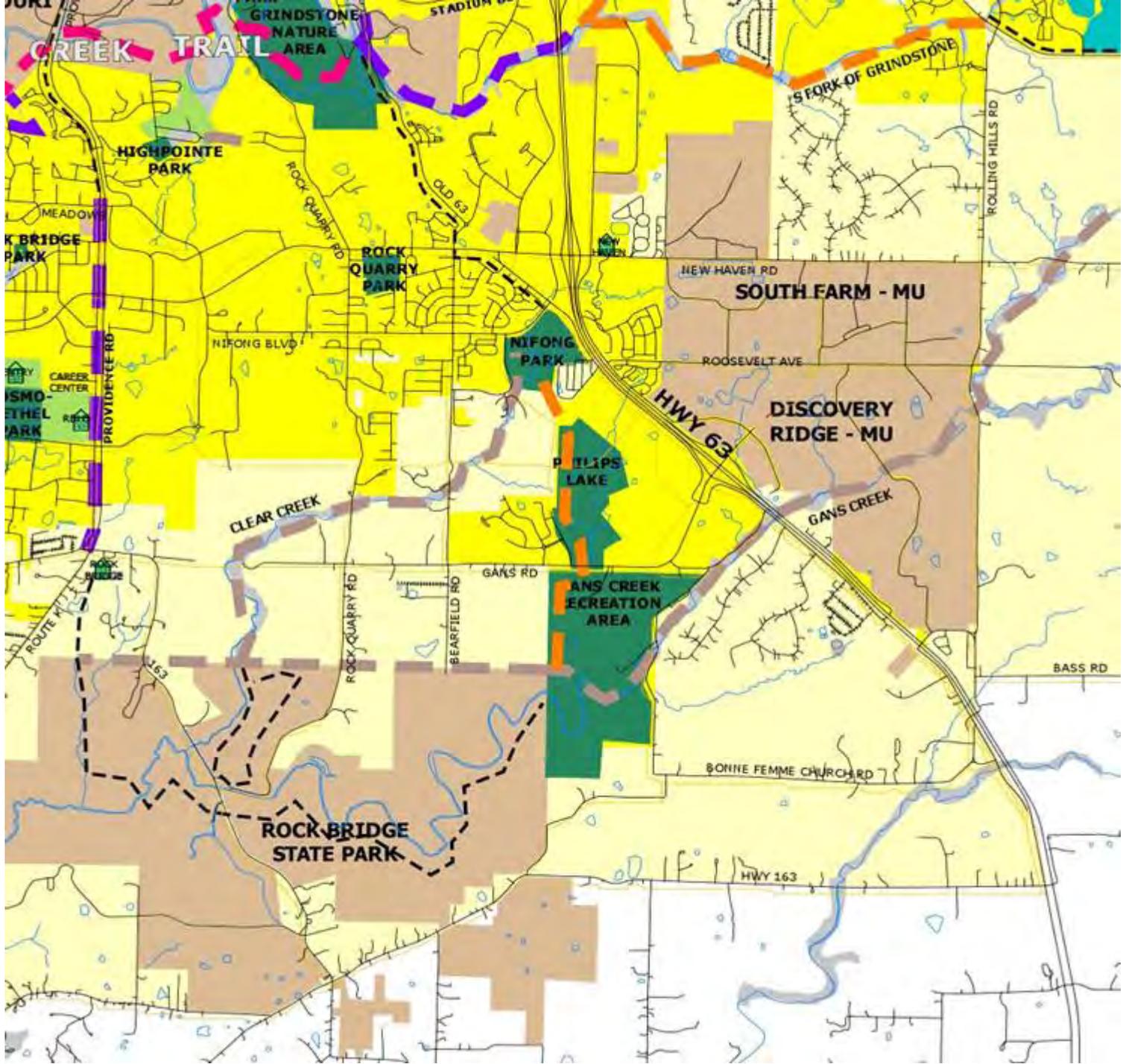


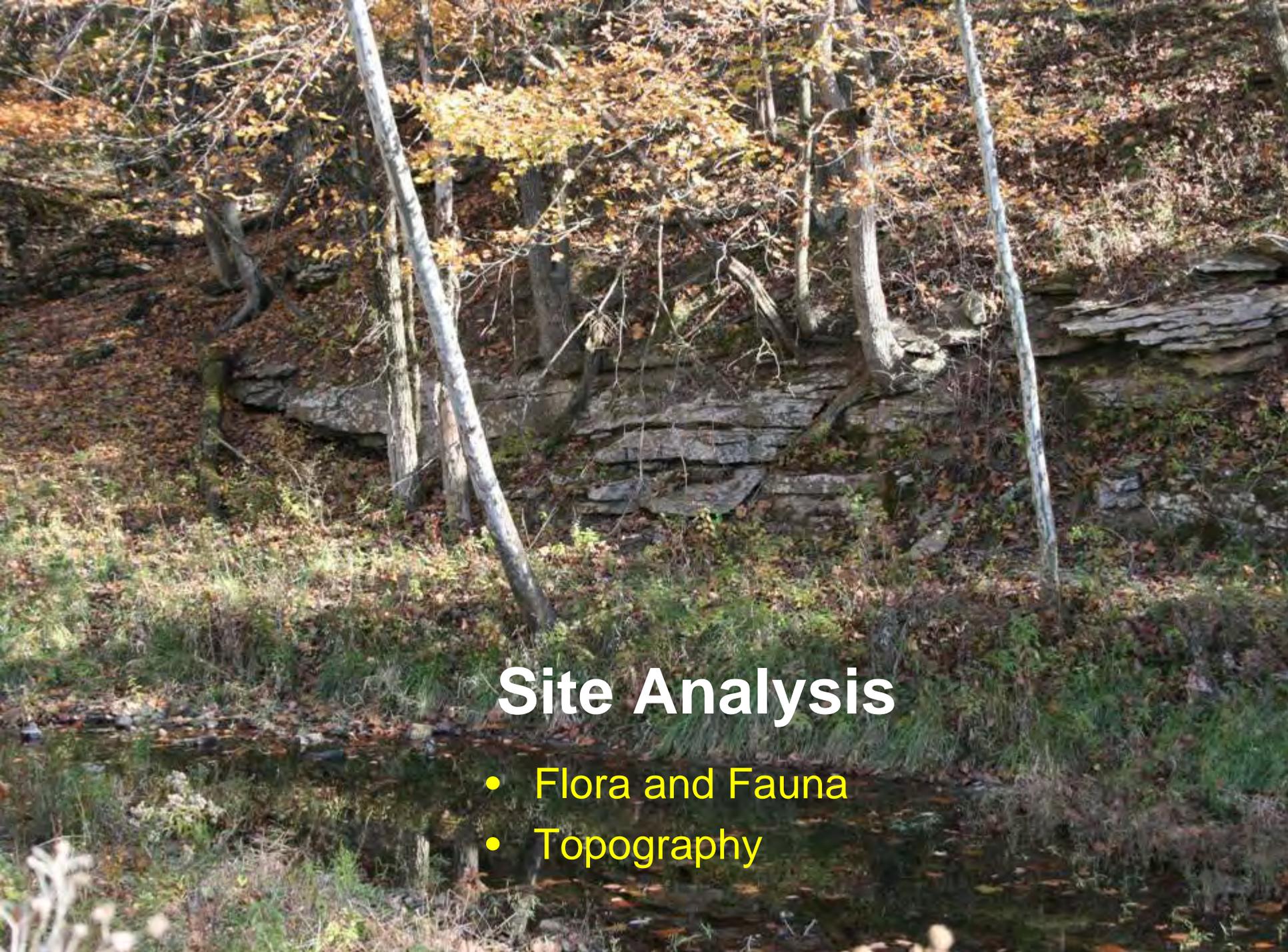
Major Roadway Plan

2009 Trails Plan
 Columbia, MO - Parks, Recreation, & Open Space
 Master Plan - DRAFT



- LEGEND**
- CITY LIMITS 5-6-08
 - CATSO METRO BOUNDARY
 - FEMA FLOODPLAINS
 - PRIVATE PARK LANDS
 - CITY PARKS
 - OTHER CITY LANDS, SCHOOLS
 - OTHER GOVERNMENT LANDS
 - LAKES
 - CREEKS
 - STREETS
 - EXISTING TRAILS
 - PROPOSED TRAILS-PRIMARY
 - PROPOSED TRAILS-SECONDARY
 - PROPOSED TRAILS-TERTIARY
 - OTHER TRAILS & PEDWAYS
 - SCHOOLS





Site Analysis

- Flora and Fauna
- Topography



Steep Slopes,
Native Vegetation
and Wildlife Habitat
along Gans Creek

A wide, rolling field of dry, golden-brown grass under a clear blue sky. The field is mostly flat with a slight rise in the distance. A line of trees is visible on the horizon. The text "Both Sites are Predominately Gentle Rolling Pasture." is overlaid in white on the lower part of the image.

Both Sites are
Predominately Gentle
Rolling Pasture.



Philips Lake West Side

Philips South Side





Future home of the
**Regional Catholic
High School**
please visit www.faithfulfuture.org



Gans Northwest Fields



Gans North Buildings



Adjacent to
Gans Road



Gans Lake





North of Gans Creek



Wooded Area North
of Gans Creek

Gans Creek



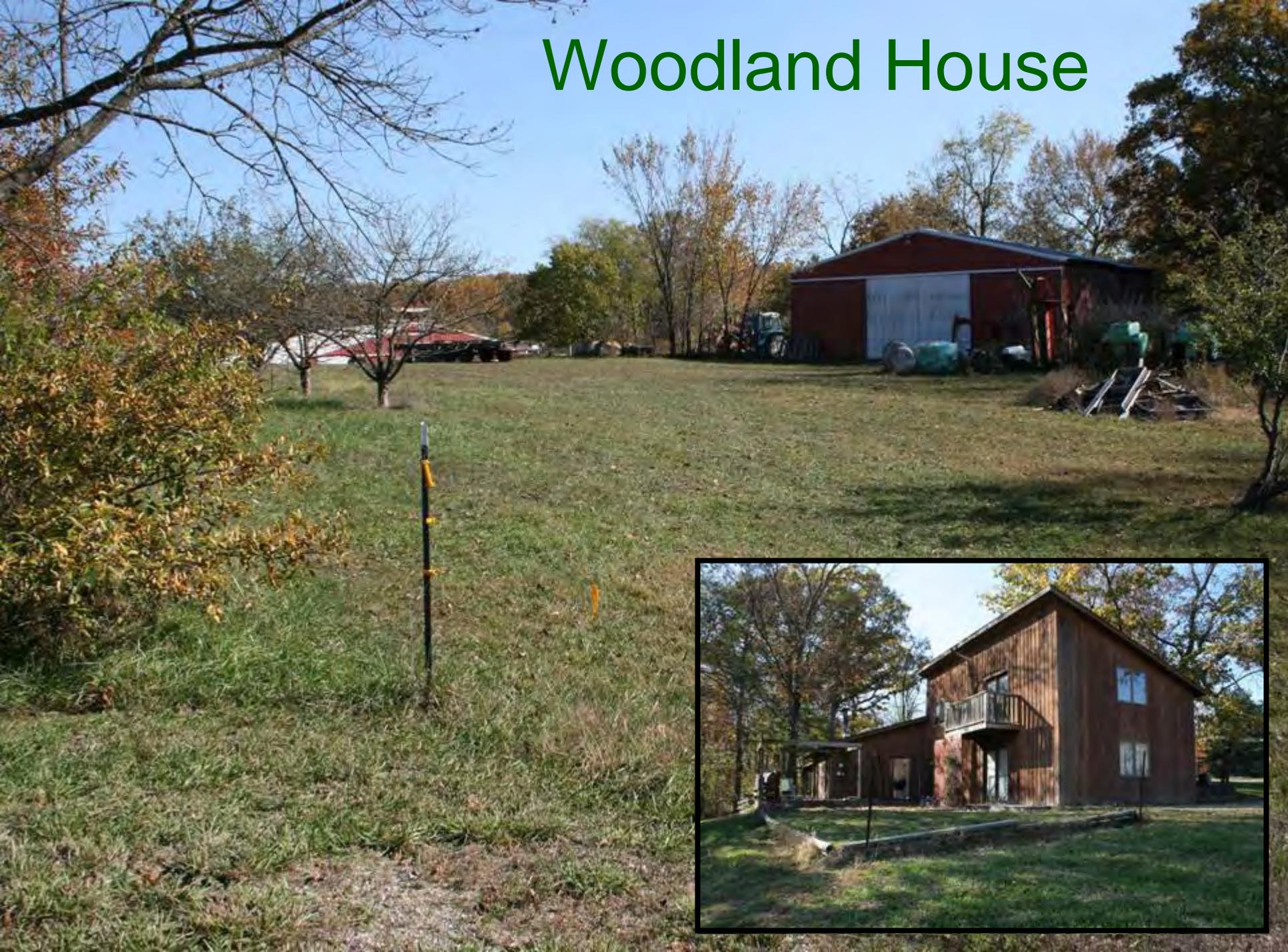


Gans Creek

Bluff Top Buildings



Woodland House



South Fields



Crane Property Biological Inventory Route

MO DNR Natural Resources Inventory

- Crane Property Biological Survey Route
- Rock Bridge Border

Cliff/Talus Communities
Shelter Cave (Vultures)

Bottomland Forest

Limestone Glade

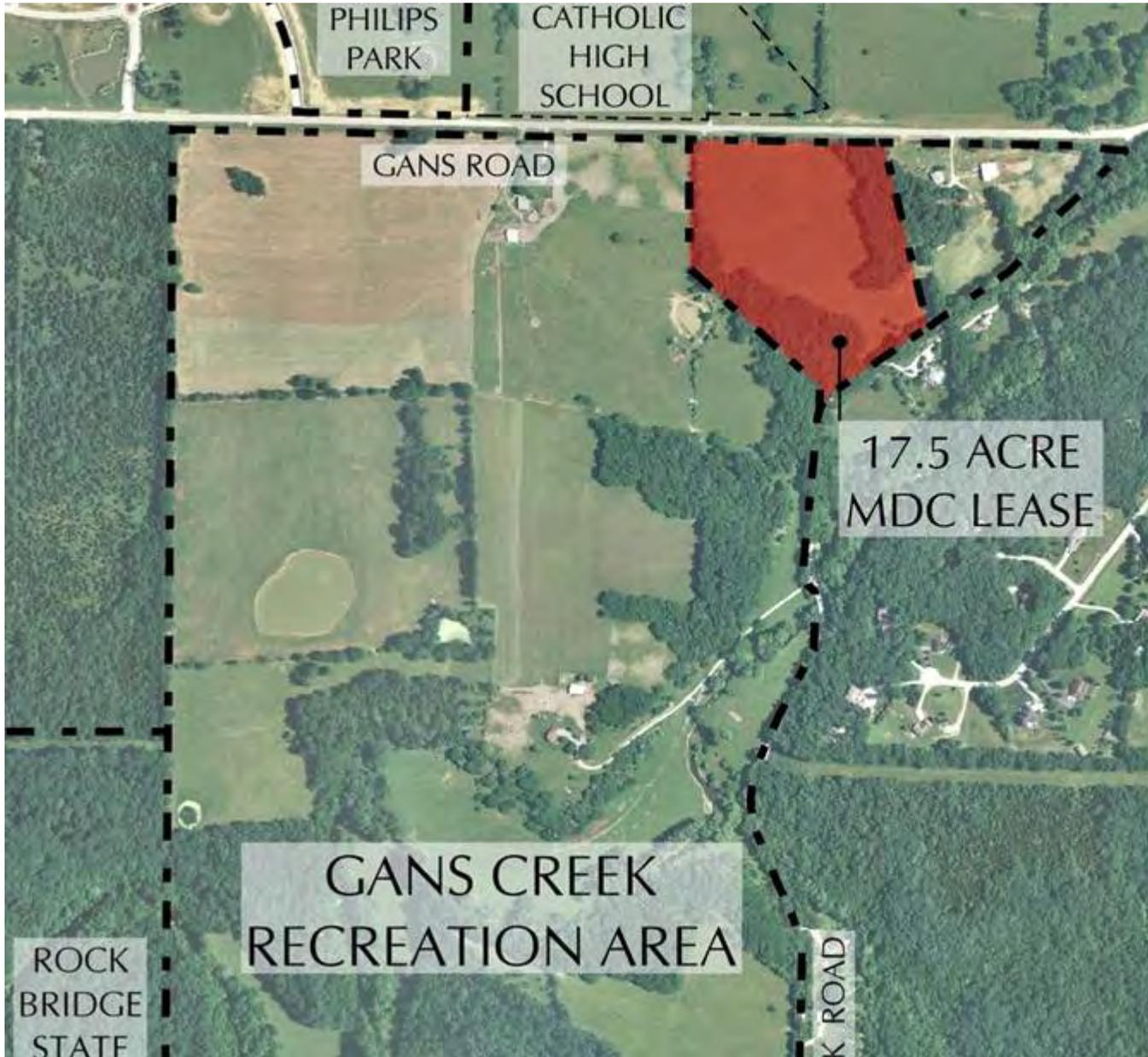
Dry Limestone/Colomite Woodland
Limestone Cliff
Talus

Great Blue Heron Rookery

Natural Feature



MDC Leased Land



Gans Creek
Recreation
Area
with MDC
Lease Area





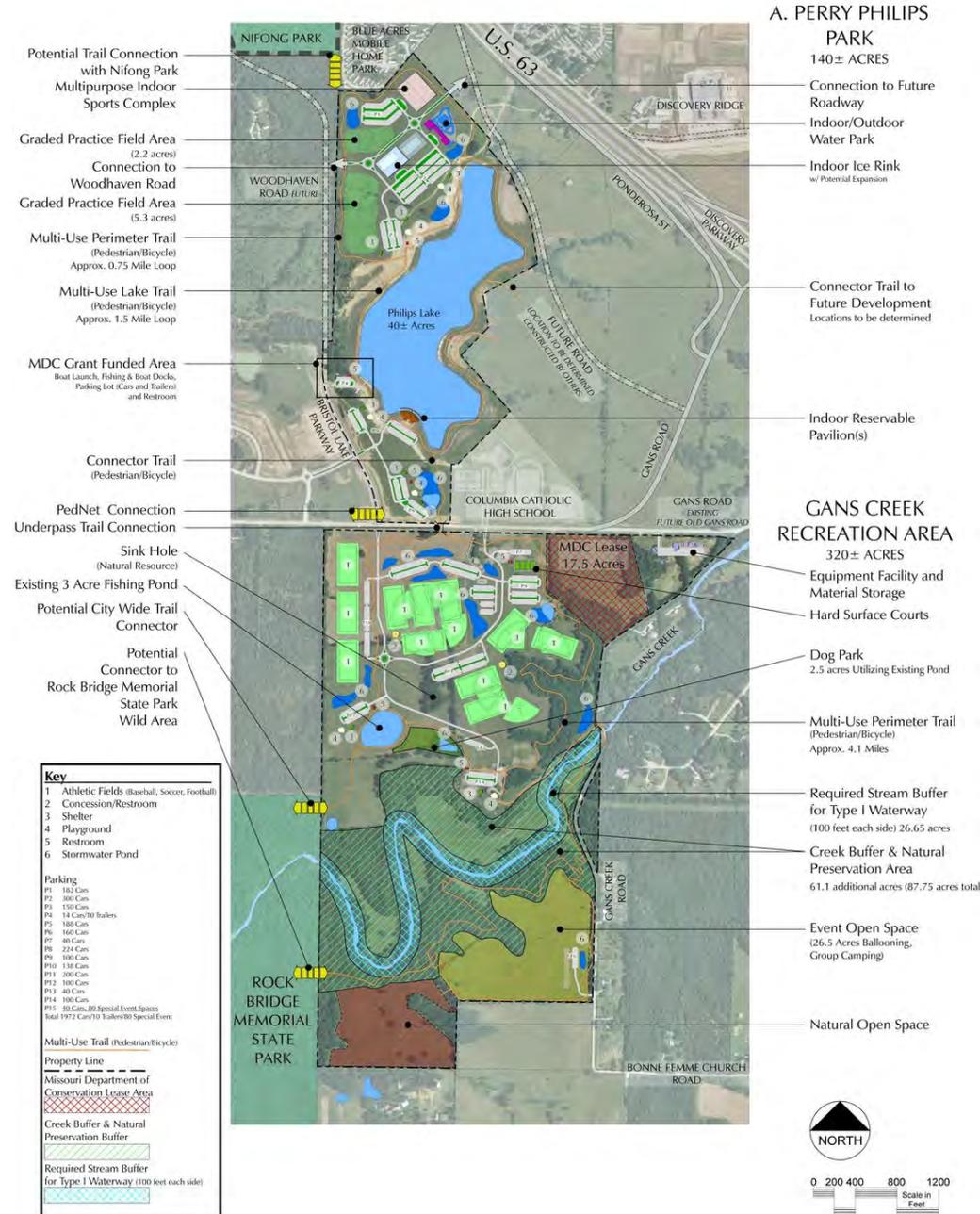
Regional Park Planning Process

- November 8, 2007 - Public Meeting, ARC
- November 12, 2007 - Public Meeting, Rock Bridge High School
- Focus Group or Special Interest Group Meetings ARC
 - December 11, 2007
 - January 14, 2008
- Web Survey
 - November 2007 thru January 2008
- Two draft master plan options prepared
 - Presented at 2 meetings: 12/10/08 and 01/07/09
 - Public Comment Survey conducted from Dec 2008 to January 31, 2009
- One draft master plan prepared
 - Presented at 2 meetings: 09/15/09 and 09/23/09
 - Public Comment Survey conducted from 09/15/09 to 10/01/09
- **Master Plan prepared for City Commissions and Council Approval**

2010 Southeast Regional Park Master Plan

A. Perry Philips Park & Gans Creek Recreation Area

2010 Southeast Regional Park Master Plan





Highlights of Proposed Plan

A. Perry Philips Park

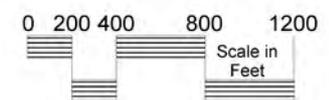
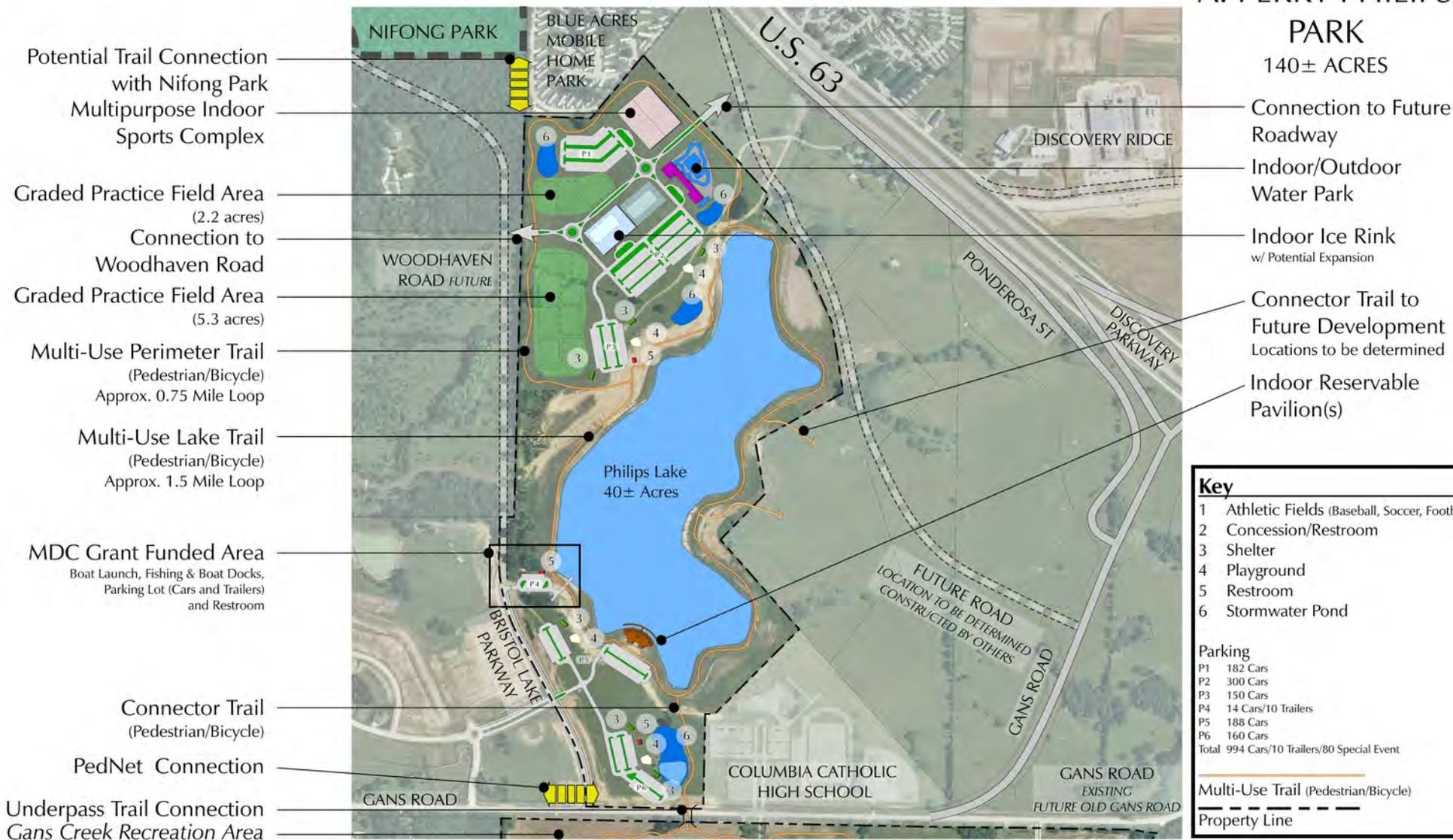
- Fishing Amenities (docks, boat ramp, parking, restroom)
- Trails
 - Nature and Fitness Trails
 - Connectivity to others
- Standard Park Amenities (shelters, playgrounds, restrooms, etc.)
- Indoor facilities
 - Ice Rink, Sports Center, Aquatics
- Graded Practice Areas
- Indoor Pavilion
- Outdoor Aquatic Facility

2010 Southeast Regional Park Master Plan

A. Perry Philips Park

A. PERRY PHILIPS PARK

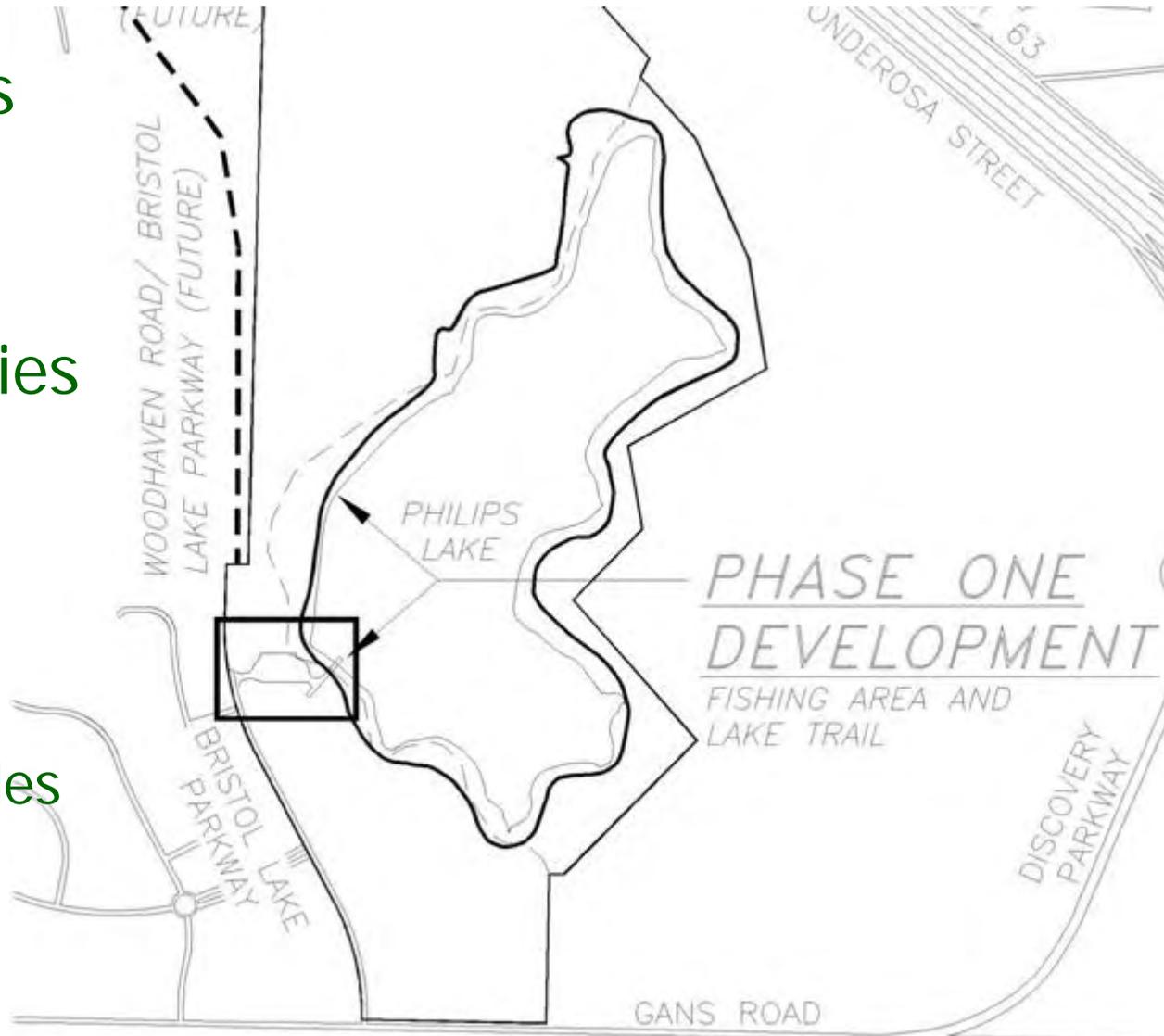
140± ACRES



Philips Lake Phase I Development

City has \$407,500 in Park Sales Tax funds and a MDC Grant for Phase I development of Philips Lake Park.

- Fishing Facilities
- Lake Perimeter Trail
- Support Amenities
 - Parking
 - Restroom
 - Walkways
 - Detention basins/Bio-swales



MDC Grant Area

Bio-Retention Area

Restroom

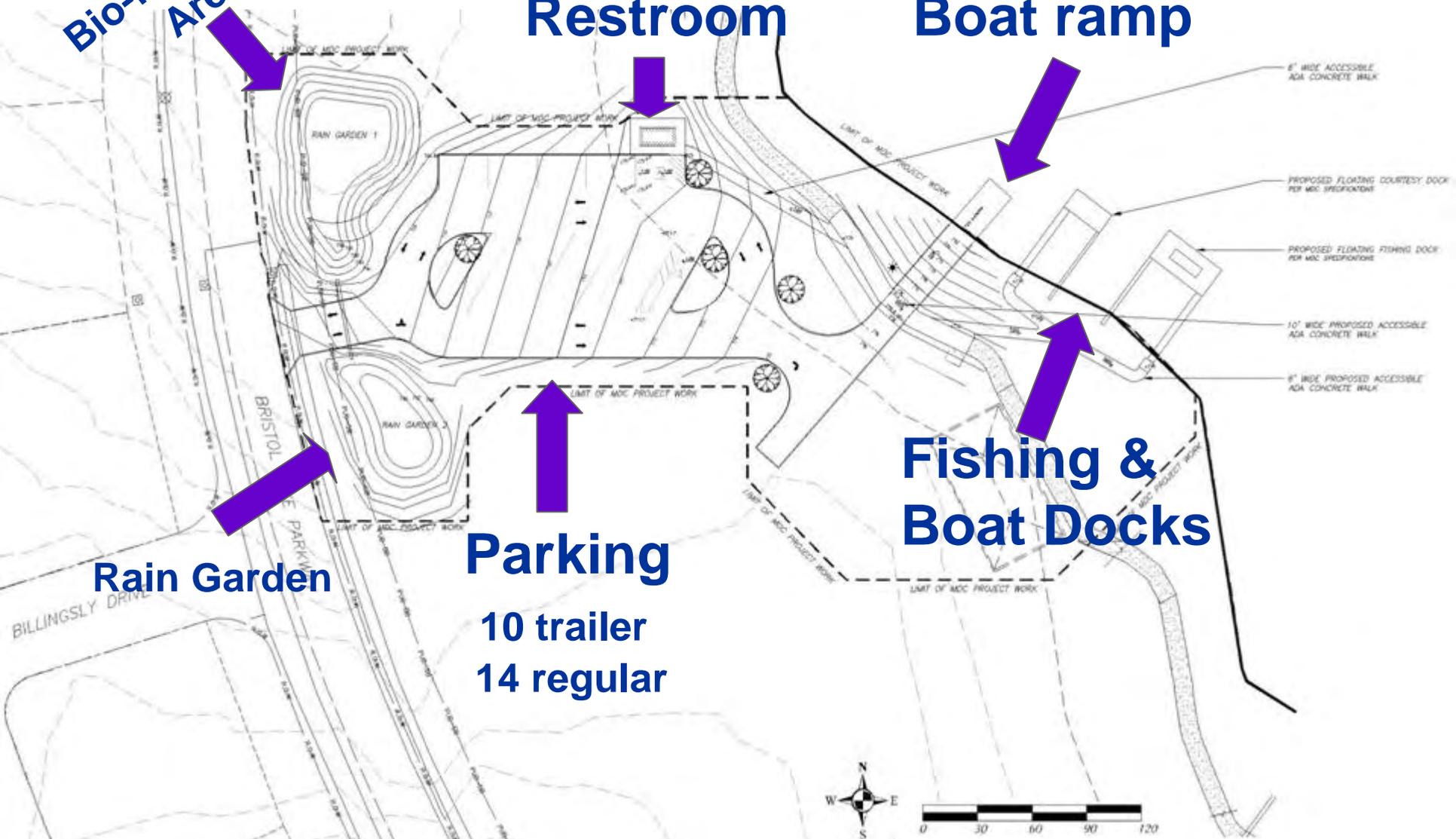
Boat ramp

Fishing & Boat Docks

Rain Garden

Parking

**10 trailer
14 regular**



MDC Grant Area Amenities



Philips Lake Perimeter Trail



**Trail
substantially
completed**





Trail: Natural



Trails: Multi-Use





- Trails could also be simple mowed paths.
RBSP High Ridge Trail



Park Amenities



Indoor Shelter





**Sample P&R Outdoor
Aquatic Facilities**

Ice Rink





Indoor Athletic Facilities



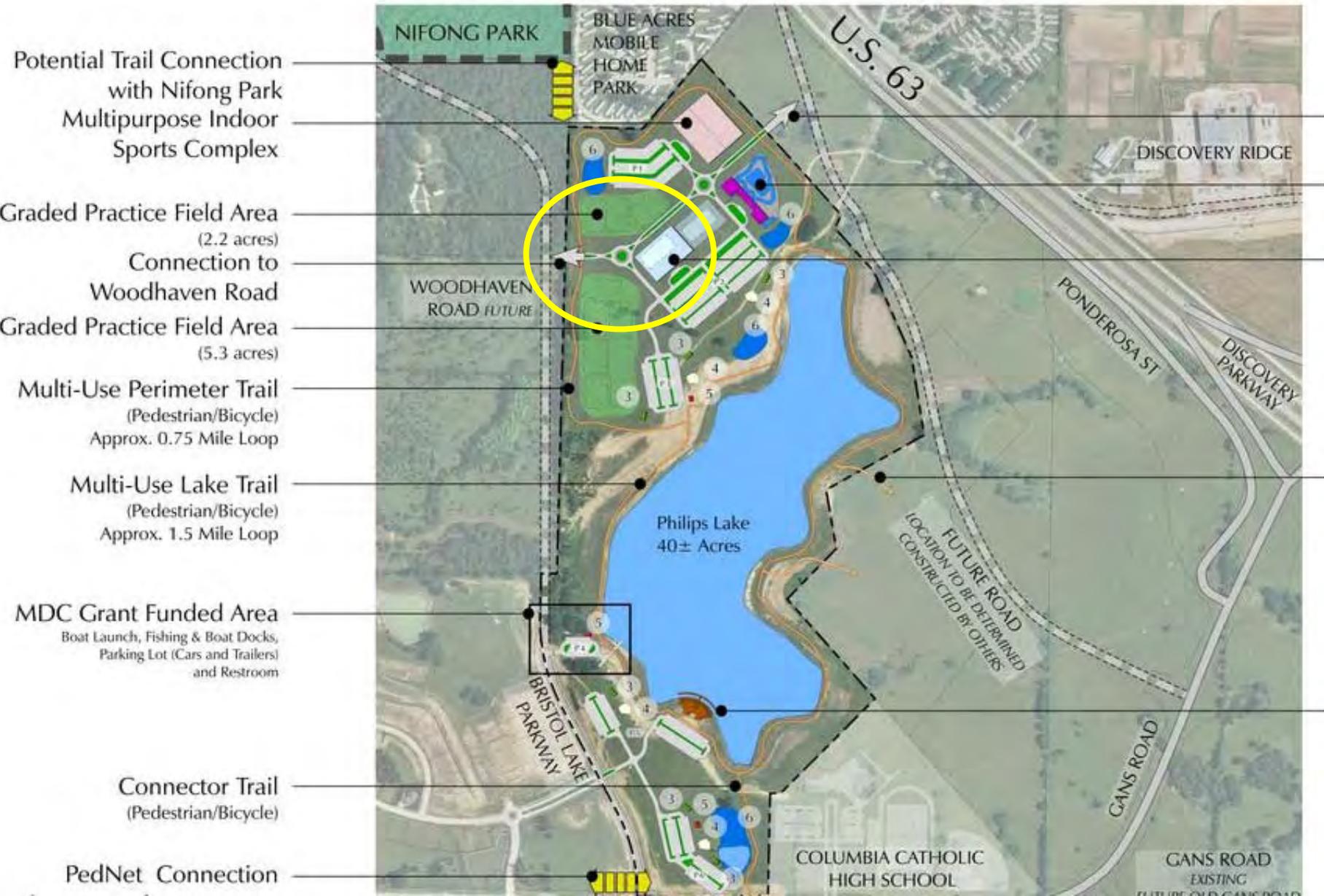
Graded Practice Field Area (7.5 acres)

- Area that may be used for athletic practices (soccer, football, lacrosse, etc.) or used for special tournaments (soccer, football, rugby, ultimate frisbee, etc.)



2010 Modifications to Philips Plan

Added Connection to Woodhaven Road



Potential Trail Connection with Nifong Park
 Multipurpose Indoor Sports Complex

Graded Practice Field Area (2.2 acres)
 Connection to Woodhaven Road

Graded Practice Field Area (5.3 acres)

Multi-Use Perimeter Trail (Pedestrian/Bicycle)
 Approx. 0.75 Mile Loop

Multi-Use Lake Trail (Pedestrian/Bicycle)
 Approx. 1.5 Mile Loop

MDC Grant Funded Area
 Boat Launch, Fishing & Boat Docks, Parking Lot (Cars and Trailers) and Restroom

Connector Trail (Pedestrian/Bicycle)

PedNet Connection





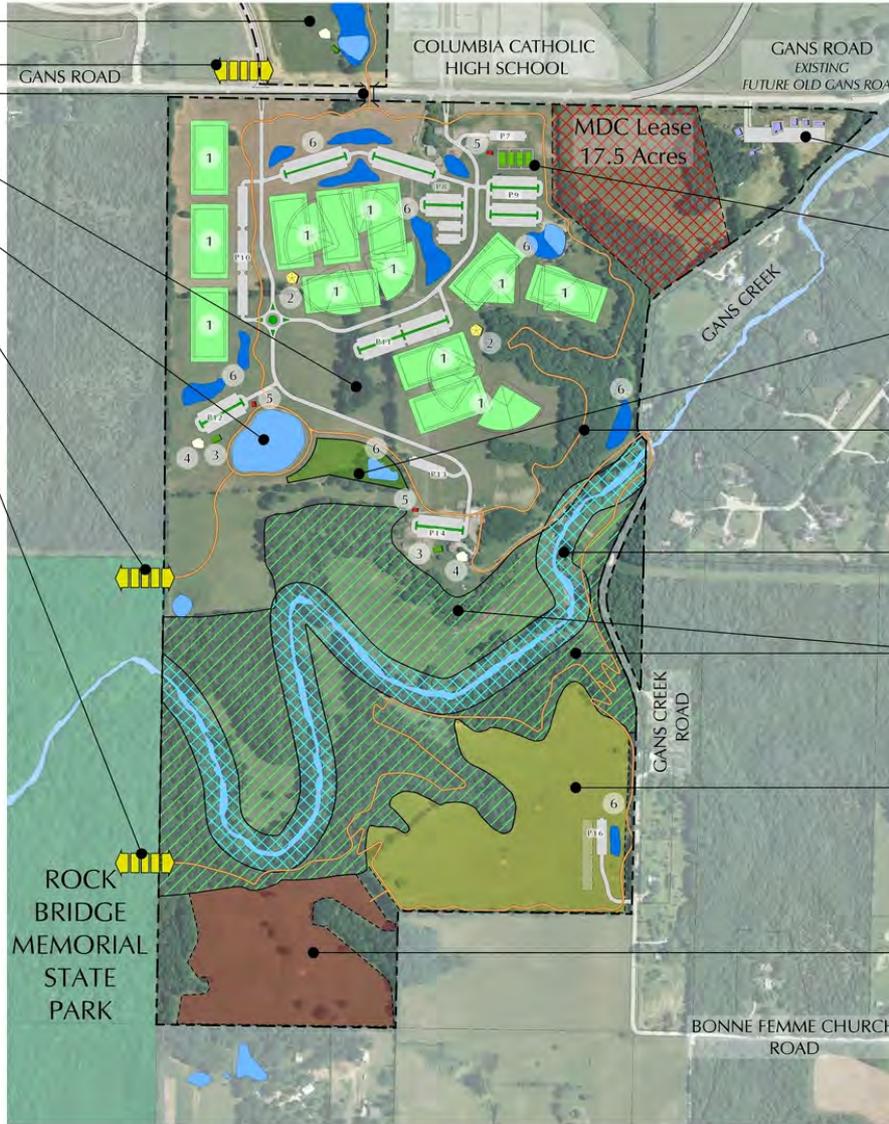
Highlights of Proposed Plan Gans Creek Recreation Area

- Trails
 - Nature and Fitness Trails
 - Connectivity to others
- Standard Park Amenities (shelters, playgrounds, restrooms, appropriate parking, etc.)
- Hard surface courts
- Outdoor Game/Tournament Athletic Fields (flexible on type)
- Natural Preservation/Creek Buffer
- Dog Park
- Event Open Space (balloons, group camping, etc)

2010 Southeast Regional Park Master Plan

Gans Creek Recreation Area

- A. Perry Philips Park
- PedNet Connection
- Underpass Trail Connection
- Sink Hole (Natural Resource)
- Existing 3 Acre Fishing Pond
- Potential City Wide Trail Connector
- Potential Connector to Rock Bridge Memorial State Park Wild Area



GANS CREEK RECREATION AREA

- 320± ACRES
- Equipment Facility and Material Storage
- Hard Surface Courts
- Dog Park
2.5 acres Utilizing Existing Pond
- Multi-Use Perimeter Trail (Pedestrian/Bicycle)
Approx. 4.1 Miles
- Required Stream Buffer for Type I Waterway (100 feet each side) 26.65 acres
- Creek Buffer & Natural Preservation Area
61.1 additional acres (87.75 acres total)
- Event Open Space (26.5 Acres Ballooning, Group Camping)
- Natural Open Space

Key

- 1 Athletic Fields (Baseball, Soccer, Football)
- 2 Concession/Restroom
- 3 Shelter
- 4 Playground
- 5 Restroom
- 6 Stormwater Pond

Parking

- P7 40 Cars
- P8 224 Cars
- P9 100 Cars
- P10 138 Cars
- P11 200 Cars
- P12 100 Cars
- P13 40 Cars
- P14 100 Cars
- P15 40 Cars, 80 Special Event Spaces
- Total 982 Cars/80 Special Event

Multi-Use Trail (Pedestrian/Bicycle)

Property Line

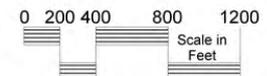
Missouri Department of Conservation Lease Area



Creek Buffer & Natural Preservation Buffer



Required Stream Buffer for Type I Waterway (100 feet each side)





Hard Surface Courts



Basketball



Tennis



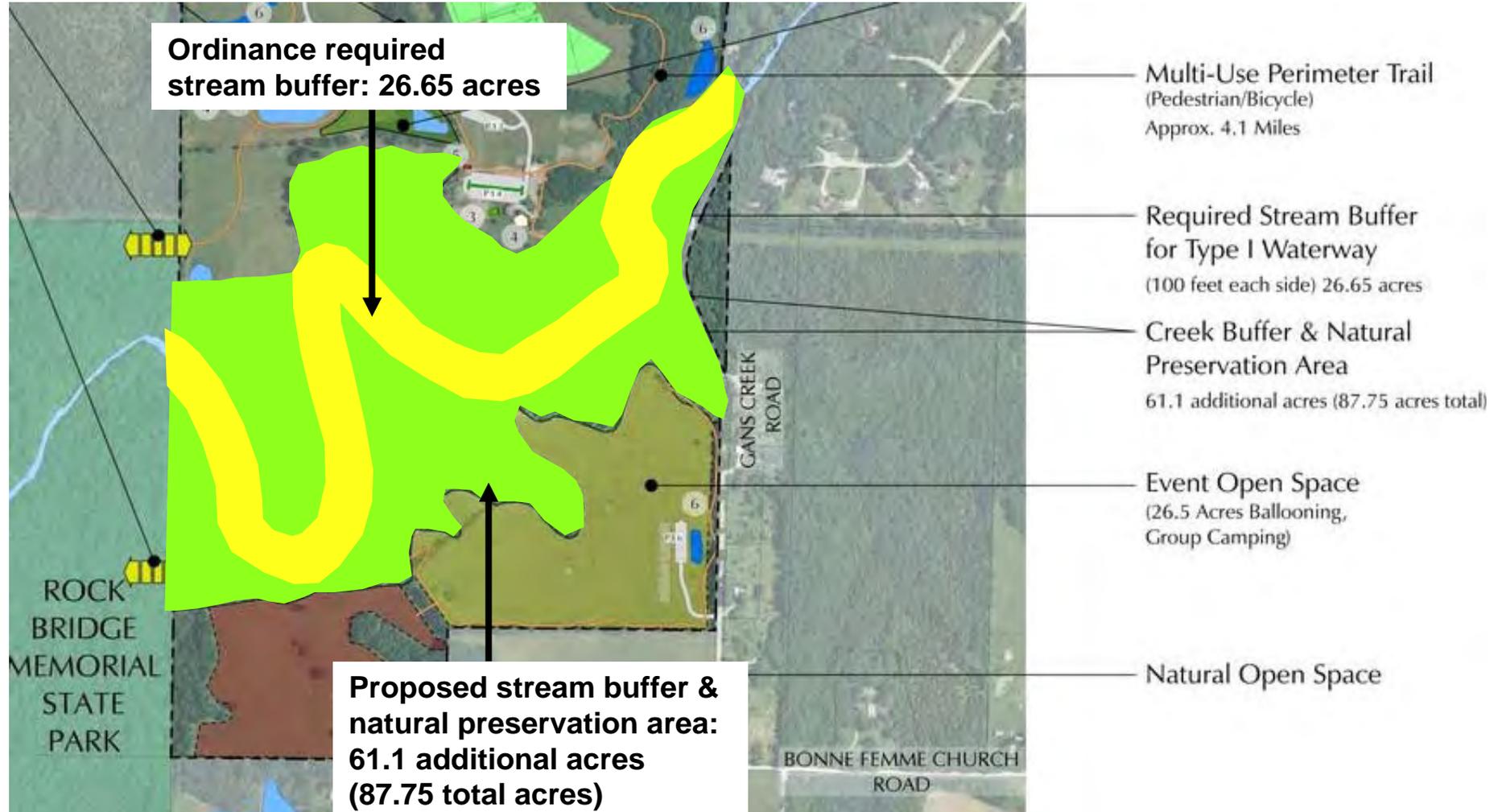


Outdoor Sports Fields

Designed for flexibility to meet future demand



Natural Preservation Areas





Natural Preservation Areas

Dog Park 2.5 acres



Open Space for Practice Fields, Special Events or Group Camping





Modifications to Gans Creek Recreation Area

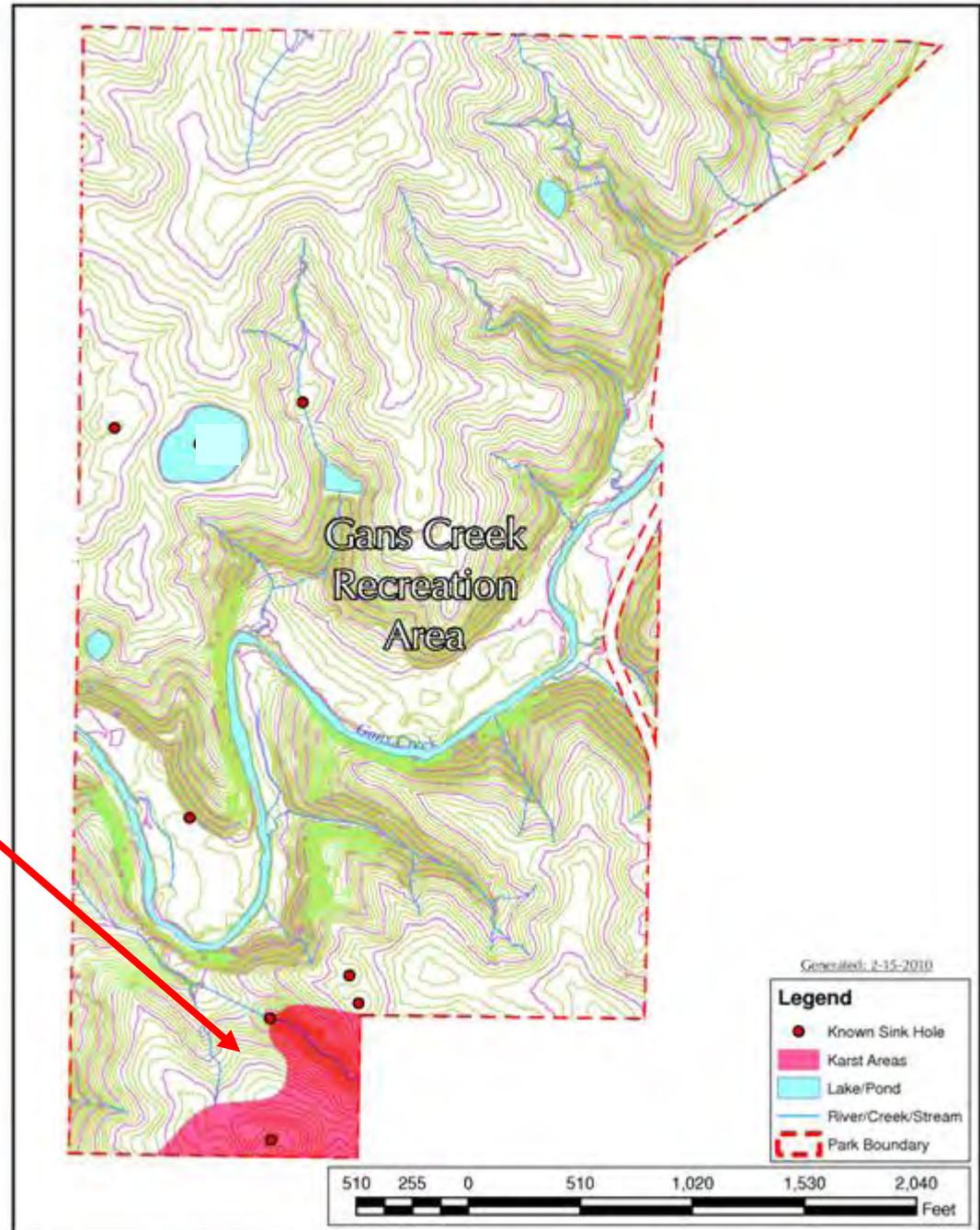
- A draft proposed master plan was introduced to public via two public meetings on 09/15/09 & 09/23/09 as well as by accepting comments through a web based survey.
- Plan was well received by the public with the exception of the proposed 17 acre equestrian area.
- Public comments were about evenly split between those that supported the equestrian areas and those that were against.
- Many of the comments that supported equestrian use, also expressed a desire for more than the proposed 17 acre site.
- Missouri Division of State Parks and the staff at Rock Bridge State Park had no official comment regarding the addition of equestrian facilities at Gans Creek Recreation Area.
- Comments were related to the karst topography of the site.

Gans Creek – Karst Topography

- Concerns about equestrian use related to the karst topography and sinkholes.
- Proposed equestrian area is located within designated karst area.
- Detailed mapping of existing sinkholes has not been completed, however research has confirmed the existence of multiple sites.



Gans Creek Recreation Area Known Karst Areas (shown in red)



Map source: City of Columbia Natural Resource Inventory (10/13/2009)



Concerns with Equestrian Use & Karst Topo

- Best management practices (BMPs) exist to help protect the environment from storm water runoff from parking lots, buildings, athletic fields & other traditional recreation amenities.
- Protection of water that is enriched with waste from horses is more difficult to manage due to the wide open and dispersed nature of the activity.
- Horseback riding in an area that has sinkholes poses potential risks to horses and riders as tall grass obscures shallow sinkholes and new depressions or holes can develop overnight. Very difficult to keep sinkholes identified.



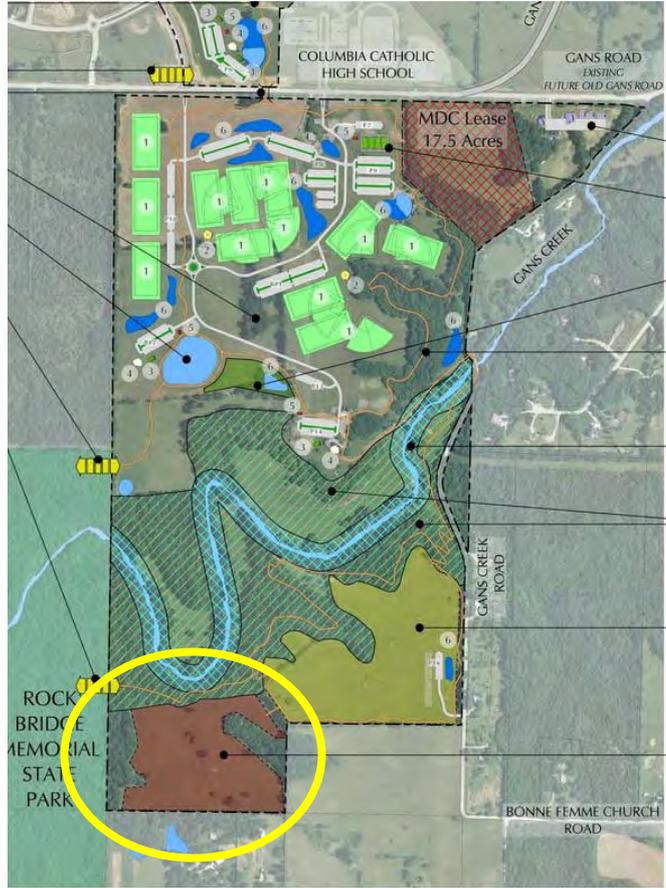
Concerns with Equestrian Use & Karst Topography

- Rains can carry horse waste short distances overland to such sinkholes and down through cracks in the limestone.
 - Water enriched with waste may enter caves and springs and can result in high nutrient levels that are known to cause algae growth and low oxygen levels which can cause harm to sensitive aquatic animals and increase bacteria levels.
- The springs and drainages on the Gans Creek property input water into the Gans Creek which flows into Rock Bridge State Park (only home of the endangered pink planarian).
- In addition to the potential for adverse impacts to the water, horse droppings can also introduce invasive and/or exotic species into an area.
- Horses crossing a stream can cause bank erosion introducing unwanted soil sediments into the stream.

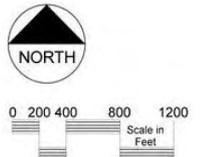


2010 Modification to GCRA Elimination of Equestrian Area

- Ultimately, park planning staff felt that equestrian use at Gans Creek Recreation Area presents more concerns and risks than potential benefits and is not included in the plan.
- Area is now designated as a "natural/open space" area.



- GANS CREEK RECREATION AREA**
320± ACRES
- Equipment Facility and Material Storage
- Hard Surface Courts
- Dog Park
2.5 acres Utilizing Existing Pond
- Multi-Use Perimeter Trail (Pedestrian/Bicycle)
Approx. 4.1 Miles
- Required Stream Buffer for Type I Waterway
(100 feet each side) 26.65 acres
- Creek Buffer & Natural Preservation Area
61.1 additional acres (87.75 acres total)
- Event Open Space
(26.5 Acres Ballooning, Group Camping)
- Natural Open Space





Completing the Master Plan

- Master Plan report submitted to Council on Feb 1, 2010.
- Council forwarded master plan to the P&Z and P&R Commissions for their comment and recommendation.
 - Commissions may recommend plan as proposed or recommend modifications.
- After commission recommendations, Council will schedule a public hearing and approve final plan as proposed by staff/commissions or with modifications of their own.



How will the park be developed?

- Presently, the dept has \$407,500 in Park Sales Tax funds and a MDC Grant for Phase I development of Philips Lake Park.
- There are no other funds available for further development.
- One goal of the master plan is to provide a priority list of projects for future funding opportunities.
- The 2005 Park Sales Tax expires March 31, 2011 and presently those funds are committed to other projects.
- The renewal or extension of the Park Sales Tax provides the next best opportunity for regional park development funding.
- Council will have final decision on when and what projects are funded with the Park Sales Tax.

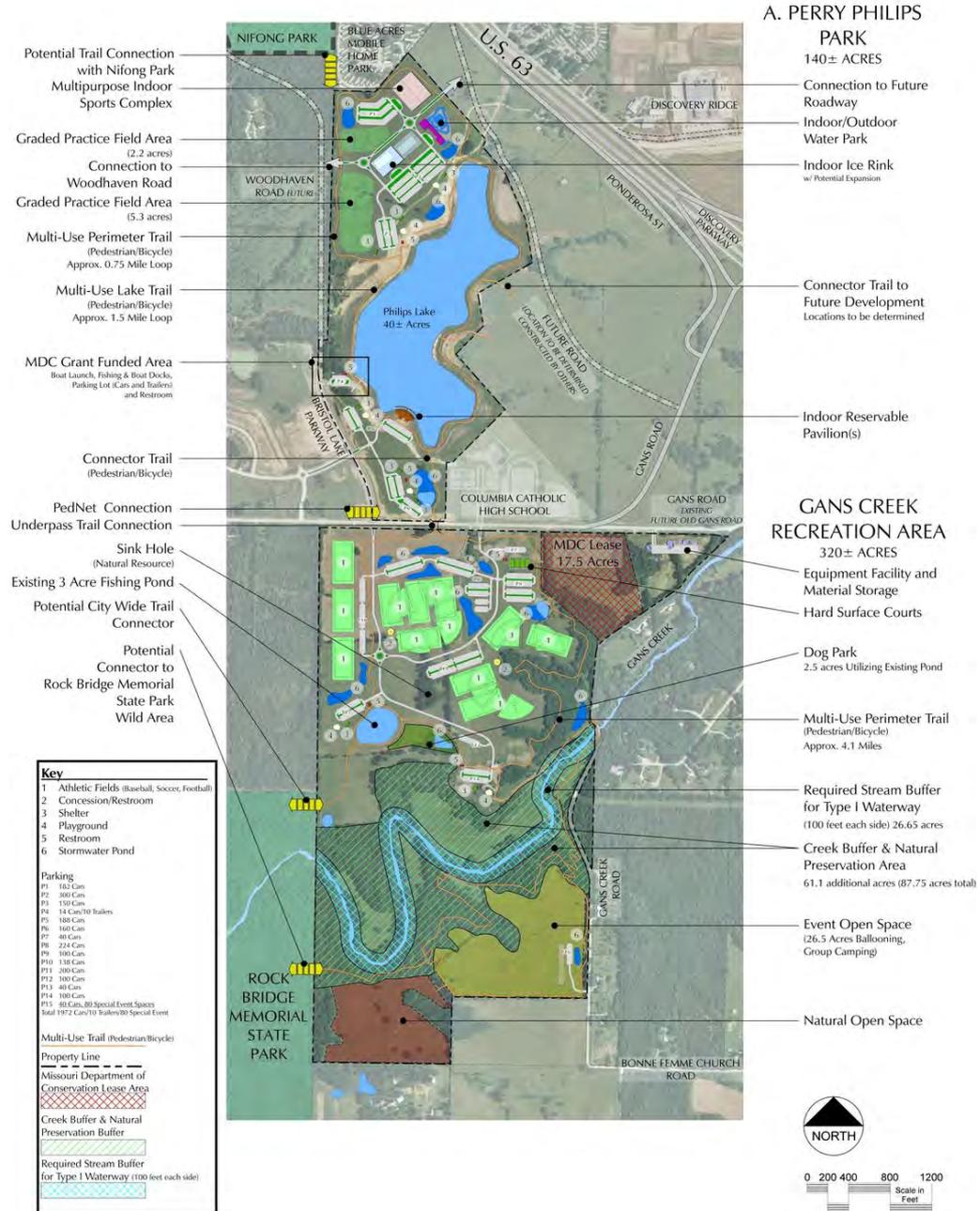


Concludes Staff Presentation

- Staff available for questions from Commissioners.
- Commission Public Hearing
 - Speakers state their name and address
 - Sign in either before or after speaking
 - Limit comments to 3 minutes
 - Please express new ideas and try not to repeat what others have already stated

2010 Southeast Regional Park Master Plan

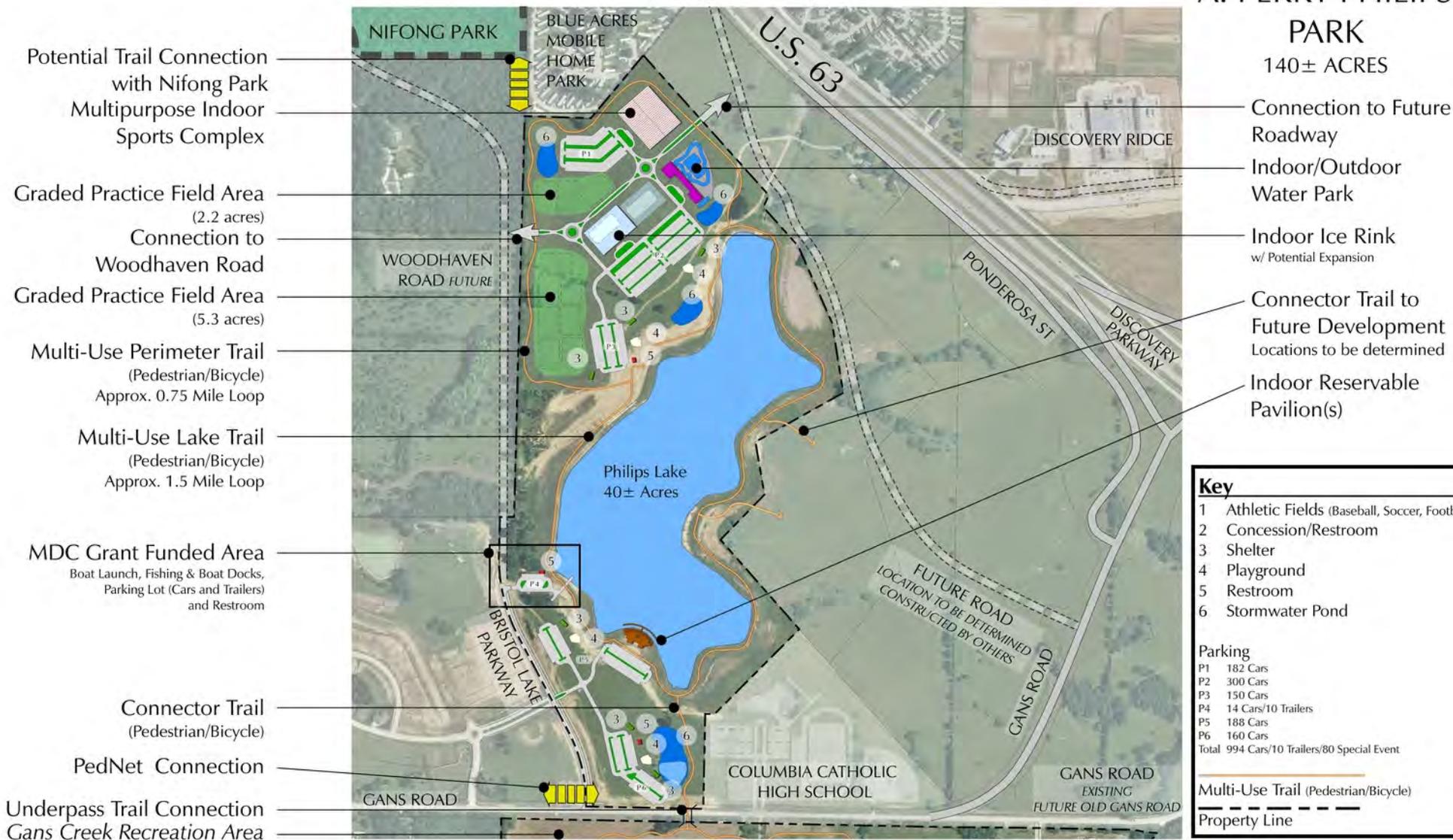
A. Perry Philips Park & Gans Creek Recreation Area



2010 Southeast Regional Park Master Plan

A. Perry Philips Park

A. PERRY PHILIPS PARK 140± ACRES



Potential Trail Connection with Nifong Park
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Underpass Trail Connection Gans Creek Recreation Area

Connection to Future Roadway

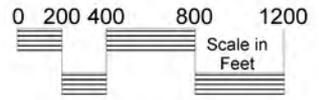
Indoor/Outdoor Water Park

Indoor Ice Rink w/ Potential Expansion

Connector Trail to Future Development Locations to be determined

Indoor Reservable Pavilion(s)

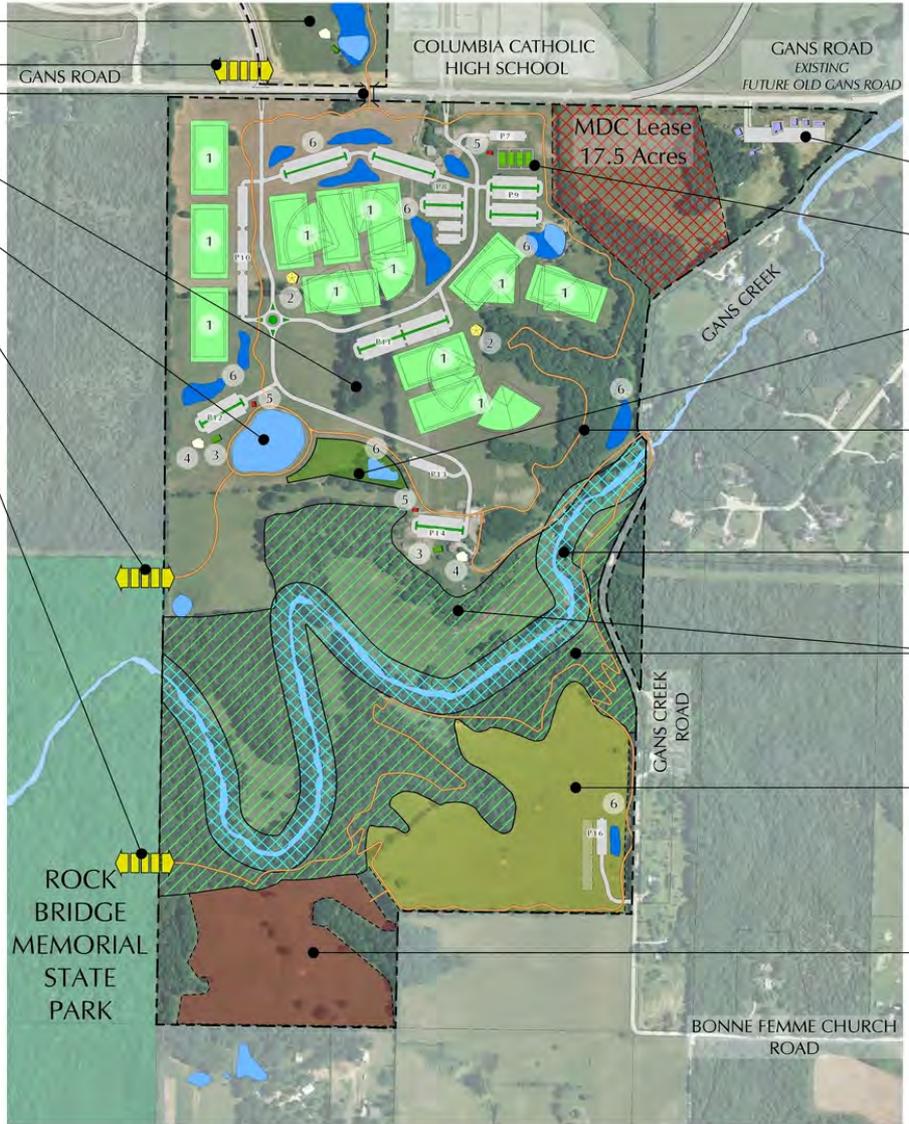
Key	
1	Athletic Fields (Baseball, Soccer, Football)
2	Concession/Restroom
3	Shelter
4	Playground
5	Restroom
6	Stormwater Pond
Parking	
P1	182 Cars
P2	300 Cars
P3	150 Cars
P4	14 Cars/10 Trailers
P5	188 Cars
P6	160 Cars
Total 994 Cars/10 Trailers/80 Special Event	
Multi-Use Trail (Pedestrian/Bicycle)	
Property Line	



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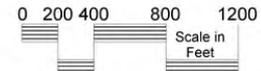
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Missouri Department of Conservation Lease Area

Creek Buffer & Natural Preservation Buffer

Required Stream Buffer for Type I Waterway (100 feet each side)





Following Public Hearing

- Commissioners may choose to:
 - Recommend approval of plan as proposed to City Council;
 - Recommend approval of plan with Commission changes to City Council;
 - Take plan and comments under advisement and make recommendation at future meeting.