WILDWOOD

CITY COUNCIL WORK SESSION

COUNCIL CHAMBERS

MONDAY, JUNE 27, 2016

6:00 to 7:20 P.M.

WORK SESSION AGENDA

I. **CALL TO ORDER**

II. **ROLL CALL**

III. **MAYOR'S COMMENTS AND ANNOUNCEMENTS**

A. Ellisville Superfund Site (Wards Two And Four)

Documents: WS - ELLISVILLE SUPERFUND SITE.PDF

1. Scheduled Meeting With EPA Representatives

2. Contract With Mundell & Associates

3. EPA's Correction Of Its June 6, 2016 Letter

4. Proposed Missouri Senate Concurrent Resolution

B. Proposed Ad-Hoc Committee For The Selection Of A State Lobbyist (Wards – All)

Documents: 2016-17 APPOINTING SPECIAL COMMITTEE TO SELECT LOBBYIST.PDF

IV. **FOR INFORMATION**

A. Planning/Economic Development/Parks Committee

1. Ongoing And Long-Term Maintenance Costs For Parks And Trail Facilities (Wards – All)

Documents: WS - ONGOING AND LONG-TERM MAINTENANCE COSTS FOR PARKS AND TRAILS FACILITIES.PDF

2. Parks And Recreation Facilities/Event Reservation And Registration Update (Wards – All)

Documents: WS - PARKS AND RECREATION EVENT RESERVATION AND REGISTRATION UPDATE.PDF

V. FOR ACTION

A. Administration/Public Works Committee

1. Purchase Of Accounting Software (Wards – All)

Documents: 2196 ACCOUNTING SOFTWARE UPGRADE.PDF

B. Planning/Economic Development/Parks Committee

1. Community Park – Phase 3 (Ward One)

Documents: WS - COMMUNITY PARK PHASE 3.PDF

C. Rural Internet Access Committee

1. St. Louis County Agreement And Expanded Service Opportunities (Wards – All)

Documents: WS - RURAL INTERNET ACCESS UPDATE.PDF

VI. OTHER

VII. ADJOURNMENT

City Council will consider and act upon the matters listed above, and such others as may be presented at the meeting and determined to be appropriate for discussion at that time.
Notice is hereby given that the City Council may also hold a closed meeting for the purpose of dealing with matters relating to one or more of the following: Legal Actions, Causes of Action, Litigation or Privileged Communications Between the City's Representatives and its Attorneys [RSMO 610.021(1) 1994]; Lease, Purchase or Sale of Real Estate [RSMO 610.021 (2) 1994]; hiring, firing, disciplining or promoting employees by a public governmental body [RSMO 610.021 (3) 1994]; bidding specification [RSMO 610.021 (11) 1994]; sealed bids and related documents, until the bids are opened' and sealed proposals and related documents or any documents related to a negotiated contract until a contract is executed, or all proposals are rejected [RSMO 610.021 (12) 1994]; and/or individually identifiable personnel records, performance ratings or records pertaining to employees or applicants for employment [RSMO 610.021 (13) 1994];

WILDWOOD®

MEMORANDUM

To: City Council Members

From: James R. Bowlin, Mayor
Ryan S. Thomas, City Administrator

Date: June 24, 2016

Re: Ellisville Superfund Site – Status Update

Following the discussion that occurred at the June 13, 2016 City Council Work Session, a number of actions have been undertaken in an effort to advance the City's objectives in addressing the public health concerns at the Ellisville Superfund Site:

Meeting with EPA Representatives

A meeting has been confirmed for Thursday, July 21, 2016 with the following EPA Representatives:

- Mark Hauge, EPA Region 7 Administrator
- Mary Peterson, Superfund Division Director
- Dave Williams, Chief - Planning and Preparedness North Section, Superfund Division
- Shawn Grindstaff, Site Attorney
- LaTonya Sanders, Congressional Liaison

As discussed previously, Mayor Bowlin, City Administrator Thomas and City Attorney Young will represent the City at this meeting, from which we will report back to the City Council at its July 25, 2016 Work Session.

Contract with Mundell & Associates

Mundell & Associates had been the City's primary consultant in advance of both the Callahan and Strecker Forest Removal Actions, and were directly responsible for identifying specific concerns on both properties, which ultimately led to EPA moving forward with both Removal Actions. As discussions continue with EPA Representatives and our Congressional Leaders, it is suggested that Mundell & Associates be re-engaged to provide support to the City, as Dr. Peter DeFur of Environmental Stewardship Concepts is unavailable on the date of the EPA Meeting, and Mundell & Associates has had some very direct involvement in the past. We have arranged for an initial conference call with John Mundell for next Wednesday, June 29, 2016, to commence discussion of a scope of work to include a review of more recent documents from EPA, the development of technical conclusions following this review, and preparation for and participation in the meeting with EPA Representatives.

EPA's Correction of its June 6, 2016 Letter

Dave Williams from EPA has acknowledged that he made an error in his June 6, 2016 letter, by referencing a 2012 Site Reassessment Report that was issued prior to the Callahan Removal Action, where he should have made reference to a 2013 Report that was issued after the Callahan Removal Action. We have suggested that he notify all the recipients of the June 6, 2016 letter in the same way (by letter), advising that the June 6, 2016 letter erroneously referenced the wrong report, and that Wildwood officials brought it to the EPA's attention. Upon receipt of this correction, all recent correspondence will also be posted to the City website.

Proposed Missouri Senate Concurrent Resolution

Senator Dave Schatz's Office has prepared the attached Senate Concurrent Resolution, which will be presented during the 2017 Legislative Session for passage in both the Missouri Senate and House, strongly urging the Environmental Protection Agency to remediate the Strecker Forest development site and other areas of the Ellisville Superfund Site to the Environmental Protection Agency's recommended residential standard rather than the recommended recreational standard to ensure that citizens do not continue to face potentially serious threats to public health.

We will be available for any questions or comments at the June 27, 2016 City Council Work Session.

RST

MISSOURI SENATE

DIVISION OF RESEARCH

State Capitol, Room B-9, Jefferson City, MO 65101
TEL. (573) 522-7910 FAX (573) 751-4778

H:\17SCR\17RS00101M.01I

TO: Senator Schatz

FROM: Kayla Hahn, Research Analyst

DATE: June 21, 2016

RE: SCR - Ellisville Superfund Site

As requested, please find attached a Senate concurrent resolution relating to the Ellisville Superfund Site.

Summary

This concurrent resolution strongly urges the Environmental Protection Agency to remediate the Strecker Forest development site and other areas of the Ellisville Superfund Site to the recommended residential standard rather than the recommended recreational standard to ensure that citizens do not continue to face potentially serious threats to public health.

SENATE CONCURRENT RESOLUTION NO. _____

Whereas, during the 1960s and 1970s, the Bliss Waste Oil Company transported and disposed of waste oil products, industrial wastes, and chemical wastes including solvents, oils, sludges, pesticides, flammable gelatinous materials, and dioxin-contaminated waste oil; and

Whereas, the Bliss Waste Oil Company disposed of these wastes in pits and drums; and

Whereas, site investigators discovered such wastes not only in Ellisville, Missouri, but also on three additional sites including at an 11-acre Bliss property, an 8-acre Callahan property, and an 85-acre Rosalie property which are located in west St. Louis County within the corporate boundaries of the present day City of Wildwood with a portion of the Bliss property extending into Ellisville; and

Whereas, such properties are situated within a one-mile stretch along the watershed of Caulks Creek, a tributary of Bonhomme Creek; and

Whereas, after a preliminary investigation by the Missouri Department of Natural Resources and the Metropolitan Sewer District, such waste levels indicated a potentially serious threat to public health and the environment;

Whereas, due to such soil contamination, the Environmental Protection Agency placed the Ellisville site, including the Bliss, Rosalie, and Callahan properties, on the Superfund program's National Priorities List in 1983;

Whereas, after being place on the National Priorities List, cleanup workers removed and disposed of contaminated soil and drums, and then backfilled, capped, and reseeded the excavated areas to control erosion; and

Whereas, the Environmental Protection contends that current human exposures at this site are under control, and that such site's groundwater is not contaminated; and

Whereas, local residents have thought differently about the area, raising questions about water contamination, vapor intrusion, dust-related risks, and lingering chemical compounds, especially since many area residents get their drinking water from private wells; and

Whereas, the Environmental Protection Agency undertook an expanded site review of the Ellisville Superfund Site after hearing residential concerns, and found that one of the proposed home sites of the Strecker Forest development indicated slightly elevated levels of a kind of dioxin that is associated with garbage burning, and that this contaminated soil may be removed and disposed of at a non-hazardous waste landfill; and

Whereas, in 2013, the Environmental Protection Agency said that they intended to use a recreational standard, rather than a residential standard, in cleaning up a portion of the Strecker Forest development site; and

Whereas, the Environmental Protection Agency did remove over 1,500 tons of material from the Strecker Forest development site; and

Whereas, many residents continue to be concerned about the remaining dioxin levels in excess of the Environmental Protection

Agency's recommended recreational standard, and want the area to be cleaned up to the Environmental Protection Agency's recommended residential standard:

Now Therefore Be It Resolved that the members of the Missouri Senate, Ninety-ninth General Assembly, First Regular Session, the House of Representatives concurring therein, hereby strongly urge the Environmental Protection Agency to remediate the Strecker Forest development site and other areas of the Ellisville Superfund Site to the Environmental Protection Agency's recommended residential standard rather than the recommended recreational standard to ensure that citizens do not continue to face potentially serious threats to public health; and

Be It Further Resolved that the Secretary of the Senate be instructed to prepare properly inscribed copies of this resolution for the Administrator of the Environmental Protection Agency, the Director of the Missouri Department of Natural Resources, and the Governor.

RESOLUTION #2016-17

A RESOLUTION OF THE CITY COUNCIL FOR THE CITY OF WILDWOOD, MISSOURI, CREATING A SPECIAL COMMITTEE OF THE CITY COUNCIL TO IDENTIFY THE DESIRED CRITERIA FOR SELECTION OF A LOBBYIST TO REPRESENT THE CITY BEFORE THE MISSOURI GENERAL ASSEMBLY AND OTHER OFFICIALS AND AGENCIES OF THE STATE; IDENTIFY ELIGIBLE LOBBYISTS THAT MAY SATISFY SUCH CRITERIA; MAKE A RECOMMENDATION OF A LOBBYIST TO THE MAYOR AND CITY COUNCIL PRIOR TO OCTOBER 1, 2016; AND DETERMINE WHETHER THE LOBBYIST SHOULD REPRESENT THE CITY UNDER AN ARRANGEMENT THAT INVOLVES ITS CONCURRENT REPRESENTATION OF OTHER MUNICIPALITIES; AND APPOINTING THE MEMBERS THEREOF. (Wards - All)

WHEREAS, the Mayor and the City Council of the City of Wildwood desire to determine whether the City should engage a lobbyist to represent the City's interests before the Missouri General Assembly and other officials and agencies of the State; and

WHEREAS, the Mayor and the City Council desire to create a special committee of the City Council to recommend a lobbyist to the Mayor and City Council prior to October 1, 2016, and to appoint members to such special committee.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WILDWOOD, MISSOURI, AS FOLLOWS:

Section One. Creation of Special Committee; Purpose. The City Council hereby creates a special committee for the following purposes:

A. Identifying the desired criteria for selection of a lobbyist to engage in lobbying activities on behalf of the City of Wildwood before the Missouri General Assembly and other officials and agencies of the State;

B. Identifying lobbyists that meet the criteria determined under Subparagraph A above;

C. Determining whether or not such a lobbyist should represent the City of Wildwood under an arrangement that involves the concurrent representation of other municipalities;

D. Making a recommendation to the Mayor and City Council prior to October 1, 2016, on whether or not the City should engage such a lobbyist to engage in lobbying activities on behalf of the City of Wildwood before the Missouri General Assembly and other officials and agencies of the State; and

E. Considering any other related issues requested by the City Council or Mayor.

Section Two. Composition of Members. The Mayor, upon the advice and consent of the City Council, as evidenced herein, shall appoint the following persons to the special committee created in Section One of this Resolution, whose term shall end upon the submission of a final report to the City Council, October 1, 2016, or at such time as the Mayor and City Council shall determine, whichever shall occur first:

A. Greg Alexander
B. Sue Cullinane
C. Larry Goodson
D. Jeff Levitt
E. Ed Marshall

Section Three. This resolution shall be in force and effect from and after the date of its final passage and approval.

This Resolution was passed and approved on this ____ day of _____, 2016, by the City Council of the City of Wildwood, Missouri.

_____
The Honorable James R. Bowlin, Mayor

ATTEST:

_____
City Clerk

WILDWOOD

June 21, 2016

The Honorable City Council
City of Wildwood, Missouri
16860 Main Street
Wildwood, Missouri 63040

Re: **On-Going and Long-Term Maintenance Costs for Parks and Trail Facilities**

Council Members:

Annual Allocations/Expenditures ♦♦♦

The City Council, during its Strategic Planning Process in March 2015, identified the need to ensure that, as facilities are added to the City's system of parks and trails, the costs associated with their maintenance and upkeep are addressed and managed as well. To this end, the Council Planning/Economic Development/Parks Committee has requested that each month an update of expenditures on parks and trail maintenance be provided by City staff, along with any unusual allocations in this regard as well. Therefore, as part of this reporting of monthly expenses and expenditures, the Committee will continue to provide the summary of annual expenditures by the Department of Planning and Parks, in the City's maintenance of facilities since 2006, which is identified below:

Year	Original Budget Allocation ($)	Amended Budget Allocation ($)	Actual Amount ($)
2006	15,000	64,000	68,454
2007	62,500	58,486	57,880
2008	67,000	67,000	65,176
2009	68,000	120,000	112,608
2010	120,000	110,000	103,275
2011	125,000	135,000	127,995
2012	135,000	164,000	173,980
2013	175,000	160,000	129,788
2014	175,000	161,200	133,033
2015	160,000	160,000	172,679*
2016	**170,000**	TBD	TBD

*As of December 31, 2015 (Final)

Current Allocations/Expenditures ♦♦♦

The Committee, in calculating the expenditures for Fiscal Year 2016, did so upon the date the work was completed, not necessarily the month in which the invoice was paid. Since the City Council's last meeting, all of the invoices for the month of April, and a portion of May, that have been paid thus far for maintenance of park and trail facilities have been totaled and identified. These expenditures include the following items:

- ✓ Trash removal in park properties and trail locations
- ✓ Grass cutting
- ✓ Drinking fountain repairs
- ✓ Tree trimming
- ✓ Final preparations to open pavilion and restrooms at Community Park

The spending for the year to date, on a per month basis of when the work was completed, is provided below:

2016 Expenditures	
January	$7,555.14
February	$8,188.90
March	$32,293.32
April	$18,570.14
May (incomplete)	$5,054.27
Year to Date Total	$71,661.77

Additionally, the spending for the year, to date, is identified by each park, on the attached spreadsheet.

If any of the City Council Members should have questions or comments before tonight's meeting about this information, please feel free to contact the Department of Planning and Parks at (636) 458-0440. The Department of Planning will be available at the June 27, 2016 City Council meeting to respond to any questions or comments in this regard. Thank you for your review of this information.

Respectfully submitted,
CITY OF WILDWOOD

Jim Baugus, Chair*
Planning/Economic Development/Parks Committee

Cc: The Honorable James R. Bowlin, Mayor
Ryan S. Thomas, P.E., City Administrator
John A. Young, City Attorney
Kathy Arnett, Assistant Director of Planning and Parks
Gary Crews, Superintendent of Parks and Recreation

* The Department of Planning and Parks developed this report, in conjunction with the Planning/Economic Development/Parks Committee. Content reflects the Committee's consideration of this subject, and not necessarily an individual's position or opinion.

FY-2016 Parks and Trails Maintenance Costs

	Park/Trail			AL FOSTER TRAILHEAD	ANNIVERSARY PARK	BELLEVIEW FARM PARK	BLUFF VIEW PARK	COMMUNITY PARK	GLENCOE PARK	KOHN PARK	OLD POND SCHOOL	ROCK HOLLOW TRAIL	PEDESTRIAN BRIDGES	TAYLOR/100 TRAIL	EVENTS	GENERAL TRAILS	GENERAL WORK		
	INVOICE #	DATE	WORK COMPLETED															INVOICE TOTAL	SPECIFIC LOCATION
JANUARY	37517	########	Fire Extinguisher Inspection														$ 40.00	$ 40.00	City Hall - Work done in 2015, but paid in 2016
	9716	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 60.00	$ 40.00		$ 40.00	$ 40.00	$ 40.00	$ 40.00				$ 340.00	
	9722	########	Remove Christmas Tree														$ 368.25	$ 368.25	
	9723	########	Reinstall Pipe Bollard										$ 127.00					$ 127.00	109 & Windsor Meadow
	9743	########	Clean out Trash Containers		$ 40.00			$ 60.00	$ 80.00									$ 180.00	
	9743	########	Pick up sticks									$ 180.00						$ 180.00	
	9745	########	Trim Honeysuckle										$ 460.00					$ 460.00	Cambury Trail & North Ped Bridge
	9745	########	Pick up Trash													$ 300.00		$ 300.00	
	9746	########	Clean out Trash Containers													$ 40.00		$ 40.00	Eatherton Trail
	9750	########	Clear Snow												$ 1,203.00			$ 1,203.00	Al Foster and Duck Loop (Frozen Feet Run)
	9753	########	Plow Snow					$ 195.00										$ 195.00	
	9117355	########	Pest Control								$ 52.00							$ 52.00	
	9754	########	Clear Snow												$ 2,372.39			$ 2,372.39	Glencoe Pkg Lot; Rock Hollow Trail (Frozen Feet Run)
	9755	########	Spread Ice Melt												$ 317.50			$ 317.50	Rock Hollow Trail (Frozen Feet Run)
	9756	########	Sign Drop Off & Pickup												$ 97.50			$ 97.50	Frozen Feet Run
	9765	########	Clean out Trash Containers		$ 40.00		$ 40.00		$ 80.00			$ 40.00	$ 40.00	$ 40.00				$ 280.00	
	9769	########	Install Chains on Trash Cans				$ 175.50											$ 175.50	
	9770	########	Install 2 Dog Stations				$ 234.00											$ 234.00	
	9773	########	Clean out Trash Containers					$ 60.00			$ 40.00							$ 100.00	
	9776	########	Repair Gates					$ 493.00										$ 493.00	
			JANUARY TOTALS	$ -	$ 120.00	$ -	$ 489.50	$ 868.00	$ 200.00	$ -	$ 132.00	$ 260.00	$ 667.00	$ 80.00	$ 3,990.39	$ 340.00	$ 408.25	$ 7,555.14	**JANUARY TOTAL**
	INVOICE #	DATE	WORK COMPLETED															INVOICE TOTAL	SPECIFIC LOCATION
FEBRUARY	9779	########	Chip Brush Piles					$ 505.00										$ 505.00	
	9785	########	Clean Picnic Table Pads						$ 591.50									$ 591.50	
	9787	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 45.00	$ 80.00		$ 40.00	$ 40.00	$ 40.00					$ 325.00	
	9787	########	Trash Pickup													$ 480.00		$ 480.00	
	9802	########	Clean out Trash Containers					$ 60.00										$ 60.00	
	9806	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 60.00	$ 80.00		$ 40.00	$ 40.00	$ 40.00	$ 40.00				$ 380.00	
	9811	########	Clean up beds & cut back plants		$ 620.00													$ 620.00	
	9820	########	cut grass plants & empty trash					$ 60.00								$ 625.00		$ 685.00	La Salle Trail
	9823	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 60.00	$ 80.00		$ 40.00		$ 40.00	$ 40.00				$ 340.00	
	9828	########	Snow plow					$ 195.00										$ 195.00	
	9833	########	Install rock					$ 1,670.40										$ 1,670.40	
	9837	########	Tent Install												$ 546.00			$ 546.00	Cabin Fever Hike
	9838	########	Clear trees				$ 303.00											$ 303.00	
	9840	########	Clear trail debris									$ 889.00						$ 889.00	
	9841	########	Install new dog station									$ 130.00						$ 130.00	
	9843	########	Pick up lumber/rake mulch					$ 253.50										$ 253.50	
	9845	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 60.00	$ 75.50									$ 215.50	
			FEBRUARY TOTALS	$ -	$ 780.00	$ -	$ 463.00	$ 2,968.90	$ 907.00	$ -	$ 120.00	$ 1,099.00	$ 120.00	$ 80.00	$ 546.00	$ 1,105.00	$ -	$ 8,188.90	**FEBRUARY TOTAL**
	INVOICE #	DATE	WORK COMPLETED															INVOICE TOTAL	SPECIFIC LOCATION
MARCH	9848	########	Clean and mulch beds								$ 1,362.50							$ 1,362.50	
	9849	########	Install playground chips		$ 1,000.00						$ 2,588.52							$ 3,588.52	
	9851	########	Install playground chips		$ 1,056.00				$ 1,000.00									$ 2,056.00	
	9853	########	Clean out Trash Containers					$ 60.00					$ 40.00	$ 40.00		$ 40.00		$ 180.00	
	9855	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 60.00	$ 80.00									$ 220.00	
	9856	########	Clean out Trash Containers										$ 45.00					$ 45.00	
	9857	########	Install Playground chips					$ 1,158.00										$ 1,158.00	
	9861	########	Clean up down tree limbs						$ 305.00									$ 305.00	
	9862	########	Mulch					$ 4,812.50										$ 4,812.50	
	9864	########	Mulch		$ 1,765.00													$ 1,765.00	
	9865	########	Clean out Trash Containers					$ 60.00										$ 60.00	
	9869	########	Install Dog Signs					$ 194.00										$ 194.00	
	9871	########	Downed tree removal									$ 1,270.00						$ 1,270.00	
	9877	########	Mulch										$ 1,785.00					$ 1,785.00	
	9878	########	Mulch						$ 2,100.00									$ 2,100.00	
	9879	########	Mulch													$ 2,760.00		$ 2,760.00	Lafayette High to P-G Loop

FY-2016 Parks and Trails Maintenance Costs

	Park/Trail			AL FOSTER TRAILHEAD	ANNIVERSARY PARK	BELLEVIEW FARM PARK	BLUFF VIEW PARK	COMMUNITY PARK	GLENCOE PARK	KOHN PARK	OLD POND SCHOOL	ROCK HOLLOW TRAIL	PEDESTRIAN BRIDGES	TAYLOR/100 TRAIL	EVENTS	GENERAL TRAILS	GENERAL WORK		
	9883	########	Clean out Trash Containers					$ 60.00									$ 15.00	$ 75.00	Town Center Trash Containers
	9887	########	Mulch						$ 390.00									$ 390.00	
	9892	########	Install weed prevention					$ 180.00										$ 180.00	
	9893	########	Clean out Trash Containers		$ 40.00		$ 40.00	$ 60.00					$ 40.00	$ 40.00		$ 40.00		$ 260.00	
	9896	########	Mulch													$ 3,795.00		$ 3,795.00	Hamilton-Carr/tunnel/Wildwood Greenway
	9897	########	Grass cutting & trimming		$ 75.00				$ 660.00				$ 420.00			$ 520.00		$ 1,675.00	
	9897	########	Clean out Trash Containers					$ 120.00										$ 120.00	
	9907	########	Clean pavilion area					$ 396.00										$ 396.00	
	9908	########	Put up and take down Tent												$ 546.00			$ 546.00	WBA Balloon Glow
	9919	########	Clean inlets and paint					$ 684.92										$ 684.92	
	9926	########	Replace 6 signs with new poles													$ 509.88		$ 509.88	Pond-Grover Loop Area
			MARCH TOTALS	$ -	$ 3,976.00	$ -	$ 80.00	$ 7,845.42	$ 4,535.00	$ -	$ 3,951.02	$ 1,270.00	$ 2,330.00	$ 80.00	$ 546.00	$ 7,664.88	$ 15.00	$ 32,293.32	**MARCH TOTAL**
	INVOICE #	DATE	WORK COMPLETED															INVOICE TOTAL	SPECIFIC LOCATION
	9899	########	Clean out Trash Containers					$ 60.00										$ 60.00	
	9899	########	Grass cutting & trimming		$ 75.00		$ 320.00	$ 200.00	$ 560.00		$ 75.00	$ 40.00				$ 380.00		$ 1,650.00	
	9927	########	Board up buildings & paint			$ 254.50												$ 254.50	
	9938	########	Pick up broken light		$ 234.00													$ 234.00	
	9941	########	Check light poles		$ 65.00													$ 65.00	
	9943	########	Clean & wash down Trash Containers					$ 708.50										$ 708.50	
	9947	########	Install signs and clean debris					$ 312.50										$ 312.50	
	9127748	########	Pest control								$ 52.00							$ 52.00	
	9930	########	Clean out Trash Containers		$ 40.00		$ 45.00	$ 100.00	$ 40.00									$ 225.00	
	9930	########	Grass cutting & trimming				$ 75.00		$ 660.00		$ 75.00		$ 420.00			$ 470.00		$ 1,700.00	
	9951	########	Delivery of memorial bench													$ 104.00		$ 104.00	
	9952	########	Clean for rental								$ 75.00							$ 75.00	
	9956	########	Bench assemply & plaque install													$ 332.67		$ 332.67	
	9959	########	Grade entrance					$ 606.85										$ 606.85	
	9960	########	Remove trash								$ 75.00							$ 75.00	
	9961	########	Set up & take down tent for event												$ 693.00			$ 693.00	WBA Balloon Glow
	9963	########	Clean out Trash Containers		$ 40.00			$ 60.00										$ 100.00	
	9963	########	Grass cutting & trimming		$ 75.00		$ 200.00	$ 200.00	$ 660.00			$ 45.00						$ 1,180.00	
	9965	########	Grass cutting & trimming												$ 80.00			$ 80.00	WBA Balloon Glow (Town Center fields)
	9966	########	Grass cutting & trimming					$ 125.00										$ 125.00	
	9969	########	Seal bathroom floors					$ 1,370.90										$ 1,370.90	
	32668	########	Lock Installation					$ 483.00										$ 483.00	
	1355	########	Dewinterize bathroom		$ 382.00													$ 382.00	
	9970	########	Clean out Trash Containers		$ 75.00			$ 60.00										$ 135.00	
	9970	########	Grass cutting & trimming		$ 75.00				$ 660.00	$ 90.00	$ 75.00		$ 420.00			$ 965.00		$ 2,285.00	
	9974	########	Clean out Trash Containers		$ 40.00													$ 40.00	
	9974	########	Grass cutting & trimming		$ 75.00		$ 200.00	$ 485.00	$ 660.00		$ 75.00							$ 1,495.00	
	9976	########	Grass cutting & trimming														$ 40.00	$ 40.00	Town Center near Garden
	9991	########	Aerate, overseed, fertilize					$ 571.14										$ 571.14	
	9994	########	Adjust doors & install shelf					$ 260.00										$ 260.00	
	9997	########	Work at park					$ 390.00										$ 390.00	
	9998	########	Clean Park & trash containers					$ 320.00										$ 320.00	
	10004	########	Power wash walk, repair bldg, clean					$ 520.00										$ 520.00	
	10007	########	Seal sidewalk, fix lights					$ 1,106.08										$ 1,106.08	
	10009	########	Remove tree from trail													$ 244.00		$ 244.00	Glencoe Area
	10011	########	Clean Park & trash containers		$ 135.00			$ 160.00										$ 295.00	
APRIL			**APRIL TOTALS**	$ -	$ 1,311.00	$ 254.50	$ 840.00	$ 8,098.97	$ 3,240.00	$ 90.00	$ 502.00	$ 85.00	$ 840.00	$ -	$ 773.00	$ 2,495.67	$ 40.00	$ 18,570.14	**APRIL TOTAL**
	INVOICE #	DATE	WORK COMPLETED															INVOICE TOTAL	SPECIFIC LOCATION
	10017	########	Backfill sidewalk					$ 184.00										$ 184.00	
	10020	########	Work on drinking fntn and irrigation		$ 372.27													$ 372.27	
	10021	########	Repair drinking fountain								$ 175.50							$ 175.50	
	10022	########	Clean out trash containers		$ 40.00			$ 60.00										$ 100.00	
	10023	########	Install motion sensors					$ 195.00										$ 195.00	
	10024	########	Brush hog			$ 1,002.50												$ 1,002.50	
	10025	########	Trim back trees and bushes	$ 1,527.00														$ 1,527.00	
	10027	########	Clean up brush & branches							$ 808.00								$ 808.00	
MAY																			

FY-2016 Parks and Trails Maintenance Costs

	Park/Trail			AL FOSTER TRAILHEAD	ANNIVERSARY PARK	BELLEVIEW FARM PARK	BLUFF VIEW PARK	COMMUNITY PARK	GLENCOE PARK	KOHN PARK	OLD POND SCHOOL	ROCK HOLLOW TRAIL	PEDESTRIAN BRIDGES	TAYLOR/100 TRAIL	EVENTS	GENERAL TRAILS	GENERAL WORK		
	10034	########	Clean park & trash containers		$ 135.00			$ 160.00										$ 295.00	
	10035	########	Clean park & trash containers		$ 135.00			$ 160.00										$ 295.00	
	10038	########	Clean out trash containers		$ 40.00			$ 60.00										$ 100.00	
			MAY TOTALS	$ 1,527.00	$ 722.27	$ 1,002.50	$ -	$ 819.00	$ -	$ 808.00	$ 175.50	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,054.27	**MAY TOTAL**
			YEAR TO DATE TOTALS	**$1,527.00**	**$6,909.27**	**$1,257.00**	**$1,872.50**	**$20,600.29**	**$8,882.00**	**$898.00**	**$4,880.52**	**$2,714.00**	**$3,957.00**	**$240.00**	**$5,855.39**	**$11,605.55**	**$463.25**	**$71,661.77**	**YEAR TO DATE TOTAL**

WILDWOOD

June 21, 2016

The Honorable City Council
City of Wildwood, Missouri
16860 Main Street
Wildwood, Missouri 63040

Re: **Reservation and Registration Update – Parks and Recreation**

Council Members:

Monthly Accounting for Parks & Recreation ♦♦♦

At the direction of the City Council from its 2015 Strategic Planning session, the Planning/Economic Development/Parks Committee has been providing the costs associated with the maintenance and upkeep of the City's parks and trails facilities since the beginning of this year. This information has been provided in the form of an annual accounting from the year 2006 through 2015, and, again, beginning in 2016, a monthly accounting on a per park basis has been provided. In conjunction with this maintenance report, the Committee is now providing an accounting of the fees collected from pavilion rentals and program registrations.

Current Registration/Reservation Status ♦♦♦

The Committee, has calculated three (3) main categories of information. These categories include the following:

- ✓ Number of Completed Registrations
  - This number includes Dog Park membership registrations of both households and the number of dogs, as well as event registrations
- ✓ Number of Reservations for pavilion rentals in three (3) parks
  - Community Park
  - Anniversary Park
  - Old Pond School Park
- ✓ Fees Collected
  - Membership registrations
  - Event registration
  - Pavilion rentals

The Committee has waited until Spring 2016 to provide an accurate count of the dog park area, which now includes the overall number of households registered, as well as how many dogs were enrolled, given the facility opened in late Fall 2015. The number of Dog Park memberships is the only information provided from the previous year (2015). With the addition of the RecDesk Software in March, pavilion reservations are now completed online and payment collected via credit card at the time of reservation. Therefore, pavilion rentals have been calculated beginning in March 2016, when the system was first operational. The pavilion in Community Park was not open and available for reservations until April 2016. The Committee would also

note the calculations of event registrations are totaled for each event and listed during the month the event was held, not necessarily when the reservations were made. The final item of note is the accounting provided is not necessarily net income for the City. Expenditures occur for each event, along with maintenance and upkeep within each park and fees to partners, who assist the City in the execution of these tasks.

The fees collected for the year to date, again on a per month basis of when the event was completed, are provided below:

2016 Fees Collected	
January	$11,585
February	$750
March	$1,660
April	$6,610
May	$2,840
Year to Date Total	$24,445

The quantities of registrations and reservations for the year, in addition to the fees collected to date, is identified by each month, on the attached spreadsheet.

If any of the City Council Members should have questions or comments before tonight's meeting about this information, please feel free to contact the Department of Planning and Parks at (636) 458-0440. The Department of Planning will be available at the June 27, 2016 City Council meeting to respond to any questions or comments in this regard. Thank you for your review of this information.

Respectfully submitted,
CITY OF WILDWOOD

Jim Baugus, Chair*
Planning/Economic Development/Parks Committee

Cc: The Honorable James R. Bowlin, Mayor
Ryan S. Thomas, P.E., City Administrator
John A. Young, City Attorney
Kathy Arnett, Assistant Director of Planning and Parks
Gary Crews, Superintendent of Parks and Recreation

* The Department of Planning and Parks developed this report, in conjunction with the Planning/Economic Development/Parks Committee. Content reflects the Committee's consideration of this subject, and not necessarily an individual's position or opinion.

Registration and Reservation Results and Fees

	2015		January 2016			February 2016			March 2016			April 2016			May 2016					
	Registrations Completed	Fees Collected	Reservations Made	Registrations Completed	Fees Collected	Reservations Made	Registrations Completed	Fees Collected	Reservations Made	Registrations Completed	Fees Collected	Reservations Made	Registrations Completed	Fees Collected	Reservations Made	Registrations Completed	Fees Collected	Total Reservations	Total Registrations	Total Fees Collected
Dog Park Households	131	$7,248.50		20	$ 1,000.00		15	$ 750.00		32	$ 1,600.00		20	$ 1,000.00		16	$ 800.00		**234**	**$12,398.50**
Dog Park Dogs	174			31			19			40			25			22			**311**	
Anniversary Park Pavilion									2		$ 60.00	5		$ 170.00	8		$ 230.00	**15**		**$ 460.00**
Community Park Pavilion												21		$ 2,100.00	17		$ 1,750.00	**38**		**$ 3,850.00**
Old Pond School Pavilion												1		$ 30.00	2		$ 60.00	**3**		**$ 90.00**
Event Registration				331	$11,585.00		479			100			243	$ 3,310.00		84			**1237**	**$14,895.00**
Event Breakdown			Frozen Feet 1/2 Marathon (331@$35) = $11,585			ECRP (95@Free) = $0.00 Cabin Fever Hike (240@Free) = $0.00 Family Snow Day at Hidden Valley (144@Free) = $0.00			ECRP (100@Free) = $0.00			ECRP (83@Free) = $0.00 Spring Crop (11@$30) = $330 Tree Hugger 5K Run (149@$20) = $2980			ECRP (84@Free) = $0.00					
2015 Totals		**$7,248.50**																**2015 Totals**	**131**	**$ 7,248.50**
2016 Totals					**$12,585.00**			**$ 750.00**			**$ 1,660.00**			**$ 6,610.00**			**$ 2,840.00**	**56**	**1340**	**$24,445.00**

2016 Totals

BILL #2196 **ORDINANCE #2196**

AN ORDINANCE AUTHORIZING THE CITY ADMINISTRATOR OF THE CITY OF WILDWOOD TO ISSUE A PURCHASE ORDER TO TYLER TECHNOLOGIES FOR ACCOUNTING SOFTWARE AND HARDWARE UPGRADES

WHEREAS, to improve data management, reporting capabilities, and reduce City team member time for data entry and data management, the Administration/Public Works Committee, City Treasurer and Department of Administration and Finance believe it is in the best interest of the City to upgrade its accounting software and hardware at this time.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF WILDWOOD, MISSOURI, AS FOLLOWS:

Section 1.

The City Administrator of the City of Wildwood is hereby authorized to issue a Purchase Order to Tyler Technologies for Accounting Software and Hardware Upgrades, as further described on the attached quote.

Section 2.

The total expenses and liability of the City of Wildwood under the Purchase Order shall not exceed $61,371, which includes $30,317 of encumbered funds from Fiscal Year 2015, and an increase to the Fiscal Year 2016 Budget, which is planned as part of the upcoming mid-year budget amendment.

Section 3.

This Ordinance shall be in full force and effect from and after its passage and approval.

This Bill was passed and approved this ____ day of _____, 2016, by the Council of the City of Wildwood, Missouri, after having been read by title or in full two times prior to passage.

_____ _____

PRESIDING OFFICER JAMES R. BOWLIN, MAYOR

ATTEST: ATTEST:

_____ _____

City Clerk City Clerk

WILDWOOD

June 21, 2016

The Honorable City Council
City of Wildwood, Missouri
16860 Main Street
Wildwood, Missouri 63040

Re: **Community Park - Phase Three**

Council Members:

Although progress on the completion of Phase Two of the Community Park has slowed due to utility-related issues relative to the interior roadway's planned location and connection to the Pond-Grover Loop Road, the Committee has continued to identify next steps in the overall building process for this one-of-a-kind facility. It is important to note these utility issues are under discussion with the appropriate parties, but, as has been noted, will delay construction beyond the anticipated completion of summer's end. Despite this delay, the Committee has begun the planning for Phase Three of the project, which is funded in 2016 for design and engineering services, so bidding could conceivably begin in 2017 for construction in that same year or 2018.

In preparing to discuss this next phase of the Community Park's development, the Committee would first note the Planning and Zoning Commission and City Council have approved a comprehensive Concept Plan in 2011 for this type of guidance. The planning process used to create this plan included a citizen committee that studied the matter for almost one (1) year and produced a report, which included the aforementioned plan. The outcome of this process was the acknowledgement that Community Park would have to be developed in phases, given the size of the property, the desired and identified improvements, and the overall cost with them.

The Concept Plan for Community Park indicates a total of seven (7) phases, of which the next for consideration is Phase Three. Phase Three of the overall development of this facility, according to the plan, is another pavilion area, similar to Phase One in the Glade Area, but located within the north end of the site, and including the following items:

1. Electrical services and other utilities
2. Restrooms
3. Parking improvements
4. Work in the Great Meadow Area

Subsequent phases then are identified with further improvements away from the central area of the property.

The Committee is certainly not advocating a change in direction from the Concept Plan; however, in this next phase, it would like to reorder them to allow for this work to include a perimeter, multiple use trail that would include additional parking facilities and the on-going work in the Great Meadow Area, which started in the current Phase Two project. These components have been studied over the last few months and the Committee has a preliminary design, along with a proposal for its design/engineering services from Oates Associates. The availability of this information would also allow the City to apply for potential grant funding from the St. Louis County Municipal Park Commission, which is providing part of the funds for the aforementioned Phase Two Project at this time. Grant funding is one (1) of the methods the *Action Plan - Parks and Recreation Plan 2007* identifies as preferable for the City to pursue and use, whenever possible.

The benefits of this project are many-fold, but for the Committee, it believes the most important of them all is this trail which will provide a window into the remainder of the park, which few people know exists, given the lack of access to it. Therefore, by providing a functional and safe trail system, which will ultimately link to Phase One of the park to the existing trail system that connects to surrounding areas to the east. Along with this benefit, the completion of the preparatory work in the Great Meadow Area will provide several acres of passive green space for informal play. These additional use areas will be supported by new parking facilities, so spaces can be accommodated in the locations of high use and need. Collectively, these improvements, when completed, will provide the first full access, via on foot, to the entire park site.

The Committee considered this matter at its June 21, 2016 meeting and agreed the proposed improvements that had been identified above are a reasonable approach in terms of the next phase of development in Community Park and will allow further utilization of the overall sixty-six (66) acre park property by Wildwood residents. The action of the Committee was unanimous (6 to 0). To support the discussion of this item at tonight's meeting, the Committee is also providing to the City Council the final deliverable from the consulting firm that completed the Concept Plan for this park. This final deliverable from Oates Associates provides the details needed to understand all of the phases and the financial considerations associated with them as well.

The Committee noted the next steps, with City Council's concurrence, would be for the Department of Planning and Parks to complete the following:

a. Solicit proposals for the planning, design, and engineering work in association with the content of this Phase Three project, which would supplement the proposal that has already been provided by Oates Associates.
b. Present the proposals that are provided by the design and engineering firms to the Committee for consideration and action.
c. Engage the recommended consultant for the work and present a contract for the planning, design, and engineering work to begin to the Committee and then City Council.

d. Submit a grant application in the fall to the St. Louis County Park Grant Commission for this project.

To complete these steps, the Committee believes it will have substantial information by the fall of this year to use in its budget discussions with the Department of Planning and Parks, thereby allowing all parties to have a good understanding on how to proceed with the project in terms of funding for 2017/2018.

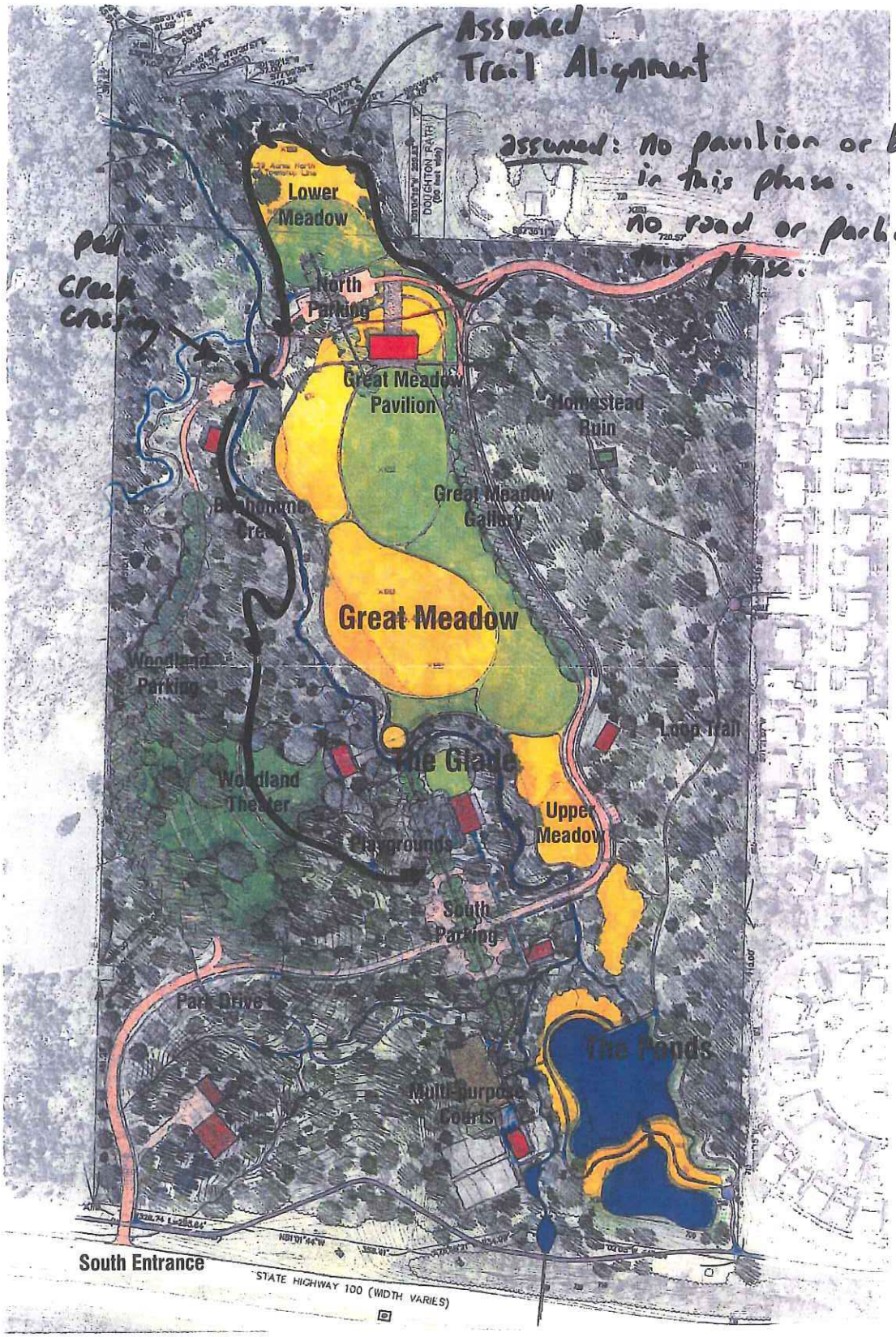
If any of the City Council Members have questions or comments about this information, please feel free to contact the Department of Planning and Parks at (636) 458-0440. A presentation of this information is planned on this item at tonight's meeting. Thank you for your consideration of this information and providing direction on the same.

Respectfully submitted,
CITY OF WILDWOOD

Jim Baugus, Chair*
Planning/Economic Development/Parks Committee

Cc: The Honorable James R. Bowlin, Mayor
Administration/Public Works Committee Members of the City of Wildwood
Ryan S. Thomas, P.E., City Administrator
John A. Young, City Attorney
Rick Brown, P.E. and P.T.O.E., Director of Public Works
Kathy Arnett, Assistant Director of Planning and Parks
Gary Crews, Superintendent of Parks and Recreation

* The Department of Planning and Parks developed this report, in conjunction with the Planning/Economic Development/Parks Committee. Content reflects the Committee's consideration of this subject, and not necessarily an individual's position or opinion.


Assumed Trail Alignment
assumed: no pavilion or buildings in this phase.
no road or parking in this phase.
Ped Creek Crossing
Lower Meadow
North Parking
Great Meadow Pavilion
Homestead Ruin
Great Meadow Gallery
Great Meadow
Woodland Parking
Loop Trail
The Grove
Woodland Theater
Upper Meadow
Playgrounds
South Parking
Park Drive
The Ponds
Multi-purpose Courts
South Entrance
STATE HIGHWAY 100 (WIDTH VARIES)

OATES ASSOCIATES
Engineering + Architecture

ILLINOIS
Eastport Business Center 1
100 Lanter Court, Suite 1
Collinsville, IL 62234
tel 618.345.2200
fax 618.345.7233

MISSOURI
Laclede Gas Building
720 Olive, Suite 700
St. Louis, MO 63101
tel 314.588.8381
fax 314.588.9605

www.oatesassociates.com

November 18, 2015

Joe Vujnich
City of Wildwood
Director of Planning and Parks
183 Plaza Drive
Wildwood, MO 63040

Re: Phase 3 - Community Park
Great Meadow and Multi-Use Path

Dear Mr. Vujnich:

We propose to render professional design services in connection with Phase 3 of the Community Park, which involves the multi-use path from the Pond Grove Loop Road extension to the parking lot and developing the Great Meadow (hereinafter called the "Project").

Our Basic Services will consist of providing a topographic survey, preliminary design, construction documents, part-time construction administration, and permit applications, all as set forth in the attached "Exhibit A: Scope of Work and Estimated Schedule". Oates Associates will manage and perform all the work in this proposal, with Nelson Byrd Woltz will providing landscape architecture and DJM Ecological Services, Inc. providing site specific weed eradication, seed mixes, and stewardship programs for the Great Meadow.

You agree to pay us for our Basic Services and any authorized Additional Services at the hourly rates set forth on Exhibit B. Billings for Basic Services are estimated at $136,000.

If Additional Services are requested to address an unforeseen condition or to address a City initiated design change, we will provide the service for an additional fee and bill for the time on an hourly basis using the rates shown in Exhibit B. We will not provide any Additional Services that increases the contract amount without prior approval from the City.

If this proposal and Scope of Work satisfactorily sets forth your understanding of our agreement, we'll incorporate it into the City's "Consultant/ Services Agreement" using this letter as an attachment. This proposal will be open for acceptance until February 29, 2016, unless changed by us in writing.

Sincerely,
OATES ASSOCIATES, INC.

Thomas L. Cissell III, PE, LEED AP
Project Manager

David M. Oates, PE
Project Principal

Accepted this_____ day of _____, 2015.

By: _____

Title: _____

EXHIBIT A
HOURLY RATE SCHEDULE

Principal Engineer	205.00
Senior Professional II	175.00
Senior Professional I	155.00
Professional IV	145.00
Professional III	135.00
Professional II	120.00
Professional I	105.00
Junior Professional	85.00
Technician III	115.00
Technician II	100.00
Technician I	80.00
Technician Intern	50.00

The above hourly rates are effective as of July 1, 2015 and are subject to adjustment annually.

GENERAL CONDITIONS

EXHIBIT A

Scope of Work and Estimated Schedule

Task 1: Field Survey - 3,100' long road trail, 12-acre Great Meadow (est. $24,000 - starting in February).

Task 1.1: Call in utility locates and review the utility marks in the field
Task 1.2: Walk the potential trail alignment to set creek crossing location and survey limits.
Task 1.3: Set horizontal and vertical control points for the survey.
Task 1.4: Tie in existing topography along 3,100'-long multi-use path, at the Bonhomme Creek crossing, and in the 12-acre meadow.
Task 1.5: Create the design background drawing by drawing the existing survey data in CAD.
Task 1.6: Field review the survey drawing, identify specimen trees, and edit the drawing accordingly. NBWLA will tag trees to save and flag the meadow boundary.

Task 2: Design Development (est. $44,000 starting in March)

Task 2.1: Kick-off/ coordination meeting with client to confirm goals and expectations
Task 2.2: Create an existing conditions/ removal plan along the path and meadow using specimen trees.
Task 2.3: Develop pavement structures and typical sections for the multi-use path.
Task 2.4: Set multi-use path alignments – horizontal and vertical.
Task 2.5: Using the alignments, cut cross sections along the path to determine earthwork and clearing limits.
Task 2.6: Coordinate Great Meadow concept plans with our subconsultants – NBWLA and DJM Ecological
Task 2.7: Incorporate concept plans into a grading plan for the meadow to determine seeding limits, estimate earthwork, and identify clearing limits.
Task 2.8: Perform storm water conveyance computations including:
- Design of six cross-trail pipe culverts
- Design trailside ditches and swales across the meadow.
- Design storm water dissipation pads (stone rip rap) at culvert outfalls.

Task 2.9: Perform a floodplain study to ensure the floodplain elevation is not affected by the creek crossing.
Task 2.10: Develop erosion control plans.
Task 2.11 Develop preliminary creek crossing plans for hydraulic models and City meeting (Task 2.14).
Task 2.12: Develop preliminary construction cost estimates.
Task 2.13: Submit the preliminary plans and concepts to the City for review and approval.
Task 2.14: Review the creek crossing structure with the Architecture Review Board (ARB) at one meeting. The crossing type will be confirmed before moving into the Construction Document phase.

Task 3: Construction Documents (est. $35,000 starting in May)

Task 3.1: Develop construction documents including:
- Cover and general notes sheets.
- Existing conditions and demo plans.
- Tree protection plans.
- Typical sections for the multi-use path.
- Multi-use path plan and profile sheets.
- Multi-use path cross sections.
- Great Meadow site plans.
- Great Meadow grading plans.
- Structural plans and details for the creek crossing.
- Landscaping and planting plans for the Great Meadow.
- Construction Details.
- Storm Water Pollution Prevention Plans.

Task 3.2: Prepare permit applications for a MDNR Land Disturbance Permit.
Task 3.3: Prepare a Corps of Engineers 404 permit application.
Task 3.4: Prepare permit applications for St. Louis County.
Task 3.5: Develop project specific specifications.
Task 3.6: Edit the City's front-end and proposal documents to be specific for this project.

Task 3.7: Finalize construction quantities and develop final construction cost estimates
Task 3.8: Submit the pre-final and final plans to the City for review and approval.

Task 4: Bid Assistance (est. $4,000 starting in August)

Task 4.1: Upload the construction documents to the plan holder room for distribution.
Task 4.2: Prepare for, attend, and conduct a pre-bid meeting.
Task 4.3: Review questions during the bid process.
Task 4.4: Prepare and issue an addendum to clarify the construction documents as needed during bidding.
Task 4.5: Review the bids and recommend award.

Task 5: Construction Administration ($29,000 starting in September and ending in December)

Task 5.1: Prepare for and conduct a pre-construction meeting. Minutes will be provided.
Task 5.2: Prepare for and conduct bi-weekly pay/ progress meetings. Minutes will be provided.
Task 5.3: Review and respond to contractor questions during construction operations.
Task 5.4: Review material submittals for seed mixes, pavement mixes, top soil, trees, aggregate suppliers, lime dosage rates, the bridge structure, bridge rebar, bridge railing, and other miscellaneous elements.
Task 5.5: Perform weekly site visits to review progress, document construction operations, help ensure the project is being built according to the plans, and coordinate construction.

The following activities will be part of the site visits:

- Perform quality assurance material testing on concrete, rock, and asphalt.
- Review the site for construction activity erosion and conduct storm water erosion control inspections.
- Document construction activities in daily field reports.
- DJM will review meadow installation proposals and review site preparation.
- If required, we will document design changes in the plans and specifications. At the end of the project, we will submit as-built drawings and specifications to the City.

Task 5.6: Conduct a final walk-thru and prepare a punchlist of deficient items for the contractor to address.
Task 5.7: Review warranties and provide a certificate of completion to the contractor.

NELSON
BYRD
WOLTZ
LANDSCAPE
ARCHITECTS

November 11, 2015

Tom Cissell
Oates Associates
100 Lanter Court, Suite 1
Collinsville, IL 62234

Re: **Wildwood Community Park, Phase 2- Great Meadow Design Services**

Dear Tom,

We are very excited to submit this proposal for design services related to the preparation of the Great Meadow at Wildwood Community Park. We feel a great sense of pride in the design effort to date and believe that the additional phases will only expand the public's capacity to explore and appreciate this remarkable place.

Per our previous conversations, we understand that this phase will not include full implementation of the entire path network for this area, but will incorporate the clearing and meadow establishment and some lawn areas necessary for the eventual design completion. As such, we have kept our proposal focused on the meadow establishment process.

We hope this meets the expectations of both you and the City of Wildwood, please do not hesitate to call with any questions. Should this be agreeable, we presume that we will sign a prepared subconsultant agreement with Oates.

Sincerely,

Breck Gastinger, Senior Associate
Nelson Byrd Woltz Landscape Architects

Community Park Phase II - Meadow Clearing and Preparation
Proposed Duration - 8 weeks

The NBW team will be led by Senior Associate Breck Gastinger, with supporting design staff as needed. Outlined below are anticipated services and projected time frame based on our experience with similar projects and our understanding of the project scope, schedule and budget.

Scope

- Identify meadow extent and layout and identify any trees to remain.
- Review road layout by Oates & Associates.
- Provide conceptual grading plan information for Oates to incorporate into site grading strategy.
- Prepare plan of lawn and meadow areas and layouts of mown paths.
- Review meadow specification, installation strategy, seed mix, and management recommendations by ecological consultant.
- Provide Lawn installation specification and seed mix(es).
- Provide planting plan of any other trees, shrubs, or planting areas within the project bounds.

Permits or presentations to regulatory agencies are not part of the scope of work.

For coordination purposes, we foresee the following scope for DJM Ecological Services:

- Provide guidance on the sequence and process for clearing and meadow planting preparation.
- Prepare meadow specification, installation strategy, seed mix, and management recommendations.
- Review materials prepared by NBW (layout plans, planting plans, and lawn specification) related to success of NWSG meadow.
- Review meadow installation proposals, review site preparation and guide seeding.

Deliverables

- Cad plan of Meadow and lawn extents and path layout
- Conceptual grading strategy
- Planting plan, specification and details

Site Visit, Meetings, and Presentations

- One (1) site visit to tag trees to save and to flag meadow boundary, or, alternatively, to review site staking prior to installation.

Fee

We propose to bill hourly for this project (current rates attached) with a not-to-exceed amount of $12,940 for these services plus expenses, to be invoiced monthly.

2015 Schedule of Hourly Rates

Nelson Byrd Woltz Landscape Architects

Principal	$350
Senior Associate	$200
Associate II	$180
Associate I	$160
Designer III	$140
Designer II	$120
Designer I	$100
Technical/Research	$ 80

Fees for professional services are calculated using the hourly rates listed above.

Travel time is billed at 50% of the regular hourly rate. Expenses are marked up 10% to cover administrative costs.

Rates are subject to change annually.

Ecological Consulting
Environmental Contracting
Natural Areas Management
Custom Seed &
Plant Propagation
Prescribed Burning

DJM Ecological Services, Inc.
2205 Ebert Lane
Wentzville, Missouri 63385
djmecological.com
314.478.2388 Doug
314.974.4282 Jon
636.332.9600 Fax

Project:	**Wildwood Community Park - Phase 2 Pond Grover Loop Road Extension**
Client:	**Oates & Associates – Tom Cissell**
Location:	**Wildwood, MO (109 @ 100)**

DJM Ecological Services, Inc. proposes to provide professional consulting services to further the development and deployment of site specific protocols, construction timelines, restoration techniques, seed mixes, installation details, stewardship technique details and unit cost budgetary thresholds.

ENGAGEMENT FEE SCHEDULE:

ITEM	QUANTITY	UNIT	EACH	EXTENDED
Principal / Senior Ecologist	20	Hours	$125	$2,500
Project Ecologist	15	Hours	$95	$1,425
Administrative Report Writing & Exhibit Development	10	Hours	$55	$550
Materials & Supplies – Cost + 10% NOT-TO-EXCEED	1	Lump Sum	$250	$250
TOTAL – NOT–TO-EXCEED				**$4,725**

Fee Breakdown: $3,300 Design & $1,425 Construction Oversight

Engagement specifically addresses the following professional services:

- **Provide guidance on the sequence and process for clearing existing vegetation, preparing the planting matrix and installing native seed utilizing appropriate methods**
- **Prepare meadow specification, installation strategy, seed mix, and management recommendations**
- **Review materials including layout plans, planting plans, and specifications pertinent to the success of the NWSG meadow planting**
- **Review meadow installation proposals, review site preparation and oversee construction**
  - **If DJM is not the selected contractor**
- **As requested, coordinate the development of visual collateral to communicate expectations for the development of the meadow planting**
  - **This line item can include the development of interpretive signage**
- **All services will be provided collaboratively with NBW-LA's representative, Breck Gastinger**

WILDWOOD COMMUNITY PARK

THE CONCEPTUAL MASTER PLAN

Oates Associates Vector Communication Nelson Byrd Woltz

November 2011

Goals & Overview

Site Photos & Site Analysis

Program

Comparable Projects

Public Participation

Development Frameworks & Conceptual Ideas

The Master Plan (final adoption 10.24.11)

Strategies, Phasing & Costs

Goals & Overview

Site Photos & Site Analysis

Program

Comparable Projects

Public Participation

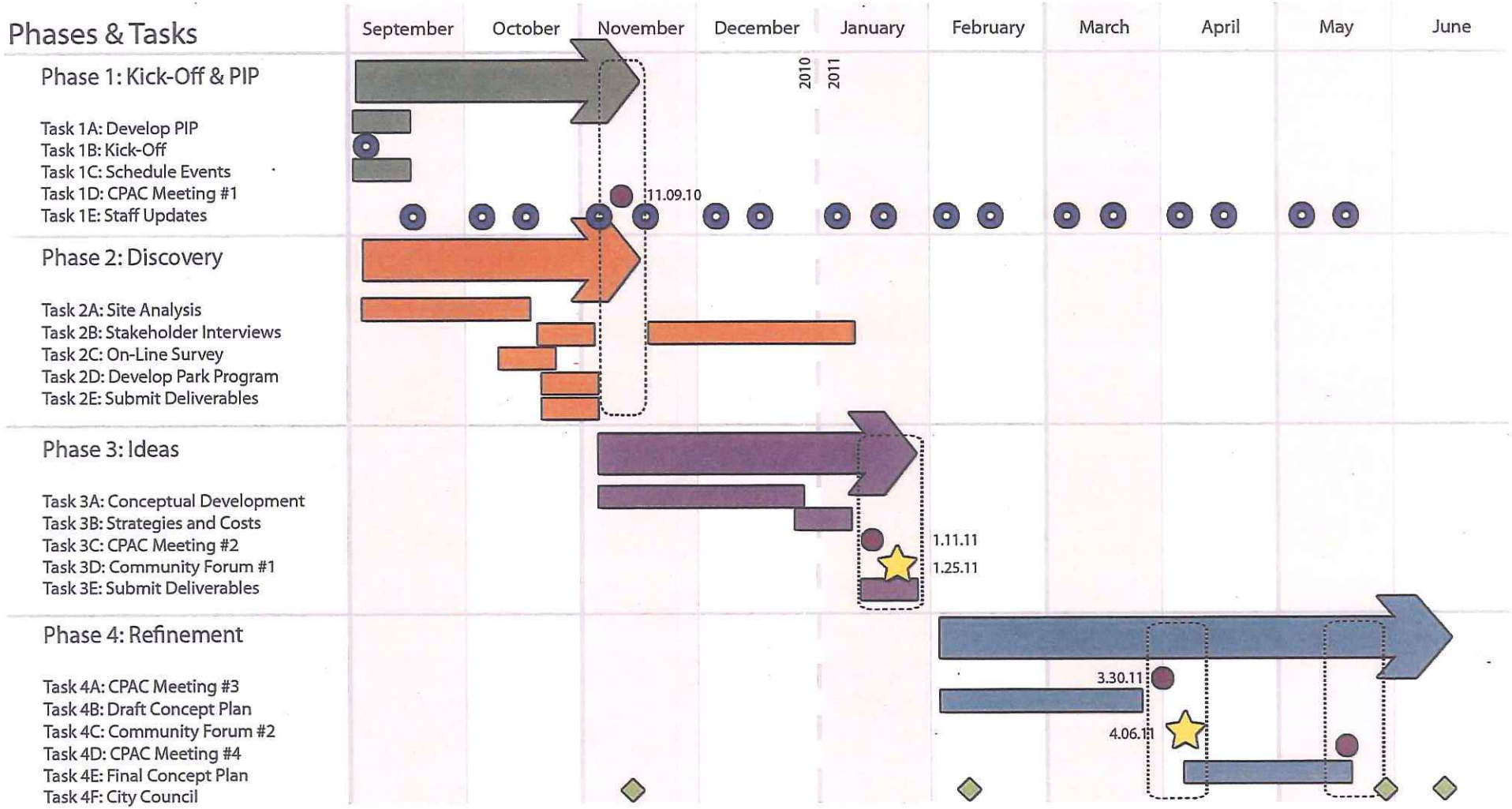
Development Frameworks & Conceptual Ideas

The Master Plan

Strategies, Phasing & Costs

PROJECT OVERVIEW

Conduct a two step planning program beginning with 1.) a public engagement process to obtain opinions, recommendations and input from residents of Wildwood and 2.) interpret that information for the purposes of developing a conceptual plan for the property.



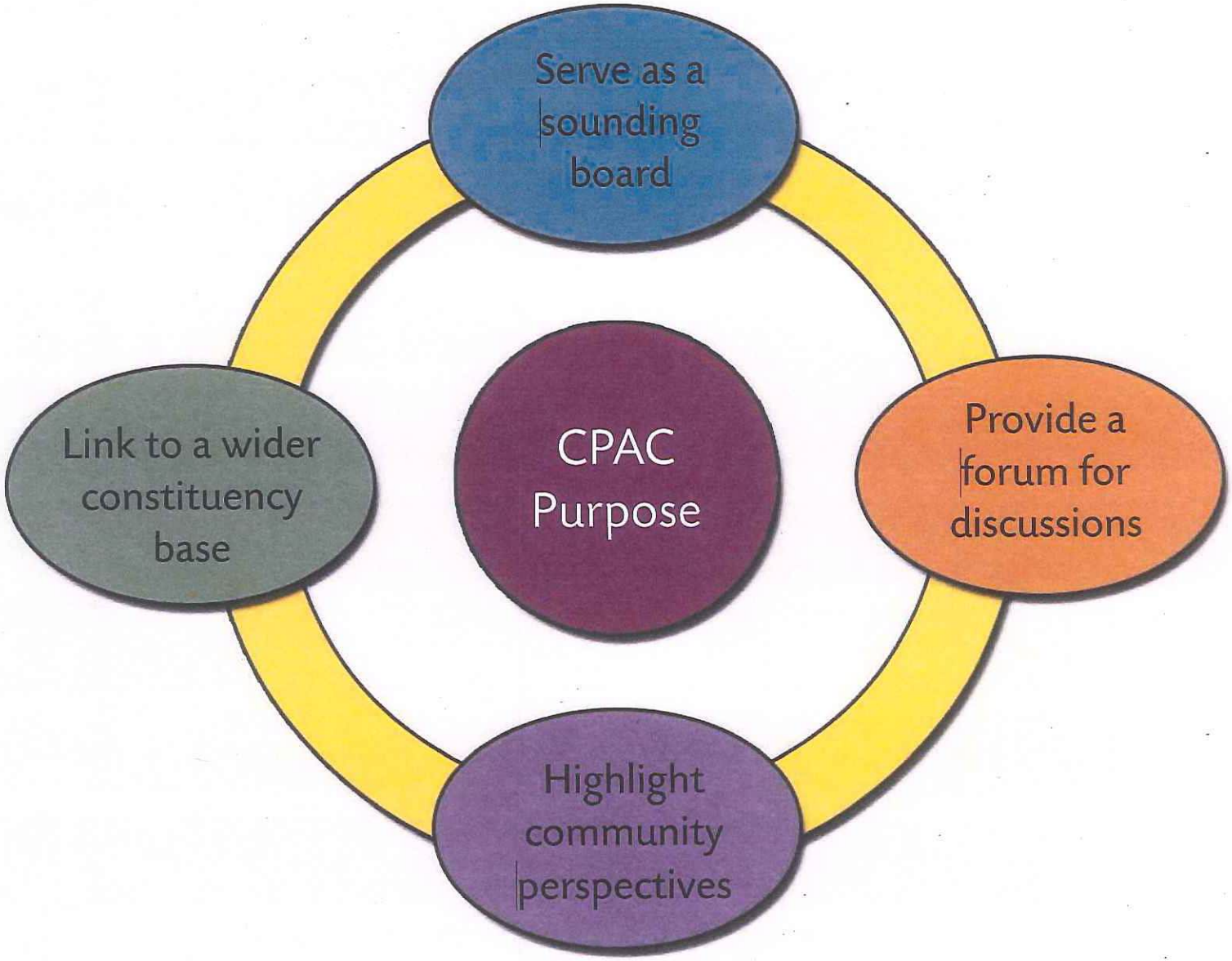
DESIGN GOALS

- Restore, celebrate local ecologies – meadow, forest, and stream
- Create a cohesive series of park elements
- Create memorable places and spaces
- Design for all 4 seasons
- Design for low and high use (weekday, weekend, event)
- Flexible Structure for future adaptation
- Consider phasing opportunities
- Accessibility

PLANNING PRINCIPLES (per Wildwood Survey)

- Connectivity to Wildwood Trails
- Protect and enhance existing streams
- Create space for community activities
- Protect wildlife
- Low maintenance
- Minimize stormwater runoff
- Protect and restore native ecologies
- Connect to surrounding neighborhoods
- Mitigate effects of park lighting and noise

Roles & Responsibilities



Roles & Responsibilities

What is the Community Park Advisory Committee or CPAC?

Consist of 18-20 Wildwood residents representing demographic attributes, such as gender, age, family orientation and recreational interests; and formed to assist the technical team (consultants and city administrators) as it develops the community park master plan.

What is the CPAC's purpose?

- Serve as a **sounding board** for the community by providing feedback on study information and choices;
- Provide a forum for **collaborative discussions** regarding specific project issues;
- Help the consulting team and client **prepare for public meetings** by highlighting community issues, concerns and perspectives; and
- Link the consulting team to a **wider constituency** base by transmitting information about the project to groups that they represent.

What will be my roles and responsibilities as a CPAC member and for how long?

- Represent the various **perspectives of residents** by sharing preferences, desires and concerns openly regarding the new community park;
- Serve in an **advisory capacity** by recommending ideas to the project team;
- Attend and prepare for CPAC meetings.
- Identify key subdivision, neighborhood and **community organizations as conduits** for information dissemination;
- Facilitate ongoing, **two-way communication** between citizens and the consulting team; and
- Assist the consulting team in **tracking local community feedback** and providing citizens with updates regarding how their input and ideas are being incorporated into the master plan.

What can I expect from the technical team?

- Provide information, in a timely manner;
- Answer questions and provide information, so that you can be a productive CPAC member;
- Listen to your desires, issues and concerns and consider them as the master plan is developed and discussed with the Wildwood residents; and
- Host meetings in a prompt fashion (within stated timeframe) with light refreshments.

COMMUNITY PARK ADVISORY COMMITTEE
(CPAC) 17 members

Ward One
Veronica Leach
17152 Windsor Crest Boulevard
Wildwood, MO 63038
(636) 590-2063 - home
markveronicaparentsof3@yahoo.com

Mary Kenny
17166 Lafayette Trails Court
Wildwood, MO 63038
(636) 458-4370 - home
moekenny@att.net

Ward Two
Mikel Garrett
1509 Englebrook Drive
Wildwood, MO 63011
(636) 458-8091 - home
mikel.garrett.jytb@statefarm.com

Darren Dunkle
16256 Berry View Court
Wildwood, MO 63011
(314) 288-4129 - home
ddunkle1@gmail.com

Ward Three
Samuel Visintine
17801 Wellington Crest Court
Wildwood, MO 63005
(636) 458-1181 - home
savisintine@hotmail.com

Mark Perez
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(636) 405-2991
Mspar15@aol.com

Ward Four
Katie Dodwell
1655 Timber Hollow Drive
Wildwood, MO 63011
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katiedodwell@att.net

Kerry Barban Huffines
1602 Englebrook Court
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(314) 220-2727 - home
kerrybarban@msn.com

Ward Five
Julie McMillen
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Wildwood, MO 63011
(636) 273-6280 - home
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Katie Palmquist
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Ward Six
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Wildwood, MO 63069
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Carol Dean
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Charissa Fisher
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Wildwood, MO 63040
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Doug Carlson
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dcarlson@centrichealthresources.com

Member At-Large
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Wildwood, MO 63040
(636) 236-9650 - home
Judy.Hartz@usbank.com

COMMUNITY PARK ADVISORY COMMITTEE

Council Liaisons

Tammy Shea (Ward Three)
18132 Sunnytop Court
Wildwood, MO 63038
636-458-5026 – home
bellaframing@sbcglobal.net

Michele Bauer (Ward Eight)
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Wildwood, MO 63040
636-458-3336 - home
mbauer@cityofwildwood.com

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bill.burke@oatesassociates.com

Jessica Perkins
Vector Communications

Breck Gastinger
Nelson Byrd Woltz

Oates Associates
Barb Anderson, RA
Jeff Rensing, PE
Phil Murphy, PE
Sam Wrigley

Goals & Background

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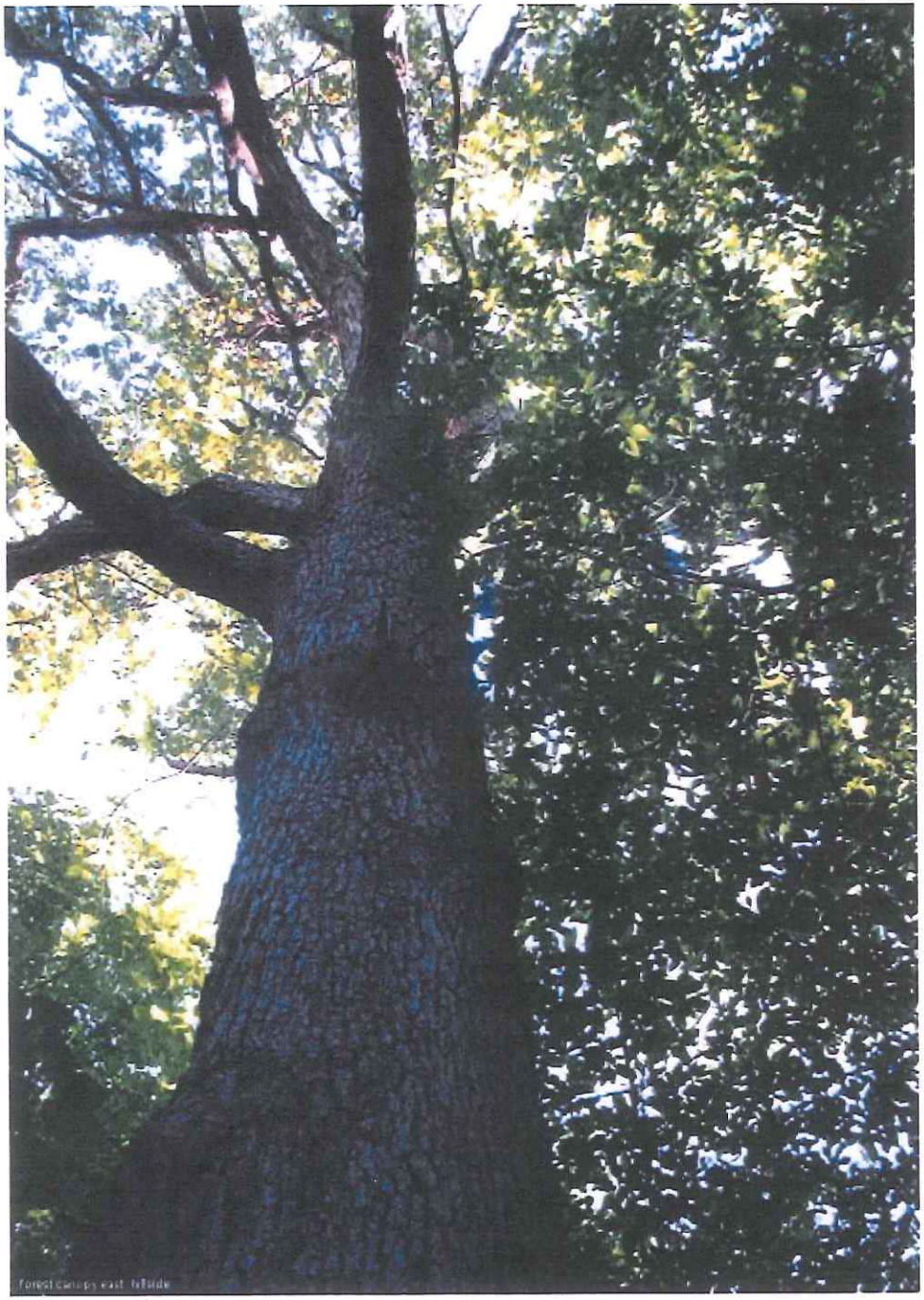
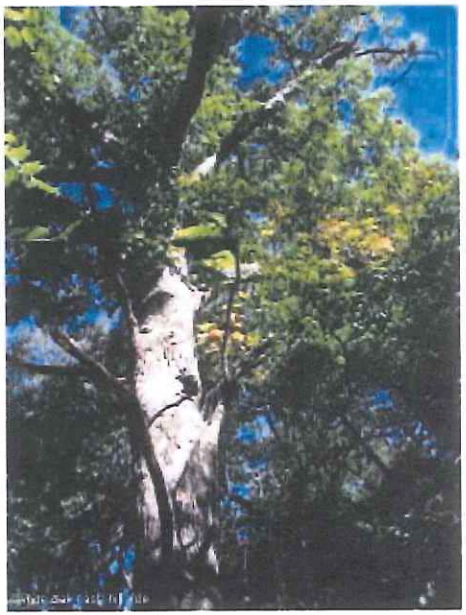
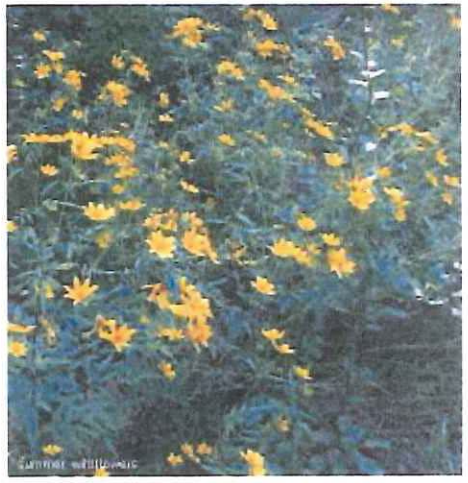




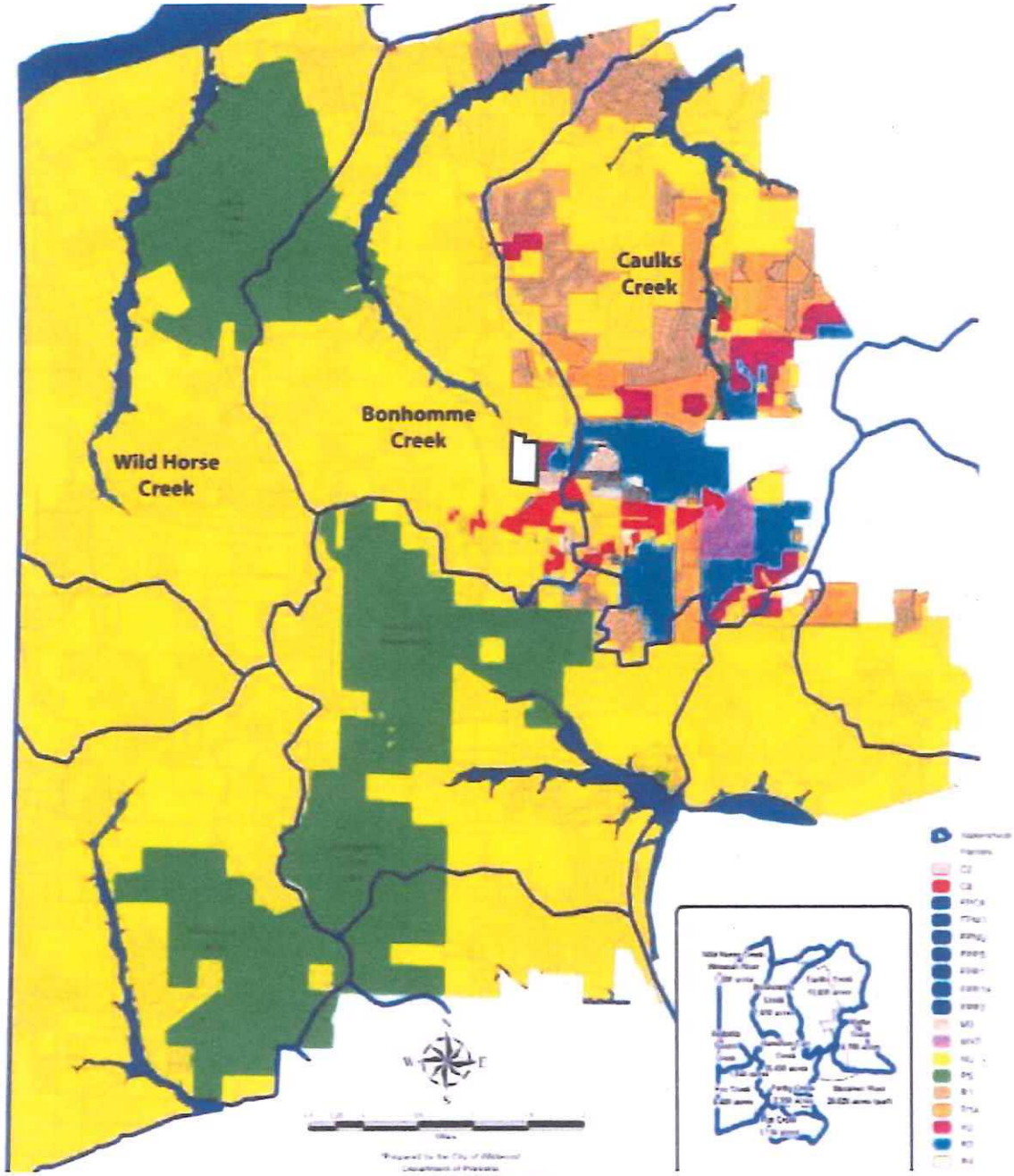


view south from old road entry at hwy 100

view east from old road entry at hwy 100

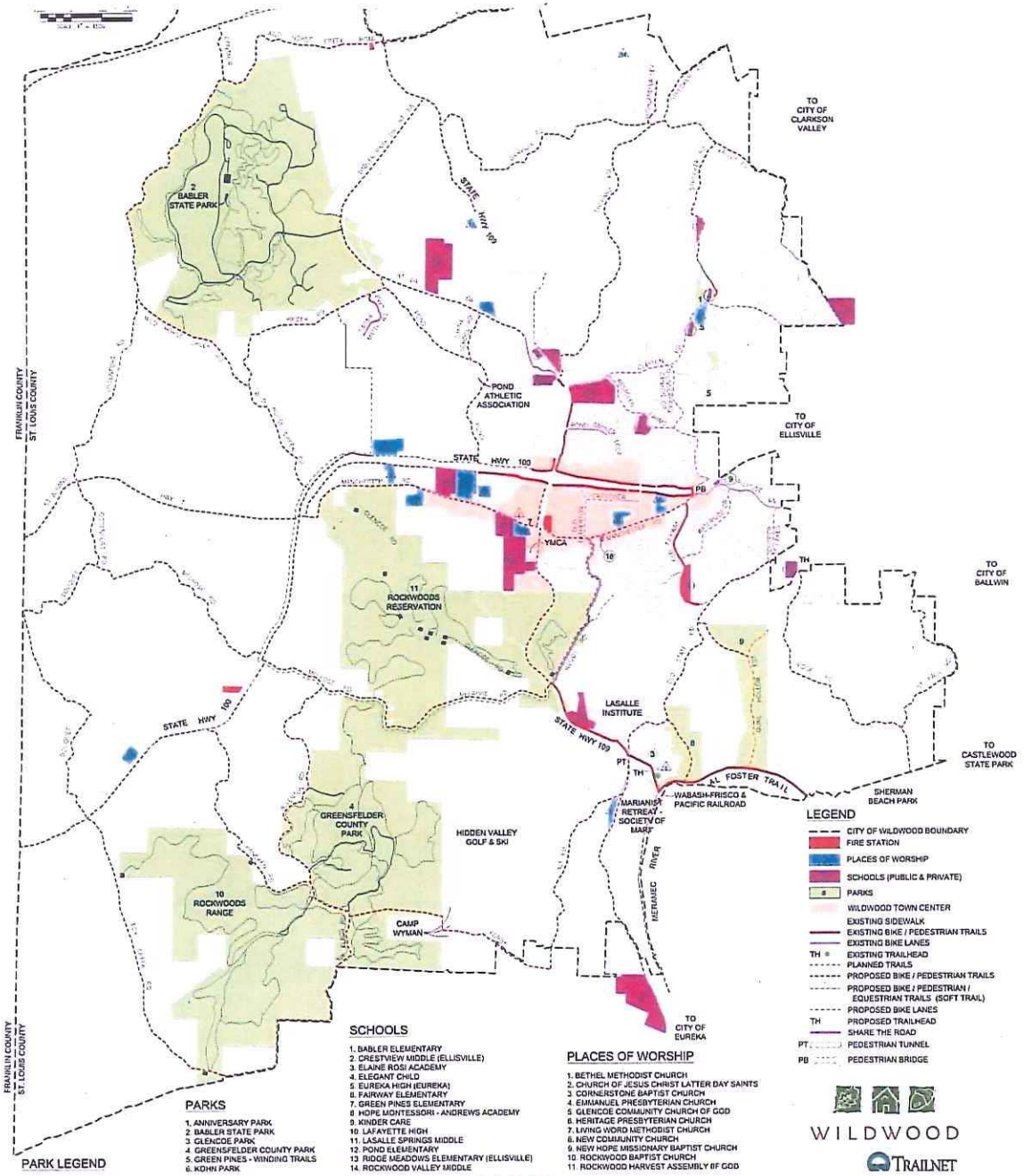
utility corridor northeast corner of site

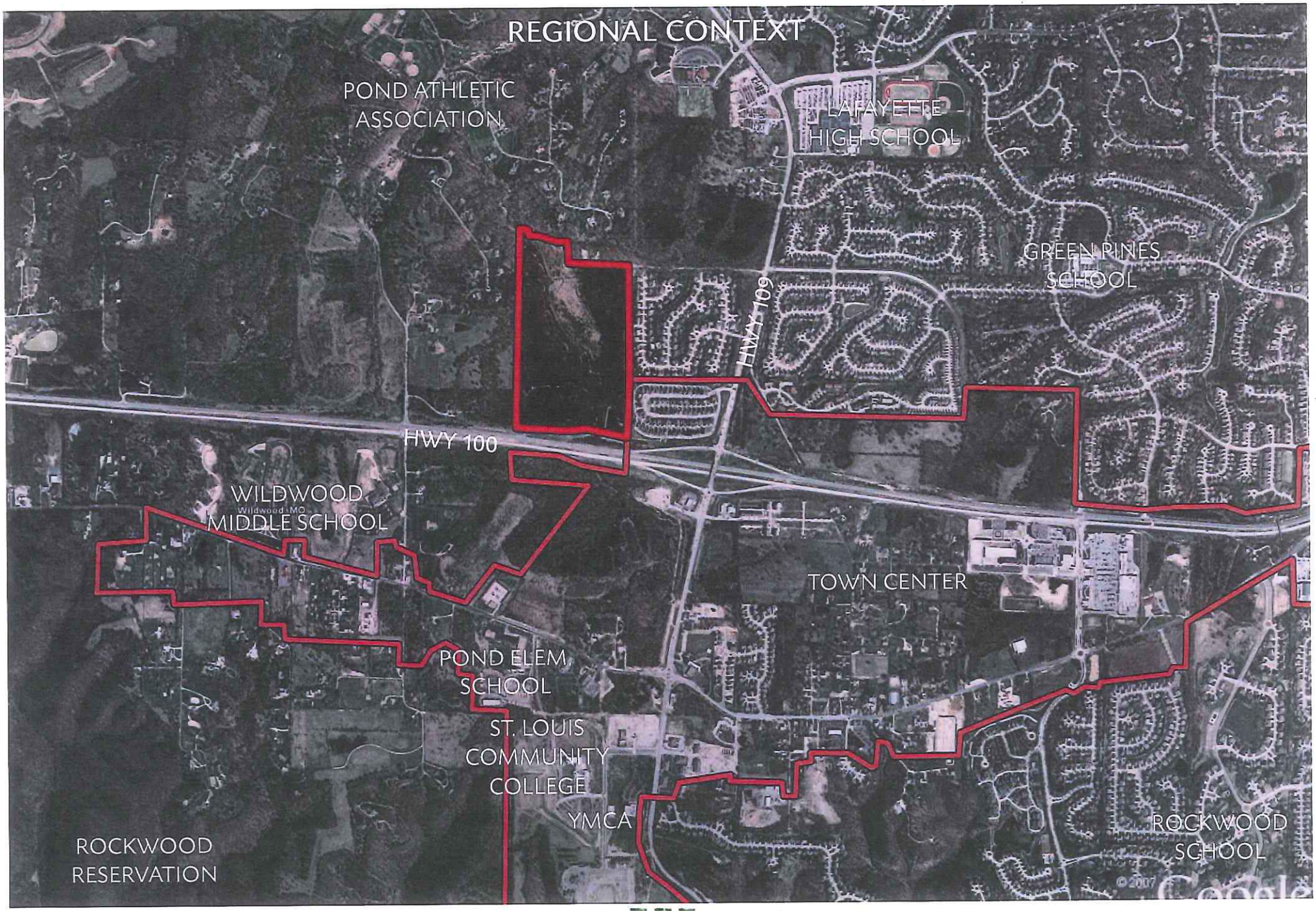
REGIONAL CONTEXT

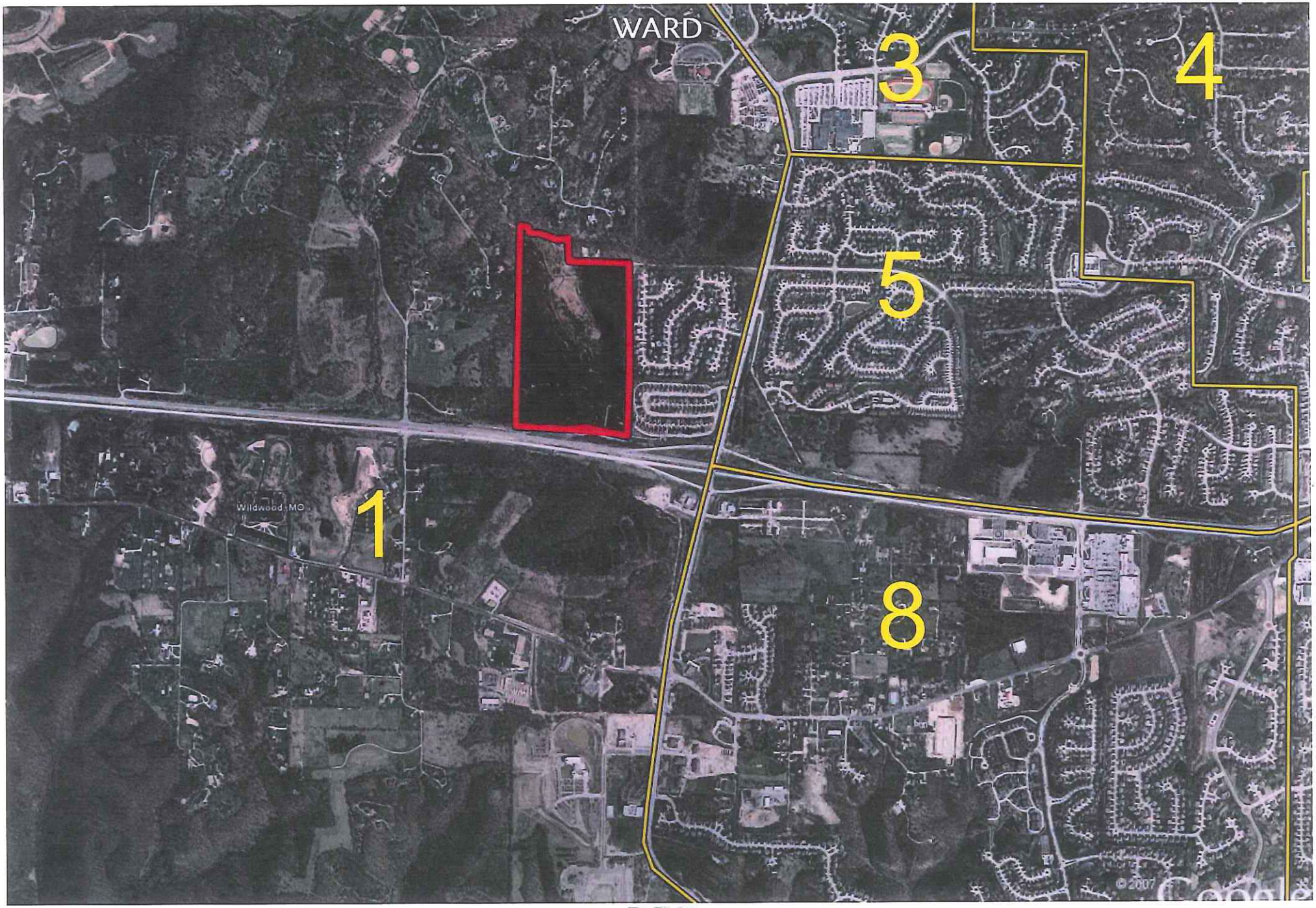


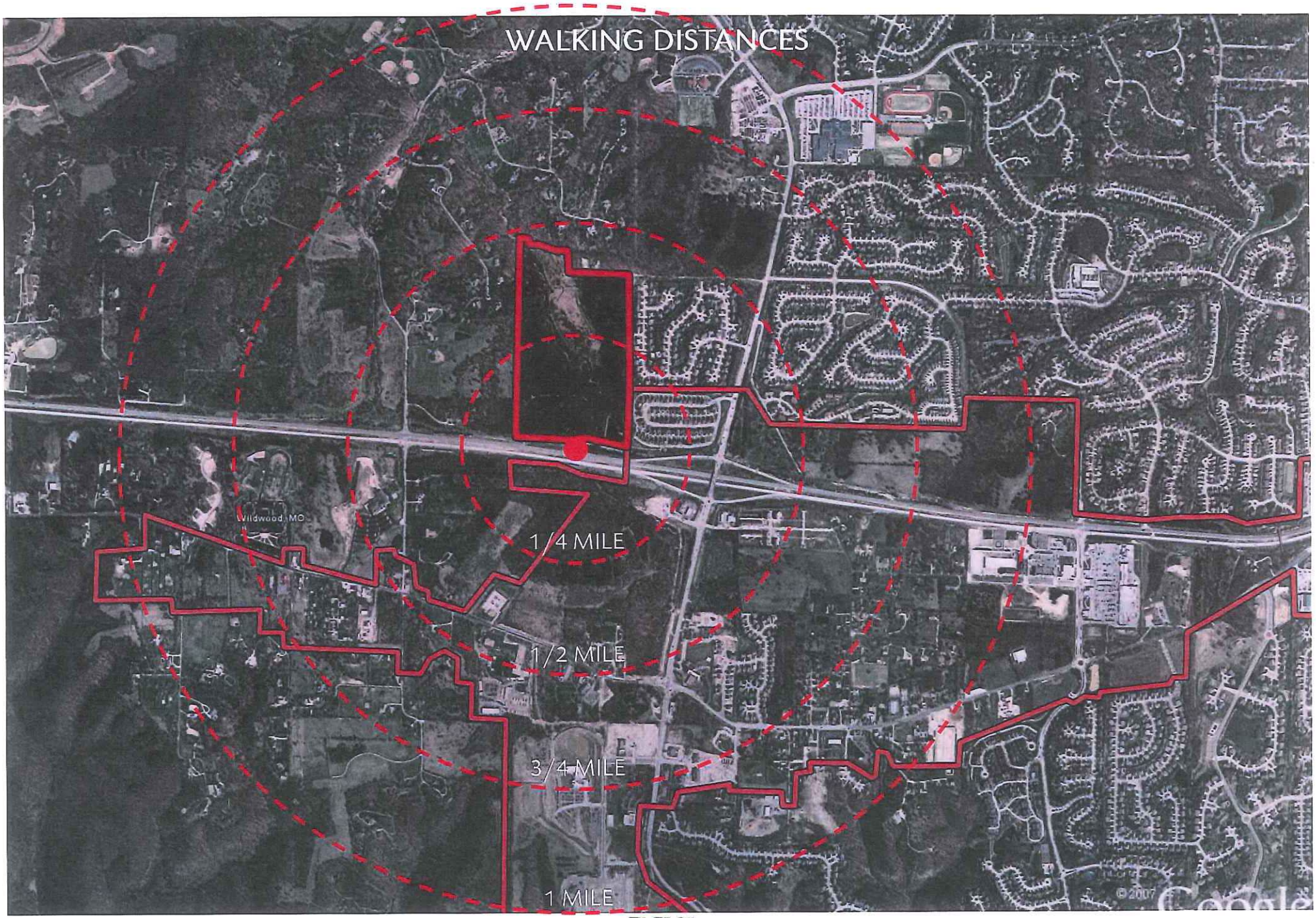
WILDWOOD

TRAILS MASTER PLAN




REGIONAL CONTEXT
POND ATHLETIC ASSOCIATION
LAFAYETTE HIGH SCHOOL
GREEN PINES SCHOOL
HWY 109
HWY 100
WILDWOOD
Wildwood, MO
MIDDLE SCHOOL
TOWN CENTER
POND ELEM SCHOOL
ST. LOUIS COMMUNITY COLLEGE
YMCA
ROCKWOOD SCHOOL
ROCKWOOD RESERVATION


WARD
3
4
5
1
8
Wildwood, MO
© 2007


WALKING DISTANCES
1/4 MILE
1/2 MILE
3/4 MILE
1 MILE

TREE COVERAGE circa 1958
+ SYCAMORES
WHITE OAKS +

TREE COVERAGE circa 1986

DECICUOUS TREE COVERAGE 2010

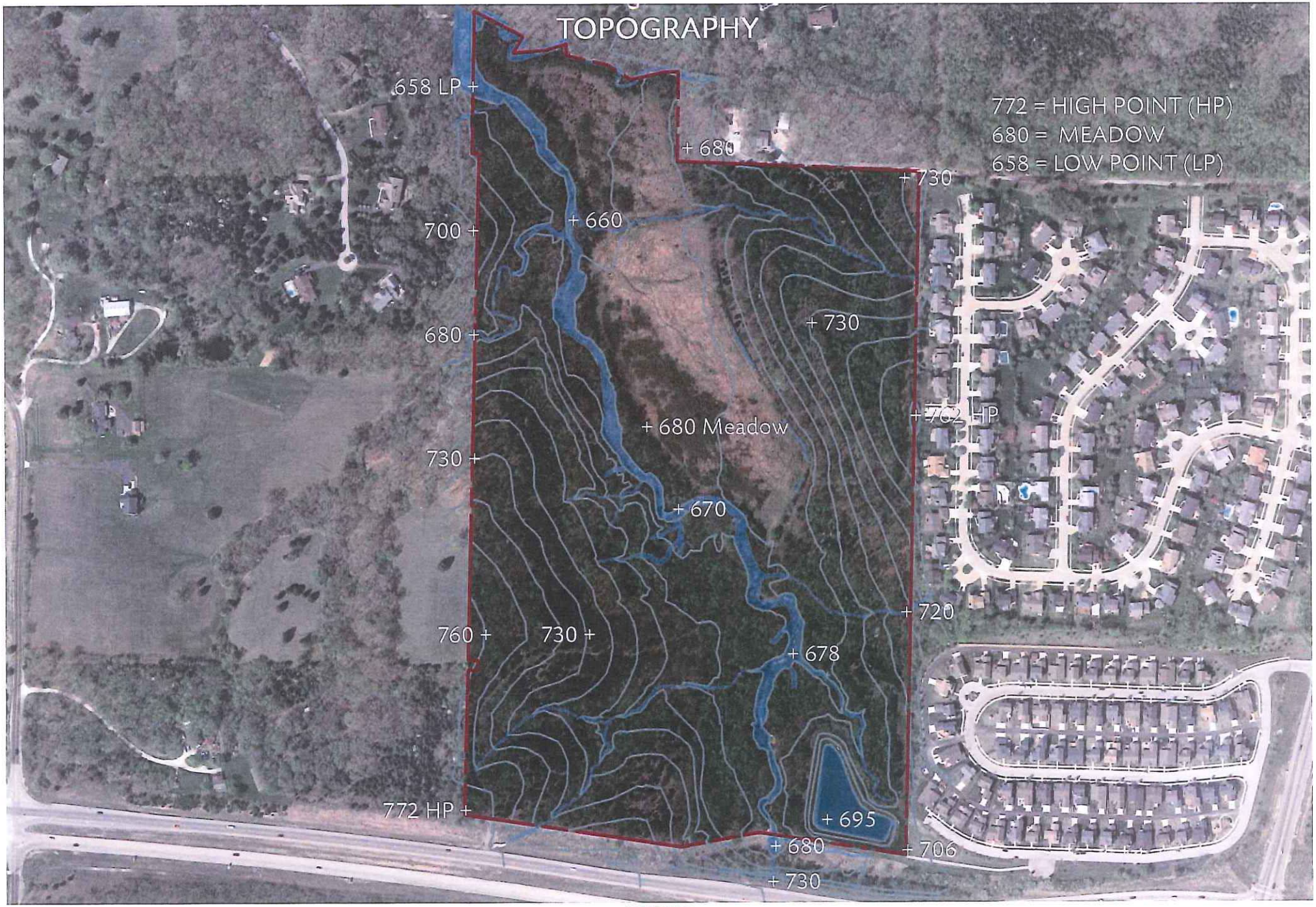
EVERGREEN TREE COVERAGE 2010
+ EASTERN RED CEDAR

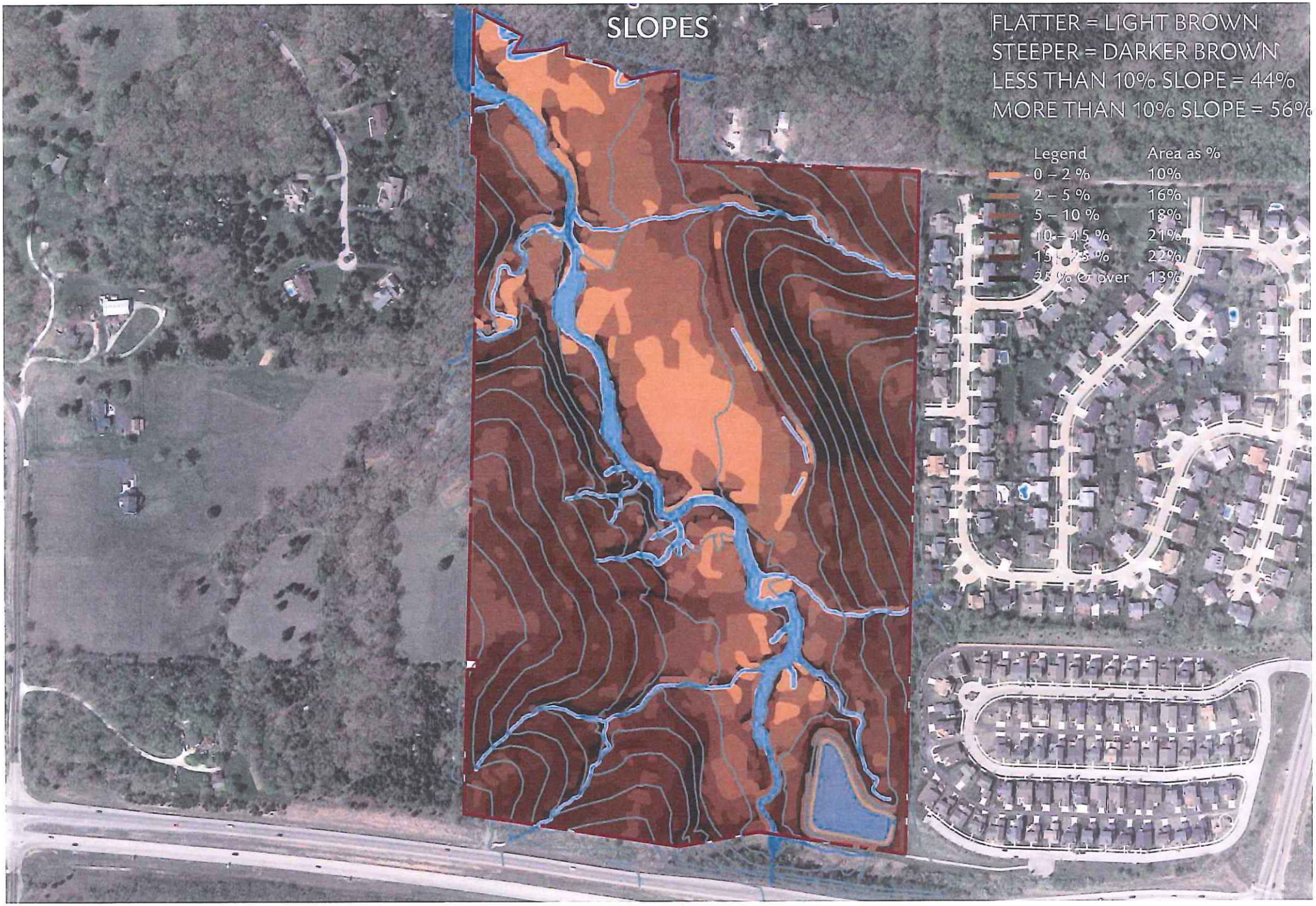
TREE COVERAGE 2010

SITE AERIAL PHOTOGRAPH

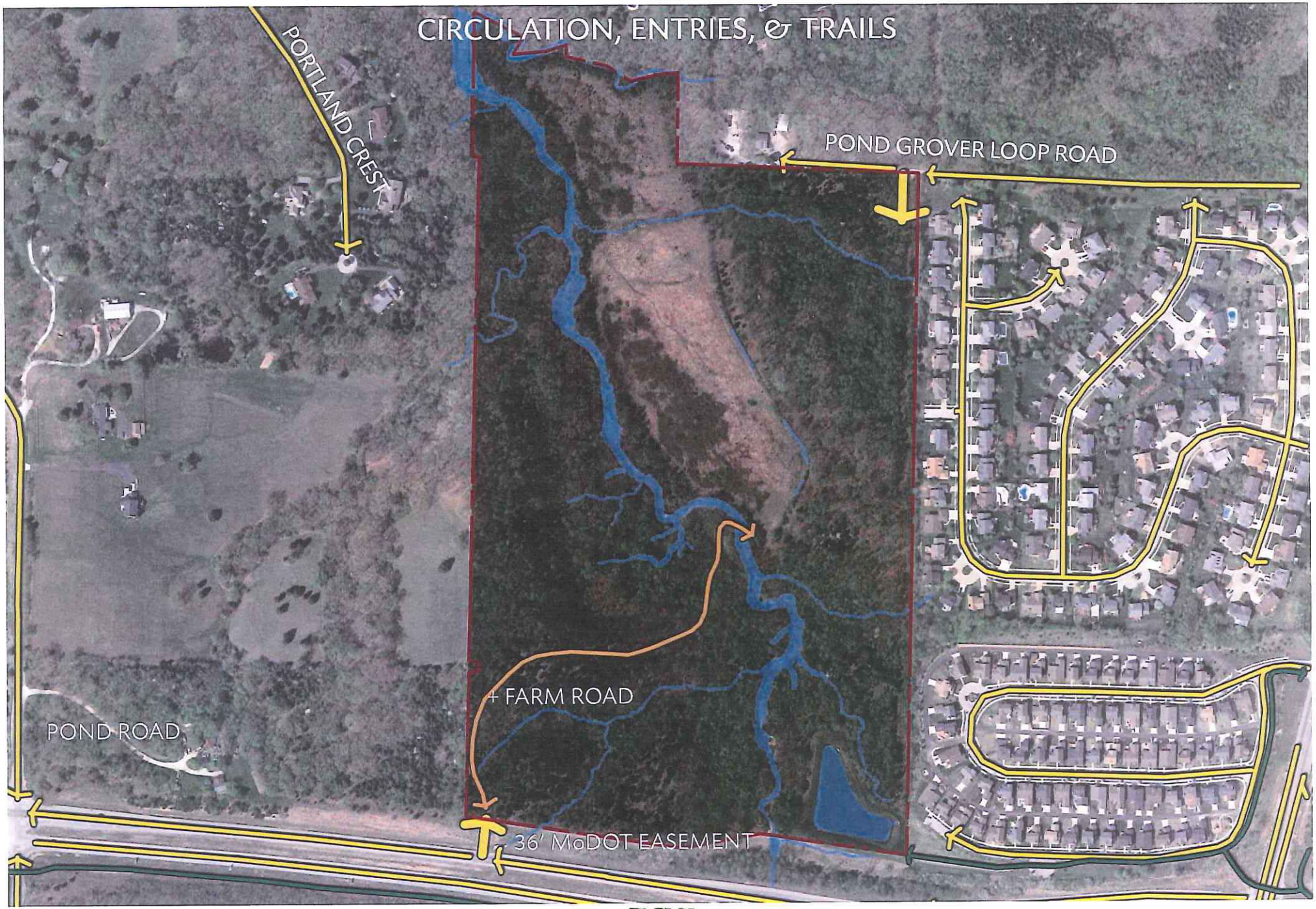
66 ACRES... SCALING GRID 208 x 208
SITE DIMENSIONS
1/4 MILE X 1/2 MILE
1,320' X 2,640' (roughly)
ACRE: 43,560 SF 208 X 2
ACRE

BonHomme Creek and Site Drainage
3/4 ACRE POND
3/4 + MILE LONG CREEK
+ SHELF ROCK
POND

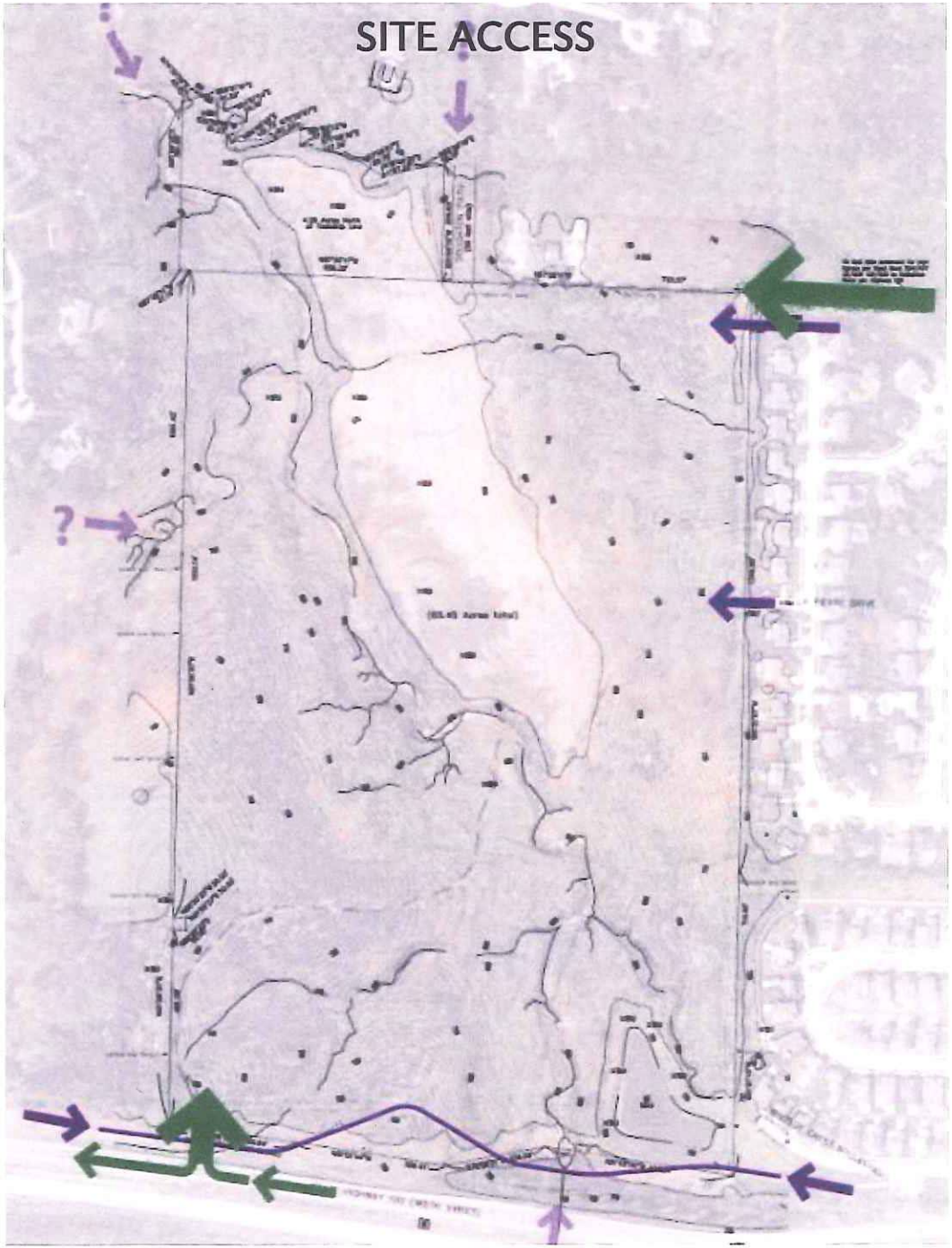

TOPOGRAPHY
772 = HIGH POINT (HP)
680 = MEADOW
658 = LOW POINT (LP)
658 LP +
+ 680
+ 730
700 +
+ 660
680 +
+ 730
+ 680 Meadow
+ 762 HP
730 +
+ 670
+ 720
760 +
730 +
+ 678
772 HP +
+ 695
+ 680
+ 706
+ 730


SLOPES
FLATTER = LIGHT BROWN
STEEPER = DARKER BROWN
LESS THAN 10% SLOPE = 44%
MORE THAN 10% SLOPE = 56%
Legend
Area as %
0 – 2 %
10%
2 – 5 %
16%
5 – 10 %
18%
10 – 15 %
21%
15 – 25 %
22%
25 % & over
13%

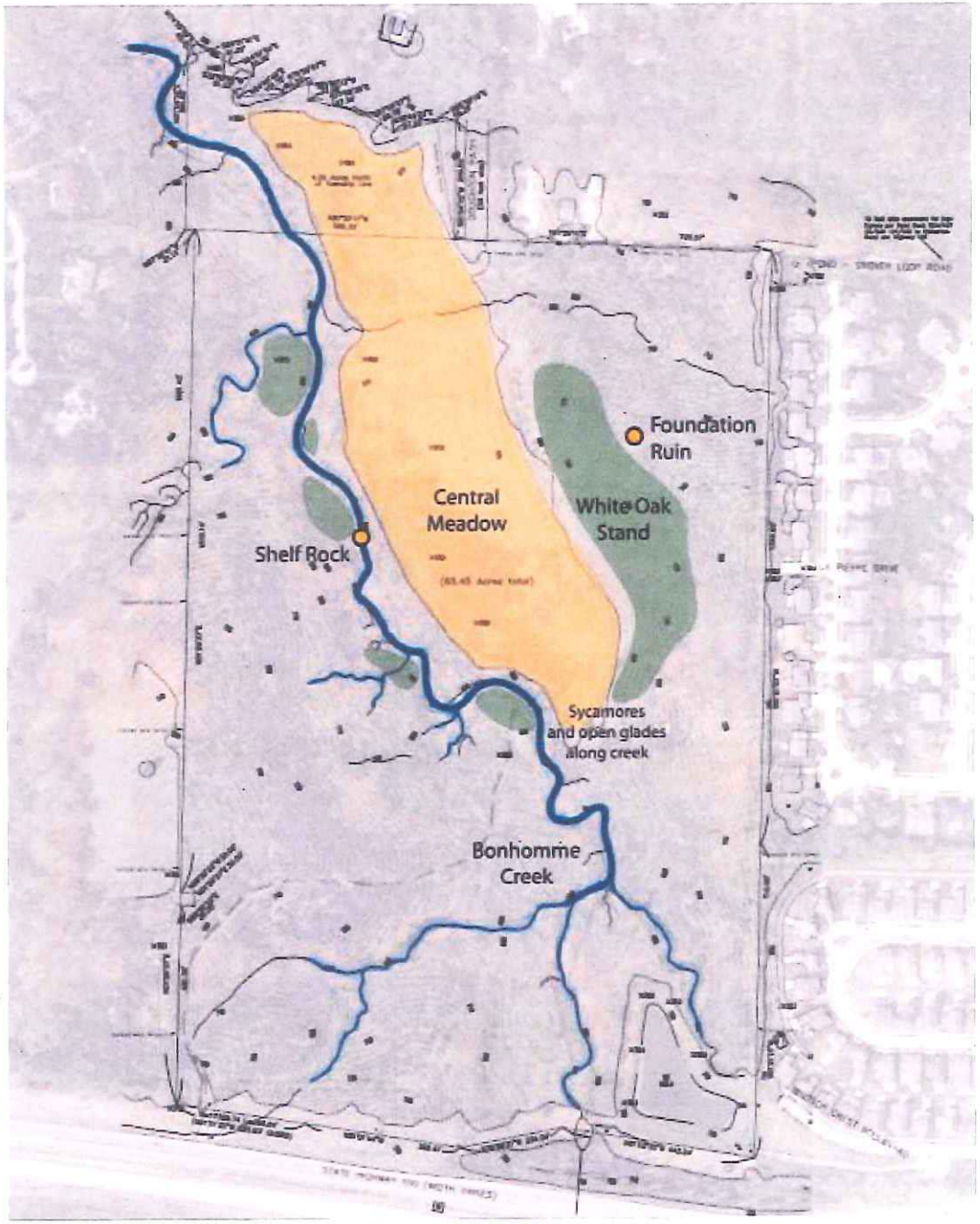
TREE HABITAT & COVERAGE
+ SYCAMORES
MEADOW
WHITE OAKS +
+ EASTERN RED CEDAR


CIRCULATION, ENTRIES, & TRAILS
PORTLAND CREST
POND GROVER LOOP ROAD
POND ROAD
FARM ROAD
36' MoDOT EASEMENT

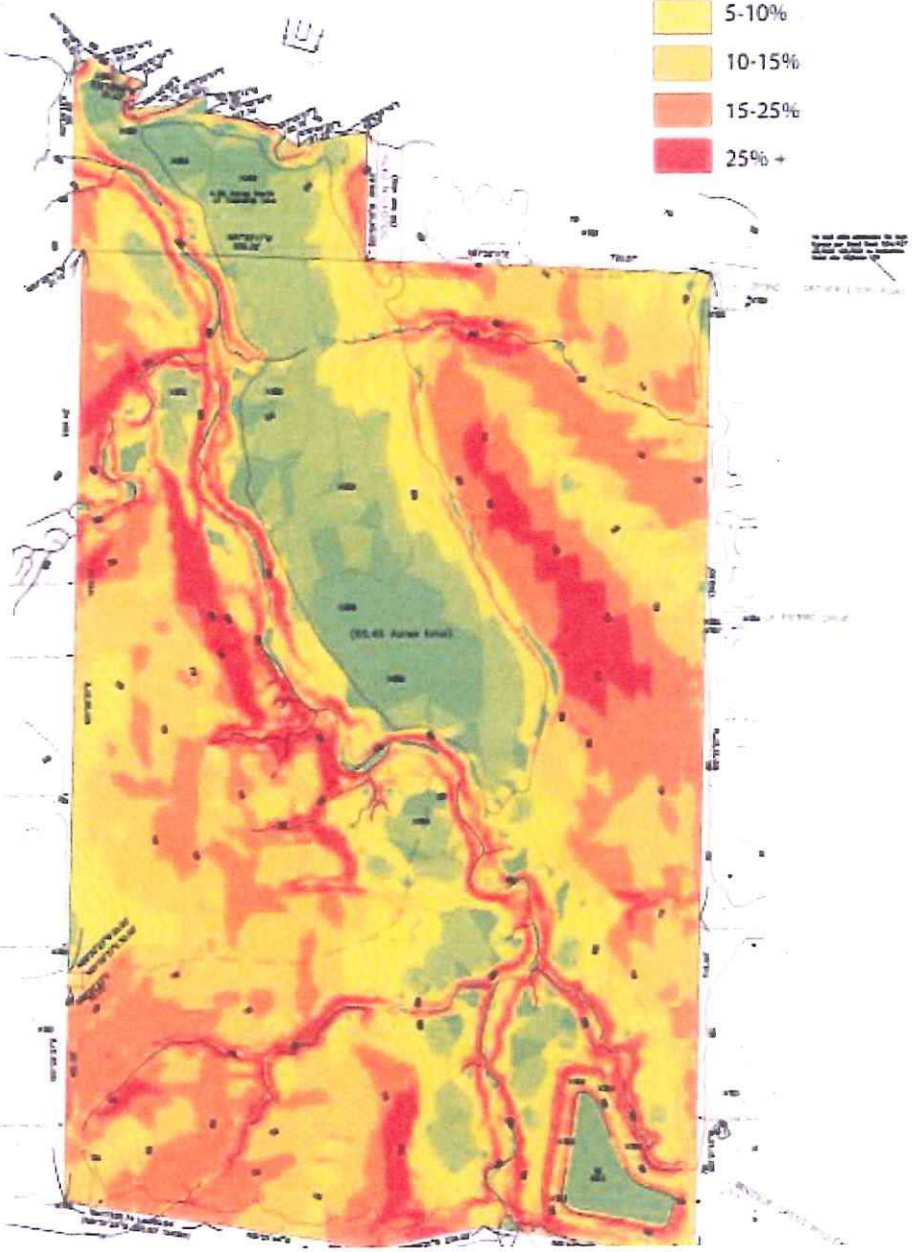
SITE ACCESS
Eatherton Road
Pond Grover Loop Road
Historic Route 66
Site Access
Wildwood Community Park Conceptual Plan


SITE ACCESS
?

SITE HIGHLIGHTS & ASSETS

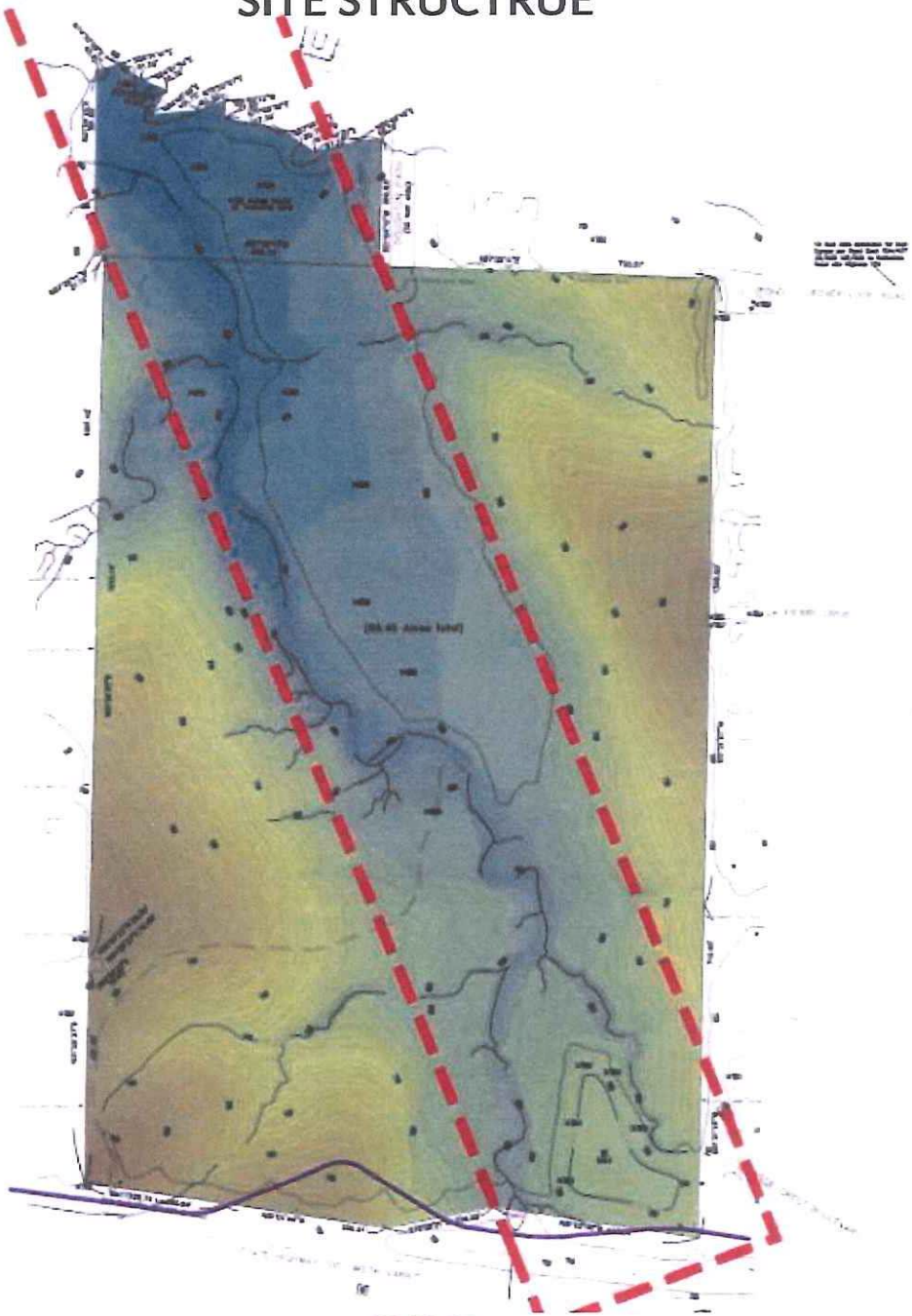


SLOPES



WILDWOOD

SITE STRUCTRUE



Goals & Background

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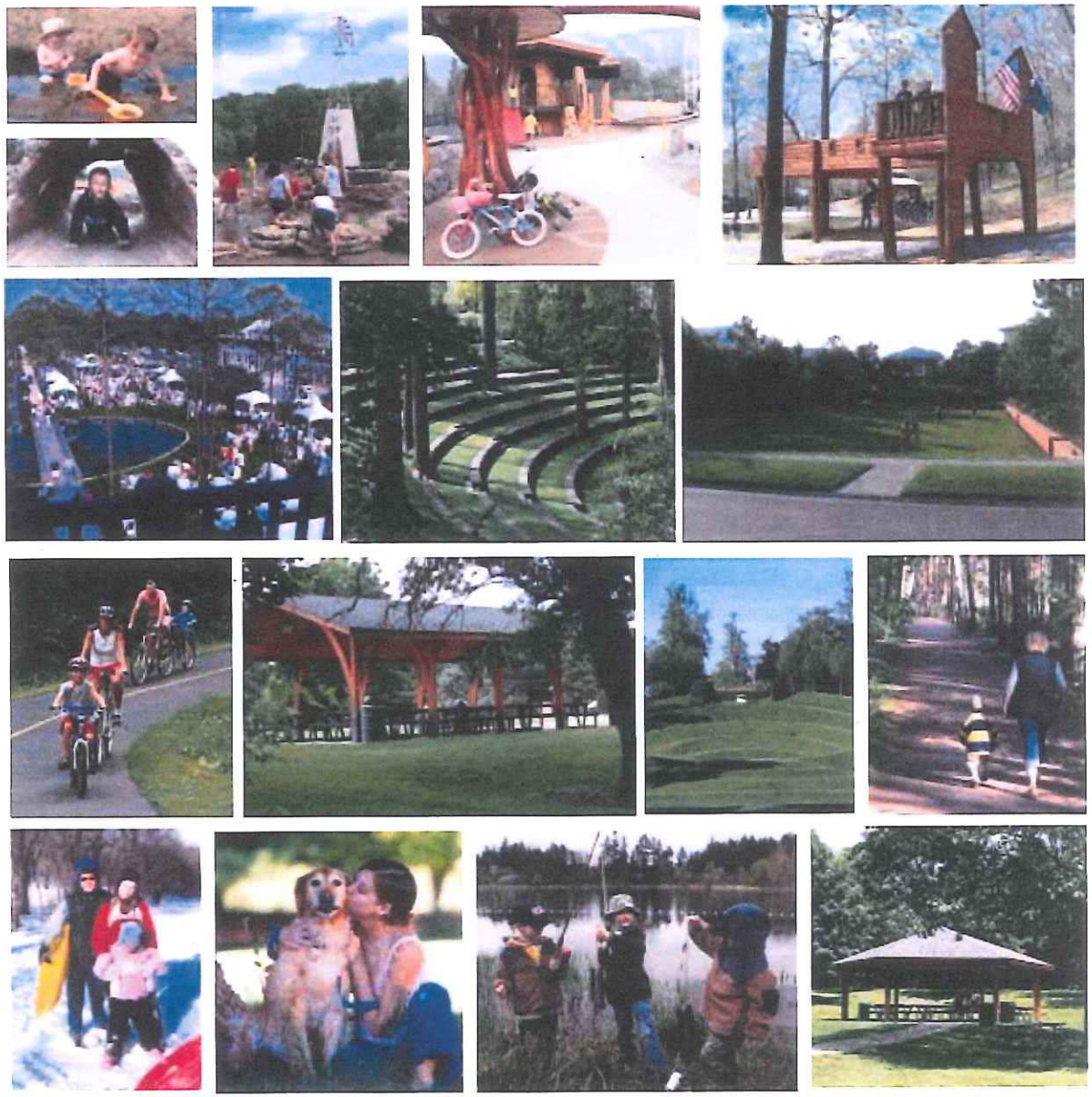
INITIAL PARK PROGRAM IDEAS

- Playgrounds
- Open Space Play Areas
- Natural Environment
- Community Gathering Place
- Multi-Use Trails
- Pavilions & Picnic Areas
- Fishing Lake
- Sledding Hills



ACTIVE AMENITIES – PRIMARY ELEMENTS
DECISION MAKING CRITERIA

ACTIVE AMENITIES
PRIMARY ELEMENTS

- Multi-Use Trails pedestrians & cyclists
- Sledding Hill
- School-age Playground
- Open Play Lawn
- Stocked Fishing Lake
- Single-Use Trails pedestrians
- Toddler Playground

PASSIVE AMENITIES
PRIMARY ELEMENTS

- Park Pavilions
- Trail Connections

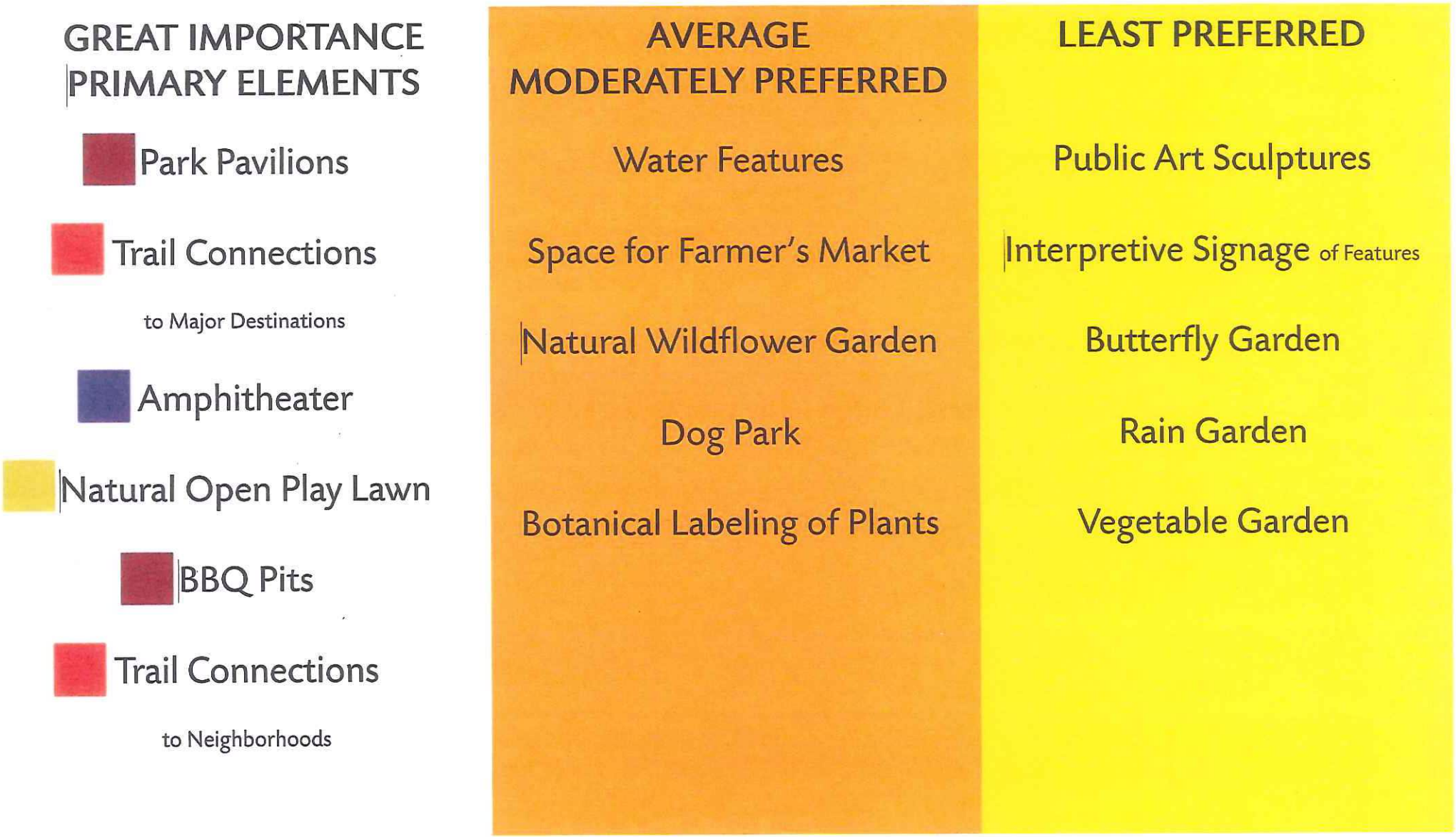
  to Major Destinations
- Amphitheater
- Natural Open Play Lawn
- BBQ Pits
- Trail Connections

  to Neighborhoods

ACTIVE AMENITIES – RESPONSES AT-A-GLANCE

GREAT IMPORTANCE PRIMARY ELEMENTS	AVERAGE MODERATELY PREFERRED	LEAST PREFERRED
Multi-Use Trails pedestrians & cyclists	Swimming Pool	Volleyball Courts
Sledding Hill	Basketball Courts	Rock Climbing Wall
School-age Playground	Tennis Courts	Fitness Stations
Open Play Lawn	Soccer Fields	Frisbee Golf
Stocked Fishing Lake	Special Needs Playgrounds	Ropes Course
Single-Use Trails pedestrians	Baseball Fields	Horseshoe Pits
Toddler Playground	Single-Use Trails cyclists	Skateboard Park
	Softball Fields	Equestrian Trails

PASSIVE AMENITIES – RESPONSES AT-A-GLANCE



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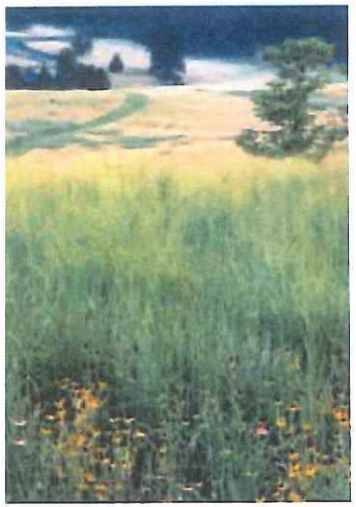
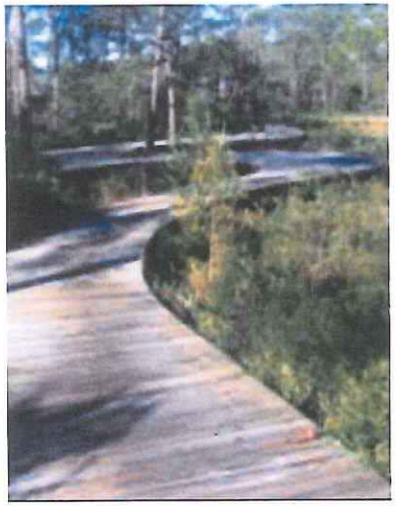
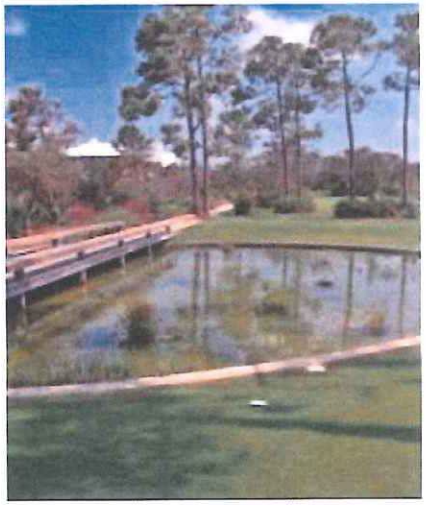
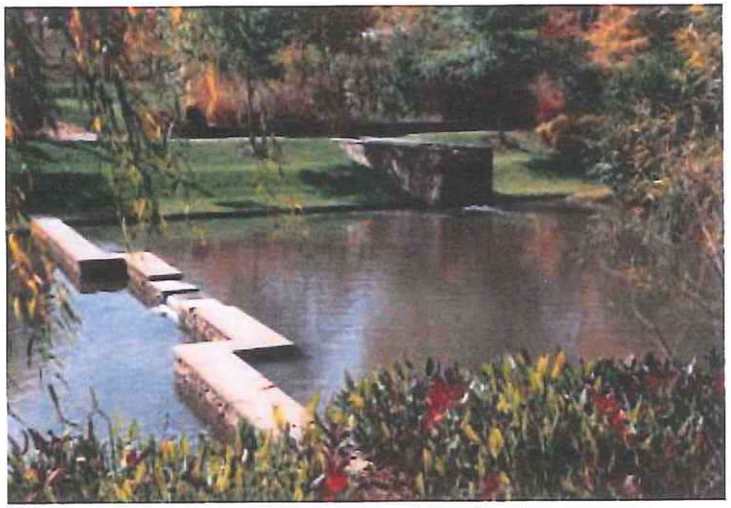
PLANNING PRECEDENTS & IMAGES

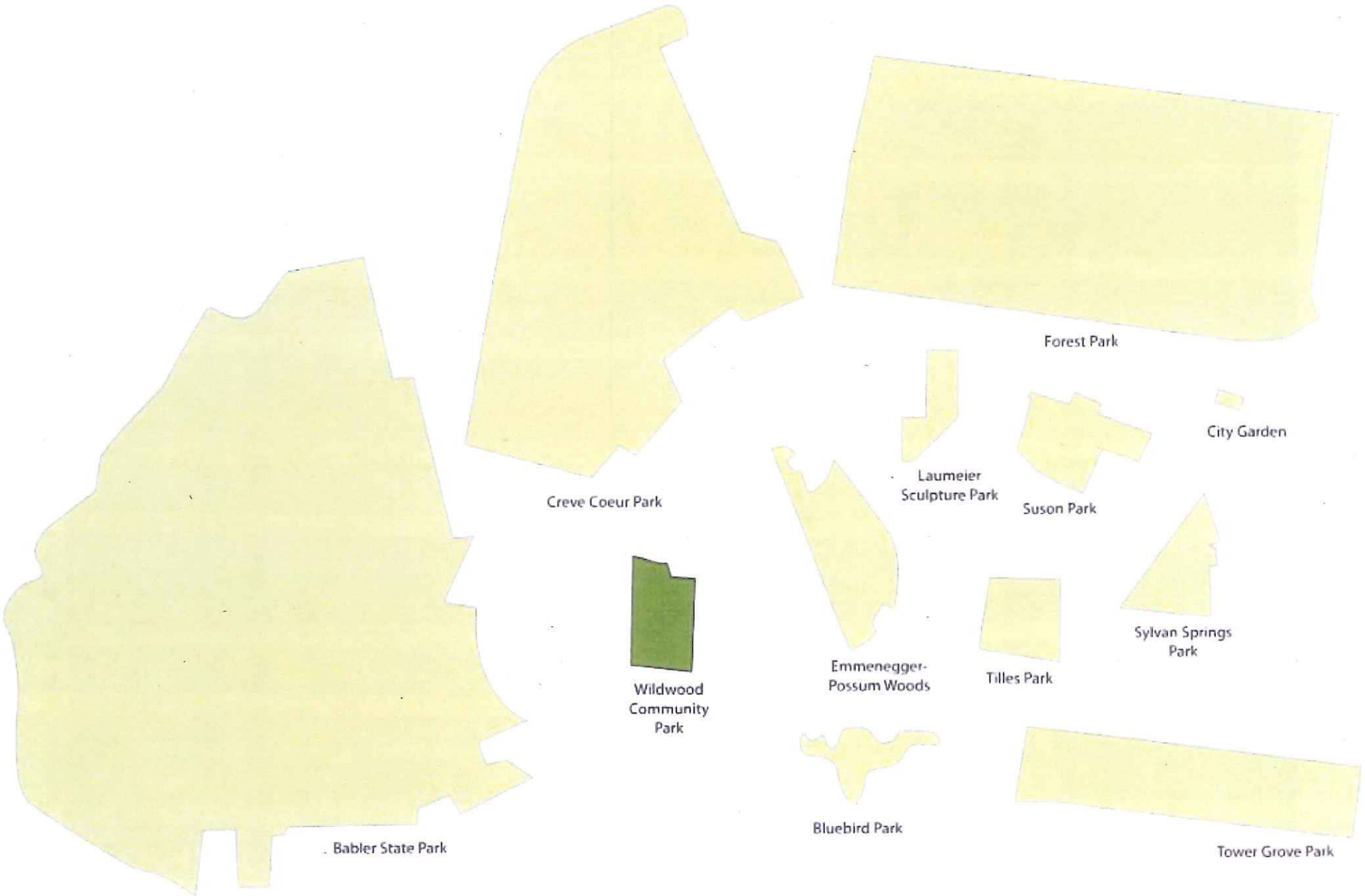







More Wild ⟷ More Urban

SCALE COMPARISONS



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CITIZENS COMMITTEE & SURVEY

Programming: Partner to provide a broad range of recreational services for a broad age group while avoid duplication.

Facilities: Expand commitments to the development of all types of trails and increase connections.

Acquisition: First action to be a parcel for a community park within the central city near 109 and 100.

Funding: Implement steps necessary to examine funding opportunities.

2007 CITIZEN SURVEY SUMMARY

Results used to evaluate the City's pars and recreation needs and determining how to address them in the future. Three thousand randomly selected Wildwood households were mailed the 2007 Citizen Survey, 1,020 responded.

Results:

- Active vs. Passive use of new parkland: **56% active and 44% passive**
- Park and recreation offerings to the **broadest audience possible**, although the focus should be on meeting the needs of Wildwood residents and not on creating a regional attraction.
- Acquiring additional greenways, open space and **parks should be prioritized over developing recreation center** for indoor activities.
- Parks should offer a **variety of activities** to many different level of users, from beginner to very advanced.
- Playgrounds and additional larger community or regional parks were consider essential or very important by nearly 2/3 of respondents.
- Nearly half of respondents felt it was essential or very important to provide additional hiking trails or more pocket parks. Over a third felt it was important to develop a fishing lake, additional bbq areas, dog park, etc...
- Integrate **passive play areas and natural open space areas** into new park designs.

Activities in Other Parks:

- Walking Paths
- Fitness Centers
- Playgrounds
- Hiking Trails
- Park Pavilions
- Swimming Pools
- Indoor Pools
- Bike Trails
- Outdoor Concerts and Plays
- Golf

Current Activities in Wildwood Parks:

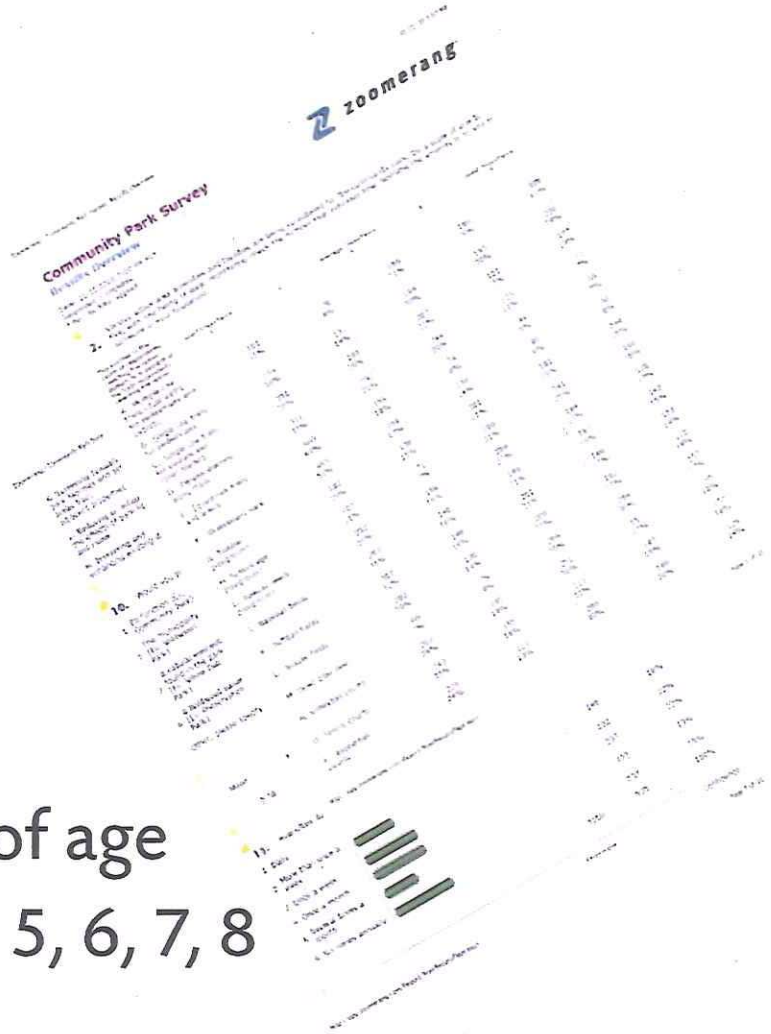
- Playgrounds
- Biking
- Hiking Trails

Importance of Park Amenities:

• Playgrounds	69%
• Natural Land / Open Space	60%
• Multi-Use Trails	56%
• Picnic Areas	52%
• Fishing Lake	39%
• Dog Park	27%

Funding: 52% supported tax increase, 66% general funds, 91% favored using grants and gifts, 47% favored user fees.

Survey Demographics:

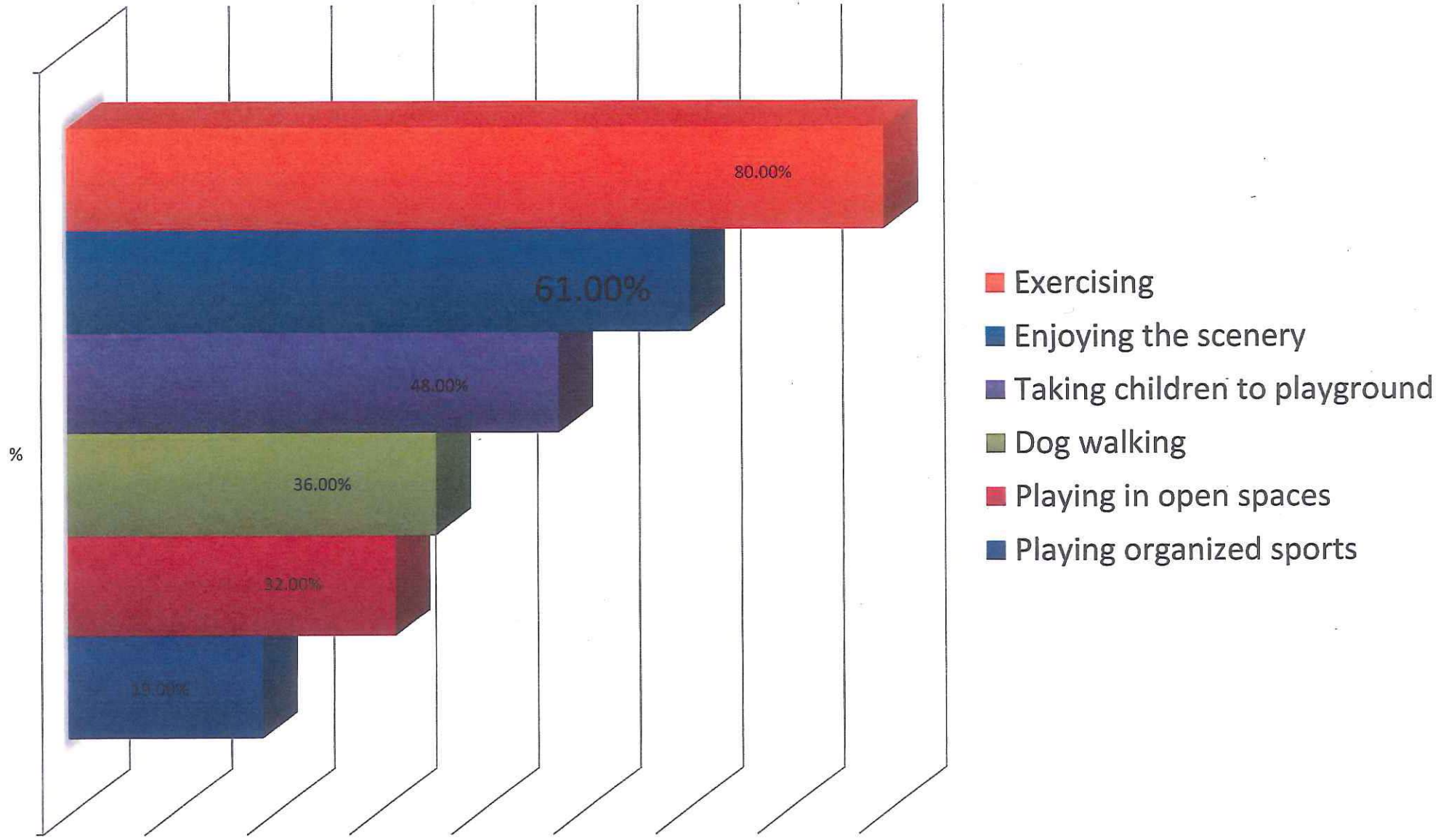


985 Respondents

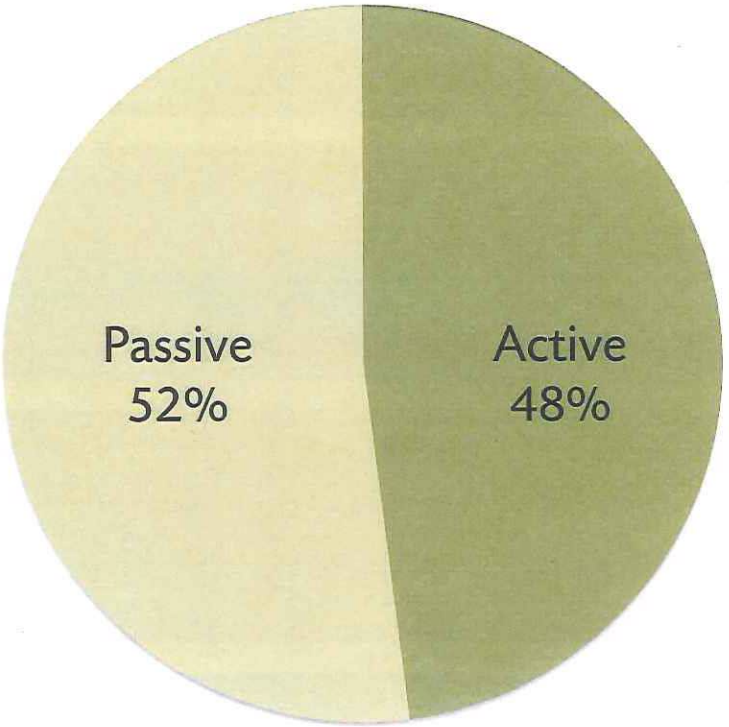
- 4% population; 9% households
- 53% live within a mile
- 40% frequent park users
- 65% have children
- 64% are between 35 and 54 years of age
- 40% identified as living in wards 4, 5, 6, 7, 8

2010 ON-LINE SURVEY RESULTS & DISCUSSION

CURRENT PARK USAGE



Respondents Desire Slightly More Passive Recreational Space



- 44% rated passive higher than active
- 24% rated passive equal to active
- 32% rated active higher than passive

2010 ON-LINE SURVEY RESULTS & DISCUSSION
HIGHLY PREFERRED ACTIVE AMENITIES

Active Amenities	Rating (5-pt scale)	% in Top 5
Multiple-use trails	3.72	53.4%
School-age playground	3.67	47.5%
Sledding hill	3.67	44.4%
Open play lawn	3.61	35.9%
Stocked fishing lake	3.33	42.7%
Single use trails for pedestrians	3.27	36.8%
Toddler playground	3.19	30.9%

2010 ON-LINE SURVEY RESULTS & DISCUSSION
HIGHLY PREFERRED PASSIVE AMENITIES

Passive Amenities	Rating (5-pt scale)	% in Top 5
Park pavilions with picnic tables	4.13	72.3%
Trail connections to major destinations	3.80	51.1%
Outdoor amphitheater for concerts	3.72	54.4%
Natural open spaces (unprogrammed)	3.69	44.1%
BBQ pits (located near pavilions)	3.65	44.8%
Trail connections to neighborhoods	3.61	53.1%

2010 ON-LINE SURVEY RESULTS & DISCUSSION
HIGHLY PREFERRED PASSIVE & ACTIVE AMENITIES

Wildwood Community Park On-Line Survey
Responses at-a-Glance

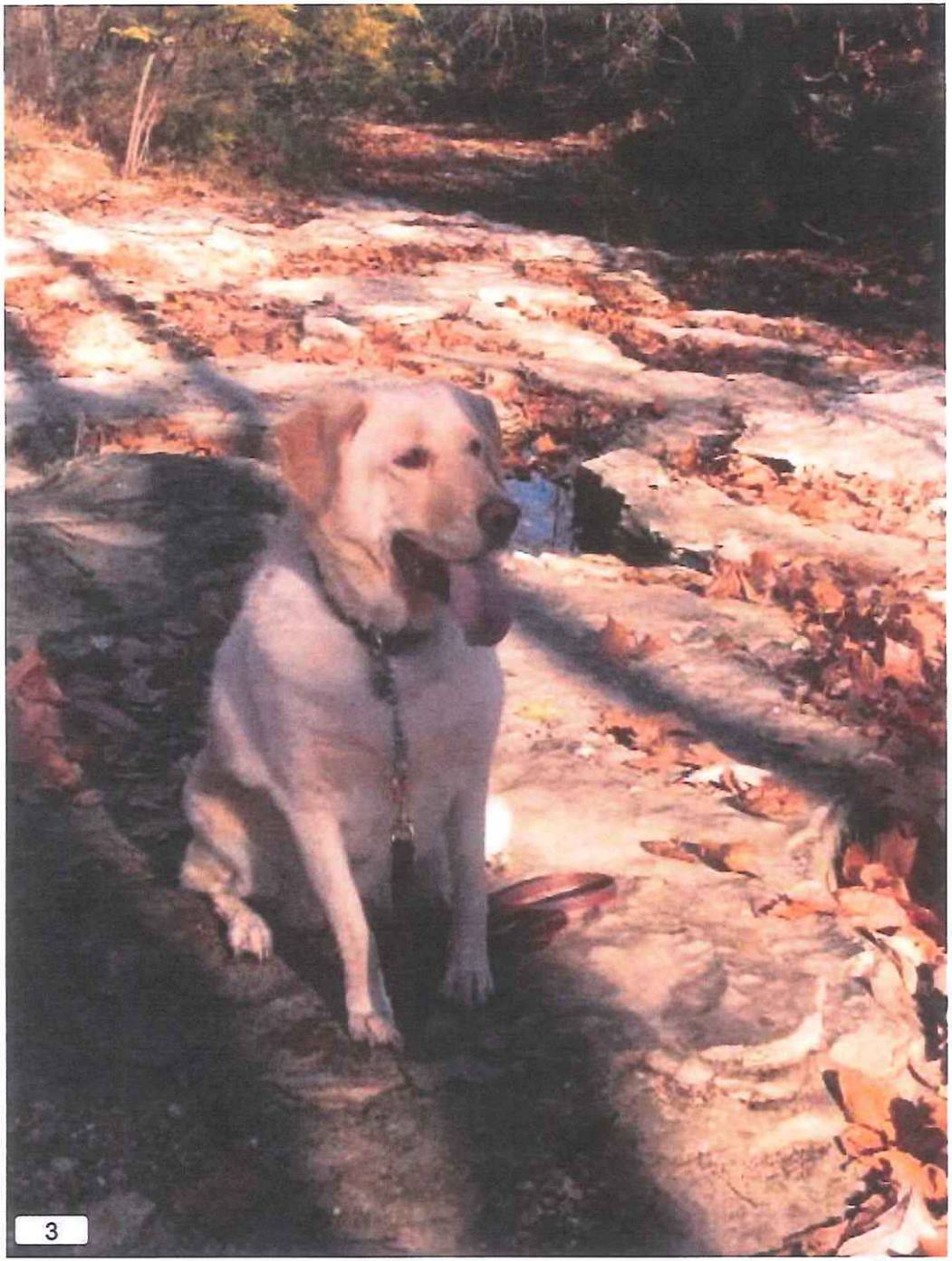
Category	Amenity or Principle	Rating (5 is high)	Top 5
Active	A. Multiple-use trails (dual paths for pedestrians and cyclists)	3.72	53.4%
Active	H. School-age playground	3.67	47.5%
Active	U. Sledding hill	3.67	44.4%
Active	M. Open play lawn	3.61	35.9%
Active	V. Stocked fishing lake	3.33	42.7%
Active	B. Single use trails for pedestrians	3.27	36.8%
Active	G. Toddler playground	3.19	30.9%
Active	O. Tennis courts	2.90	19.9%
Active	P. Basketball courts	2.90	14.4%
Active	L. Soccer fields	2.82	17.6%
Active	I. Special needs playground	2.78	11.0%
Active	J. Baseball fields	2.75	16.9%
Active	C. Single use trails for cyclists and roller bladers	2.70	21.2%
Active	K. Softball fields	2.69	13.8%
Active	N. Volleyball courts	2.67	11.3%
Active	Q. Rock climbing wall	2.57	11.8%
Active	D. Fitness stations along trails	2.47	11.2%
Active	T. Frisbee golf	2.37	9.0%
Active	R. High and low ropes course	2.31	8.6%
Active	S. Horseshoe pits	2.27	7.1%
Active	F. Skateboard park	2.10	12.1%
Active	E. Equestrian trails and arena	1.71	9.0%
Passive	E. Park pavilions with picnic tables	4.13	72.3%
Passive	B. Trail connections to major destinations	3.80	51.1%
Passive	D. Outdoor amphitheater for concerts	3.72	54.4%
Passive	G. Natural open spaces (unprogrammed)	3.69	44.1%
Passive	F. BBQ pits (located near pavilions)	3.65	44.8%
Passive	A. Trail connections to neighborhoods	3.61	53.1%
Passive	L. Water features	3.32	36.9%
Passive	P. Space for farmers' market	3.02	31.6%
Passive	J. Natural wildflower garden	2.86	22.7%
Passive	C. Dog park	2.78	34.4%
Passive	N. Botanical labeling of plants	2.75	9.0%
Passive	M. Public art sculptures	2.53	10.4%
Passive	O. Interpretive signage of ecological features	2.53	5.3%
Passive	I. Butterfly garden	2.47	11.5%
Passive	H. Rain garden	2.39	7.0%
Passive	K. Vegetable garden	2.08	7.5%

Wildwood Community Park On-Line Survey
Responses at-a-Glance

Category	Amenity or Principle	Rating (5 is high)	Top 5
Other	Restrooms	4.61	N/A
Other	Lighting	4.30	N/A
Other	Benches	4.29	N/A
Other	Drinking fountains	4.11	N/A
Other	Directional signage (overall park)	3.61	N/A
Other	Directional signage (along trails)	3.61	N/A
Other	Mileage markers (along trails)	3.50	N/A
Other	Bike racks	3.36	N/A
Other	Information kiosks	2.65	N/A

STAKEHOLDER INTERVIEWS SYNOPSIS

- Wildwood YMCA: room for expansion and continued partnership
- Chesterfield: developing more athletic fields, dog park, & amphitheater
- Eureka: feasibility study for a community center, playgrounds, pavlilions
- Ellisville: trail master plan and new playgrounds, continued partnership
- Ballwin: aquatic center, water play, stocked lake program, teens gym use
- Great Rivers Greenway: developing the Western Greenway
- Open Space Council: consider teens, trails and open space preservation
- St. Louis County Parks: consider maintenance, water features, pavilions
- Neighborhood Meetings: consider buffers and pedestrian connections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Group M:
Photo 1:
This picture is coming out of the creek bed looking northwest about ½ way into the site. There is a path at this location that follows the north side of the creek to the pond. The elevation is slight and the walk is very nice.

Photo 2:
Lizzie really liked the shelf rock in the creek. She also mentioned that a dog park would be greatly appreciated. This part of the creek is beautiful. Plus it is in the middle of the site and easily accessible.

Photo 3:
At this location, several hundred feet northwest of the shelf rock area, there is severe creek bank erosion. What are our plans for these areas (there are many) from a bank protection and risk management perspective?

Photo 4 & 5
Here, just northwest of the old farm road, a large tree has fallen due to creek bank erosion and the tree makes the creek impossible to pass through. How do we plan on maintaining the creek as far as being able to walk it? Do we plan on keeping fallen trees removed?

Photo 6 & 7
These were just two of my favorite shots. The creek is a critical part of the site and the meadow provides so many opportunities.

Photo 8
This is just an area of concern. All over the site, and mostly in the creek bed or adjacent to it, there are remnants of dumping. The site will have to be combed for debris like this. Some of it is partially buried.

Group A:
Photo 1:
Like: Flat – good for ball fields

Photo 2:
Like: Good area for nature trail

Photo 3:
Like: Meadow area – great area for open field area – ball field, soccer, football area

Photo 4:
Like – North Fork: Off of … – trail area

Photo 5 & 6:
Meadow area looking south and north – good common area

Photo 7 & 8:
East side/midway: Good area for sledding

Photo 9 & 10:
Southeast corner: Good area for nature trail

Photo 11 & 12:
Like – southeast corner: North of pond – like pond – fishing?

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GROUP B:
Photo 1: Like – Creek

Photo 2: Like – Creek

Photo 3: Shelf Rock
Keep – trail run along (natural)

Photo 4: Flat
Easy development area

Photo 5: Like – Trees
Preserve

Photo 6: Like – flat

Photo 7: Houses
Natural buffer

Photo 8: Like – development area
Original trail

Photo 9: Like – open spaces

Photo 10: Like – slope (NE)
Amphitheatre

Photo 11/12: Like – open

Photo 13: Like – pond
Develop fishing lake. Great water feature.

Photo 14: Like – water
Expand…

Photo 15/16: Dislike – Access/100
Limited, right in-right-out, compensate for access off 109

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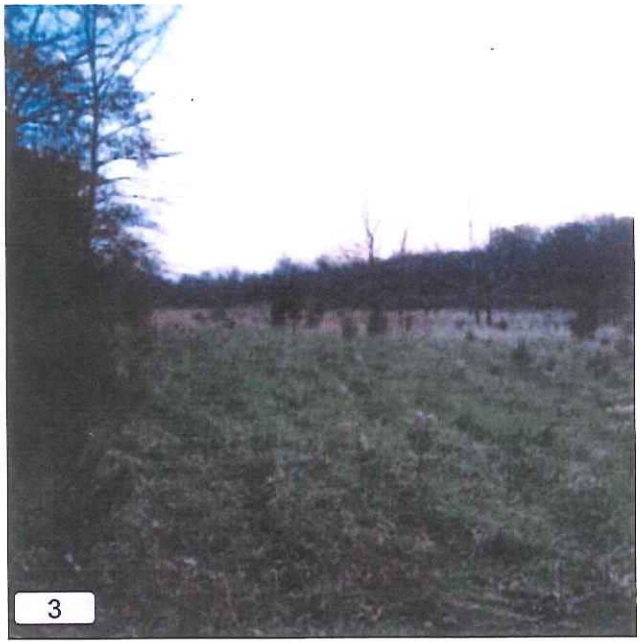
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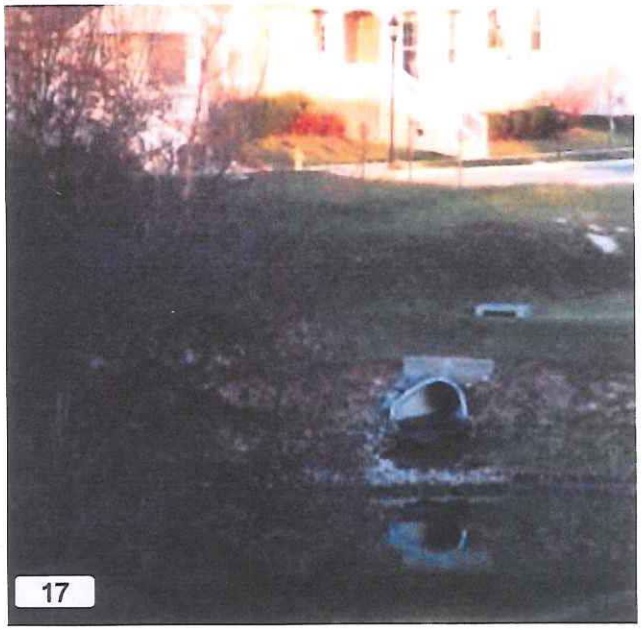
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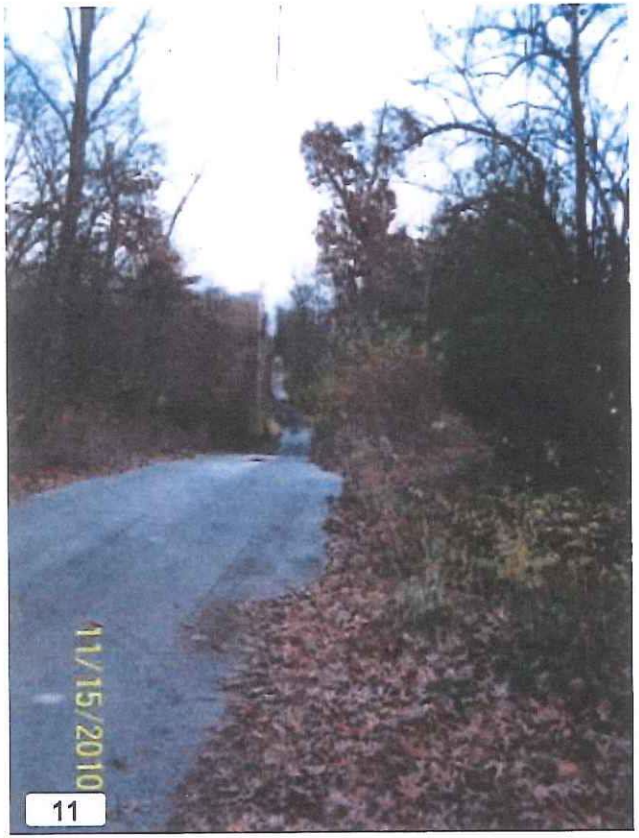
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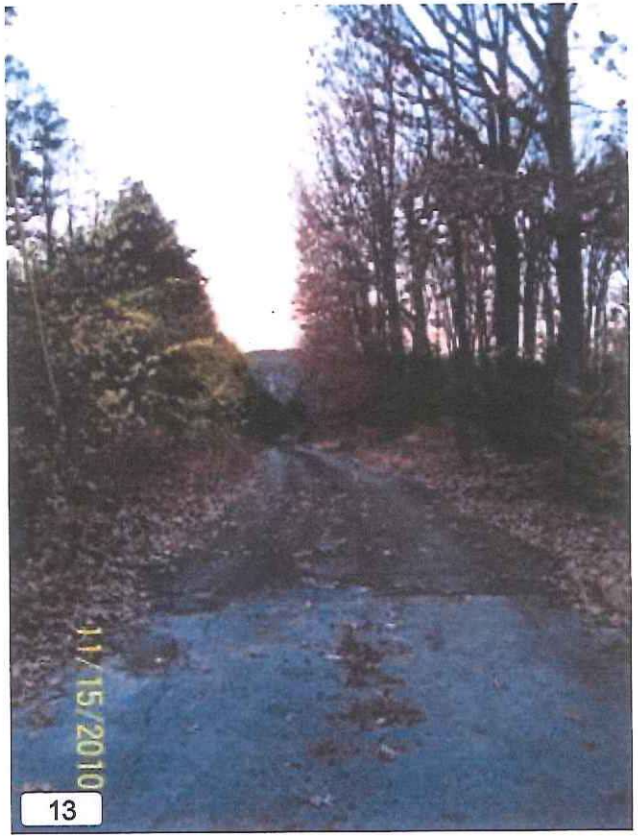
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GROUP B THUMBDRIVE

Photos 1 & 2: Pretty Level Most Northern Area of Site (approximately 3 acres).
Believe with a little excavation, this section of the site lends itself well for the multi-age play ground, Dog Park, maybe a small pavilion for picnic BBQ area.

Photos 3, 5, 6: Meadow Area (standing on the E side of the meadow looking SW, W, & NW).
Love the expansive field area lending itself well to have a multi-use community gathering area, undesignated (un-programmed) use for open fields for all types of sports, BBQ Bashes, Farmer's Market, etc...

Photos 7 & 8: Four (4) Trees in Middle of Meadow with Drainage Ditch.
Leave the trees, but redirect the drainage ditch if possible with low cost.
Possibly have a very large pavilion with universal amenities under the 4 trees.

Photo 9: Looking E from Possible 2nd Road Entrance / Access into Park on the S Side of Park Site.
With much clearing of under brush, like this area for picnic, BBQ pits (no pavilions) & natural walking trails.

Photos 10 – 14: Entrance looking E & W on Kress Road at the utility access for Lafayette Trails Subdivision. (There are 2 pictures looking East on Kress Rd).
Like Kress Rd. / Pond Grover, but it will be costly to do the needed repairs to widen the rd. Do not like that it's very open to Lafayette Trails Subdivision – photo 14.

Photos 15, 15A, 16: Sledding Hill – Edge of Park Site – S Side.
Believe that this is a very nice sledding hill, having to do very little to clean up under brush. Do not like that it has a drainage ditch going across the middle of the hill – possible to fix inexpensively?

Photos 17 & 17A: Drainage Culvert from SW Corner of Lafayette Trails Subdivision.
Dislike that there is an open type of culvert drainage open to the E side of boundary of property that has washed out a huge ravine. (Photo 17 used is the exact same type of culvert drain at WC Subdivision. Photo 17A shows drainage ditch on site.)

Photos 18, 18A, 19: WC Retention Pond for Fishing Pond.
Like that this lends itself very well to a fishing pond. Dislike the look – maybe alter with minimal cost?

Photo 20: Major Creek at SW End of Meadow
The creek itself is awesome; however, dislike all the debris in the creek (Great opportunity for community service item to clean out creek.)

Photos 21 & 22: Areas along Creek on W Side of Park Site.
With the steep slopes on W side of park site, use some of this area for trails & natural open spaces.

Photos 23 & 24: SIDE THOUGHT FOR SMALL FUND RAISER:
With all the fallen wood in the park, if appropriate, could possibly bundle and sell for fire pit and or fireplace usage. The wood has to be cleared away anyway.

TOP PRIORITIES FROM 2 SURVEYS ---- ACTIVE AND PASSIVE USAGE:
*Pavilions with Picnic Tables, BBQ Pits
*Play Ground Area for All Age Children
*Multi-Use Area for Community Gathering, BBQ Bashes, Farmer's Market, etc...
*Natural Open Spaces
*Sledding Hill
*Fishing Pond
*Dog Park (~2nd most item listed in survey across the USA)

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Group C:
Photo 1: Like
Big sycamore

Photo 2: Like
Shelf rock along creek. Leave creek natural-soft trails only.

Photo 3: Like
Leave some grasslands along edge of meadow for wildlife habitat.

Photo 4: Like
Leave some natural for buffer to subdivision

Photo 5: Like
Leave south end natural for wildlife habitat.

Photo 6: Like
Clearing at end of farm road near creek. Picnic spot? Camp ground? Trail head?

Group D
Photo 1: Cress Road
Checking boundaries between road and site

Photo 2: Lafayette Trails
Checking buffer between subdivision and site. These could be natural areas and/or soft trails.

Photo 3: Park Vista (homes in distance)
Just an overview of site.

Photo 4: area to east of parking
Many ravines cut through area – walking trails? Maybe small pavilion

Thoughts: leave creek area natural
Tuck pavilions, etc on gentle slopes

Group E THUMBDRIVE
Photo 1: SE corner of meadow by the creek
Big open area – good for a field / open play area for soccer / football / Frisbee / etc. No specific sports fields.

Photo 2: west of meadow
Good area for a hiking trail – too steep for anything else

Photo 3: edge of property near Lafayette Trails
Existing retaining wall – maybe a border for a trail

Photo 4: far NW end of property
Good area for a parking lot with an entrance off of 109

Photo 5: NW corner by creek
Great place for a suspension bridge/trail head for a trail up the hill

Photo 6: west side by creek
Great place for a bridge over creek bed

Photo 7: ridge line on west side of property
Great flat area for a ridge line trail

Photo 8: great for a trail along the creek

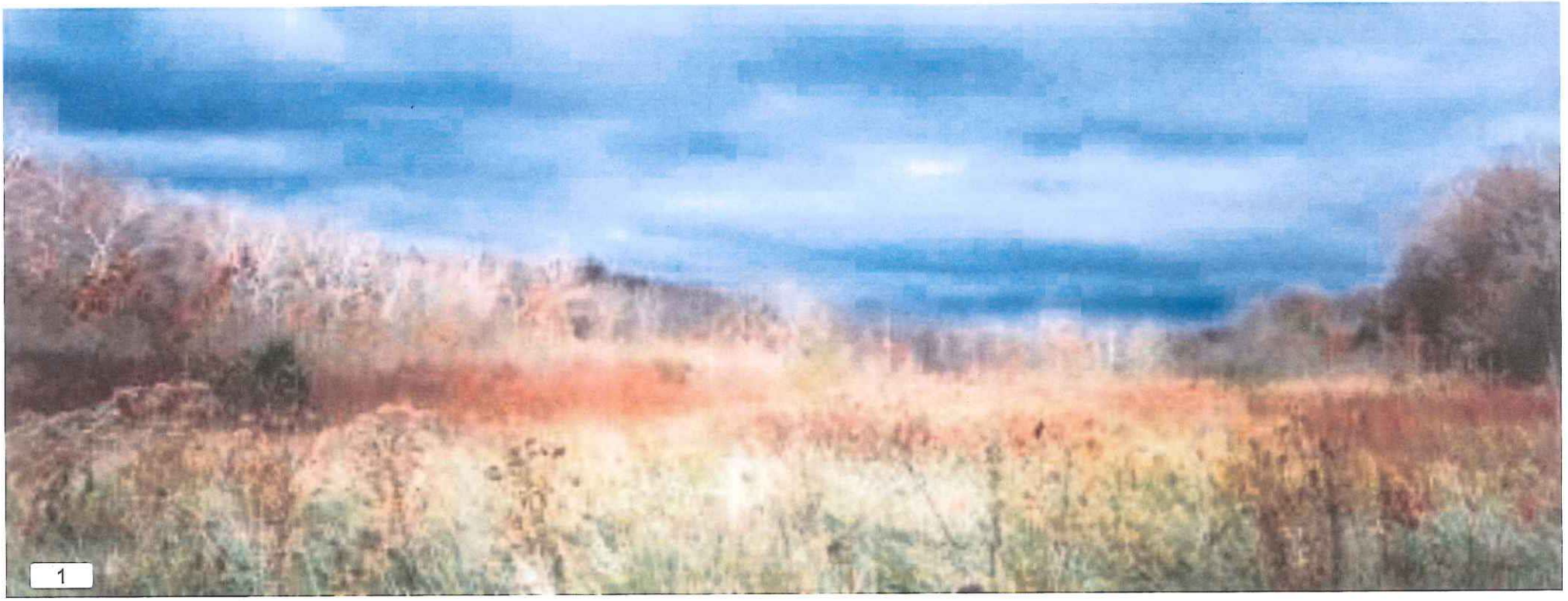
Photo 9: slate area in creek
Great area for a bridge over the creek to connect a trail to the meadow

Photo 10: Farm Road and creek
Good place for a big bridge over the creek – possibly a handicap accessible trail down the farm road from the meadow

Photo 11: pond
Good for small fishing pond – needs some work around the edges and landscaping

Photo 12: meadow
Peaceful feeling – nice and flat – good for playground – maybe a big wooden one?

Photo 13-14: Queeny Park
This is an open play field at Queeny Park. Something like this would be great in the meadow.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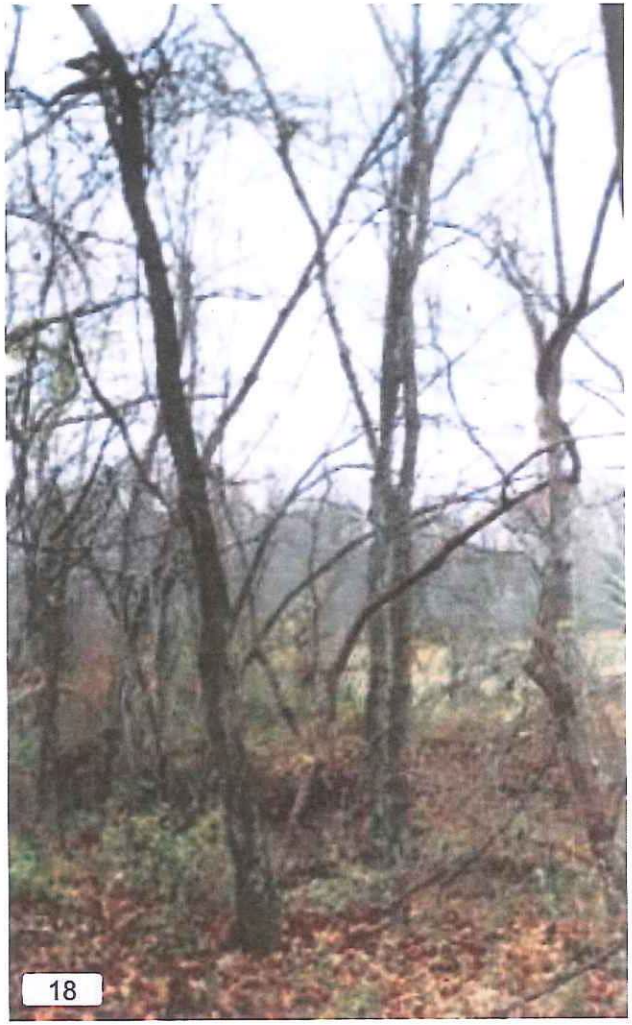

GROUP E:

Photos 24/25: Like – Meadow border north and south
Great open flat land, broad and long

Photo 22: Like – Meadow – wend end slope
Northern edge is great for a potential amphitheater as there is already a slope for seating

Photo 21: Like – west meadow
Great for parking and baseball

Photo 20: Like – northwest creek bed
Beautiful

Photos 16/17/18: Like – creek bed
Great hiking trails, cool ridge on west side of creek

Photo 15: Like – retention pond
Bring it out thru the valley to the west to extend pond and make it look more natural

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GROUP G:

A - Comment Only: I marked this site because although obvious – I thought it was worth mention that here is where signage MUST go! It comes up quick after 109 and proper signage will help! B – Comment only: Lots and lots of noise from Highway 100 – another statement of the obvious! C – Comment only
Just literally saw 4 deer – they ran across the "drive way" path. Love the wild life – nature preserve is a draw here!

Photo 1: Like: Similarity of trees on both sides of walk-way / drive way – it makes for a Christmas tree (holiday) type feel – this would be a beautiful type of landscape somewhere.

Photo 2: Dislike: Don't like all the skinny dead or stick trees and branches – it may just be the time of year though

Photo 3: (indifferent): Not sure if I like or dislike this spot in the photo – I thought it was something to note though – how the land is cleared out in a "U" shape. This may be good for directional signs and legends once the park is in place, etc.

Photo 4: Like
Sunset at 4:17 pm – this picture shows the view of the sun starting to set – (I came out here at a different time than the others) Some people would love to have a good view of sunrise/sunset from various locations in the park – just ideas!

Park Entrance

1. It seems that the most logical and feasible way to enter into the park would be from westbound HWY 100. However, the design team needs to consider how visitors will exit the highway into the park, and how they will exit the park back onto the highway safely. Possible solution could be dedicated turn lane in and out.
2. There seems to be an adequate amount of space just beyond the 36' wide dedicated access point off HWY 100 to make a divided entrance (median) with possible park signage etc.
3. At the present time, Kress Road is not a viable option for public access into the park. This is due to the fact that the road is basically one lane (15') and is in poor condition. However, the design team should take into consideration the future expansion of the Pond-Grover Loop Road, and how the expansion could provide access and possible parking options for the future.

Park Road/Parking

1. Taking the topography and possible planned facilities/activities into consideration, it seems that a two lane park road could easily be developed extending from the front entrance down to the creek (following the path of the existing farm road without a lot of major grading etc.), at which point a bridge could extend across the creek leading into, and possibly around the meadow area.
2. It looks like the roadway could be made wide enough to possibly handle soft (grass or gravel) shoulders on both sides. These shoulders could possibly be used for ongoing parking to gain access to nature trails, or they could be used as additional parking for special events.
3. Due to the topography, it could be difficult and costly to develop major parking areas at the front or along the east or west sides of the park. As such, it appears that if a park road were to be extended down into the park as described above, a parking lot(s) could be developed within the meadow area. This would provide easier access to facilities and activities that could possibly take place within the meadow area.

Meadow

1. The meadow areas topography seems to be perfect to accommodate a variety of Active and Passive Uses that were identified in the surveys.

2. This area would require minimal site grading and is large enough to accommodate a variety of uses. However, the challenge would be to design the area in a manner that it would be aesthetically pleasing, provide sufficient access/parking, and not look like everything is jammed into one location. This could be accomplished by having multiple parking areas and dividing the meadow into different use areas. Whereas the use areas could be somewhat divided by natural features, such as swales, berms, landscaping, facilities, etc., while at the same time still provide openness, and a flow of access to other use areas within the park.

Creek

1. As you can see in the attached pictures, the creek has many downed trees blocking the flow as well as access.
2. There seems to be a lot of erosion issues along the creek bank that may need to be addressed.
3. The creek can be an asset and/or an attractive nuisance. As such, the design team will need to consider how portions of the creek can be safely accessed by visitors. As we all know, if safe access is not made, visitors will explore and will find a way on their own to access the creek. This could possibly be accomplished by *1) Identifying areas of the creek where safe entry could be made possible; 2) Provide some type of trail that would lead to this access point(s); 3) Have the trail wind away from unsafe areas of the creek. This could be accomplished by creating a natural landscaped buffer/separation between the creek and the trail. This would also help with erosion and water quality issues.*

Retention Pond

1. As stated in the surveys, a stocked fishing lake seemed to be an amenity that residents would like to have within the park. As such, is it possible to expand the current retention area into a much larger lake? If so, could it be made to look more natural opposed to looking so man made as it does today?

Natural Areas

1. The west side of the site is heavily wooded and consists of varying grade changes and steep slopes. I would suggest that this area be left primarily undisturbed with the exception of the removal of bush honeysuckle and brush, and be made available for passive uses, such as nature trails.
2. The west side of the site consists of woods and varying grade changes. I would also suggest that this area be left primarily undisturbed with the exception of the removal of bush honeysuckle and brush, and be made available for passive uses, such as nature and multi-use trails. This area also creates a great natural buffer between the active areas of the park and neighboring subdivisions.
3. The south side, like the west side of the site consists of woods and varying grade changes. I would also suggest that this area be left primarily undisturbed with the exception of the removal of bush honeysuckle and brush, and be made available for passive uses, such as nature trails, multi-use trails, and for the expansion of the retention pond. This area also creates a great natural buffer between the active areas of the park and highway 100.

Trails

1. As previously mentioned, I think that the natural areas of the site are ideal for nature trails. These trails could/should have connectivity to multi-use trails, neighborhoods, parking, creek, and active areas of the park.
2. Phase 6 of the Wildwood Greenway (A public multi-use trail extension from Windsor Crest Subdivision to Mueller Road) is currently planned to run along the front of the park. This multi-use trail could give connectivity and access to neighboring subdivisions, nature trails, retention pond/lake, as well as other areas of the park.
3. The topography of the east side of the site that runs parallel and directly behind the Lafayette Trails and Windsor Crest Subdivision (Along the 20' wide water easement), seems to be suitable for a multi-use trail. This multi-use trail could easily connect to the proposed Phase 6 of the Wildwood Greenway (A public multi-use trail extension from Windsor Crest Subdivision to Mueller Road) on the south, and could extend to the north towards Kress Road and provide connectivity to the Portland Cove Subdivision. It could also provide connectivity to various nature trails and access to the active areas of the park.

Site Utilities

Electric:	Potential electrical connectivity could be made through the northeast side of the site near Kress Road.
Water:	Potential potable water connectivity seems to exist along the east side of the site and along the south side of the site.
Gas:	Potential gas connectivity seems to exist along the east side of the site.
Fiber Optics:	Potential gas connectivity seems to exist along the east side of the site.
Sewer:	Did not identify sewer connectivity on site, however, there could be potential connectivity through the Lafayette Trails and Windsor Crest Subdivision.

FRAMEWORK PREFERENECE – INDIVIDUAL (pink form)

- **Program Inclusivity** – the framework's ability to serve as a gathering spot for most Wildwood residents; and to meet the needs of those residents with a diverse variety of possible activities.
- **Balance of Active and Passive Areas** – the framework's ability to preserve native areas, while providing space for active amenities.
- **Connectivity** – the framework's ability to link active and passive areas within the park; and to link the park to major destinations and neighborhoods

Score framework preference criteria on a scale of 1 to 5, with one being low. Then, add the total points for each framework; and rank the frameworks based on the preference scores.

	Program Inclusivity	**Balance of Active and Passive Areas**	**Connectivity**	Total Points	Final Ranking
Framework 1 – Low Road Scheme					
Framework 2 – High Road Scheme					
Framework 3 – Loop Scheme					
Framework 4 – Stub Scheme					

General Comments about **most** appealing framework

General Comments about **least** appealing framework

FRAMEWORK & AMENITY DISCUSSION – GROUP (blue form)

I. Framework Preference

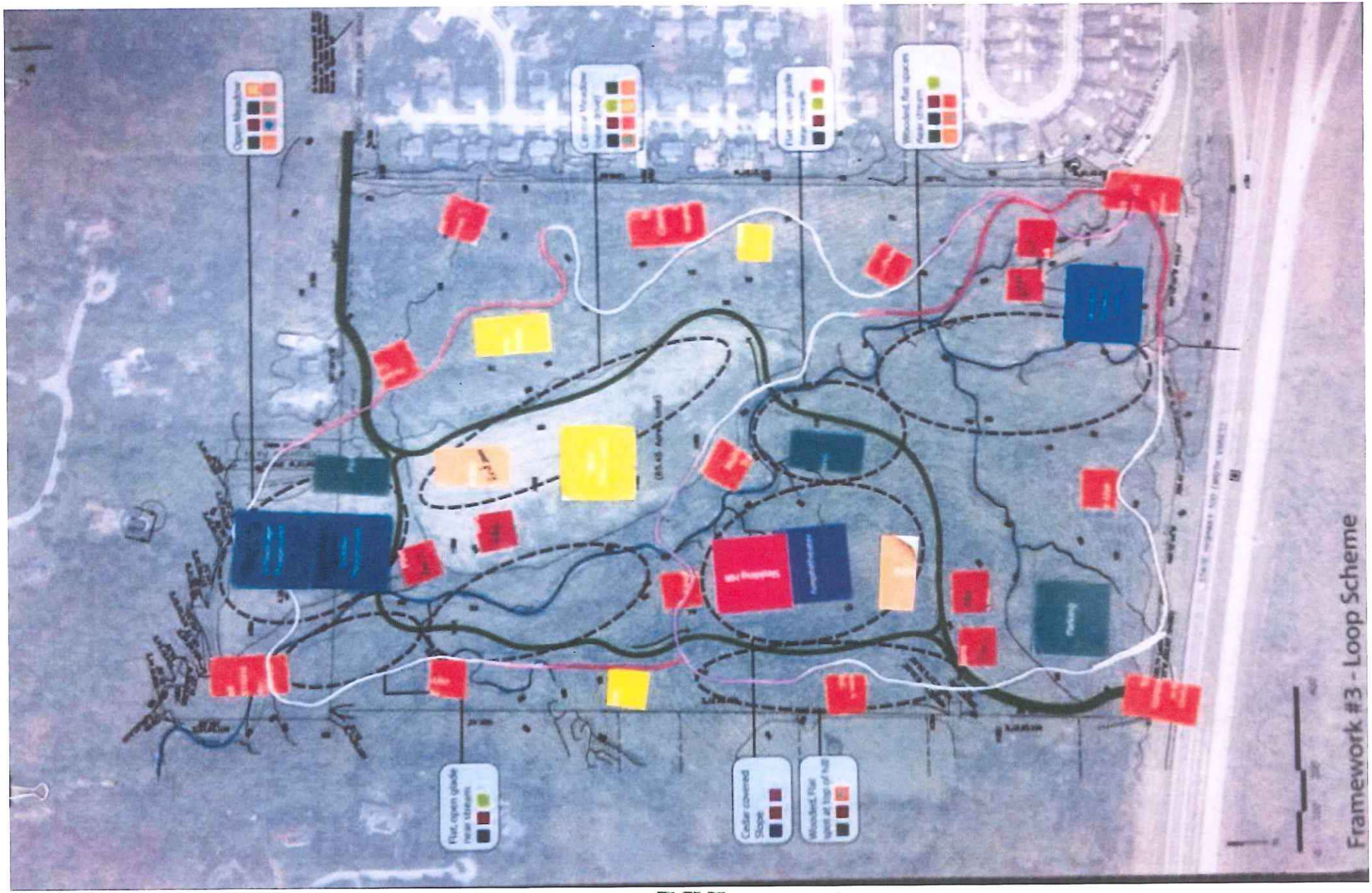
	Rationale
Most Preferred Framework:	•
Second Most Preferred Framework:	•

II. Wildcard Amenities Selected

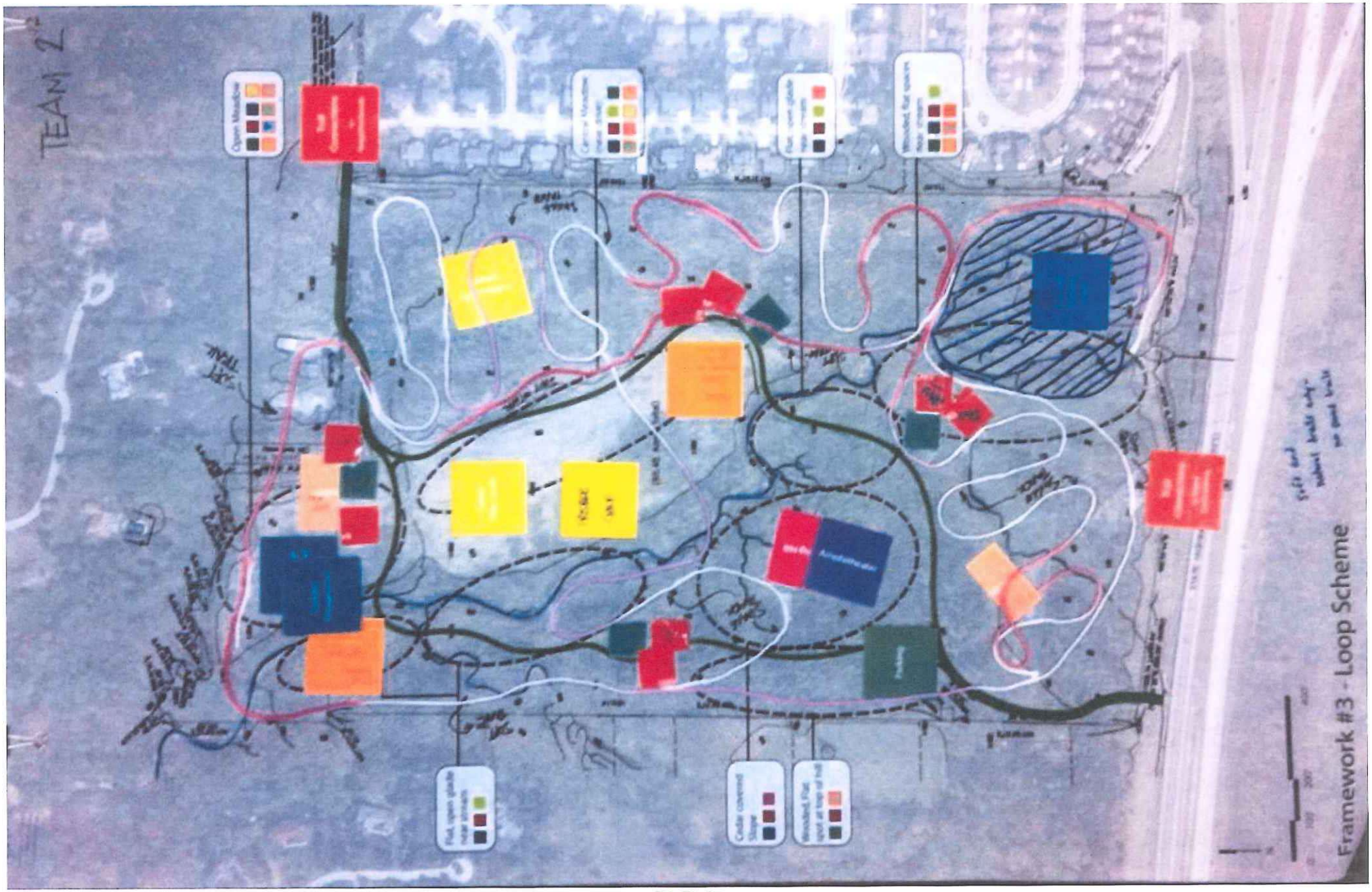
Amenity *(in Preference Order)*	Rationale

III. Suggestions for Improving Gaming Session

GROUP 1



GROUP 2



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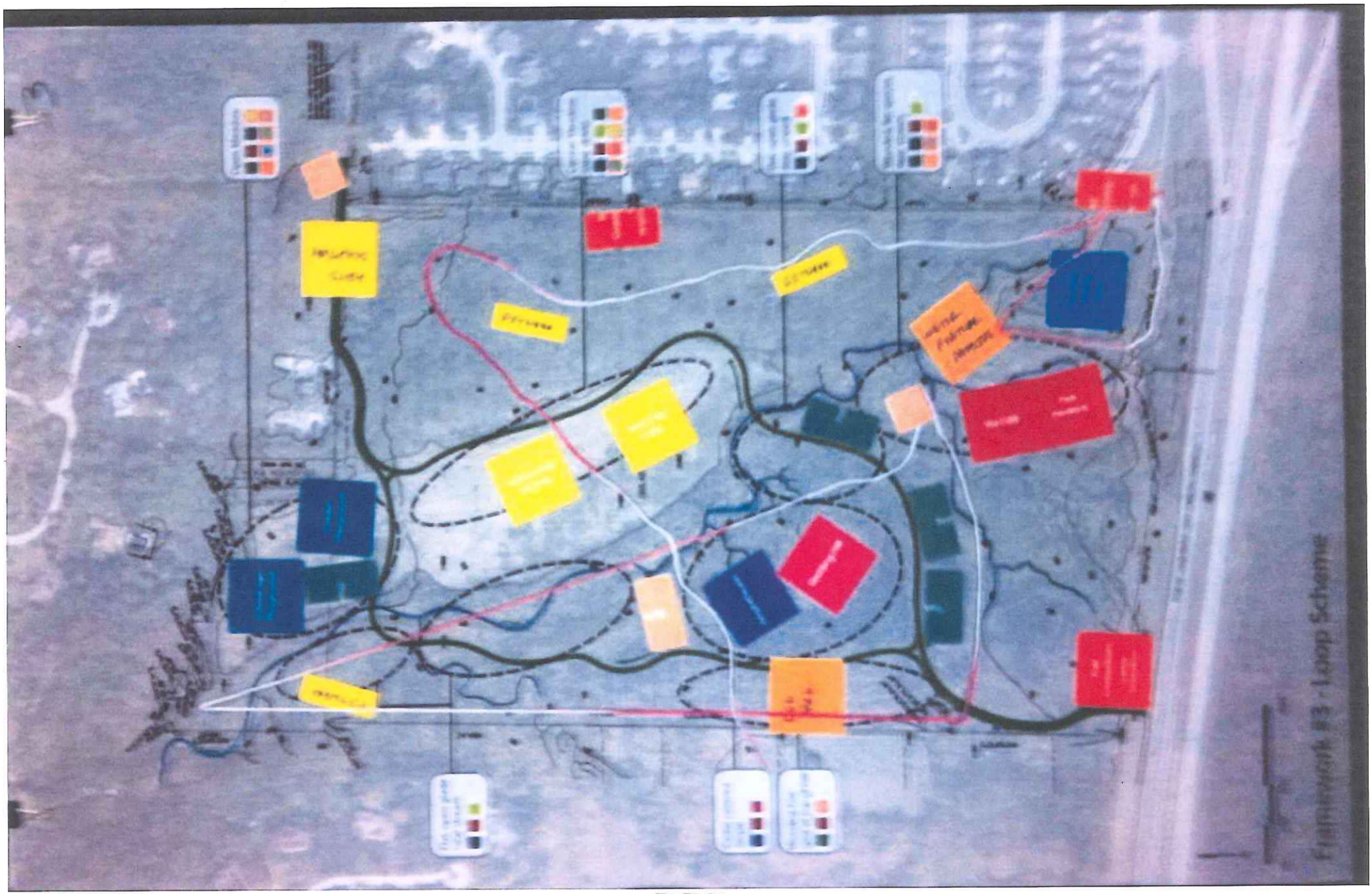
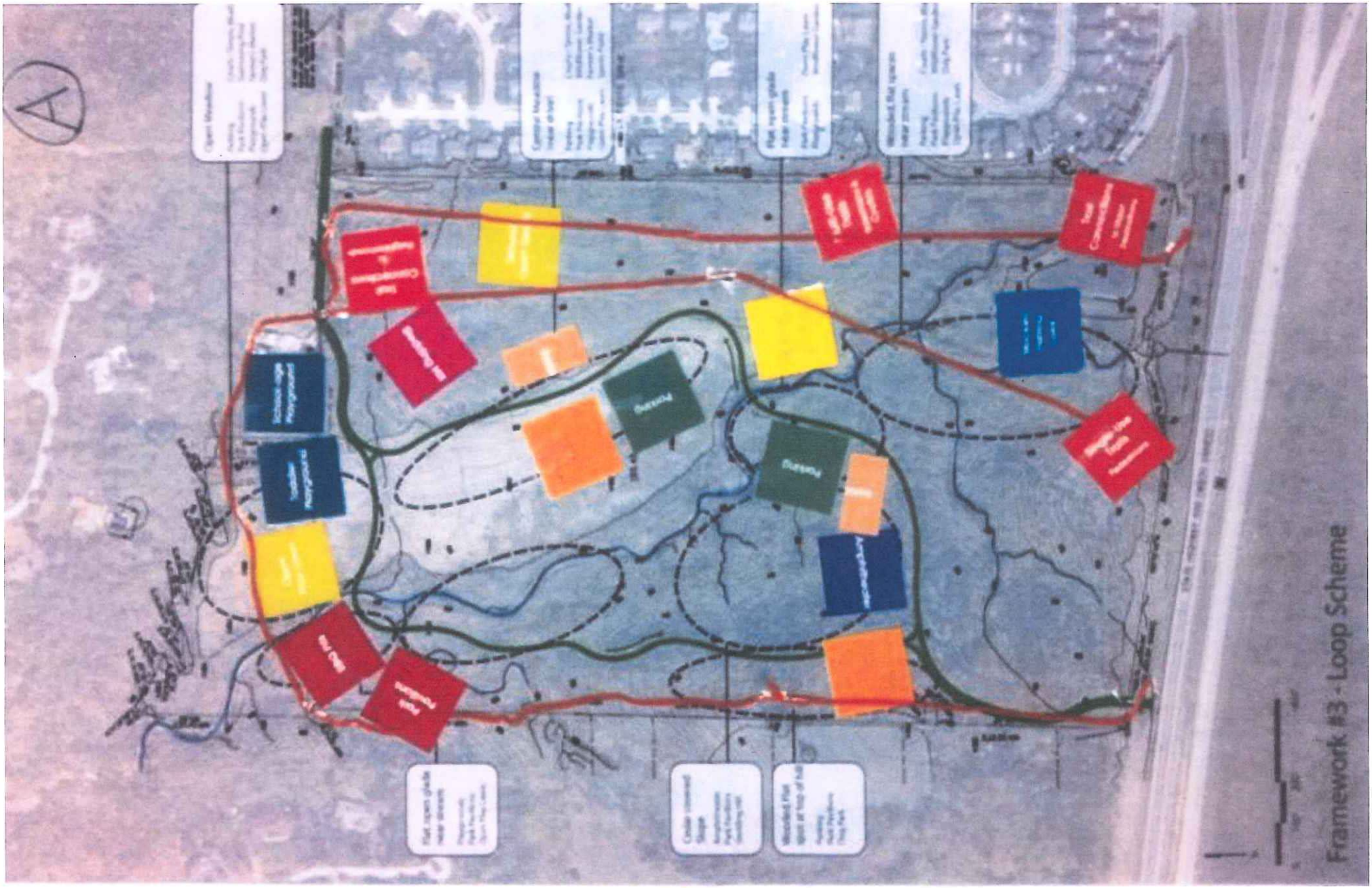
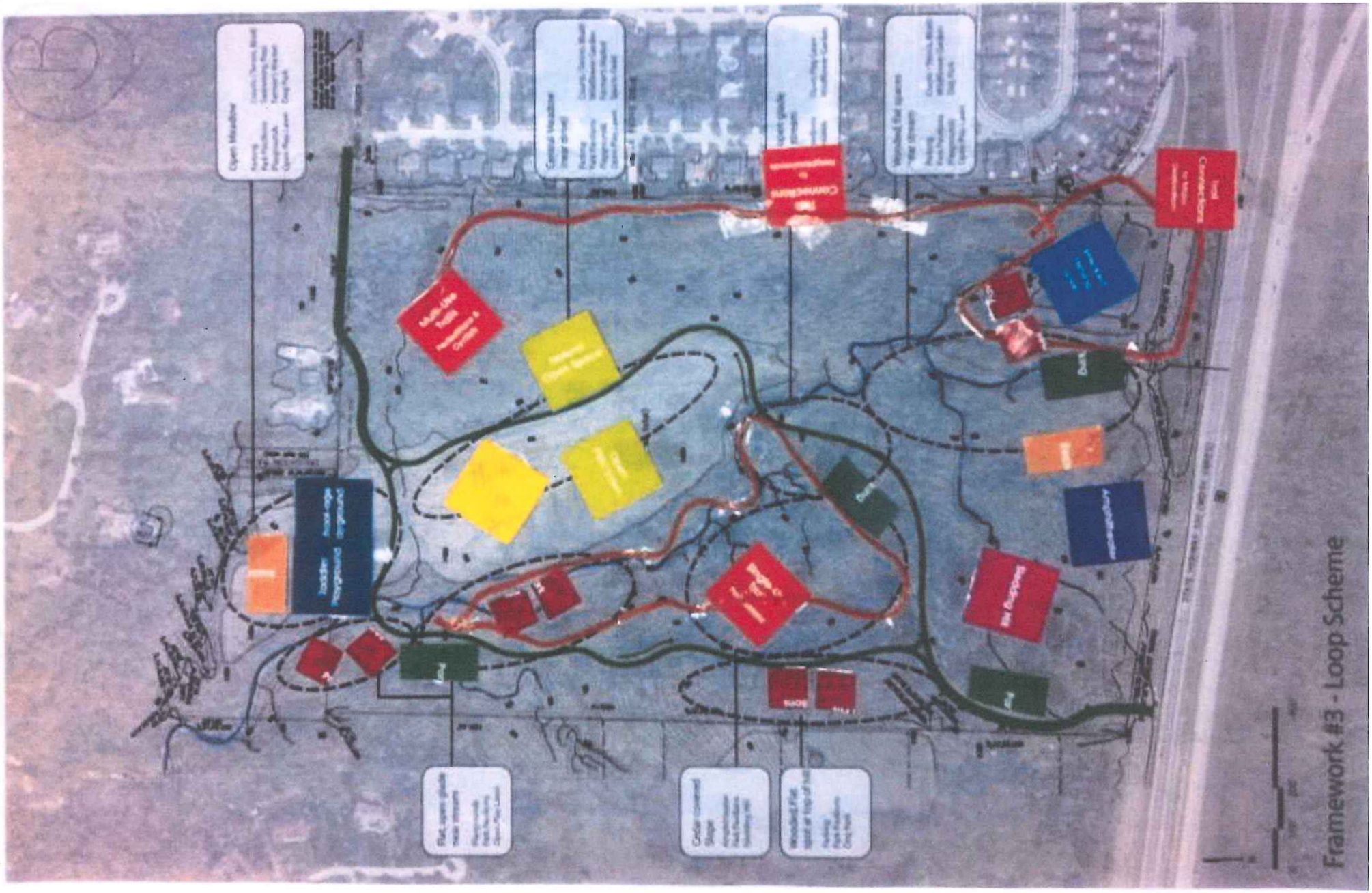


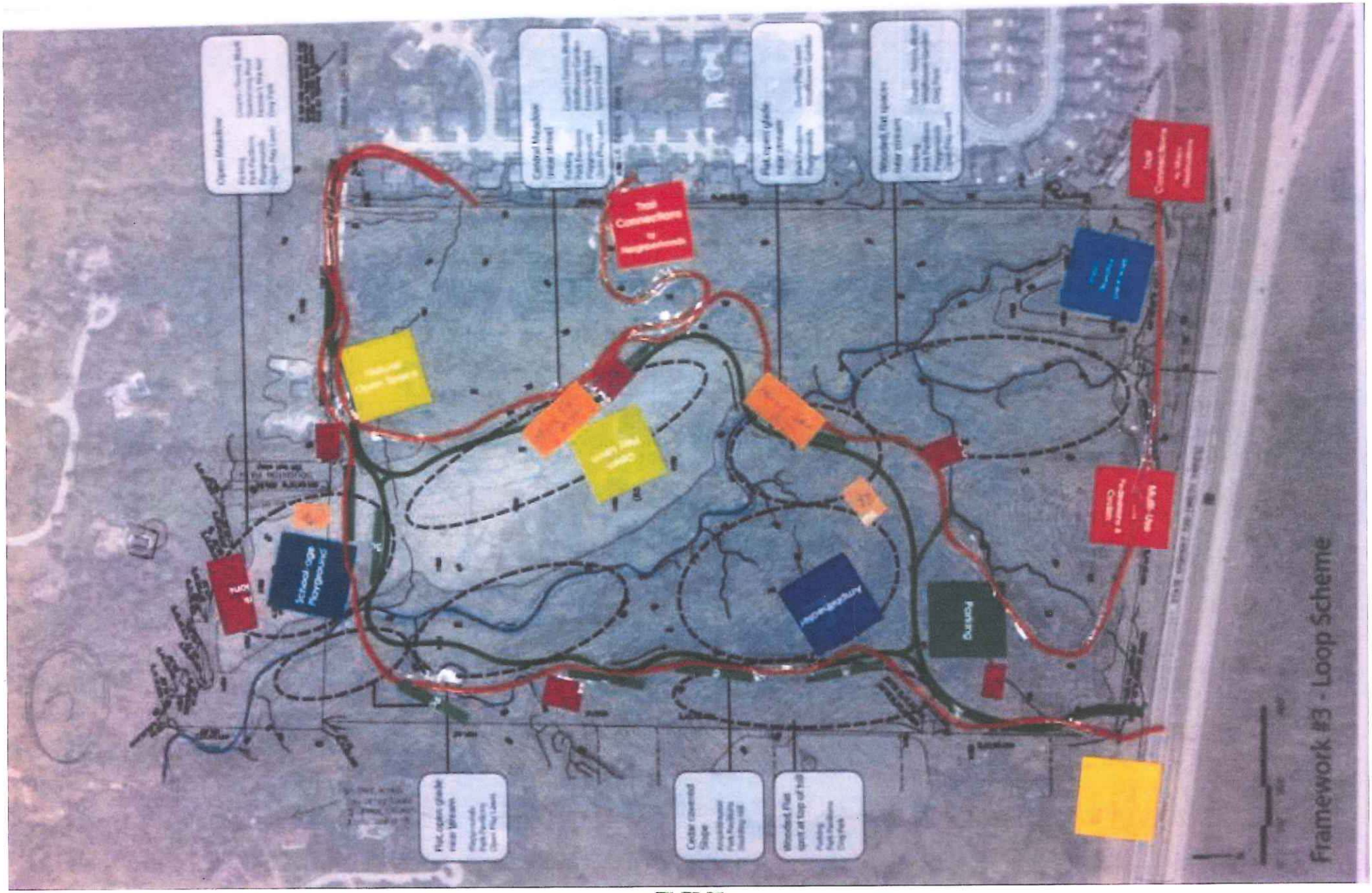
GROUP A



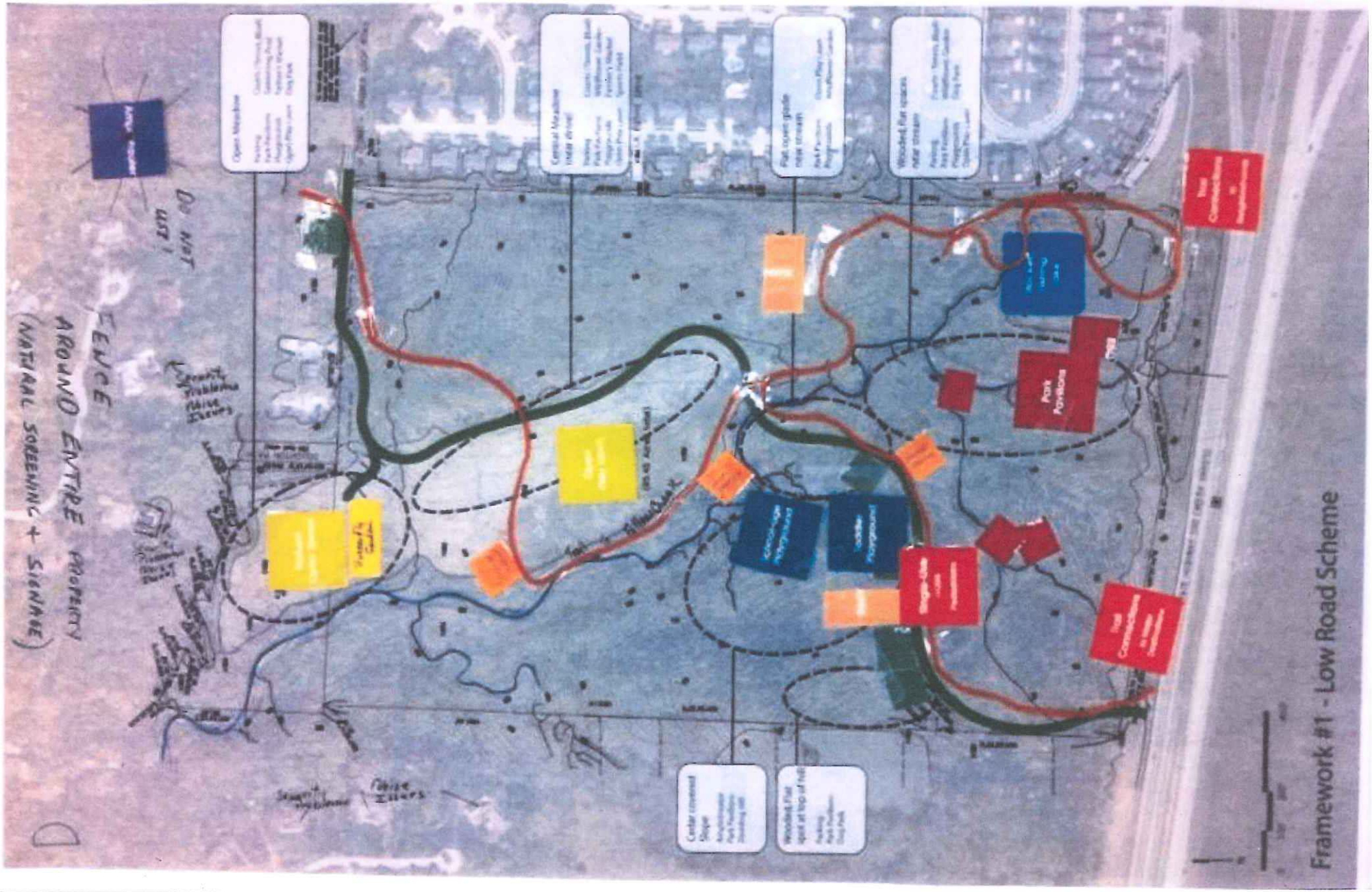
GROUP B



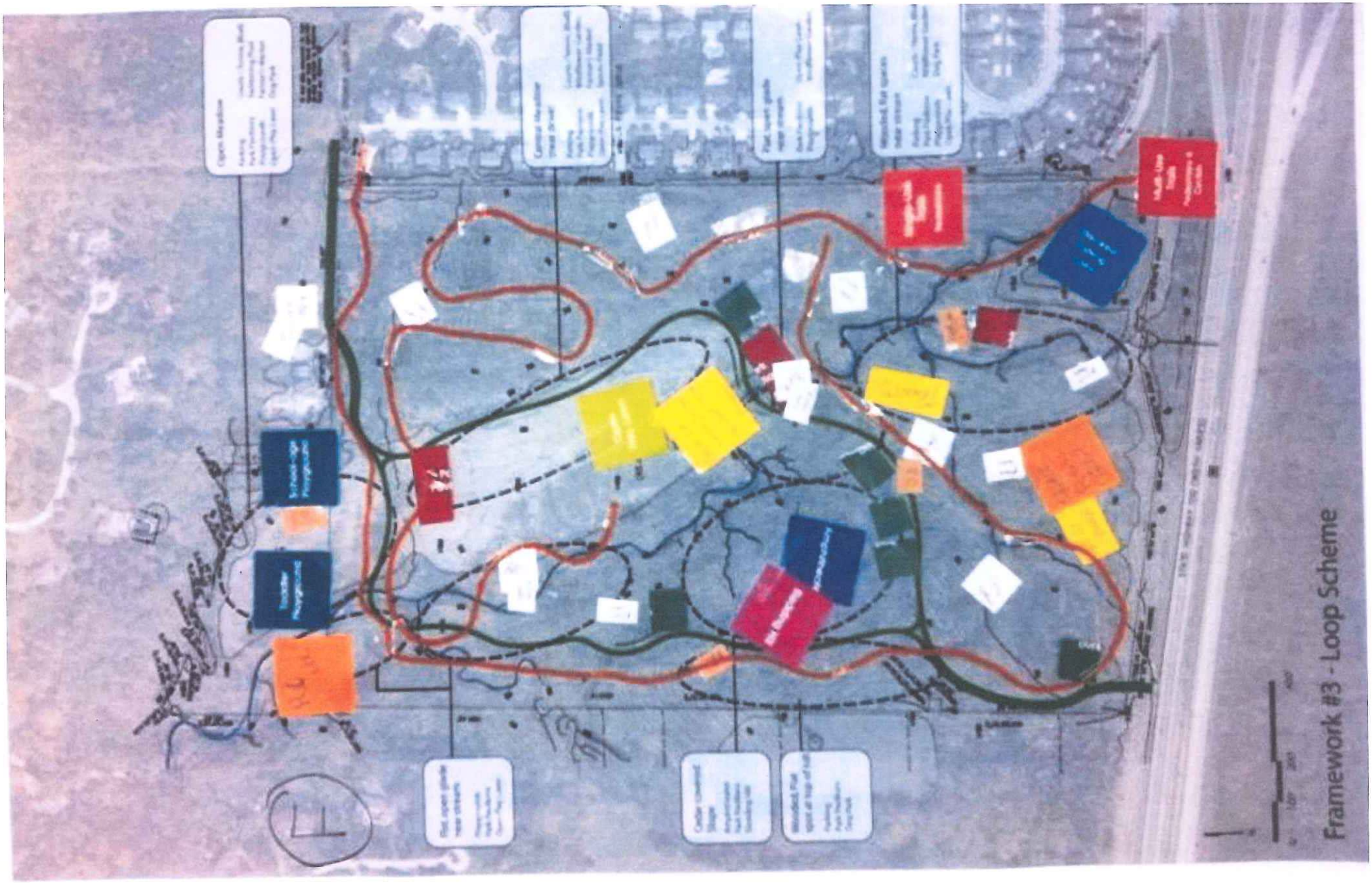
GROUP C



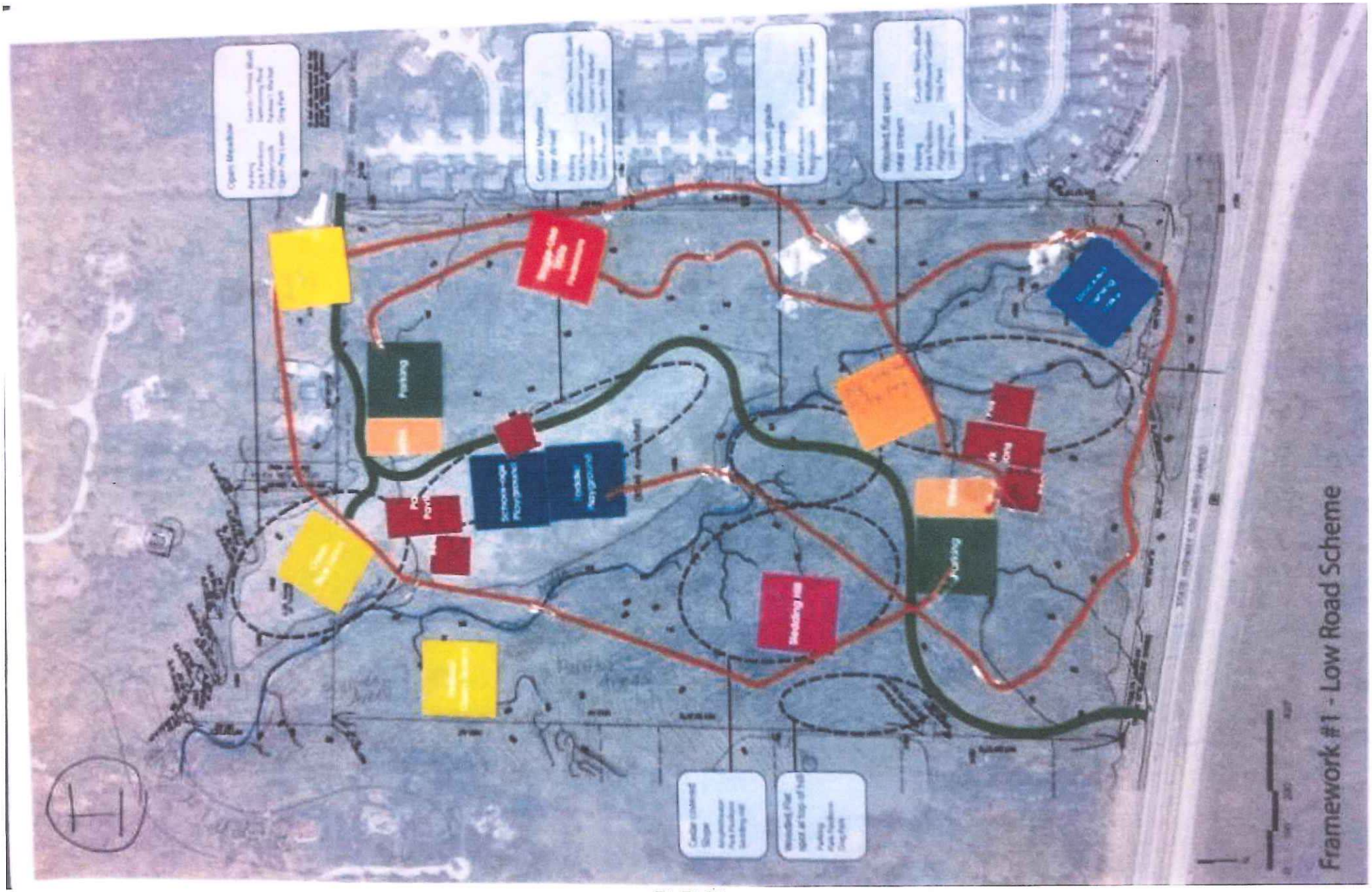
GROUP D


Framework #1 - Low Road Scheme
D
DO NOT LIST
FENCE AROUND ENTIRE PROPERTY (NATURAL SCREENING + SIGNAGE)

GROUP F



GROUP I



Goals & Background

Site Photos & Site Analysis

Program

Comparable Projects

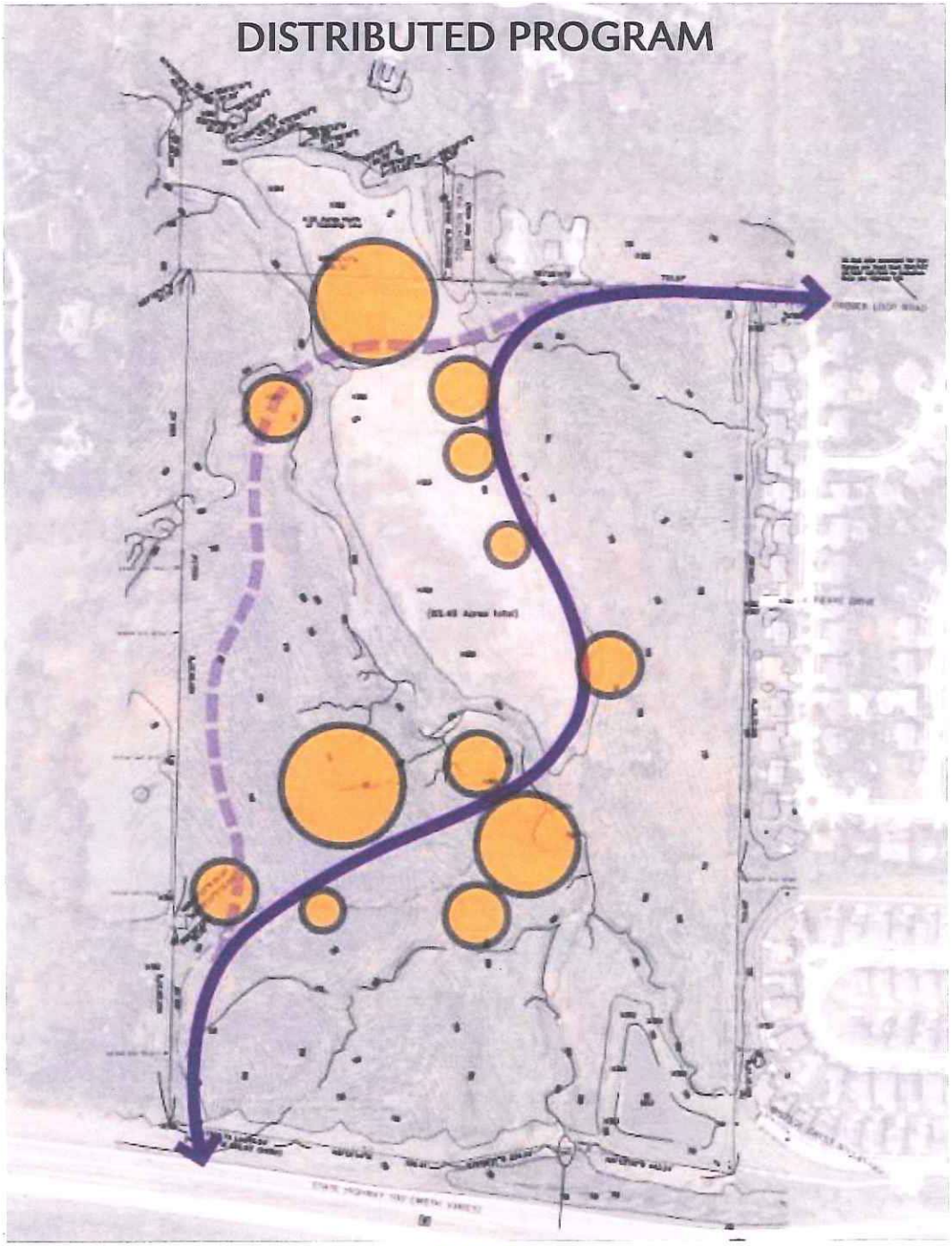
Public Participation

Development Frameworks & Conceptual Ideas

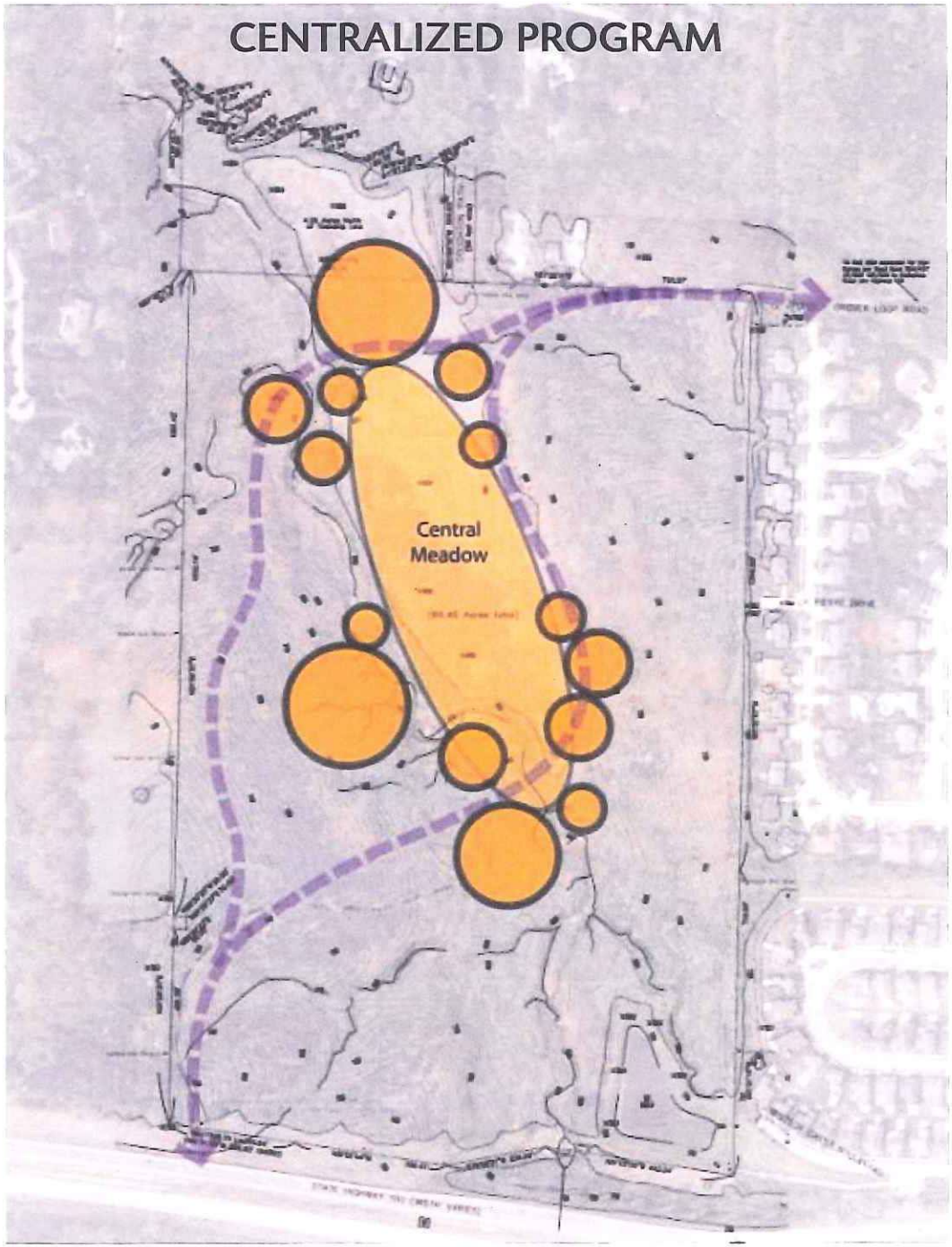
The Master Plan

Phasing & Costs

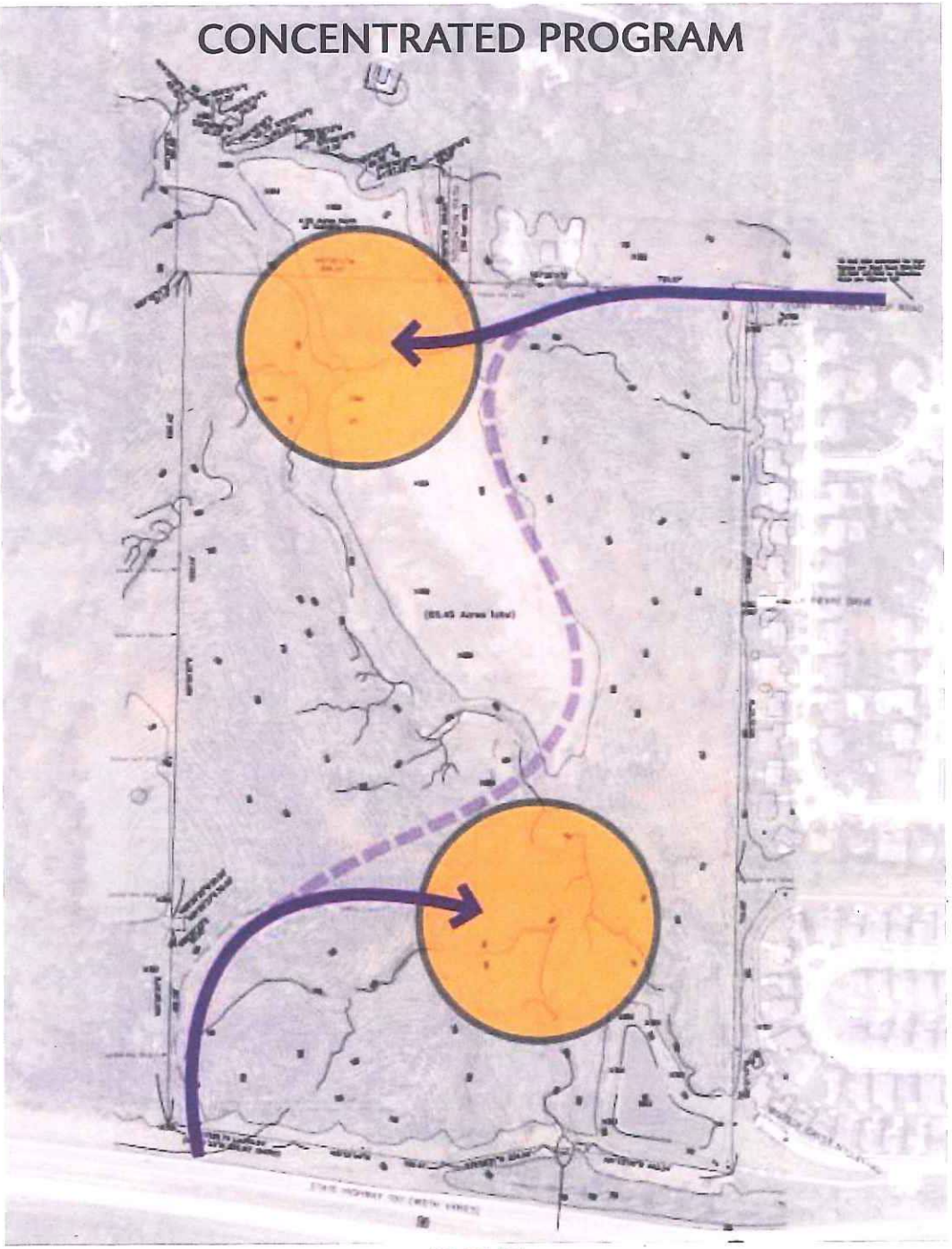
DISTRIBUTED PROGRAM



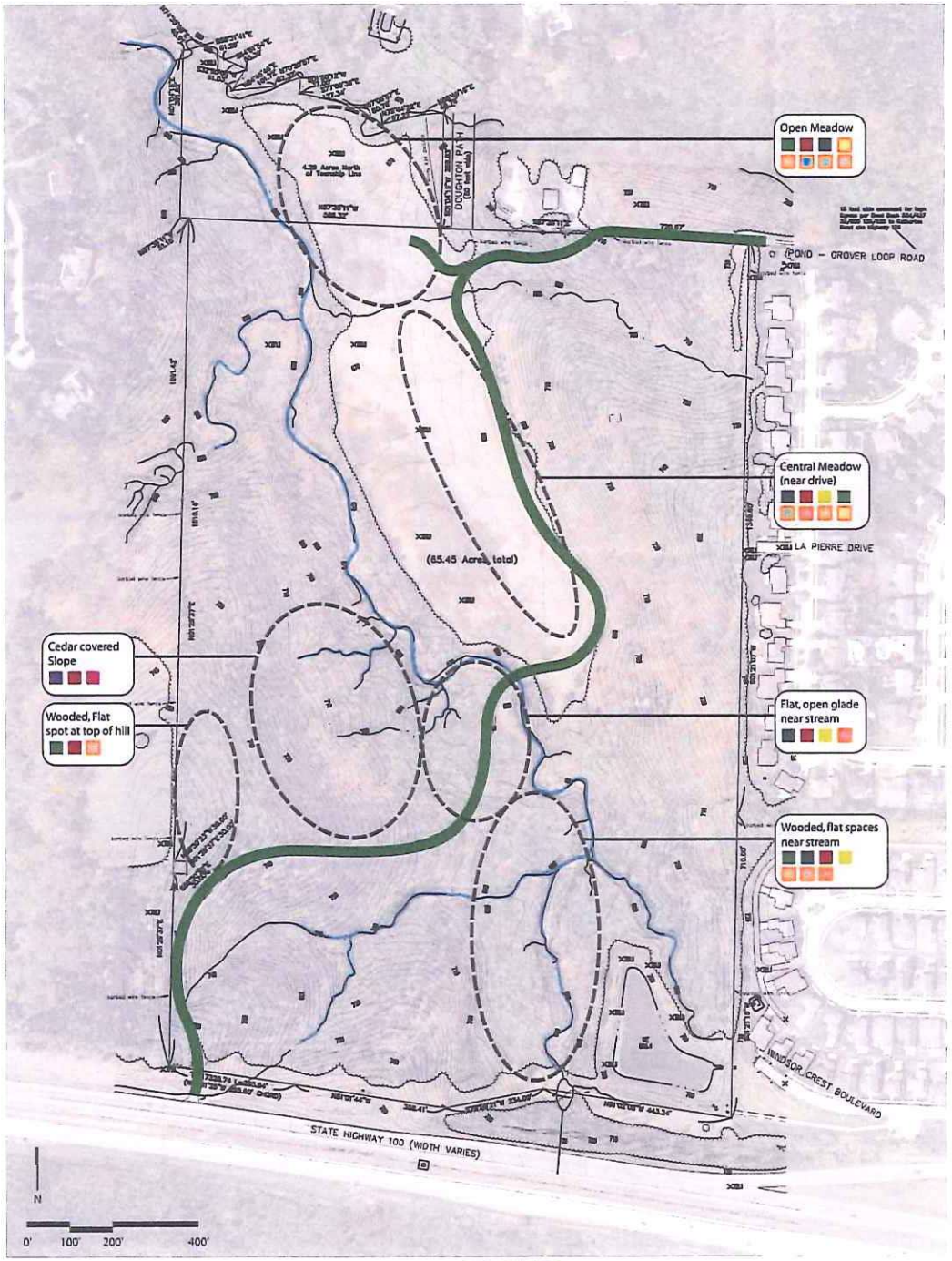
CENTRALIZED PROGRAM



CONCENTRATED PROGRAM



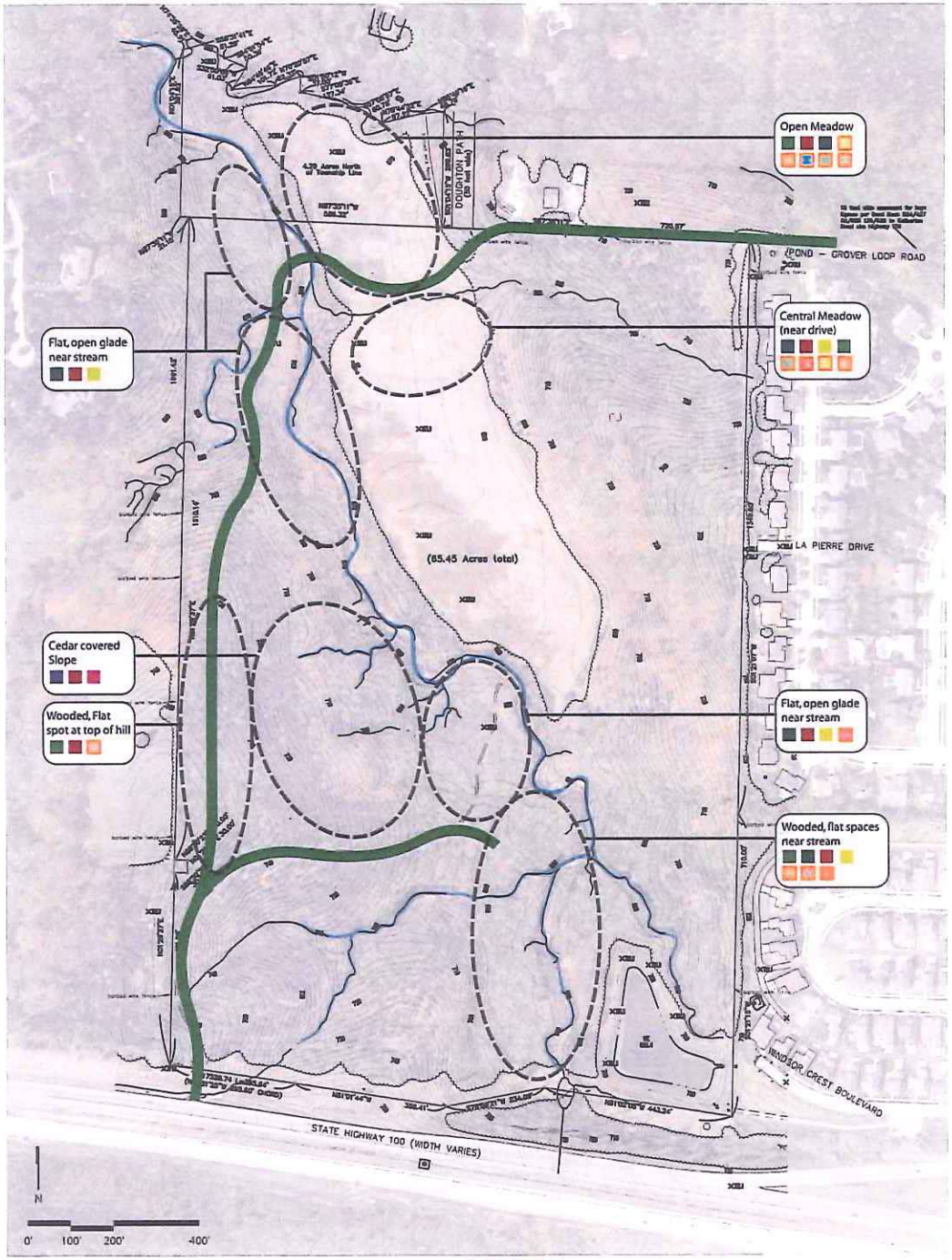
- Parking
- Playgrounds
- Open Lawn
- Fishing Lake
- Sledding Hill
- Trails
- Pavilions
- Amphitheater
- Restrooms



- Wild Card
- Courts (tennis, bball)
- Sport Field
- Swimming Pool
- Water Feature
- Farmer's Market
- Wildflower Garden
- Dog Park
- Wild Card

Framework #1
LOW Road Scheme

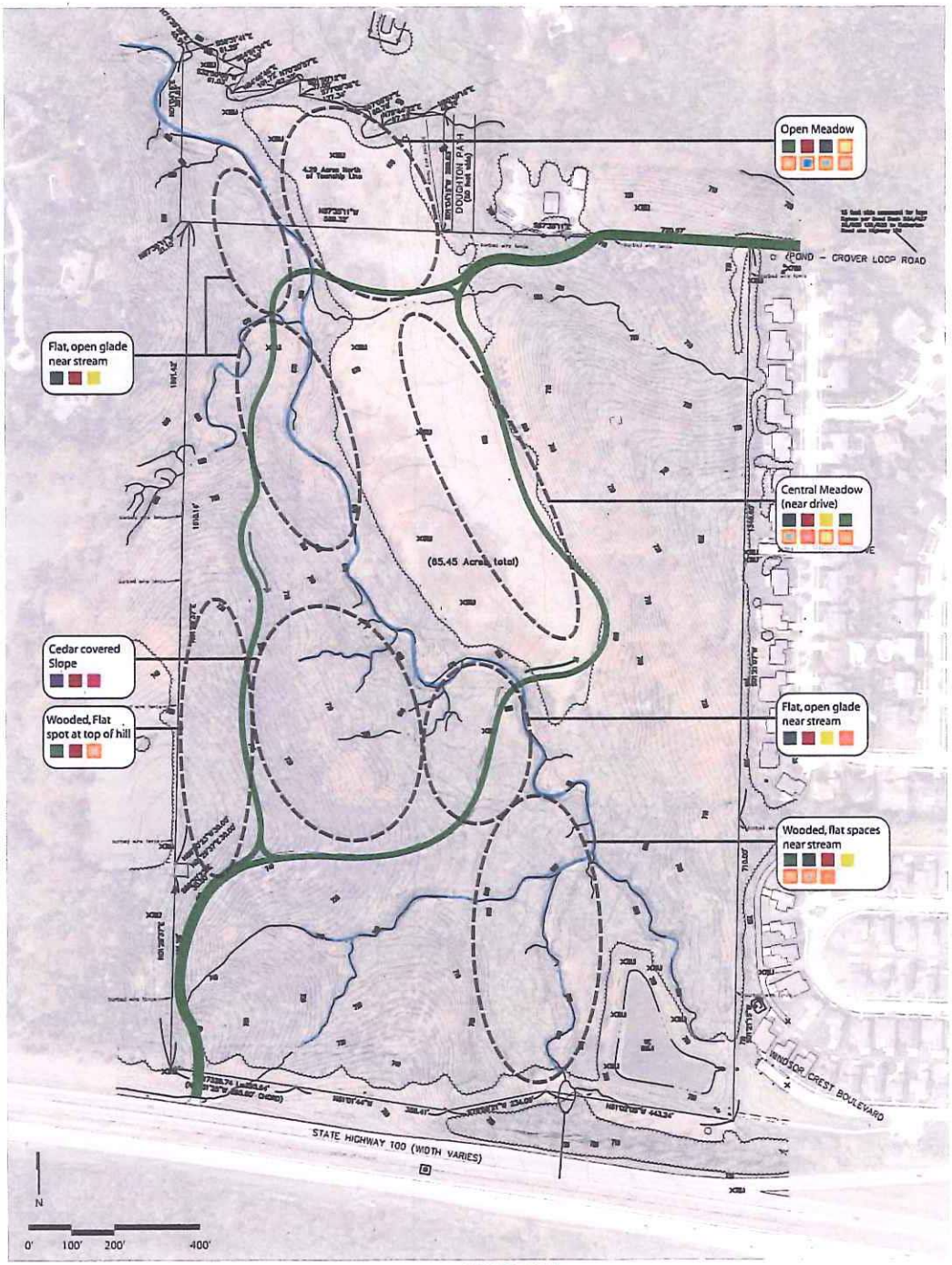
- Parking
- Playgrounds
- Open Lawn
- Fishing Lake
- Sledding Hill
- Trails
- Pavilions
- Amphitheater
- Restrooms



- Wild Card
- Courts (tennis, bball)
- Sport Field
- Swimming Pool
- Water Feature
- Farmer's Market
- Wildflower Garden
- Dog Park
- Wild Card

Framework #2
HIGH Road Scheme

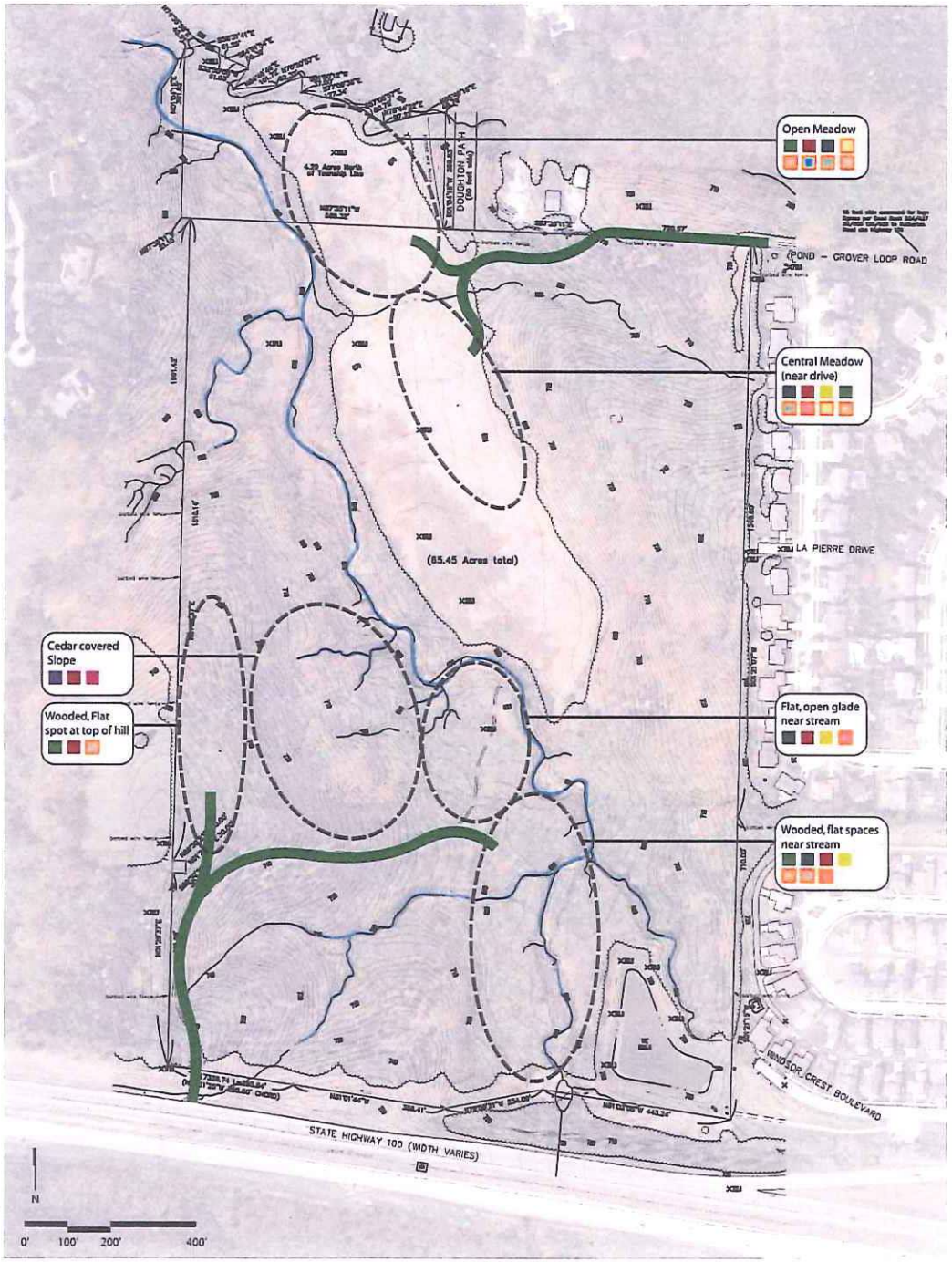
- Parking
- Playgrounds
- Open Lawn
- Fishing Lake
- Sledding Hill
- Trails
- Pavilions
- Amphitheater
- Restrooms



- Wild Card
- Courts (tennis, bball)
- Sport Field
- Swimming Pool
- Water Feature
- Farmer's Market
- Wildflower Garden
- Dog Park
- Wild Card

Framework #3
LOOP Scheme

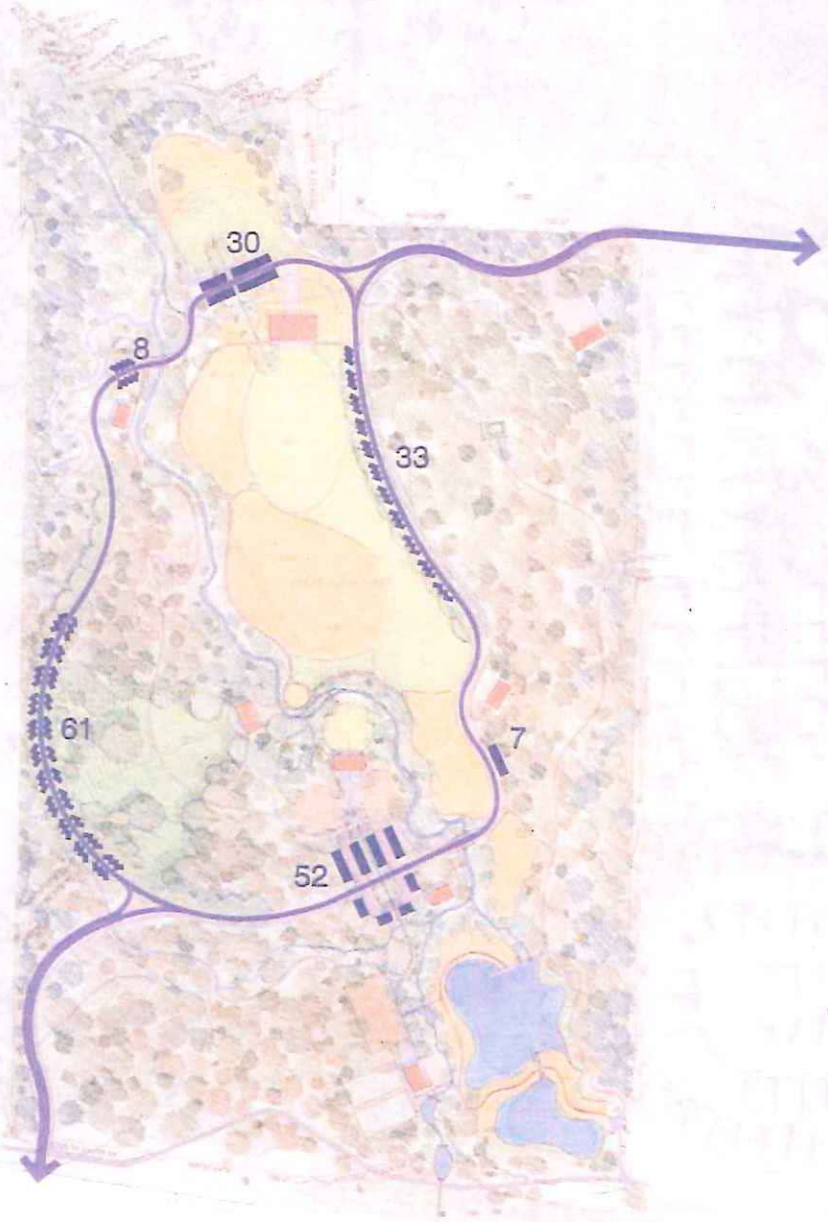
- Parking
- Playgrounds
- Open Lawn
- Fishing Lake
- Sledding Hill
- Trails
- Pavilions
- Amphitheater
- Restrooms



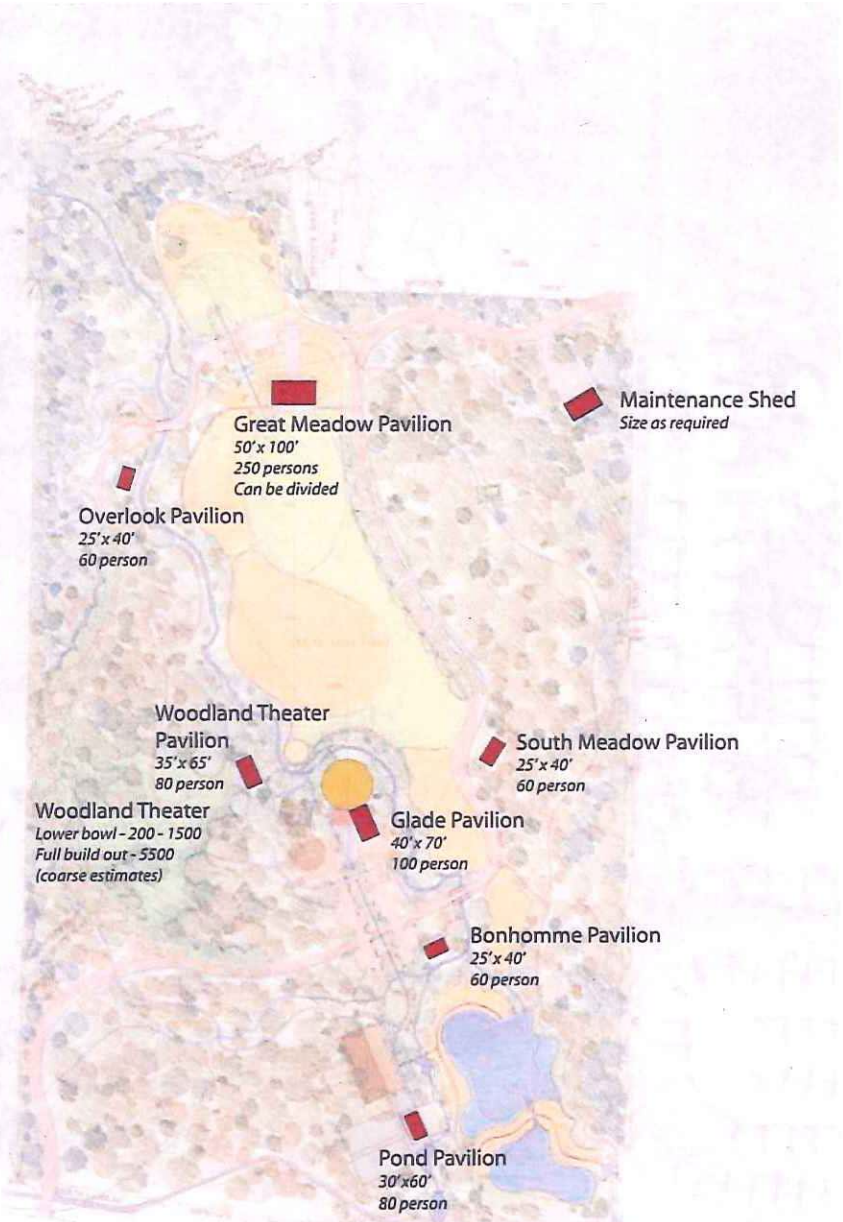
- Wild Card
- Courts (tennis, bball)
- Sport Field
- Swimming Pool
- Water Feature
- Farmer's Market
- Wildflower Garden
- Dog Park
- Wild Card

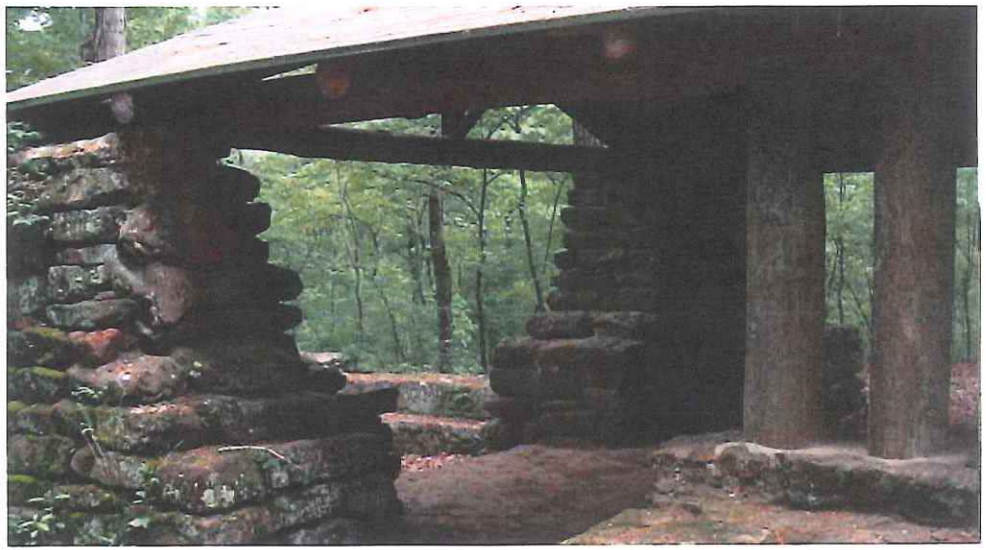
Framework #4
STUB Scheme

Roads and Parking

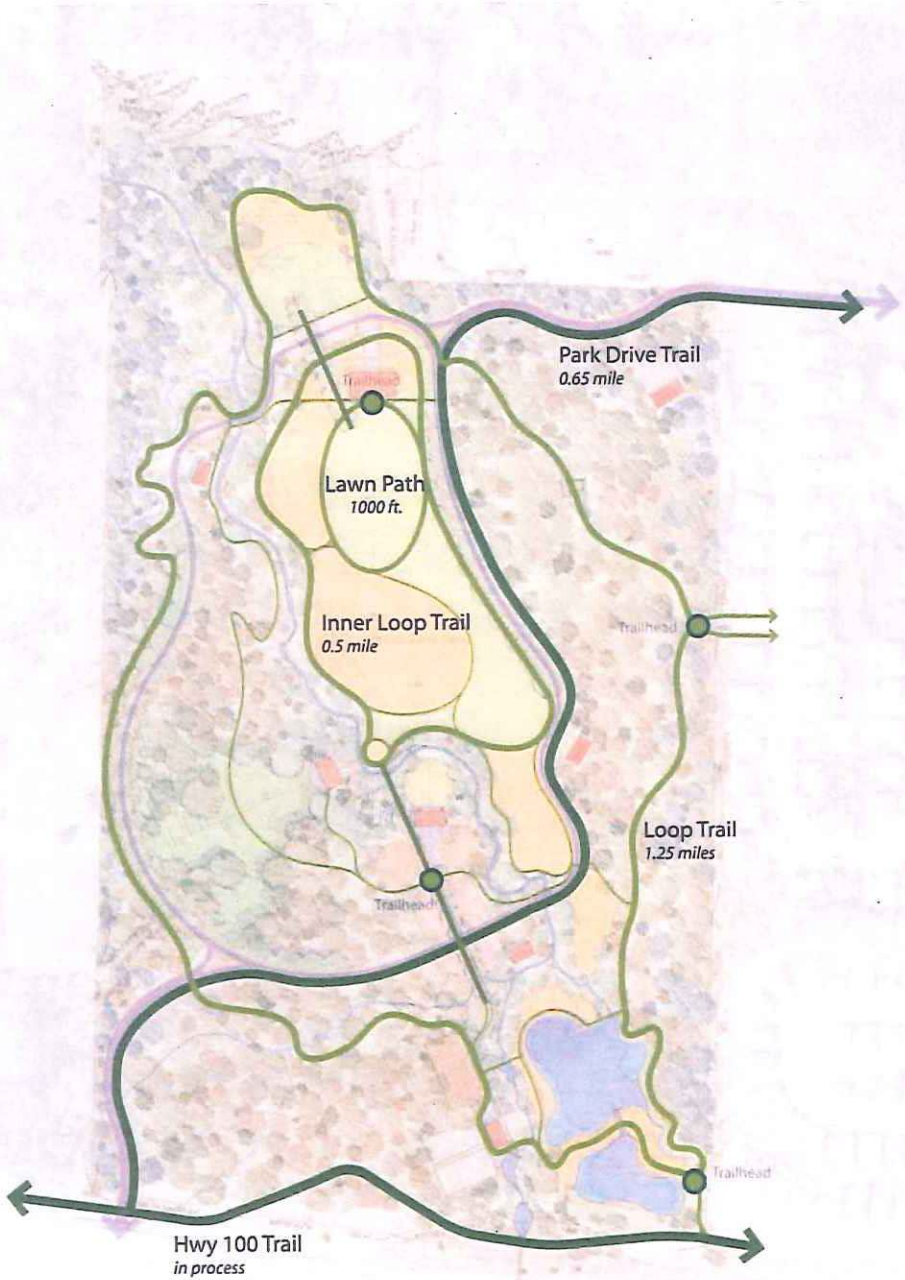


Structures

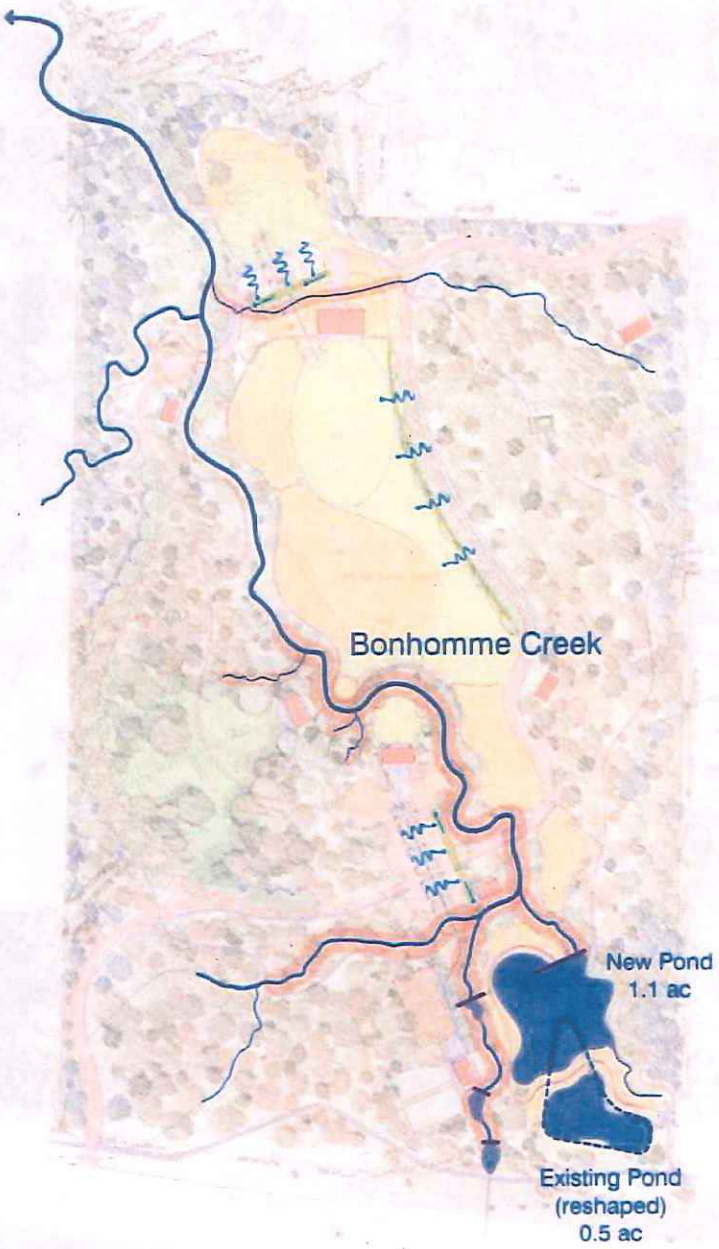

Great Meadow Pavilion
50'x 100'
250 persons
Can be divided
Maintenance Shed
Size as required
Overlook Pavilion
25'x 40'
60 person
Woodland Theater
Pavilion
35'x 65'
80 person
South Meadow Pavilion
25'x 40'
60 person
Woodland Theater
Lower bowl - 200 - 1500
Full build out - 5500
(coarse estimates)
Glade Pavilion
40'x 70'
100 person
Bonhomme Pavilion
25'x 40'
60 person
Pond Pavilion
30'x60'
80 person



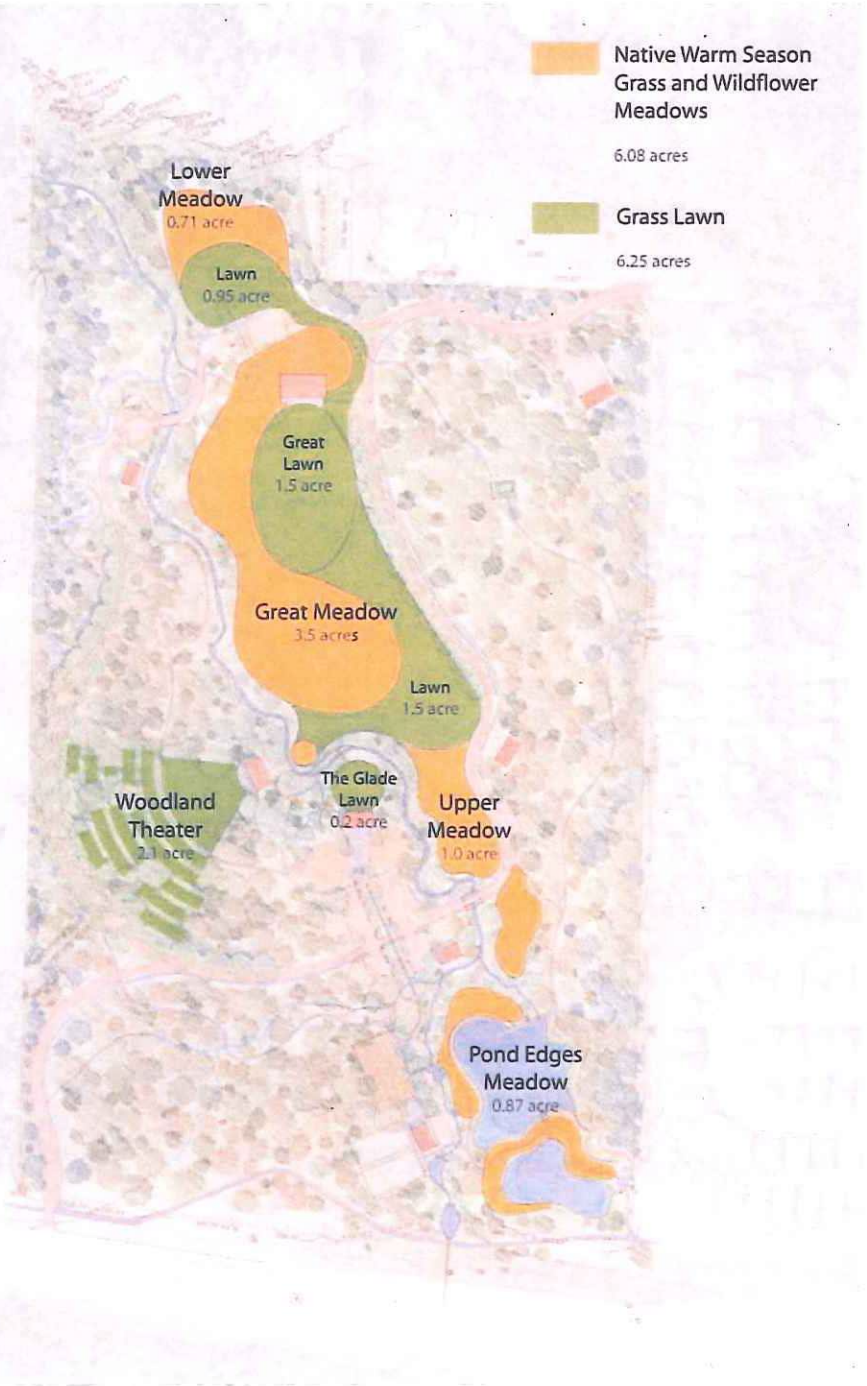
Paths and Trails



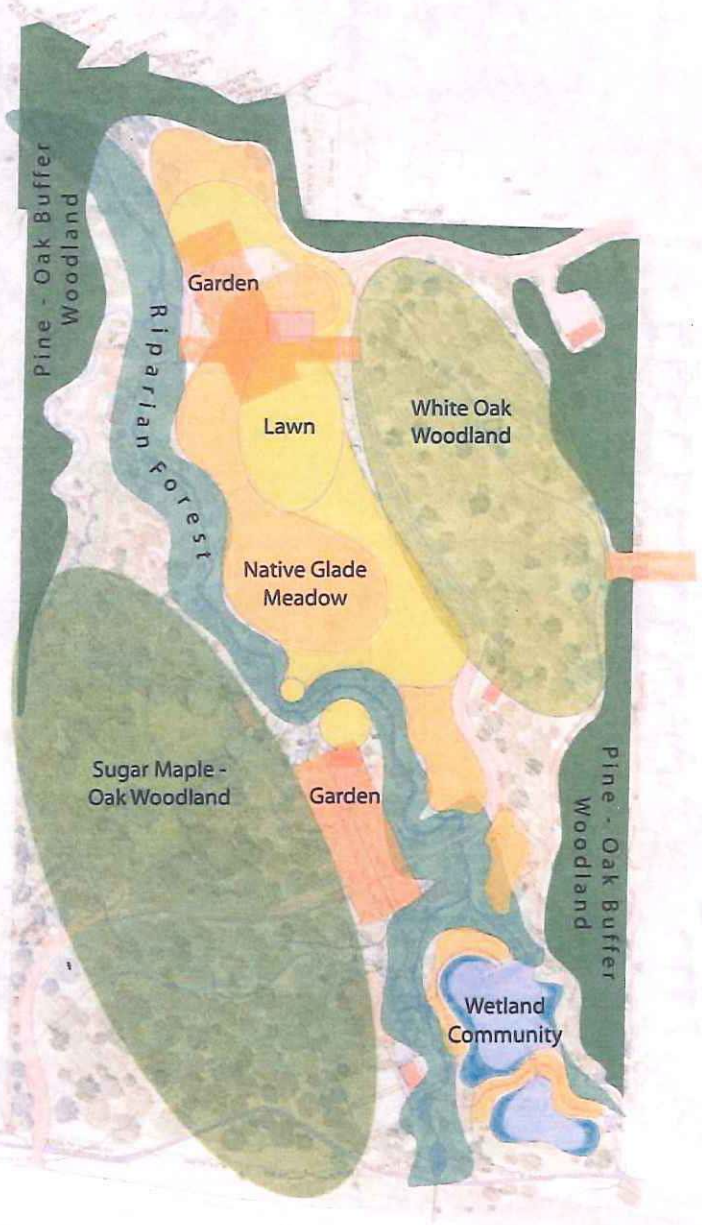
Hydrology – Ponds and Streams



Lawn, Field, Meadow



Plant Communities



Native Glade Meadow

Little Bluestem
Sideoats Gramma
American aloe
purple prairie clover
false boneset
Missouri orange coneflower

White Oak Woodland

White Oak
Black Oak
Post Oak
Black Hickory
Blackhaw
Redbud

Sugar Maple - Oak Woodland

White Oak
Red Oak
Sugar Maple
Hickory
Black Gum

Pine – Oak Buffer Planting

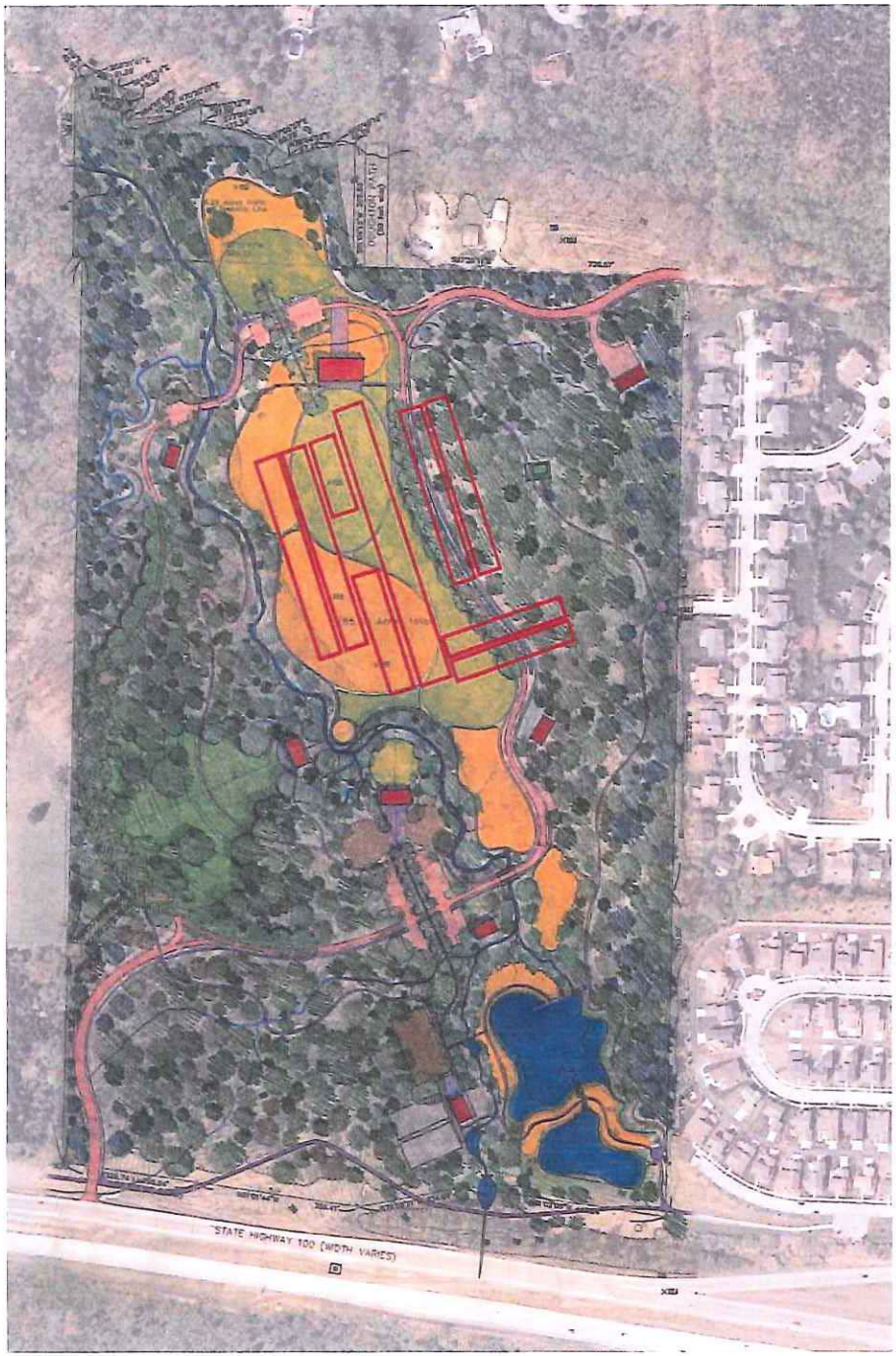
Shortleaf Pine
Scarlet Oak
Black Oak
Sassafras
Red Cedar
White Pine

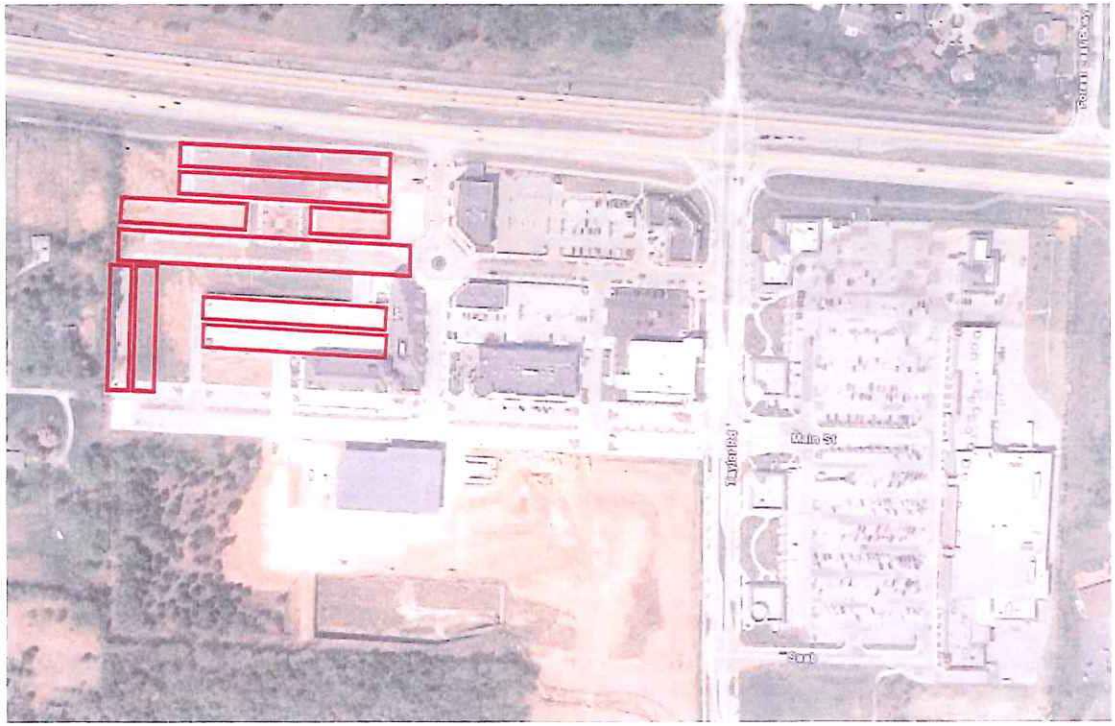
Riparian Forest

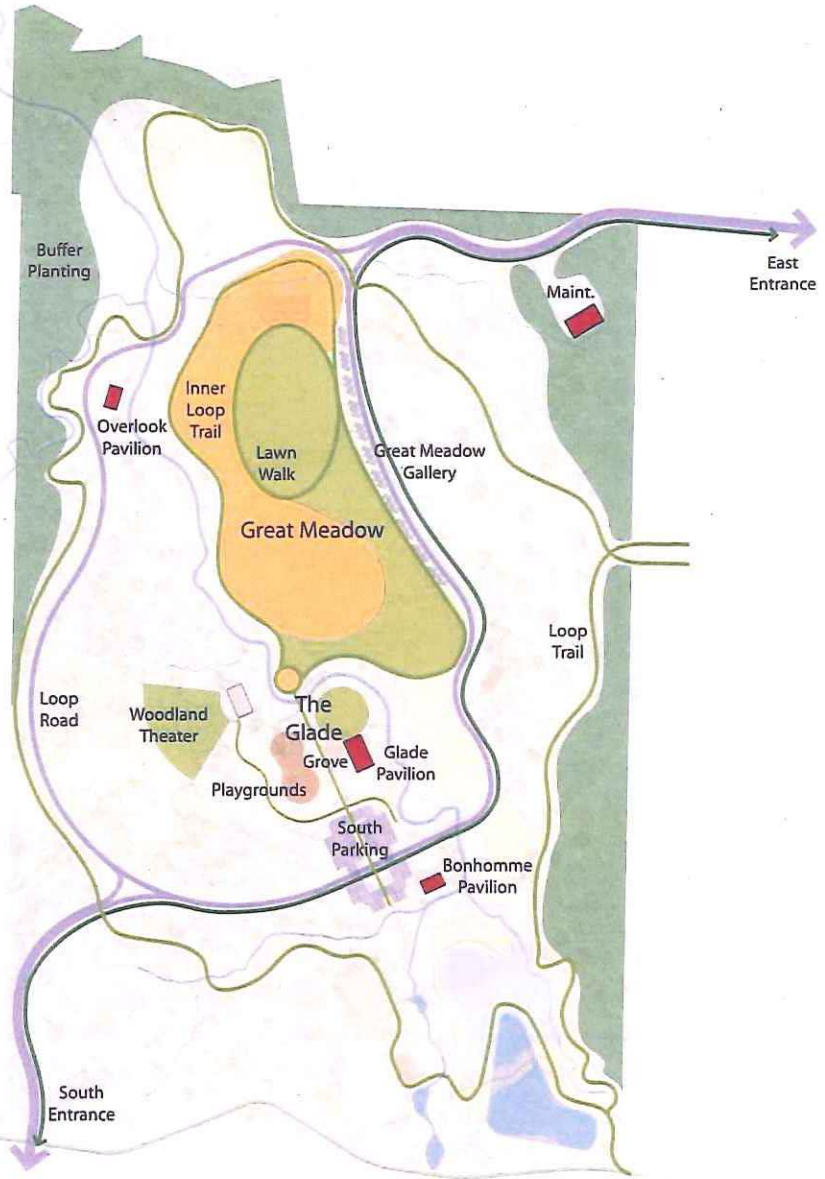
Sycamore
Cottonwood
Hackberry
Sweetgum
Sugarberry
Hornbeam
Witchhazel

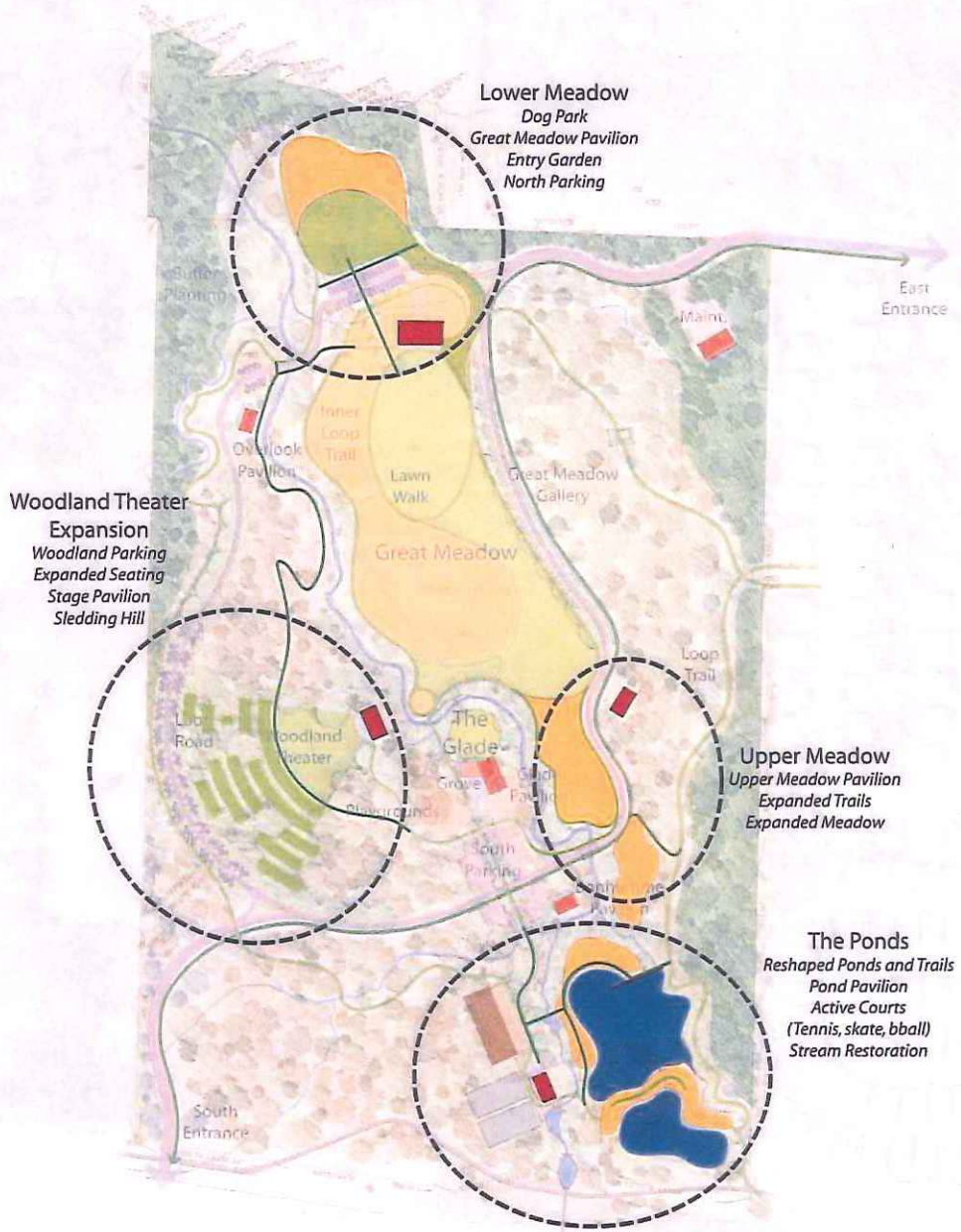
Wetland Plant Community

Bulrushes
Sedges
Arrowheads


STATE HIGHWAY 100 (WIDTH VARIES)



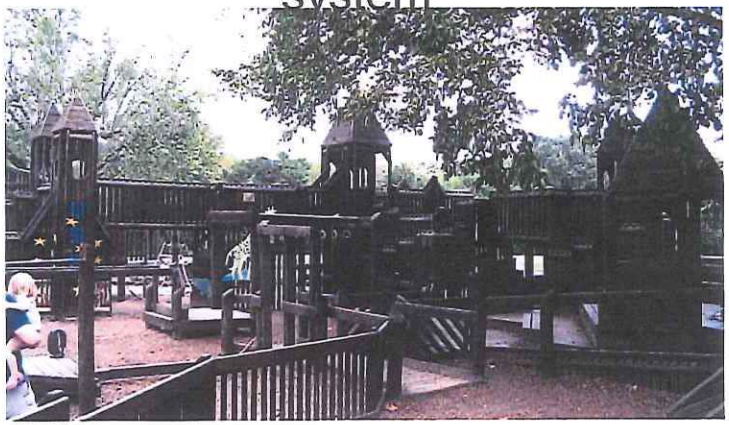

Buffer Planting
East Entrance
Maint.
Inner Loop Trail
Overlook Pavilion
Lawn Walk
Great Meadow Gallery
Great Meadow
Loop Trail
Loop Road
Woodland Theater
The Glade
Grove
Glade Pavilion
Playgrounds
South Parking
Bonhomme Pavilion
South Entrance


Lower Meadow
Dog Park
Great Meadow Pavilion
Entry Garden
North Parking
East Entrance
Inner Loop Trail
Lawn Walk
Great Meadow Gallery
Great Meadow
Woodland Theater Expansion
Woodland Parking
Expanded Seating
Stage Pavilion
Sledding Hill
Loop Road
The Glade
Grove
Loop Trail
Upper Meadow
Upper Meadow Pavilion
Expanded Trails
Expanded Meadow
South Parking
The Ponds
Reshaped Ponds and Trails
Pond Pavilion
Active Courts
(Tennis, skate, bball)
Stream Restoration
South Entrance

Which character of playground appeals most to you?

1 Manufactured Play System

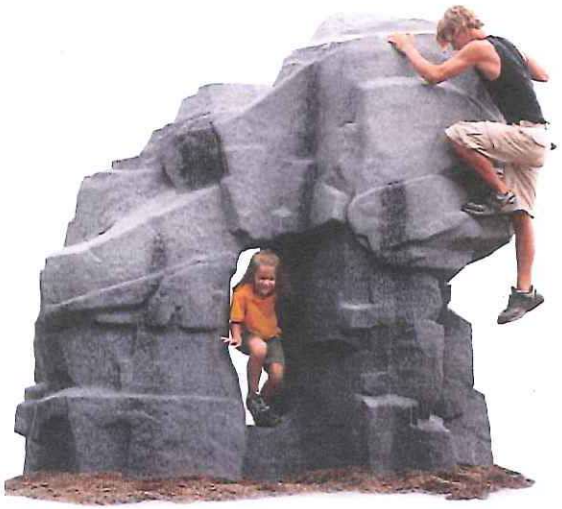
2 Designed, site built system



3 Natural Playground

Which type of natural playground appeals most to you?

1
'Natural' Playground System

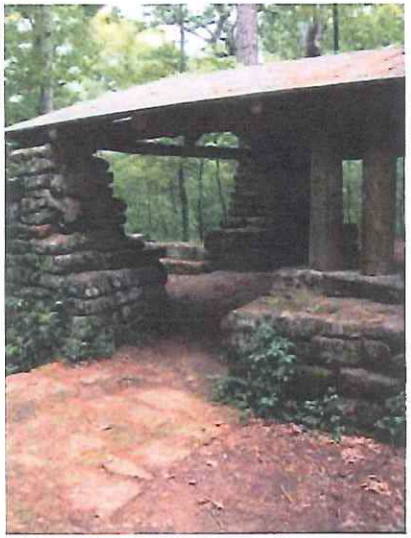


2
Designed Natural Playground w/ natural elements

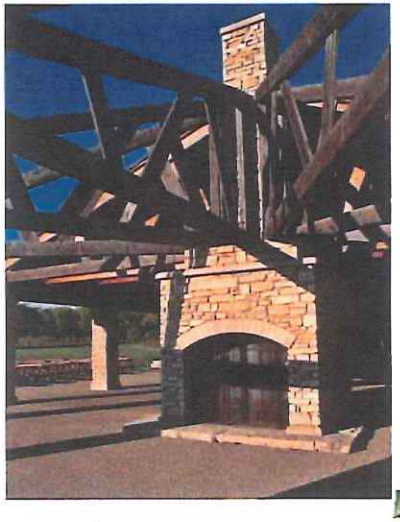
3
Natural Play landscape

Which architectural character for park structures appeal most to you?

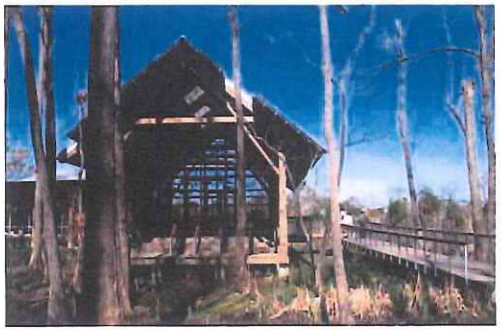
Traditional, familiar



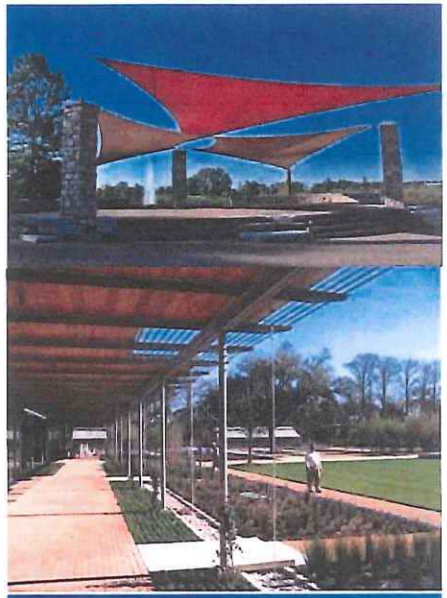
Updated versions of Traditional



Regional Contemporary



Contemporary



A community gathering space such as an amphitheater is being considered. Which character of amphitheater appeals most to you?

More Informal,
Less Structure

More constructed,
More amenities

A community gathering space such as an amphitheater is being considered. Which character of amphitheater appeals most to you?

Open, shaped lawn bowl; no structure

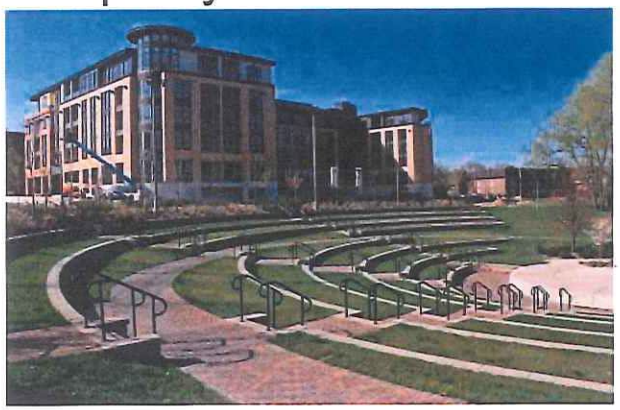
Minimal structure
Small informal

Smaller gathering spaces

A community gathering space such as an amphitheater is being considered. Which character of amphitheater appeals most to you?

More Integration w/ trees, Shady, intimate

More open and airy, Larger capacity



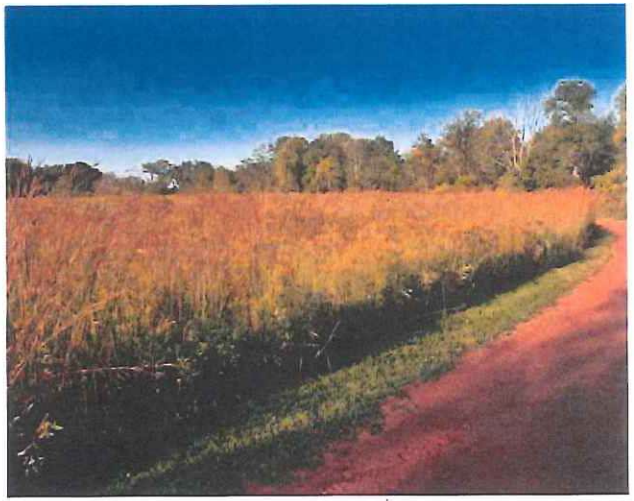
Existing Meadow:
Broom sedge
Blackberries
Briars

Wildest
$

Which type of meadow would you hope to see featured at Wildwood Community Park ?

Warm Season Grass Meadow:
Bluestem
Indian Grass
Some Wildflowers

Wild
$$



Native Wildflower Meadow:
Black Eyed Susan
Echinacea
Native Wildflowers

Which type of paths through meadows would you hope to see at Wildwood Community Park ?

Mown Path informal

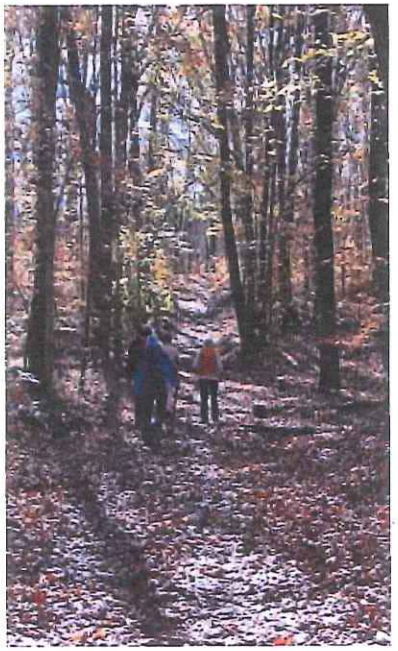
Crushed stone or paved

Mown Path groomed

Formal paved

Paved and graded
Multi-use

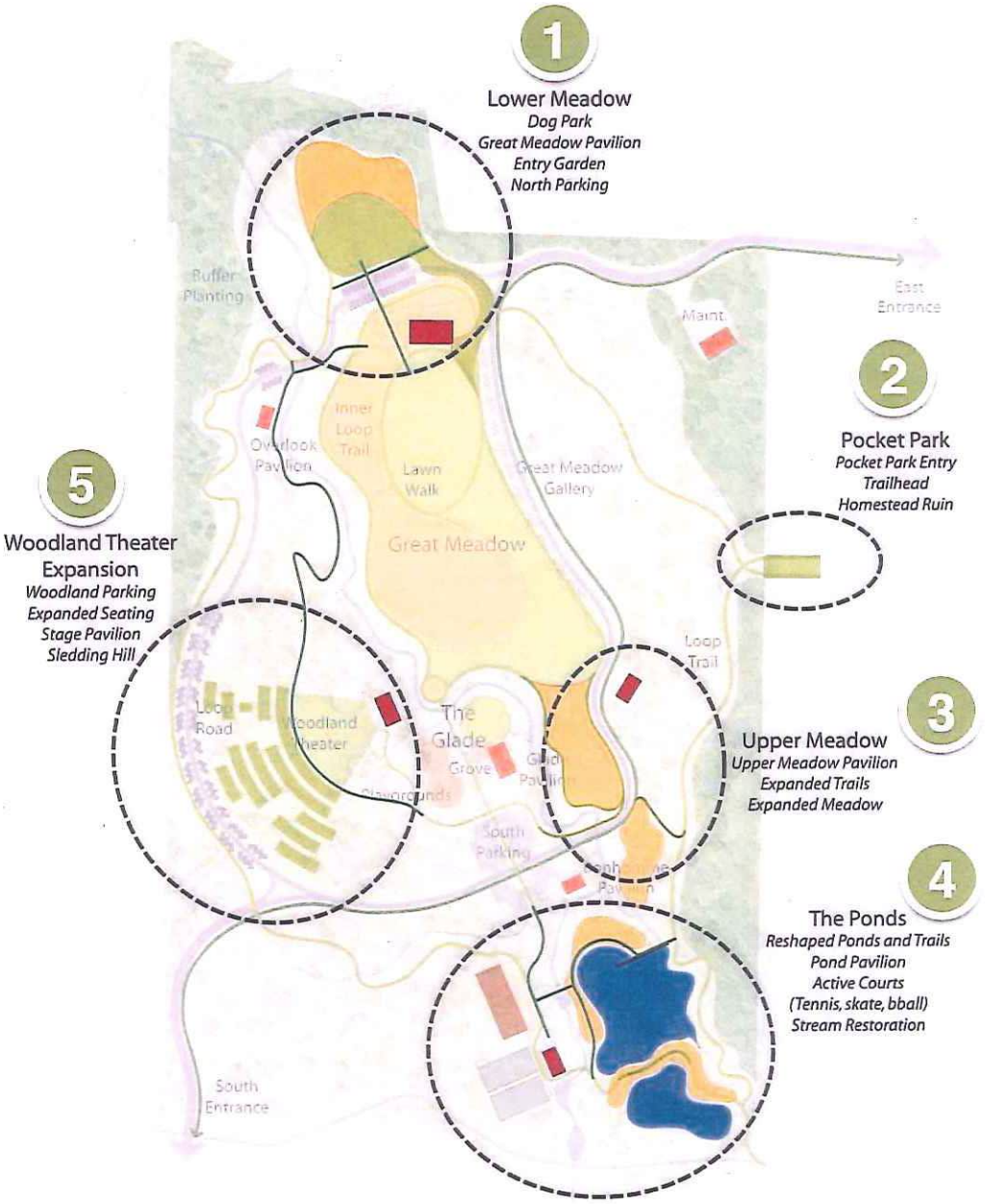
Hiking Trail



Wildwood Community Park would likely contain multiple trail types.
Which trail type do you personally prefer to use?

Crushed stone
Multi-use

The following are packages of park upgrades that Wildwood could incorporate. In what order would you prioritize these upgrades?



Goals & Background

Site Photos & Site Analysis

Program

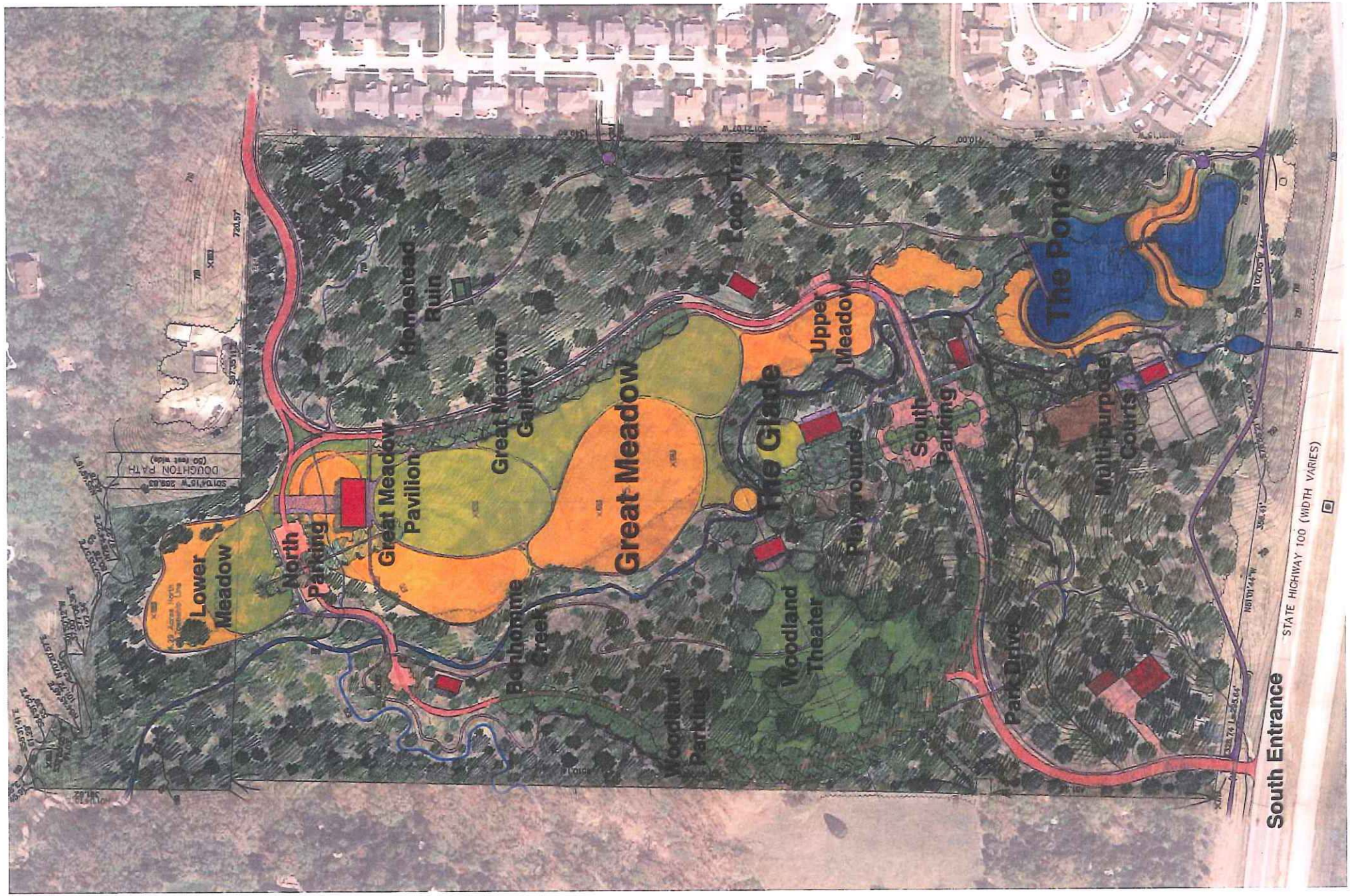
Comparable Projects

Public Participation

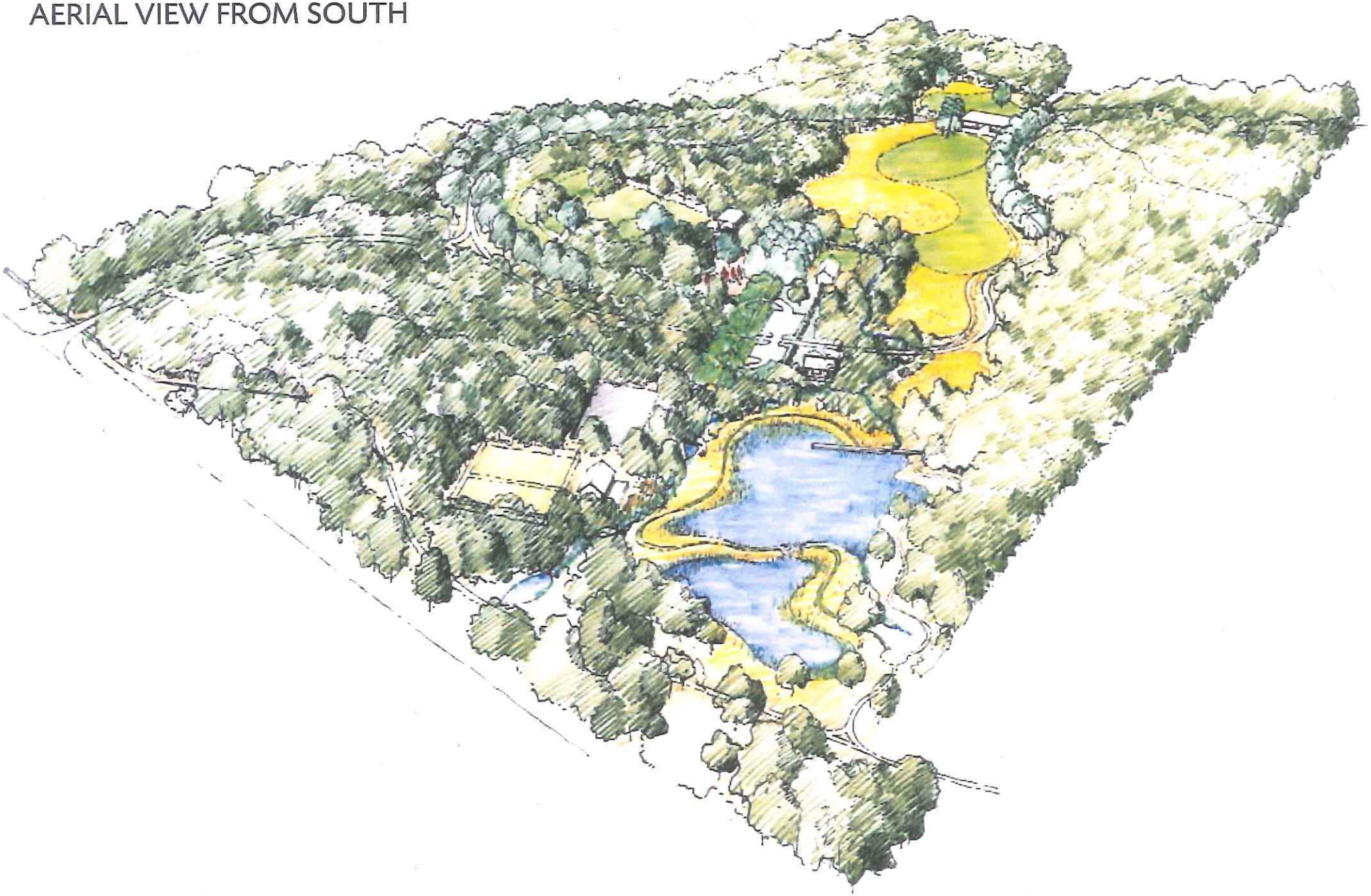
Development Frameworks & Conceptual Ideas

The Master Plan

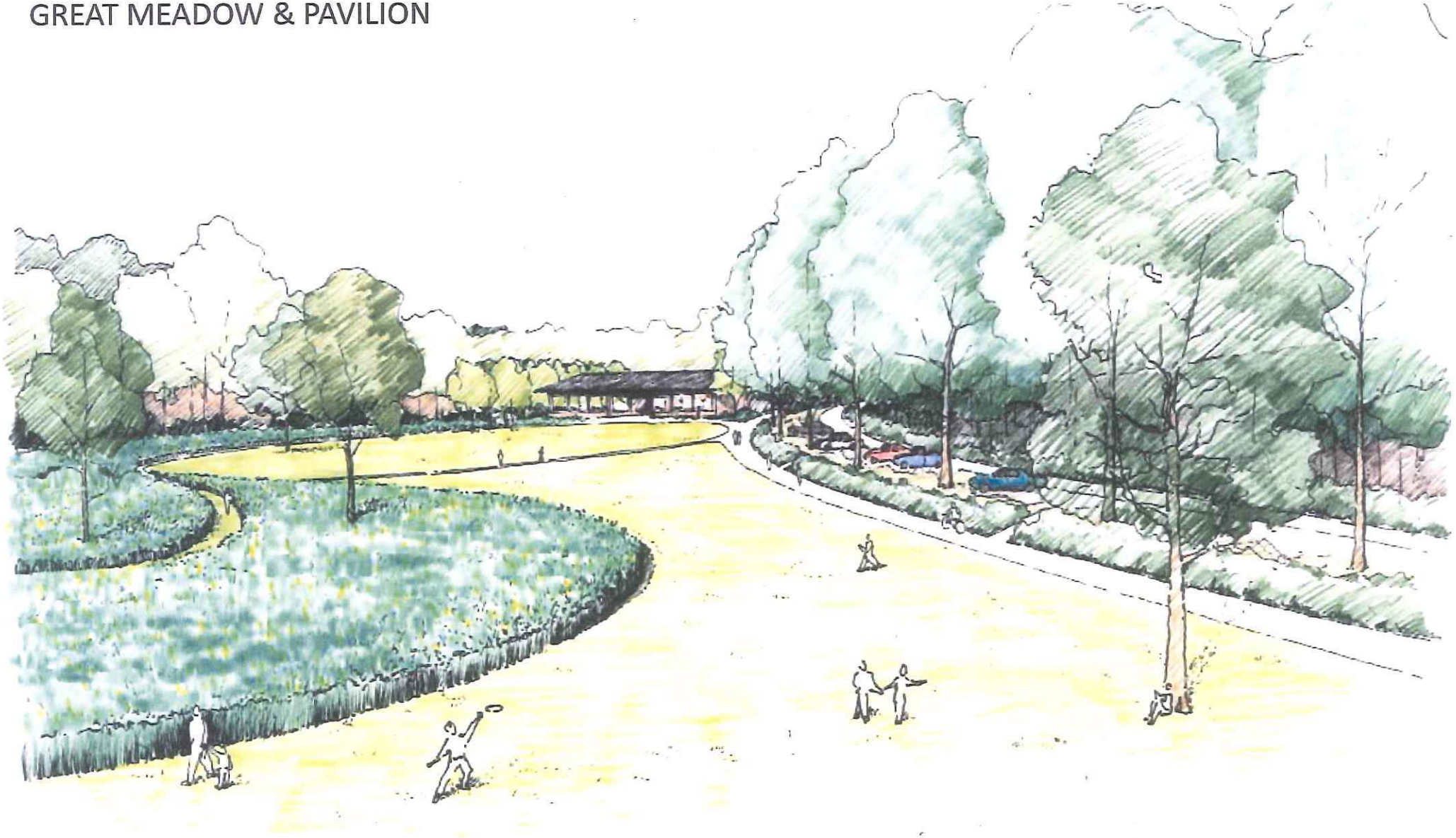
Phasing & Costs


Lower Meadow
North Parking
Great Meadow Pavilion
Great Meadow Gallery
Great Meadow
Homestead Ruin
Loop Trail
The Glade
Upper Meadow
South Parking
Playgrounds
The Ponds
Multi-purpose Courts
Bohonme Creek
Woodland Parking
Woodland Theater
Park Drive
South Entrance
STATE HIGHWAY 100 (WIDTH VARIES)
DOUGHTON PATH

AERIAL VIEW FROM SOUTH



GREAT MEADOW & PAVILION



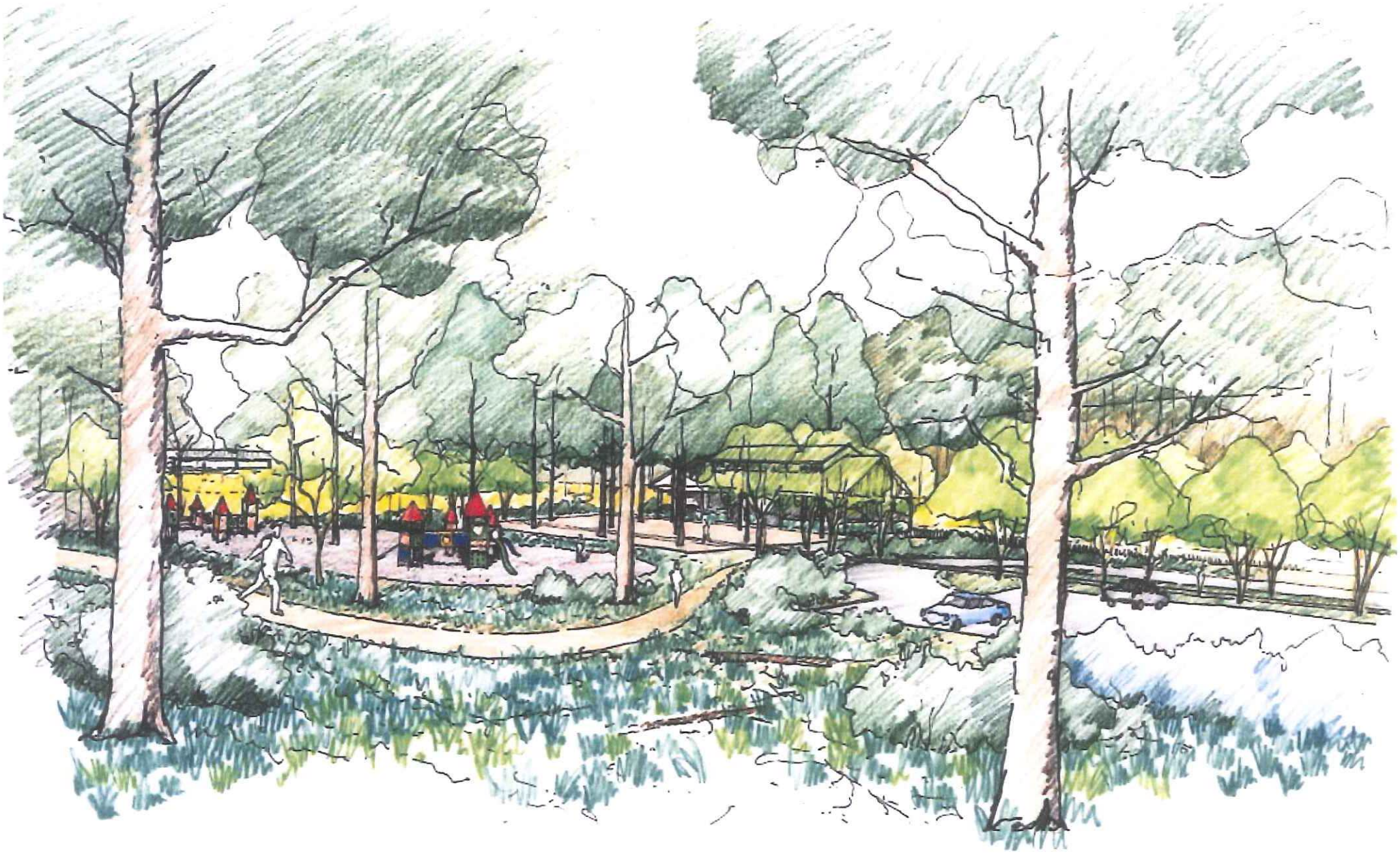
THE PONDS

WOODLAND THEATER

TREE HABITAT & COVERAGE

THE GLADE

TREE HABITAT & COVERAGE



Goals & Background

Site Photos & Site Analysis

Program

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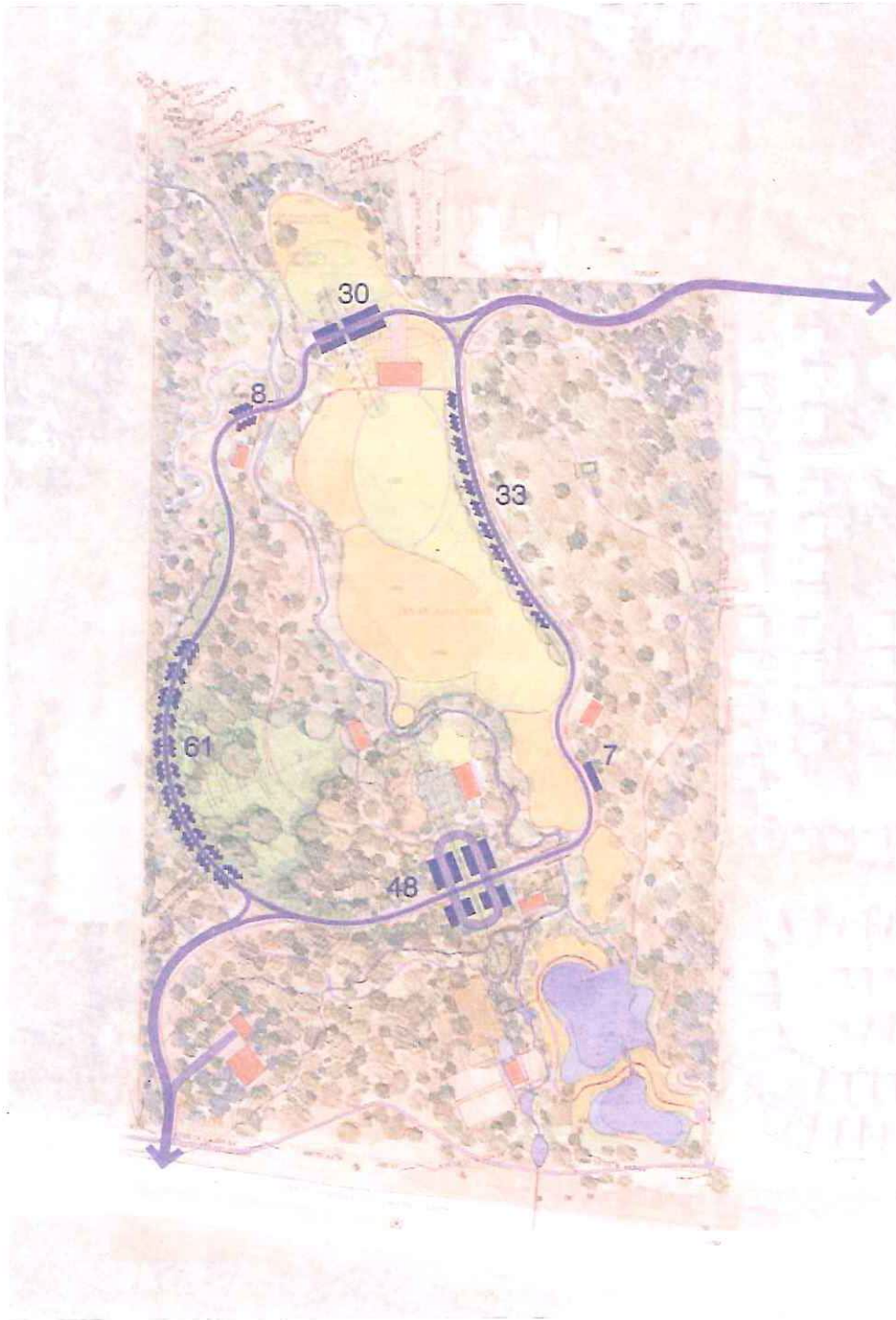
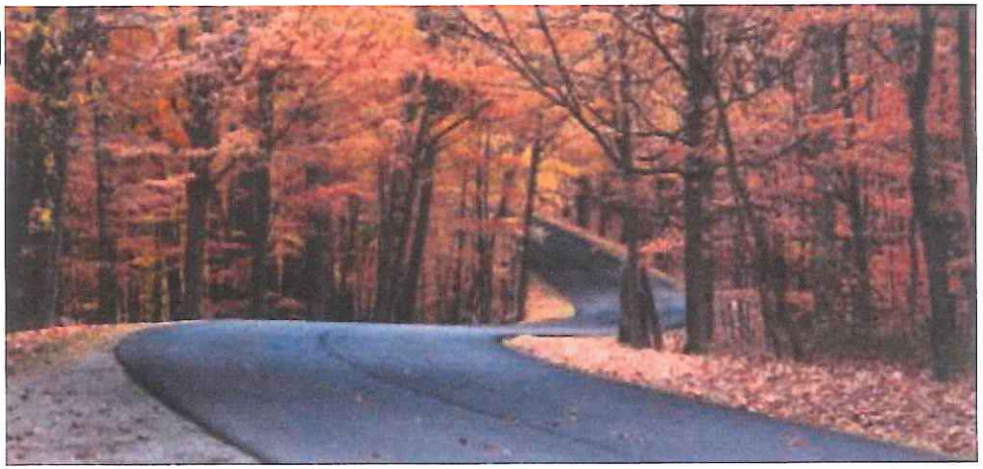
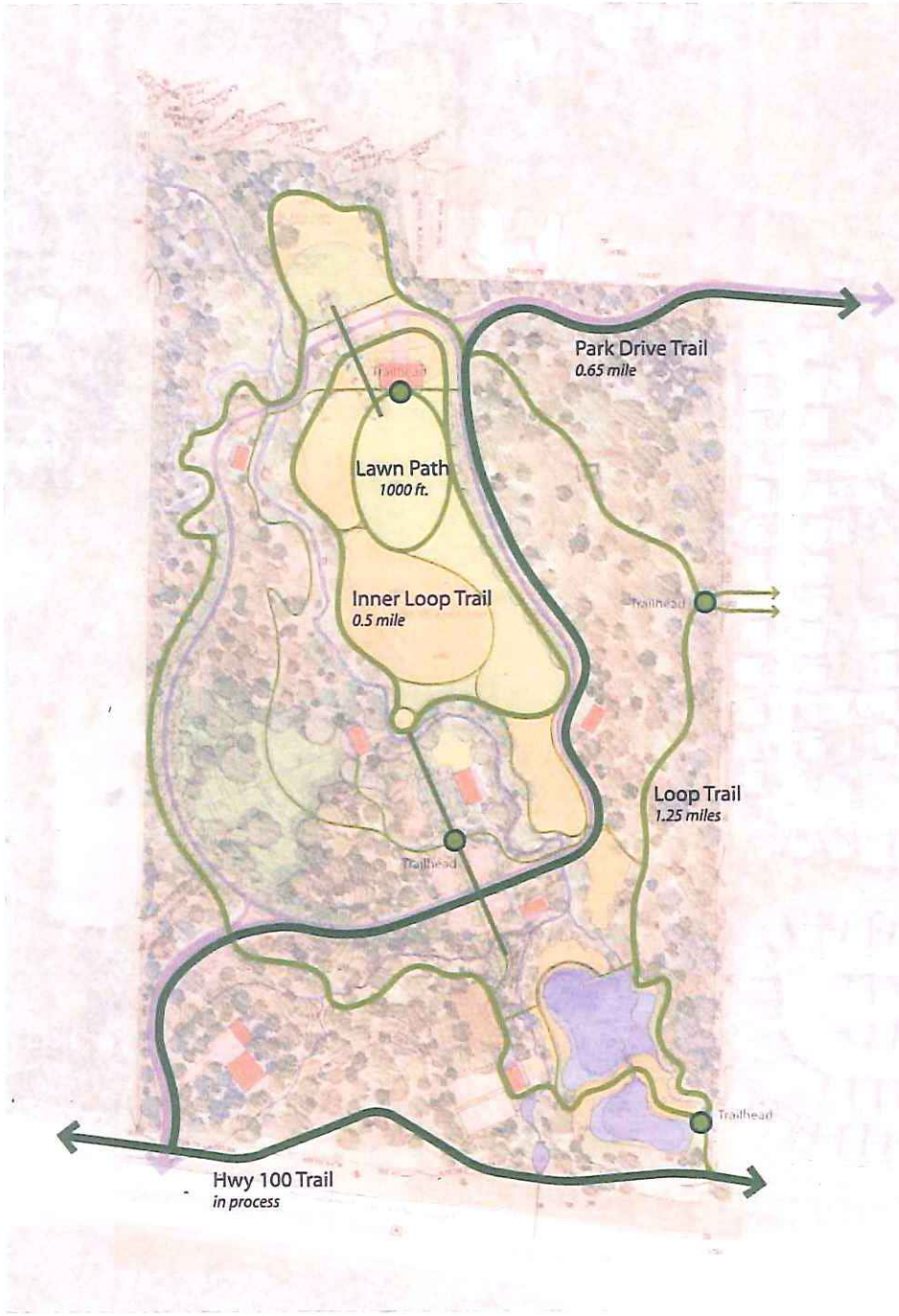
Phasing & Costs

ROADS & PARKING

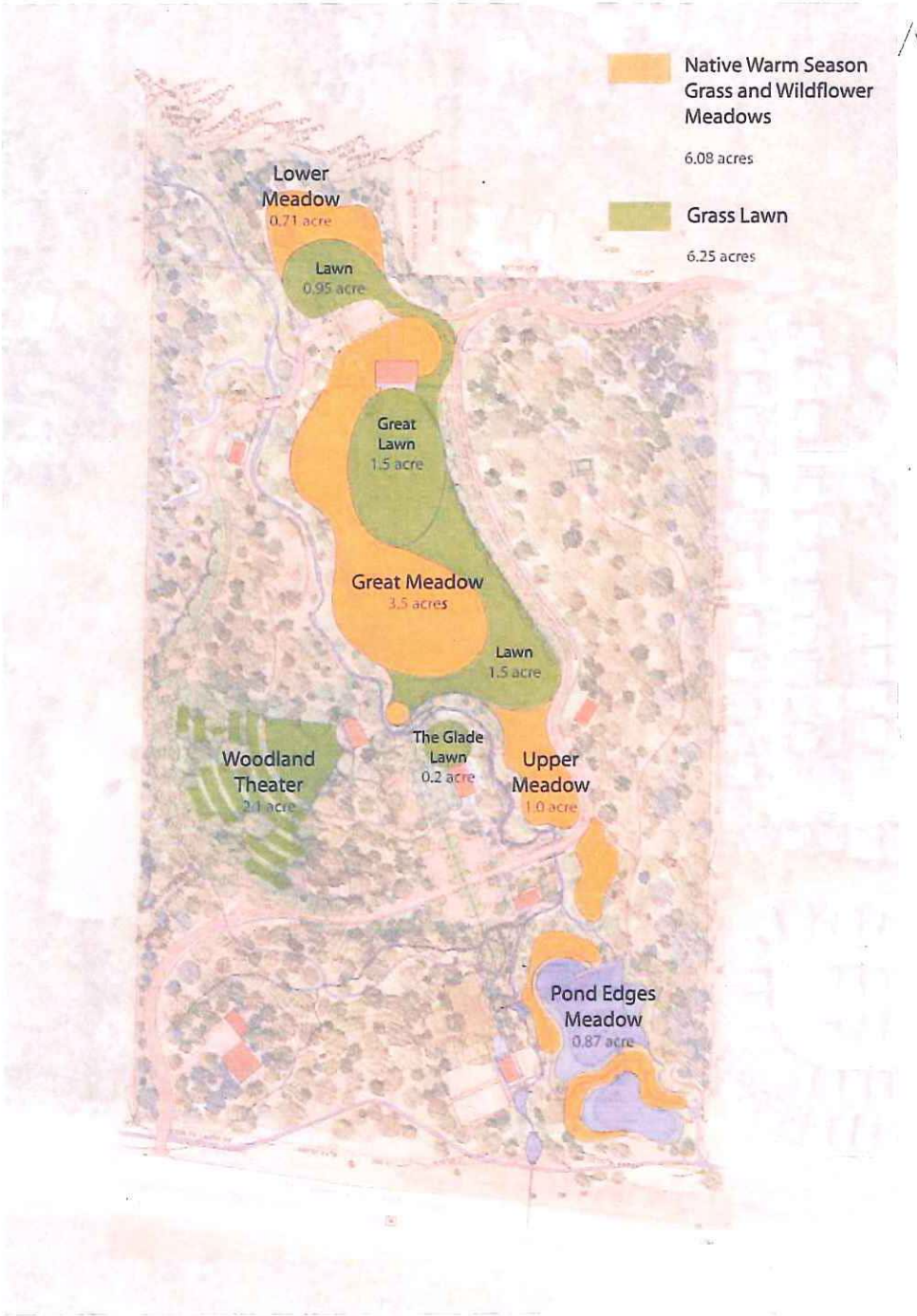




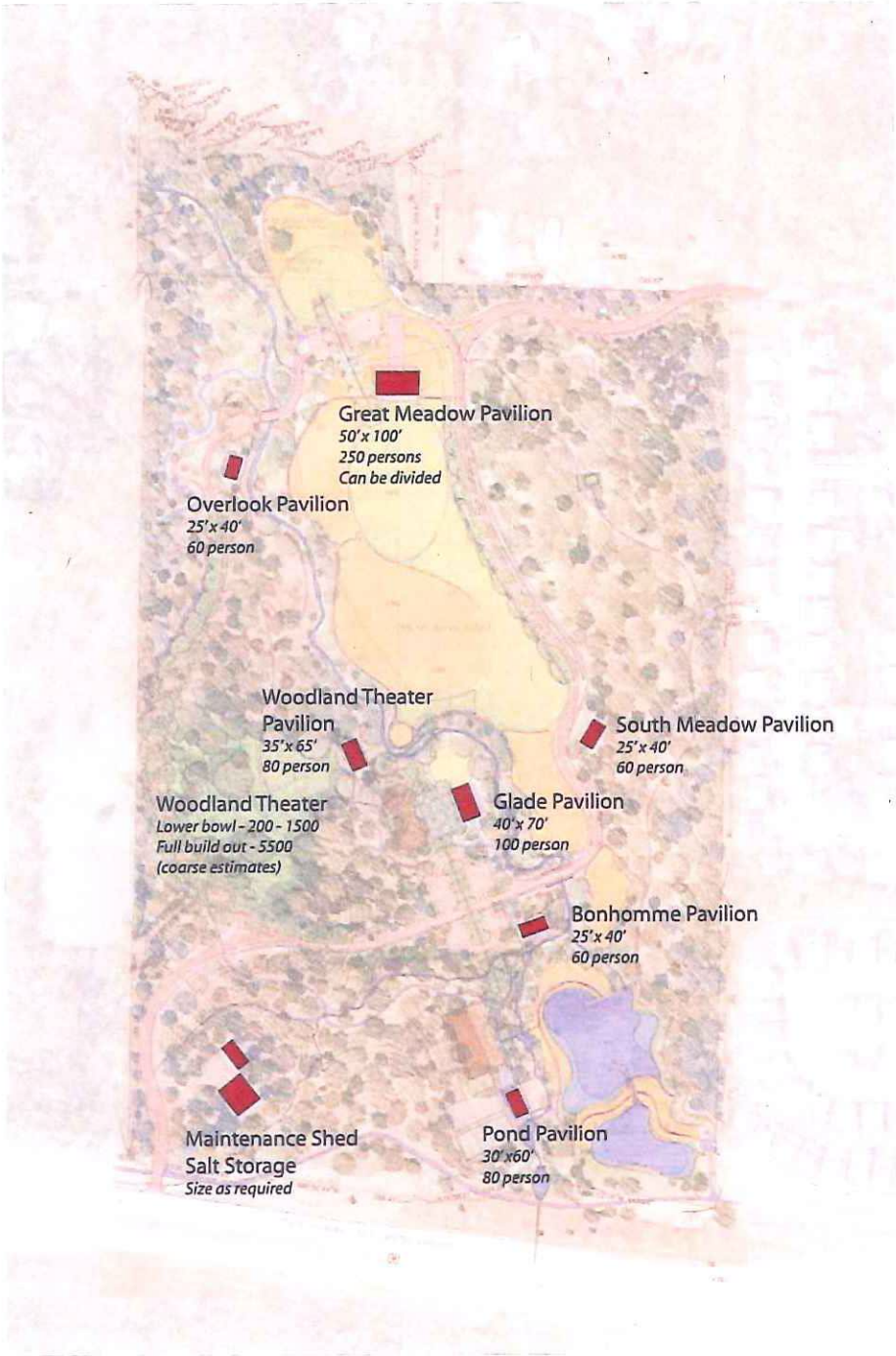
PATHS & TRAILS



LAWN, FIELD & MEADOW



STRUCTURES


Great Meadow Pavilion
50'x 100'
250 persons
Can be divided
Overlook Pavilion
25'x 40'
60 person
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Pavilion
35'x 65'
80 person
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Bonhomme Pavilion
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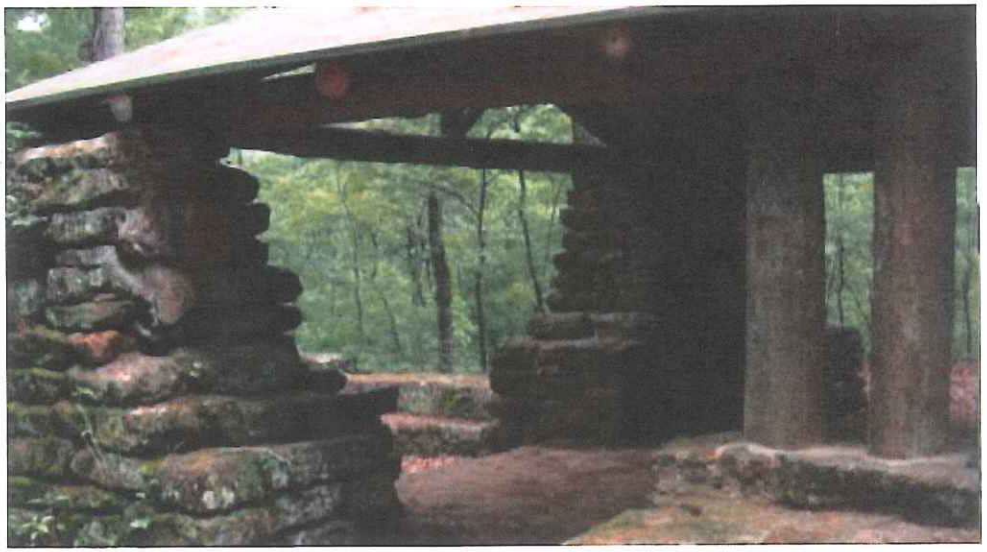
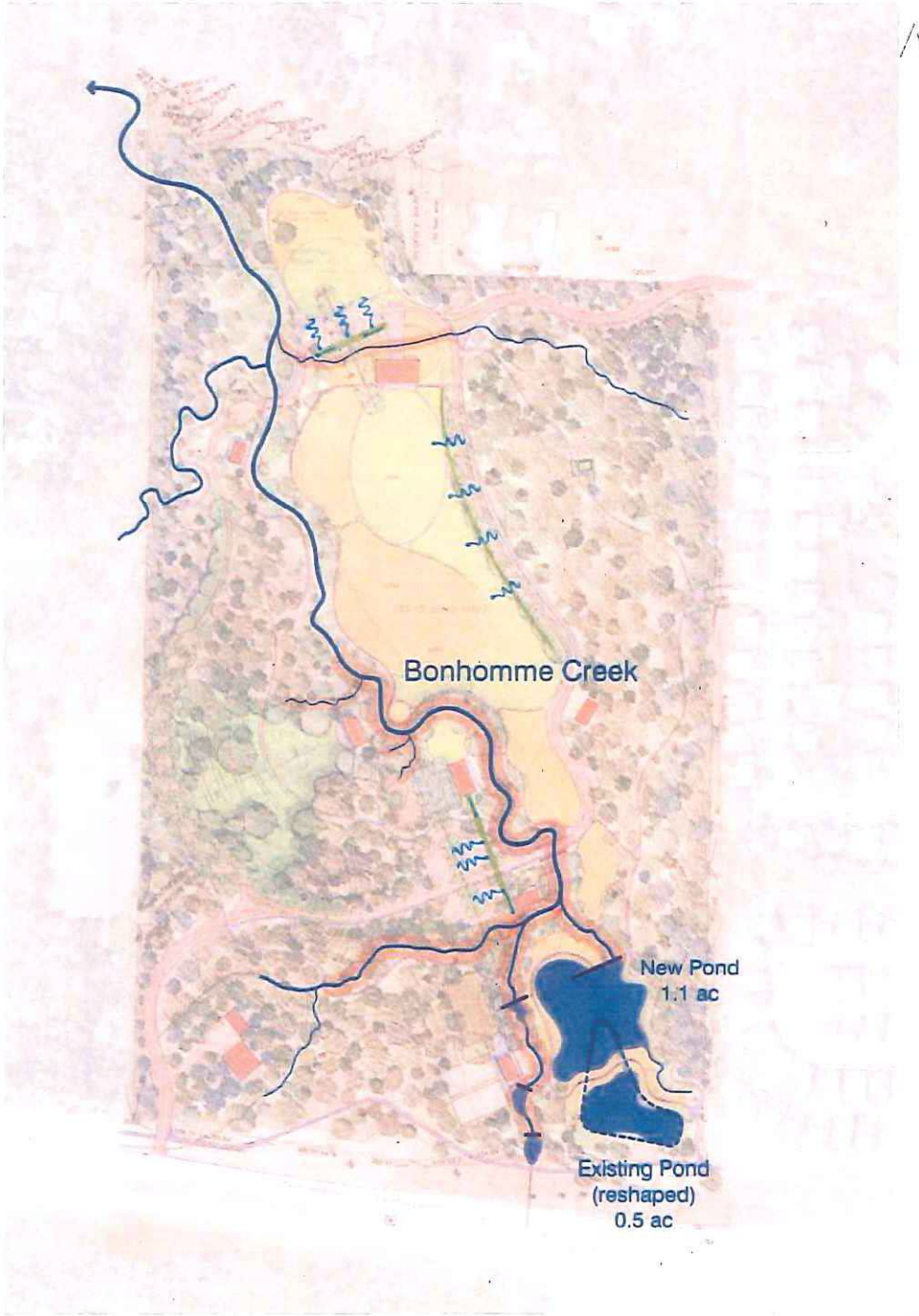
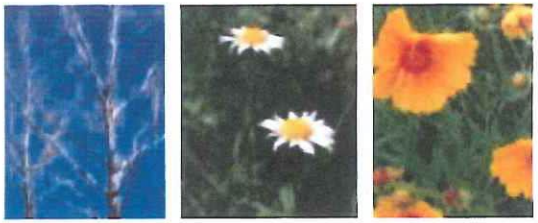
Maintenance Shed
Salt Storage
Size as required
Pond Pavilion
30'x60'
80 person



HYDROLOGY – PONDS & STREAMS



PLANT COMMUNITIES



Riparian Forest

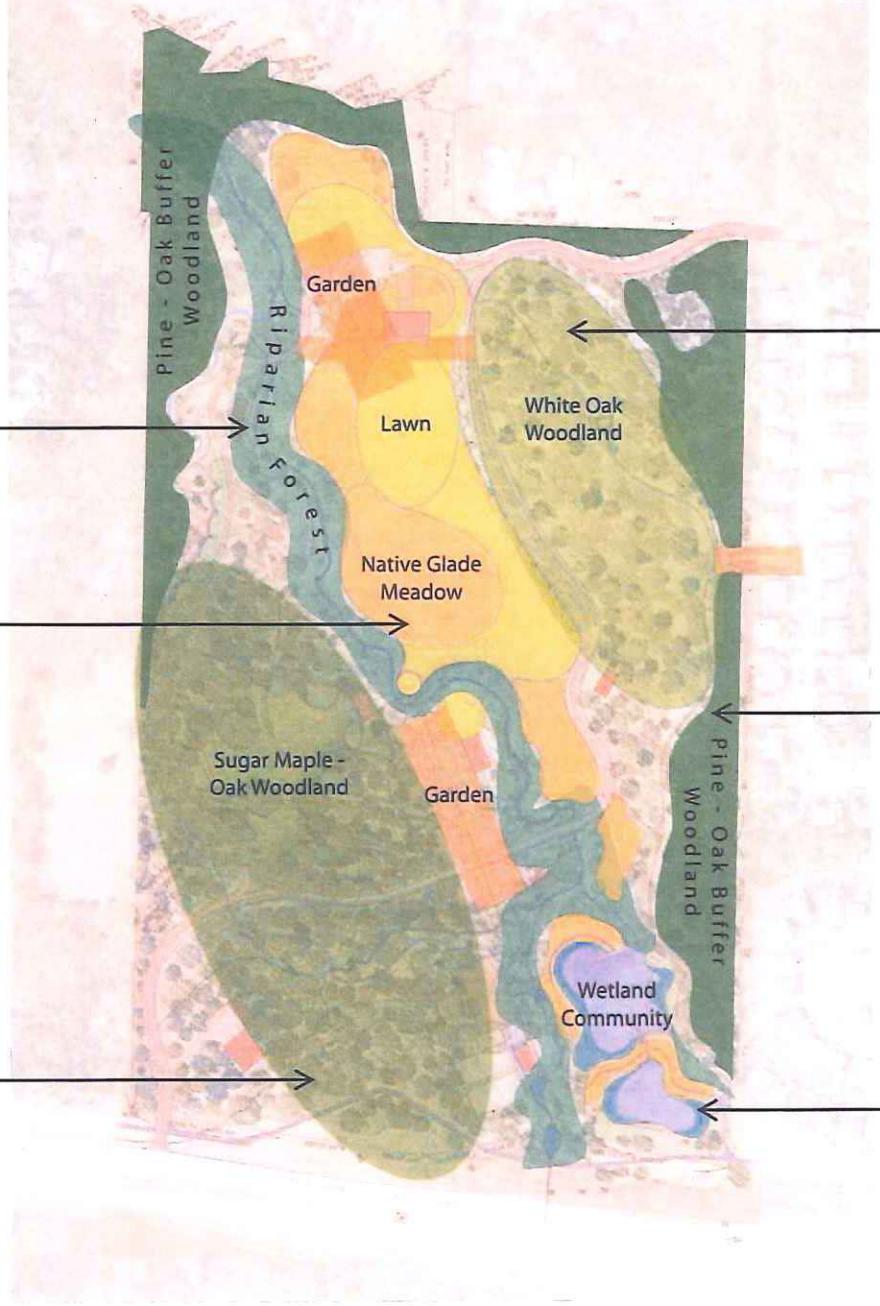
Sycamore
Cottonwood
Hackberry
Sweetgum
Sugarberry
Hornbeam
Witchhazel

Native Glade Meadow

Little Bluestem
Sideoats Gramma
American aloe
purple prairie clover
false boneset
Missouri orange coneflower

Sugar Maple - Oak Woodland

White Oak
Red Oak
Sugar Maple
Hickory
Black Gum



White Oak Woodland

White Oak
Black Oak
Post Oak
Black Hickory
Blackhaw
Redbud

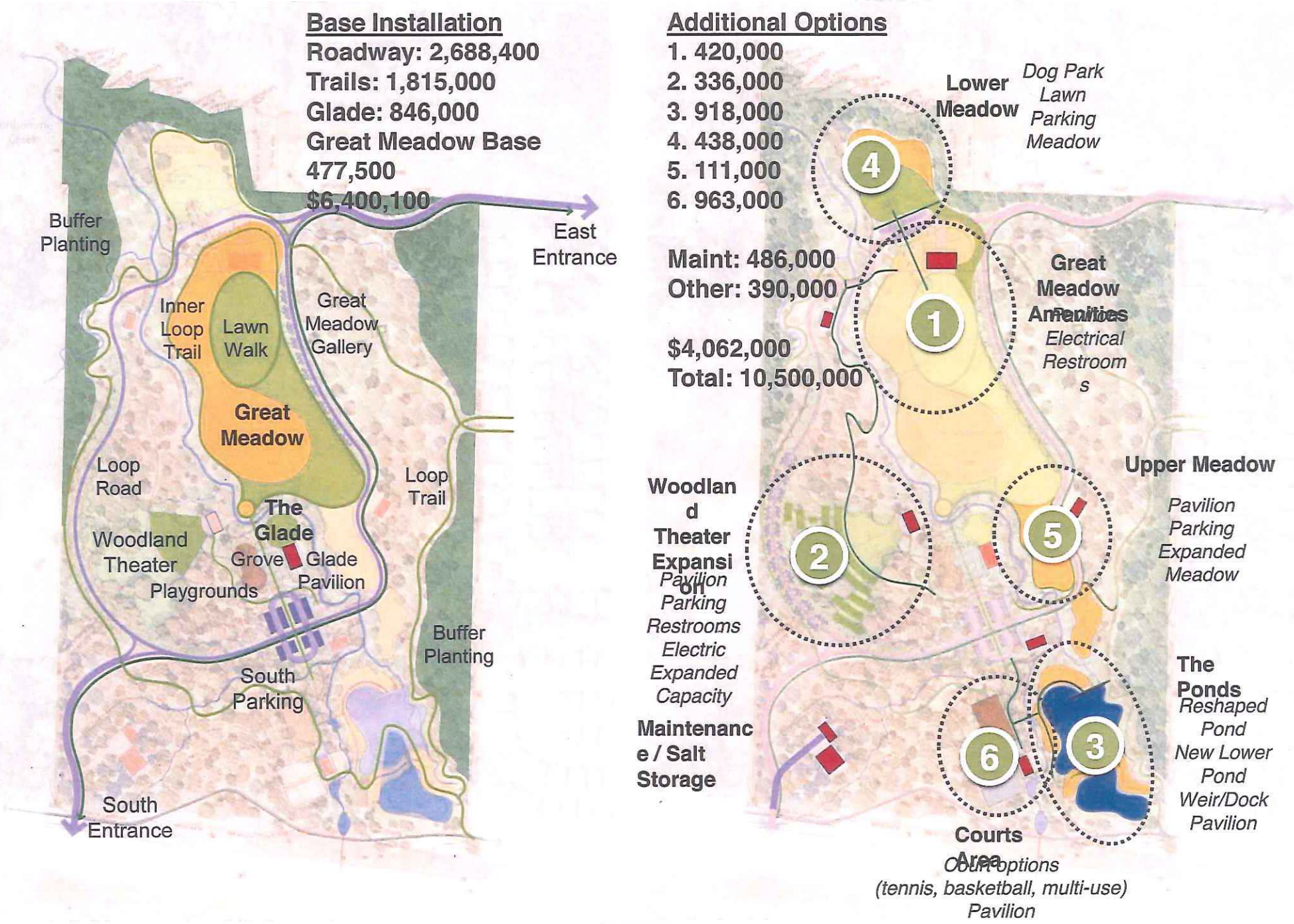
Pine – Oak Buffer Planting

Shortleaf Pine
Scarlet Oak
Black Oak
Sassafras
Red Cedar
White Pine

Wetland Plant Community

Bulrushes
Sedges
Arrowheads

PHASING OPTIONS



Contact Information:

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Project Manager
618.530.5947 cell
bill.burke@oatesassociates.com

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Wildwood, MO 63040
(636) 458-0440
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Gary Crews, Parks Director
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gary@cityofwildwood.com

Joe Vujnich, Planning Director
Ext. 115
joe@cityofwildwood.com

WILDWOOD

June 27, 2016

The Honorable City Council
City of Wildwood, Missouri
16860 Main Street
Wildwood, Missouri 63040

Re: Update on the City's Rural Internet Access Project

Council Members:

The City has received a number of updates from the two (2) providers over the last few weeks relating to their progress in bringing high-speed internet to the rural areas of Wildwood that are currently not served or underserved. Much of this activity has been spurred by the recent allowance by St. Louis County, Missouri to allow the two (2) contracted providers to the City to access the emergency communication towers that are located in Babler State Park and the St. Louis Community College's Campus in Wildwood. A summary of this activity is as follows:

- **Bays ET** (please see the attached sheet) –
  1. Upgrading all current equipment on the City-owned poles to improve coverage and bandwidth (speeds).
  2. Upgrading equipment on backhaul locations to meet current and expected demands on bandwidth.
  3. Analyzing planning solutions to last mile service locations, where the households do not have any other internet options. This planning process will identify locations in the south half of the City needing additional smaller heighted poles to act as relays to these hard–to-serve households. This information is to be provided to the Department of Planning within the next three (3) weeks.
  4. Working with St. Louis County's Emergency Communications Commission on the requirements for installation of equipment on the community college tower location.
- **Wisper ISP** –
  1. Working with St. Louis County's Emergency Communications Commission on the requirements for installation of equipment on the Babler State Park tower location.
  2. Requesting financial assistance from the City to install LTE equipment on the tower located within Babler State Park for service to a currently unspecific number of leads (households). This proposal is attached to this letter. The Rural Internet Access Committee met on June 22, 2016 to discuss this matter, and others, and supported this expenditure, but asked that Wisper ISP provide greater information on anticipated

coverage and potential customers that could be served by this location. This information is to be provided by Wisper ISP sometime over the next three (3) weeks.

3. Identifying locations within the north half of the City needing additional smaller heighted poles to act as relays to these hard–to-serve households. This information is to be provided to the Department of Planning within the next three (3) weeks.

All of these items represent the providers attempting to find solutions for these last mile locations that are presenting the biggest challenge to date for service access. The Rural Internet Access Committee was supportive and appreciative of these efforts, as well as those initiatives from the past, and agreed to meet at the beginning of August to discuss this new information and how to proceed with its implementation within the City.

At tonight's meeting, for discussion, is the agreement with St. Louis County, Missouri for the City's lease of space on their two (2) Wildwood towers for this purpose. The City Attorney and the attorney representing St. Louis County have been working together to ensure the agreement is appropriate for all parties. If the City Council concurs with the agreement's content from the Work Session discussion upon it, the Department will request the necessary legislation receive first reading during the Regular Session of tonight's meeting. This agreement represents a major breakthrough for the City in terms of accessing these two (2) towers for service purposes to Wildwood residents.

During the aforementioned meeting of the Committee on June 22, 2016, the following information was provided by the two (2) providers, which indicates progress in addressing the needs for high-speed internet service in the rural areas of the City:

- 300 households are being served by Bays ET in Wildwood
- 107 households are being serviced by Wisper ISP in Wildwood
- Approximately $45,000.00 is available in the City's Capital Improvement Budget for the rural internet access project.
- Approximately another $45,000.00 will be needed to fund all the components of the most recent plans of the two (2) providers (Department of Planning estimate, which is to be verified by the information to be provided by the two (2) providers).

An estimate of approximately 200 to 300 households remain in Wildwood that have poor or no service options and are actively seeking such from a provider. This amount is approximately 900 to 1,000 households less than the City's original estimate of unserved or underserved households from the start of this process in December 2007.

If any of the City Council members should have questions or comments in this regard, please feel free to contact the Department of Planning at (636) 458-0440. Thank you for your continued support of this project and the efforts to address the needs of rural Wildwood residents.

Respectfully submitted,
CITY OF WILDWOOD

Joe Vujnich, Director
Department of Planning

Cc: The Honorable James R. Bowlin, Mayor
Ryan S. Thomas, P.E., City Administrator
John A. Young, City Attorney
Kathy Arnett, Assistant Director of Planning and Parks
Chris Bay, Malinda Heuring, and Nathan Stooke, Service Providers – Bays ET and Wisper ISP

BAYS-ET
High-Speed Wireless Internet
Powered by Motorola

Network upgrade road map – 63069 – Customer Access June 2016

Sites planned:

63069.ATC-Gray-summit (Pending)
- 63069.melrose (complete)
  - +++Add cambium 450i 900 for woodland hills+++ (pending)
- 63069.hawksrest (complete)
  - 63069.small-hawkrest (complete)
  - 63069.whiskey-creek (complete)
- 63069.tamara-trail (completed)
- 63069.fox-creek (stage 1 complete, pending 2 and 3)
  - 63069.vixon (pending)
- 63069.deer-hallow (completed)
  - 63069.vixon2 (pending)
  - 63069.stoval completed)
- 63069.fox-mountain (pending)
- 63069.mystic-valley (pending)
- 63069.henken (complete)

63069.south-pacific (complete)
63069.west-pacific (complete)
63069.east-pacific (complete)
63069.allenton-hemmer (in progress, stages 1 & 2 complete, 3 pending)
63069.allenton pole New install (complete)
63069.stones throw new install (complete)
63069.east-melrose new install (complete)

Bays-ET High-Speed
517 W Osage
Pacific, MO 63069

PHONE (636) 334-9353
E-MAIL sales@bays-et.com
WEB SITE http://www.bays-et.com

Work overview

63069.ATC-gray-summit

Core:

PTP to 63069.south-pacific (complete)
PTP to 63089.ATC-west-boles (complete)

Customer edge: replace all UBNT edge access gear with cambium (pending)
Wimax access, retire (inprogess)

Wildwood PTP links: replace all UBNT links:
1: combine poles to 2 poles per point of access (complete)
2: install all new cambium links, (in-progress) 3 of 10 complete

Future, 6 to 12 mths: add major PTP to stl county EMS tower (no hard date), off load hencken and east Melrose poles.

Expand cambium access bandwidth (pending removal of all UBNT edge access)

Review network access capacity, possible increases to speed offerings.

Design and begin small pole implementations and or technology additions to reach un-served wildwood residents

Replace all repeaters with cambium

Add tower ATC Apke
Add tower BW Nike Missile

Future over 12-18 mths:

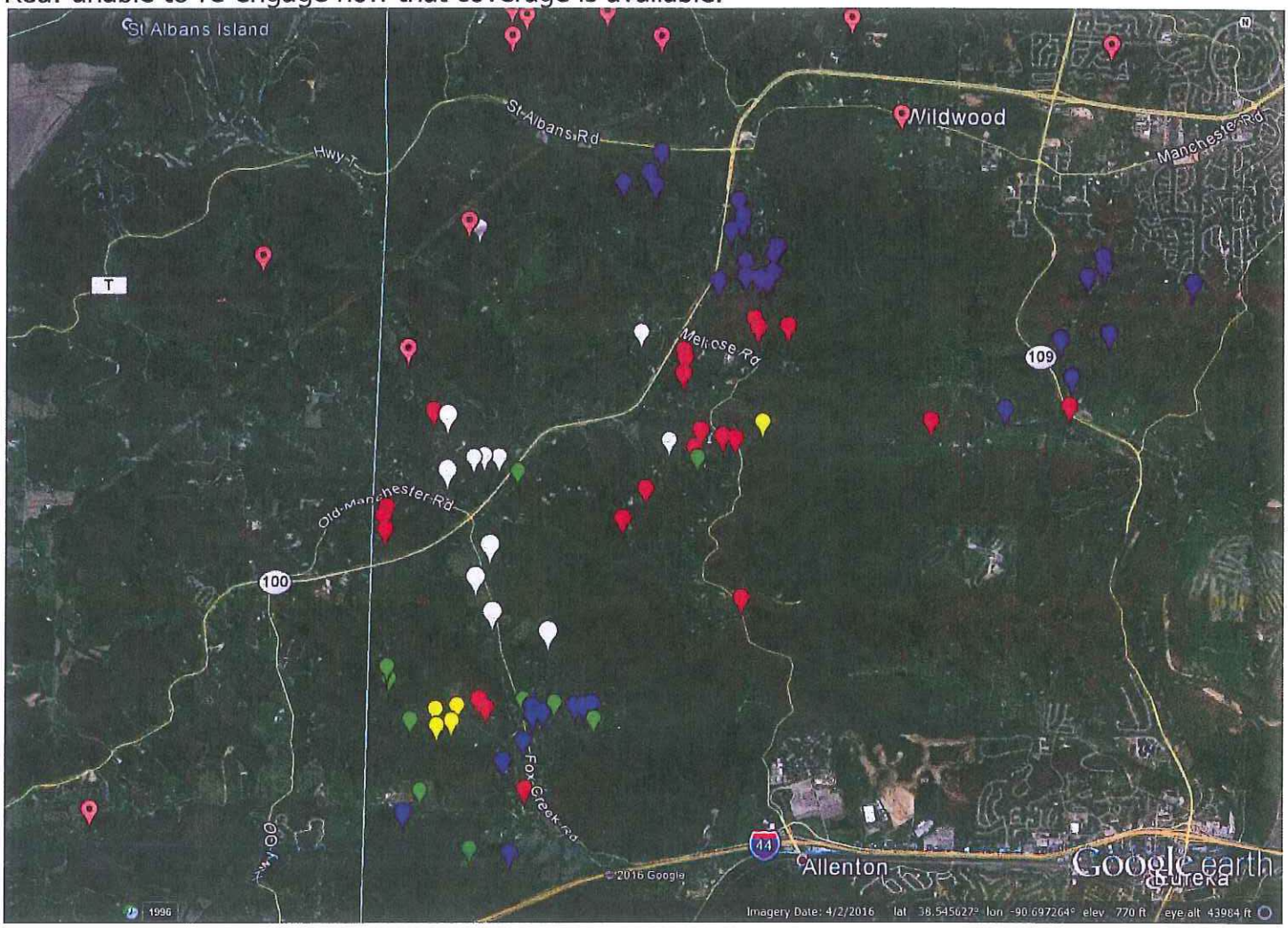
All existing network expansion, upgrades and modifications complete 63069

Introduce new services.

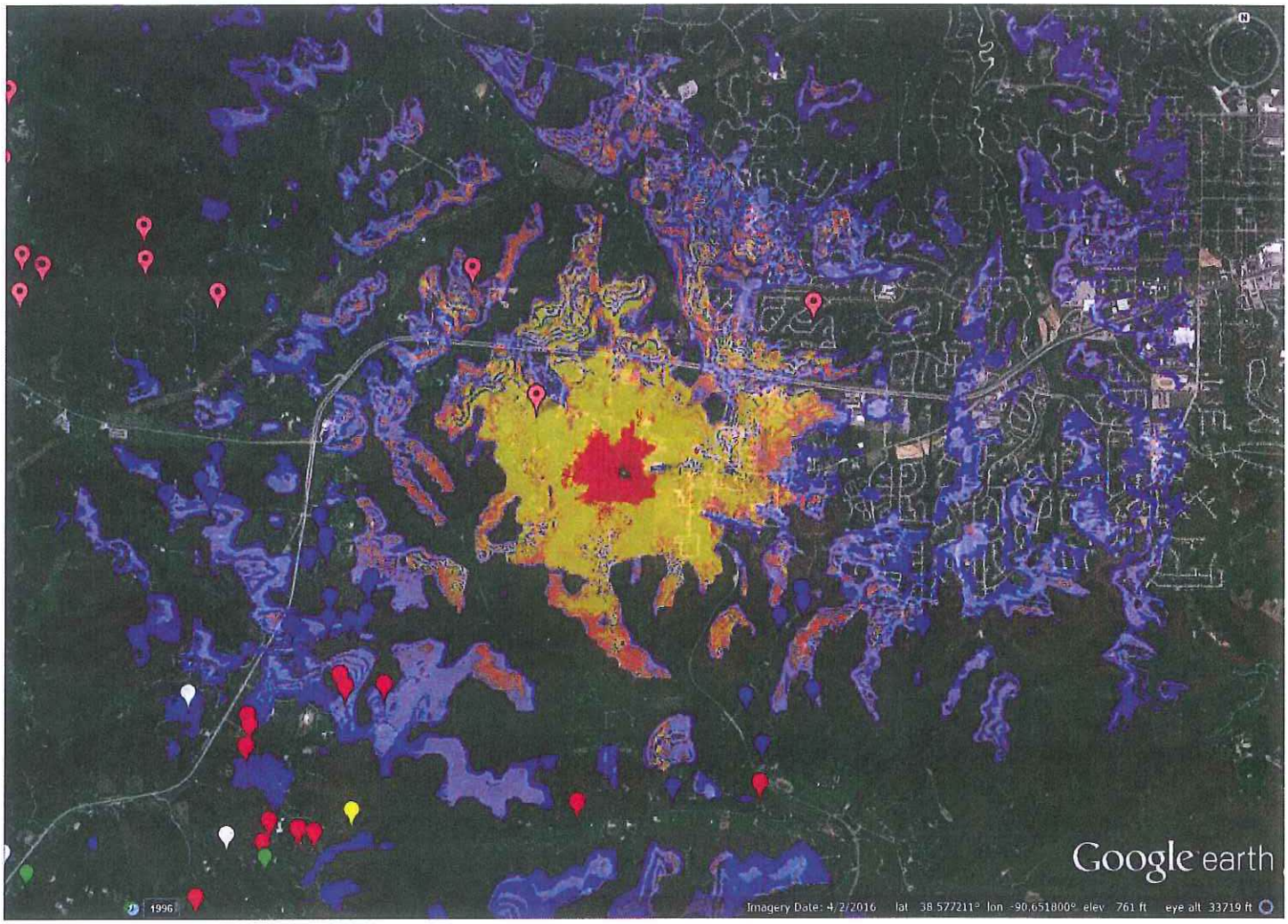
Notes:
Wildwood customers served:

total pole customers: 233
total free: 14
ATC or other towers: 50
Total serviced: 297

Map of pending leads:
White: confirmed gone to ATT or other provider
Blue: special action needed to serve
Green: expected to connect after Cambium conversion
Yellow: special install needs
Red: unable to re-engage now that coverage is available.



Coverage from college tower at 155'



LTE from Israel:

Project has been abandoned, performance was substantial less than expected. Could not maintain performance at lower RSSI as required. FCC pulled certification of CPE equipment.

Cambium 450i will be used in its place, forecast penetration isn't comparable, but worth equipment investment. Cambium operates as promised and delivers as expected.

From: **Nathan Stooke** nstooke@wisperisp.com
Subject: St Louis County Tower
Date: June 14, 2016 at 12:29 PM
To: Joe Vujnich JVujnich@cityofwildwood.com, Larry McGowen mcgwildwood@att.net
Cc: Malinda Heuring mheuring@wisperisp.com

Hello,

It looks like the county tower is going to happen. This is great news. I can not wait to get installed on that tower. It will help all of the existing customers as we will bring in more bandwidth to the tower and then distribute it to the other poles in the area. It will also allow us to get service to many of the people still waiting for service.

Even though we have a little bit of time before we can install on the tower I wanted to start the planning process with you. In the past we talked about the city helping pay for the non line of sight gear we need to install on the tower. In the attached proposal from Nov 2014, wow that is a long time ago, we were asking for $44,000 for the 2 poles. We are planning on installing the same equipment on the St Louis County tower. It did not work well enough on the poles back then so we did not install it. Now we can install it in LTE mode and the software on the radio has been upgraded a ton since 2014. The poles were too short to get to the customer's in the area around the pole that really needed it. The taller St Louis County tower should have a much better shoots to the customers and in this case being a little further away from the customer will help.

We are going to install more equipment on the tower then we where planning on putting on the 2 poles. We still need about $16,000 for the customer gear. We will need to buy about $36,000 in equipment that is installed on the tower, not $28,000. This would be a total of $52,000 we need for the gear. In the past the plan was to have Wisper buy and install the gear and then invoice the city for reimbursement. Cash is tight at Wisper as July is a 3 payroll month for us, so I was wondering if we could get a check before the install. This would allow us to order the gear now and be ready for the install as soon as the tower is available. I do not want our cash flow to delay the install, any further, on the tower given how long we have all been working on this.

After we install on the county tower we will do testing to see if we need to install a short pole in the Wild Horse Creek subdivision. This would be a pole that could be the same height as the trees and used to get people on the South side of the Wild Horse Creek subdivision. We will keep you posted once we can do the testing.

Thanks

WildwoodNLOS[2].docx

Wildwood, MO, Non Line Of Sight

25 November 2014

Wisper is always looking for the best solution to provide service to our customers. The challenges of providing Internet service in Wildwood are known. Wisper currently provides service to about 100 customers; however, we are aware of more than 100 customers still needing high-speed Internet service.

There are several ways to help close the gap on the 100+ customers who still need service--repeaters, new wireless gear, the counties tower, and fiber. Each option has its own benefits and drawbacks and realistic timeframe. Sometimes the best solution is not chosen due to the length of time or cost needed to deploy. Wisper's driving force in our decisions has always been how do we get the most people the most reliable service the soonest. It does no good to wait four years for the best solution.

With the delays in gaining access to the new tower in Babbler Forest State park and the loss of the Wild Horse Creek pole location, Wisper has been limited in its options to provide service to a large number of the residents who still need service. Wisper has been testing a new non line of sight solution that we feel will provide service to about 60 of the approximately 100 residents who have contacted us that still need service. This equipment is significantly more expensive then our line of sight equipment, however it will allow us to provide service to the residents we cannot with our line of sight service, taking everyone one step closers to providing everyone with a high-speed Internet option.

Instead of funding the Wild Horse Creek pole install and several small repeaters, Wisper is requesting the city help fund the purchase of the new non line of sight equipment. Wisper would start by deploying the equipment on two poles, Grand Meridien and Reiger Road, helping about 60-70 residents gain access to reliable high-speed Internet. The cost of the equipment is about $28,000 total for the two poles and $16,000 for the equipment needed in the customers' homes. Wisper is prepared to install the equipment before the end of the year, weather permitting.

Wisper understands the City has already gone above and beyond helping us provide service to the people that live and work in Wildwood. With the continued support from the City of Wildwood, Wisper is excited to move one step closer to providing 100% of the residents of Wildwood service.

3680 Lebanon Ave. #101
Belleville, IL 62221