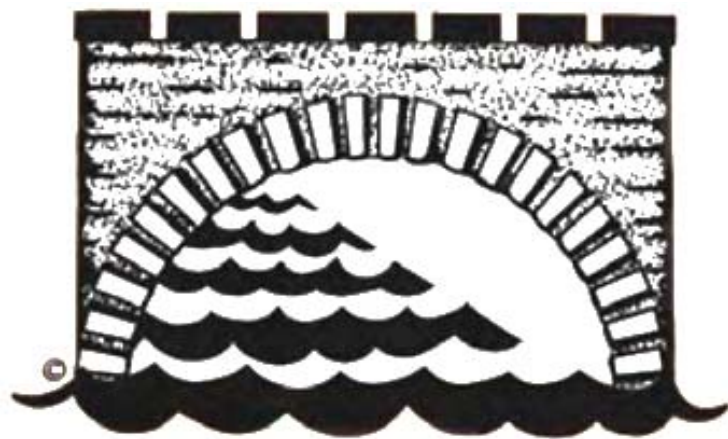




Village of Fayetteville

Incorporated 1844



Parks Master Plan Update

Prepared by:



JANUARY 2018

Approved by the Village Board of Trustees
on January 22, 2018

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Chapter 1: Foreward

Parks and open space are important contributions to the quality of life, to the social fabric of a community, and to the physical and emotional health of its residents. Awareness of the importance of parks led the governing bodies of the Village of Fayetteville to place a high priority on providing for active and passive recreational opportunities.

Fayetteville's Mayor Mark Olson, Board of Trustees, and Parks Commission want the recreation opportunities and activities to serve the needs of all Village residents now and in the future. This report updates the Village of Fayetteville Parks Master Plan created in 1997. The purpose of the updated Parks Master Plan is to provide existing park inventories and to define improvements that support a variety of recreation opportunities and activities that utilize the vast recreational opportunities the Village has to offer. It is a tool to guide future improvements to the Village park system

The current demand for park land, recreational facilities, and open space was determined from data gathered by a community wide survey, a public forum and comments from various groups and agencies that use the village park facilities. The National Recreation and Park Association (NRPA) has set guidelines for communities to follow when developing recreational facilities. Currently, the NRPA recommends communities to develop needs based parks and recreation programs based on their specific needs, and not a population guide as utilized in the 1997 document.

The Village encompasses a wide range of recreational opportunities and activities. The Village, State of New York, Fayetteville-Manlius School District, the YMCA and other commercial and private organizations provide a variety of parklands, recreational facilities and programs available to the residents of the Village and surrounding area. Emphasis has been placed on providing recreational facilities "close to home" where parks can be easily reached by those who are less mobile, such as children or seniors citizens.

A continuing goal is to create greater non-vehicular connectivity between parks and various parts of the Village. The Village of Fayetteville began along Limestone Creek, and its early industry was made possible through the development and use of water power from Ledyard Canal, as well as from Bishop's Brook. Limestone Creek goes completely through the Village from south to north, connecting natural areas within residential and business districts. There are several public properties along the creek within the Village, some of which are owned by the Village, and some are owned by New York State. These properties provide an excellent opportunity to develop a recreational corridor along the creek, providing multiple recreational opportunities accessible to all Village residents and business patrons.


The development of the Limestone Creek Recreation corridor will provide a major community asset at a relatively low cost. The trail system proposed here will provide an alternate mode of transportation between neighborhoods, and from neighborhoods to the business district, as well as to a variety of recreational opportunities.

The Ledyard Canal is an existing Village greenway corridor and water source for Beard Park pond. It provides an opportunity to interpret a part of the history in the development of the Village. It is also suitable for future development as a linear park.

Bishops Brook Recreation corridor in the eastern end of the Village also would provide an opportunity to connect neighborhoods with other neighborhoods and with other recreational facilities and parks.

Duguid and Golden Parks are outside of the Village and are currently underutilized as park land. Briar Brook Run, which includes a portion of Bishops Brook running through it, has public land intended for recreation and physical connection to Golden and Duguid Parks. The improvements that are proposed in this plan for these parks take advantage of the many natural features available.

This report concludes with a priority listing of proposed projects. As always, such proposals are subject to change, but we feel that they most directly reflect the philosophies outlined above. This Master Plan update provides future planners with guidance for spending limited available resources to gain the greatest recreational benefit for the residents of the Village of Fayetteville.



Although the recommendations contained herein are specific in nature, we would expect the reader to absorb this report, and if necessary, make the appropriate comments and suggestions by way of the Parks Commission, the Village Clerk, or elected officials. We hope you read this document with as much enthusiasm as we had in researching and preparing it.

Respectfully submitted,

Fayetteville Parks Commission



Chapter 2: Comprehensive Plan

The Village of Fayetteville has a comprehensive plan entitled "Fayetteville Comprehensive Plan," which was originally created on November 3, 2008 and updated in August 2014. A copy of the Comprehensive Plan can be found on the Village of Fayetteville Website at: <http://www.fayettevillenyny.gov/TheVillage/ComprehensivePlan>. The purpose of the comprehensive plan is to focus on the goals of the community and how to achieve them. The Vision statement for the Village further supports this:

"The Fayetteville community is committed to sustaining our quality of life. We do this by preserving our historic character as a small village, protecting our natural resources, encouraging pedestrian connections, and promoting local and regional heritage. We support economic development that enhances our quality of life."

The goals and strategies listed within the document help support the vision for future development of the Village of Fayetteville. Within these goals and strategies, the Village of Fayetteville parks are mentioned in several sections. Below are select excerpts from the "Fayetteville Comprehensive Plan" which relate to Village parks.

Goals, Strategies, and Recommended Actions (Chapters 3 and 6)

Land Use and Development (Pg 16)

Goal: "Preserve and enhance the Village of Fayetteville's existing small village character while encouraging a sustainable mix of recreational, residential, and commercial uses."

Strategies:

LD7. "Invest in aesthetic improvements to public spaces to improve community neighborhood character, enhance property values, and encourage private investment. Targeted investment in physical improvements to public places (e.g., landscaping, streetscape improvements, public art, and signage) will help establish Fayetteville as a community with exceptional aesthetic character..."

Actions: (Pg 37)

LD7.1 Recommends for public spaces including parks to incorporate a high level of design, landscaping and pedestrian amenities. Funds should be allocated for continued maintenance and improvements. Recommendations for natural and cultural resources include highlighting the Fayetteville Feeder Canal as a connection to the historic Erie Canal and the Ledyard Canal as a power canal.

LD12. "Maintain an identifiable and unique branding that embraces the Village's culture, character and history, and enhances community identity."

Natural & Cultural Resources (Pg 17)

Goal: "Preserve, protect and celebrate the natural and cultural resources that contribute to the Village's unique character and perform important environmental functions for the community."

Strategies:

R1. "Identify, preserve and manage the natural resources including the trees, parks and water throughout the Fayetteville community."

Actions: (pg 40)

R1.1 "Coordinate municipal efforts to identify and track the appearance and spread of Emerald Ash Borer, and respond to each case as appropriate."

R5. "Support opportunities to enhance the interpretation of Fayetteville's Canal history"

Transportation (Pg 18)

Goal: "Protect and enhance the quality of life in the Village by maintaining a proper balance of pedestrian/bicycle mobility, safety and convenience and vehicular traffic flow."

Strategies:

T7. "Promote and support pedestrian mobility, improve safety and comfort of pedestrians, encourage pedestrian activity, and provide pedestrian accessibility to all destinations."

Actions: (pg 44)

T7.1 "Improve access to and along Limestone Creek, Fayetteville Feeder Canal, and Bishop's Brook with new trails interconnected to sidewalks."

T7.3 "Special consideration should be given to using waterways, like Limestone Creek, to inter-connect destinations."

T7.5 "Pursue acquisition rights or easements in areas where pedestrian circulation in the Village could be enhanced..."

T7.7 "As part of the new Park project program, develop a water access point for car-top boat access (canoes/kayaks) along Fayetteville Feeder Canal and improve and promote a fishing access along Limestone Creek."

T10. "Support bicycling initiatives."

Community Facilities and Services (Pg 20)

Goal: "Maintain and enhance community facilities and services to meet the needs of current and future residents and businesses."

Strategies:

FS2. "Continue to support the Tree Commission and Parks Commission in their efforts to enhance greenspace and beautify the village."

FS7. "Improve public access to the Village's water resources."

FS8. "Enhance recreational and community programs for all age groups."

FS9. "Enhance the appearance, functionality, and safety of Village-owned recreational properties."

FS11. "Work with adjacent municipalities to connect to existing and/or develop new recreational trails."

FS14. "Incorporate a high level of architectural and site design into public facilities such as Village buildings and parks because they are important to civic life and the visual identity of the community."

FS15. "Regularly reevaluate and update the existing Village Park Master Plan (uses, assessments, needs) and coordinate with future Comprehensive plan updates."



Chapter 3: Demand for Recreational Opportunities

General

The demand for recreational facilities and parks in the Village of Fayetteville has been determined through the analysis of the current participation in recreational activities, interest expressed by the Village residents, recreation groups, and physical characteristics of the Village.

Physical Characteristics of the Village

The Village of Fayetteville lies completely within the Town of Manlius, and is mostly residential with a central commercial core along the Genesee Street corridor. The Village is generally surrounded by commercial on the west, residential on the south, undeveloped land to the east, and Green Lakes State Park with over 1700 acres of park land on the north. There are an abundance of steep slopes in the Village, especially along Bishops Brook and Limestone Creek, which contain largely wooded areas with steep slopes at the edges, and wet areas and flood zones along the stream banks.

Historical

The Village of Fayetteville prides itself on having several historically significant elements. Some of the historically significant places include the Ledyard Canal, Grover Cleveland Honors Park, springhouses in Duguid Park, limekiln on the east side of the Feeder canal, the Pond at Huntington Beard Park, and more. The Genesee Street Hill-Limestone Plaza Historic District within the Village, which is located on E. Genesee Street between Mill Street and Chapel Street, is listed on the National Register of Historic Places. All buildings in this district are listed properties, as well as the Levi Snell House, located at 416 Brooklea Drive, and the Charles Estabrook Mansion, located at 7262 E. Genesee Street.

For more information of the history of Fayetteville, please visit the Village of Fayetteville website at <http://fayettevilleny.gov> and the Fayetteville Free Library Village archives at <https://www.fflib.org/local-history>.

Demographics

According to the 2011 – 2015 American Community Survey, US Census, the population of the Village of Fayetteville is estimated at 4,203 (1,897 male, 2,306 female) with a median age of 42.9 years. There are 3,496 village residents that are 16 years and older, with 69.5% employed. Industries with the highest number of populations are: educational services; health; professional; scientific and arts; entertainment; and recreation. The median household income is \$71,930.00.

Needs Analysis

The original Parks Master Plan, created in 1997, utilized quantifiable standards set forth by New York State Comprehensive Outdoor Recreation Plan (SCORP) and National Recreation and Park Association (NRPA) standards of an area of land to population, such as acres per 1000 population. Presently both agencies have moved away from this type of evaluation and are now using user-based determinations.

The State Comprehensive Outdoor Recreation Plan of 2014 -2019 utilizes data collected from park users and other resources to prepare state wide initiatives.

The NRPA has conducted the "Americans Engagement with the Parks Survey" annually to probe "Americans' usage of parks, the key reasons that drive their use and the greatest challenges preventing greater usage".

A Village-wide comprehensive recreation survey was conducted from March 28, 2017 to June 12, 2017 and was completed by 155 people, with 80% being village residents. Many of the questions were inspired from the NRPA "Americans' Engagement with the Parks Survey". The full survey and results can be found in Appendix III. Responders demographics are consistent with the latest Census report noted above with most household

consisting of 3-4 members and the mean age group as 41 – 64. Residents frequent village parks often with 71% visiting a park more than 11 times per year and 72% having visited a park within the past week of taking the survey. Non- Village parks were visited frequently as well with 56% visiting parks outside the village more than 11 times per year and 41% within a week of taking the survey. Only three respondents said they did not visit parks stating safety concerns and time restraints.

Top ranked influences that affect visits to parks include cleanliness, safe walking distance and access to trails. Most village parks are within walking distance but there were comments requesting more safe routes to parks and a comprehensive system linking them. Features that are attractive to visiting parks include walking trails, trees, playgrounds and benches. The more popular features to add to a park are trails, benches, updated playground equipment, restrooms, wifi, lighting and a dog park. Almost half of the survey responders (48%), are dog owners; noting that walking and dog walking is a popular activity. There were several requests for a dog park.

The Village of Fayetteville Newsletter is the most popular resource to find out about park events. Events at Beard Park are popular with 75% attending and 11.6% did not know about events held at village parks. In addition to the newsletter, other preferred methods to become aware of events are emails, flyers, mail and websites. Facebook and newspaper were least preferred ways.

Survey participants stated that the parks are important to the community by providing green space, recreational opportunities, health benefits and trees. Preserving open space and developing a trail system are important, as well as, providing a walking connection to the YMCA and to utilize the Ledyard Canal as a recreational opportunity. Maintaining parks and keeping facilities updated and in good condition are also very important. Parks are well visited year-round with most enjoyable activities including walking, trails, trees for shade, open space, playgrounds and events. Questions regarding individual parks will be included in the Park Master plans and recommendation Chapter.

A public forum was held on May 18, 2017 at the Village of Fayetteville building, with approximately 20 people in attendance. Topics of discussion included awareness of the Village of Fayetteville Parks, attaining information and concerns regarding the existing Village of Fayetteville Parks, activities of interest to the village residents, and ideas for the use of undeveloped park land owned by the village. Several residents noted they were unaware of the numerous parks owned by the village. There was noted interest in tennis courts, a car top boat launch, and mountain biking trails, among other interests as well by the village residents. Concerns of the residents include the safety and condition of existing old/worn playground equipment, as well as, ticks which are a health concern as they are known to carry and spread diseases including Lyme disease. Traffic is also a concern when traveling to and in between some of the parks, and should be taken into consideration.

Connectivity between the parks in Fayetteville and eventually connecting to the Empire State Trail, which is proposed to connect Buffalo to Albany, was also discussed as potential additions to the Park Master Plan. There is also potential for historical/interpretive signage that can be located around the village and within some of their parks, which can inform park visitors of the history of the village and historical structures and/or events at that location. Several of the existing parks in the village were built with grants and it was noted that the more that was built, the more there is for DPW to maintain. Creating a volunteer "Friends of" Group could help with maintenance and development within the Village of Fayetteville parks.

Additional input was provided by the Iroquois chapter of Trout Unlimited, Mountain Biking groups, Erie Canal park representatives, and the Village Recreation Department. On April 20, 2017, members from Trout Unlimited (Steve Brennan and David Seifritz), Chittenango Landing Canal Boat Museum (Chris Hall O'Neil), and local Girl Scout organization(s) attended the Village of Fayetteville's Parks Commission meeting. Trout Unlimited has adopted Limestone Creek as it's home stream with the intention of working towards improved habitat for natural fish reproduction. Presently the creek is stocked with fish from Carpenter's Brook Fish Hatchery. Trout unlimited wants to promote fishing through education workshops such as a Youth Fishing Day. Improvements to Limestone Creek will be needed to create natural fish reproduction areas. They have developed an informal plan to get funding from the US Fish and Wildlife Service and other sources. Chris discussed the importance the Erie Canal has to the Village of Fayetteville as representative of the Old Erie Canal Community Work Group. The canal feeder, presently owned by NYSParks, is an important link for bikers traveling the Erie Canal. By developing signage and other activities the canal connection has the potential to bring tourists into the Village of Fayetteville. Control of canal and feeder water levels were discussed since during times of dry weather the feeder canal may become inaccessible by water.

On June 8, 2017 at a meeting of the Parks Commission, the mountain bike trails were further discussed. Derek Zipprich, a resident of Fayetteville, and coach of the FM Mountain Biking (MB) Club proposed trails and a small bike skills area and pump track to be located in Duguid Park and possibly some additional trails within Golden Park as well. The trails could

be built with volunteer labor. The trails are proposed to be dirt trails and could be used by both bikers and walkers. Currently there is a mowed path through Duguid for vehicle access that can be used for emergency access in case of injury. Within Golden and Duguid Parks behind existing power station, there is an existing historical mill foundation which could have an educational sign for park visitors. Also within Duguid Park are existing historical springhouses (stone and wooden) which also provide opportunity for interpretive signage as well. Plans for the Mountain Biking trails and skills development area are to be submitted to the Board for approval. Briar Brook has a proposed trail and is labeled as such on the tax maps. It was part of the Planning Board approvals for the development on Briar Brook Run. Due to turnover within that neighborhood, existing homeowners may or may not be aware of this. In the Village Parks Master Plan, inventories and needs of each of the village parks will be included.

On June 22, 2017, a meeting with the parks commission was conducted where Michelle Middleton, Recreation coordinator, from the Fayetteville REC Committee attended. The Recreation committee organizes events and the summer program for the village. The summer program is held at Fayetteville Elementary. Camp is open to Village residents as well as Manlius. Other summer programming available to Village residents are camps organized by the Town and village of Manlius. Most special events, such as concerts, are held at Huntington Beard Memorial Park. The Village does not have a dedicated recreation facility but the proximity of the YMCA makes up for that by providing programming as well as fitness and swimming facilities. The Recreation Committee should continue with current programming which received positive comments from Village residents and look for additional programming such as yoga in the park and collaborations with groups such as Trout Unlimited for a Youth Fishing Day.



Chapter 4: Park Master Plans and Recommendations

Linear Park Systems

The 1997 Master Plan identified 3 Linear Park Systems. These park systems follow one of the water resources in the Village: Limestone Creek, Ledyard Canal and Bishop's Brook. In the "Fayetteville Comprehensive Plan" (See Chapter 2: Comprehensive Plan), it is recommended to improve access to and provide trails along Limestone Creek, Fayetteville Feeder Canal, and Bishop's Brook.

The following three areas in Fayetteville are recommended for development as linear park Systems:

1. Limestone Creek Recreation Corridor
2. Ledyard Canal Recreation Corridor
3. Bishop's Brook (Coulter and Briar Brook Run Parks)

Park Systems

In this section, Parks are organized into systems based on park locations:

1. Limestone Creek Recreation Corridor
2. Ledyard Canal Recreation Corridor
3. Village Center Parks
4. Village East Parks
5. Manlius Springs

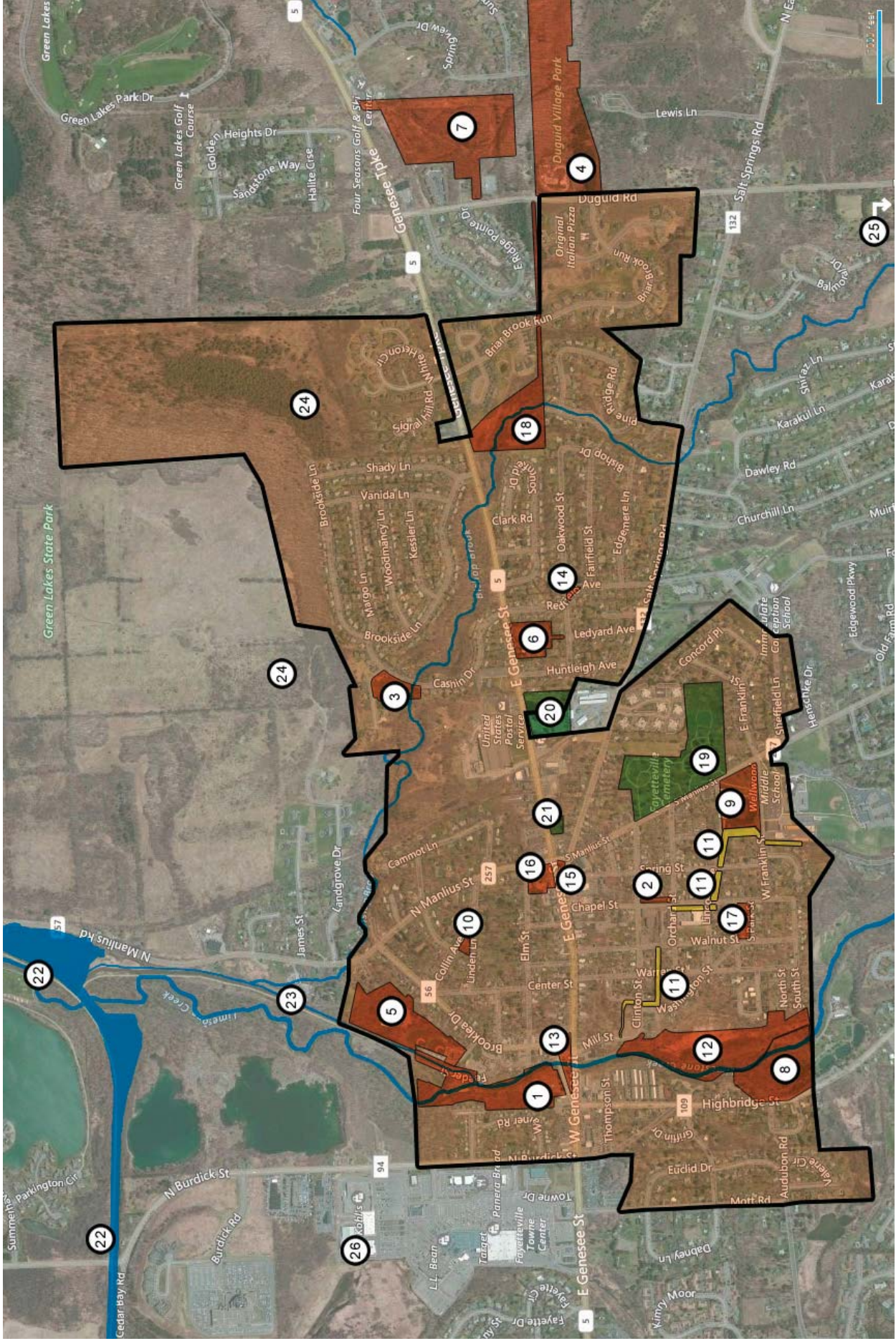
Park Locations Map

LEGEND

- 1 Canal Landing Park
- 2 Grover Cleveland Honors Park
- 3 Coulter Park
- 4 Duguid Park
- 5 Fietta Park/Baseball field
- 6 Fayetteville Senior Center
- 7 Golden Park
- 8 Gramlich Bird Preserve
- 9 Huntington Beard Memorial Park
- 10 LaFayette Park
- 11 Ledyard Canal Greenway
- 12 Limestone Creek Greenway
- 13 Limestone Plaza
- 14 Redfield Avenue Triangle
- 15 Veterans Park
- 16 Village Hall & Cleveland Park
- 17 Washington Park
- 18 Briar Brook Park
- 19 Fayetteville Cemetery
- 20 Immaculate Conception Cemetery
- 21 Pioneer Cemetery
- 22 Erie Canal State Park
- 23 Feeder Canal Trail
- 24 Green Lakes State Park
- 25 Manlius Springs
- 26 YMCA

LEGEND

-  Village of Fayetteville Boundary
-  Village of Fayetteville Parks
-  Village of Fayetteville Cemeteries
-  River, Creek, Brook, Canal



For a history of the park development in the village of Fayetteville please go to the website <http://www.fayettevilleny.gov/Departments/Parks> or the Fayetteville Free Library website at <https://www.fflib.org/local-history>. Site visits were conducted for all Village Parks with the results in *Park Inventory Chart* below

Park Features/Elements

| Name of Park | Park Amenities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Playground | Basketball Court | Kickboard | Baseball/Softball Field | Ice Skating | Gazebo | Pavilion/Overhead Shelter | Enclosed Building/ Facility | Restrooms/Porta-Potties | Bicycle Racks | Trash Receptacles | Picnic Tables | Benches | Grills | Drinking Fountain | Flag poles | Park Lighting | Parking Lot/Areas | Trails | Dog Walking | Fitness/Exercise Equipment | Fishing | Water body | Wetlands | Signage - Educational | Signage - Other | Signage - Park Identification | Signage - Traffic | ADA access | Scenic Views | Trees | Shrubs/Landscaping | Open Space | Gathering Spaces | Memorial Garden | Community Garden | Stone Bridges | Batting/Pitching Areas | Concession | Bleachers | Green Infrastructure | Hill for Sledding | | | | | | |
| Limestone Creek Recreation Corridor | ✓N | | | | | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | |
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| Limestone Creek Greenway (12) | ✓N | | | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | |
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| Limestone Plaza (13) | ✓N | | | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | |
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| Ledyard Canal Greenway (11) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Huntington Beard Memorial Park (9) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Grover Cleveland Honors Park (2) | | ✓O | | | | | | | | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Washington Park (17) | ✓O | ✓O | | | | | | | | ✓ | ✓ | ✓ | | | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Village Center Parks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Village Hall and Cleveland Park (16) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Veterans Park (15) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Coulter Park (3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Fayetteville Senior Center (6) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LaFayette Park (10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LEGEND

N

Newer

O

Older

S

Small

Undeveloped Park land

Park Category

M

Mix of Old and New

Limestone Creek Recreation Corridor

Limestone Creek runs south to north through the Village, under the Genesee Street Bridge, and under the Limestone Plaza bridge. It is bordered on both sides by residential commercial, and municipal properties. The properties along the creek and owned variously by the Village of Fayetteville, the State of New York Department of Transportation Canal Corporation, and several private parties. The south end is bordered by Spring Ponds Fishery, and the north by undeveloped land as well as Canal Landing and Old Erie Canal State Park.

Access to the creek, is limited by steep slopes on much of the east and west sides. It is visible from both highway bridges, and from the Feeder Street bridge behind the Manlius Town Hall.

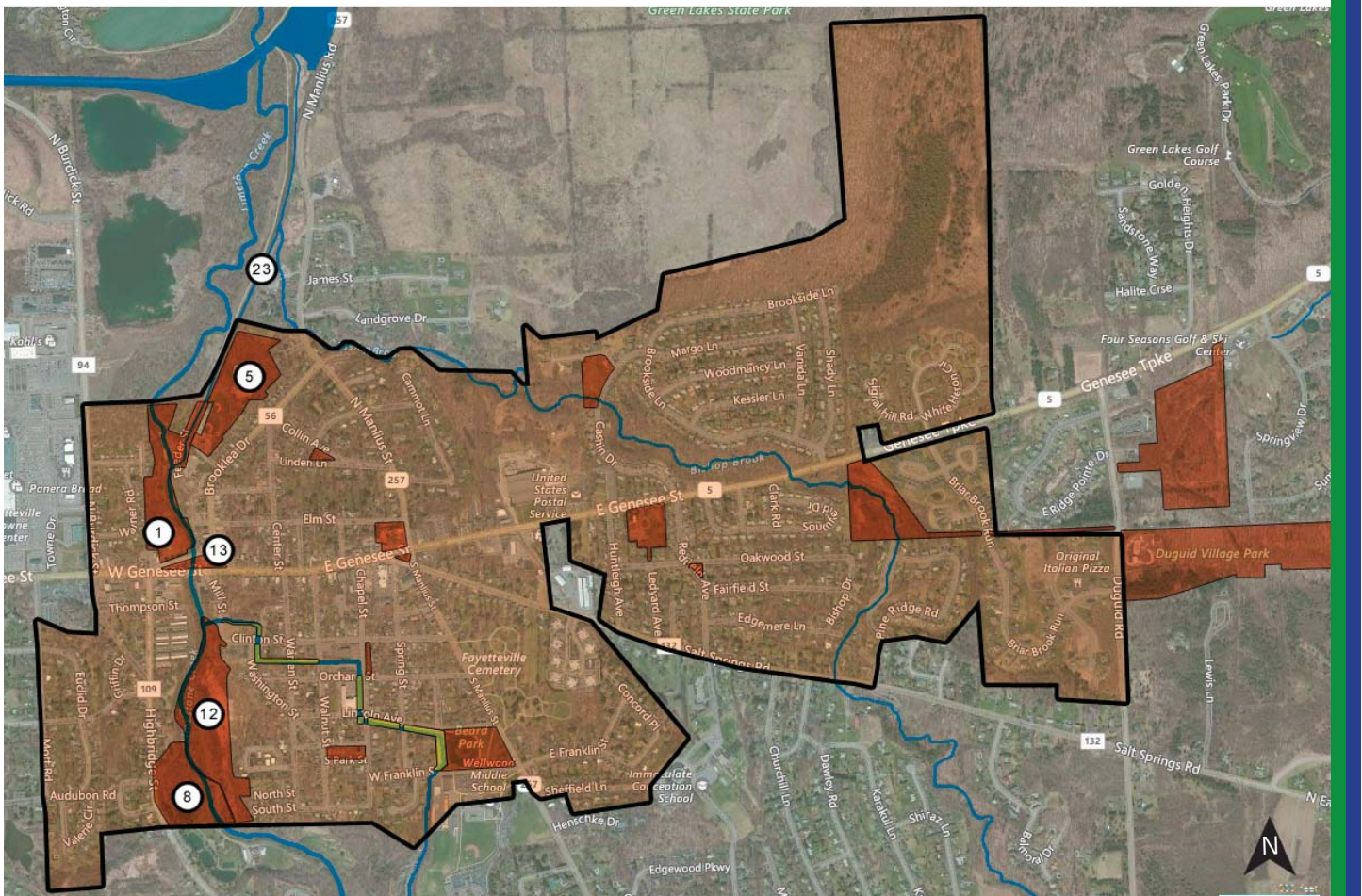
Most of the property along the creek is in the designated 100 year flood boundary, and is vegetated with native trees, shrubs, grasses, and wildflowers common to such areas in this region. The creek is currently used for fishing by those who have access to it, but it is otherwise underutilized and virtually undiscovered. It has tremendous potential for the development of recreation

trails, nature study, fishing access, and canoeing in the heart of Village.

The concept of the Limestone Creek Recreation Corridor is to connect the various properties by constructing a recreation trail, to make the entire area available as a Linear Park System and to maintain and preserve its character as a green corridor. Through a partnership with Trout Unlimited, proposed improvements include improved fish habitat and better access to Limestone Creek. This recreation corridor is in a prime location to connect to the existing Erie Canal Trail to the north, extending the access and use of the entire trail system.

Parks within this Linear Park System include:

- ① Canal Landing Park
- ②③ Feeder Canal Trail
- ⑫ Limestone Creek Greenway
- ⑧ Gramlich Bird Preserve
- ⑤ Fietta Park/Baseball field
- ⑬ Limestone Plaza



Canal Landing Park ①

Built in 2011, this is the Village of Fayetteville's newest park located along Limestone Creek off Limestone Plaza. Canal Landing is the most popular park in the Village. Easily accessible from the street, there is a good-sized parking lot, restrooms, pavilion, large modern playground, and adult fitness stations along a trail network that follows Limestone Creek offering views and connection to the water. The park serves the entire community for walking, sitting on benches enjoying the creek, playing, fishing, and dog walking.

Since the initial construction the park has had two more construction phases adding trails and a bridge over Limestone creek. Phases 4 and 5 improvements to the park are planned for 2018, consisting of Feeder Street bridge replacement and paving, lighting, new pedestrian bridge over the Feeder Canal, a car-top boat launch, as well as the acquisition of two parcels and removal of the residential structures on Feeder Street.

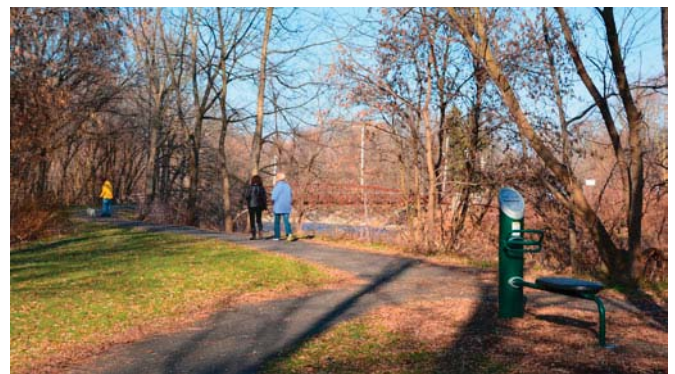
Improvements to Limestone Creek should be made to prevent flooding and sedimentation, and to enhance fish habitat and fishing opportunities. Additional signage and mapping should be provided to direct visitors to parks, features and other destinations, such as the Feeder Canal Trail, Old Erie Canal State Park and the YMCA (future). A sign kiosk can advertise to visitors traveling the Erie Canal to shops and restaurants that the village has to offer as well as Historical significance. Interpretive signage can also be provided at various locations in and around the park and throughout the Village. Village-wide signage recommendation is further discussed in Chapter 5.

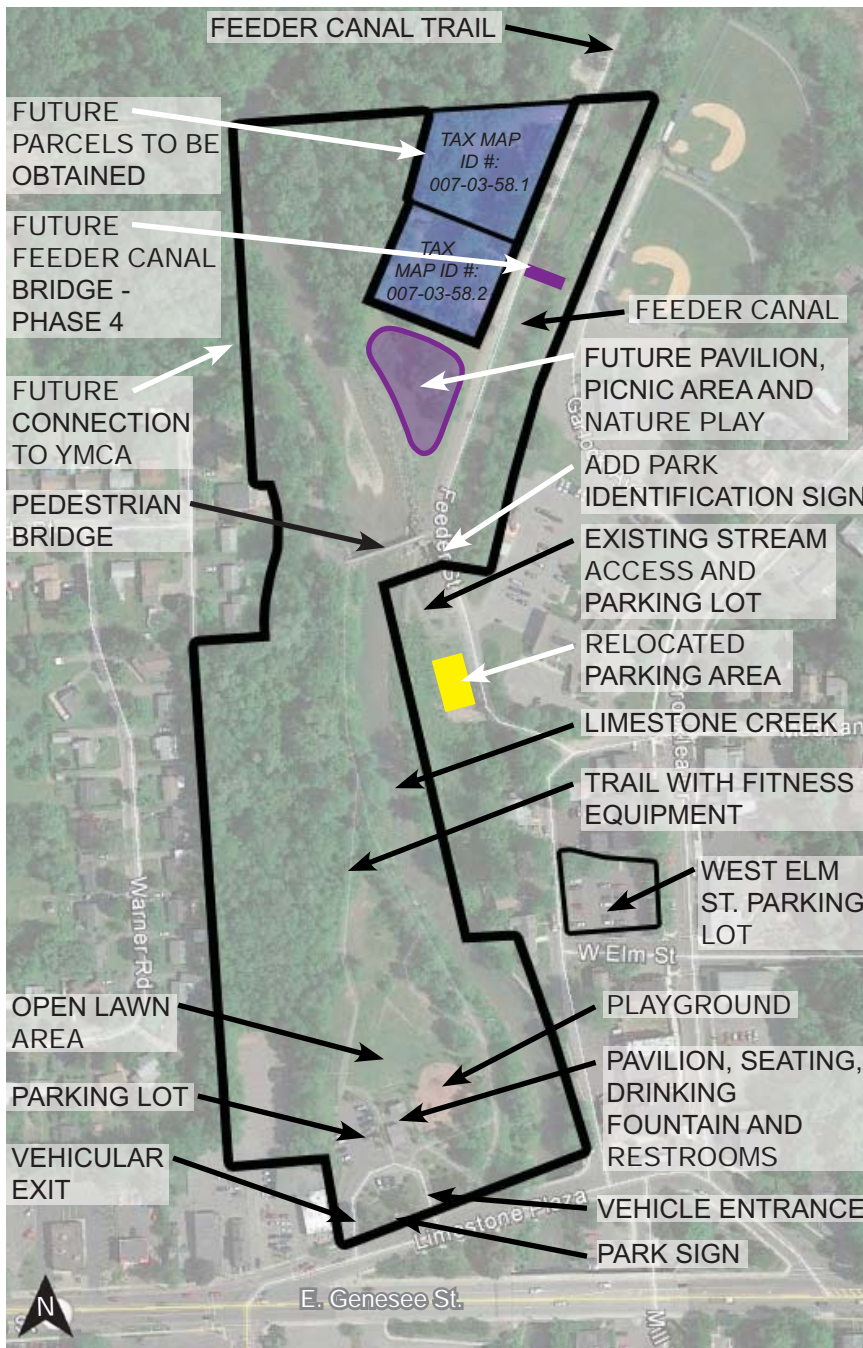
As part of the future commercial/retail development along Burdick Street, the Village should obtain a recreation easement with the property developer West of the Northern part of the park to develop a trail that would connect the park and Village to the YMCA.

There is a small parking lot and path down to Limestone creek for a cartop canoe launch and access to the bridge to the west side of Canal Landing Park.

Survey Responses

Canal Landing is a popular park within the Village of Fayetteville used for walking and biking along the trails, the playground, and its site amenities. Park visitors most commonly visit this park because of the recreational opportunities and playground, but also due to the connectivity of the park to the Erie Canal trail, as well as, the proximity of the park to their homes and commercial spaces nearby. Majority of the people feel comfortable walking and biking to the park and usually spend less than 2 hours at the park at a time.





Recommendations

1. Add awnings and/or shade trees by benches at playground and pedestrian bridge
2. Add more seating opportunities, including benches and picnic tables
3. Add more pavilions and gathering spaces
4. Add dog fountain and more pet waste bag stations
5. Implement Trout Unlimited Iroquois Chapter Recommendations and work with them to improve Limestone Creek for flood control and fishing habitat (*See Appendix I for Limestone Creek Master Plan Suggestions*)
6. Play areas: Expand diversity of play areas for larger span of age groups. Add additional play areas and types: consider a challenge course, gaga pit, small skate park plaza, and natural play areas.
7. Increase restroom hours of operation
8. Add Sign Kiosk with Maps
9. Add historical and educational interpretive signage
10. Relocate Small parking lot at pedestrian bridge further south along Feeder Street and convert existing parking area to a gathering space
11. Redesign and replace existing stream access with a handicap accessible access path and streamside sitting area
12. Complete remaining phases of development for Canal Landing Park
13. Add more trees

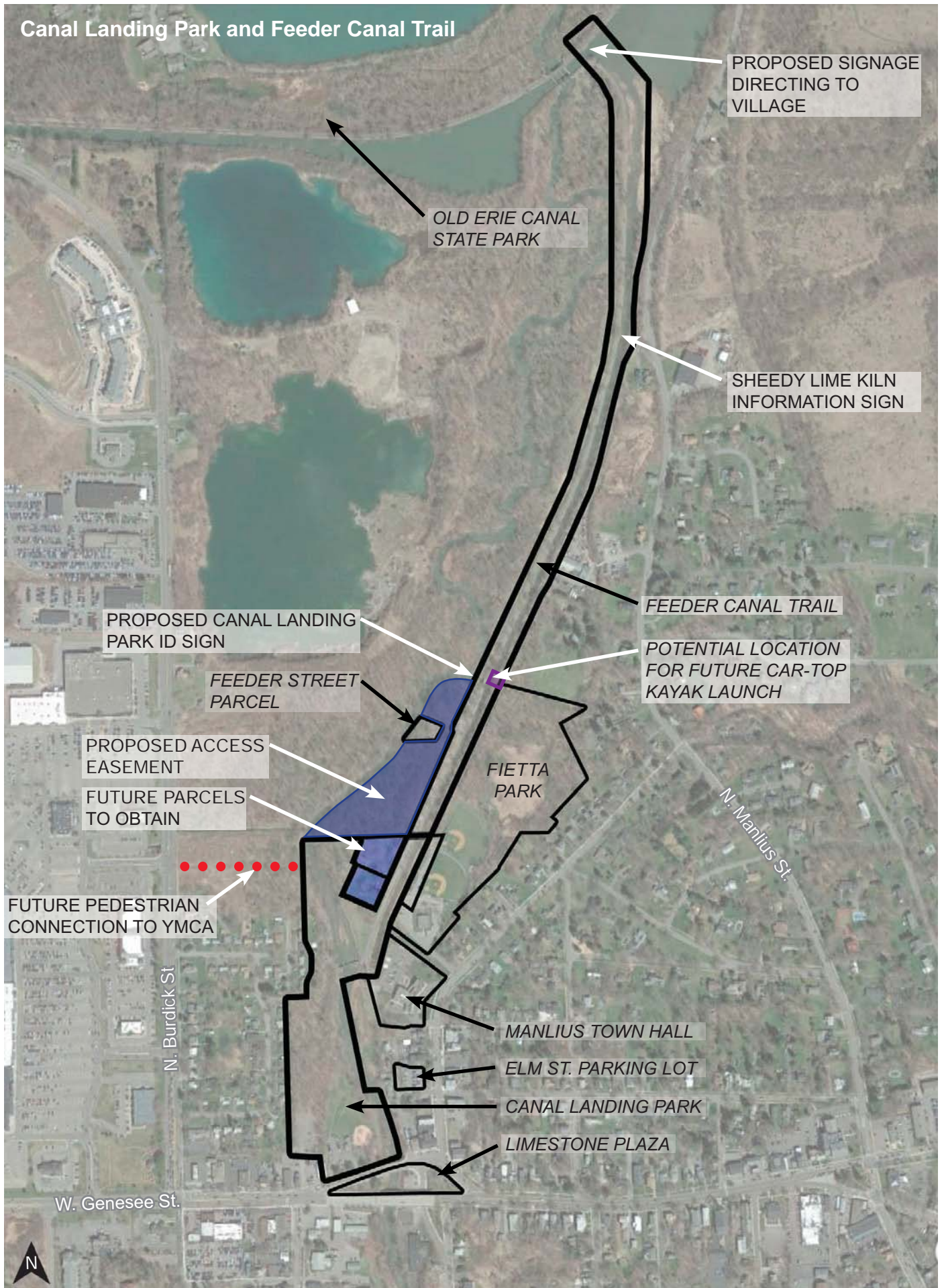
Canal Landing Park

Park Type: Community Park

Park Size: 8.35 acres

LEGEND

- Park Boundary
- Future Pedestrian Bridge
- Proposed Relocated Parking
- Proposed Site Element



Feeder Canal Trail 23

The feeder canal trail connects Canal Landing Park and Fietta Park to Old Erie Canal State Park. This is an important connection for trail and canoe access. Water level of the feeder canal can become very low and inaccessible by canoe. The village should work with the State Parks and other agencies in control of water levels to maintain access, at least to the intersection of the Old Erie Canal State Park tow path. Signs should be added at the Erie Canal bridge and aqueduct directing visitors to the Village of Fayetteville.

Recommendations

1. Maintain Feeder Canal Trail
2. Add Pet waste bag stations
3. Add directional signage to Village
4. Add new pedestrian bridge over Feeder Canal, connecting to Fietta Park (Phase 4)
5. Add more seating opportunities along the Feeder Canal Trail
6. Add signage directing visitors to the Limestone Creek bridge and canoe launch, as well as, signs directing bicyclists and kayaks from the Erie Canal to Canal Landing and the Village
7. Seek Access-easement agreement adjacent to Feeder Street Parcel
8. Add Sheedy Lime Kiln Information Sign
9. Build a Car-top Kayak Launch
10. Keep the Feeder Canal clear of debris

Sheedy Lime Kiln







Feeder Canal Trail

Park Type: Linear Park

Park Size: 10.61 acres

LEGEND

-  Park Boundary
-  Future Connective Path
-  Future Parcels to Obtain
-  Proposed Site element

Limestone Creek Greenway ⑫

Formerly referred to as Fietta Property 2 & 3, Limestone Creek Greenway is a 16.48 acre parcel east of Limestone Creek and Gramlich Bird Preserve. This undeveloped strip of property runs north to Mill Street and Clinton Street, and south to South Street and the Village of Fayetteville border. Recreational opportunities on this land include walking, hiking, nature study, fishing, kayaking, cross country skiing, and snowshoeing. A formal trail system should be created and maintained to provide complementary recreation opportunities to the Gramlich Bird Preserve. Trails should be narrow and made of natural wood mulch or existing surface. Access to the park will be from Mill Street and the proposed parking area at the end of North Street.

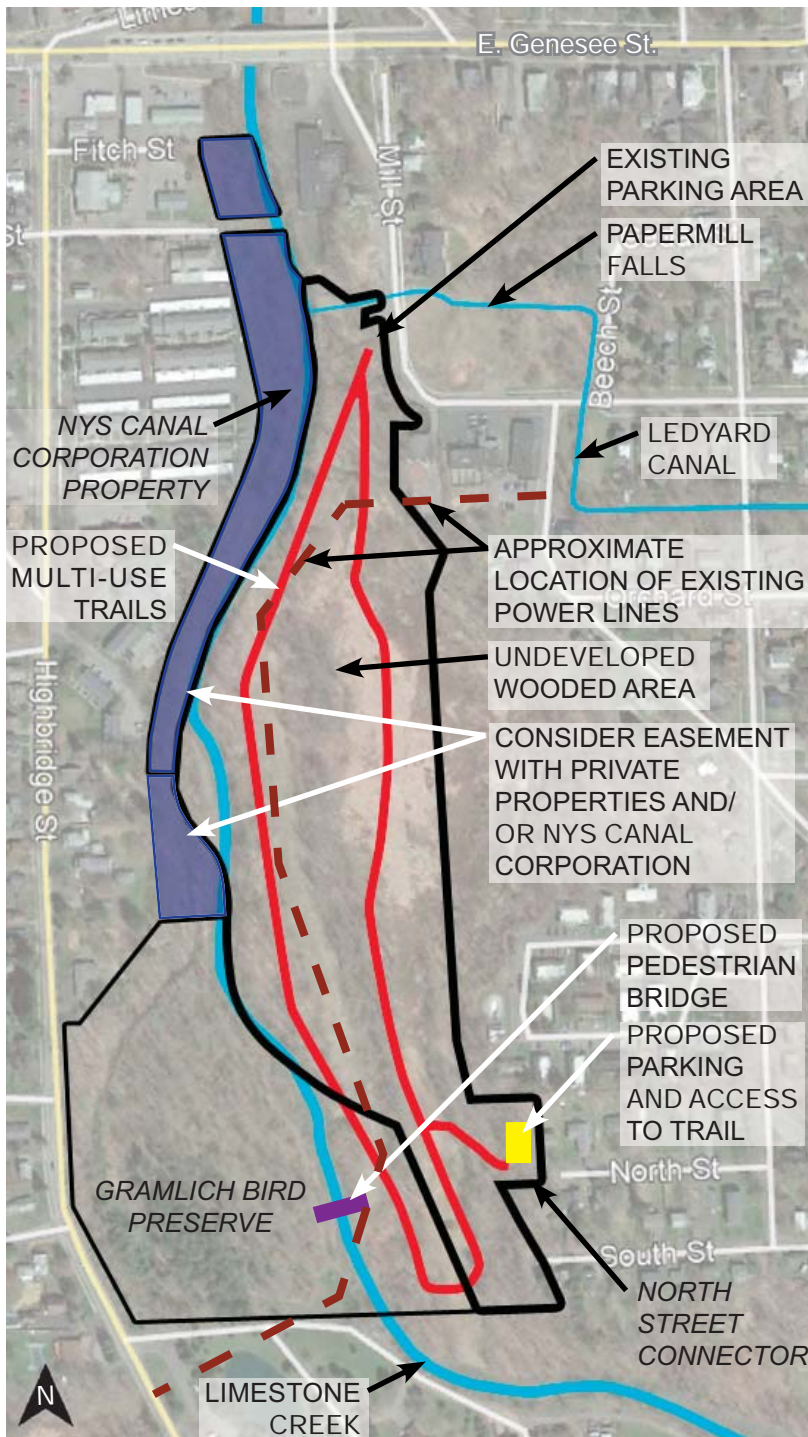
Connecting to the Limestone Creek Greenway is the North Street Connector. The Village purchased this small piece of property of 0.45 acres, at the west end of North Street, to provide a public connection to Fietta Land 3, and to the proposed trails along Limestone Creek. It is recommended that a small parking area is built at the end of the street, and that a trail connector is built on the steep wooded slope to meet the proposed trails and for fishing access.

Along the west side of Limestone Creek, south of Genesee Street, there are two properties totaling 3.15 acres that belong to the New York State Canal Corporation. This land is totally undeveloped, and is interrupted by sections of private land between it and Gramlich Bird Preserve. It is recommended that a right of way be obtained or that property be purchased across these properties to allow the construction of a recreation trail along the west side of the Limestone Creek. These two parcels are a natural addition to the Limestone Creek Recreation Corridor.

Recommendations

1. Add and maintain trails for hiking/mountain biking
2. Add benches along path
3. Add stairs and/or maintain path at North Street connector. Connect to Trail through Limestone Creek Greenway.
4. Add Interpretive signage
5. Add parking area on North street and add access to proposed trails. Expansion of parking on Mill Street can be done to meet demand if needed.
6. Study the installation of a foot bridge across Limestone Creek to connect this property to Gramlich Bird Preserve, and to the proposed trail along the west side of Limestone Creek
7. Consider easement with private properties and/or NYS Canal Corporation





Limestone Creek Greenway

Park Type: Community Park

Park Size: 16.48 acres

LEGEND

- Park Boundary
- Existing Power Line
- Proposed Parking
- Proposed Access Easement

- Creek/Brook
- Proposed Pedestrian Bridge
- Proposed Trail

Gramlich Bird Preserve ⑧

The Fayetteville Bird Preserve was dedicated to the memory of Fredrick Martin Gramlich in 1940, "for use as a bird sanctuary only". This undeveloped 10.12 acre parcel is between Highbridge Street and Limestone Creek at the south Village line, adjacent to the privately owned Spring Ponds Fishery. It is recommended that this property remain essentially undeveloped, and that any facilities to be constructed should have a low environmental impact.

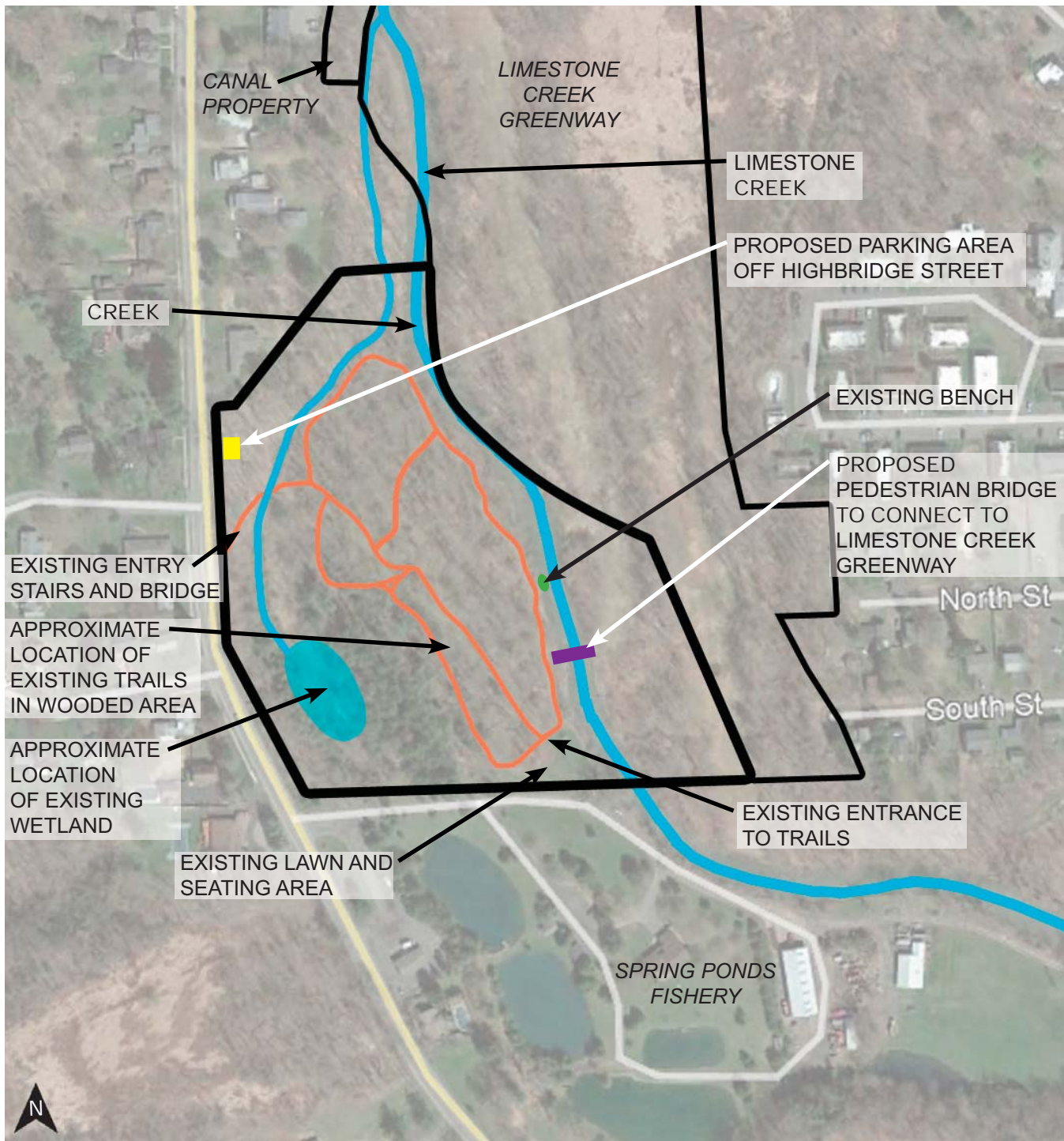
The main use for this property should be birdwatching, nature study, and access to Limestone Creek.

This property will always be a separate parcel of land and will retain its identity as a bird sanctuary by way of the wording of the deed. It is also a natural addition to the properties that compose the Limestone Creek Recreation corridor.

Recommendations

1. Add a park sign at entrance (and secondary park signs if needed)
2. Interpretive educational signage on birds that park visitors may see and/or hear at this park. Interpretive signage should be built inside the boundaries of the property along the existing nature trails.
3. Add a small parking area along Highbridge Street and an improved stairway down the steep slope from Highbridge Street.
4. A trail along Limestone Creek that will continue to the north, across private property, to the New York State canal lands. A right of way should be obtained from the private property owners on the northside to continue this trail along the west side of Limestone Creek to the canal lands to the north and under the Genesee Street bridge to Limestone Plaza.
5. Evaluate potential for a foot bridge to be built across Limestone Creek to connect this property to the Limestone Creek Greenway property.
6. Improvements to the property should include selective planting of native trees and shrubs, nesting boxes, etc., to attract a variety of birds.
7. Improve entry stairs and bridge and continue to maintain





Gramlich Bird Preserve

Park Type: Neighborhood Park

Park Size: 10.12 acres

Park also known as:
Gramlich Bird Sanctuary

LEGEND

- Park Boundary
- Creek/Brook
- Existing Trail
- Proposed Pedestrian Bridge

Fietta Park ⑤

This existing 11.39 acre park includes a recreational building on a 0.52 acre parcel, two Little League ballfields on 3.02 acres, and 7.68 acres of vacant land at the north end of the park. There is parking and other related Little League facilities and restrooms. Fietta Park is located in the heart of a populated section of the Village, yet by its topography, the heavy use of the ballfield causes minimal neighborhood disturbance. This park is also close to the Feeder Canal, the Old Erie Canal State Park, and Canal Landing park. As a part of the Phase 4 improvements for Canal Landing Park, a new pedestrian bridge is to be installed over the Feeder Canal which would connect Fietta Park to the Feeder Canal Trail and Canal Landing Park.

Survey Responses

Fietta Park Baseball Fields is commonly used for the baseball fields, whether playing on them or just watching a game. People also walk on the trails, even with their dogs, in the wooded area behind the baseball fields. Majority of park visitors feel safe walking to this park and most spend less than 2 hours at the park, although there is a handful who spend over 3 hours.

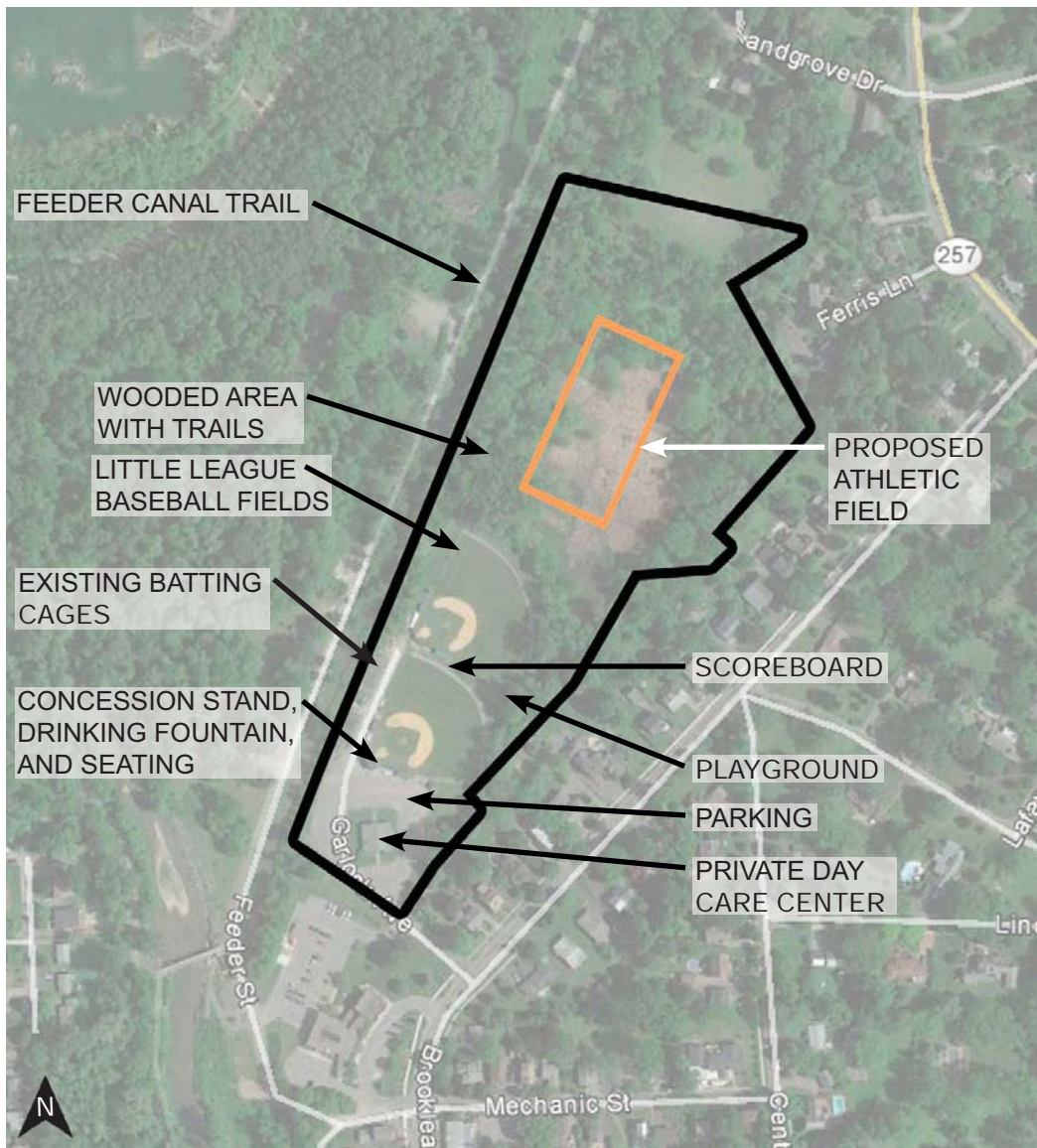
There was some interest in adding and/or improving the recreational opportunities at the park, as well as some neighbors who stated the park is good as is.

Recommendations

1. Retain the existing Little League Fields
2. Retain ownership of the existing building, but continue to lease it to another agency to operate recreation related programs
3. Maintain walking trails
4. Delineate edge between park land and private property with signage
5. Fix or replace leaning scoreboard
6. Add multi-purpose athletic field(s) (ie: soccer field)
7. Add bike racks
8. Construct a foot bridge over the Feeder Canal at the northwest corner of the park to connect to Old Erie Canal State Park
9. Conduct a traffic study and add traffic control elements if warranted



10. Plant additional trees and landscaping to buffer the Brooklea Drive residences



Recommendations continued...

11. Add signage directing visitors to the Limestone Creek bridge and canoe launch, as well as, signs directing bicyclists and kayaks from the Erie Canal to Canal Landing and the village, and signs for restrooms

12. Delineate between the paved parking area and the gravel area of the park (Pedestrian vs. vehicular areas)

Fietta Park

Park Type: Community Park

Park Size: 11.39 acres

Park also known as:

Limestone Little League Field, Tuttle Field, and American Legion Field

LEGEND

- Park Boundary
- Creek/Brook
- Proposed Athletic Field
- Proposed Property to obtain

Limestone Plaza ⑬

Limestone Plaza is a triangular lot of land across from Canal Landing between W. Genesee Street and Limestone Plaza. The Plaza contains parking, small lawn spaces, and trees. Limestone Creek runs through the lot, separating the space in half. Benches are provided so people can sit overlooking the creek. A loop trail that continues under the Genesee Street Bridge and around the edge of Limestone Plaza.

It is also part of the Limestone Plaza Historic District (listed on the National Register of Historic Places), which is located on W. Genesee Street between Mill Street and Chapel Street.

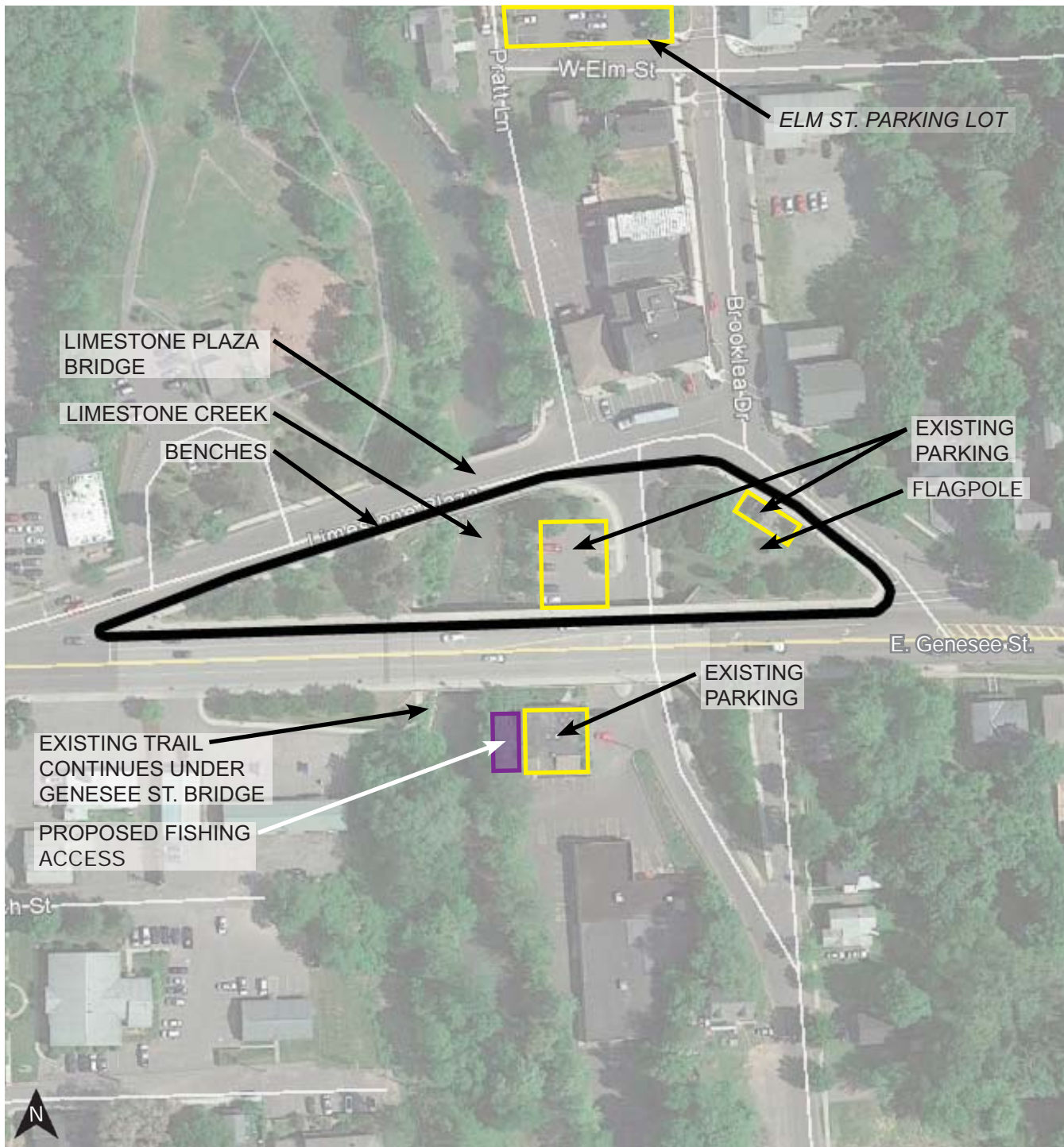
Recommendations

1. Add Historical Interpretive signage
2. Continue to maintain parks
3. Add Bike Rack(s) and Bike sharing program
4. Add fishing access along Limestone Creek

Genesee Street Bridge Property

The New York State Department of Transportation rebuilt the Genesee Street Bridge over Limestone Creek in 1997. The land around the bridge was developed as a part of the project including parking, lawns, trees, shrubs, pavers, and sidewalks. The concrete sidewalks cross both sides of Genesee Street Bridge and both sides of the Limestone Plaza Bridge. These sidewalks also cross under the Genesee Street Bridge on both sides of Limestone Creek providing critical connections for the proposed recreation trails from the Limestone Creek Recreation Corridor to the Limestone Plaza. The Village of Fayetteville has built a parking lot on the former Stack Animal Hospital Site. Fishing access is proposed to be constructed next to the parking lot.





Limestone Plaza

Park Type: Pocket Park

Park Size: 2.08 acres

LEGEND

- Park Boundary
- Existing Parking
- Proposed Site element

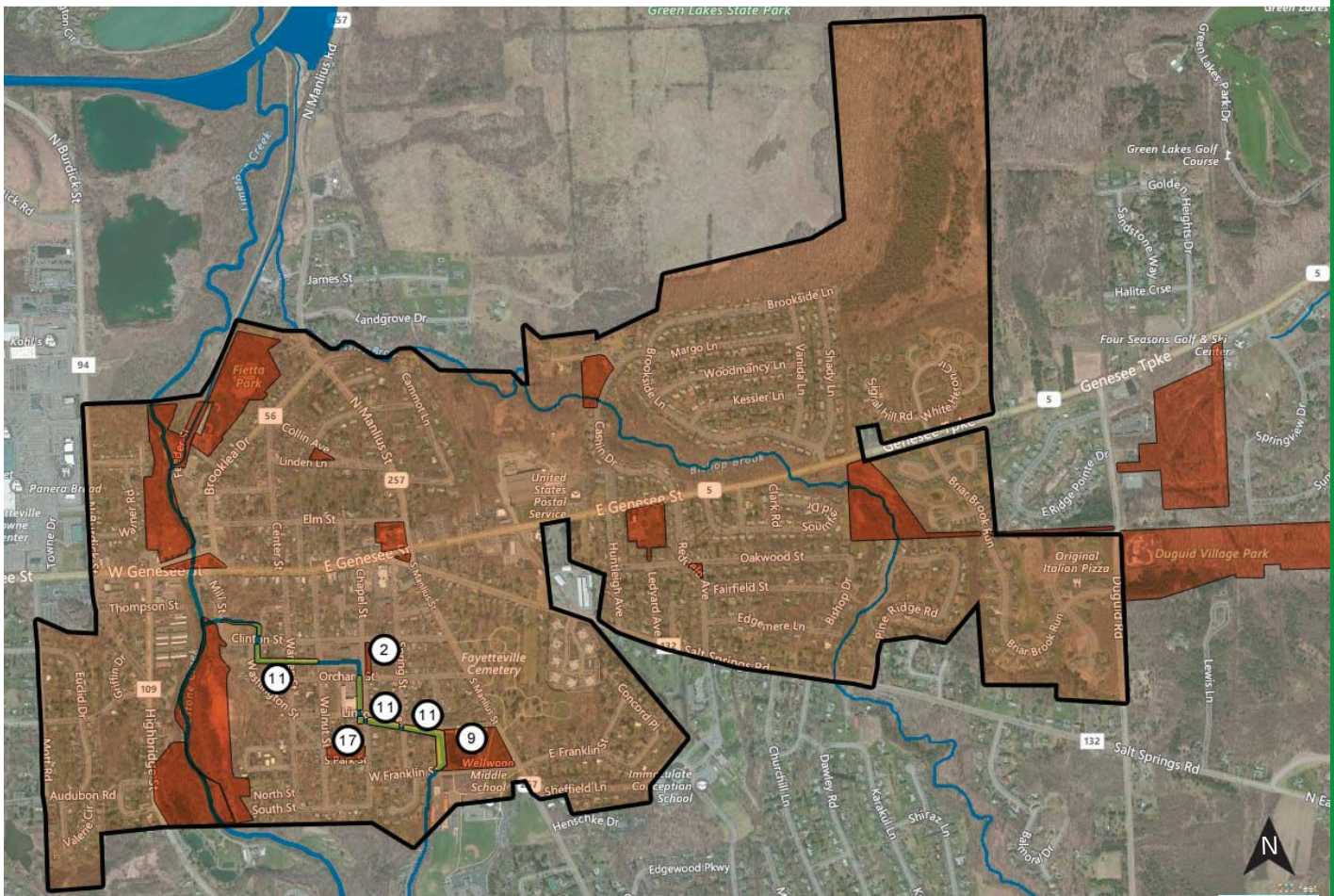


Ledyard Canal Recreation Corridor

The Ledyard Canal is a historical element in Fayetteville, where it was once used to supply water power from Limestone Creek in Manlius to mills and factories in Fayetteville. The Ledyard Canal serves as the water source for the pond at Huntington Beard Park.

Parks within the Ledyard Canal Recreation Corridor include:

- ⑪ Ledyard Canal Greenway
- ⑨ Huntington Beard Memorial Park
- ② Grover Cleveland Honors Park
- ⑪ Washington Park



Ledyard Canal Greenway ⑪

The Ledyard Canal was built in 1849 to supply water power from Limestone Creek in Manlius to mills and factories in Fayetteville. The Limestone Creek source was lost when the dam in Manlius was destroyed by a flood in 1981. Currently most of the water for the canal comes from Manlius Springs, and Perry Springs in Manlius, supplemented by some overland run off along the route. It is the only source of water for Beard Park Pond in Fayetteville. On its way to Limestone Creek it passes through a series of falls totaling over 100 feet.

The Village of Fayetteville is now the owner of most of the canal property. Maintenance of the canal waterway is necessary for the continued use and enjoyment of Beard Park Pond. It is intended that the village embark upon an ongoing maintenance program for this long neglected strip of land.

In 1909 Charles Mumford Robinson, a planner from Rochester, reported some of the benefits of the Ledyard Canal to the Fayetteville Park Commission. Some quotations from his report are:

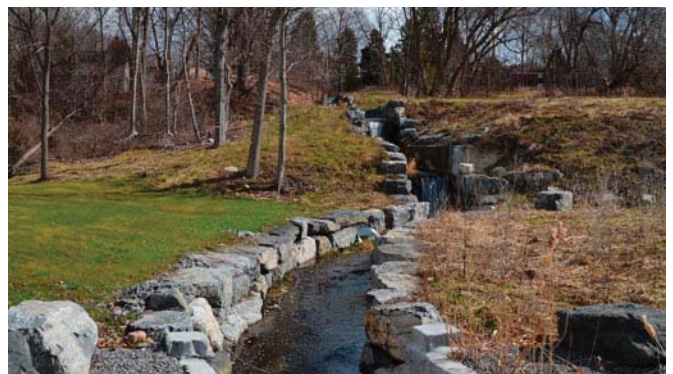
"...I should not judge that there was clearly a great opportunity for Manlius and Fayetteville to cooperate in creating, by creek and dyke, a parkway connection that would cost them little, have remarkable charm, and benefit them greatly."

"I can not emphasize too strongly the need of cooperation in the community..."

He concluded his report with:

"Today you have a great chance, tomorrow, if you do not act, some of it will certainly be gone"

This concept shown in the 1997 Village of Manlius Recreation Master Plan as a naturalistic corridor through the center of the village, where it is called the Greenway Trail. The Village of Fayetteville's 1997 Parks Master Plan recommends improving and maintaining the scenic beauty of the Ledyard Canal greenway. It is recommended that the Village of Fayetteville continue to pursue the improvement of this very important facility through the Village, from Huntington Beard Memorial Park to it's end where it reenters Limestone Creek at Mill Street. This will provide an opportunity for interpretative signage and a historical walking tour regarding the early manufacturing heritage of Fayetteville. Many of the survey responses are supportive of using Ledyard Canal for recreation. Any recreation use of Ledyard Canal should be respectful of the private property owners adjacent to the property. Creative use of landscaping and using other safety features should be considered when finalizing a recreation use plan.

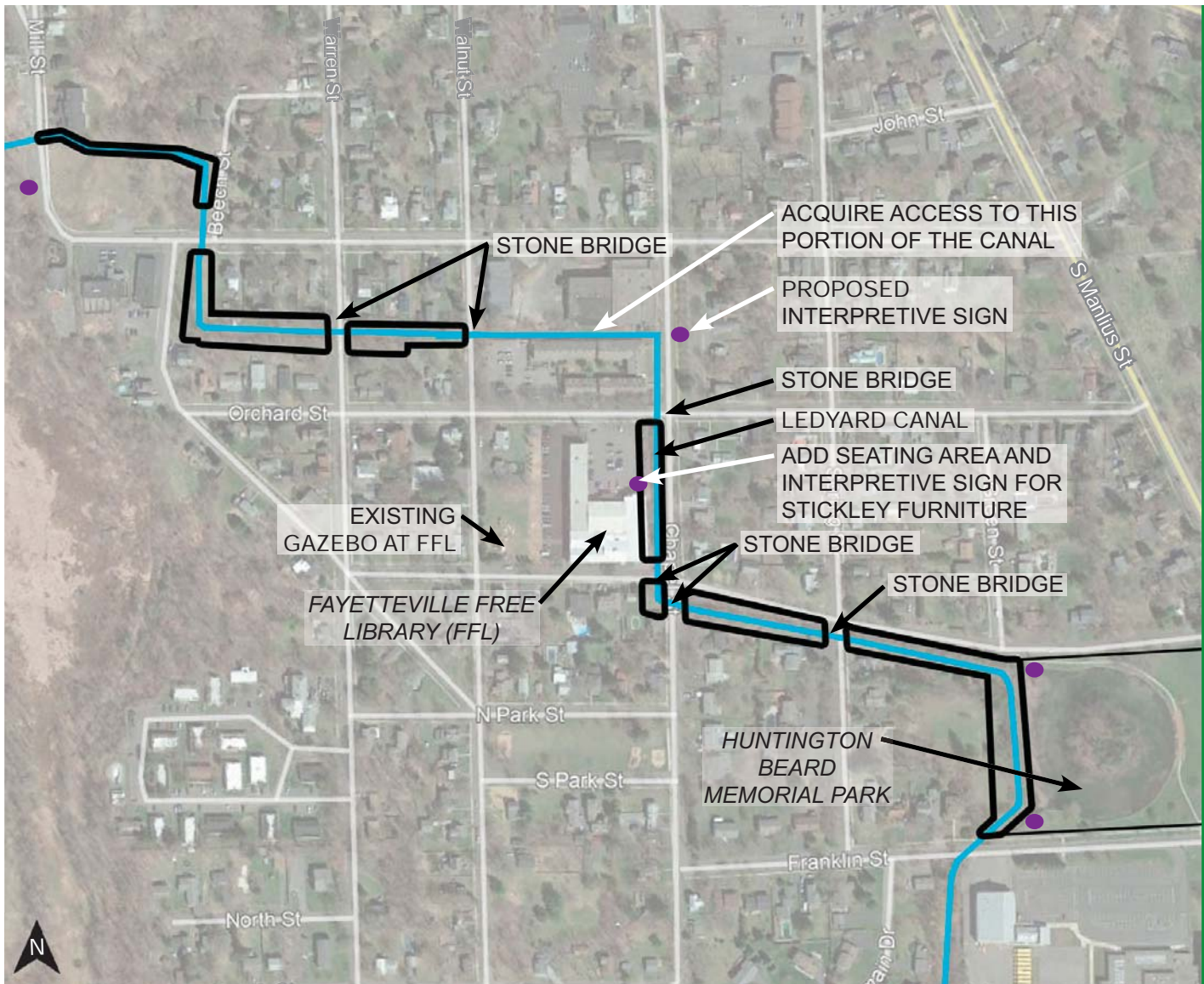


Survey Responses

Ledyard Canal is a historic element within the Village of Fayetteville and was found to be unknown by about a third of the survey responders. About half of the responders noted they would be interested in seeing it utilized as a recreational opportunity. There were also a handful of people noting concern for residents adjacent to the Ledyard canal, especially for the section of it that goes in between the back yards.

Recommendations

1. Clean out vegetation to allow views into canal



Recommendations continued...

2. Provide walking trail alongside Ledyard canal
3. Add benches, trash cans, and pet waste bags along trail
4. Install interpretive signs at key areas (See Proposed Village Walking Tour and Interpretive Signage Plan in Chapter 5)
5. Leave section of Ledyard canal going through backyards undisturbed
6. Preserve canal for historical and educational purposes and add interpretive signage
7. Partner with the Fayetteville Free Library for interpretive signage improvements along that section of the canal
8. Acquire access to the Ledyard Canal section between Walnut and Chapel Streets

Ledyard Canal Greenway

Park Type: Linear Park

Park Size: 3.1 acres

LEGEND

- Park Boundary
- Ledyard Canal
- Proposed Interpretive sign location

Huntington Beard Memorial Park ⑨

Although Huntington Beard Memorial Park (also known as Beard Park) is only 5.8 acres in size, it functions as a Community Park due to its variety of uses, such as ice-skating, summer concerts, and special events. Other activities at the park include walking, in-line skating, sunning, picnicking, and pick up sports such as soccer, football, baseball, and frisbee. Beard Park has on street parking and nearby parking on the Wellwood school parking lot. There is also a range of tree species provided at the park.

Beard Park pond is fed by the Ledyard Canal. Clean up and maintenance of the canal is necessary for the future use and enjoyment of the pond.

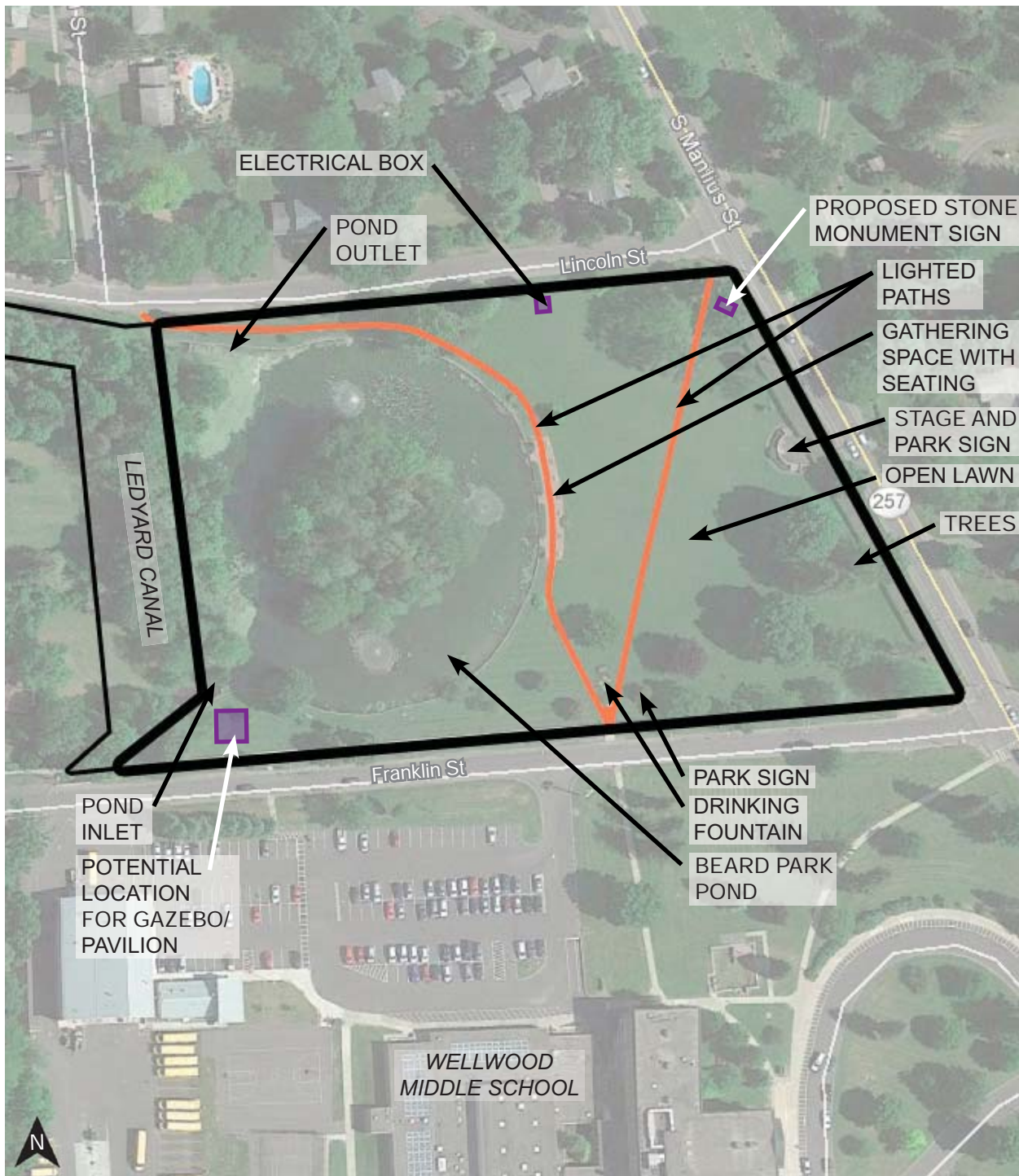
Survey Responses

Huntington Beard Memorial Park is a popular park where many events take place. It's location centrally in the village and its location next to one of the Villages schools increases awareness and visitation to this park. Other than events, the open lawn area, selection of trees, and water feature are very popular features of the park, which add to its scenic views.

Recommendations

1. Drain and clean pond bottom and develop a maintenance plan for Beard Pond. Increase maintenance of pond including dredging. Investigate methods to improve water circulation and prevent algae.
2. Remove dead vegetation from the center island in Beard Pond
3. Repair and continue to maintain pond inlet and outlet
4. Add more site amenities including seating, bike racks and restrooms
5. Add identification and interpretive signage
6. Add more trees
7. Add gathering spaces and possibly a gazebo or pavilion structure
8. Upgrade electrical capacity of the stage
9. Replace missing bricks and reset uplifted bricks at Beard Pond walkway. Continue to maintain a safe walkway.
10. Add Stone Monument sign in Park





Huntington Beard Memorial Park

Park Type: Community Park

Park Size: 5.8 acres

Park also known as:
Beard Park

LEGEND

- Park Boundary
- Proposed Site Element
- Existing Trails

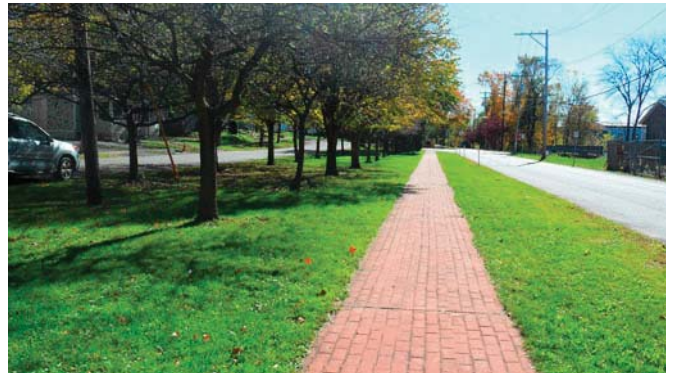
Grover Cleveland Honors Park ②

Also known as Chapel Street Median, this narrow strip of land is located at the center of the 200 block of Chapel Street, between Clinton Street and Oakland Street. The grass strip is an area for parking approximately 30 cars. In 1993 a site plan was prepared by Bradford G. Sears, landscape architect, at the request of the tree commission for the development of the strip as the Grover Cleveland Honors Park. This plan was approved by the tree commission and the village board. The trees were planted in 1993 and the brick walks installed but the Cleveland memorial has not been installed. The Park Commission has included this plan in the master plan, and therefore recommend its completion. See Appendix VII for the 1997 Master Plan Park Plans.

There was once a holding pond located here for Ledyard Canal, as seen on the Historical Village of Fayetteville Map in Appendix II. The holding pond had “been filled in by 1887, when President Grover Cleveland visited his boyhood home for a few hours. The welcoming ceremony was held in this location, then identified as “Clinton Park.” President Cleveland spoke from the platform and recalled that he had used the holding pond as a swimming place.”

Recommendations

1. Add flagpoles
2. Add Interpretive signage related to Grover Cleveland and Ledyard Canal
3. Add more amenities (ie: seating)
4. Install a monument to Grover Cleveland





Grover Cleveland Honors Park

Park Type: Linear Park

Park Size: 0.44 acres

Park also known as:
Chapel Street Median, Clinton Square, and Cleveland Park.

LEGEND

- Trail
- Park Boundary
- Ledyard Canal
- Proposed Site Element(s)

Washington Park 17

This park on Park Street, between Walnut and Chapel Street, at the south end of Washington Street, has all the features of a Neighborhood Park. Surrounded by a concentrated homogeneous residential neighborhood, this park appropriately provides a wide range of opportunities. The park includes playground equipment, sand boxes, picnic tables, bike racks, basketball court, and an open lawn area. The existing playground equipment is dated and should be repaired and/or replaced. The toy trucks and sandbox should remain as they are popular with the neighborhood children.

Survey Responses

Washington Park, located on North and South Park Streets between Walnut and Chapel Streets, is a well visited park, especially by nearby residents. Almost all survey respondents who live in proximity to the park felt comfortable walking/biking to this park. Although a bit dated, the playground here is very popular, especially the sandbox and toy trucks. Other recreational opportunities, such as basketball, walking and dog walking are also popular as well.

Recommendations

1. Provide maintenance and/or update the existing playground equipment
2. Consider replacing the existing Basketball court with a Combined Tennis-Basketball Court
3. Add more site amenities including seating opportunities and drinking fountains
4. Add recreational opportunities (ie: fitness equipment, gaga court, and/or soccer goals)
5. Add more trees
6. Continue to maintain existing sandbox. Consider adding sand diggers at sandbox
7. Keep and maintain open lawn area
8. Add second park sign at opposite end of park





Washington Park

Park Type: Neighborhood Park

Park Size: 1.24 acres

LEGEND

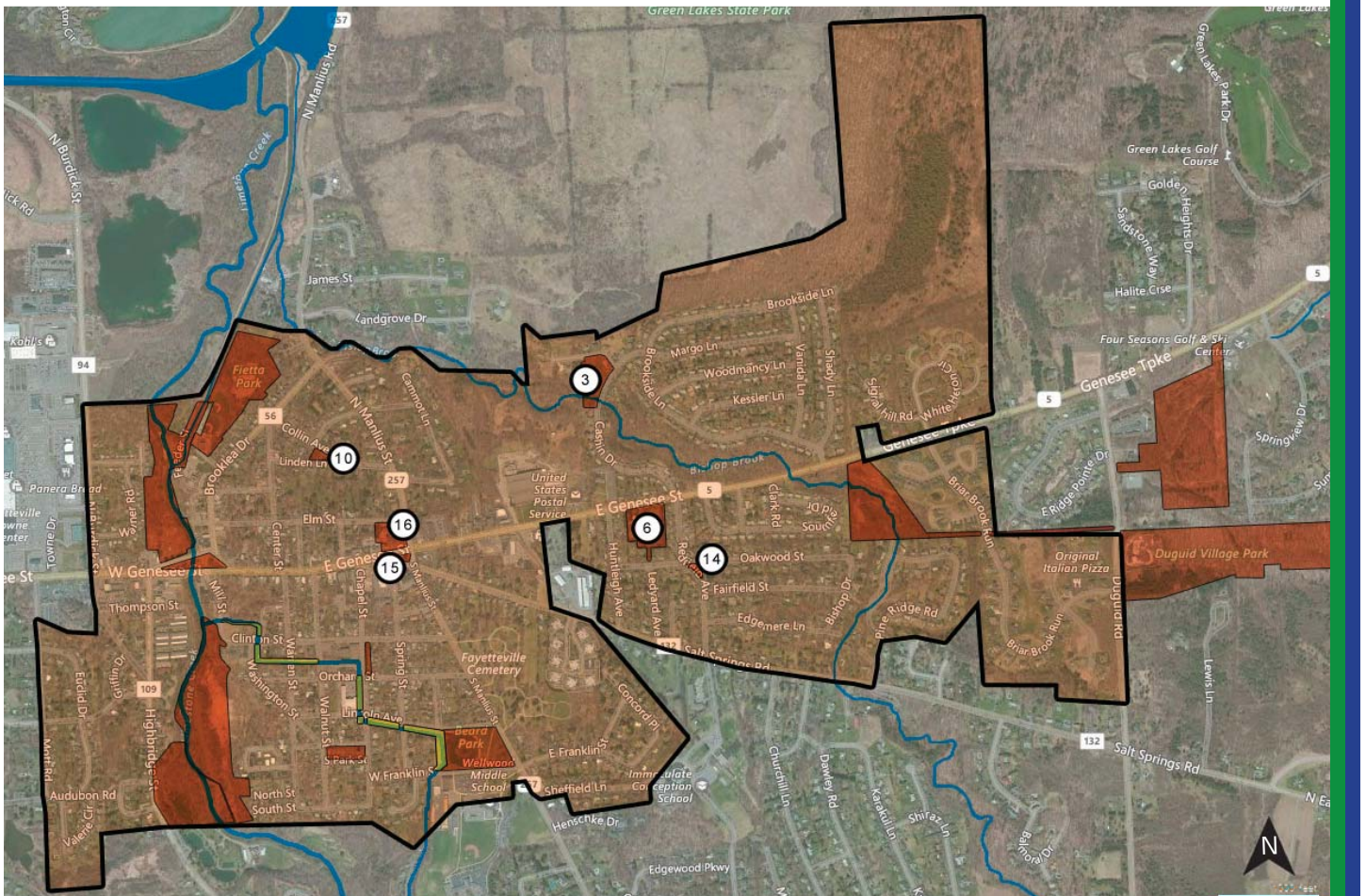
- Park Boundary
- Proposed Athletic Court
- Existing Athletic Court



Village Center Parks

Village Center Park include:

- 16 Village Hall and Cleveland Park
- 15 Veterans Park
- 3 Coulter Park
- 6 Fayetteville Senior Center
- 10 LaFayette Park
- 14 Redfield Avenue Triangle



Village Hall and Cleveland Park

16

This property was purchased from the Fayetteville School District in 1932 as a site for the Fayetteville Municipal Building which was named Grover Cleveland Memorial when it was completed in 1936. A 1953 addition moved the Fire Department to a new, larger eastern section of the building. Further additions to the building in 1991 and 2012 further expanded the Fire Department space. In 1937 a playground had been operated on the east and north portions of the Municipal Building property and dedicated as Cleveland Park. The playground has since been removed.

Recommendations

1. Add a Park Sign
2. Add Historical Interpretive signage (Coordinate signage with proposed walking tour)
3. Add memorial to recognize Grover Cleveland
4. Add memorial to recognize the Marquis de LaFayette, who Fayetteville is named for



Veterans Park 15

The small piece of land between Genesee St., South Manlius Street and Salt Springs Road is, and will continue to be, a focal point for the Village of Fayetteville. Any improvements to the park should reflect the historic character of the Village.

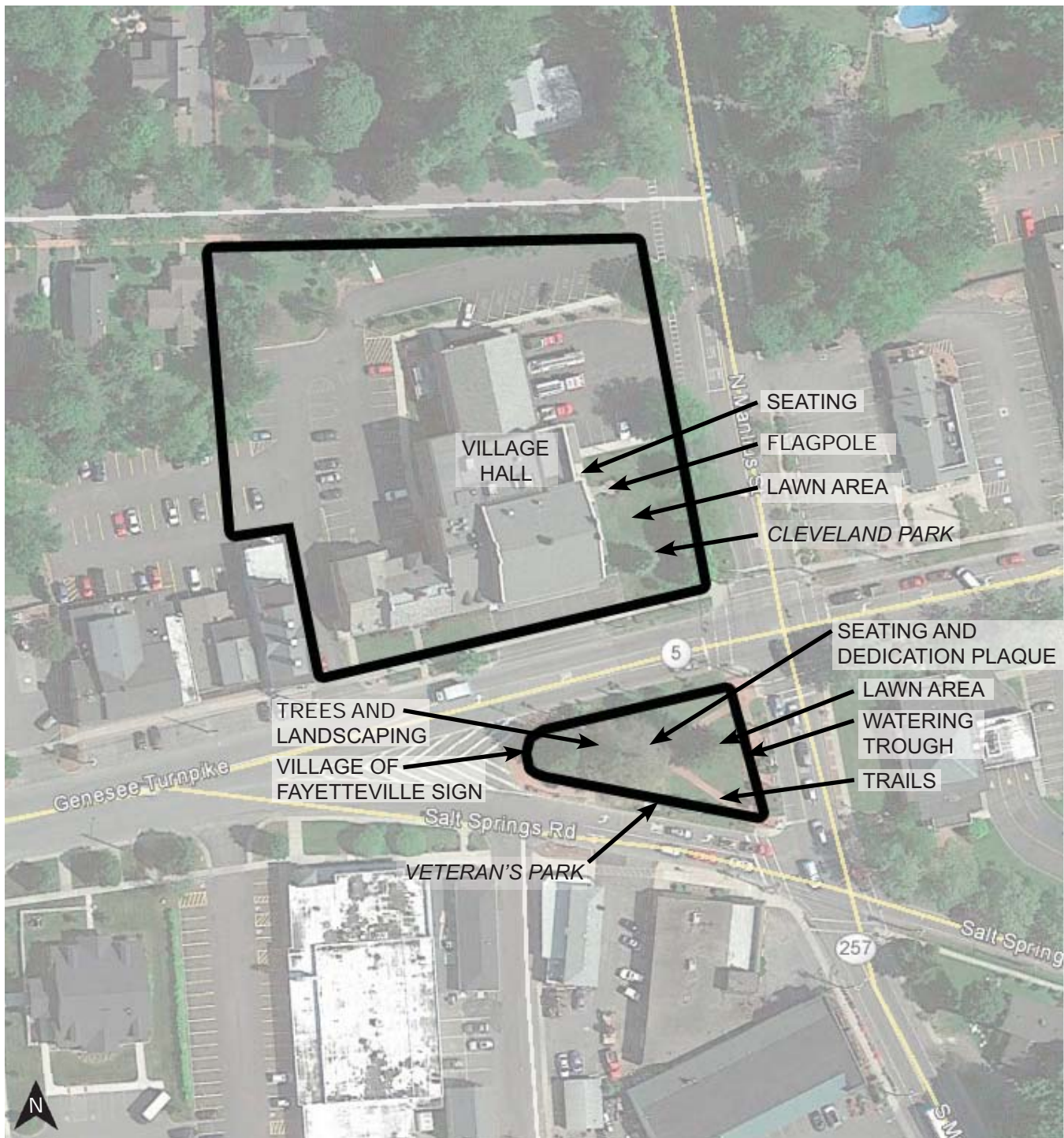
The horse watering trough given to the Village in 1882 by Colonel John Gaynor in memory of his father, Edward Gaynor, was originally placed at the west point of the park. It was moved about 1930 to the east side of the park.

Veteran's Park is a main focal point of the Village and many of the park's features reflect this. Since the 1997 Park Master Plan, the park was renovated based on the recommendations of the Master Plan. Brick paved paths and benches are located throughout the park as well as Historical Markers. Many of the mature trees were protected as part of the renovations. The Main feature is the curved brick wall at the Genesee St point which contains the Village sign and is available for notices with permit from the Village. The wall identifies the village as well as upcoming activities and local groups. There are also notable trees within the park, including a large Spruce that is decorated with lights for the Christmas holiday, and a Wheatley Elm grafted on to a Smooth-Leafed Elm root.



Recommendations

1. Add Historical Interpretive signage
2. Continue to maintain park as is



Village Hall and Cleveland Park and Veterans Park

Village Hall & Cleveland Park

Park Type: Pocket Park

Park Size: 1.79 acres

Park also known as:
Cleveland Park

Veterans Park

Park Type: Pocket Park

Park Size: 0.17 acres

Park also known as:
Triangle Park, Legion Park, Center Park, and Genesee Park

LEGEND

 Park Boundary

Coulter Park ③

This well-developed park at the corner of Cashin Drive and Aladdin Drive in the Brookside neighborhood has nearly all the requisite features of the Neighborhood Park. Despite its "complete" condition, several areas of maintenance need to be addressed. The playground equipment at Coulter Park was replaced in 2017, replacing the old outdated playground equipment. There is an existing backstop which has some rusting chainlink, there are two backboards and basketball court. The Brookside neighborhood group is requesting that the Basketball court be converted to a tennis court/ basketball court facility. The Village should work with the Brookside neighborhood group and review the use of the backstop and backboard to determine if they are still used by the neighborhood. If they are used they should be renovated and maintained, if not, they should be removed.

The open lawn area in the park is used for soccer, baseball, and lacrosse, among other activities. There is a slope going down to the lawn area from the street which is commonly used for sledding by the kids in the neighborhood.

Behind Coulter Park is undeveloped wooded property with Bishop's Brook running through it. This provides opportunity for a linear park trail system along Bishop's Brook (See Recommendation 7).

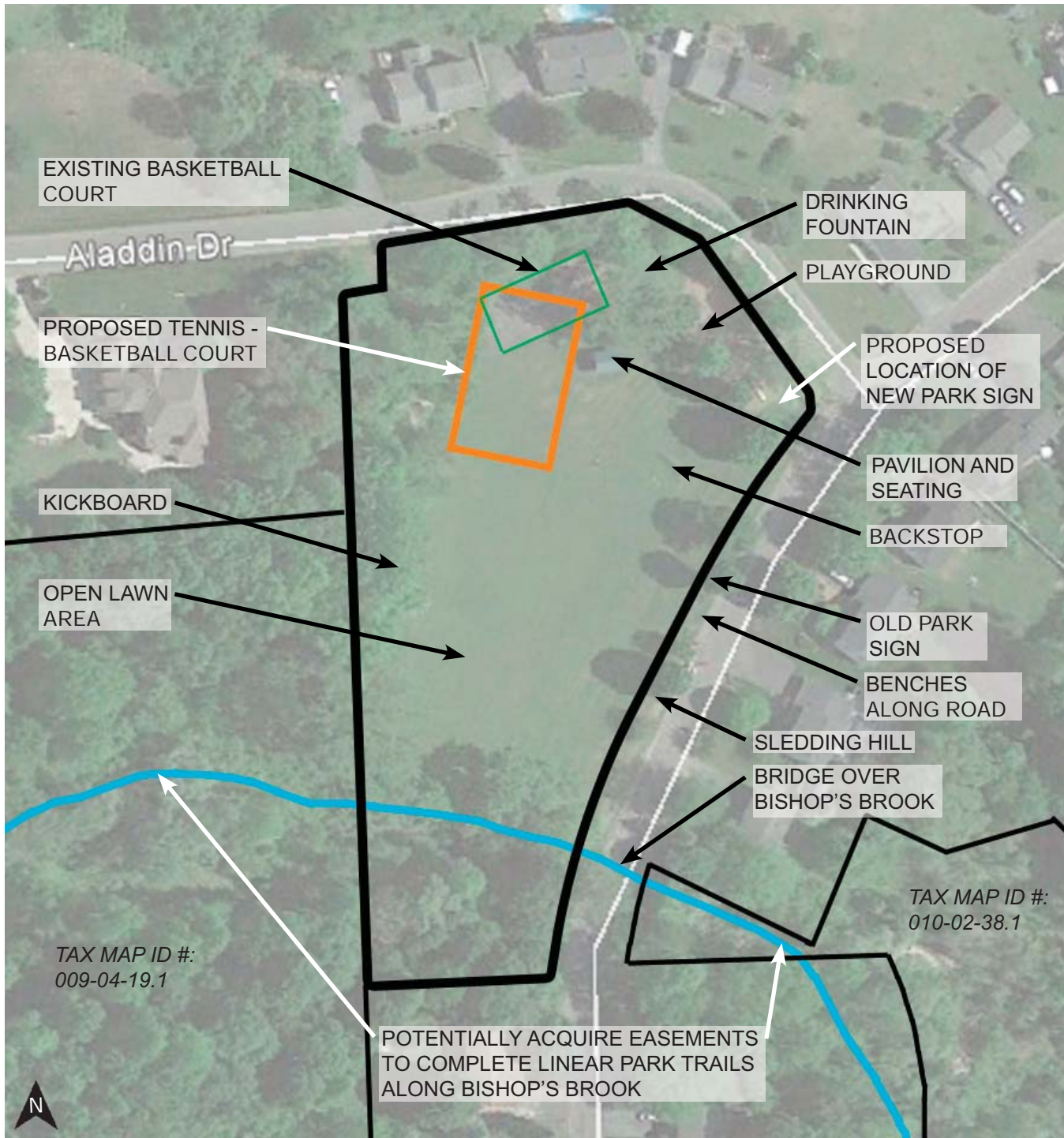
Survey Responses:

Located in the Brookside neighborhood, the park has a lot of use by the neighborhood residents. The playground and open lawn area at this park are very popular and in the winter kids enjoy sledding here. It also is used as a social gathering space for the community/nearby residents. Majority of the park visitors feel safe visiting the park but there is some concern with vehicular traffic at a "blind corner."

Recommendations

1. Replace existing basketball court with a combine Tennis-Basketball Court
2. Replace Park sign with new and possibly relocate to park access point
3. Maintain or replace existing backstop and kickboard
4. Add traffic signage and pedestrian crossing areas
5. Replace park benches with new
6. Improve Handicap Accessibiity to Park
7. Add seating and or gathering space(s)
8. Investigate possibility of acquiring easements to complete Linear Park trails along Bishop's Brook (TAX ID # 009-04-19.1 and 010-02-38.1) which can further provide park connectivity opportunities. See Appendix II for Proposed Bishop's Book Linear Park Trail Map.
9. Consider adding playground equipment for older kids





Coulter Park

Park Type: Neighborhood Park

Park Size: 2.7 acres

LEGEND

- Park Boundary
- Bishop's Brook
- Proposed Athletic Court
- Existing Athletic Court

Fayetteville Senior Center ⑥

Also known as the George Wortley Senior Citizens Campus, this property currently contains the Fayetteville Senior Citizen Center, storage buildings, lawn areas, trees, memory garden and a parking area. It has pedestrian access along the Genesee Street sidewalk, and access to Oakwood Street to the south. Facilities in this park include a Memory Garden, Garden Plots and open lawns for picnicking and relaxing.

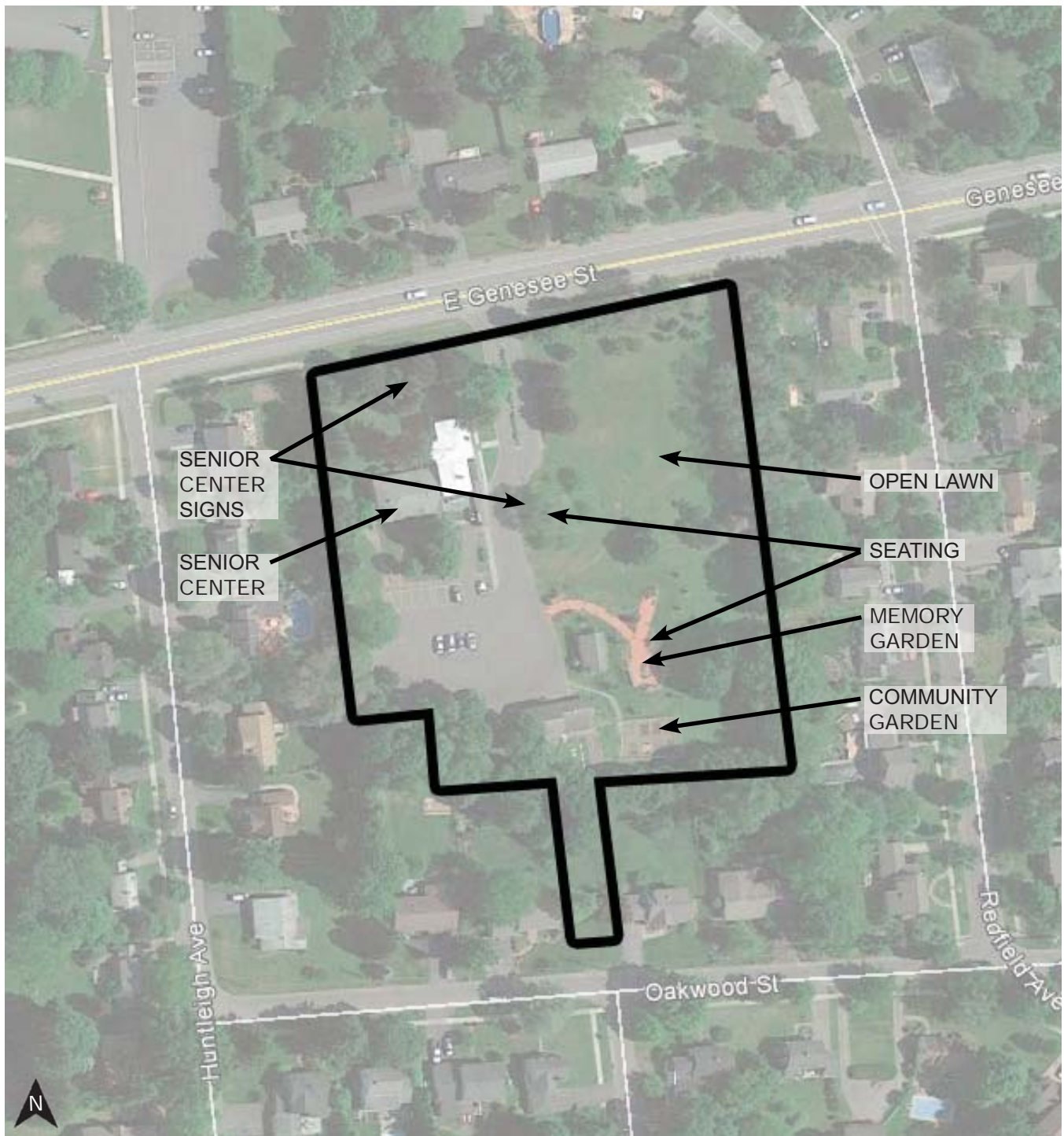
Survey Responses:

The Fayetteville Senior Center, also known as the Grover Cleveland Memorial Senior Center, is most popular for the various events held there. The large open lawn and gardens are popular to the visitors here.

Recommendations

1. Add more site amenities, such as benches and trash cans
2. Develop a maintenance plan for the upkeep of the Memorial Garden
3. Consider the installation of a childrens' play area for use by the Redfield neighborhood





Fayetteville Senior Center

Park Type: Community Park

Park Size: 3.8 acres

*Park also known as:
George C. Wortley Senior Campus*

LEGEND

— Park Boundary

LaFayette Park ⑩

This small green space is located on Linden Lane. The section of Lafayette Lane at the west end of the park has never been developed as a street, and is a continuation of the grass park land, giving the appearance of an extension of the lawn of private residence on the west side of Lafayette Lane. The park space is a significant passive park and it should be maintained in its current configuration including grass and trees. The park is also known as Linden Lane Triangle or LaFayette Triangle.



Park Type

Pocket Park

Recommendations

1. Continue to maintain park

Redfield Avenue Triangle ⑭

At the intersection of Redfield Avenue and Oakwood Street, this small park contains only grass, trees, and shrubs. It is surrounded by streets, and is too small to contain any active recreation facilities. It is a significant passive green space, and should be maintained as such.

Improvements could include upgraded landscaping and a sitting area.



Park Type

Pocket Park

Recommendations

1. Continue to maintain park
2. Consider landscape improvements and seating area



LaFayette Park

Park Type: Pocket Park

Park Size: 0.23 acres



Redfield Avenue Triangle

Park Type: Pocket Park

Park Size: 0.09 acres

LEGEND

— Park Boundary



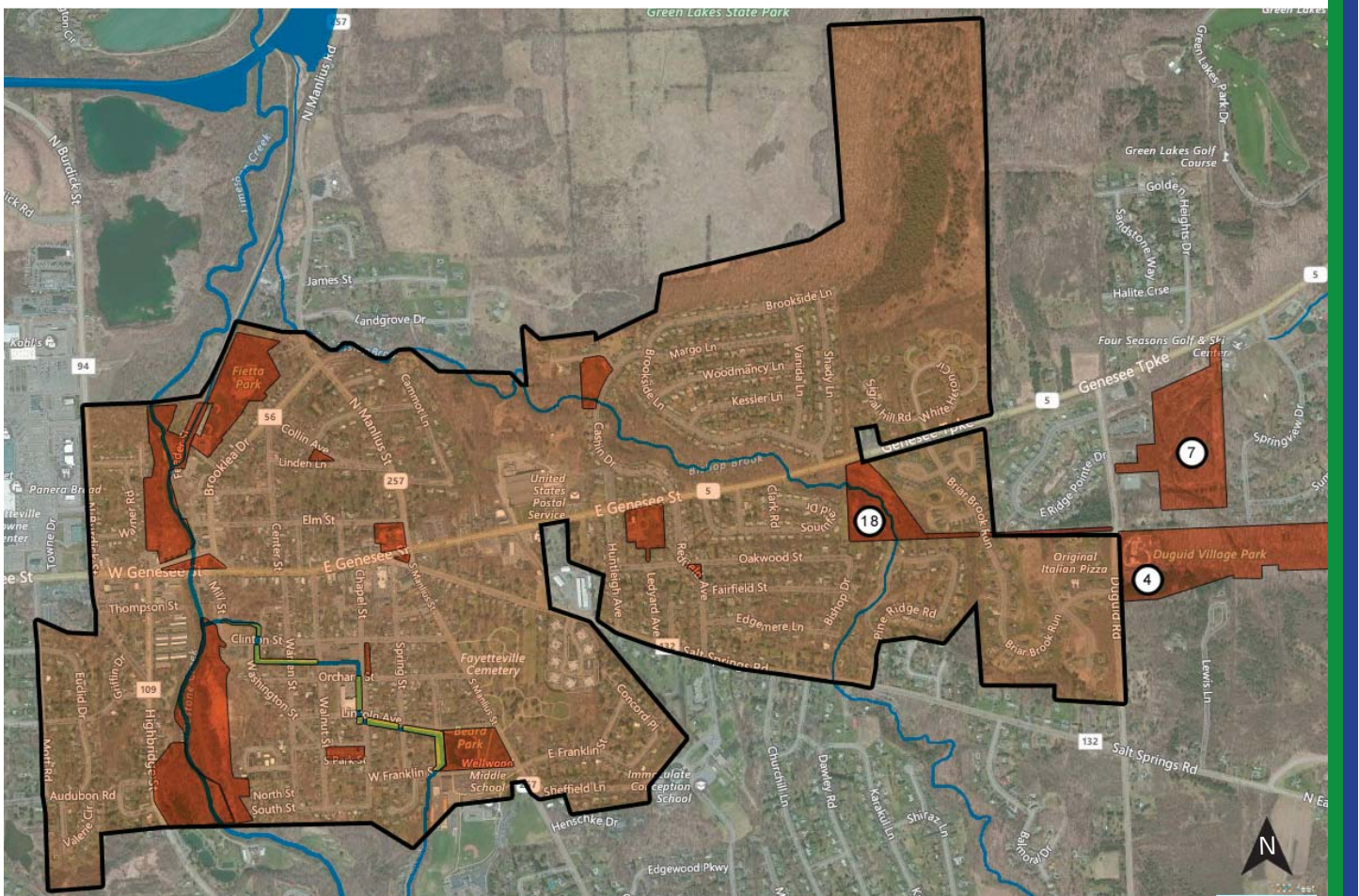
Village East Parks

Duguid and Golden Park are undeveloped park land owned by the Village of Fayetteville and are located on E Genesee St (Route 5) and Duguid Rd. Majority of survey responders feel unsafe walking/biking to these parks and noted traffic concerns along route 5. For future development of this park, recreational opportunities, especially for walking, hiking, running, and biking trails was the most popular. There was also a lot of interest in dog parks and/or other dog related opportunities, play and social gathering areas, educational opportunities (such as educational, historical and interpretive signage), open lawn areas, athletic fields/courts (including tennis, soccer, volleyball, baseball, and basketball), and improve connectivity.

Briar Brook Run property along Bishop's Brook is another undeveloped parkland property owned by the Village, which provides opportunity to connect to Duguid and Golden Park, as well as connect to the eastern side of the Village. Future development suggestions were very similar as for Duguid and Golden Park. These suggestions included recreational opportunities, dog related facilities, play and social gathering spaces, educational opportunities and open lawn areas. Unlike Duguid, majority of survey responders appear to feel safer traveling to this park for those that live within walking/biking distance.

Village East Parks include:

- ⑮ Briar Brook Park
- ④ Duguid Park
- ⑦ Golden Park



Briar Brook Park 18

This property is identified as Briar Brook Run on the park mapping. The topography along the creek naturally lends itself to trail development. A local Mountain Bike Club is proposing to build, via volunteers, a multi use mountain bike trail in this park. The path would continue through the designated trail corridor and connect with trails at Duguid Park. This trail would provide a safe access for many residents of the east side of the Village, for walking, jogging or biking to Duguid Park. See Briar Brook Park Master Plan on the adjacent page for trail location. The park should be left as a natural area kept for biking and hiking and exploring nature. A small parking lot can be built off E. Genesee St.

The trail section to the west of Coulter Park could follow up a portion of Bishops Brook, and continue along vacant land to the former rail road right of way. Along this former right of way, the trail could lead into the recently purchased extension of Green Lake State Park. This section of trail could continue a series of public streets to Feeder street, and connect to the Old Erie Canal State Park trail system.

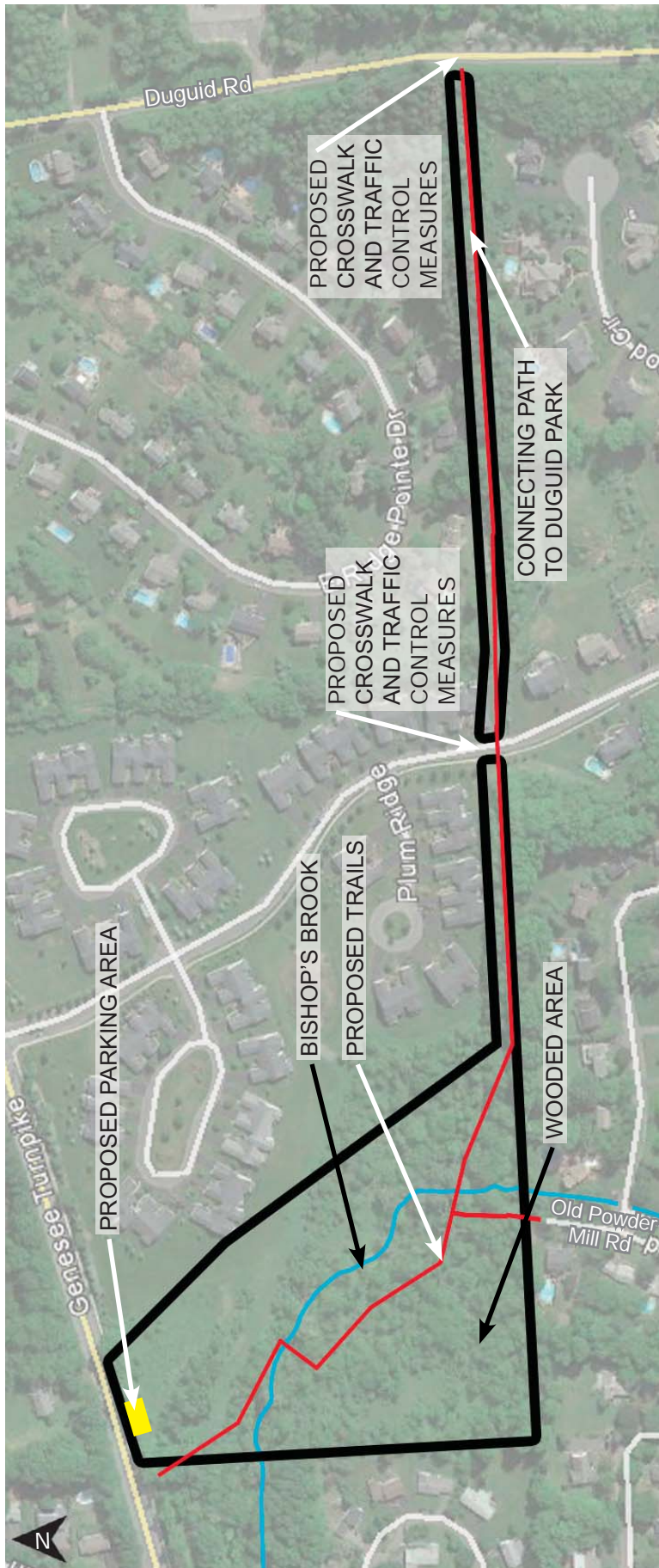
The 1997 Parks Master Plan recommended further study of a linear park system along Bishops Brook north of Genesee Street near the Brookside subdivision. It is recommended that the Village acquire the land or an easement over the land consisting of the undeveloped slopes of Bishop Brook east and west of Coulter Park to secure a Greenway corridor for a Village Trail network. East of Coulter Park, there is a 12.4 acre parcel of vacant land along Bishops Brook, from Coulter Park to East Genesee St. This parcel could provide a major section of the trail network.

This section of trail to the east of Coulter Park could follow Bishops Brook through the proposed Bishops Brook Park, to Genesee Street crossing and following Genesee Street on a develop shoulder, to Briar Brook Run Property owned by the village.



Recommendations

1. Install a pedestrian crossing and traffic safety measures where path crosses Briar Brook Run and also where trail intersects Duguid Road (Between Briar Brook Run and Duguid Parks). See Appendix II for Proposed Bishop's Brook Linear Park Trail Map.
2. Clear out some vegetation where trails meet roads for visibility between vehicles and trail users
3. Add a Park Sign at entrance(s) to the park
4. Connect proposed trail to the dead end on Old Powder Mill Road
5. Investigate potential area for parking off Genesee St.
6. Complete planned/proposed recreational trail
7. Create a Linear park trail along Bishop's Brook which can further provide connectivity between parks and neighborhoods within the Village. See Village-Wide Recommendation #5 on page 65 and Proposed Bishop's Brook Linear Park Tail Map in Appendix II.



Briar Brook Park

Park Type: Neighborhood Park

Park Size: 10.99 acres

LEGEND

- Proposed Trail
- Park Boundary
- Bishop's Brook
- Proposed Parking

Duguid Park ④

This partially developed parcel of approximately 30 acres is outside of the Village limits in a partially developed residential area. Access to this park would be predominately by car or by foot/bike from Briar Brook, and recommended facilities will serve the entire village, as well as residence from the surrounding Town area, qualifying it as a Community Park.

There are approximately 12 acres of mature forest land, including a significant stand of large maple trees and a large group of mature beech trees near the spring house. There's also a small plantation of pine trees, and the park is generally forested. There's an open area around the reservoirs, and a large open swath cut through the forest area to accommodate a power line and water line easement.

This park also contains natural springs, three historical spring houses, Pools Brook, two former reservoirs, various utilities and easements, an access road, various trails, and a lean-to. The two reservoirs were built in 1892 and 1912 and were ceased to be used by the Village in 1972.

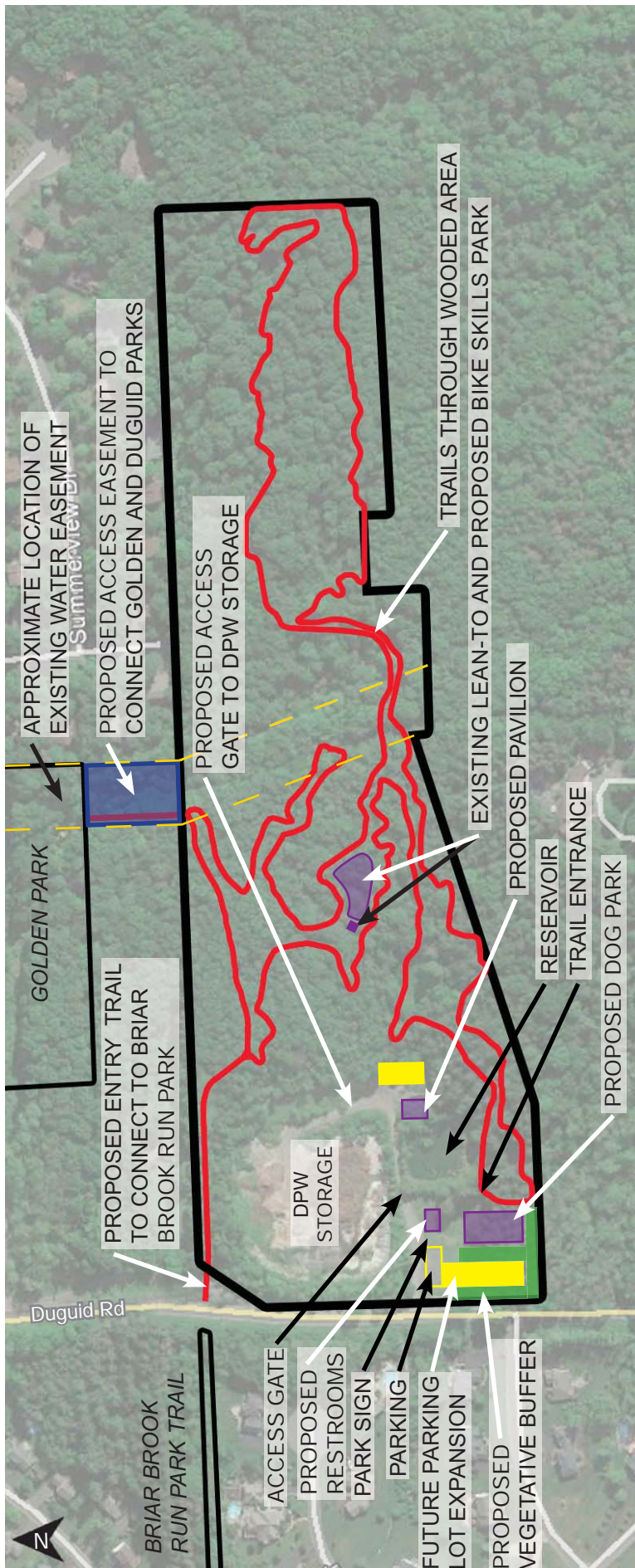
Recommended development for this park includes passive use recreation for all age groups, and low impact development and activities. A two-stage development is recommended to accommodate the existing work area functions of the department of public works.

First phase would include an improved entry drive from Duguid Road, parking, trails, interpretive signs, and benches. Activities could include mountain biking, hiking, walking, nature study, picnicking, camping by organized groups, cross-country skiing, dog park, and snowshoeing.

Second stage improvements include relocating the Department of Public Works functions to another site or concentrating them into the large reservoir area. Recommended improvements include the addition of a picnic area and restrooms, and a children's play area. A plaza-type skate park could also be considered. The parking area will have to be increased to accommodate the projected use of the additional facilities.

It is recommended that a trail to Golden Park be constructed on the right-of-way or on land acquired between the two parks. This is also included with Golden Park (page 58).





Duguid Park

Park Type: Community Park

Park Size: 29.48 acres

Recommendations

1. Install a pedestrian crossing and traffic safety measures between Briar Brook Run and Duguid Park
2. Add Trails for Hiking/Mountain Biking
3. Obtain easement connection to Golden Park
4. Dog Park and facilities/amenities. Provide vegetative buffer between dog park and Duguid Road.
5. Provide Picnic area and/or gathering space
6. Provide area for future Parking lot expansion if needed in future
7. Add Interpretive signage at Points of interest
8. Consider adding a Skate Park-Plaza area
9. Stabilize and maintain existing springhouses
10. Remove fence and clear out vegetation around reservoir for views into the reservoir. Install pond side deck/platform
11. Update Map on Park sign to reflect existing and/or new proposed Duguid Park Plan
12. Delineate edge between park land and private property with signage and/or vegetative buffer

LEGEND

- Proposed Trails
- Park Boundary
- Future Parking Expansion
- Existing Parking
- Proposed Site Element
- Proposed Vegetative Buffer

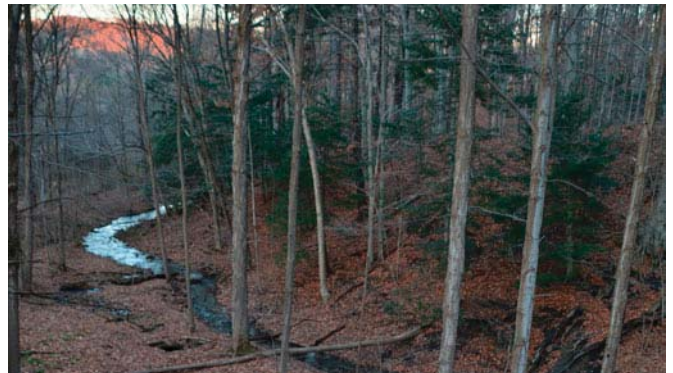
Golden Park ⑦

This parcel of approximately 25 acres is completely undeveloped and lies just east of the village of Fayetteville, just outside the village limits. The has frontage on E. Genesee St. and Duguid Road. The north section near Genesee Street is a relatively flat area with some open fields, and marshland, terminating in Pools brook Stream along the north border of the property. There is a steep embankment to the North along Genesee Street going down into the site. The south portion of the property is relatively steep and forested. A large open swath cut through the forest contains a power line and water line easement that continue southward through Duguid Park.

Access to this park would be predominately by car or bike and the recommended facilities to be developed would be used by residence of the entire village and the surrounding areas. Structures and Facilities should be limited to the north end of the park without access from Genesee Street. Improvements in the wooded area to the south should be in the low impact, and sensitive to the environment. It is recommended that this park be developed in stages.

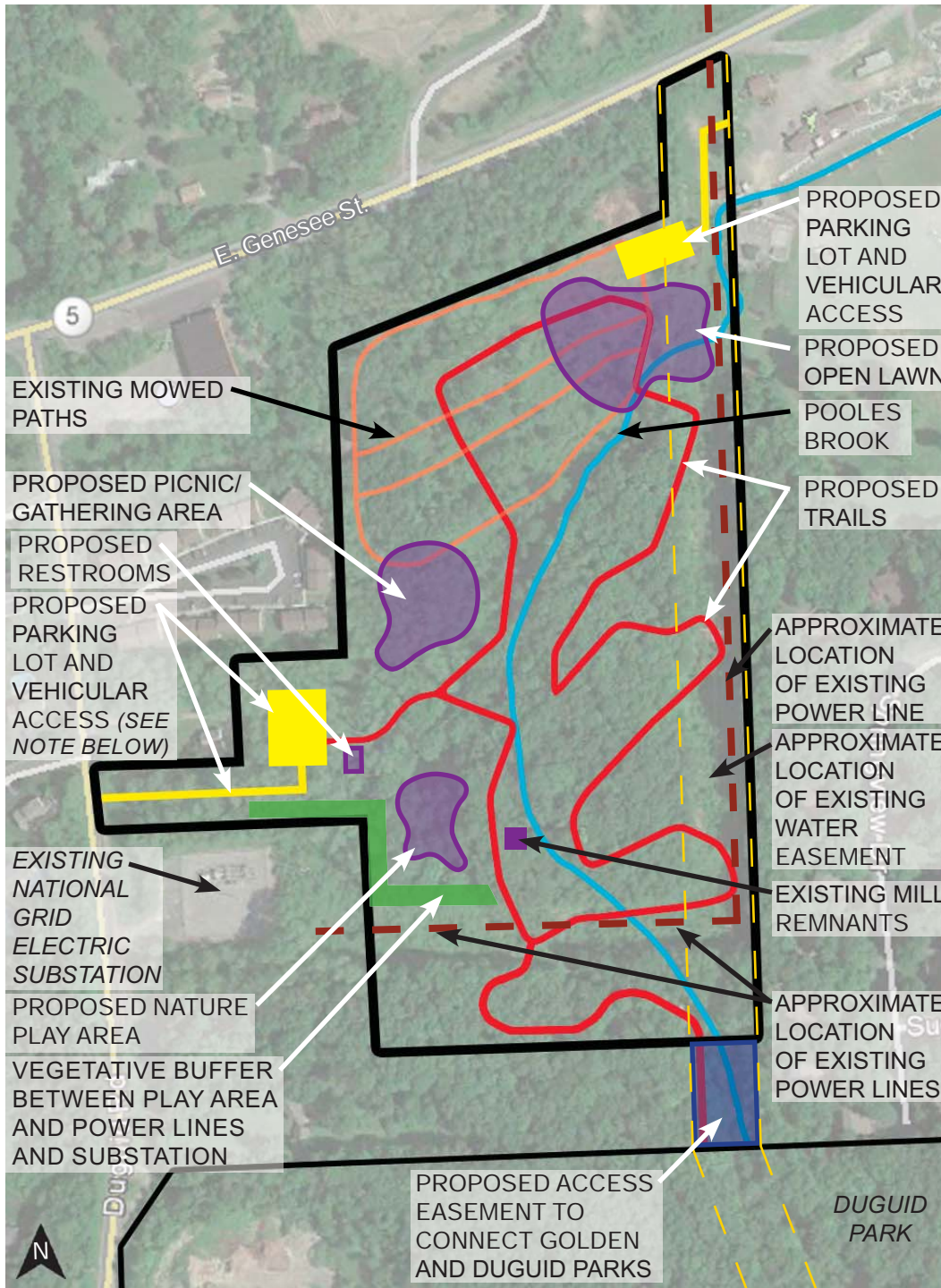
Initially the Village should seek a corporate agreement with National Grid to provide an access easement through the existing substation driveway and parking lot, and an access agreement with Four Seasons, the current adjacent property owner on Genesee Street, to provide a vehicular access point through their property. Proposed trails should be created throughout the park. If access through National Grid is not possible, then create an entrance road from Duguid Road, and a parking area. Facilities to be developed include trails for mountain biking, hiking, walking, dog walking, nature study, cross-country skiing, disc golf, and snowshoeing. A picnic area, dog park, seating/gathering areas, and a restroom facilities are also recommended.

The trails in both stages of development could be jointly used with the adjacent private recreation facility through a corporate agreement. A trail to Duguid Park should be constructed on the right of way or a land acquired for that purpose.



Recommendations

1. Add site amenities including: seating, bike rack, pavilion and restrooms
2. Add and Maintain Trails for multi-purpose use; ie: hiking, mountain biking, Cross country skiing, snowshoeing, etc.
3. Add Picnic Area with Grills and Picnic Tables
4. Add access road and parking lot off of Duguid Road and adjacent property, currently owned by Four Seasons, via proposed access easement to be obtained
5. Add a Nature Play Area
6. Add open lawn area
9. Add Disc Golf/open lawn area
10. Obtain easement connection to Duguid Park and to adjacent property, currently owned by Four Seasons.
11. Delineate edge between park land and private property with signage and/or vegetative buffer
12. Add interpretive signage at historic mill remains



NOTE: Alternate option is to seek permission from National Grid to use their existing curb cut for access from Duguid Road into Golden Park.

Park Type: Community Park

Park Size: 24.32 acres

LEGEND

| | |
|---|--|
| --- Existing Power Line | --- Proposed Trail |
| --- Existing Water Easement | --- Proposed Vehicular Access |
| --- Proposed Parking | --- Park Boundary |
| --- Proposed Tree Buffer | --- Proposed Access Easement |
| | --- Proposed Site Element |



Manlius Springs

This partially developed 12.5 acre parcel is adjacent to Perry Springs Park in the Village of Manlius. It has an access road from Fayetteville-Manlius road, and an unused water reservoir, kept full from the many springs in the wooded hillside. It serves as a part of the water source to Willow Brook, to the Manlius Center Pond, which is piped to Ledyard Canal, which supplies Beard Park Pond.

This property is over one mile from the Fayetteville Village line, and is not large enough, nor is it in an appropriate location to be developed into a Village park. It would be an ideal addition to the nature trails and fish hatchery located in the adjacent Perry Springs Park. It is recommended that ownership of this property be transferred to the Village of Manlius for the sole purpose of expanding their existing Village Park, with the stipulation that the Village of Manlius would preserve and maintain the water supply to Ledyard Canal.

Recommendations:

1. Continue to maintain Manlius Springs



Other Recreational Opportunities

The Village of Fayetteville contains a large amount of recreational opportunities in its Village owned parks. The parks are not the sole source of recreational opportunity though. Cemeteries, schools, and private facilities can also provide opportunities as well both within and near by the Village.

Cemeteries

Cemeteries can be used for passive recreation activities such as walking.

Fayetteville Cemetery

Location: 321 Manlius Street

Size: 19.33 acres

Immaculate Conception Cemetery

Location: South side of East Genesee Street

Size: 5.28 acres

Pioneer Cemetery

Location: South side of East Genesee Street

Size: 0.58 acres

Schools

Schools within the Village of Fayetteville provide many recreational opportunities for the students who attend there and Village residents. A permit is required to use the facilities at the school.

Fayetteville Elementary School

Location: 704 South Manlius Street

Size: 43.37 acres for Fayetteville Elementary School and Wellwood Middle School combined

Recreational Opportunities:

Playground, Play area, Lacrosse, Baseball, Open Lawn area

Wellwood Middle School

Location: 700 South Manlius Street

Size: 43.37 acres for Fayetteville Elementary School and Wellwood Middle School combined

Recreational Opportunities:

Playground, Baseball, Tennis, Lacrosse, Open Lawn area

Immaculate Conception Elementary School

Location: 400 South Springs Road

Size: 33.82 acres

Recreational Opportunities:

Playground, Little League Baseball, Open Lawn area

Mott Road Elementary School

Location: 7173 Mott Road (Manlius, NY)

Size: 20.24 acres

Recreational Opportunities:

Playground, Nature Trail, Basketball, Open lawn area

New York State Owned Property/Facilities

Green Lakes State Park

Erie Canal State Park

New York State Canal Property

Genesee Street Bridge Property

Private Facilities

Public facilities are not the only option for recreation. Private facilities also provide and help expand the recreational opportunities to Village members.

YMCA *

Location: 200 Towne Drive

Size: 14.52 acres

Recreational Opportunities:

Gym equipment, Poolm Cycle, Group exercise classes, Basketball, Volleyball, and more

Four Seasons Golf and Ski Center *

Location: 8012 East Genesee Street

Size: 13.45 acres

Recreational Opportunities:

Skiing, Snowboarding, Snowtubing, Batting cages, Soccer cages, Driving range, Golf

Sun Chong's Tae Kwon Do Center (and Prestige Day Camp) *

Location: 8020 East Genesee Street

Size: 5.48 acres

Recreational Opportunities:

Tae Kwon Do, Playground, Basketball, Tennis, Bike riding, Pond, Fishing, Swimming Pool, and more

Green Lakes Lanes Inc *

Location: 7930 East Genesee Street

Size: 1.26 acres

Recreational Opportunities:

Bowling

Note: Locations with a * are privately owned facilities and may or may not require permission and/or fee for use of facilities.



Chapter 5: Village-Wide Recommendations

The previous chapter went over the Village of Fayetteville Parks and recommendations for each individual park. In addition to those recommendations, there are some Village-wide recommendations related to the Village parks.

Additional Recommendations

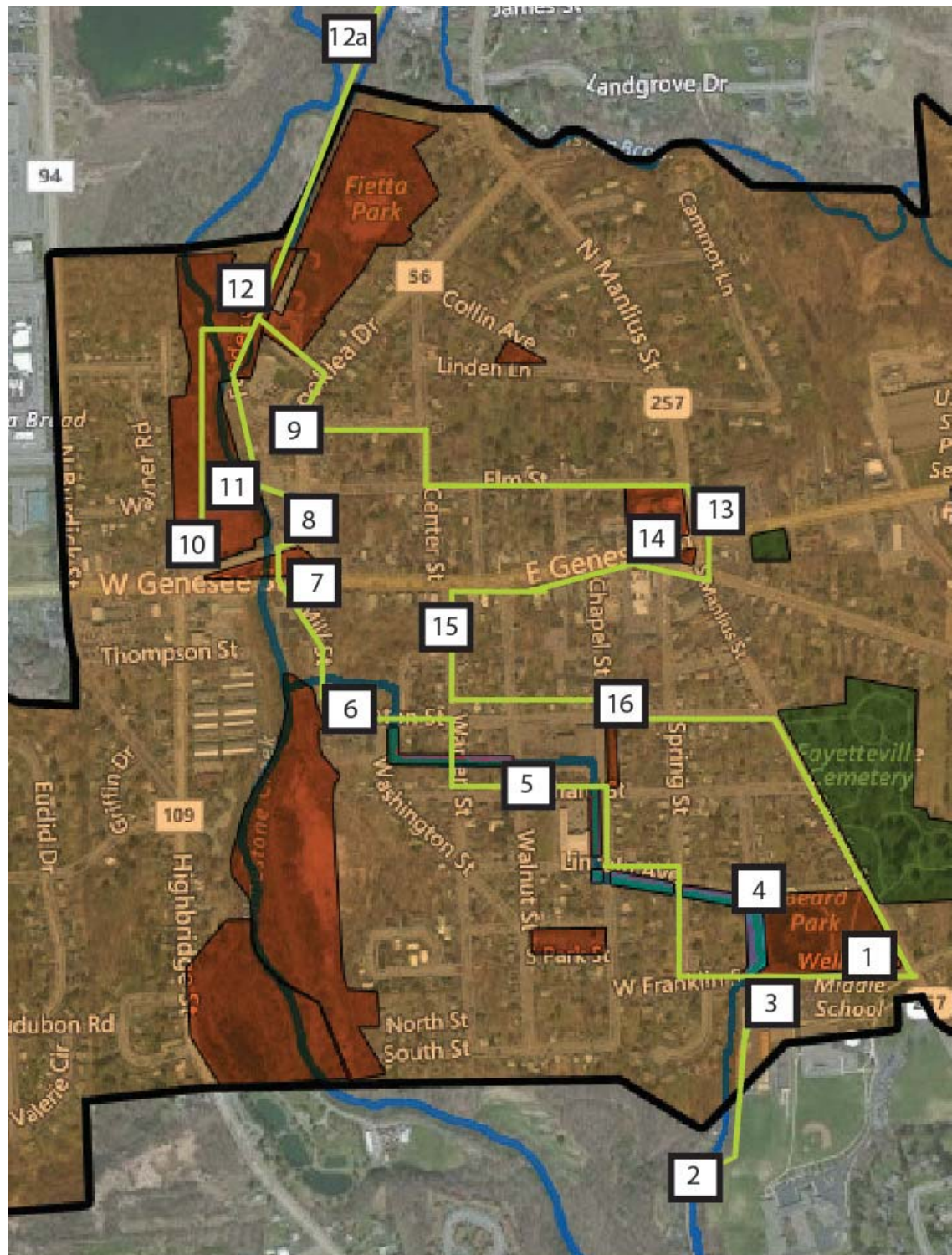
1. Limestone Creek is a valuable recreation resource for the Village to provide activities such as fishing, canoeing, kayaking and hiking along the creek edge. Its health is important in supporting these activities. The following recommendations are made by Trout Unlimited for Creek improvements to support fish and access for fishing, as well as providing trails along/by water.
 - A. Near Canal Landing park, add Risely Memorial Bench and improve fishing access to creek.
 - B. Continue Work on Channel Downstream of Bridge- Remove gravel island. Assess condition of channel annually after spring flows recede and revise needs.
 - C. Improve habitat below Pratt Lane with Scattered Rocks for shelter and flow. Diggers to deepen pool.
 - D. Build cantilevered fishing deck behind new Mill St Parking lot.
 - E. Add Shade Trees and fishing platform: Add one or more Sycamore trees to east bank, possibly willows low on the bank from bridge to behind Pratt Lane.
 - F. Restore area downstream near flume/spillway from Towne Center.
 - G. Improve parking area at end of Feeder Street.
 - H. Improve and add fishing access points, such as Mill Street and North Street.

See Park Master Plans in Chapter 4 for specific location of the above items, and Appendix I for detailed *Limestone Creek Master Plan Suggestions*

2. Park Signage- Develop a park signage plan to create an identity for Village of Fayetteville Parks. Signs categories include Park identification, wayfinding, historic interpretation, environmental interpretation and Park rules and guidelines. These signs can be used as a part of a walking tour through the village. (See following page for signage and map)
3. Programming – The Village should continue to expand and explore a variety of recreation events and programs to offer residents. Collaborations can be made with local fitness groups such as Mountain Biking and businesses such as yoga instructors, LL Bean of Town Center and YMCA. Events and programs should be advertised in a variety of formats including the newsletter, email list services such as the Peach Jar through the Fayetteville Manlius CSD and flyers at Parks.
4. Trees – Trees are a valuable resource in parks by providing shade, aesthetics as well as environmental benefits. Trees on Village property should be continued to be maintained and protected. Trees that need to be removed should be replaced with a new tree in its place. More shade trees should be added to parks where there are playgrounds large open spaces. When building trails through wooded areas design trails through areas of least impact to trees to minimize removal of mature trees and root damage.
5. Connectivity – Provide connection between Parks via trails and/or sidewalks. Use of identical park amenities, such as light poles, benches, and signs, could help connect and create an identity for Village of Fayetteville parks. Additionally, connections could be provided to other elements, including the YMCA and the Empire State Trail. Connectivity can also be provided through Linear Parks, such as along Limestone Creek, Ledyard Canal, and Bishop's Brook. It is recommended to continue making trails and obtaining easements as needed to create and expand these Linear Parks.
6. Concession – Consider a private concession or municipal partnership for the rental of kayaks, bicycles and fishing poles, as well as, selling supplies associated with those activities.
7. Maintenance – Continue to maintain all existing parks for the safety and enjoyment of park visitors. Consider adding Pet Waste bag stations at various parks around the Village.

8. Website and Social Media – The internet is a valuable source used for information. Having access to information on the parks and its facilities available within the Village parks would be an educational and informational resource for residents within and near-by the Village of Fayetteville. It is recommended to update the Village of Fayetteville website with information of the Village owned parks, its facilities, and programming at the parks. Social media accounts should be considered for Village of Fayetteville parks which can contain the same information and advertise events at the parks.

Proposed Village Walking Tour and Interpretive Signage Plan



- | | |
|--|--|
| 1. Huntington Beard & Samuel J. Wells | 10. Changes in Canal Landing |
| 2. 200 year old white oak tree | 11. Water Control: Dams and Locks |
| 3. Ledyard Canal history | 12. Feeder Canal |
| 4. Ledyard Canal Function/ workings | 12a. Sheedy Lime kilns |
| 5. L & J G. Stickley Furniture | 12b. Erie Canal - Limestone Creek Aquaduct |
| 6. Businesses on the Ledyard Canal / Limestone Creek | 13. Village history and founders |
| 7. Limestone Plaza | 14. Marquis de Lafayette |
| 8. Fires shape Fayetteville's history | 15. Matilda Joslyn Gage |
| 9. Lime kilns cement Fayetteville's history | 16. President Grover Cleveland |

LIME KILNS CEMENT FAYETTEVILLE'S HISTORY

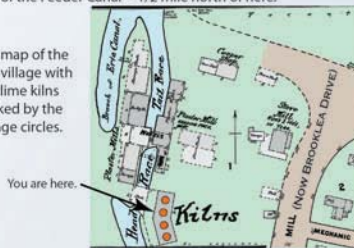


WITHOUT THE LIME KILNS, THE VILLAGE MAY NEVER HAVE DEVELOPED.

WHERE WERE THE LIME KILNS?

- Four lime kilns existed on the bank of the Feeder canal. The stone remains at least one lime kiln are visible in the embankment directly in front of you.
- Three other lime kilns, built in 1826, were located on the Sheedy Farm. Remains of these kilns can be seen on the east shore of the Feeder Canal ~ 1/2 mile north of here.

1890 map of the lower village with the lime kilns marked by the orange circles.



This photo was taken in approximately 1880 and looks across Limestone Creek and the Feeder Canal. Lime kilns are behind the Bangs and Gaynor sheds. (Fayetteville Free Library Archives).

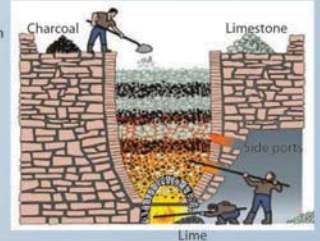
Fayetteville Parks Commission

WHAT WAS A LIME KILN?



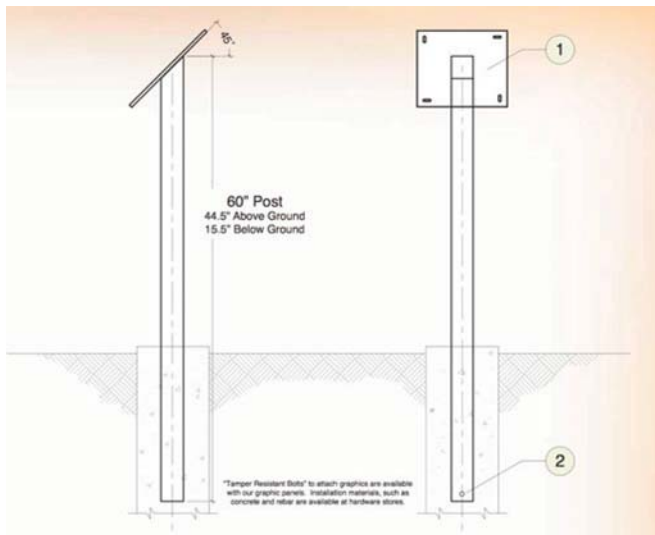
This illustration depicts the lime kiln that was located in front of you. (Illustration by John W. Johnson).

- A large furnace or oven in which pieces of limestone were burned to produce lime. Lime was ingredients in cement and plaster.
- From the top of the kiln, limestone and charcoal were layered above a fire box located at the bottom of the kiln.
- Lime was removed from the bottom of the kiln and then milled to fine powder.
- The kilns were fired for 3 - 4 days for each batch of lime, producing an acrid smoke that would linger in the lower village.



WHAT WAS THE SIGNIFICANCE OF THE LIME KILNS TO FAYETTEVILLE'S HISTORY?

- Fayetteville's location accessible to the Erie Canal, together with the abundance of limestone locally resulted in the construction of the lime kilns in this area.
- The lime produced in these kilns was shipped to numerous ports along the Erie Canal and beyond.
- 1000 barrels of lime per day were shipped from Fayetteville via the Feeder Canal at the prime use in 1860.
- The demands for limestone products spurred other business opportunities such as quarries, warehouses, barrel and boat making. Many residents in Fayetteville worked as laborers at these businesses and as blacksmiths, coopers, millwrights, and "water lime makers."
- The discovery of "natural cement rock" in this area by Canvass White in 1818 led to the first commercial production of hydraulic cement in America, beginning the continuous production of natural cement in New York State. Hydraulic cement is able to cure under water, which was essential for construction of locks and aqueducts in the Erie Canal.



Priorities of Proposed Facilities

With the adoption of this plan by the Village Board, phased development can occur in an organized manner in accordance with the prioritized list of improvements. This program of orderly development will help assure that tax dollars are properly allocated to areas of greatest need. It will also eliminate need to go through a lengthy decision making process when each facility is proposed for construction.

This plan provides a document for involving Village residents in the development of the various facilities. This will serve to increase public support for parks as well as for recreation programs.

Also, this plan will allow the Village to take serious advantage of various opportunities for funding, grant applications, or donations of labor, materials, or financing, when they arise. The Village Board in consultation with the Parks Commission should determine Park development and maintenance priorities.

5-Year Goals and Priorities

- Complete Canal Landing Phase 4 development
- Develop Friends of Fayetteville Parks Volunteer Groups
- Build trails in Duguid, Golden, and Briar Brook Parks
- Limestone Creek flood and fish habitat improvements (See Appendix I)
- Canal Landing land acquisition and expansion and add a pavilion on the acquired land
- Coulter Park improvements
- Washington Park improvements
- Limestone Linear Park Trail system and fishing access
- Create, improve, and maintain trails
- Start creating a park signage plan (See Recommendation 2 on page 65)
- Investigate Bishop's Brook Linear Park trail expansion
- Develop Duguid park with trail system improvements, bike skills park, dog park, and reservoir improvements



Chapter 6: Implementation

General

The implementation of the recommendations of this plan should result in a general balance of recreational opportunities to serve the future needs of the Village of Fayetteville. The Village should concentrate its efforts on acquisition and development as determined by the Village Board and Parks Commission. It is also recognized that continued use of the school facilities is necessary to satisfy the local demand.

It is expected that this plan will be adjusted to meet changes in future priorities and opportunities. Changes in financial assistance programs, population growth rates, development trends, and new recreational interests can all have an impact on the development of this plan. Recommendations of this plan should be considered as guidelines. This plan should be reviewed and monitored on a regular basis and compared to current trends and needs to ensure that it will continue to be a useful guide in achieving a balance of leisure opportunities in the Village. Master Plan should be updated every 5-10 years.

Financing the Plan

There are many avenues of funding and combinations of funding sources for the acquisition and development of parks and recreation facilities. Some financial aid sources allow local manpower and equipment to be used as matching funds to achieve maximum value for each local expenditure. There are also techniques for using lands for public purposes in lieu of outright purchase and at substantial savings in cost.

Land may be acquired and/or financed through a variety of sources. Federal, state, and local resources may be combined for maximum benefit to the town. Non-profit organizations may be helpful in obtaining land or funds that might not be feasible.

The availability of federal or state assistance can vary greatly from year to year. Continued monitoring of new funding opportunities, appropriations, criteria for qualifying, and application schedules and procedures is necessary to take advantage of available grants.

Federal Sources

Land and Water Conservation Fund, Department of the Interior

This is a funding program that provides up to 50% reimbursement for acquisition and/or development of public outdoor recreation facilities. Funding is currently limited.

This program is administered in New York State by the Office of Parks, Recreation and Historic Preservation. Applications and current information can be obtained from the representative from the Central Region.

State Sources

Legislative Administration

The reduction in availability of grant program funding has resulted in an increase in legislative appropriations for projects of local interest. Contact your local state legislative representative for further information.

New York State Parks, Recreation and Historic Preservation

Local Sources

Fees and Charges

The development, maintenance, and/or operation of park facilities may be partially or completely financed through revenues obtained through user fees and charges. Individual, group, seasonal, or annual fees may be charged to participants in a variety of programs including picnic shelter reservations, adult league fees, and facility reservations for special events.

Real Estate Taxes

Real estate tax revenue may be used for acquisition, development, operation and maintenance of lands and facilities, including matching funds for grants in aid. Local tax revenues are the primary source of maintenance and operating funds. As additional recreational facilities are developed, provisions must be made for corresponding increases in maintenance and operating costs.

Bonding

Bonds generate immediate financing and are appropriate for large scale capital projects. General obligation bonds are backed by the general credit and taxing power of the municipality. Bonding may be subject to permissive referendum if so petitioned.

Donations

Service clubs, interest groups, developers, corporations, and individuals are all potential sources of money, land, materials, labor, and services for developing facilities as well as programs of particular interest to the donor. These donations can generally be used as part of the local match for most federal and state grant programs.

Volunteer Groups

Volunteer groups can be used to help build and maintain the Village of Fayetteville parks. Some sources of volunteer groups could include: Mountain Biking Groups, Boy Scouts, Girl Scouts, SUNY-ESF (and/or other local colleges) students, High School students, and/or build neighborhood park associations to help build and maintain parks. Village of Fayetteville can create partnerships with YMCA and/or other local businesses for support with park development and programming within the Village.

Roles and Responsibilities

The delivery of recreational opportunities to serve the varied interests of the Village's residents requires a system of Village parks and facilities complemented by school, state, private and commercial facilities.

Village

The Village will continue to be the primary provider of parks and recreation facilities since it is the only entity capable of assembling and developing park land on an comprehensive basis. The Village's present system of parks, facilities, and undeveloped lands provides a sound basis for the addition of new parks and facilities to meet increases demands.

It will be the responsibility of the Parks Commission, the Planning Board and the Village Board to implement the recommendations of this plan. This plan should be included in the State Environmental Quality Review for all future development projects in the Village.

Town

The Town of Manlius currently has no parks or recreational facilities. They operate a comprehensive recreation program utilizing Green Lakes State Park and other local parks and facilities.

State

The State of New York has an important role in continuing to provide the amenities in Green Lakes State Park which lies adjacent to and partly within the Village limits.

Private and Commercial

Private and commercial recreational facilities complement the public facilities and offer leisure opportunities that may not otherwise be available. They contribute to the enhancement of the quality of life in the Village and their continued existence should be encouraged.

Conclusion

Through the financing and support of the preparation of this plan, the Village of Fayetteville has demonstrated a long term commitment to parks and recreation. Through the Recreation Commission, the Village operates a complete recreation program utilizing the Village and State Facilities. Village parks and facilities are maintained by the Department of Public Works.

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APPENDIX

- I. Limestone Creek Master Plan Suggestions from Trout Unlimited
- II. Maps
 - Historic Village of Fayetteville Map
 - Proposed Bishop's Brook Linear Park Trail Map
 - Map of the Ledyard Purchase
- III. Consolidated Park Recommendations
- IV. Survey Results
- V. Canal Landing Park
- VI. Ledyard Canal Reports
- VII. 1997 Master Plan Park Plans

APPENDIX I: Limestone Creek Master Plan Suggestions from Trout Unlimited



Limestone Creek Master Plan Suggestions

I recommend rolling all of this into one project with multiple stages, some of them concurrent dependent on funding and time. This will enable a bundling of potential grant sources, the first applications of which need to be filed in the early summer.

Signage of some design approved by Village, Mall owners, DEC and other bodies needs to accompany each area where work is done.

(Note Priority is A-D, numbers 1-4 represent Martin's pictures in order below.) Listed in roughly the order I suggest tackling each portion of the project.

1A. **Risely Bench** Memorial/ and **Improved Access Path** to Creek near Canal Landing Park

- Bench - need to know type and design allowed by Village.
 - Determine costs
 - Plaque – design, wording and material
- Path/Access Improvement
 - What material do we need
 - Site
 - Costs

2A. Continued Work on **Channel Downstream of Bridge**

- Assess condition of channel after spring flows receded
- Revise needs
- Backhoe work to remove material from part of channel and redistribute to bank.
- DEC USF&WS approvals
- Onondaga County Soil & Water Conservation District Approval

1Aa. **Improve Habitat behind Pratt Lane**

- Scattered rocks for shelter and flow
- Diggers to deepen pool

1B. **Cantilevered deck** for ADA fishing access just upstream from pedestrian bridge

- Improve path and access upstream from bridge to bend on East bank of Creek.

Note: moving the platform to this point improves the park aesthetics and eliminates the steep path down to the bank for those in wheelchairs or otherwise mobility challenged. Also maintains proximity to parking for those with ADA parking passes.

Deck size: approx. 16'x24' with rails. This could be a Boy Scout Eagle project, or all volunteer work.

Tracey's or other local lumber company could be approached for donation of or discounts on material. DPW to dig footer holes and pour concrete. \$2000 in costs for material?

- Need to design and cost out.
- Improve existing paths by replacing stone dust that has washed out and regarding to reduce slope.

- Interpretive signage (possibly a kiosk similar to those at Carpenters Brook) at canal spillway discussing the history of the canal and the feeder system

2B. Shade at Bridge and Fishing Platform: Add one or two sycamore trees to East Bank, possibly some willows low on the bank from bridge to behind Pratts Lane.

- Both are more likely to be used if there is shade during the summer
- Cooling the water will enhance the habitat for fish.
- Willows will also increase likelihood of terrestrials as food source for trout in late summer when aquatic hatches subside
- Willows just above bank full height will slow water during high flows and absorb some of the impact so that less damage is done downstream.
- Should be native species, quick growing

3A. Restoration of area downstream of dam near flume/spillway from Towne Center

- June Cleanup and assessment at low flow.
- Re-naturalize outflow/flume from Towne Center
 - Install grease trap to catch contaminants in run off from parking lot
 - Install check structures
 - Remove all concrete and replace w/ native materials/large stone
 - Reconnect area to flood plane
 - Path connecting mall to stream to benefit local merchants (LL Bean, EMS, restaurants, etc.) Crossing Burdick Street at Towne Drive. Traffic signal required?
 - Interpretive signage/kiosk as well as directional path markers for Mall parking lot
 - Will require approval from Town, Mall owner, Fietta Corp.,
- Rocks and diggers for habitat and stream improvement
- Bank stabilization
 - Possible toe-wood structures/burritos to keep high banks from eroding on both east and west sides of creek
- Evaluate and repair depositional area at bend downstream of parking area along towpath
- Evaluate and improve culvert if necessary from Bishops Brook into Limestone

3C. Improve parking area at end of towpath. Keep relatively small, but accessible for fishing, bikers, walker, kayakers, and other users of the park area.

2C. Create access path down riprap embankment downstream of pedestrian bridge.

- Narrow pathways for walking access to stream
- Some willow plantings to stabilize bank and pathway, and to absorb force of high flows, as well as to shade stream from eastern sun exposure.

4C. Create fishing access path and possible parking area at North Street, Eastern bank of Creek across from Bird sanctuary area.

4C. Improve **fishing access and parking on Mill Street** above dance studio on East bank of stream.

- Sources of funding:
 - Sustain Great Lakes Grant
 - Embrace a Stream grant
 - TU Conservation Fund
 - NY City TU grant funds
 - Save the Rain

GRANT DEADLINES

- Sustain Great Lakes Grant - Mid February 2015
- Embrace a Stream grant - December 2014
- TU State Council Conservation Fund - October 2014
- NY City TU grant funds - TBD
- Save the Rain - April 2014 – April 2015?

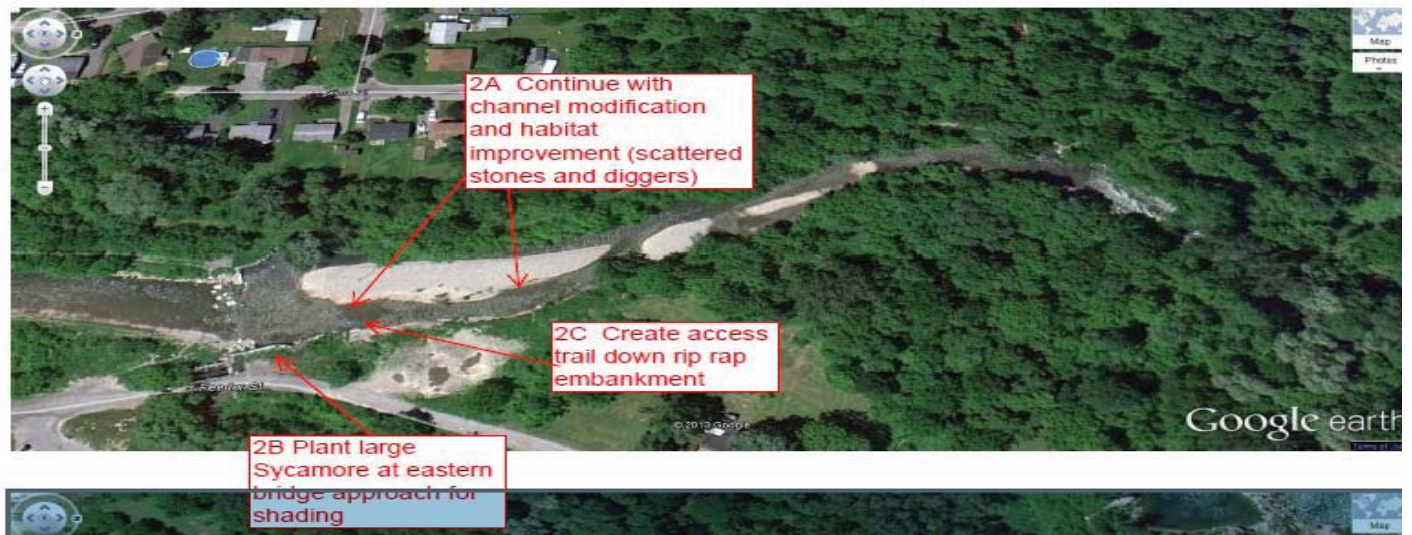
Sources of Support/labor/Supplies

- TU Iroquois shovel work
- JK Tobin
- Kinsella Quarry
- OB&G
- Village DPW
- LL Bean
- Eastern Mountain Sports
- BSA Troops 51 and 152
- Tracey's Lumber (or other local store, i.e., 84 Lumber, or Lowe's)
- Local nursery - Aspinall's/Michael Grimm/Bartlett's

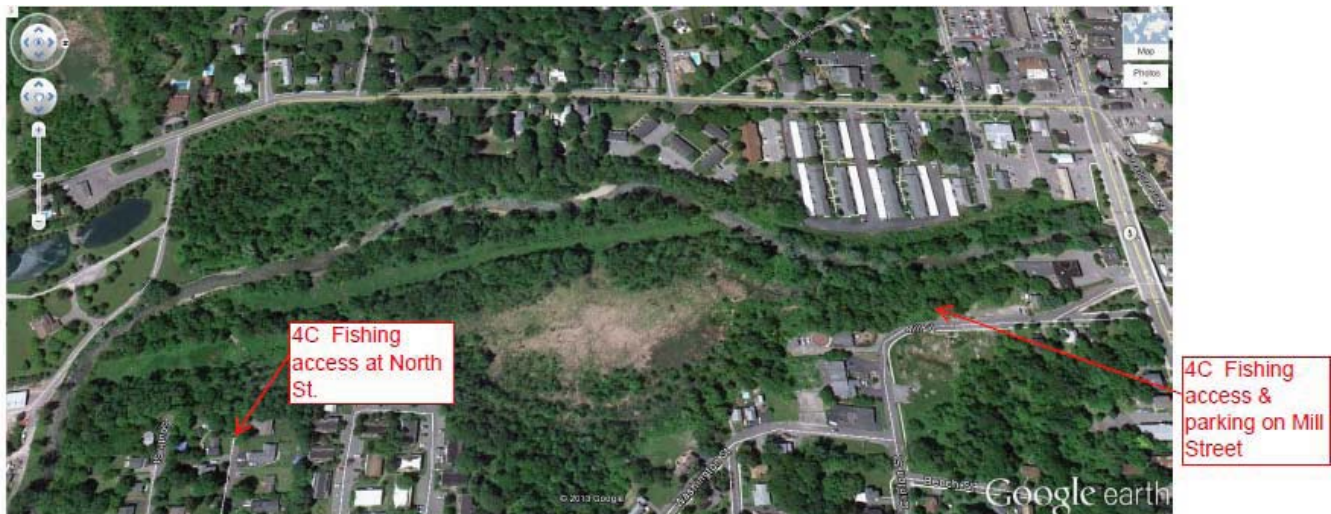
Necessary partners to contact and get on board

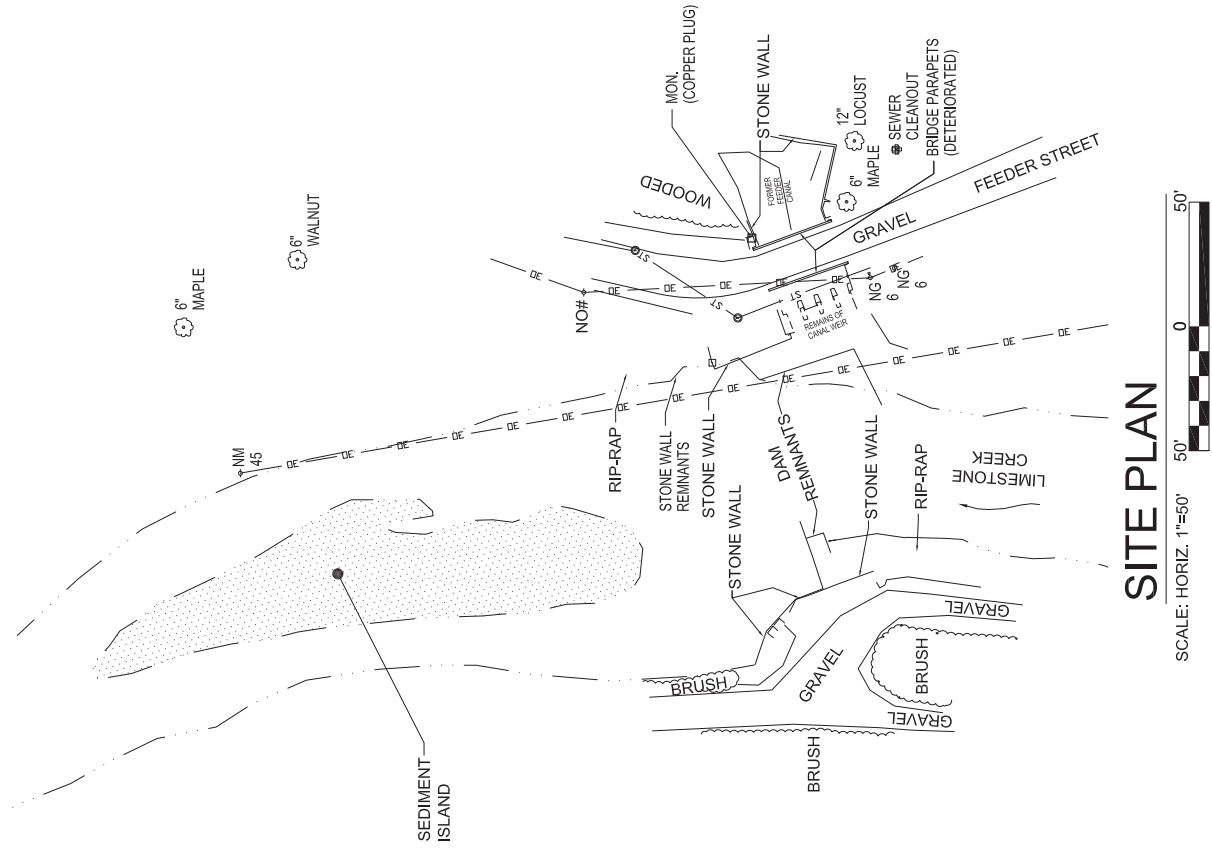
- DEC USF&WS
- Onondaga County Soil & Water Conservation District
- Town of Manlius
- Towne Center Owners
- Fietta Corp
- Village of Fayetteville
- Land owners/Business Owners along creek


We need appropriate signage for access sites and interpretive signage at key points. These could be donated or sponsored.




K,












OBG PRESENTS:


Canal Landing Park Limestone Creek Improvements

Kyle Buelow and Andrew Brainard, OBG



Primary Issue






STREAM WIDENING

Loss of energy that naturally transports sediment load

Sediment deposition


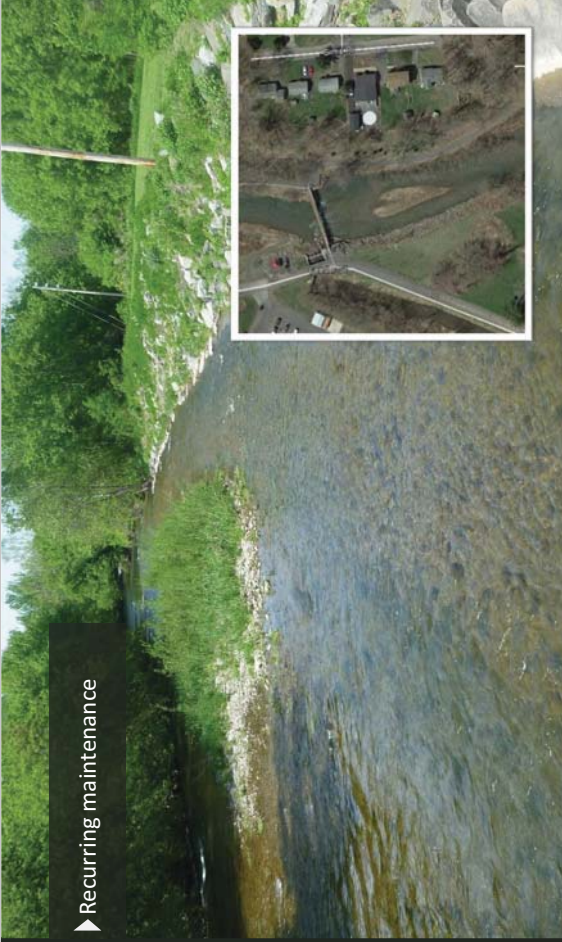
Poor fish habitat


ALTERNATIVES?

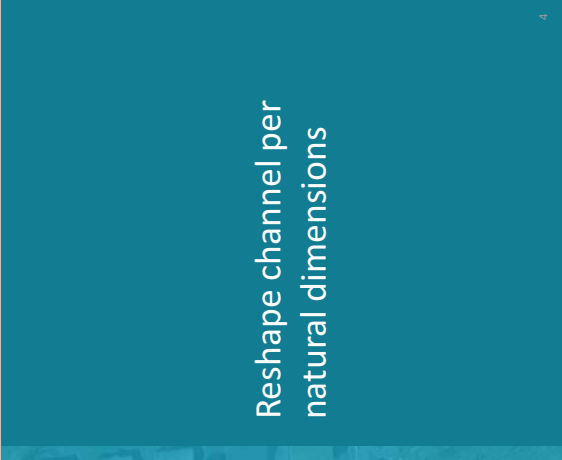



2


► Recurring maintenance







Reshape channel per natural dimensions



4

Install 2 rock cross vanes
to center energy through
the stream section

5

Village review
USFWS, USACE, and
NYSDEC review

- No flooding impact
- Reduced maintenance
- Improved aesthetics
- Improved fish habitat

6

FUNDING


Grant funding
application

Village and Trout Unlimited
as sponsors


7

NFWF SUSTAIN OUR GREAT LAKES
“...program is soliciting proposals to improve
habitat and water quality in the Great Lakes basin.
Program will award grants for stream habitat
improvements, including ***naturalizing stream
channel configurations.***”


8



NYS CONSOLIDATED FUNDING APPLICATION
 “Program aimed at reducing polluted runoff, improving water quality, and restoring habitat in NY’s waterways. *Eligible projects include aquatic habitat restoration.*”

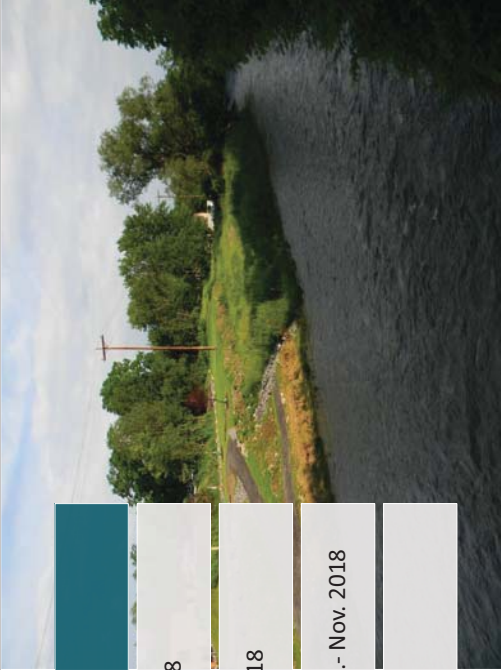


Kyle as rod-man in 2012



FUNDS TO COVER

- Survey
- Design
- Permitting
- Materials
- Construction



TIMEFRAME


- Grant application ~ Feb. 2018
- Grant award ~ July - Aug. 2018
- Design and permitting ~ Aug.- Nov. 2018
- Construction ~ Dec. 2018



11



OBG | THERE'S A WAY



Thank you!




Kyle.Buelow@obg.com | Andrew.Brainard@obg.com

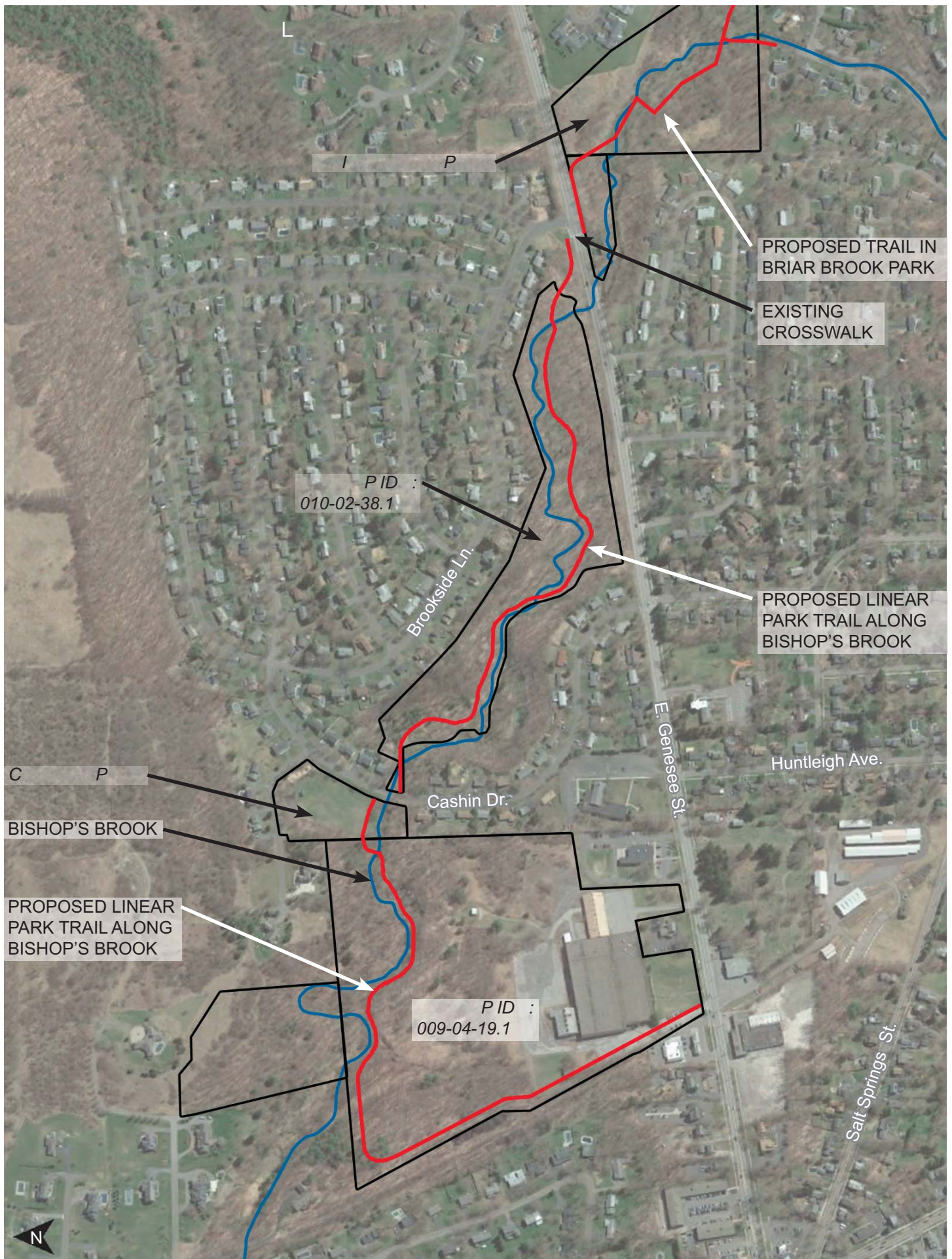
APPENDIX II: Maps

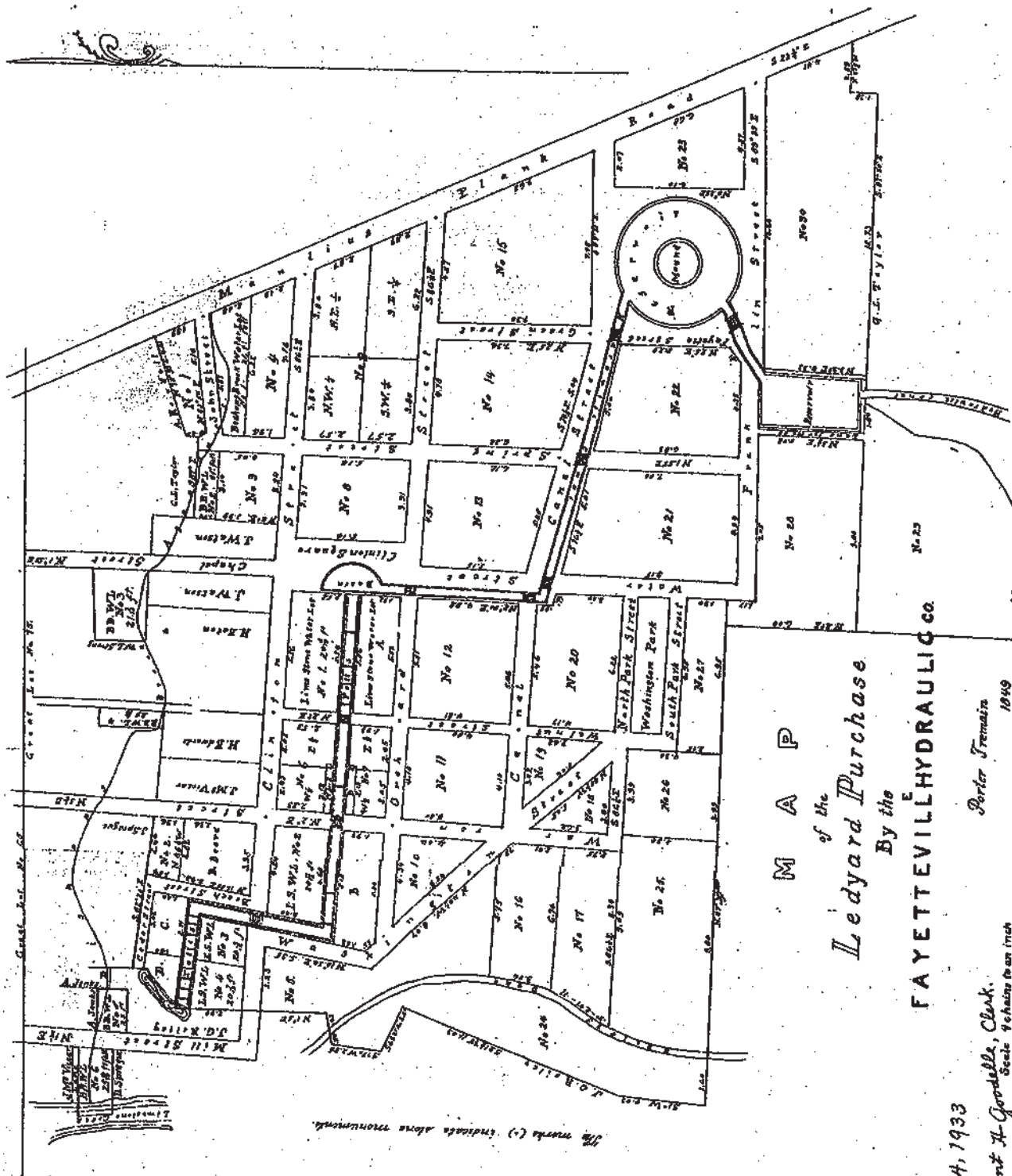




LEGEND

-  Proposed Trails
-  Property Line
-  Bishop's Brook





M A P
of the
Ledyard Purchase
By the
FAYETTEVILLE HYDRAULIC CO.

44, 1933

and H. Goodelle, Clerk.
Scale 4 chains to an inch

Porter Tremaine
1849

THE COLLECTION OF THE ONONDAGA HISTORICAL ASSOCIATION

2385

APPENDIX III: Consolidated Park Recommendations



Park Recommendations

Individual Parks

L

Canal Landing Park

1. Add awnings and/or shade trees by benches at playground and pedestrian bridge
2. Add more seating opportunities, including benches and picnic tables
3. Add more pavilions and gathering spaces
4. Add dog fountain and more pet waste bag stations
5. Implement Trout Unlimited Iroquois Chapter Recommendations and work with them to improve Limestone Creek for flood control and fishing habitat *see Appendix I for Limestone Creek Master Plan suggestions*
6. Play areas: Expand diversity of play areas for larger span of age groups. Add additional play areas and types: consider a challenge course, gaga pit, small skate park plaza, and natural play areas.
7. Increase restroom hours of operation
8. Add Sign Kiosk with Maps
9. Add historical and educational interpretive signage
10. Relocate Small parking lot at pedestrian bridge further south along Feeder Street and convert existing parking area to a gathering space
11. Redesign and replace existing stream access with a handicap accessible access path and streamside sitting area
12. Complete remaining phases of development for Canal Landing Park
13. Add more trees

Feeder Canal Trail

1. Maintain Feeder Canal Trail
2. Add Pet waste bag stations
3. Add directional signage to Village
4. Add new pedestrian bridge over Feeder Canal, connecting to Fietta Park (Phase 4)
5. Add more seating opportunities along the Feeder Canal Trail
6. Add signage directing visitors to the Limestone Creek bridge and canoe launch, as well as, signs directing bicyclists and kayakers from the Erie Canal to Canal Landing and the Village
7. Seek Access-easement agreement adjacent to Feeder Street Parcel
8. Add Sheedy Lime Kiln Information Sign

9. Build a Car-top Kayak Launch
10. Keep the Feeder Canal clear of debris

Limestone Creek Greenway

1. Add and maintain trails for hiking/mountain biking
2. Add benches along path
3. Add stairs and/or maintain path at North Street connector. Connect to Trail through Limestone Creek Greenway.
4. Add Interpretive signage
5. Add parking area on North street and add access to proposed trails. Expansion of parking on Mill Street can be done to meet demand if needed.
6. Study the installation of a foot bridge across Limestone Creek to connect this property to Gramlich Bird Preserve, and to the proposed trail along the west side of Limestone Creek
7. Consider easement with private properties and/or NYS Canal Corporation

Gramlich Bird Preserve

1. Add a park sign at entrance (and secondary park signs if needed)
2. Interpretive educational signage on birds that park visitors may see and/or hear at this park. Interpretive signage should be built inside the boundaries of the property along the existing nature trails.
3. Add a small parking area along Highbridge Street and an improved stairway down the steep slope from Highbridge Street.
4. A trail along Limestone Creek that will continue to the north, across private property, to the New York State canal lands. A right of way should be obtained from the private property owners on the northside to continue this trail along the west side of Limestone Creek to the canal lands to the north and under the Genesee Street bridge to Limestone Plaza.
5. Evaluate potential for a foot bridge to be built across Limestone Creek to connect this property to the Limestone Creek Greenway property.
6. Improvements to the property should include selective planting of native trees and shrubs, nesting boxes, etc., to attract a variety of birds.
7. Improve entry stairs and bridge and continue to maintain

Fietta Park/Baseball field

1. Retain the existing Little League Fields
2. Retain ownership of the existing building, but continue to lease it to another agency to operate recreation related programs
3. Maintain walking trails
4. Delineate edge between park land and private property with signage

5. Fix or replace leaning scoreboard
6. Add multi-purpose athletic field(s) (ie: soccer field)
7. Add bike racks
8. Construct a foot bridge over the Feeder Canal at the northwest corner of the park to connect to Old Erie Canal State Park
9. Conduct a traffic study and add traffic control elements if warranted
10. Plant additional trees and landscaping to buffer the Brooklea Drive residences
11. Add signage directing visitors to the Limestone Creek bridge and canoe launch, as well as, signs directing bicyclists and kayaks from the Erie Canal to Canal Landing and the village, and signs for restrooms
12. Delineate between the paved parking area and the gravel area of the park (Pedestrian vs. vehicular areas)

Limestone Plaza

1. Add Historical Interpretive signage
2. Continue to maintain parks
3. Add Bike Rack(s) and Bike sharing program
4. Add fishing access along Limestone Creek

Ledyard Canal Greenway

Ledyard Canal Greenway

1. Clean out vegetation to allow views into canal
2. Provide walking trail alongside Ledyard canal
3. Add benches, trash cans, and pet waste bags along trail
4. Install interpretive signs at key areas (See Proposed Village Walking Tour and Interpretive Signage Plan in Chapter 5)
5. Leave section of Ledyard canal going through backyards undisturbed
6. Preserve canal for historical and educational purposes and add interpretive signage
7. Partner with the Fayetteville Free Library for interpretive signage improvements along that section of the canal
8. Acquire access to the Ledyard Canal section between Walnut and Chapel Streets

Beard Pond Memorial Park

1. Drain and clean pond bottom and develop a maintenance plan for Beard Pond. Increase maintenance of pond including dredging. Investigate methods to improve water circulation and prevent algae.
2. Remove dead vegetation from the center island in Beard Pond

3. Repair and continue to maintain pond inlet and outlet
4. Add more site amenities including seating, bike racks and restrooms
5. Add identification and interpretive signage
6. Add more trees
7. Add gathering spaces and possibly a gazebo or pavilion structure
8. Upgrade electrical capacity of the stage
9. Replace missing bricks and reset uplifted bricks at Beard Pond walkway. Continue to maintain a safe walkway.
10. Add Stone Monument sign in Park

Grover Cleveland Honors Park

1. Add flagpoles
2. Add Interpretive signage related to Grover Cleveland and Ledyard Canal
3. Add more amenities (ie: seating)
4. Install a monument to Grover Cleveland

Washington Park

1. Provide maintenance and/or update the existing playground equipment
2. Consider replacing the existing Basketball court with a Combined Tennis-Basketball Court
3. Add more site amenities including seating opportunities and drinking fountains
4. Add recreational opportunities (ie: fitness equipment, gaga court, and/or soccer goals)
5. Add more trees
6. Continue to maintain existing sandbox. Consider adding sand diggers at sandbox
7. Keep and maintain open lawn area
8. Add second park sign at opposite end of park

Millage Hall and Cleveland Park

1. Add a Park Sign
2. Add Historical Interpretive signage (Coordinate signage with proposed walking tour)
3. Add memorial to recognize Grover Cleveland
4. Add memorial to recognize the Marquis de LaFayette, who Fayetteville is named for

Veterans Park

1. Add Historical Interpretive signage
2. Continue to maintain park as is

Cooper Park

1. Replace existing basketball court with a combine Tennis-Basketball Court
2. Replace Park sign with new and possibly relocate to park access point
3. Maintain or replace existing backstop and kickboard
4. Add traffic signage and pedestrian crossing areas
5. Replace park benches with new
6. Improve Handicap Accessibility to Park
7. Add seating and or gathering space(s)
8. Investigate possibility of acquiring easements to complete Linear Park trails along Bishop's Brook (TAX ID # 009-04-19.1 and 010-02-38.1) which can further provide park connectivity opportunities. See Appendix II for Proposed Bishop's Brook Linear Park Trail Map.
9. Consider adding playground equipment for older kids

Daytonville Senior Center

1. Add more site amenities, such as benches and trash cans
2. Develop a maintenance plan for the upkeep of the Memorial Garden
3. Consider the installation of a childrens' play area for use by the Redfield neighborhood

Daytonville Park

1. Continue to maintain park

Redfield Avenue Triangle

1. Continue to maintain park
2. Consider landscape improvements and seating area

E

Briar Brook Park

1. Install a pedestrian crossing and traffic safety measures where path crosses Briar Brook Run and also where trail intersects Duguid Road (Between Briar Brook Run and Duguid Parks). See Appendix II for Proposed Bishop's Brook Linear Park Trail Map.
2. Clear out some vegetation where trails meet roads for visibility between vehicles and trail users
3. Add a Park Sign at entrance(s) to the park
4. Connect proposed trail to the dead end on Old Powder Mill Road
5. Investigate potential area for parking off Genesee St.
6. Complete planned/proposed recreational trail
7. Create a Linear park trail along Bishop's Brook which can further provide connectivity between parks and neighborhoods within the Village. See Village-Wide Recommendation #5 on page 65 and Proposed Bishop's Brook Linear Park Trail Map in Appendix II.

Duguid Park

1. Install a pedestrian crossing and traffic safety measures between Briar Brook Run and Duguid Park
2. Add Trails for Hiking/Mountain Biking
3. Obtain easement connection to Golden Park
4. Dog Park and facilities/amenities. Provide vegetative buffer between dog park and Duguid Road.
5. Provide Picnic area and/or gathering space
6. Provide area for future Parking lot expansion if needed in future
7. Add Interpretive signage at Points of interest
8. Consider adding a Skate Park-Plaza area
9. Stabilize and maintain existing springhouses
10. Remove fence and clear out vegetation around reservoir for views into the reservoir. Install pond side deck/platform
11. Update Map on Park sign to reflect existing and/or new proposed Duguid Park Plan
12. Delineate edge between park land and private property with signage and/or vegetative buffer

Golden Park

1. Add site amenities including: seating, bike rack, pavilion and restrooms
2. Add and Maintain Trails for multi-purpose use; ie: hiking, mountain biking, Cross country skiing, snowshoeing, etc.
3. Add Picnic Area with Grills and Picnic Tables

4. Add access road and parking lot off of Duguid Road and adjacent property, currently owned by Four Seasons, via proposed access easement to be obtained
5. Add a Nature Play Area
6. Add open lawn area
9. Add Disc Golf/open lawn area
10. Obtain easement connection to Duguid Park and to adjacent property, currently owned by Four Seasons
11. Delineate edge between park land and private property with signage and/or vegetative buffer
12. Add interpretive signage at historic mill remains

ol en Park

1. Continue to maintain Manlius Springs

Village-Wide Recommendations

1. Limestone Creek is a valuable recreation resource for the Village to provides activities such as fishing, canoeing, kayaking and hiking along the creek edge. Its health is important in supporting these activities. The following recommendations are made by Trout Unlimited for Creek improvements to support fish and access for fishing, as well as providing trails along/by water.
 - A. Near Canal Landing park, add Risely Memorial Bench and improve fishing access to creek.
 - B. Continue Work on Channel Downstream of Bridge- Remove gravel island. Assess condition of channel annually after spring flows recede and revise needs.
 - C. Improve habitat below Pratt Lane with Scattered Rocks for shelter and flow. Diggers to deepen pool.
 - D. Build cantilevered fishing deck behind new Mill St Parking lot.
 - E. Add Shade Trees and fishing platform: Add one or more Sycamore trees to east bank, possibly willows low on the bank from bridge to behind Pratts Lane.
 - F. Restore area downstream near flume/spillway from Towne Center.
 - G. Improve parking area at end of Feeder Street.
 - H. Improve and add fishing access points, such as Mill Street and North Street.

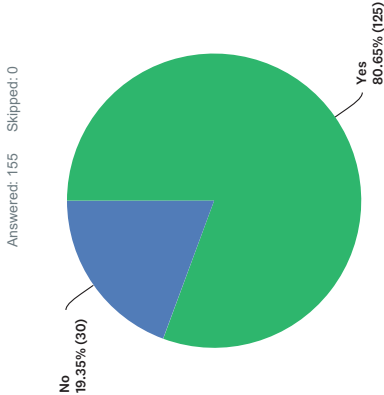
See Park Master Plans in Chapter 4 for specific location of the above items, and Appendix I for detailed *Limestone Creek Master Plan Recommendations*

2. Park Signage- Develop a park signage plan to create an identity for Village of Fayetteville Parks. Signs categories include Park identification, wayfinding, historic interpretation, environmental interpretation and Park rules and guidelines. These signs can be used as a part of a walking tour through the village. (See following page for signage and map)
3. Programming – The Village should continue to expand and explore a variety of recreation events and programs to offer residents. Collaborations can be made with local fitness groups such as Mountain Biking and businesses such as yoga instructors, LL Bean of Town Center and YMCA. Events and programs should be advertised in a variety of formats including the newsletter, email list services such as the Peach Jar through the Fayetteville Manlius CSD and flyers at Parks.
4. Trees – Trees are a valuable resource in parks by providing shade, aesthetics as well as environmental benefits. Trees on Village property should be continued to be maintained and protected. Trees that need to be removed should be replaced with a new tree in its place. More shade trees should be added to parks where there are playgrounds large open spaces. When building trails through wooded areas design trails through areas of least impact to trees to minimize removal of mature trees and root damage.
5. Connectivity – Provide connection between Parks via trails and/or sidewalks. Use of identical park amenities, such as light poles, benches, and signs, could help connect and create an identity for Village of Fayetteville parks. Additionally, connections could be provided to other elements, including the YMCA and the Empire State Trail. Connectivity can also be provided through Linear Parks, such as along Limestone Creek, Ledyard Canal, and Bishop's Brook. It is recommended to continue making trails and obtaining easements as needed to create and expand these Linear Parks.
6. Concession – Consider a private concession or municipal partnership for the rental of kayaks, bicycles and fishing poles, as well as, selling supplies associated with those activities.
7. Maintenance – Continue to maintain all existing parks for the safety and enjoyment of park visitors. Consider adding Pet Waste bag stations at various parks around the Village.
8. Website and Social Media – The internet is a valuable source used for information. Having access to information on the parks and its facilities available within the Village parks would be an educational and informational resource for residents within and near-by the Village of Fayetteville. It is recommended to update the Village of Fayetteville website with information of the Village owned parks, its facilities, and programming at the parks. Social media accounts should be considered for Village of Fayetteville parks which can contain the same information and advertise events at the parks.

APPENDIX IV: Survey Results



Q1 Are you a Village of Fayetteville Resident?



Q2 What is your name? (Optional- This is requested solely for the purpose of checking for duplicity of survey submissions)

Answered: 101 Skipped: 54

Q3 What is your address? (This is requested solely for the purpose of checking for duplicity of survey submissions and will not be shared with anyone else)

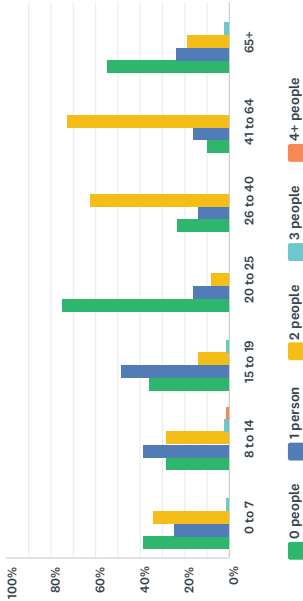
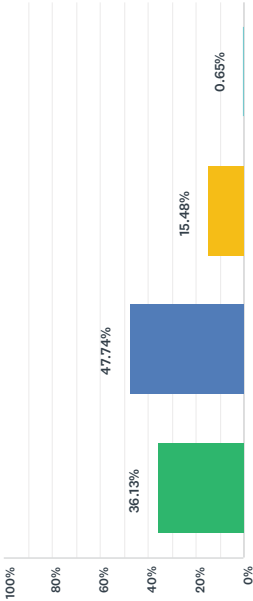
Answered: 155 Skipped: 0

Q4 Including yourself, how many people live in your household?

Answered: 155 Skipped: 0

Q5 Please identify the number of people within your house in each age group?

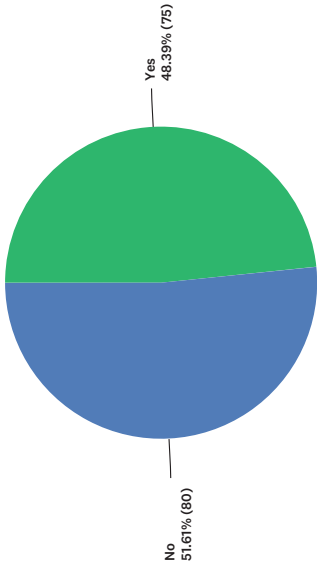
Answered: 155 Skipped: 0



| | 0 PEOPLE | 1 PERSON | 2 PEOPLE | 3 PEOPLE | 4+ PEOPLE | TOTAL | WEIGHTED AVERAGE |
|----------|----------|----------|----------|----------|-----------|-------|------------------|
| 0 to 7 | 28 | 38.89% | 25 | 34.72% | 1 | 72 | 1.99 |
| 8 to 14 | 21 | 28.38% | 29 | 28.38% | 2 | 74 | 2.09 |
| 15 to 19 | 21 | 36.21% | 48 | 13.79% | 1 | 58 | 1.81 |
| 20 to 25 | 27 | 75.00% | 6 | 8.33% | 0 | 36 | 1.33 |
| 26 to 40 | 15 | 23.44% | 9 | 62.50% | 0 | 64 | 2.39 |
| 41 to 64 | 11 | 10.19% | 18 | 73.15% | 0 | 108 | 2.63 |
| 65+ | 23 | 54.76% | 10 | 19.05% | 1 | 42 | 1.69 |

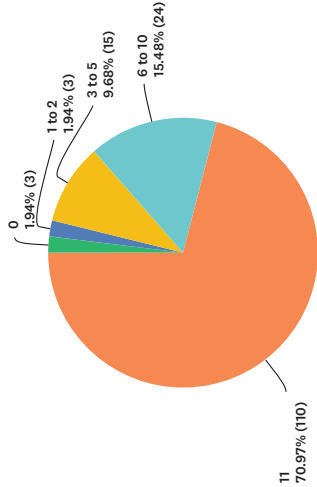
Q6 Does your household own dog(s)?

Answered: 155 Skipped: 0



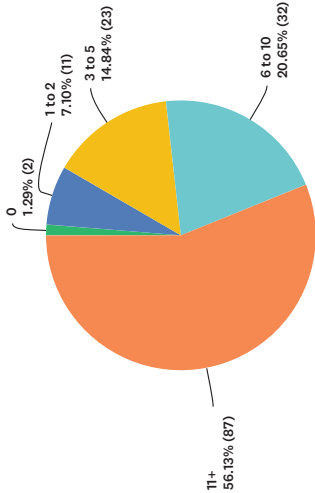
Q7 How many times a year do you visit the Village of Fayetteville Parks?
(Note: The Village of Fayetteville Parks are marked on the map above.
Please note that Green Lakes and Erie Canal State Parks are not Village owned parks)

Answered: 155 Skipped: 0



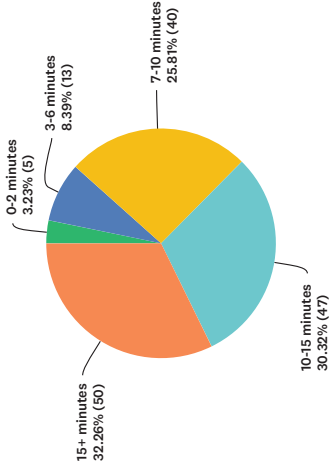
Q8 How many times a year do you visit parks outside the Village of Fayetteville?

Answered: 155 Skipped: 0



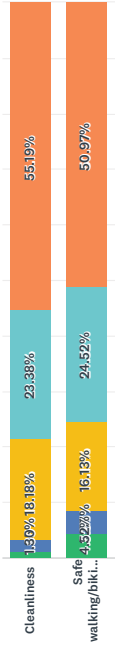
Q9 How far are you willing to walk to a park?

Answered: 155 Skipped: 0

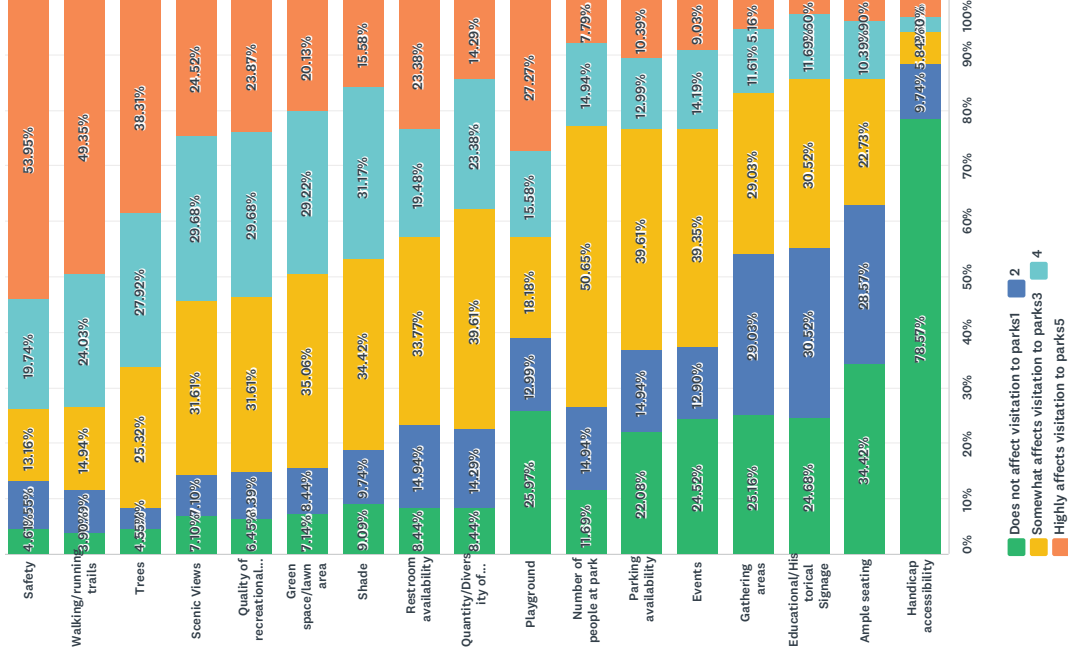


Q10 On a scale of 1 to 5, how do the following affect your visitation to parks?

Answered: 155 Skipped: 0



Village of Fayetteville Parks Master Plan Update Survey 2017



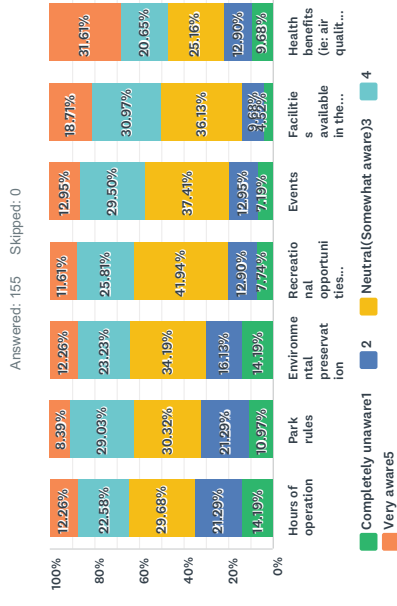
Q11 What features/elements attract you to a park? (ie: trees, benches,

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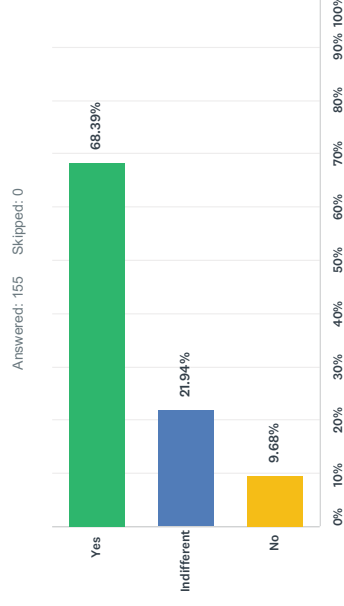
walking trails, etc)

Answered: 155 Skipped: 0

Q12 On a scale of 1 to 5, how aware are you of the following provided by parks?



Q13 If a safer walking and/or biking route was provided, would you be more likely to visit Village of Fayetteville parks?



Q14 What amenities do you believe parks provide which provides the

greatest benefit to the community and its inhabitants? (ie: recreation opportunities, environmental protection, trees, green space, etc)

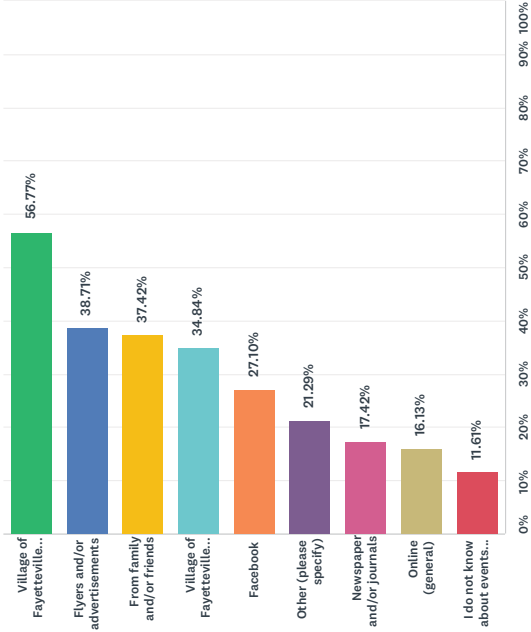
Answered: 155 Skipped: 0

Q15 What would make you more likely to visit a park if added in one of your Village of Fayetteville Parks? (ie: fitness equipment, lighting, grills, benches, wifi, etc)

Answered: 155 Skipped: 0

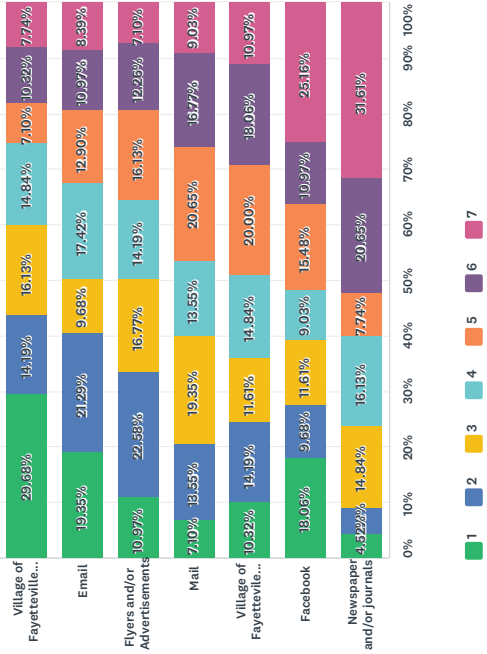
Q16 Where do you find out about events held at Village of Fayetteville parks? Select all that apply.

Answered: 155 Skipped: 0



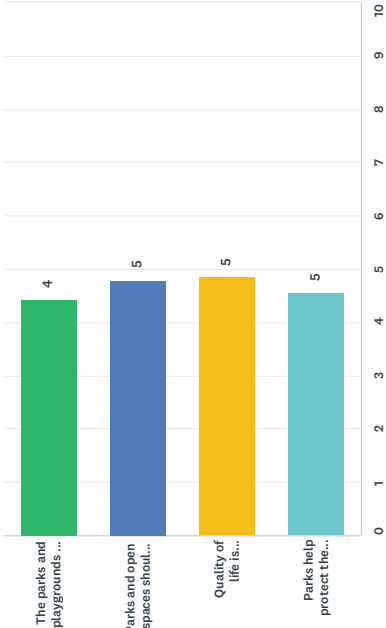
Q17 Rank the following in order of preference for learning about events offered at Village of Fayetteville Parks, with 1 as your most preferred method and 7 as your least preferred method.

Answered: 155 Skipped: 0

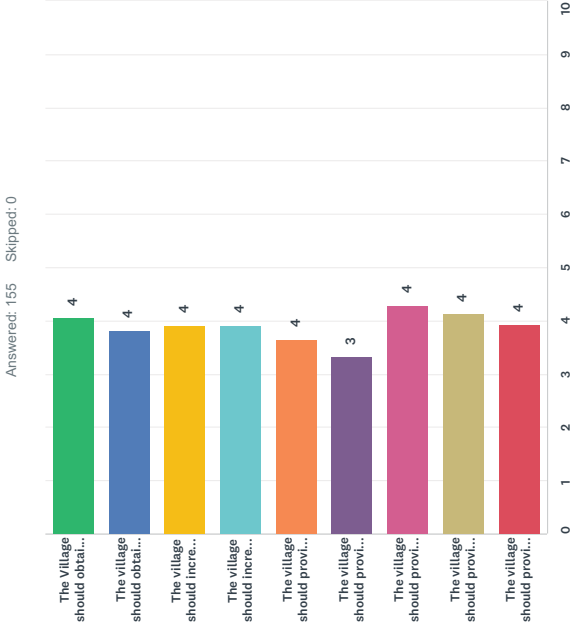


Q18 On a scale of 1-5, how true do you believe the following statements are?

Answered: 155 Skipped: 0

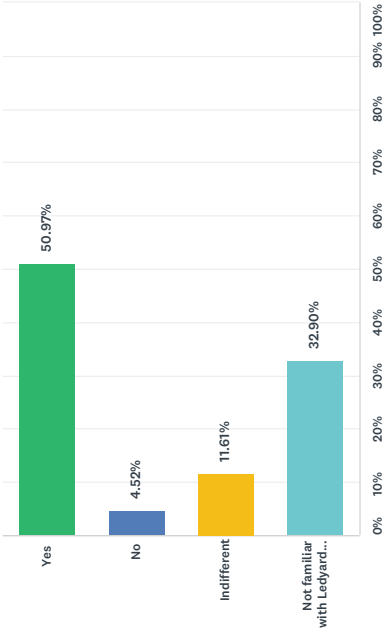


Q19 On a scale of 1-5, how strongly do you feel about the following statements?



Q20 The Ledyard canal is mostly village owned property. Would you like to see it utilized as a recreational opportunity?

Answered: 155 Skipped: 0

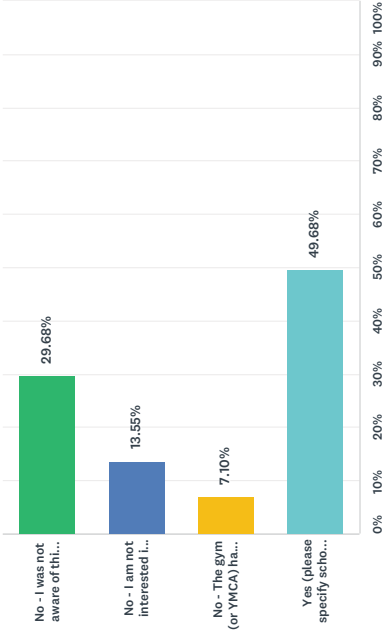


Q21 The previous question asked about utilizing the Ledyard Canal as a recreational opportunity. If you selected yes, that you would like to see it used for recreation, how would you like to see it utilized? If you selected no, why would you not like to see the Ledyard Canal utilized?

Answered: 155 Skipped: 0

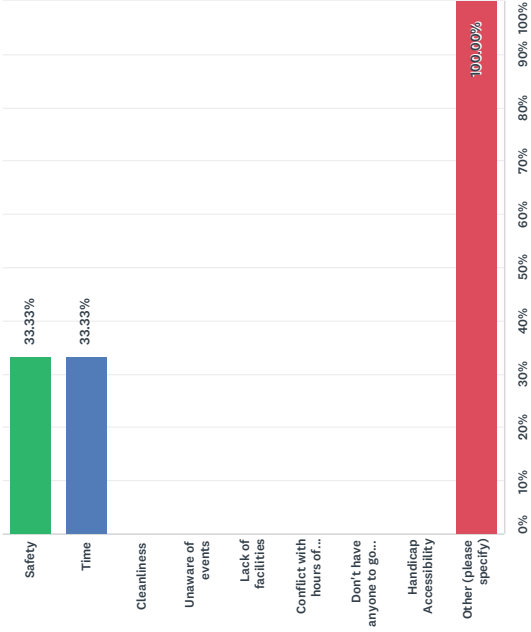
Q22 Do you or members of your household use the Fayetteville-Manlius CSD school athletic facilities? If so, which athletic facilities at which school? (ie: track, gym, soccer/football field, baseball/softball field, basketball courts, tennis courts, playgrounds, etc)

Answered: 155 Skipped: 0



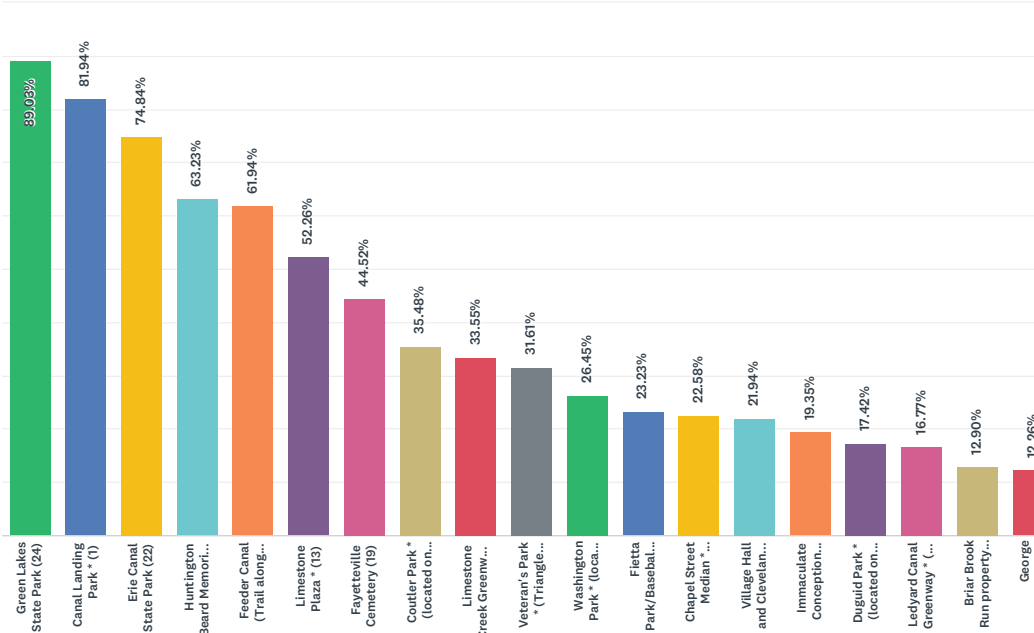
Q23 If you haven't been to a park in past 12 months, what is main reason for not visiting parks?

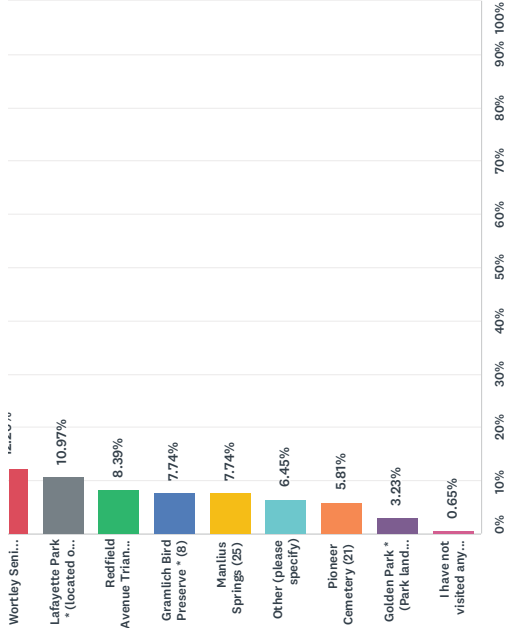
Answered: 3 Skipped: 152



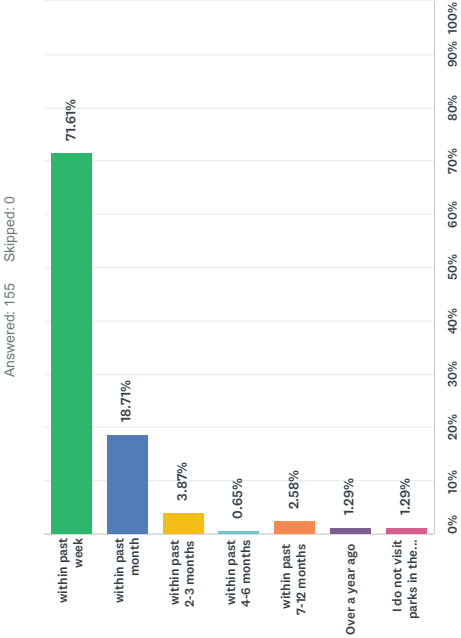
Q24 Select all the parks you have visited within the past year(Parks with a * are parks owned by the Village of Fayetteville)

Answered: 155 Skipped: 0

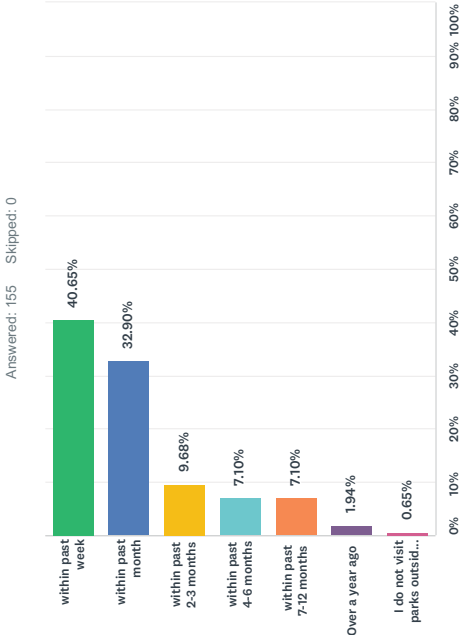




Q25 When was your most recent visit to a park in the Village of Fayetteville?



Q26 When was your most recent visit to a non-village park?



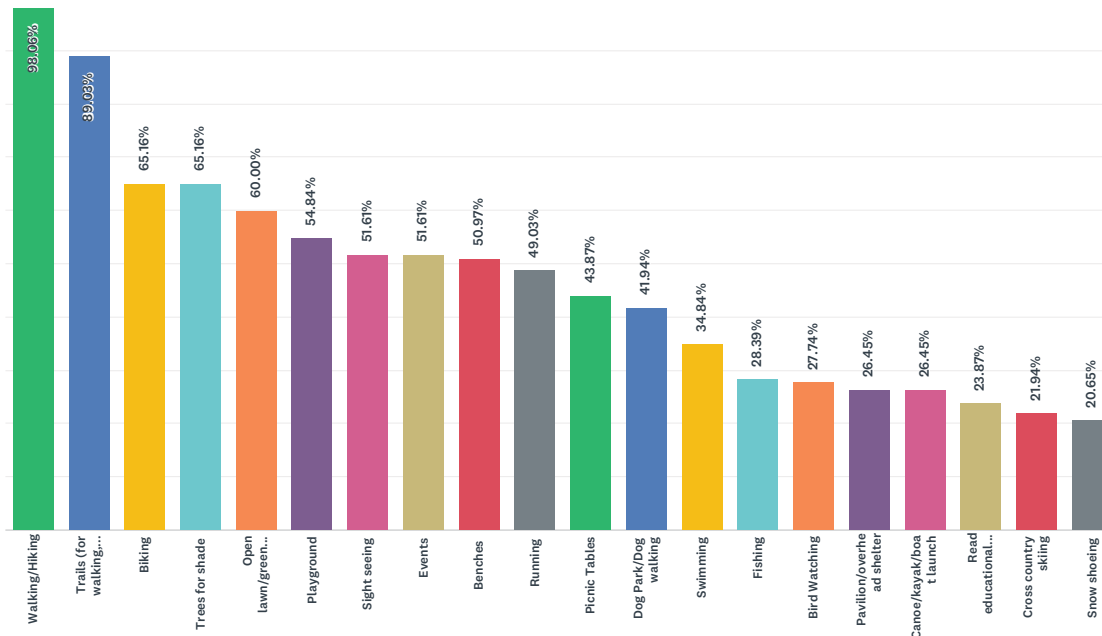
Q27 What seasons do you visit parks? Select all that apply.



Q28 Select all activities/features in parks you and members of your household enjoy. Select all that apply.

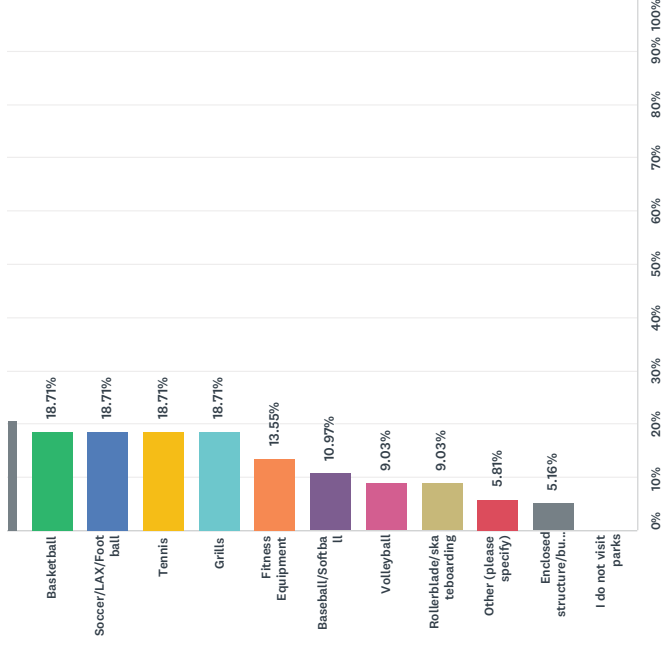
Village of Fayetteville Parks Master Plan Update Survey 2017

Answered: 155 Skipped: 0



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Village of Fayetteville Parks Master Plan Update Survey 2017



ANSWER CHOICES

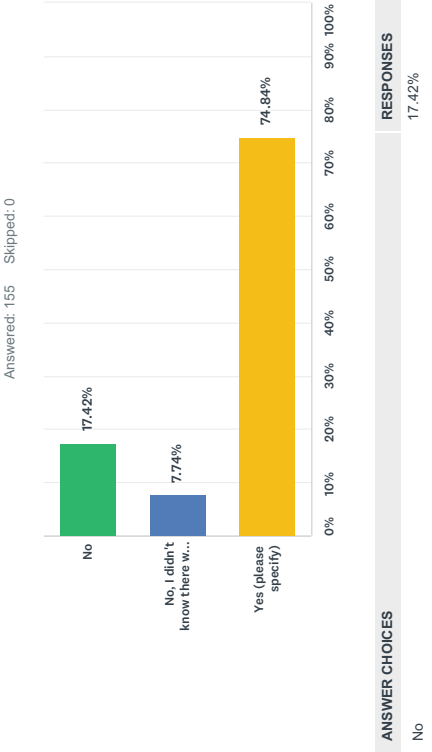
| ANSWER CHOICES | RESPONSES |
|--|-----------|
| Walking/Hiking | 152 |
| Trails (for walking, running, biking, etc) | 138 |
| Biking | 101 |
| Trees for shade | 101 |
| Open lawn/green space | 93 |
| Playground | 85 |
| Sight seeing | 80 |
| Events | 80 |
| Benches | 79 |
| Running | 76 |
| Picnic Tables | 68 |
| Dog Park/Dog walking | 65 |
| Swimming | 54 |

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Village of Fayetteville Parks Master Plan Update Survey 2017

| | | |
|-----------------------------|--------|----|
| Fishing | 28.39% | 44 |
| Bird Watching | 27.74% | 43 |
| Pavilion/overhead shelter | 26.45% | 41 |
| Canoe/kayak/boat launch | 26.45% | 41 |
| Read educational signage | 23.87% | 37 |
| Cross country skiing | 21.94% | 34 |
| Snow shoeing | 20.65% | 32 |
| Basketball | 18.71% | 29 |
| Soccer/LAX/Football | 18.71% | 29 |
| Tennis | 18.71% | 29 |
| Grills | 18.71% | 29 |
| Fitness Equipment | 13.55% | 21 |
| Baseball/Softball | 10.97% | 17 |
| Volleyball | 9.03% | 14 |
| Rollerblade/skateboarding | 9.03% | 14 |
| Other (please specify) | 5.81% | 9 |
| Enclosed structure/building | 5.16% | 8 |
| I do not visit parks | 0.00% | 0 |
| Total Respondents: 155 | | |

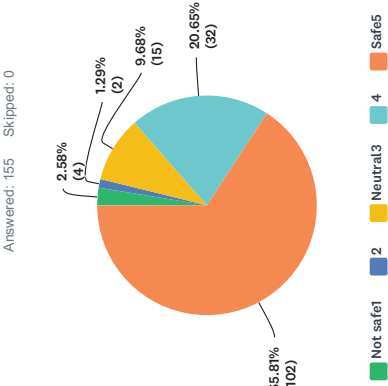
Q29 Have you attended events at Village of Fayetteville parks? If yes, which ones?



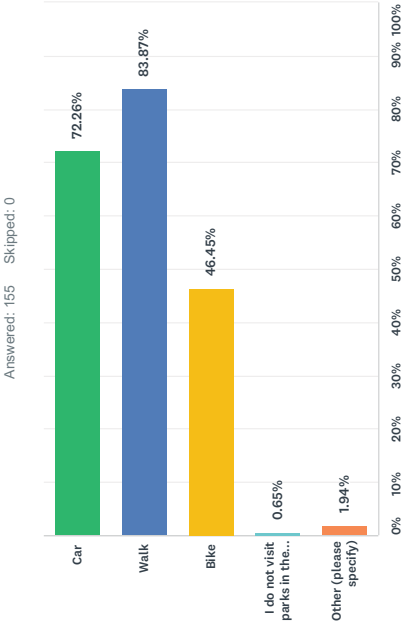
Village of Fayetteville Parks Master Plan Update Survey 2017

| | | |
|-------------------------------------|--------|-----|
| No, I didn't know there were events | 7.74% | 12 |
| Yes (please specify) | 74.84% | 116 |
| TOTAL | | 155 |

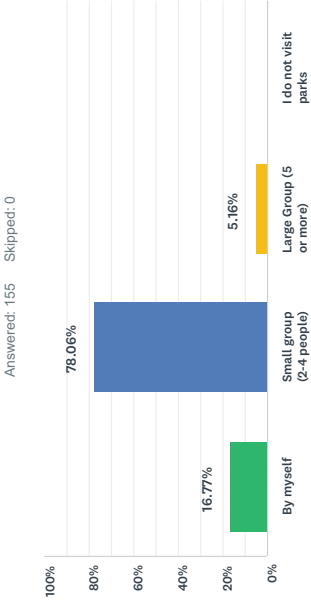
Q30 On a scale of 1-5, how safe do you feel walking to the Fayetteville village park closest to your home/residence?



Q31 How do you travel to Village of Fayetteville parks? Select all that apply.

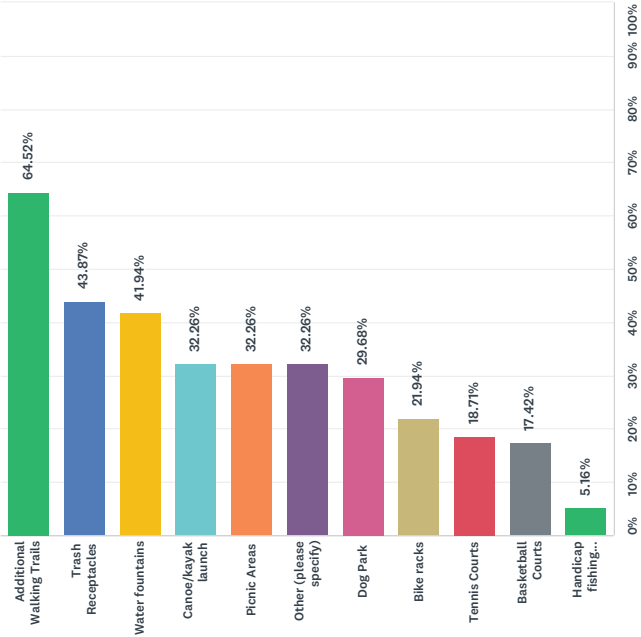


Q32 When you visit parks, what is your typical group size?



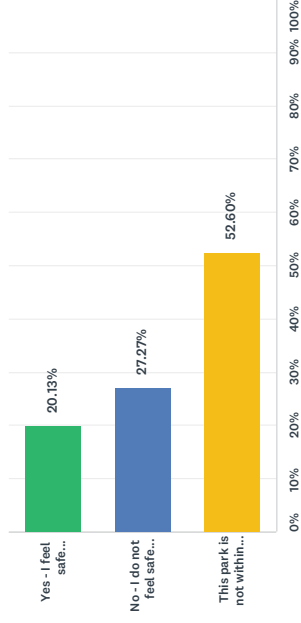
Q33 What features would you like to see added in Village of Fayetteville Parks? Select all that apply.

Answered: 155 Skipped: 0



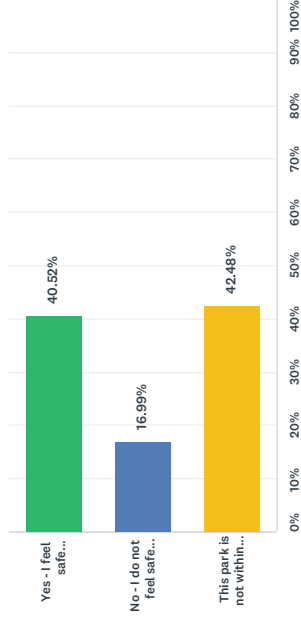
Q34 Is Duguid & Golden park within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 154 Skipped: 1



Q35 Is the Briar Brook Run property along Bishops Brook within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 153 Skipped: 2



Q36 What recreational opportunities would you like to see added at Duguid and Golden Park? (ie: walking/running trails, picnic area, open lawn area, playground, soccer field, tennis courts, dog park, educational signage, historical/educational signage, etc)

Answered: 115 Skipped: 40

Q37 What recreational opportunities would you like to see added at the Briar Brook Run property along Bishops Brook? (ie: walking/running

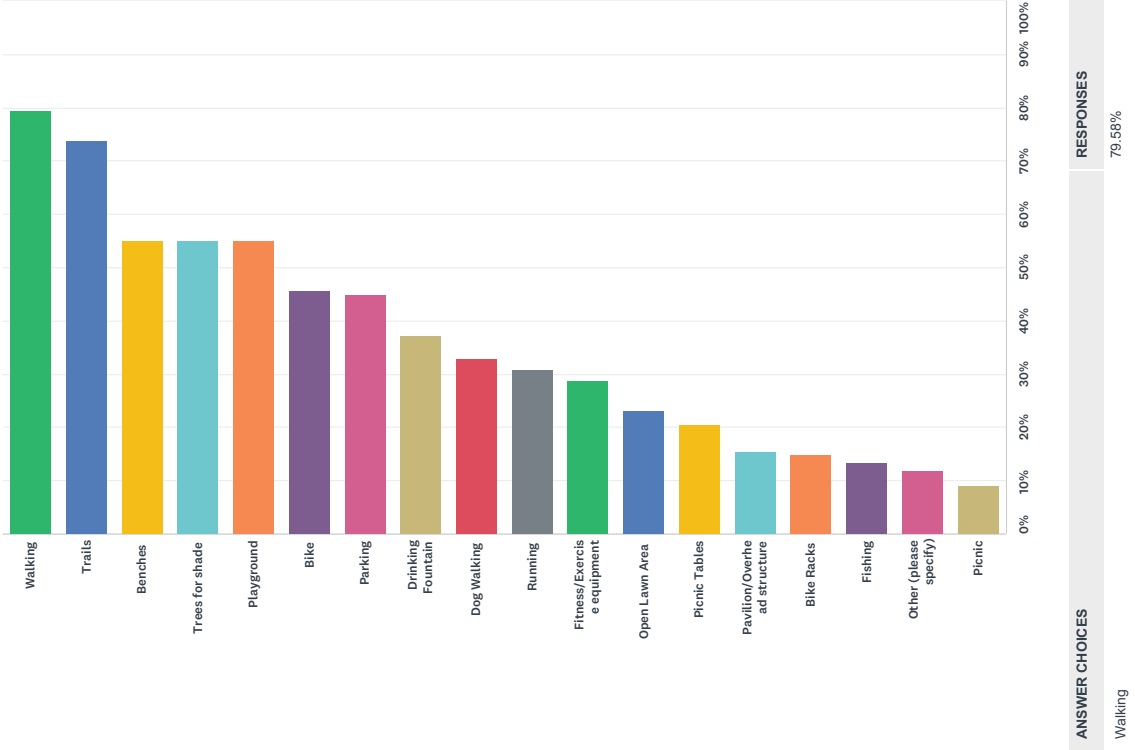
trails, picnic area, open lawn area, playground, dog park, educational signage, historical/educational signage, etc)

Answered: 110 Skipped: 45

Q38 What amenities and/or activities did you and other members in your household use and/or participate in at Canal Landing Park in the past 12 months? Select all that apply.

Answered: 142 Skipped: 13

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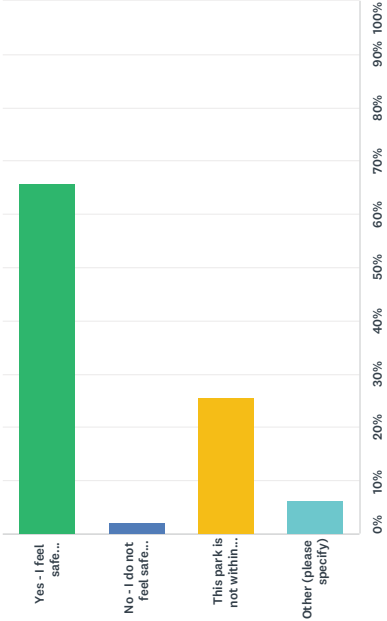
| | | |
|-----------------------------|--------|-----|
| Trails | 73.94% | 105 |
| Benches | 54.93% | 78 |
| Trees for shade | 54.93% | 78 |
| Playground | 54.93% | 78 |
| Bike | 45.77% | 65 |
| Parking | 45.07% | 64 |
| Drinking Fountain | 37.32% | 53 |
| Dog Walking | 33.10% | 47 |
| Running | 30.99% | 44 |
| Fitness/Exercise equipment | 28.87% | 41 |
| Open Lawn Area | 23.24% | 33 |
| Picnic Tables | 20.42% | 29 |
| Pavilion/Overhead structure | 15.49% | 22 |
| Bike Racks | 14.79% | 21 |
| Fishing | 13.38% | 19 |
| Other (please specify) | 11.97% | 17 |
| Picnic | 9.15% | 13 |
| Total Respondents: 142 | | |

Q39 What is key reason you visited Canal Landing park?

Answered: 128 Skipped: 27

Q40 Is Canal Landing park within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 144 Skipped: 11



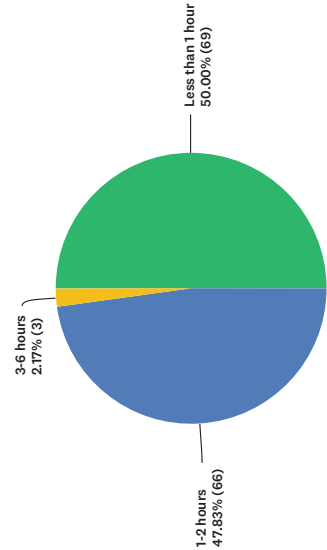
| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Yes - I feel safe walking/biking to park | 65.97% 95 |
| No - I do not feel safe walking/biking to park | 2.08% 3 |
| This park is not within walking distance from my home/residence | 25.69% 37 |
| Other (please specify) | 6.25% 9 |
| TOTAL | 144 |

Q41 What would you like to see more of added to Canal Landing park?

Answered: 94 Skipped: 61

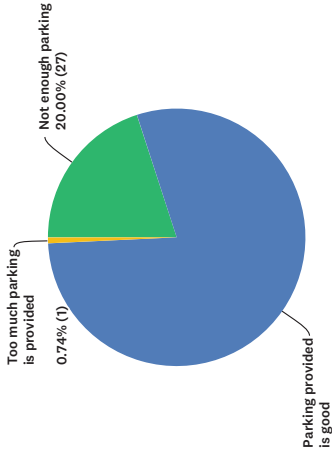
Q42 How long do you usually stay at Canal Landing park when visiting?

Answered: 138 Skipped: 17



Q43 How is the availability of parking at Canal Landing park?

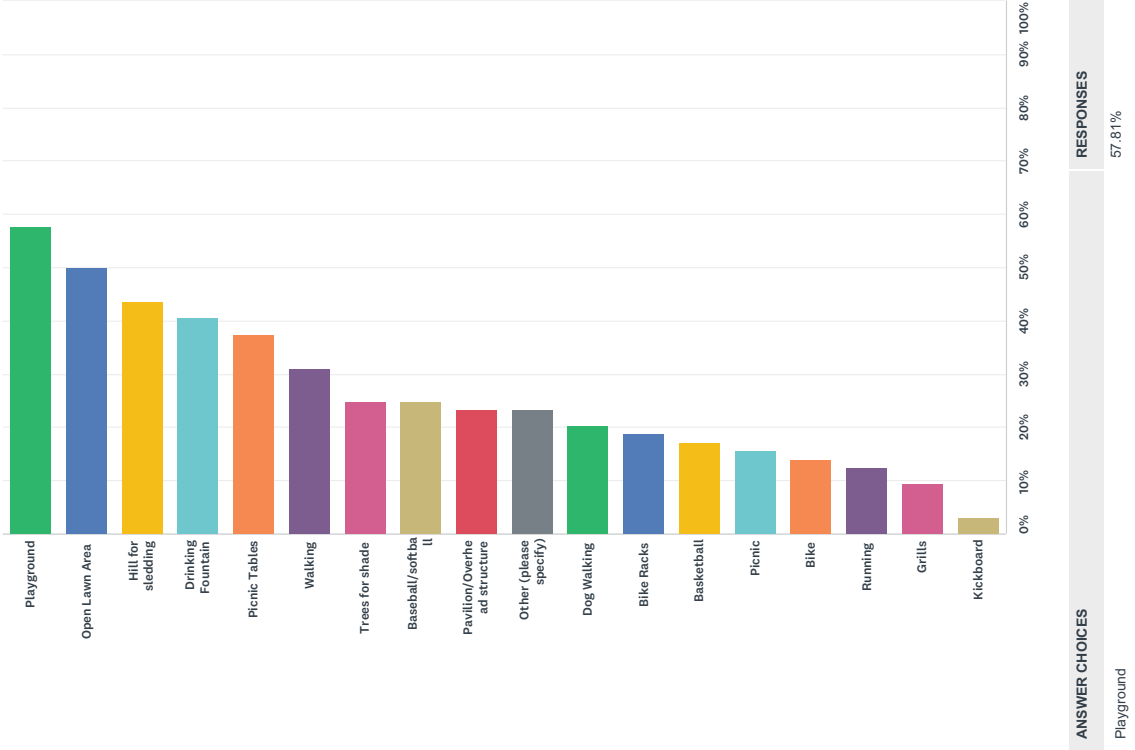
Answered: 135 Skipped: 20



Q44 What amenities and/or activities did you and other members in your household use and/or participate in at Coulter park in the past 12 months? Select all that apply.

Answered: 64 Skipped: 91

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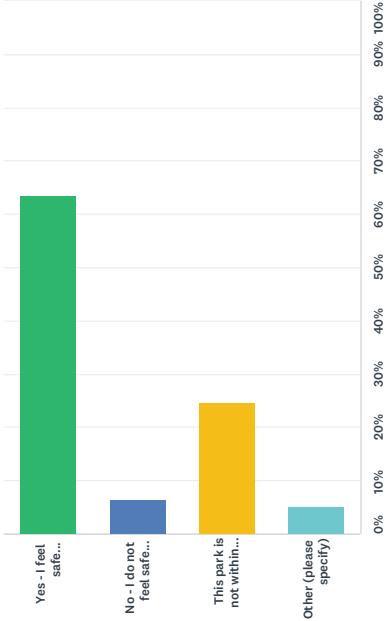
| | | |
|-----------------------------|--------|----|
| Open Lawn Area | 50.00% | 32 |
| Hill for sledding | 43.75% | 28 |
| Drinking Fountain | 40.63% | 26 |
| Picnic Tables | 37.50% | 24 |
| Walking | 31.25% | 20 |
| Trees for shade | 25.00% | 16 |
| Baseball/softball | 25.00% | 16 |
| Pavilion/Overhead structure | 23.44% | 15 |
| Other (please specify) | 23.44% | 15 |
| Dog Walking | 20.31% | 13 |
| Bike Racks | 18.75% | 12 |
| Basketball | 17.19% | 11 |
| Picnic | 15.63% | 10 |
| Bike | 14.06% | 9 |
| Running | 12.50% | 8 |
| Grills | 9.38% | 6 |
| Kickboard | 3.13% | 2 |
| Total Respondents: 64 | | |

Q45 What is key reason you visited Coulter park?

Answered: 58 Skipped: 97

Q46 Is Coulter park within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 77 Skipped: 78



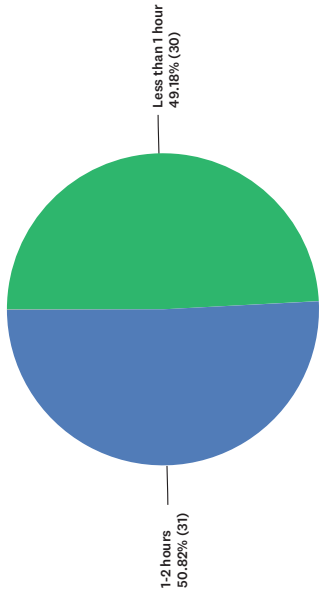
| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Yes - I feel safe walking/biking to park | 49 |
| No - I do not feel safe walking/biking to park | 5 |
| This park is not within walking distance from my home/residence | 19 |
| Other (please specify) | 4 |
| TOTAL | 77 |

Q47 What would you like to see more of added to Coulter park?

Answered: 51 Skipped: 104

Q48 How long do you usually stay at Coulter park when visiting?

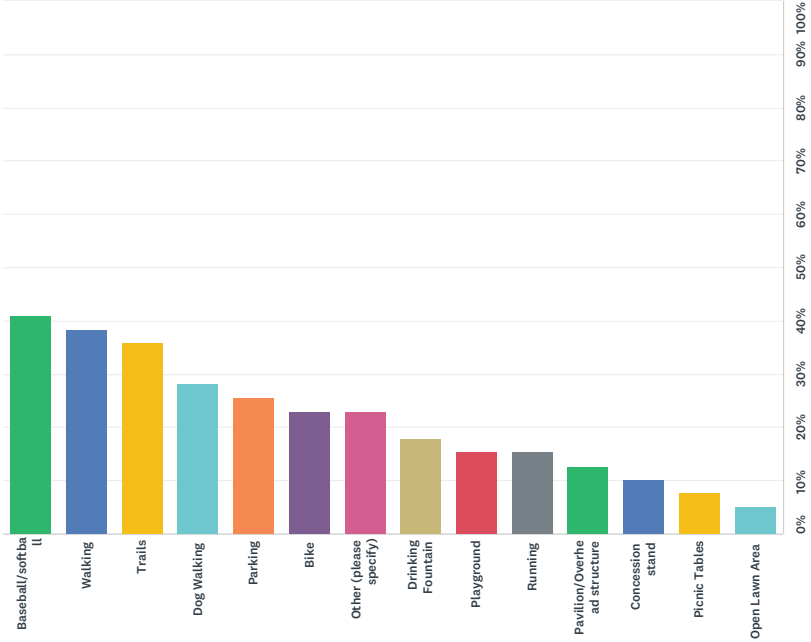
Answered: 61 Skipped: 94



Q49 What amenities and/or activities did you and other members in your household use and/or participate in at Fietta Park/Baseball fields in the past 12 months? Select all that apply.

Answered: 39 Skipped: 116

Village of Fayetteville Parks Master Plan Update Survey 2017



| ANSWER CHOICES | RESPONSES |
|------------------------|-----------|
| Baseball/softball | 16 |
| Walking | 15 |
| Trails | 14 |
| Dog Walking | 11 |
| Parking | 10 |
| Bike | 9 |
| Other (please specify) | 9 |
| Drinking Fountain | 7 |

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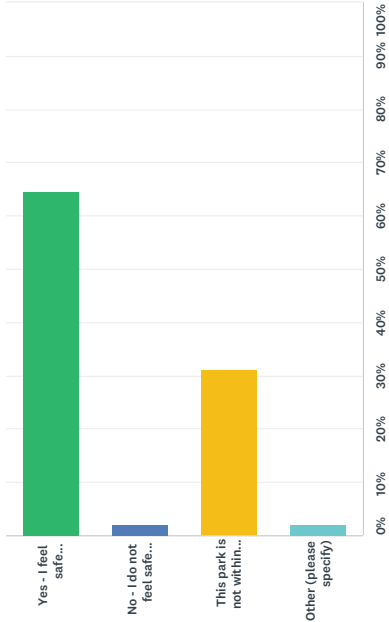
| | | |
|-----------------------------|--------|---|
| Playground | 15.38% | 6 |
| Running | 15.38% | 6 |
| Pavilion/Overhead structure | 12.82% | 5 |
| Concession stand | 10.26% | 4 |
| Picnic Tables | 7.69% | 3 |
| Open Lawn Area | 5.13% | 2 |
| Total Respondents: 39 | | |

Q50 What is key reason you visited Fietta Park/Baseball fields?

Answered: 33 Skipped: 122

Q51 Is Fietta Park/Baseball fields within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 48 Skipped: 107



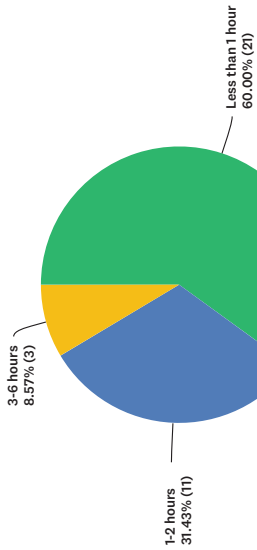
| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Yes - I feel safe walking/biking to park | 31 |
| No - I do not feel safe walking/biking to park | 1 |
| This park is not within walking distance from my home/residence | 15 |
| Other (please specify) | 1 |
| TOTAL | 48 |

Q52 What would you like to see more of added to Fietta Park/Baseball fields?

Answered: 21 Skipped: 134

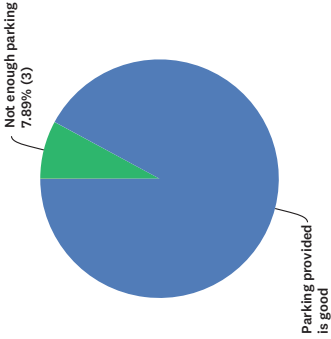
Q53 How long do you usually stay at Fietta Park/Baseball fields when visiting?

Answered: 35 Skipped: 120



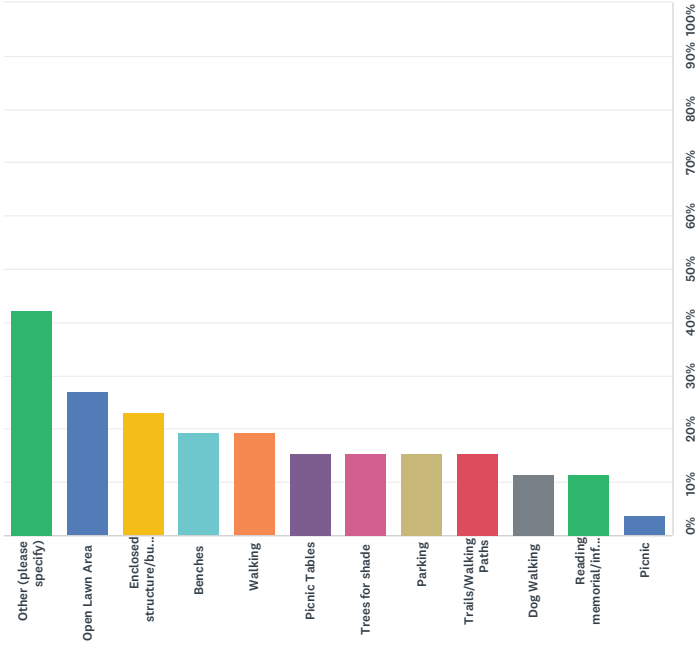
Q54 How is the availability of parking at Fietta Park/Baseball Fields?

Answered: 38 Skipped: 117



Q55 What amenities and/or activities did you and other members in your household use and/or participate in at the Fayetteville Senior Center in the past 12 months? Select all that apply.

Answered: 26 Skipped: 129



| ANSWER CHOICES | RESPONSES |
|-----------------------------|-----------|
| Other (please specify) | 11 |
| Open Lawn Area | 7 |
| Enclosed structure/building | 6 |
| Benches | 5 |
| Walking | 5 |
| Picnic Tables | 4 |
| Trees for shade | 4 |

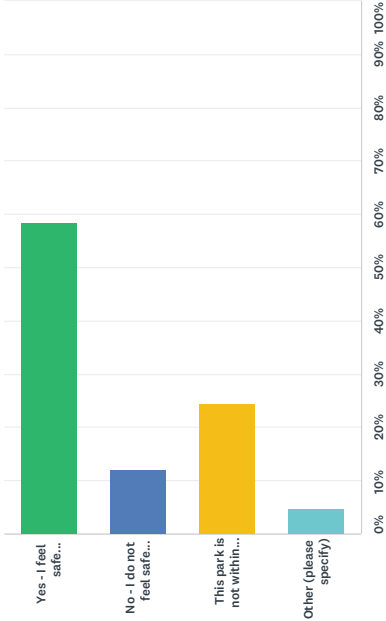
| | | |
|--------------------------------------|--------|---|
| Parking | 15.38% | 4 |
| Trails/Walking Paths | 15.38% | 4 |
| Dog Walking | 11.54% | 3 |
| Reading memorial/informational signs | 11.54% | 3 |
| Picnic | 3.85% | 1 |
| Total Respondents: 26 | | |

Q56 What is key reason you visited Fayetteville Senior Center?

Answered: 27 Skipped: 128

Q57 Is Fayetteville Senior Center within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 41 Skipped: 114



| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Yes - I feel safe walking/biking to park | 58.54% 24 |
| No - I do not feel safe walking/biking to park | 12.20% 5 |
| This park is not within walking distance from my home/residence | 24.39% 10 |
| Other (please specify) | 4.88% 2 |
| TOTAL 41 | |

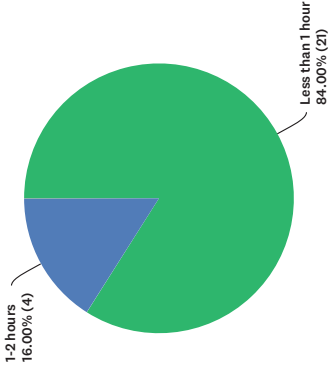
Q58 What would you like to see more of added to Fayetteville Senior

Center?

Answered: 13 Skipped: 142

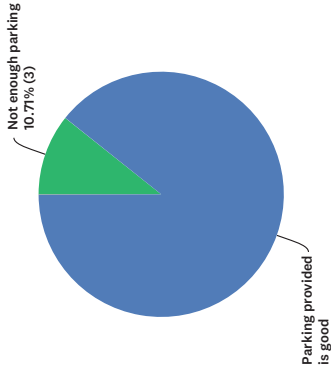
Q59 How long do you usually stay at Fayetteville Senior Center when visiting?

Answered: 25 Skipped: 130



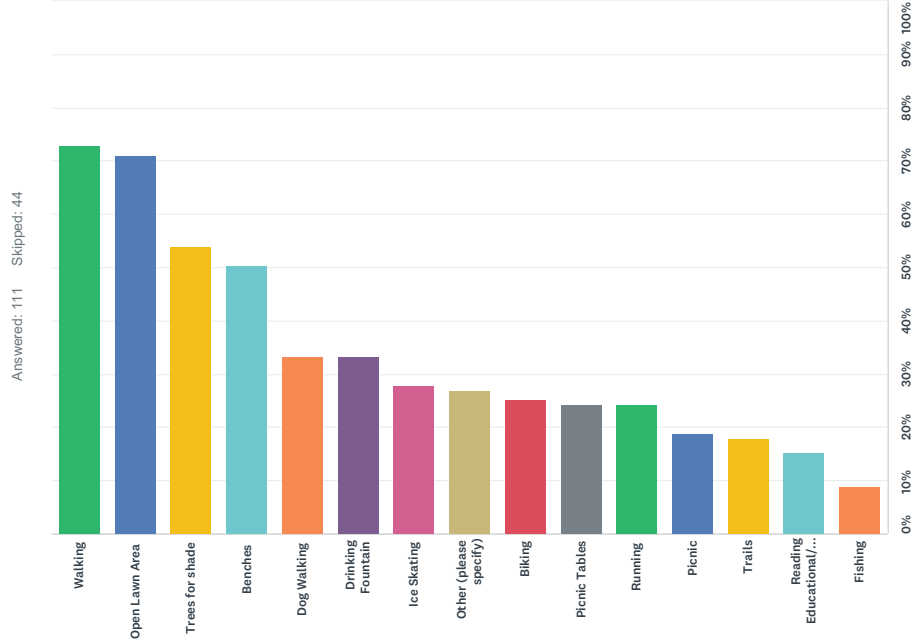
Q60 How is the availability of parking at the Fayetteville Senior Center?

Answered: 28 Skipped: 127



Q61 What amenities and/or activities did you and other members in your

household use and/or participate in at Huntington Beard Memorial Park in the past 12 months? Select all that apply.



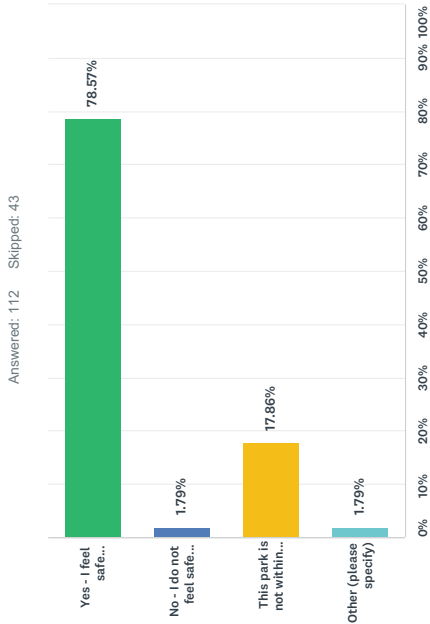
| ANSWER CHOICES | RESPONSES |
|-----------------|-----------|
| Walking | 81 |
| Open Lawn Area | 79 |
| Trees for shade | 60 |

| | | |
|---|--------|----|
| Benches | 50.45% | 56 |
| Dog Walking | 33.33% | 37 |
| Drinking Fountain | 33.33% | 37 |
| Ice Skating | 27.93% | 31 |
| Other (please specify) | 27.03% | 30 |
| Biking | 25.23% | 28 |
| Picnic Tables | 24.32% | 27 |
| Running | 24.32% | 27 |
| Picnic | 18.92% | 21 |
| Trails | 18.02% | 20 |
| Reading Educational/Informational signs | 15.32% | 17 |
| Fishing | 9.01% | 10 |
| Total Respondents: 111 | | |

Q62 What is key reason you visited Huntington Beard Memorial Park?

Answered: 103 Skipped: 52

Q63 Is Huntington Beard Memorial Park within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?



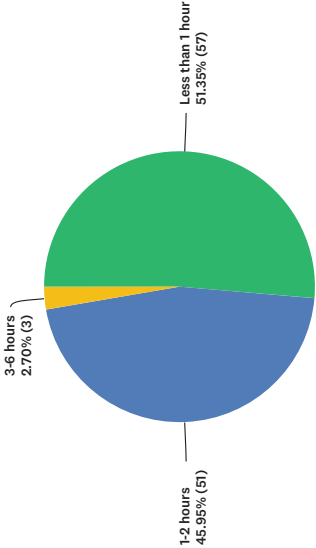
| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Yes - I feel safe walking/biking to park | 88 |
| No - I do not feel safe walking/biking to park | 2 |
| This park is not within walking distance from my home/residence | 20 |
| Other (please specify) | 2 |
| TOTAL | 112 |

Q64 What would you like to see added to Huntington Beard Memorial Park?

Answered: 67 Skipped: 88

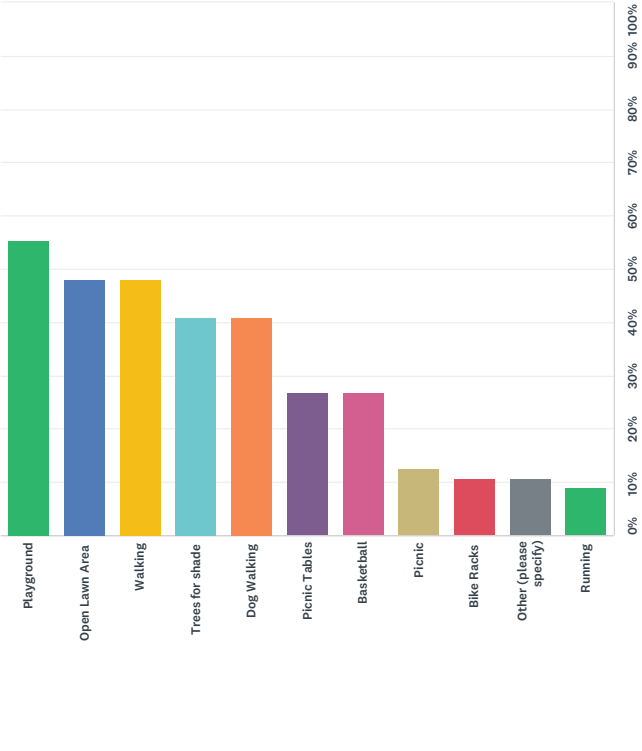
Q65 How long do you usually stay at Huntington Beard Memorial Park when visiting?

Answered: 111 Skipped: 44



Q66 What amenities and/or activities did you and other members in your household use and/or participate in at Washington Park in the past 12 months? Select all that apply.

Answered: 56 Skipped: 99

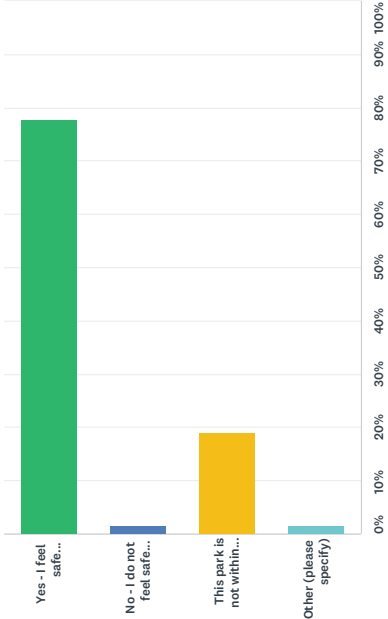


Q67 What is key reason you visited Washington Park?

Answered: 54 Skipped: 101

Q68 Is Washington Park within walking distance from your home/residence? If so, do you feel safe walking and/or biking to this park?

Answered: 63 Skipped: 92



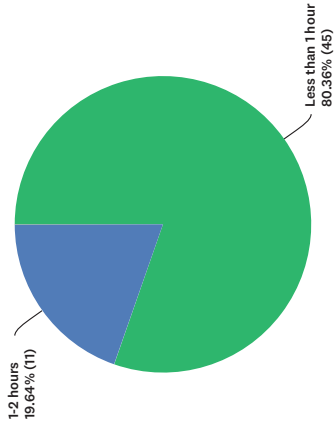
| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Yes - I feel safe walking/biking to park | 49 |
| No - I do not feel safe walking/biking to park | 1 |
| This park is not within walking distance from my home/residence | 12 |
| Other (please specify) | 1 |
| TOTAL | 63 |

Q69 What would you like to see more of added to Washington Park? (ie: walking trails, play structures, fitness/athletic equipment, benches, etc)

Answered: 33 Skipped: 122

Q70 How long do you usually stay at (ie: walking trails, play structures, fitness/athletic equipment, benches, etc)when visiting?

Answered: 56 Skipped: 99



Q71 When visiting the Village of Fayetteville pocket parks, what amenities and/or activities did you and other members in your household use and/or participate in the past 12 months? The Village of Fayetteville pocket parks, as labeled on that map above, include Chapel Street Median (Grover Cleveland Honors Park), Lafayette Park, Limestone Plaza, Redfield Avenue Triangle, Veteran's Park (Triangle Park) and Cleveland Park (outside Village Hall).

Answered: 52 Skipped: 103

Q72 What would you like to see added to the Village of Fayetteville pocket parks?The Village of Fayetteville pocket parks, as labeled on the map above, include Chapel Street Median (Grover Cleveland Honors Park), Lafayette Park, Limestone Plaza, Redfield Avenue Triangle, Veteran's Park (Triangle Park) and Cleveland Park (outside Village Hall)

Answered: 49 Skipped: 106

Q73 Are there any issues or feedback you think we should be aware of that was not covered in this survey?

Answered: 81 Skipped: 74

APPENDIX V: Canal Landing Park





New Ped. Bridge

CANAL LANDING PARK

VILLAGE OF FAYETTEVILLE, NEW YORK

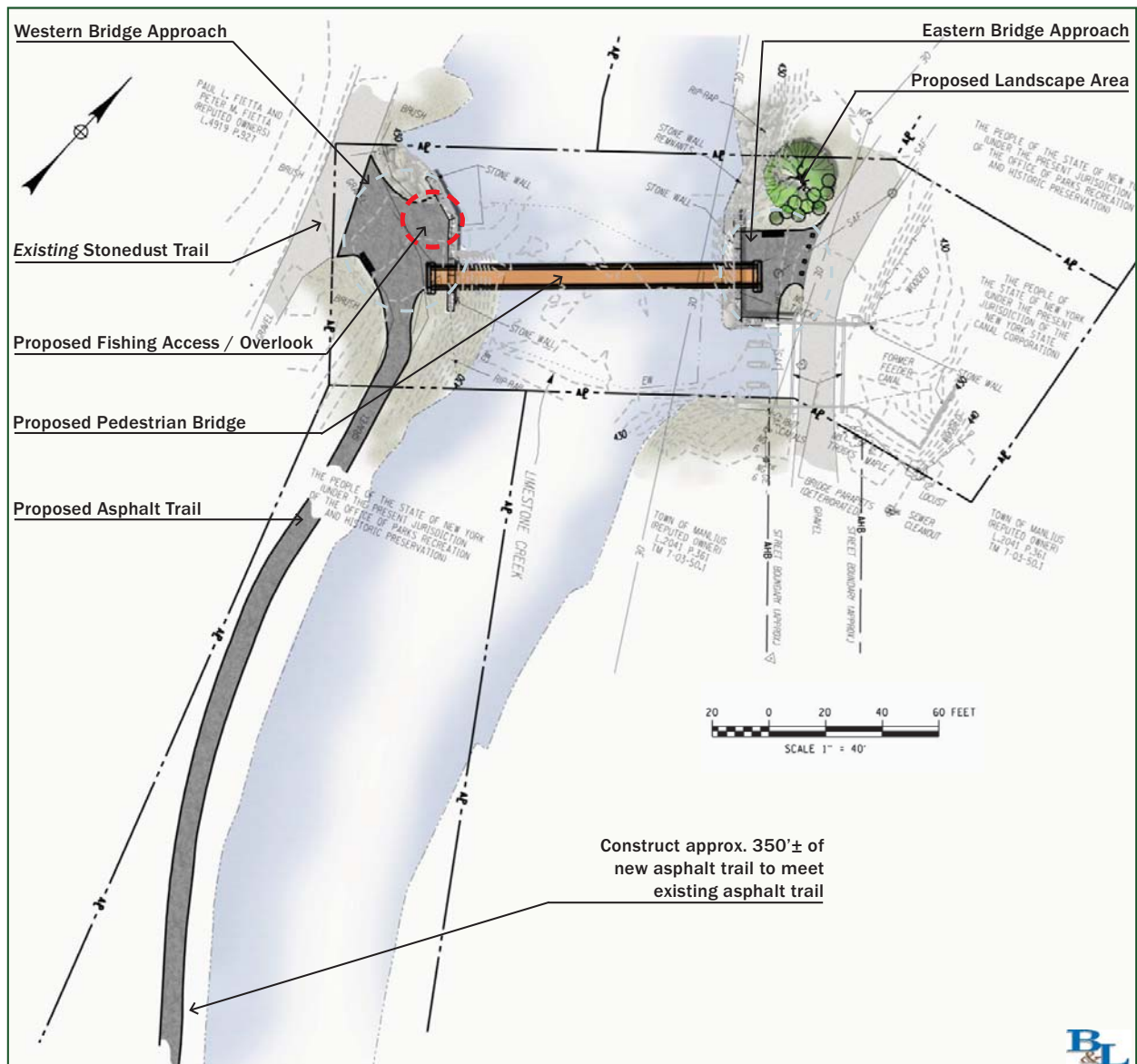
GRANT APPLICATION - OVERALL SITE PLAN



Canal Landing Park - Phase II

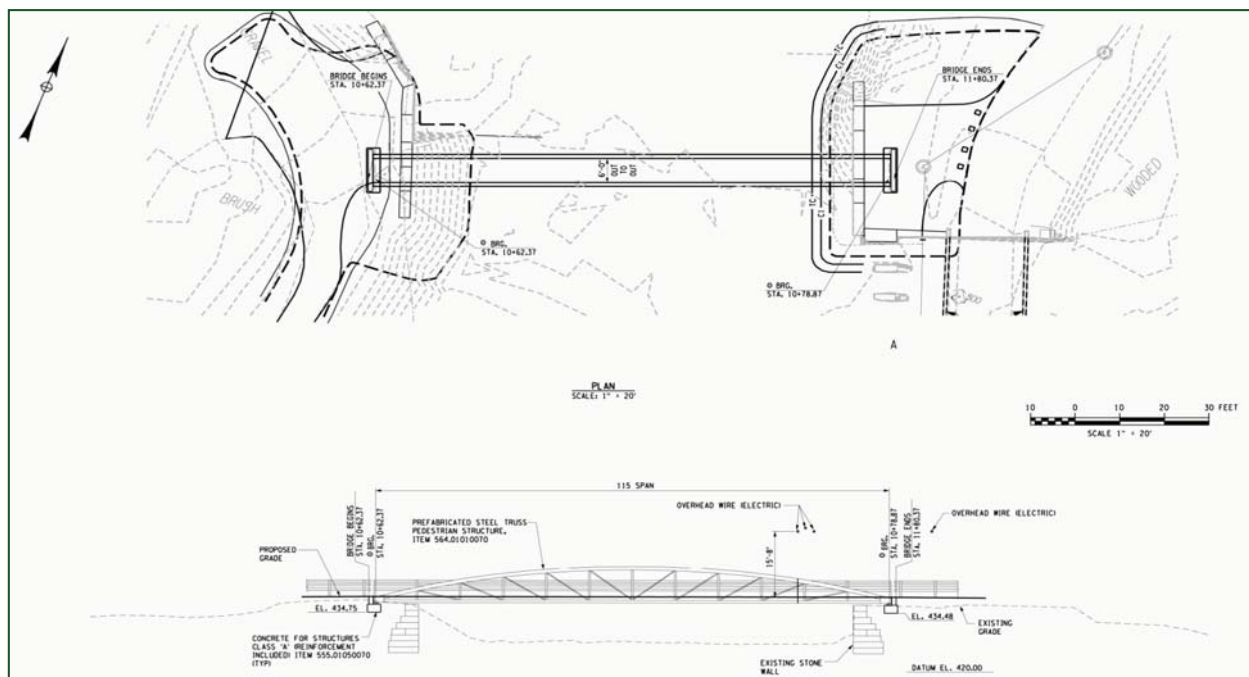


ARTISTIC RENDERING



PROPOSED SITE PLAN

Canal Landing Park - Phase II



FINISH



Weathering Steel

RAILING



Vertical with pipe rail

DECKING



Southern Yellow Pine

ACCENT LIGHTING



Ornamental period lighting

B&L Recommendation

Alternate Options



Galvanized



Painted Steel



Horizontal with wood rail



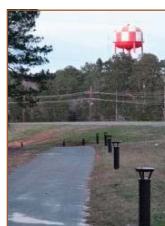
Cable Railing System



Ipe



Contemporary downlighting



Accent bollard lighting

PEDESTRIAN BRIDGE OPTIONS

Canal Landing Park - Phase II



PROJECT SUMMARY:

The proposed project will involve the replacement of the existing Feeder Street bridge over the Feeder Canal with a prefabricated truss. Additionally, a new pedestrian bridge will be constructed, also crossing the Feeder Canal, connecting the Canal Landing Park trails and the Limestone Little League fields to the east. Feeder Street, beginning at the bridge over the Feeder Canal, will be made to be pedestrian and bicycle use only in order to dedicate this space to be a park-type setting. Improvements will be made to Feeder Street beginning south of Feeder Street Bridge at the edge of the existing pavement and continuing north to the Erie Canal. These improvements will consist of installing asphalt pavement, lighting, a picnic and play area, and other site amenities.

Location:

Village of Fayetteville, Onondaga County

Proposed Work:

1. **Feeder Street Bridge Replacement:** The existing Feeder Street bridge will be replaced with a 40 foot prefabricated truss bridge intended for pedestrian and bicycle use, and capable of supporting maintenance and emergency vehicles. The existing limestone walls and control gate structure will remain.
2. **Feeder Canal Bridge Construction:** A new 50 foot prefabricated truss bridge intended solely for pedestrian and bicycle use will be constructed adjacent to the existing ball fields.
3. **Trail Surface Improvements:** The existing gravel trail will be paved at 10 foot wide with 2 foot gravel shoulders beginning at the edge of existing pavement south of the Feeder Street Bridge and continuing north to the Erie Canal trail.
4. **Lighting:** Trail lighting will be installed at each bridge site, at the parking area, and widely spaced along the trail to extend the usable window for the trail and provide security for the park.
5. **Site Amenities / Play and Picnic Area:** A nature play area with an adjacent pavilion and picnic area will be constructed north of the Feeder Street Bridge. This play area would provide an alternate play style to the existing traditional playground at the southern end of the park.
6. **Parking Improvements:** The existing gravel parking lot located south of the Feeder Street Bridge will be paved and striped. It is anticipated that this area will provide parking for four vehicles.
7. **Village Gateway with Signage and Seating:** A stone entrance sign will be constructed at the existing trail transition (Feeder Street to Erie Canal extension) to act as a gateway into the Village and Canal Landing Park from the north. Rest area seating will be provided.

Anticipated Schedule:
Construction is expected to begin in Spring/Summer of 2017.

Maintenance of Traffic:

In order to maintain a safe work site and protect the public, the Feeder Street trail and existing pedestrian bridge will have to be closed during portions of the project. An attempt will be made to maintain pedestrian/bicycle traffic to the extent possible.

R.O.W.:

No right-of-way takings or relocations are required for this project.

PROJECT REPRESENTATIVES:

VILLAGE OF FAYETTEVILLE:

Mark Olson, Mayor
Lorie Corsette, Village Clerk

BARTON & LOGUIDICE, D.P.C. (Design Consultant):

Benjamin Werner, PE
Zach Dale



VILLAGE OF FAYETTEVILLE
425 East Genesee Street
Fayetteville, NY 13066

(315) 637-9864
www.fayettevilleny.gov

Correspondence regarding this project should make reference to:

PIN 3950.55
Canal Landing Park Project, Phase IV
Village of Fayetteville



Village of Fayetteville
Welcomes you to a

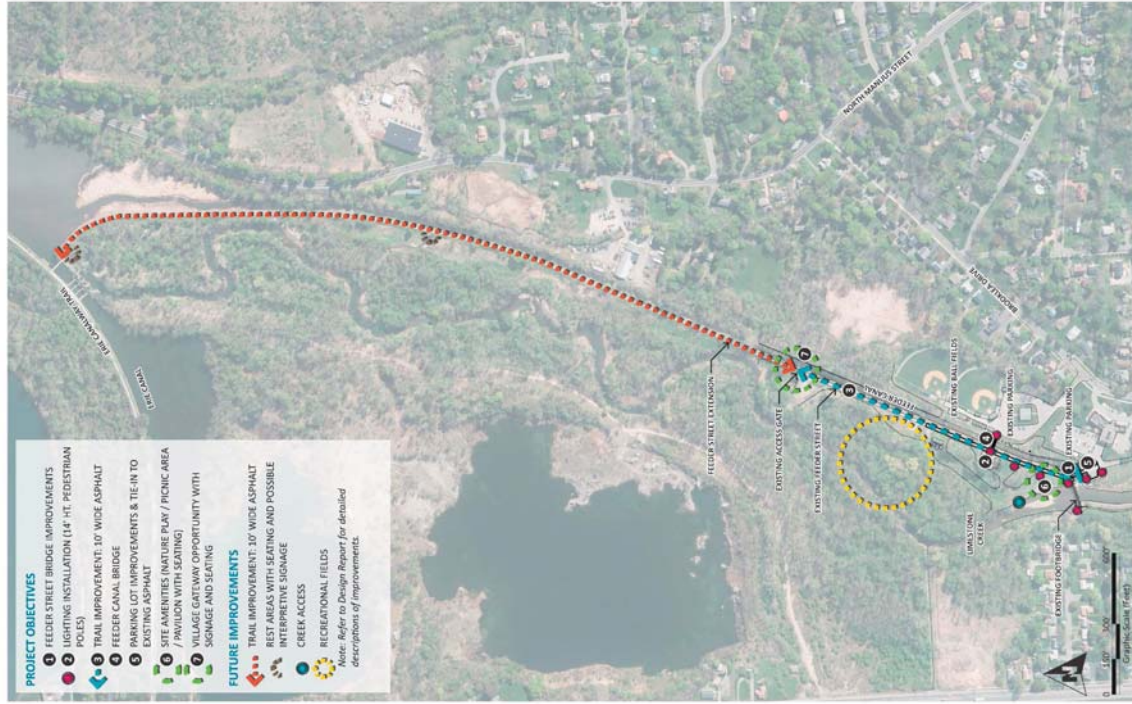
Public Information Meeting
for the

Canal Landing Park Project, Phase IV



This meeting is being held to allow interested parties to review the project plans in an informal setting, comment and ask questions.

FAYETTEVILLE VILLAGE HALL
JULY 18, 2016

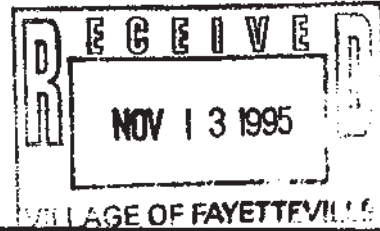


APPENDIX VI: Ledyard Canal Reports



- DRAFT -

Village of
FAYETTEVILLE
New York



LEDYARD CANAL RECREATION TRAIL FEASIBILITY STUDY

October, 1995

BOARD OF TRUSTEES

Marian Loosmann - Mayor
Malcolm Bender
Dan Kinsella
Mary Ellen Letterman
Henry McIntosh

LEDYARD CANAL COMMITTEE

Malcolm Bender
Pamela Bender
Jim Hughes
Harold Hopkinson
Tom O'Shea
Wendi Richards

David Wheeler
Marty Brunet

CONSULTANT

David W. Tessier
Landscape Architect
8291 #2 Road
Manlius, New York 13104
(315) 682-2535

- DRAFT -

Village of Fayetteville
New York

2021 VOM

LEDYARD CANAL RECREATION TRAIL FEASIBILITY STUDY

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I. INTRODUCTION

- A. Premise
- B. Purpose
- C. Site Map
- D. Proposed Trail Map

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- A. History
- B. Existing Conditions
- C. Map of Perry Springs Flow

III. EVALUATION AND RECOMMENDATIONS

- A. Franklin Street to Wynridge Road
- B. Wynridge Road to Hunt Lane
- C. Hunt Lane to Highbridge Road/Route 92
- D. Highbridge road Crossing
- E. Memory Lane and Ledyard Drive
- F. Optional Trail to Clark Lane
- G. Ledyard Drive to Candy Lane Park
- H. Candy Lane Park
- I. Candy Lane Park to Stickley Drive
- J. Stickley Drive

IV. CONCLUSION OF FEASIBILITY STUDY

V. IMPLEMENTATION

- A. General
- B. Alternatives
- C. Responsibilities and Financing
- D. Cost Estimates

VI. APPENDIX

I. INTRODUCTION

A. Premise

It has long been an assumption on the part of many Fayetteville residents that a recreation trail can be built along the Ledyard Canal, connecting the Villages of Fayetteville and Manlius. In his June 4, 1909 report to the Fayetteville Park Commission, Charles Mulford Robinson says:

In my short stay, there was no opportunity to explore the dyke for more than a hundred yards or so beyond the town limits at Franklin Street. But I should judge that there was clearly a great opportunity for Manlius and Fayetteville to cooperate in creating, by creek and dyke, a parkway connection that would cost them little, have remarkable charm, and benefit them greatly. If there is in Manlius the spirit that Fayetteville has, the towns can be expected to get together in this matter.

Today, almost all of the canal property is municipally owned, and water still flows from Perry Springs in Manlius to feed the canal and Beard Park in Fayetteville. The connection is natural since the people in both villages share common activities and facilities such as the School system, the Little League, and even the Rotary Club, to name a few.

B. Purpose

The purpose of this report is to study the feasibility of constructing a recreation trail along the Ledyard Canal from Franklin Street in Fayetteville to Stickley Drive in Manlius. The report includes a map of the entire canal showing the proposed trail route, with larger scale maps showing more detail in specific areas. It also includes descriptions of the canal, its history, and attributes. Challenging areas are also shown and described with proposed solutions for each critical area.

A conclusion section is followed by implementation strategies including alternates, cost estimates, financing strategies, and responsibilities of involved groups and agencies.

II. HISTORY AND ANALYSIS

A. History

During the 150-year history of the Ledyard Canal, many articles and reports have been written about it by students, reporters, and historians. A listing of the reports used in this study can be found in the Appendix. A few significant quotations from these reports are repeated here and throughout this report.

Ledyard Dyke is an approximately two and two thirds mile long hydraulic canal built between 1845 and 1849 for the purpose of providing water power for industrial development within the Village of Fayetteville. The dyke is typical of the conveyances and hydraulic control structures which were once common when water was the primary source of power for industry.

By Evamaria Hardin, *Nomination to the National Register of Historic Places*, 1980

As a whole the Ledyard Dyke hydraulic canal constitutes a fairly well-preserved and operational example of the hydraulic technology employed in harnessing and controlling water for the purpose of producing mechanical power for manufacturing. Such technology was once a common and vital part of American industry, but few examples remain today.

By William P. Tully, Engineer, report to the Fayetteville Heritage Association, July 23, 1980

The Magnificent water power of Fayetteville is obtained from what is known as the Ledyard Dyke.... The Ledyard Dyke commences a little north of the village of Manlius on Limestone Creek, and runs thence to Fayetteville where it empties into the creek again giving a fall in the village of about 100 feet....¹

¹ Clayton, W.W.,
History of Onondaga County
Syracuse, New York: 1878

By William Hoople and Robert
Doolittle, report, *The Ledyard
Canal, A Nineteenth Century Water
Power Project*, May 3, 1960

B. Existing Conditions

The section of Ledyard Canal that lies generally within the limits of the Village of Fayetteville has been studied and described in other reports, and most of it is also readily visible from village streets. For recreation trail development and use, this section of the Canal can be followed with the installation of appropriate signage and stripping along those streets.

This feasibility study, therefore, will focus on the understudied sections of the canal from Franklin Street south to Stickley Drive in the Village of Manlius. This is the section of canal that holds the most potential for the development of a recreation resource for our community.

The following description by Evamarie Hardin summarizes the canal's condition in 1980:

The Ledyard Dyke begins at a point north of what is now called Troop K Road, just west of the Village of Manlius. The diversion dam has been modified over the years so that it is now an earth and stone structure capped with concrete. The spillway crest is 10 feet high. The south end of the dam was breached and has yet to be repaired, but the head above the dam is maintained and the dyke continues to function. A control gate at the entrance to the dyke is inoperative, but once controlled the flow into the dyke. It measures about 10 feet at the opening

and forms a submerged weir. The wooden gate was controlled by a screw-jack mechanism. The structure appears to date back to the early 20th century.

Several modifications to the dyke have been made in the vicinity of the dam due to washouts, and flow into the dyke is now controlled by a 48 inch inverted syphon. The culvert is about 250 yards long and is of fairly recent construction. A washout has occurred at this location as evidenced by the wooden cribbing running down the embankment. The culvert carries the dyke through the wash-out area. A concrete head wall and flat-bar debris screen protects the upstream of the culvert.

The channel is hand-dug and varies in width from 20 to less than 8 feet with the depth ranging between 2 and 4 feet. The bottom is generally clay. The cross-section alternates between rectangular and trapezoidal, and the channel lining varies from earth and stone to concrete. Most of the control structures are at least capped with concrete but appear to have originally been constructed of cut limestone, which was readily available in the area. Several of the structures have clearly been modified over the course of time, with one structure sometimes being superimposed over another. An overflow structure located about 170 yards downstream of the diversion dam is a 12 1/2 foot wide structure of fairly recent construction. It serves to regulate excess flow within the dam.

The channel of Ledyard Dyke runs northeast from the diversion dam, crossing State Route 92 at a point east of Hunt Lane. It then arcs due north, crossing Hunt Lane and Franklin Street before entering the "doughnut" shaped holding reservoir in Beard Memorial Park. The reservoir, or Wellwood Pond as it is called, has a surface area of about one acre and serves as a focus for the park. It was constructed as a holding reservoir to control flow into the dyke, that is, it stored water to stabilize the flow in the dyke. There is evidence of a control gate at the end of "Hot Dog Island". There is also the ruins of a wooden bulkhead running along the channel side of the island, probably to protect the bank when the flow was swifter in the dyke. Another holding reservoir was located just south of Franklin Street, but no evidence of it remains. This constitutes the first reach of the dyke, a distance of about 2 miles. There is very little fall and there are no significant structures, except the diversion dam itself.

many areas of leakage, structural problems, and a major washout area in Candy Lane Park. Many private homes have lawns and outdoor living spaces along the canal. Each of these conditions is described in more detail in the evaluation section, along with potential solutions to allow trail development that will be a benefit to adjacent property owners as well as to recreation trail users.

III. EVALUATION AND RECOMMENDATIONS

A. Franklin Street to Wynridge Road - MAP A

This section of proposed trail is 1900 feet long and is entirely on the property of the Fayetteville-Manlius School District. Although this segment of trail is not along the canal dyke, it is directly related to Wellwood and Fayetteville Elementary Schools, is relatively inexpensive to construct and maintain, and directly connects to the canal at each end. The trail starts at the sidewalk on Franklin Street and passes 200 feet through the existing parking lot adjacent to the tennis courts. Construction would require signage and pavement markings, and the existing parking lot can serve as a trail head. An interpretive sign, orientation map, and two benches should be located here.

The next section is approximately 1200 feet long between the ballfields and the woods along the canal. Construction would require removal of the grass and installation of stone dust surfacing. An alternate trail could be built through the woods along a part of the canal. This alternate trail would require tree and shrub removal, regrading with a bulldozer, crushed stone base and stone dust surfacing. This alternative is more costly, but would be adjacent to the canal, and through a wooded area to provide an opportunity for nature study.

Near the historic Oak tree, there is an existing trail that crosses the canal with a wooden footbridge, onto private property. This bridge would remain for private access only. A new trail would be built through the woods behind Fayetteville Elementary School. This trail would be partly adjacent to the canal and would include a nature "bowl" area for an outdoor classroom. This entire trail section would be a nature trail and an extension of the existing Living Laboratory at the school.

The trail would cross the canal with a new wood footbridge at the public parking lot at the north end of Wynridge Drive. Trail construction would consist of a wood chip surface through the existing woods, with removal of shrubs and low branches, only as necessary. No tree removal, grading, or other construction would be involved. An interpretive sign and orientation map would be installed at the footbridge. The Village of Fayetteville has requested, and expects to receive permission from the School District for the construction of this section of the trail.

Across the parking lot from the footbridge, there is an overlook with a view down the steep slope to the level of Limestone Creek. This is an important vantage point to orient people to the purpose for the canal, to provide waterpower. At this point, you can readily see a 70 to 80 foot drop between the height of the canal and the Creek.

B. Wynridge Road to Hunt Lane

This section of approximately 1000 feet of trail would closely parallel the canal. It could be constructed on top of the west canal dyke, but this would require removal of the majority of a narrow band of young trees and shrubs separating the canal from the

street. It is recommended that appropriate signage and striping be installed to create the trail on the existing asphalt street.

An alternative would be to regrade the shoulder of the road between the pavement and the canal dyke, remove the grass, some trees and shrubs, and install a stone dust path as a shoulder to the road. This would be a more costly option, but would be a better surface for joggers and runners, would be safer because it is off of the road, and would preserve most of the strip of vegetation on the dyke. For any of these options, signage and striping are needed for a safe crossing of Hunt Lane.

C. Hunt Lane to Highbridge Road/Route 92 - MAPS B AND C

This 1500 Foot long section of the canal has private residential property on both sides. Although there are few houses, the properties have been developed with lawns and structures adjacent to the canal property. The proposed trail would be constructed on top of the west dyke, and would consist of tree and shrub removal, and installation of stone dust surfacing. To mitigate the direct view and possible trespassing onto the outdoor living spaces by trail users, several hundred feet of appropriate fencing will be required on both sides of the canal in this area. A solid wood slat fence will be required in visually sensitive areas, while a chain link fence with vines will be more appropriate in the wooded areas as shown on MAPS B and C.

Since the trail in this area will be built on the canal dyke, users will benefit from an excellent opportunity to experience the level character of the canal, and its uniqueness as an engineering feat. Near the point where the trail will turn away from the canal, there is a pond area called the wide waters. There seems to be no historic reason for this area of

water, but it is the most scenic spot on the entire trail, and is a feature worth emphasizing. The trail should be widened at this point and a bench installed.

According to tax maps, the Village of Fayetteville owns the canal to within approximately 200 feet of the Route 92 bridge. Since it would be difficult to cross Route 92 at that bridge, the trail should leave the canal and cross the highway at a point opposite Memory Lane. To allow this routing, approximately one quarter acre of land should be purchased or a right-of-way to cross this property should be obtained. Construction across this area would consist of removing the grass and installing crushed stone and stone dust surfacing. An interpretive sign and orientation map should be installed at this location.

D. Highbridge Road Crossing

Between Highbridge Road and Stickley Drive, approximately 35 homeowners have developed backyards that border this 3400 foot stretch of Ledyard Canal. To reduce the potential for trespassing onto private property, the trail will follow Village streets to Candy Lane Park, and will be built along the bottom of the dyke within the park, as shown on MAP D.

The most critical area for this trail is the crossing of Highbridge Road on Route 92. It will cross the highway at 90 degrees for safety, and will be in line with the east shoulder of Memory Lane. Appropriate signs and pavement striping will be used, and approval and guidance from the New York State Department of Transportation will be required. The crossing should be designed in the same manner as the crossing for Lyndon Golf Course at Route 92 near Lyndon. This important crossing will add about 100 feet to the trail.

E. Memory Lane and Ledyard Drive

This 1400 foot long section of the trail will be built on the east shoulder of Memory Lane and Ledyard Drive. Construction will consist of appropriate signs and pavement markings. The Manlius Village Board is in support of this route for the trail and will therefore provide permission for this work on these two streets. This routing will make the entire trail readily available to all of the residents in this Memory Lane tract.

F. Optional Trail to Clark Lane

There is an existing concrete bridge across the canal between Ledyard Drive and Clark Lane approximately at the south end of Ledyard Drive. A 30 foot wide piece of private property exists on both sides of the canal, in line with this bridge. Purchase of these two parcels by the Village of Manlius or Fayetteville would provide the potential for direct access to the trail for residents of Clark Lane. More importantly, it would provide trail users with a unique view of the canal, and a visual understanding of how the surrounding neighborhood was built around the canal.

Construction of a trail east of the bridge to Clark Lane would require removal of the grass and installation of a stone dust path on the gently sloping lot. To the west of the bridge, the dyke slopes 15 to 20 feet steeply down to the street level in about 150 feet. This steep slope would require a lot of fill and grading and possibly a wood walkway or asphalt path to comfortably traverse the steep slope. This optional 400 foot section of trail to this unique and important vantage point would include an interpretive sign, an orientation map, benches, and handrails on the bridge.

G. Ledyard Drive to Candy Lane Park

The dedicated street portion of Ledyard Drive ends at the north edge of a large piece of private undeveloped property. A strip of land needs to be purchased, or a right-of-way obtained, before this 800 foot section of trail can be built. The Village of Manlius has pursued this in the past, specifically as part of a subdivision that was approved in the 1980's, but was never built. Construction of this trail section will require tree and shrub removal, some bulldozing, and installation of crushed stone base and stone dust surface.

H. Candy Lane Park - MAP D

This 19-acre parcel is undeveloped dedicated park land in the Village of Manlius. According to tax maps, the Ledyard Canal is included in this park, although the Village of Fayetteville has a right to maintain the canal for the purpose of continuing the water flow to Beard Pond.

The proposed development plan that is a part of the 1990 Recreation Master Plan for the Village of Manlius, shows recreation trails around the perimeter of this park. The main trail would be about 1500 feet long and would be built along the bottom of the canal dyke on the west side of the canal. Construction would involve tree and shrub removal, grading and the installation of a wood chip surfaced path. This section of trail passes through a mature woods, and by its topography is secluded from view from any of the surrounding homes.

At the southeast corner of the park, the trail must traverse the steep west slope of the canal dyke, where it will continue along the top of the dyke. The construction of a wood walkway will be the best way to achieve this grade change, as shown on MAP E. Due to the narrow space in this area between the canal and Limestone Creek, there is no room for the large amount of fill that would be required for an earth built path, and bulldozing into the fragile bank would destroy the structure of the dyke.

This wooden walkway will accent the 30 to 40 foot height of the canal above the Creek at this point, emphasizing the purpose of the canal for waterpower. It will also provide excellent views of the very picturesque Limestone Creek valley and golf course across the Creek.

I. Candy Lane Park to Stickley Drive MAP E

Approximately 600 feet of trail along the west side of the canal on top of the dyke is shown on private property. This is a critical area of the trail between the two Villages, since the space is so narrow that this dyke bank is the only possible location for the trail. To develop the trail here, the property needs to be purchased, or a right-of-way needs to be obtained by the Village of Manlius. The Village is pursuing these options with the objective of completing this portion of its Recreation Master Plan.

Construction of this trail section would require tree and shrub removal and installation of a stone dust path. The south end of this section is the end of the remaining canal waterway. An interpretive sign and orientation map will be installed here, with a bench at a viewing area overlooking the valley to the west and south.

There is a serious erosion problem in this area at the bottom of the bank where Limestone Creek continues to wash away the bank. The site map shows the proximity of this area to wash outs of the original canal in 1945 and in 1957. In time, this section of trail and canal will be subject to the same erosion, unless corrective action is taken in the stream bed. There is a main sanitary sewer line located along the east side of the canal in this area which might also be disturbed if this creek bank is eroded. The Onondaga County Division of Drainage and Sanitation should be made aware of this situation. They may be able to assist in a stream bank restoration program to help protect their pipeline.

J. Stickley Drive

This end of the trail will lead away from the canal and will connect to existing streets in the Village of Manlius by way of Stickley Drive. This 1000 foot segment will end at the existing asphalt paved trail at the Little League fields. The first 300 feet of this trail is on

private property as described in section III, I. Construction of this section would be through a wooded area and would require tree and shrub removal, grading, and installation of a wood chip path. The remaining 700 feet would be built on the existing Stickley Drive right-of-way. It would be built as an extension of the road shoulder, and would require some grading, removal of the grass, and installation of stone dust surfacing.

The trail would cross Stickley Drive at the Little League ballfields, and would require appropriate signs and pavement markings. Also, an orientation map and bench will be installed at this location.

An existing path to the adjacent Limestone Gardens senior citizen apartments provides them with a direct connection to the entire trail. Another existing path passes through the Manlius Village Centre Park, connecting to the recreation building, the Village Centre offices, library, senior centre, the Centre Pond nature trails, the Swan Pond, and continuing on Village streets to connect to over 2.1 miles of trails in Mill Run Park.

IV. CONCLUSION OF FEASIBILITY STUDY

This report describes the construction of approximately 10,200 linear feet of trail which would be almost two miles (1.93 to be exact) of recreation trail made available to this community. It would provide a safe facility for walking, jogging, running, exercise, nature study, and enjoyment of the outdoors. It would also provide an alternate transportation route between several residential areas, and municipal facilities in both Villages. This would allow travel to and from work, shopping, and other activities without the use of a car. By also

using existing Village streets, you could travel from Mill Run Park in Manlius, to and through Fayetteville to the trails along the Erie Canal.

As John Houlihan wrote in his report in 1977:

Although entirely intact, the canal is hardly visible today. It is almost entirely overgrown with trees and underbrush. Most residents of Fayetteville and Manlius are vague at best about what the canal is or what its origins are. Other than the pond at Wellwood, the canal is hardly maintained.

Other than McIntyre's use and Wellwood Pond, the Ledyard Dyke (as it is now called) is not a part of Fayetteville's life...the monument to the ingenuity and hard work of men is all but forgotten.

And as Charles Mulford Robinson wrote in 1909:

Even now the walk is most beautiful and one feels one's self in Holland rather than in America.

The proposed extension of the walk at its lower end and its prolongation at its upper end will increase its usefulness, and with appreciation that it is a public parkway, so that in walking here one is not trespassing, it is likely to be more used. Certainly no business man could have a more delightful way from house to office and back again than beside this stream. Every effort should be made to persuade the company to grant the privilege, where it is not already possessed, of so using the bank.

My conclusion from this study is that the development of the recreation trail described is very feasible. I feel that the benefits to the residents of the community far outweigh the challenges to be overcome.

And a final footnote:

Do you wonder, then, at my statement that there is the opportunity to create in Fayetteville, at moderate cost, one of the most complete and well rounded park systems of any community in the United States? Just how this should be

developed, I have tried to indicate. To-day you have a great chance; tomorrow, if you do not act, some of it will certainly be gone.

Respectfully submitted,
CHARLES MULFORD ROBINSON
Rochester, N.Y.,
June 4, 1909

V. IMPLEMENTATION

A. General

The sections of the trail that are the easiest to build should be implemented as soon as possible, no matter how short they are. As other short segments are added, they each become increasingly more valuable as key segments in the entire trail. Existing trail sections can be referred to in the process of convincing any possible reluctant adjacent property owners of the positive benefits of the project to them and to the entire community.

Actual construction will be accomplished through a comprehensive combined effort involving Federal, State and local tax dollars, labor from the Villages and the School District, volunteer labor from Rotary, Boy Scouts, and other groups, and donations of money from local agencies and organizations. Even very small donations of money or labor help to convince others of the importance of this project and serve to attract larger donations.

B. Alternatives

No report is complete without considering some alternatives, even if not recommended. One alternative to the trail as proposed in this report would be to install a storm drain pipe system in the bottom of the canal, fill the canal, and construct a stone dust path on top of the fill. This option would result in a wider, straighter trail with no bridge to build, and no concern for future leaks or washouts.

However, this alternate would eliminate the water, which is the one major attraction and reason for locating the trail along the canal. Also, the water serves not only as a positive attraction, but as a physical barrier to keep trail users on one side of the canal property. This option would also require a comprehensive engineering layout of a storm sewer system for the entire adjacent drainage area, including the overland flow across the top of the filled canal. In consideration of the above, and of the entire contents of this report, I do not recommend this option.

Temporary alternate routes may have to be considered in certain areas in order to complete a section of trail while negotiating easements or property transfers, or waiting for funding. The route from Wynridge Road to Highbridge Road, for example, could be accomplished with a trail along the shoulder of Hunt Lane and route 92 to the Memory Lane crossing. Obviously not as attractive, and certainly not as safe, this route could be built temporarily with signage and pavement striping, to maintain the continuity of the entire trail.

C. Responsibilities and Financing

The Village governments of Fayetteville and Manlius will be the agencies responsible for the implementation of their respective sections of this trail, with Highbridge Road as the arbitrary dividing line. Manlius will use the Parks and Recreation Advisory Board, and Fayetteville will use the Ledyard Canal Committee for detailed planning, research, and development.

The Town of Manlius will need to be supportive of the concept, since a large part of the trail between the two Villages is within the Town jurisdiction. The Onondaga County Department of Drainage and Sanitation should take an active role in the protection of their

sanitary sewer line. The New York State Department of Transportation will have to approve the crossing of Highbridge Road, and may also implement the necessary signage and striping. If stream bank improvements are made in Limestone Creek near Candy Lane Park, the New York State Department of Environmental Conservation would have to approve the design and issue a permit.

Although funding can be obtained from a variety of sources, both Villages will be applying for funding from the Federal Intermodal Surface Transportation Efficiency Act, called ISTEA. If awarded, these funds will cover 80 percent of the cost of construction. The remaining 20 percent can be local tax dollars, Village force account labor and equipment, private donations, and/or volunteer labor. To obtain ISTEA funding, a strong case has to be made to show that this trail will provide an alternate means of transportation, and will therefore reduce the number of cars on the roads and further, reduce the need for more highway construction.

The Village of Manlius has already constructed sections of recreation trails as an part of their Recreation Trail Master Plan. The existing 2.1 miles of trails in Mill Run Park is connected by 1300 feet of stone dust trail along Limestone creek to the traffic light at the P & C store on Route 173. This 1300 feet of trail was built over a three-year period with monetary assistance from the Fayetteville-Manlius Rotary Club, Onondaga County Department of Community Development, Coors Pure Water 2000 campaign, as well as Village tax dollars. Labor was provided by volunteers including members of the Fayetteville-Manlius Rotary Club, as well as labor and equipment from the Village

Department of Public Works. This section of trail represents a fine example of community cooperation toward the completion of a common goal.

Manlius will seek to use similar cooperation from local groups and agencies as it continues to implement its master plan. The Department of Public Works will also continue to construct various segments of the trail as they have done through the Village Centre Park and around the Centre Pond. All of these sources will be relied upon for the 20 percent match for the ISTEA grant.

The Village of Fayetteville has the capabilities and potential to execute various portions of their part of the trail, just as Manlius has done. Already, volunteer groups have provided planning, manpower, and materials for the cleanup of several sections of the canal in the Village. The Ledyard Canal Committee has volunteered countless hours toward research and promotion of the Ledyard Canal and toward the development of a recreation trail. They are primarily responsible for convincing the Village Board to undertake this study. All of these are significant steps, no matter how small, in the ultimate completion of the entire trail project. Even though the ISTEA grant would provide major funding, this project should not be put on hold in anticipation of, nor should it rely totally on those funds. Volunteer groups should continue their efforts, and the Department of Public Works could begin implementation of various components of the trail. Many of the tasks required to construct trails, are routine DPW operations channelled in a different direction, and most of the materials required are common and inexpensive.

The Village of Fayetteville has already received verbal approval for the section of trail across the Fayetteville-Manlius School District property. As soon as written permission

is granted, and a specific route is selected, all possible resources should be coordinated to begin construction. The positive public relations from this trail section will be vital to the future development and completion of the entire trail.

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THE LEDYARD CANAL REPORT

MARCH 8, 1993

THE LEDYARD CANAL REPORT

Presented to the Village of Fayetteville

Board of Trustees on March 8, 1993

by the Committee on the Ledyard Canal

LEDYARD CANAL REPORT

The Charge to the Committee

1. Assess the physical canal structure.
2. Assess the sufficiency of the quantity and quality of water now being received in the canal from its source.
3. Based on these assessments, recommend a water source for Beard Park Pond in Fayetteville.
4. Based on these assessments make a recommendation as to the feasibility of the canal's continued use as a water conduit from the Village of Manlius to Beard Park Pond in Fayetteville.

LEDYARD CANAL REPORT

Executive Summary

The following summarizes, point by point, the committee's responses to the charges issued by Mayor Loosman on September 24, 1992.

1. The physical condition of the canal from Beard Park to its beginning behind Candy Lane was assessed. The section from Rt. 92 north to Beard Park was essentially in good condition with approximately two feet of organic sediments accumulated above the bed. The existing banks were overgrown for the majority of the distance. The canal from Rt. 92 south to its beginning exhibited signs of instability at a number of locations. This section is in generally poor condition. Seepage from the canal exists near Ledyard Drive; a breach with temporary piping for repair is located near Carey Drive and Candy Lane; and another potential breach situation was discovered about two hundred feet downstream from the beginning of the canal.
2. An evaluation was made regarding the quantity and quality of the water now being received at Beard Park. Based on the measurements taken at the locations where seepage was observed, as well as those sources providing water to the canal, it appears there is an adequate supply of water available to service the system. The quality of the water was assessed based on tests at nine locations for ammonia and dissolved oxygen. The dissolved oxygen levels measured on November 20, 1992 were found to be lower at Beard Park (9 mg/l) than at the beginning (12 mg/l). The ammonia level was higher at Beard Park. Potential water quality impact sources were also noted and identified.

3. It appears that the present water sources, Manlius Center Pond and storm water drainage from the Villages of Fayetteville and Manlius, and the Town of Manlius and New York State highways will provide the quantity of water necessary for the canal system. The quality will improve with increased flow from reduction in transmission losses and with water quality improvement practices at particular problem locations.
4. The committee feels that it is still feasible to utilize the existing system to conduct water to supply Beard Park. However, the present areas in the canal from Route 92 south to the beginning need to be corrected both from the standpoint of the canal's structural integrity as well as public safety.

THE LEDYARD CANAL

Statement of Significance*

The Ledyard Dyke, constructed between 1845 and 1849, illustrates the importance of water as a source of power for industry in the early to mid-nineteenth century. Using an available water source and favorable topography, the dyke's designers were able to artificially create a readily available supply of water power for the village of Fayetteville. Ledyard Dyke is a significant reminder of the development of hydraulic technology for the purpose of delivering and controlling water as a source of mechanical power. The dyke is especially noteworthy in that it has been in more or less continuous operation since its completion in 1849 and, although it is not presently used to produce power, it remains an operating example of a technology that was once common, especially in the northeastern United States.

The idea of building a hydraulic canal in Fayetteville was first conceived in 1836. There are about 100 feet of natural fall from within the village down to the level of nearby Limestone Creek. It was thought that if water could be diverted from some point upstream into the village, the 100 feet of natural fall obtaining in returning the water to the creek would provide a usable source of vital water power. Two other similar projects were also undertaken by the village, an underground wooden flume leading from Bishops Brook (actually a 42 to 48-inch diameter wood stove pipe), and another hydraulic canal about one-half mile in length paralleling Limestone Creek below the south end of the village. This canal was called Reiley's Dyke, or the Lowville Narrow Canal. Neither of these two structures remains, although portions of the wood stove pipe are unearthed occasionally during construction.

The Ledyard Dyke is an operational example of the high level of hydraulic technology available in the early nineteenth century for the harnessing and control of the water resource for the production of mechanical power. It attests to the importance water power once held in the development and operation of American industry.

When water power was replaced by electric and steam power, the dyke lost its industrial importance. In the early years of the twentieth century, Charles Mulford Robinson, a Rochester landscape architect, saw its scenic beauty and in a report to the Fayetteville Park Commission proposed the creation of a park system with the dyke as its central feature.

* Written by Evamaria Hardin and Dr. William P. Tully, consultants to the Fayetteville Heritage Association. As stated in a rough draft report submitted to the Association on July 23, 1980.

THE LEDYARD CANAL COMMITTEE

Background and Activities

A committee was appointed by Marian S. Loosman, Mayor, Village of Fayetteville on September 24, 1992. The members of the committee are Mr. Thomas O'Shea, Chairperson, Mr. Malcom Bender, Mr. Donald W. Lake, Jr. (Manlius resident), Mr. Nick Paradiso (Manlius resident), and Mrs. Wendi Richards. This committee was asked to assess the physical condition of the existing canal and its sources of water for quantity and quality.

Meetings began in September with field inventories starting on September 26, 1992. Extensive searches were initiated to obtain information on the canal that had previously been published. Collected were newspaper articles, reports of historical background and technical data, tax maps of the villages of Fayetteville and Manlius and the Town of Manlius, strip maps of the Ledyard Canal, property ownership lists, and information on stormwater drainage as well as locations of sanitary sewer lines near the canal. A complete listing of resource persons is provided in appendix I.

Our field data collection activities included walking the length of the canal from Beard Park to its point of origin and recording physical data concerning the canal. This information included typical geometry of the channel, estimate of organic sediment depth, size and location of stormwater conduits entering the canal, appurtenant structures, significant vegetation and areas of social modification such as encroachment. Areas where seepage was discovered were noted and measured. Water samples were taken at specific locations to evaluate water quality parameters. Three cross-sections of the canal were surveyed to determine the canal geometry and are included in appendix III. A video tape

was made of the most significant locations along the Ledyard Canal to assist in documenting the resources inventory.

Resources Inventory

The average width of the canal at the water line was approximately 22 feet. The canal depth is about 3 feet of which 2 feet is organic sediment. A summary of the inventory is contained on the maps in appendix IV. Items of significant note are the surface drainage from the Fayetteville-Manlius School District bus garage that flows directly into the canal. Further upstream on the east bank behind Fayetteville Elementary School is an oak tree that is 17 feet 6 inches in circumference. This tree has a plaque erected to it in an adjacent field. Just north of Rt. 92 there is a section of the canal that contains a wide section of shallow water which had ducks and geese living there. In general, the section of the Ledyard Canal from Rt. 92 north to Beard Park is in reasonably sound physical condition. Vegetation has overgrown much of the area along the banks and is a source of the large amount of organic material in the canal bottom.

The section of the canal from Rt. 92 south to its point of origin behind Candy Lane is in generally very poor condition. Seepage was evident at a number of locations at Ledyard Drive along the west slope of the canal. A total of 17 gallons per minute was measured at the toe of the slope. Further south (upstream) there is an extreme restriction. At Carey Drive and Candy Lane the channel cross-section goes from 22 feet to 5 feet at the water line due to a landowner's encroachment on the canal. Approximately two hundred yards upstream from the restriction is located a 55 foot long 36 inch diameter steel conduit placed by the Village of Fayetteville to repair a breach in 1991. A seepage rate of 12 gpm was measured at this location. About two hundred feet downstream from the beginning of the

canal a leak was found. Water was exiting the canal through the slope down to Limestone Creek at a rate of 26 gpm. It was noted that areas of the high bank overlooking Limestone Creek that supported sections of the former canal exhibited erosion at the base of the slope and vegetation had slid down the bank at several locations.

Flow Rates

Flow rates were estimated at four locations. For piped flows, flow estimates were made using depth of flow and pipe diameter measurements. Leakage flow rates were estimated by directing leakage to a trough and then using a stop watch and gallon bucket to time the flow volume. Repeated same-day trials were made and average values determined as shown in the accompanying table.

| <u>Location</u> | <u>Flow Rate (gal/min) on 10/31/92</u> |
|--|--|
| 10" diam. inlet to canal (from Center Pond) | 144 |
| 24" diam. storm inlets (2) to canal | * |
| 36" diam. temporary repair (total canal flow) | 211 |
| Leak 200' beyond inlet (behind Stickley) | 26 |
| Combined leakage at temporary repair | 12 |

* undetermined, variable, comprised approximately 2/3 of total inlet flow based on sampling results taken November 20, 1992.

Dye testing was performed at the temporary repair site to determine if the canal is the source of leakage. The dye used is the type used by sewer maintenance personnel to detect

Dissolved oxygen values of at least 5 mg/L are required for maintaining aquatic life and preventing undesirable odors. The measured dissolved oxygen values are well above this minimum but do show a reduction of 4 mg/L from canal inlet to outlet. Dissolved oxygen values can be appreciably lower in the summer months when bacterial are more active. It was not determined to what extent the decaying sediments contribute to lowering the dissolved oxygen. Increased flow rate will increase the dissolved oxygen to some extent.

Ammonia is toxic to aquatic life and was shown to increase along the canal's length minimally. The measured values show acceptable levels. Conductivity can assist in determining the relative flow contribution from different water sources that combine. This was used at the canal inlet to estimate flow contribution from the 24" storm pipes.

Areas of potential poor water quality were identified. The runoff from the bus garage introduces considerable salt, gravel and oil-based products to the canal. Storm sewers also contribute similar road wastes. Refuse piles adjacent to the canal produce runoff with high oxygen demands.

Public Utilities

There are various public sanitary sewer mains that either cross under or run parallel to the canal. These are in the vicinity of Ledyard Drive, Candy Lane and Highbridge Road. It doesn't appear that any sewage is intermixing with the canal waters. Electric and communications lines, gas lines and water mains rarely run on canal property. These have no obvious ill effect. (Note: Before anyone does any digging call U.F.P.O. at 437-7333 for help in finding and marking these lines.)

Storm water is introduced to the canal at many places indirectly and by at least six direct storm sewer connections. As a result the quantity of water supplied by these sources

leakage. It was found that the leakage from near both ends of the temporary repair pipe is from the canal. However, it could not be determined using dye that the seepage occurring under the center of the pipe is from the canal. The soil appears very saturated at this point. This area under the pipe contributes approximately two-thirds of the total leakage from this site.

Water Quality

A general determination of water quality along the canal was made by sampling the water at nine locations. Dissolved oxygen (D.O.), temperature and conductivity were measured on site by an experienced sampler using a meter. Samples of water were analyzed for ammonia in a laboratory (State University of New York College of Environmental Science and Forestry). The results taken on November 20, 1992 are shown in the accompanying table.

| <u>Location</u> | <u>D.O.</u> <u>(mg/L)</u> | <u>Temp.</u> <u>(C)</u> | <u>Conductivity</u> <u>(usl/cm)</u> | <u>Ammonia</u> <u>(mg/L)</u> |
|--------------------|------------------------------|----------------------------|--|---------------------------------|
| 10" inlet | 12.9 | 5.1 | 958 | 0.004 0.04 |
| 24" inlet (north) | 11.1 | 7.2 | 1897 | * |
| Combined inlet | 11.7 | 6.3 | 1599 | * |
| Temporary repair | 11.0 | 6.1 | 1445 | * |
| Widewaters | 11.0 | 5.0 | 1790 | * |
| Wynridge Drive | 10.1 | 4.2 | 1865 | * |
| Beard Pond inlet | 10.4 | 2.8 | 1862 | * |
| Beard Pond outlet | 8.7 | 3.5 | 1900 | * |
| Downstream of pond | 8.9 | 2.8 | 1880 | 0.05 |

* virtually undetectable differences among these samples.

changes significantly depending upon precipitation characteristics. Highway bridges on Franklin Street, Hunt Lane, and Highbridge Road cross the canal with no apparent problems.

Private Modifications

People have generally taken a "hands off" approach to the 48' wide strip of land the canal is on. Two foot bridges cross the canal—one at Fayetteville Elementary School leading to Wynridge Road and the other connecting two vacant lots between Clark Lane and Ledyard Drive in Manlius. A few fences or hedges have been installed across the property line from neighboring properties. At several locations refuse has been dumped along the canal. One of these locations probably has more refuse than all others combined. Some neighbors have landscaped and done maintenance right up to the waters edge.

Wildlife and Vegetation

The aquatic animal life supported by the canal is mostly in Beard Park Pond. Goldfish under 7", minnows and some tiny insect sized creatures are all there living in the water. On land ducks, geese, chipmunks, squirrels, and at least one great blue heron are present. Many other birds, insects, and animals live near the canal. No evidence of beavers or muskrats were discovered. Deciduous trees and shrubs grow on over half of the canal bank area. Most are native trees such as maple, oak, cherry, ash, basswood, and sumac. Being deciduous trees, their leaves are naturally deposited on the ground around the canal and also in the canal where they settle to the bottom and decay. Aquatic plant life is very rare in the entire canal.

LEDYARD CANAL REPORT

Findings and Recommendations

1. Immediate action should be taken to plug and repair the leak on the west side of the canal some two hundred feet from where the water from Center Pond enters the system.
2. A formal operations and maintenance plan should be developed for the canal. It should specify, as a minimum, that the system be inspected at least twice a year.
3. Cost estimates for slope rebuilding and canal repair at the temporary pipe repair site (Carey Drive and Candy Lane) should be determined as soon as possible.
4. The leakage and seepage which is occurring between Ledyard Drive and Elkhorn Drive should be investigated further by the village engineer to determine the source of the problem and a repair strategy.
5. The Carey Drive homeowner who has added to his backyard by backfilling debris and other matter into the canal should be charged with removing same as soon as possible. The canal is severely restricted at this point and the flow of the canal is greatly impeded. Said removal of this blockage should be supervised by the Village of Fayetteville so that no further damage is done to the clay lining of the canal or the bank areas.

6. Consideration should be given to dredging Beard Park Pond and to rebuilding sections of the stonewall around the pond.
7. Control gates and bulkheads near the Beard Pond inlet should be installed so that water flow into the pond can be regulated. (Engineering plans from Stearns and Wheeler for same are already on file with the village office.)
8. The building lot off of Elkhorn Drive where the seepage is occurring should be considered for purchase by the village as an access or right-of-way to the canal.
9. Since the canal originates in Manlius and a large section is contained therein, joint efforts should be made between the two villages to plan and make improvements.
10. Continuing thought and discussion should be given to using all or part of the canal as a natural strip or linear park that links the two villages. (See appendix II).
11. If and when definite plans are made for the improvement of the canal, homeowners who have property adjacent to the waterway should be consulted and/or informed.
12. Given the significant role that the canal had in the development of our community, concerted efforts should be made to educate the public as to its past and future value.
13. Much historical data related to the Ledyard Canal is in existence. However, it would be most helpful if an individual, or individuals, could compile a new and more

complete compilation. (The canal will be 150 years old in 1999. This would be a good project for the canal's sesquicentennial.)

14. Dissolved oxygen samples should be taken during the summer months so that additional data can be obtained on water quality.
15. Consideration should be given to locating some historical stations along the canal to inform the public about significant features or structures.

APPENDIX VII: 1997 Master Plan Park Plans



LIMESTONE CREEK
RECREATION CORRIDOR

CANAL LANDING PARK

Fietta Land 1

West Elm Street
Parking Lot

New York State
Canal Property

Pratts Lane Extension

Genesee Street
Bridge Property (State)

New York State
Canal Property

Fietta Land 2

Fietta Land 3

Mott
Road
School

Gramlich Bird Preserve

North Street Connector

Washington Park

Ledyard Canal
Property

Fayetteville
Elementary
School

Wellwood
School

HERITAGE PARK

HERITAGE TRAIL

Immaculate
Conception
School *

Grover Cleveland
Honor's Park

Fayetteville
Cemetery *

CENTRAL

BROOKLEA

Village Hall and
Cleveland Park

Pioneer
Cemetery *

Triangle Park

Immaculate
Conception
Cemetery *

Coulter Park

Lafayette Park

BISHOPS BROOK
TRAIL

BROOKSIDE

BISHOPS BROOK
PARK

Shady Lane
Connector

George Wortley
Senior Citizens Campus

Redfield Avenue
Triangle

Golden
Park

Duguid Park

BISHOPS BROOK
TRAIL

0' 1000'

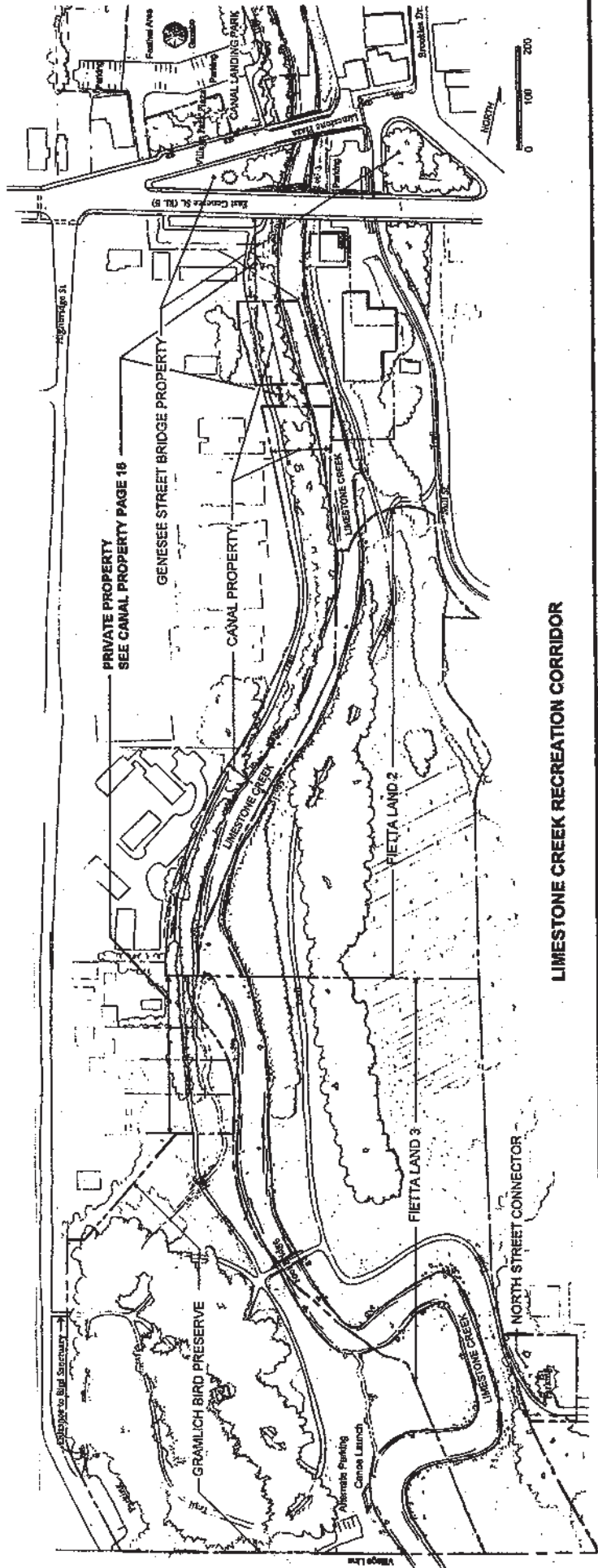
NORTH

- PROPOSED FACILITIES * Indicates private ownership
- PROPOSED NEIGHBORHOOD PARK
- PROPOSED CHILDREN'S PLAY AREA
- Existing Facilities

VILLAGE OF FAYETTEVILLE

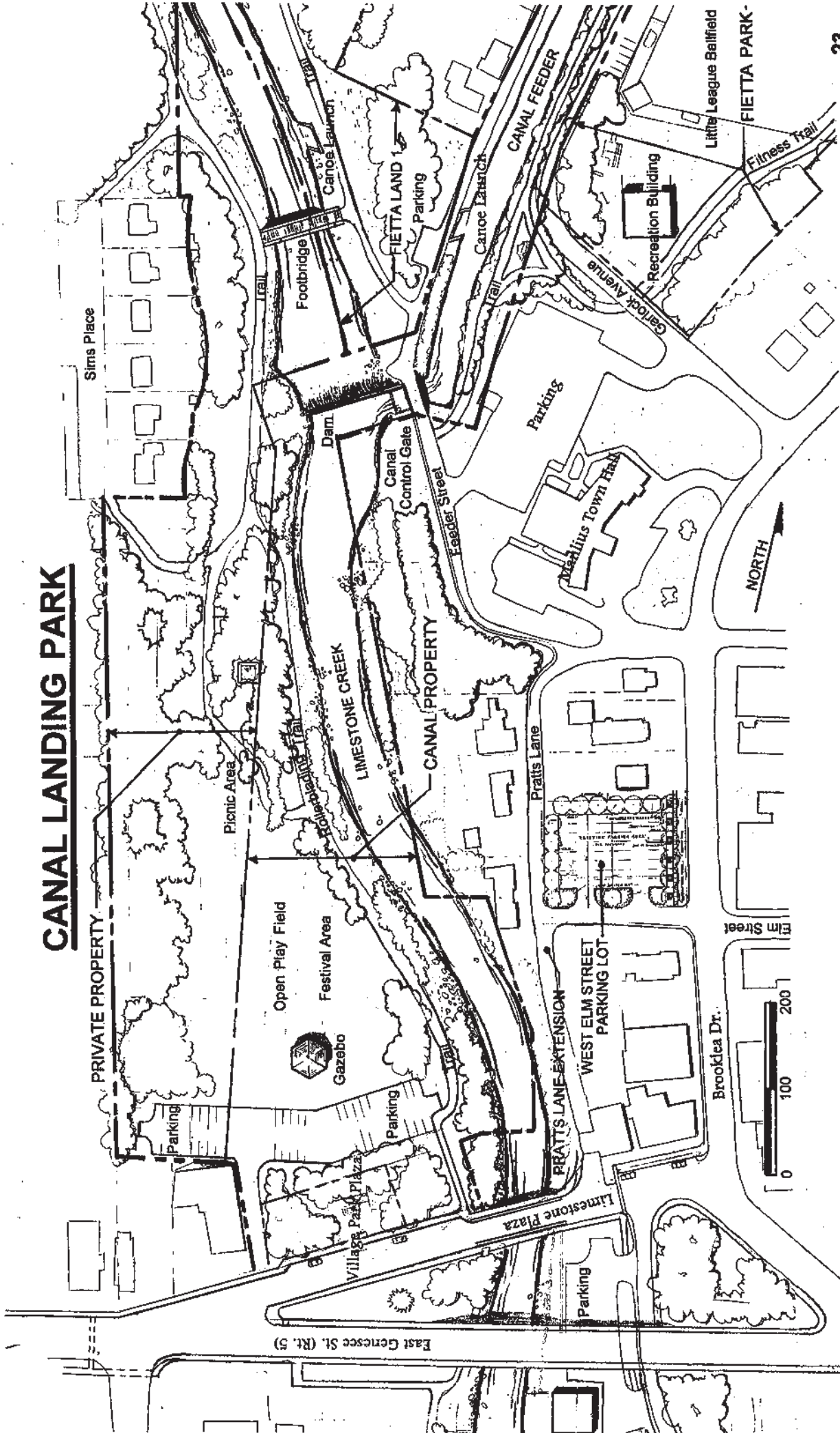
Proposed Recreational Land and Facilities 1997

David W. Tessier - Landscape Architect
8291 #2 Road Manlius New York 13104

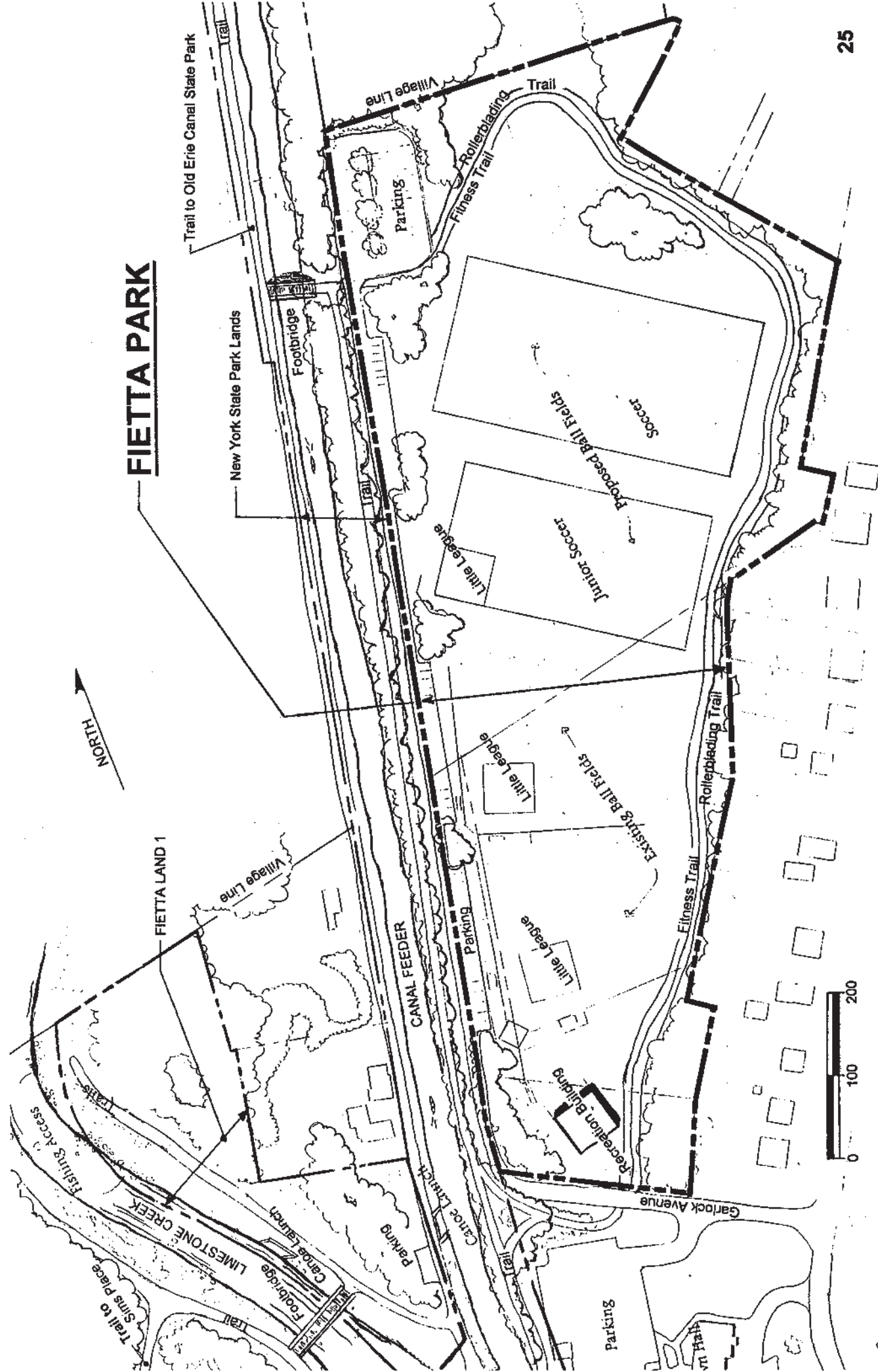


LIMESTONE CREEK RECREATION CORRIDOR

CANAL LANDING PARK



FIETTA PARK



LEDYARD CANAL GREENWAY

in the Villages of
FAYETTEVILLE and MANLIUS
NEW YORK

DECEMBER, 1995
DAVID W. TESLER
LANDSCAPE ARCHITECT

SITE MAP
of the

1945 BREAK
WOOD FLUM
INVERTED SHIP
1957 BREAK
INVERTED SHIP
OVERFLOW WE
LEVEL CONTRO
SITE OF DAM
DESTROYED

11

STICKLEY
FACTORY

७५

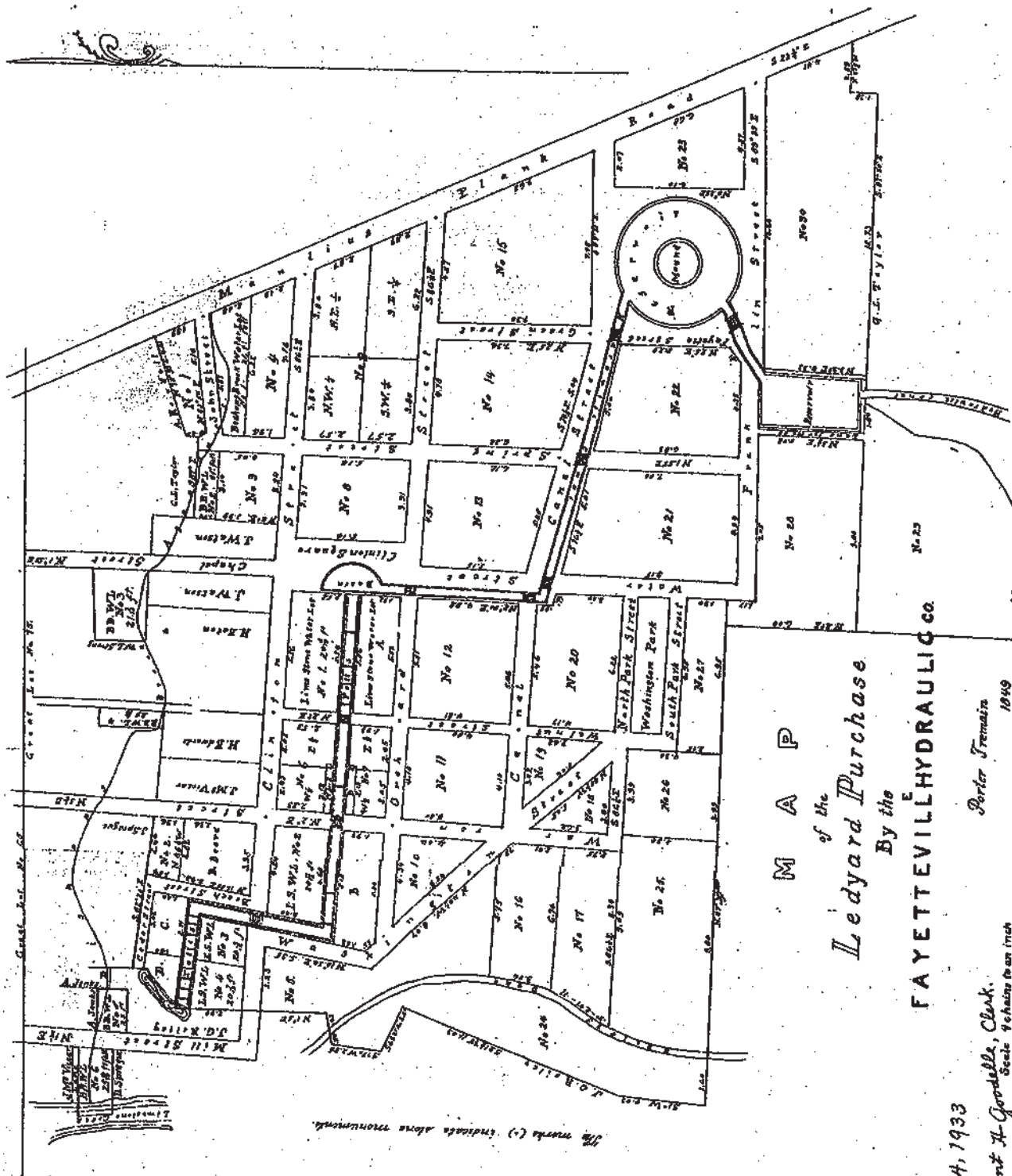
U-EXIS
MA

—CENT

GREEN
VILLA
POND
RE PO

ND

TRAIL
CENTRE

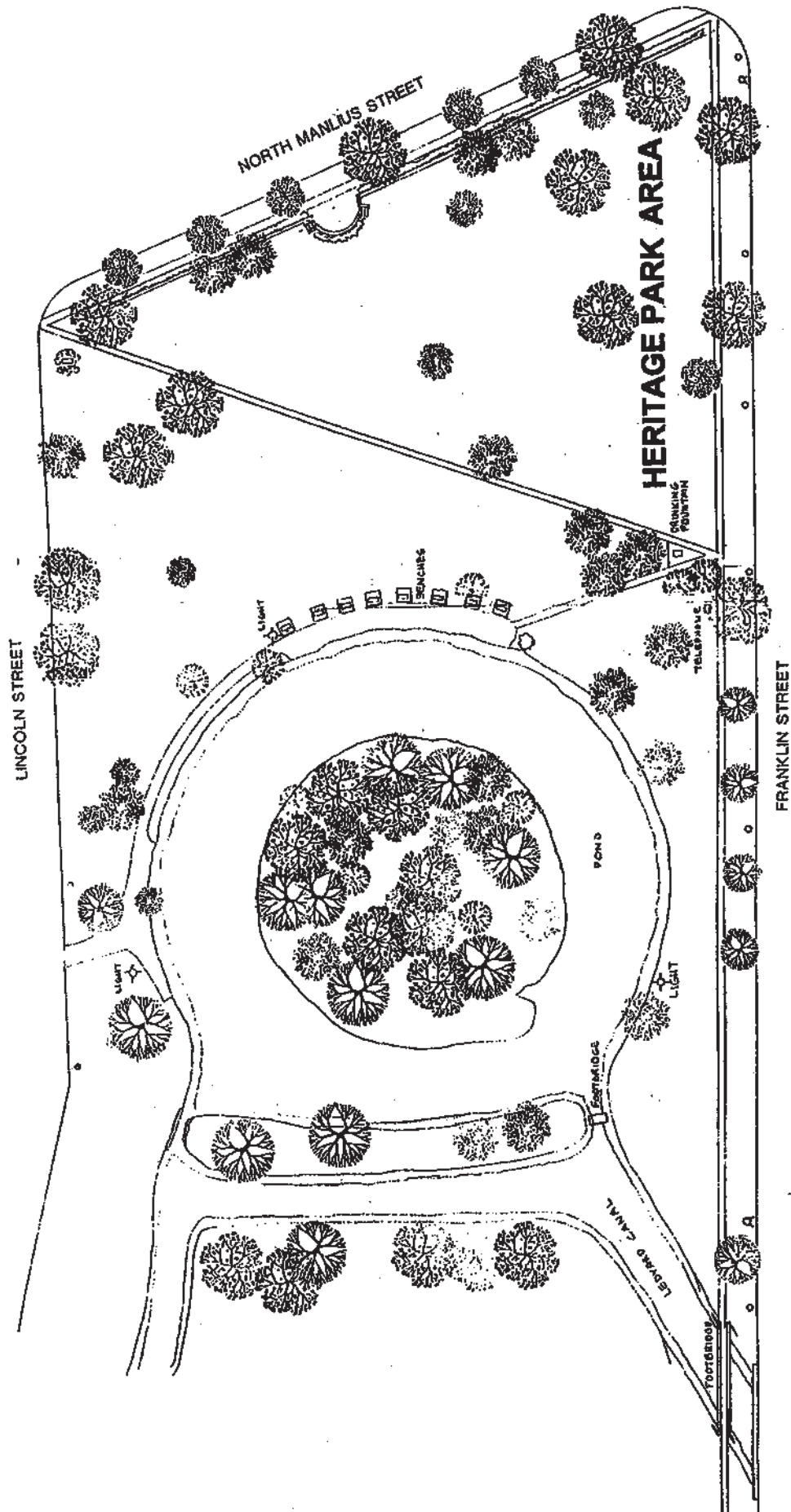


M A P
of the
Ledyard Purchase
By the
FAYETTEVILLE HYDRAULIC CO.

44, 1933

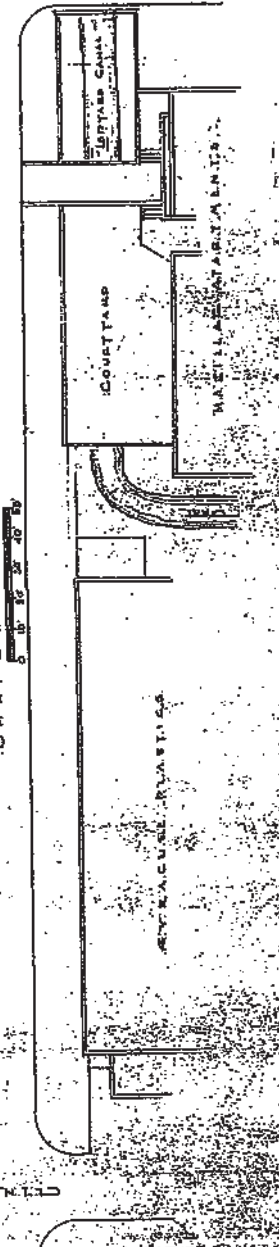
and H. Goodelle, Clerk.
Scale 4 chains to an inch
Porter Tremaine
1849

THE COLLECTION OF THE ONONDAGA HISTORICAL ASSOCIATION

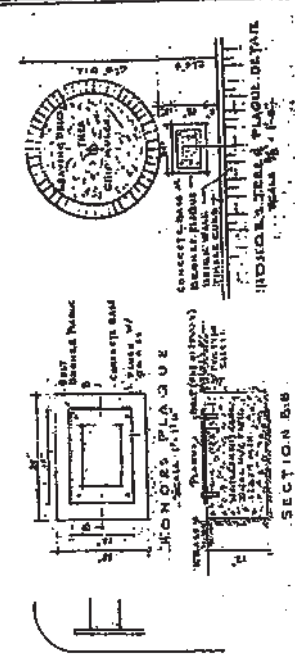
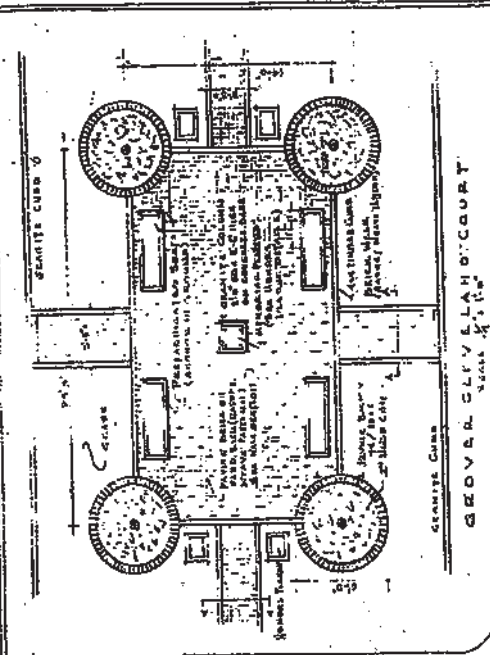


BEARD PARK

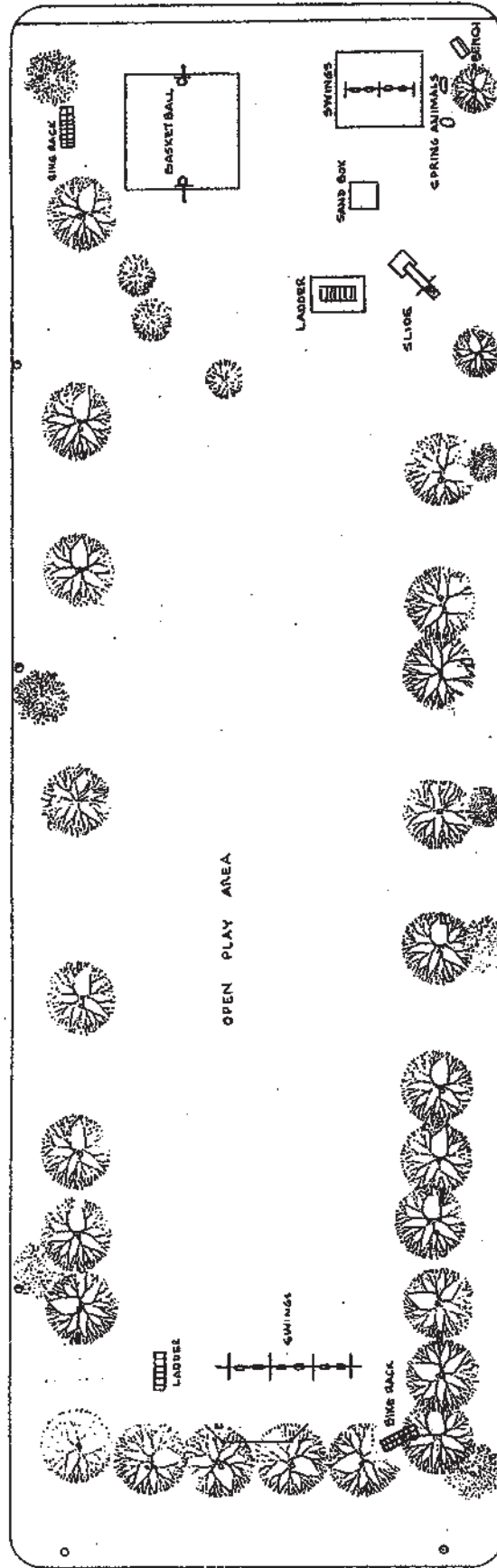
APPROX. SCALE
0 10 20 30 40 50 60 70 80 90 100



SCHWABERSTEIN & MENON SUPPLY CO. MAXVILLE NEW YORK



NORTH PARK STREET



WALNUT STREET

CHAPEL STREET

SOUTH PARK STREET

WASHINGTON PARK

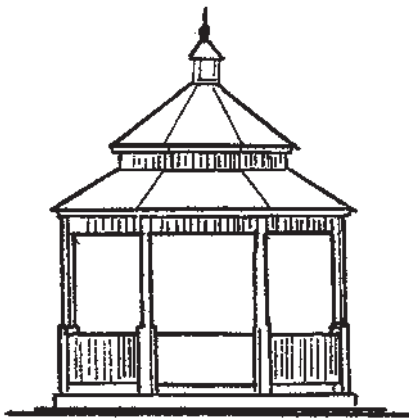
APPROX. SCALE
0 10 20 30 40 50 60 70



TRIANGLE PARK PROPOSED PLAN

1"=20'

NORTH

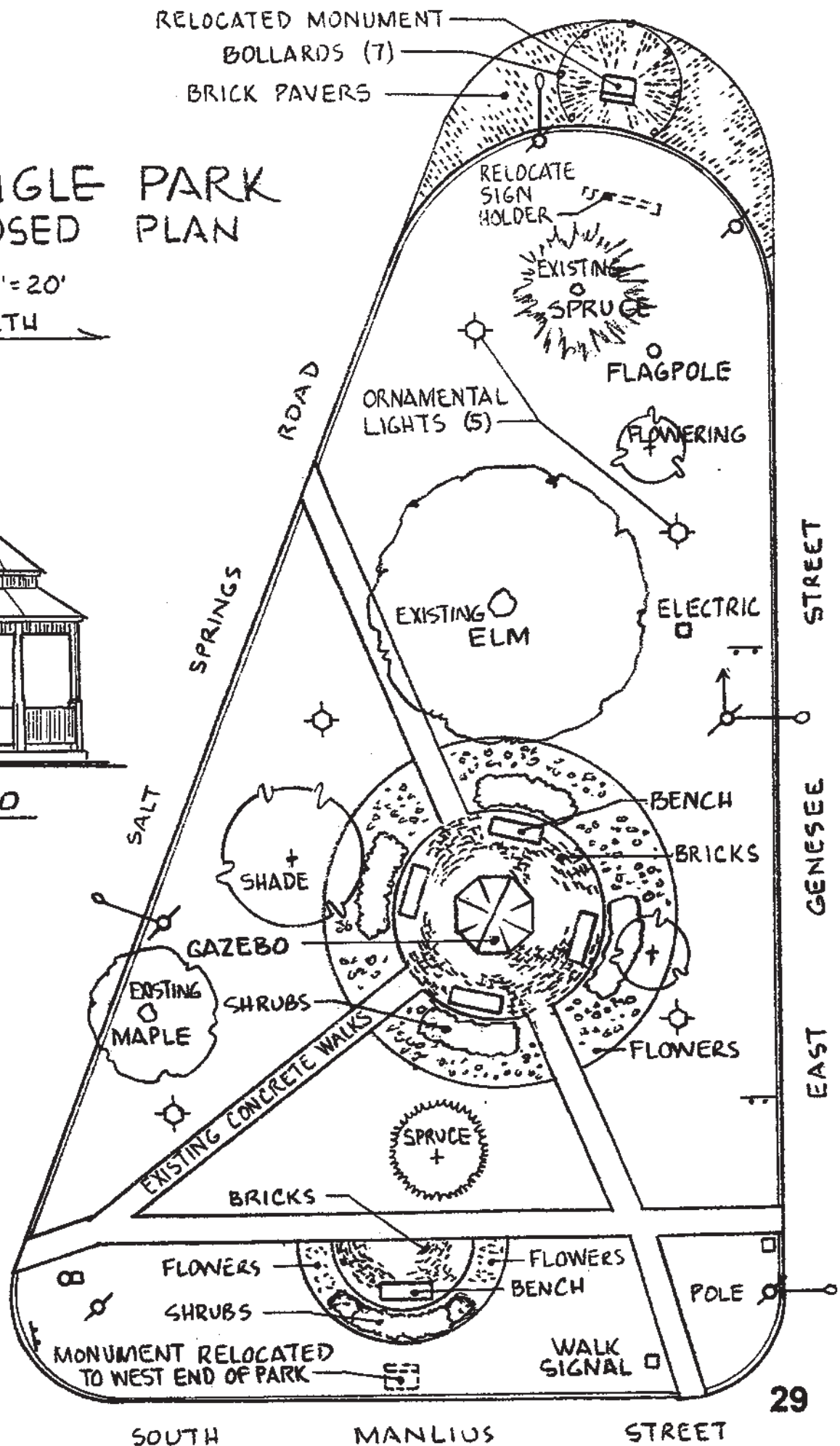


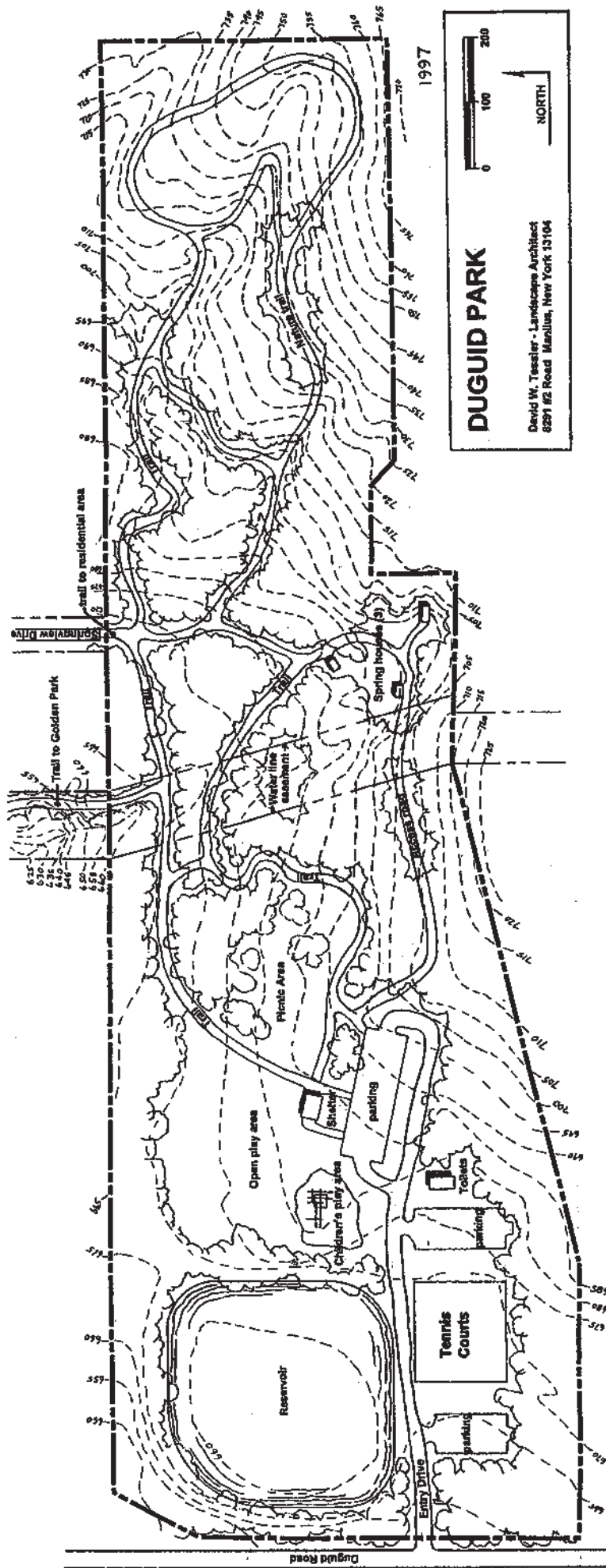
GAZEBO



ORNAMENTAL
LIGHT

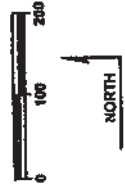
DAVID W. TESSIER
LANDSCAPE ARCHITECT
MAY, 1997





DUGUID PARK

David W. Tessler - Landscape Architect
8291 62 Road Manlius, New York 13104



1997

