



Park and Trail Master Plan

Adopted: March 18, 2014



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I. City of Medina Vision Statement

Medina seeks to provide a safe, healthy and sustainable community for present and future residents through efficient and effective service, while retaining its rural heritage and promoting recreational, residential and business activities.

a. City of Medina Health and Recreation Strategy

Medina plans future parks; maintains and upgrades existing parks with different functions for recreation, sport and exercise and for enjoyment of nature, and recognizes the significance of Morris T. Baker Park to residents' out-door experience. The City develops and maintains trails throughout the community to connect neighborhoods and to encourage walking, jogging and bicycling.

II. City Council

Elizabeth Weir, Mayor

Melissa Martinson, Council Member

Jeff Pederson, Council Member

John Anderson, Council Member

Kathleen Martin, Council Member

Park Commission

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III. Background

Medina is a vibrant and growing community on the western edge of Hennepin County. The City Council and Planning Commission are dedicated to growing the city in a planned and measured way. The Park Commission intends to take a proactive role in this growth by thoughtfully planning future parks and maintaining our current inventory. The Park Commission strives to complement this growth and preserve the unique qualities that make Medina a great place to live, work, and play.

IV. About This Plan

In 2012, the Park Commission embarked on creating a Park and Trail Master Plan to better guide and manage the current system and more effectively plan for future growth. The future trails and parks identified in the plan are locations of both interest and possible opportunity as lands within the City are developed. Thus, it may not be the intent to ultimately create all of the future trails and parks mentioned in the report, but it is the intent to be mindful of the opportunities to enhance the City's recreational lands that may emerge as the City undergoes land use change in future years.

The City's 2010-2030 Comprehensive Plan includes goals, objectives, and policies related to park development, which provide guidance to the Park Commission. This Master Plan has been developed with these six objectives outlined in the Comprehensive Plan in mind:

1. Improve and expand existing facilities, improve handicapped access where possible, correct problems or conflicts where they occur, and provide expanded recreational opportunities where appropriate.
2. Finalize and maintain the community park/playfield facility, Hamel Legion Park, located near the east boundary of the City, where most significant urban land uses exist and are proposed.
3. Provide a variety of recreation opportunities, through park, trails and open-space acquisition and development to serve its residents.
4. Guide development, obtain easements and purchase land within the City to ensure that additional parks and trails are appropriately located as the City grows.
5. Provide funding for park, trail, and open space planning, acquisition, development and maintenance.
6. Maintain cooperative/collaborative relationships with governmental units and recreational organizations both within and adjacent to the City.

a. Goals

The primary goal in the development of the Park and Trail Master Plan was to assess our current inventory, determine existing and future maintenance and enhancements, and create policies for future park and trail growth. The Commission strived to provide much needed guidance to the City regarding our current programs, our immediate and long term needs, and to provide a template for anticipated growth in the park and trail system.

b. Parks and Trails Objectives Summary

Provide well maintained active and passive recreation outdoor spaces for community residents and visitors.

- Maintain current park and trail inventory that serve both neighborhood and community needs.
- Provide an interconnected park and open space system, which correlates with natural features and provides trail linkages throughout the City of Medina

c. Parks and Trails Policies Summary

- To cooperate and collaborate with Three Rivers Park District
- To review and update regularly the following programs:
 - Tobacco-Free City Owned Outdoor Recreational Facilities Program
 - Friends of the Park Program
 - Community Building and Park Facility Rental Programs
- To collaborate and plan accordingly with the current and future stakeholders such as:
 - Athletic Clubs
 - Civic Clubs
 - Church Organizations
 - Youth Groups
 - Lake Associations
 - Other Environmental Groups

V. Park Design Standards and Development Policies

a. Park Definition

A park is considered a parcel or contiguous parcels of land which is owned, operated and maintained by a public agency or private association and which provides recreational land and facilities for the benefit and enjoyment of the residents and visitors of the City. The City of Medina's Comprehensive Plan inventories parks into seven classifications as described on Table 6B of Exhibit G. This plan further describes regional parks, neighborhood parks, mini-parks, pocket parks, and community parks. This plan also includes dog parks as a special feature park and creates a separate category for nature areas.

There are also distinct differences between public and private parks in terms of general use, programs, and amenities.

Public Parks are facilities and areas that serve the general public. Typical facilities include active and passive open space, playground equipment, athletic fields and picnic areas. Public neighborhood parks are owned, operated and maintained by the City. Public neighborhood park sites shall be accessible by an existing or proposed public street and visible to the general public. Whenever possible, park facilities should be located adjacent to other existing or proposed public facilities such as trails, schools, libraries, storm water facilities, open spaces, parks, etc.

Private Parks and recreation facilities are those that serve the immediate subdivision, development or specific planned community in which they are located. Typical facilities include passive and active play areas, tennis courts, basketball courts, and small play structures. Private neighborhood parks and recreation facilities are typically owned and maintained by a homeowners association.

Regional Parks

Regional Parks are large recreation areas that may serve the entire City and beyond. They are large in size and often include a special use facility such as a zoo, golf course, campground or trails and may include significant areas of natural space. Regional Parks are generally designed to accommodate large numbers of people for a variety of day use activities. Regional Parks that are largely in a natural state or designed to reestablish a natural setting may be used to separate various urban uses, protect environmental quality, and provide opportunities for both active and passive outdoor recreation. Linear regional parks can contribute to the City's image of a coordinated park and open space system and can provide a visual and/or functional link between other City parks and open space lands. They may serve as linkages to open space corridors and greenways more regional in nature.

DESIGN POLICIES

1. Parking to serve 100-300 vehicles typical. Gates located at parking lot entrances. Bicycle parking must be provided.
2. Typical development includes: Large play area, sports complexes, basketball courts, trails, picnic areas, golf course, disc golf course, skate courts, bmx areas, tennis courts, pavilions, senior center, recreation center, winter recreation, and restrooms.
3. Should be located near major circulation routes.

Community Parks

Community Parks serve a much larger area and offer more facilities than neighborhood parks. They serve as a focal point for community-wide activities and, as such are intended to provide either the facilities or intensity of activities that are appropriate in the community where noise, lighting, vehicular traffic are appropriate for the neighborhood. They generally provide parking and restroom facilities. Where there are no neighborhood parks, community parks can also provide that function. A Community Park, depending on size, visual character, natural determinant factors, or location can address one or more of the following recreational needs of the community:

- Areas intended to provide diversity of either structured or non-structured outdoor recreation activities. May include facilities such as athletic fields, play areas, waterfront, swimming pools, community gardens, skating area, or outdoor amphitheaters. In some community parks, active recreation facilities can be the focal point of the park. In these instances, parking facilities can become quite large.
- Areas intended to address the needs for indoor recreation activities. These may include gyms, fitness facilities, meeting space, classrooms, game rooms, swimming pools, theaters, recreation centers.

Community Parks may contain certain park components benefiting adjacent neighborhoods if there are no neighborhood parks serving those residents. The intent is to make accessible to the community a wide variety of recreational opportunities through an appropriate distribution of activities and facilities. Community Parks should be served by arterial or collector streets and be accessible.

DESIGN POLICIES

1. Minimum size should be ten acres.
2. At least 2/3 of the site should be available for active recreation use.
3. Appropriate facilities such as: formal sports fields – softball, baseball, soccer, tennis courts, sand or grass volleyball courts, community gardens, open grass areas, restrooms, picnic facilities, trails, basketball courts, children's play areas and space for special outdoor events.
4. Parking requirements depend upon facilities provided. An appropriate number of ADA van accessible spaces are to be provided. Bicycle parking should be provided.

Neighborhood Parks

Neighborhood Parks should be equitably distributed throughout the City of Medina to serve citizens close to home. They are small in size (up to ten acres), which would include mini-parks and pocket parks as defined by the 2010-2030 Comprehensive Plan. Neighborhood parks are used for non-supervised or organized neighborhood recreational activities and generally located in every square mile section (one half mile radius) where residential development occurs. Typically a neighborhood park accommodates a variety of activities such as children's play equipment area, picnic area(s), open grass for passive use, outdoor basketball court, tennis court, multi-use sports fields for soccer and baseball, etc.

DESIGN POLICIES

1. Development of neighborhood parks should be aimed to achieve a balance between active and passive park uses. For this reason, neighborhood parks should be located on a site that has some natural aesthetic appeal and is predominately flat.
2. Active recreational facilities in neighborhood parks are intended to be used in an informal and unstructured manner. Appropriate facilities such as: multi-use open fields for soccer and baseball, basketball courts, tennis courts, picnic areas, children's play areas, trails, and viewpoints.
3. Restroom facilities are generally not provided, but seasonal satellites are provided.
4. Ease of access and walking distance are critical factors in locating a neighborhood park. Accessibility is usually by way of sidewalks along residential streets or neighborhood trails. The park design should encourage access by foot or bicycle and provide bicycle racks at each primary access point.
5. Parking requirements depend upon facilities provided. An appropriate number of ADA van accessible spaces are to be provided. Bicycle parking should be provided.

Dog Parks

Dog parks fall under the special feature park category. The City of Medina currently does not have any dog parks, but would consider the creation of a dog park in the future if the appropriate piece of land could be identified or acquired. As more homes are being built on small lots within the city, residents with dogs may need a designated fenced-in place to exercise their dogs off leash. The City currently requires that pets in parks be on a leash not more than six feet in length. Acquisitions of land for a dog park should be selected based on the following qualities and criteria:

1. Land available to the City at no or reasonable cost.
2. Easy access by road.
3. One to five acres of mostly dry land.
4. ADA compliant if and as required.

DESIGN POLICIES

1. A four foot high enclosed fence should be built to secure dogs within the park. The fence may have a division to create separate large and small dog areas.
2. Entry into the fenced area will be through a vestibule with double gates to avoid dogs escaping while dog owners open the gate to enter or exit. The gates should be large enough for lawn care equipment to fit through them.
3. One or two benches should be installed.
4. A garbage container and poop bag dispenser should be located near the entrance of the park.
5. Parking should be off of the street and have 8 to 10 spaces and allow room for future expansion.
6. Restroom facilities are generally not provided.
7. If water pipes are easily available and inexpensive to install, a water fountain could be an optional amenity.
8. Lights will not be provided, which will limit the hours of operation from sun rise to sun set each day.

ADDITIONAL CONSIDERATIONS

The following additional considerations should be made prior to the installation of a future dog park:

1. Enforcement
2. Vaccination program
3. Capacity issues
4. Liability issues
5. Resident requirements

CONSTRUCTION COSTS

1. Fence, fence posts and double gates.
2. Development of parking spaces, which could be gravel or paved depending on the site.
3. Purchase of one or two benches.
4. Mounting of bag dispenser and sign for the park rules.
5. Optional concrete entry around gates.
6. Permit costs.

MAINTENANCE COSTS

1. Trash Pick-up once or twice a week.
2. Maintain the surface.
3. Replacing poop bags.
4. Police occasionally patrolling the site.
5. Snow plowing the parking lot.
6. Long-term maintenance costs for fence repair, benches, parking lot, etc.

Nature Areas

Nature areas are areas of natural or ornamental quality for nature-oriented outdoor recreation or areas such as watercourses and wetlands that are preserved for environmental or aesthetic benefits to the community and/or because of the negative environmental or economic effects of development in them. New nature area acquisitions should be selected based on the following qualities and criteria:

1. Protection of the ecological function of lakes, streams, and wetlands as determined by the wetland functions and values assessment
2. Protection of ecologically significant natural areas including moderate to high quality areas as determined by the updated Minnesota Land Cover Classification System (MLCCS) natural resources inventory
3. Protection of connections to parks and other protected lands
4. Protection of important viewsheds including scenic road segments
5. Creation of trails and/or other methods for citizens to view and enjoy open space resources

DESIGN POLICIES

1. Protect, restore and/or enhance the land as closely as possible to its native vegetative communities, control invasive species, and where possible, restore historic hydrology to wetlands on the property.
2. High quality buffers should be used at the site and rain garden demonstration areas are encouraged.
3. Keep parking spaces to a minimum to leave the area as natural as possible.
4. Typically restrooms are not provided at nature areas.

More information on Nature Areas and Open Space can be found in the City of Medina's Open Space Plan that was approved by the City on May 10, 2007.

b. Trail Design Standards and Development Policies

Trails are designed to provide walking, bicycling and other non-motorized recreational opportunities. By providing linkages to other areas and facilities, they also allow safe, non-vehicular options for travel throughout the community. Trails can be designed for single or multiple types of uses. The City designates trails into three classifications: Paved Trails, Unpaved Trails, and Shoulder Trails.

Paved Trails

Paved Trails are intended for multiple uses, are accessible wherever possible, and are located conveniently to connect several community facilities, neighborhoods, scenic features or destinations.

DESIGN POLICIES

1. A paved trail has some separation from a roadway and has approximately an eight to ten foot paved surface width with a one foot clear area on each side of the paved surface.
2. Primary paved trails should have limited road crossings which disrupt the flow and continuity of the trail. For this reason, these trails are often built in greenways, along irrigation or river corridors or along utility easements or abandoned roads or railroads. Road crossings will be signed, identifying the crossing to the motorist and the trail user and designated with a crosswalk at the trail entrances.
3. Secondary paved trails may include segments located on low volume residential streets or sidewalks when separate trail construction is not feasible or necessary.
4. Trail alignments should take into consideration ADA accessibility requirement wherever possible. Maximum gradients on accessible routes should not exceed a longitudinal slope of 5% and a cross slope of 2%.
5. An appropriate amount of parking should be available near the trail on adjacent streets or parking could be provided at a trailhead if necessary.

Unpaved Trails

An unpaved Trail is typically 4-6 feet wide, soft surface trails consisting of native soil, wood chips, or crushed rock. Unpaved trails are typically found in nature areas or connect neighborhoods. These trails are appropriate for pedestrians, equestrian, or off-road bicycle use.

DESIGN POLICIES

1. Special attention should be paid in areas of soft or erodible soils.
2. Trail shoulders should be cleared a minimum 2 feet on both sides and vertical clearance should be 10 feet within the trail and shoulder zone.
3. Equestrian trails should be designated for use by signs and separated from other trails to reduce potential conflict with other user groups. Equestrian trails and other types of trails may parallel each other but should be physically and visually separated by vegetation, a fence, or a combination of the two.
4. Equestrian trails should have linkages to other equestrian trails or equestrian facilities such as horse rings, stables and parks with equestrian facilities.
5. Equestrian trailheads should have parking for vehicles with horse trailers, signs, hitching posts, water, and manure disposal areas and cleanup tools.

Shoulder Trails

Shoulder trails can be paved or unpaved depending on the surface of the road. Shoulder trails are the shoulder portion of a roadway that are designated by signage and/or pavement makings. Paved shoulder trails principal focus is on safe and efficient transportation for bicycles, but can be shared with other trail users. Unpaved shoulder trails principal focus is on safe and efficient equestrian use.

DESIGN POLICIES

1. The development and maintenance of 4-foot roadway shoulders with a standard edge stripe is recommended to significantly improve the safety and convenience for bicyclists and motorists along such routes.
2. Where ever possible, one-way lanes should be located on each shoulder of a public street improvement.
3. Unpaved shoulder trails can be off set on one side to provide a wider trail for equestrian or other uses.

c. Equipment Design Standards and Development Policies

Signage

A comprehensive signage program carried uniformly throughout the parks and trail system is important to providing a consistent message and information to park and trail visitors.

A typical park entrance sign should be a 33" x 78" routed bi-color HDPE (High Density Polyethylene) sign panel mounted on wood posts. The sign panel specifications are as follows:

- 3/4" thick, bi-color tan/brown/tan Densetec HDPE panels
- V-groove auto carved park name
- City logo achieved by flat routing to reveal a brown "City of" and "Medina" and flat routing a "pocket" to accept a full-color logo panel of City's circular logo graphic. Logo panel produced with "Tuff Cover" protective over laminate.

A typical signage program within the park would be a message center that includes information such as park and trail names, direction to features, general information and rules, and ecological stewardship program and interpretive information.

To ensure signage remains an ongoing priority, an annual investment in a signage program is recommended.

Picnic Tables & Benches

Picnic tables and benches in all of the city's active parks are made of recycled plastic and are six or eight feet in length. This material is heavy-duty and very low-maintenance. The city wishes to be consistent in all active parks with these same benches. The city advertises a table or bench donation program. The program enables people to donate a 6 foot bench or picnic table for \$1000 or an 8 foot bench or picnic table for \$1100 to any Medina city park. Donating a bench or table is a personal and generous way to honor a loved one and contribute a lasting gift to the community. A 2.5" x 10" cast-bronze plaque is flush mounted into the bench or table to allow for a short memorial message.

In the city's passive parks, the style of benches and tables is a little more flexible, but should look natural to the setting. A few examples include a stone table and chairs at Tomann Preserve and wood benches at Medina Lake Preserve.

VI. Existing Facilities

- a. **Medina Park System Inventory.** The Medina Park System comprises 11 parks, one regional park preserve, and one State Scientific and Natural Area. Facilities are visited by the Park Commission on a rotating basis during their annual park tour. A broad summary is contained below, followed by a comprehensive review of each park, including planned improvements and maintenance details. The Existing Parks & Trails Map is shown in Exhibit A.

Medina Park System Inventory																							
Parks - City of Medina	Acres	Picnic Facilities	Playground	Softball & Baseball Fields	Soccer Fields or Nets	Basketball	Tennis Court	Volleyball	Playfield	Ice Skating	Warming House	Swimming	Fishing	Boat Landing	Lake Access	Trails	Equestrian Trails	Restrooms	Sliding Hill	Nature Area	Parking	Camping	Golf
Hamel Legion Park 3200 Mill Drive	36.9	x	x	x		x	x	x	x	x	x					x		x	x	x	x		
Holy Name Park 400 County Road 24	2	x											x					x		x	x		
Hunter Lions Park 3195 Hunter Drive	6.8	x	x	x		x	x	x								x		x		x	x		
Lakeshore Park 2975 Lakeshore Avenue	0.9	x	x										x	x	x			x			x		
Maple Park 4400 Maple Street	2.5			x					x									x	x		x		
Medina Lake Preserve East of Bridgewater Development	70															x				x			
Medina Morningside Park 2522 Bobolink Road	2.4	x	x	x		x				x								x			x		
Rainwater Nature Area 400 Hamel Road	5.8															x				x	x		
The Park at Fields of Medina 1200 Meador Road	8.2								x							x							
Tomann Preserve 3112 Pioneer Trail	16	x														x				x			
Walnut Park 4653 Walnut Street	0.5					x				x													
Regional Park Reserve																							
Morris T. Baker Park Reserve 2301 County Road 19	2,700	x	x									x	x	x	x	x	x	x	x	x	x	x	x
State Natural Area																							
Wolsfeld Woods Scientific & Natural Area - Parking at 2060 6th Avenue N.	180														x	x	x			x			

b. Comprehensive Park Summary Sheets

Hamel Legion Park

Location:

This park is located at 3200 Mill Drive, which is just south of Uptown Hamel on the east boundary of the city.

Description:

This community park is almost 40 acres in size and is the largest park in the city's system.

Amenities:

- Basketball court
- Tennis courts (two)
- Sand volleyball court
- Community building (available for rent)
- Fire Pit
- Paved Trails
- Picnic Shelter & Plaza Seating
- Playground Equipment & Play Area
- Skating Rink & Warming House
- Sledding Hill
- Softball Fields
- Baseball Fields
- Little League Fields
- Open Play field



Hamel Legion Park



Holy Name Park

Location:

This park is located at 400 County Road 24 on the south side of Holy Name Lake.

Description:

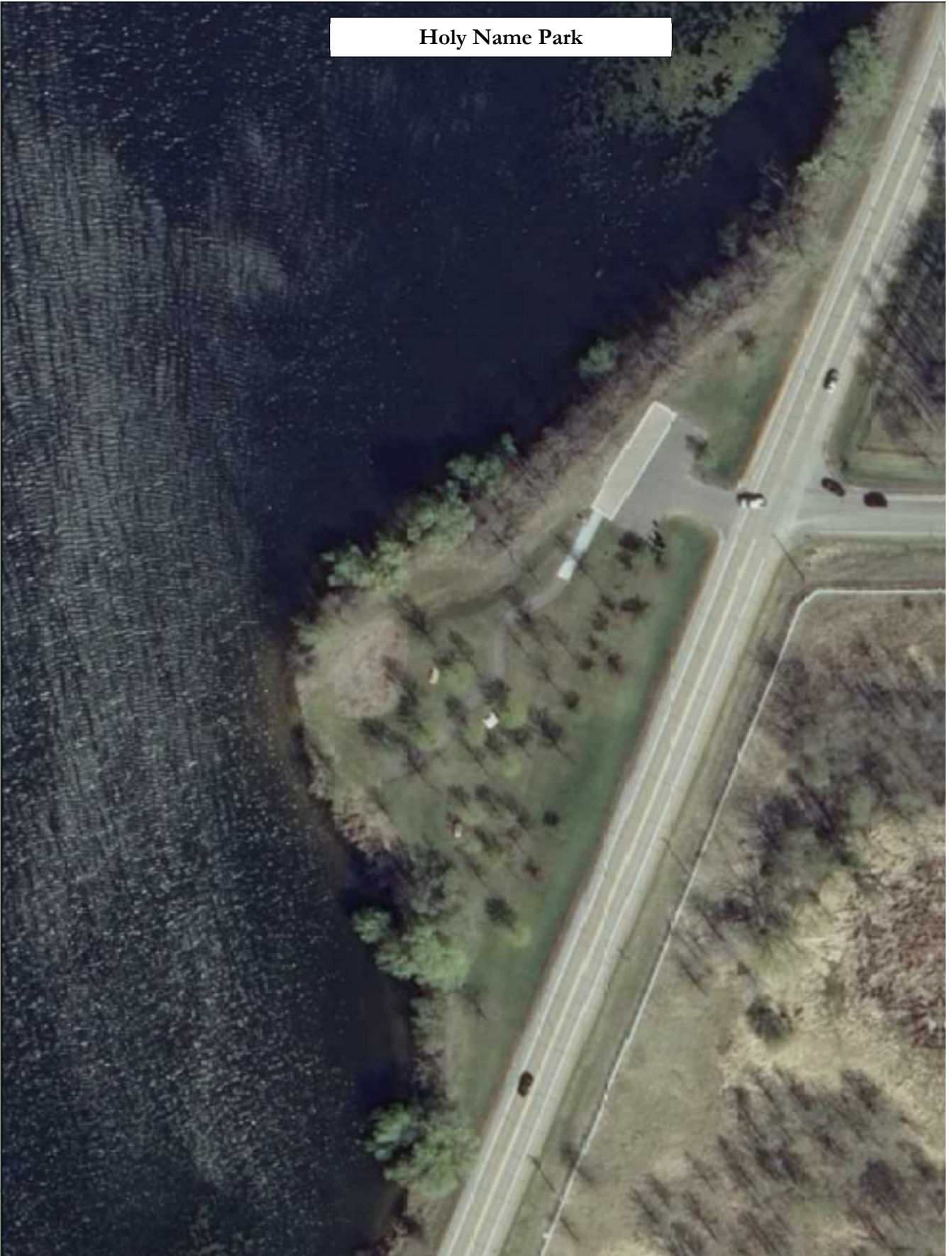
This neighborhood park is 2 acres in size and is located on a major county road. This park was not created to service any concentrated urban development area, but serves several functions as a wayside rest, picnic area, and public use of Holy Name Lake.

Amenities:

- Historical Marker
- Holy Name Lake
- Fishing
- Natural Area & Rain Garden & Interpretive Sign
- Paved Walking Path
- Picnic Tables & Benches



Holy Name Park



Hunter Lions Park

Location:

This park is located at 3195 Hunter Drive in the Hunter Farms subdivision.

Description:

This neighborhood park is 6.8 acres in size and mainly serves the residential properties south of Hamel Road to the east and west of Hunter Drive.

Amenities:

- Playground Equipment
- Picnic Shelter
- Baseball Diamond
- Basketball Court
- Tennis Court
- Volleyball Court
- Walking Path to Prairie Area





Lakeshore Park

Location:

This park is located at 2975 Lakeshore Avenue situated on the east side of Lake Independence.

Description:

This neighborhood park is less than one acre in size and serves the Independence Beach area of the City and provides a boat access to the lake for residents through a permit process to make sure residents are educated on Aquatic Invasive Species.

Amenities:

- Fishing Pier on Lake Independence
- Lake Access and Restricted Parking
- Picnic Shelter
- Playground Equipment





Maple Park

Location:

This park is located at 4400 Maple Street just off County Road 19.

Description:

This neighborhood park is 2.5 acres in size and serves the Independence Beach area of the City in conjunction with the two other parks in the area.

Amenities:

- Open Playfield
- Sledding Hill
- Softball Field





Medina Lake Preserve

Location:

This nature area is located on the east side of the Bridgewater at Lake Medina subdivision abutting Lake Medina.

Description:

This nature area is approximately 70 acres that includes a portion of Lake Medina and several surrounding acres. This area provides a wildlife habitat and is a beautiful asset to the city, but it mainly serves the Bridgewater at Lake Medina subdivision, because its only access is by crossing a walking bridge over the wetlands. This is the headwaters of Elm Creek, an impaired water.

Amenities:

- Walking paths around the woods
- Prairie Grass
- Wetlands
- Wooded Area
- Benches
- Bird Houses/Wildlife Habitat





Medina Morningside Park

Location:

This park is located at 2522 Bobolink Road in the middle of the Medina Morningside subdivision, which is located near the southern border of the city.

Description:

This neighborhood park is 2.4 acres in size and mainly serves the Medina Morningside and Keller Estates subdivisions.

Amenities:

- Playground Equipment
- Picnic Shelter
- Small Baseball Diamond
- Basketball Hoop
- Open play area
- Ice Skating





Rainwater Nature Area

Location:

This nature area is located at 400 Hamel Road on the western edge of Uptown Hamel.

Description:

This nature area is 5.8 acres of undeveloped land in the Uptown Hamel neighborhood providing a nature preserve in an urban area.

Amenities:

- Elm Creek
- Walking path
- Natural open space
- Wetlands
- Bird houses
- Wildlife habitat viewing





The Park at Fields of Medina

Location:

This park is located at 1200 Meander Road, between the Fields of Medina and Fields of Medina West subdivisions.

Description:

This neighborhood park is 8.2 acres in size and will serve the residents in the surrounding subdivisions and future planned subdivisions in the area.

Amenities:

- Open play area

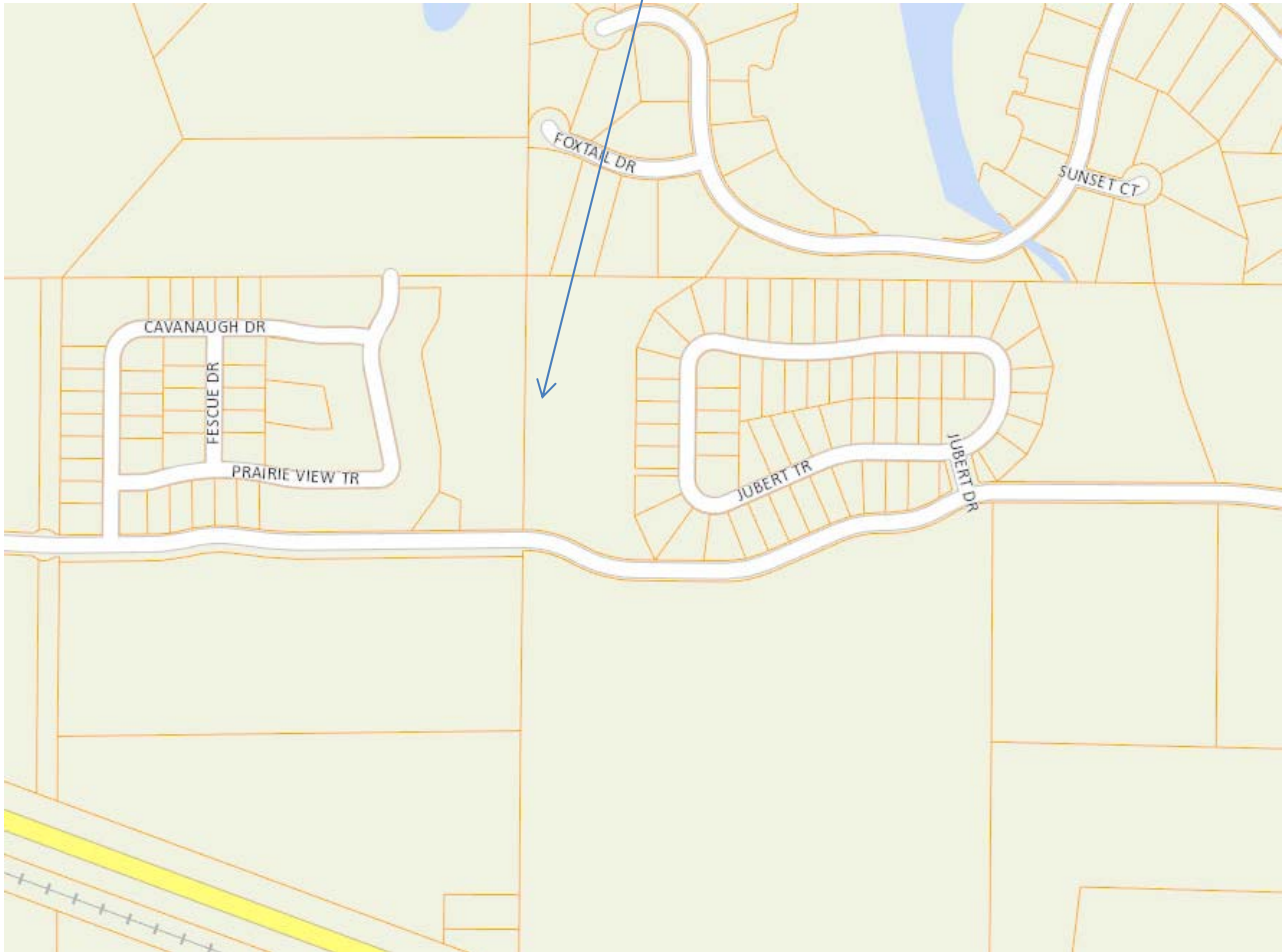
Programmed Improvements:

2014

- Grade and seed the park
- Trails and sidewalks
- Playground equipment
- Picnic shelter
- Parking lot
- Sport Court or other court surface (tennis and/or basketball)



The Park at Fields of Medina



Tomann Preserve

Location:

This nature area is located at 3112 Pioneer Trail in the rural area of the city.

Description:

This nature area is 16 acres of land comprised of wetlands and uplands which were historically located in what is called the “Big Woods” ecosystem as part of the deciduous forest biome.

Amenities:

- Natural Picnic Area
- Walking Paths
- Birdhouses
- Wildlife Viewing





Walnut Park

Location:

This park is located at 4653 Walnut Street in the middle of the Independence Beach neighborhood.

Description:

This neighborhood park is approximately half an acre in size and serves as a drainage area and seasonal park. It filters the water from the Independence Beach neighborhood through drain tiles before going into the lake.

Amenities:

- Basketball Hoop
- Skating Rink



Walnut Park



c. Private Parks owned by Homeowner Associations

Bridgewater, The Enclave, Foxberry Farms, Tuckborough Farms, Northridge Farms, and Wild Meadows all have parks that are owned and maintained by the respective homeowners associations and supplement the City of Medina's park system. These parks are typically posted as private parks only serving the residents within each respective development. Even though the parks are private, they still provide recreation and open space to meet the needs of their development.

d. Regional Parks

Medina's park system includes one regional park preserve, Three Rivers Park District's Baker Park Reserve, and one Department of Natural Resources state facility, Wolsfeld Woods Scientific and Natural Area (SNA). These facilities play a significant role in the City of Medina's and Metropolitan Area's park systems, providing both active and passive recreational opportunities and fulfilling some of the local need for community parks and conservancy lands.

VII. Future Facility Development

As development occurs within the City, the Park Commission advises staff and the Council on recommended courses of action. The Commission seeks input from the City Planner, staff, the Planning Commission, and various community stakeholders.

Each new opportunity within the City is evaluated based upon the current system and our priorities, which are discussed and modified annually. Several areas have been identified as future park land opportunities and trail options.

Annually the Commission conducts a park and trail tour, sets priorities based on new developments, and reaffirms the future park and trail priority plan.

The Future Facility Planning Map is shown in Exhibit B. This map shows existing and future home sites, existing and two potential future park locations, and existing and planned trails. The existing and planned parks have a highlighted area around them within ½ mile in red and 1 mile in tan to illustrate the radius of residents these parks will serve. Existing private parks in existing communities help close the gaps for some residents.

VIII. General Funding Considerations

To date, general funding for parks and trails has been provided by park dedication fees assessed when property is subdivided. This policy will no longer be adequate in the future due to the restrictions on development in the City. If the City is to construct parks and trails, other sources of funds should be evaluated. The following sources are suggested as possible sources of funding:

1. **Park Dedication Fees/Land** – It is imperative that easements and land be obtained for parks and trails as soon as possible. At a minimum, a portion of the park dedication fees from a development should be used for the trails connecting that area to parks and recreational amenities within 5 miles of the development.
2. **Referendum** – Another option to pursue would be a referendum for a set amount of money, or an amount per housing unit, annually for maintaining and developing parks and trails.
3. **Incentives** – The City should work with the tax assessor and city attorney to determine if an incentive to provide trail easements or land donations might be found by a reduction in the value of the property for tax purposes. If this is not a possibility, then the City should pursue creative options to provide incentives to residents for the use of their property.
4. **Grants** – The City should explore all available grant programs to determine whether monies may be available for parks and trails. Where trails may connect with adjoining cities, joint applications with the adjoining cities should be pursued in an effort to improve the likelihood of a successful application.
5. **Fund Raising** – The City has been very successful raising private donations for the construction of the Hamel Legion Park facilities. This success may be attributed to many factors including, but not limited to:
 - a) The community's desire to have certain facilities within the City;
 - b) The general desire of citizens to make contributions back to the community; and
 - c) The community's desire to recognize or memorialize certain individuals and organizations through the use of plaques and naming rights.

As with Hamel Legion Park, the community may wish to donate monies to fund the construction of dedicated trails in return for naming rights, signified by donor recognition signs.

a. Park Dedication Fund

Any proposed subdivision of land in the city of Medina, shall be reviewed by the Medina Park Commission. The land will be reviewed to determine if land should be dedicated for park purposes, trail easements and/or cash-in-lieu.

According to the City's subdivision ordinance, the City can require the following for park dedication:

- 1) Up to 10% of the buildable (non-wetland) land;
- 2) Cash-in-lieu – 8% of the pre-developed market value subject to a minimum of \$3500 per unit and maximum of \$8000 per unit; or
- 3) Combination of the above.

IX. Cost Projections: Construction Costs & Capital Maintenance Costs

The intended use of the cost projections is to aid the Park Commission and City Council in developing an overall funding and implementation strategy, including:

- Defining the potential magnitude of the public investment needed to develop the system to its optimal level
- Comparing the relative cost of one park or trail improvement over that of another
- Determining the level of service threshold that the community is willing to support with local funding
- Prioritizing and budgeting for capital improvement initiatives based on funding availability.

The construction cost and maintenance cost analysis charts on the next few pages were created using 2013 figures. These cost projections should be updated on a periodic basis to stay in alignment with potential cost increases over time and to factor in costs to replace items that will wear out over time.

The construction costs chart shows that the build out of all of the planned infrastructure would cost roughly \$18.5 million dollars. According to the current Comprehensive Plan, when the entire city is built out, the City will have received approximately \$14.7 million dollars in Park Dedication funds. This will happen over the next 20 to 30 years.

The maintenance cost analysis shows the annual maintenance costs of each of the planned improvements, but does not include the cost for additional staffing or programming. The ultimate annualized rehabilitation cost is the amount of money the City should be budgeting annually to replace equipment once its lifespan runs out.

Construction Costs (updated 5/15/2013)

Trails

Surface	Linear Feet	Miles	Cost/Mile	Cost
Paved	135,215.92	25.61	200,000.00	5,121,815.15
Shoulder	49,076.12	9.29	100,000.00	929,471.97
Turf	62,054.17	11.75	25,000.00	293,817.09
Navajo Road conversion)				97,162.00
Easement Acquisition		20.0000	250,000	\$5,000,000.00
				\$11,442,266.21

Parks

New Parks:	Units	#	Cost/Unit (Low)	Cost/Unit (High)	Total Cost (Low)	Total Cost (High)
Land (active)	Acre	30	80,000	120,000	\$2,400,000.00	\$3,600,000.00
Land (passive)	Acre	20	50,000	70,000	\$1,000,000.00	\$1,400,000.00
Preparation (grading, stormwater, landscaping)	Acre	45	15,000	30,000	\$675,000.00	\$1,350,000.00
Playground Equip	Set	4	75,000	120,000	\$300,000.00	\$480,000.00
Walking Paths	Linear Foot	6,400	35	50	\$224,000.00	\$320,000.00
Baseball Fields	Field	1	20,000	60,000	\$20,000.00	\$60,000.00
Basketball Court	Court	4	20,000	30,000	\$80,000.00	\$120,000.00
Tennis Court (2 courts with fence)	2 Courts	2	70,000	100,000	\$140,000.00	\$200,000.00
Water Fountain	Fountain	4	4,000	5,000	\$16,000.00	\$20,000.00
Picnic Shelters (4 tables)	Shelter	8	20,000	35,000	\$160,000.00	\$280,000.00
Soccer Fields (grading, drainage, nets)	Field	2	25,000	35,000	\$50,000.00	\$70,000.00
Irrigation for fields	Field	4	10,000	20,000	\$40,000.00	\$80,000.00
Sand Volleyball Court	Each	2	5,000	6,000	\$10,000.00	\$12,000.00
Small Restroom Building	Each	0	100,000	125,000	\$0.00	\$0.00
Bleachers (3 rows x 25')	Each	4	4,000	6,000	\$16,000.00	\$24,000.00
					\$5,131,000.00	\$8,016,000.00

(Continued on back)

Identified on Existing CIP:		Cost/Unit	#	Total Cost
Ballfield Lights (City share)		25,000	4	\$100,000.00
Holy Name Dock		10,000	1	\$10,000.00
Hamel Legion Park Parking (City share)		31,250	1	\$31,250.00
Ballfield Irrigation (City share)		3,750	4	\$15,000.00
Future Hockey Rink		100,000	1	\$100,000.00
Hunter Lions - restroom/water fountain		50,000	1	\$50,000.00
Tomann Preserve		5,000	1	\$5,000.00
Rainwater Bridge		60,000	1	\$60,000.00
				\$371,250.00

Identified During Rating:		Cost/Unit	#	Total Cost
Morningside - bury power, landscaping		30,000	1	\$30,000.00
Hunter Lions - bleachers, fencing, parking lot		20,000	1	\$20,000.00
Maple Park - sport court, equipment		75,000	1	\$75,000.00
				\$125,000.00

Total Capital Costs: \$18,512,016.21

Park Dedication

	Units	Dedication/ Unit	
New Households	2500	3500.00	\$8,750,000.00
Commercial	936	6400.00	\$5,990,400.00
\$14,740,400.00			

Capital Maintenance Costs (does not include staffing or programming) - Updated 5/15/2013

		Current	Ultimate	Current Annual Maintenance	Ultimate Annual Maintenance Cost	Ultimate Annualized Rehab Cost
Maintenance Costs:						
Porta-potty (seasonal)	\$400	4	4	\$1,600	\$1,600	
Porta-potty (year-round)	\$800	2	6	\$1,600	\$4,800	
Mowing	\$3,500	8	12	\$17,385	\$31,385	
Weed control/Fertilizer	\$1,000	8	12	\$6,000	\$10,000	
Snow Removal	\$1,500	1	4	\$1,500	\$6,000	
Tennis Courts	\$650	3	7	\$1,950	\$4,550	\$8,750
Basketball Courts	\$650	2	6	\$1,300	\$3,900	\$7,500
Picnic Shelters		5	13			\$8,125
Playground Equipment		4	7			\$35,000
Other Equipment	\$2,500	4	7	\$10,000	\$17,500	\$7,000
				\$41,335	\$79,735	\$66,375

Surface	Linear Feet	Miles	Annual Sealcoat/ Mile	Current Annual Sealcoat Cost	Ultimate Annual Sealcoat Cost	Ultimate Annualized Rehab Cost
Existing						
Paved	40,585.25	7.69	1,200.00	\$9,224	\$9,224	\$25,622
Shoulder	16,257.50	3.08	1,200.00	\$3,695	\$3,695	\$10,264
Turf	2,690.19	0.51				
Navajo Trail Conversion	2,565.08	0.49	1,200.00		\$583	\$1,619
Proposed						
Paved	135,215.92	25.61	1,200.00		\$30,731	\$85,364
Shoulder	49,076.12	9.29	1,200.00		\$11,154	\$30,982
Turf	62,054.17	11.75				
				\$12,919	\$55,386	\$153,851

(in addition to cost of street w/o trail)

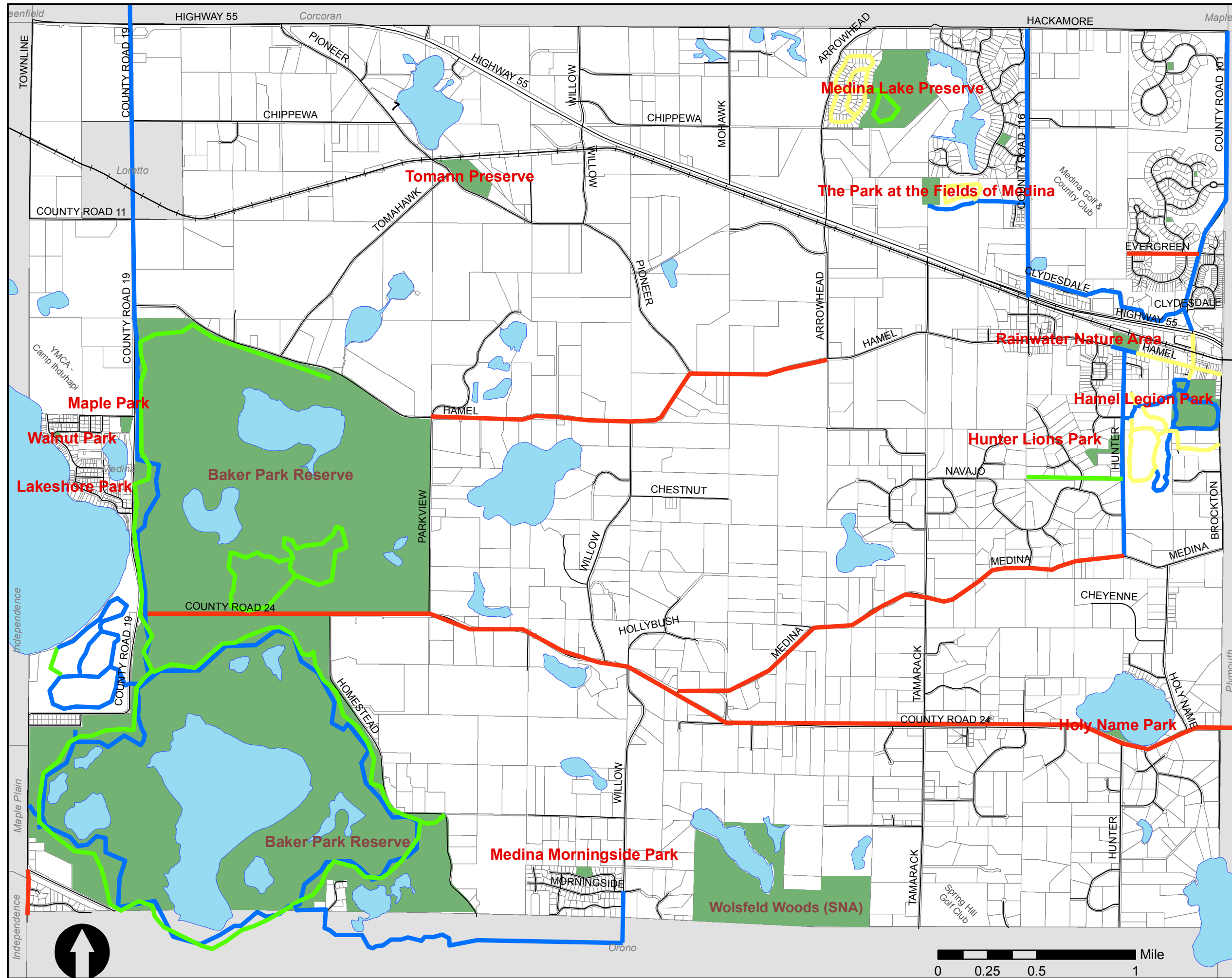
(in addition to cost of street w/o trail)

Total Parks and Trails

\$54,254	\$135,121	\$220,226
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EXHIBIT A

Existing Parks & Trails Map



MEDINA

Existing Park and Trail Map

Legend

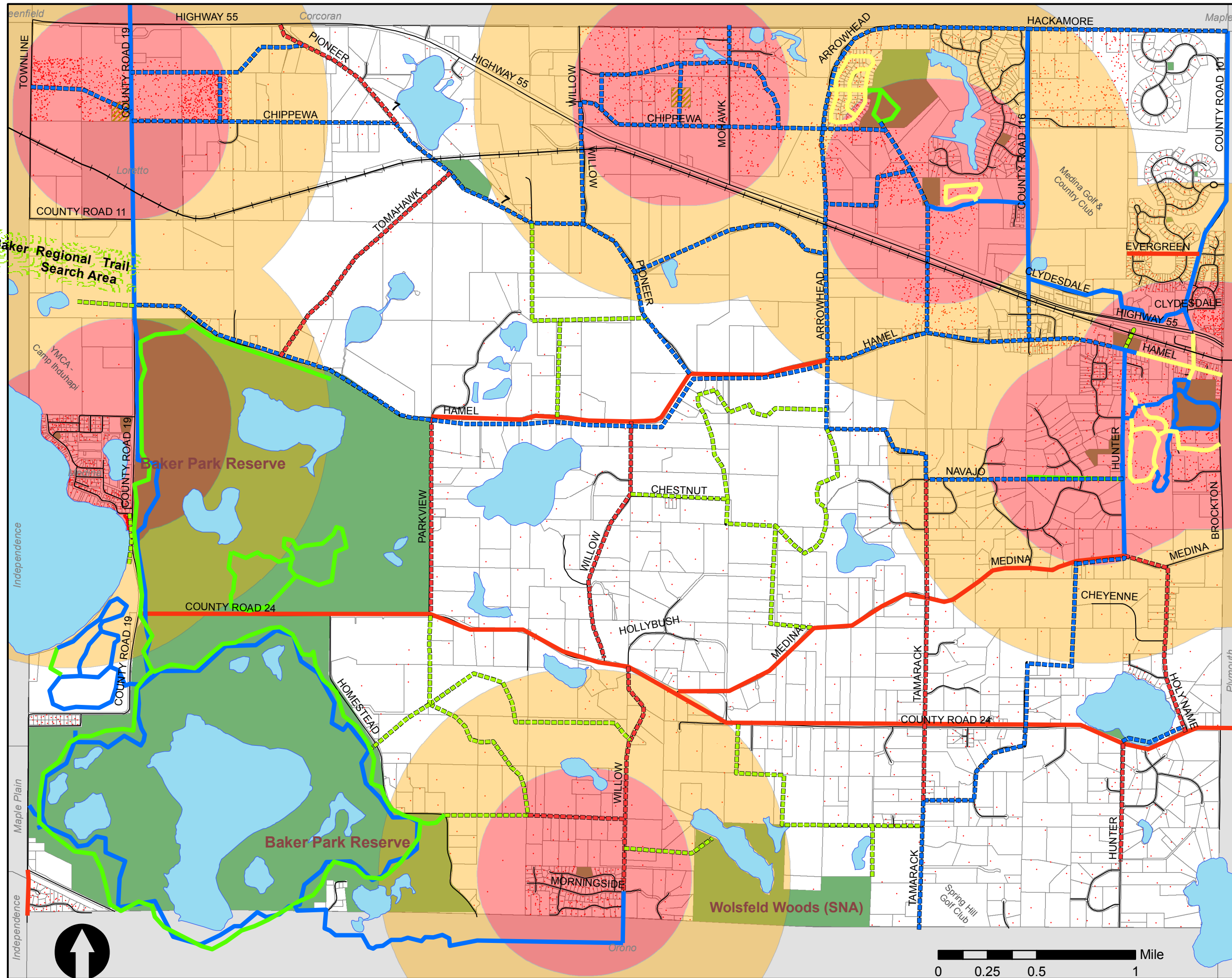
Trail Surface Type

- Paved
- Shoulder
- Turf
- Sidewalk

Map Date: May 14, 2013
Scale: 1:30,000

EXHIBIT B

Future Facility Planning Map



MEDINA

Future Facility Planning Map

Legend

Residential Density

1 Dot = 1 Potential Unit

Distance From Park

1/2 Mile
1 Mile

Parks

Existing Park
Proposed Park

Trail Surface Type

Paved
Shoulder
Turf
Sidewalk

Solid lines denote existing trail segments

Dashed lines denote proposed trail segments

Map Date: May 14, 2013

Scale: 1:30,000

EXHIBIT C

Trail Plan & Map

City of Medina

TRAIL PLAN

May 15, 2013

Prepared by the Medina Park Commission:

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Executive Summary

This Trail Plan examines the proposed trail development plan for the City of Medina and sets forth recommendations. The plan examines the specific needs for each trail, including surface and type. These recommendations are being forwarded to the City Council for further consideration and implementation. The success of this plan depends upon identifying funding sources and subsequently obtaining sufficient funding.

Trail Plan Purpose

This Plan was commissioned by the Medina City Council for the purpose of examining the City's current trail plan and recommending trails as development occurs. Furthermore, the City Council and the Park Commission wish to establish a process that ensures trail priorities and opportunities are reviewed for all development plans submitted to the City.

Trail Plan Guiding Principles

The following principles were utilized by the Park Commission to identify trails. This list is based on goals and objectives stated in the 2010-2030 Comprehensive Plan for Open Spaces and the 2009 Trail Plan, updated to reflect the current concerns and opportunities present in 2013.

1. Support the current Comprehensive Plan and Trail Plan approved in 2009.
2. Secure access to high quality natural areas and areas of scenic beauty (meander off shoulder where possible).
3. Connect neighborhoods to natural infrastructure providing door-step recreational benefits and encouraging active lifestyles.
4. Develop trails that provide for multiple recreational uses.
5. Create trails for citizens to view and enjoy open space resources.
6. Link individual trails to larger network which connects all parts of the City with regional trails and resources.
7. Prioritize creation of trails near current developments or for areas where development is planned in the near term.
8. Remain mindful of fiscal constraints within the City budget.
9. Create flexibility in the plan so Park Commission and City Council can take advantage of future opportunities as they arise.

1. Hackamore Road: Arrowhead Drive to County Road 101

Description – This trail would run south to north approx. 1 1/4 miles along Arrowhead Drive, then curve and continue east along the south side of Hackamore Road to County Road 101.

Need – This trail will serve a heavily-populated area of the City and link trails along County Road 101 and County Road 116.

Type and Surface Recommendations – This trail should be paved and off-road if possible.

Opportunities & Contingencies – The portion of this trail that runs south to north along Arrowhead Drive will be completed when Arrowhead Drive is finished. The remaining portion will be finished as development occurs.

2. Foxtail Trails

Description – These trails will run from Foxberry Farms to Medina Lake and continue along a path to Arrowhead Drive to create a connection from The Park at Fields of Medina to Medina Lake Preserve.

Need – Driven by development.

Type and Surface Recommendations – The trails should be unpaved and as population increases, pavement should be considered.

Opportunities & Contingencies – To be constructed as development occurs. These trails are located close to an active park.

3. Highway 55 Crossings (County Road 101 & 116)

Description – These crossings create access and connections over Highway 55.

Need – These crossings connect Uptown Hamel and parks with the Clydesdale Trail retail area and north/south residents.

Type and Surface Recommendations – The surface type should be paved shoulder.

Opportunities & Contingencies – This trail should be built as the opportunity arises and funds are available. Not through city funds. When crossings go in, the stop lights should be longer to allow for safe crossing.

4. East Chippewa

Description – This trail would run along Chippewa Road from Willow Drive heading east to Arrowhead Drive.

Need – Provide a local trail for connection within the community and local parks.

Type and Surface Recommendations – Paved off-road.

Opportunities & Contingencies – As opportunity arises or development occurs.

5. Chippewa/Mohawk Trail System

Description – These trails will run through the future planned developments north of Chippewa Drive, west of Arrowhead Drive and east of Willow Drive.

Need – Provide a trail system and connections to existing trails for the new residents in these future developments.

Type and Surface Recommendations – Paved.

Opportunities & Contingencies – As development occurs.

6. Willow Drive North

Description – The trail would run north along Willow Drive beginning at Pioneer Trail for about 1 mile, ending at the proposed East Chippewa Trail.

Need — There are few residents along this proposed trail and there would be little need until development occurs.

Type and Surface Recommendations– This trail would be an unpaved shoulder trail until usage required pavement.

Opportunities & Contingencies – This trail could be built in conjunction with the East Chippewa trail to make multiple trail connections.

7. Pioneer Trail

Description – The trail would run along Pioneer Trail starting at County Road 115 (Hamel Road) to Highway 55.

Need — This trail is needed to complete the trail system to the northwest portion of the City and to connect to Tomann Preserve.

Type and Surface Recommendations– This trail would be paved and off-road where possible.

Opportunities & Contingencies – This trail may not be built until development occurs.

8. West Chippewa

Description – This trail would run along Chippewa Road from Pioneer Trail to County Road 19.

Need – Provide access to Loretto, and the Regional Trail.

Type and Surface Recommendations – Paved.

Opportunities & Contingencies – As opportunity arises or development occurs.

9. North of Loretto – 19 to Pioneer Trail

Description – This trail will connect the County Road 19 regional trail to the proposed trail along Pioneer Trail.

Need – Provide a trail connection to existing trails for the new residents in these future developments.

Type and Surface Recommendations – Paved.

Opportunities & Contingencies – As development occurs.

10. Northwest Loretto Trail System

Description – This trail will connect the County Road 19 regional trail with a future planned city park and run west to the city's border.

Need – Provide a trail system and connections to existing trails for the new residents in these future developments.

Type and Surface Recommendations – Paved.

Opportunities & Contingencies – As development occurs.

11. Hidden Lake Trail

Description – This trail would be a short spur trail west of County Road 19 to an overlook on Hidden Lake.

Need – This would be a spur connection to allow public viewing of a high quality natural area from a Regional Trail.

Type and Surface Recommendations – This trail should be unpaved.

Opportunities & Contingencies – It should be constructed as opportunity arises.

12. Tomahawk Trail

Description – This trail would run along Tomahawk Trail for about 1 1/4 miles, from Hamel Road northeast to Pioneer Trail. It would also have a grassland nature trail spur to the old Woodlake Sanitary Landfill.

Need – This will serve as a connection between Baker Park Reserve and Tomann Preserve. The spur would provide access to an open space priority area.

Type and Surface Recommendations – The terrain would likely require shoulder trail. Initially this could be a gravel surface.

Opportunities & Contingencies – The spur should be coordinated with the Woodlake owner. The remaining portion of the trail as opportunity arises.

13. Apache Trails

Description – These trails will head east toward Pioneer Trail and south to County Road 115 (Hamel Road).

Need – Provide an interior, off-road connection for future development.

Type and Surface Recommendations – Unpaved trails.

Opportunities & Contingencies – As opportunity arises or development occurs.

14. Prairie Drive Trail

Description – This trail would run south of the Hennepin County Public Works Facility, through woodland to Pioneer Trail.

Need – This trail provides a connection to other trails.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs.

15. County Road 118/Blackfoot Trail

Description – Beginning at Tamarack Drive on the south, this trail extends to the west along the entire 1/2 mile length of Blackfoot Trail, turns north for about 1/3 of a mile to the intersection of County Road 115 (Hamel Road), and continues north for an additional 5/8 of a mile along County Road 118 to Highway 55, aligning with the proposed trail across Highway 55 on Arrowhead Drive.

Need – This trail is part of the proposed north-south route connecting the east-west trails on the eastern half of the City.

Type and Surface Recommendations – Given the low traffic volume along Blackfoot Trail, that segment of the trail can be on the north shoulder. The segment between Blackfoot Trail and Hamel Road should be off-road with a limestone base. Both of these segments could be paved if and when Blackfoot Trail is paved. Due to the heavy commercial traffic on County Road 118, that segment should be an off-road trail, and should eventually be paved.

Opportunities & Contingencies – In 2003, a partial dedication for the section of this trail connecting Blackfoot Trail and Hamel Road was obtained in conjunction with the subdivision of the Jubert Property or Copeland property.

16. County Road 115 (Hamel Road)

Description – This trail would run along County Road 115 (Hamel Road) for about 4 1/2 miles, from Highway 55 to County Road 19.

Need – This trail is needed to provide more direct access from the southwest and Baker Park Reserve to Hamel Legion Park and Uptown Hamel.

Type and Surface Recommendations – This trail should be paved to accommodate pedestrians, bicyclists and rollerbladers. A large portion of this road (from Arrowhead to Parkview) already has a gravel trail for walking and riding.

Opportunities & Contingencies – This trail may be developed as the roads throughout the center of the City are upgraded or placed under construction for maintenance. This is a Hennepin County highway; the County may be willing to pick up a portion of the cost.

17. Hamel Road – Uptown Hamel to Pinto Drive

Description – This proposed trail is approx. 1 mile long, extending from Pinto Drive on the western edge of Uptown Hamel, east to the Medina city limit at Brockton Lane. A sidewalk already exists along Hamel Road in the area of Sioux Drive.

Need – Uptown Hamel is a high-density area and is the subject of redevelopment plans. This trail will be an important connector from the Hunter Road trail to the Uptown Hamel business area, Hamel Legion Park and to the trail going north along County Road 101.

Based on visual observations of traffic volume on Hamel Road, the Park Commission believes an off-road trail, or a sidewalk with curb and gutter, is needed to satisfy safety concerns.

Type and Surface Recommendations – Construct a sidewalk trail along the north side of Hamel Road to the Elm Creek culvert. From that point the trail should be asphalt, meandering through City property, with a bridge crossing Elm Creek and a small rest area, then back up to Hamel Road, continuing to Pinto Drive.

Opportunities & Contingencies – This trail is planned be completed in stages as part of the Uptown Hamel redevelopment.

18. Navajo Trail

Description – The city currently holds a trail easement along the vacated Navajo Road. This trail would continue along the existing easement to connect to Tamarack trail and Blackfoot trails.

Need – This trail serves as an off road connection to Hunter Drive and the parks in Uptown Hamel.

Type and Surface Recommendations – With the proximity of this trail to wetland areas, this trail, if constructed, should be unpaved.

Opportunities & Contingencies – A trail would be constructed along the current trail easement and continue to Tamarack Drive as the opportunity arises.

19. Holy Name – Hunter Trail

Description – This trail would create a north south trail connection starting at Medina Road going south along Holy Name Drive, continuing west along the north side of County Road 24 to Holy Name Park and then heading south down Hunter Drive to residential areas.

Need – This trail would create a vital north south route and link Holy Name Park to the trail system.

Type and Surface Recommendations – The trail would be paved shoulder.

Opportunities & Contingencies – If the City acquired the right-of-way from North Ridge Farms, a second trail could be paved on the south side of County Road 24. The trail could also be constructed when the road is resurfaced in the future. The City could try to work with the county to create a crosswalk across County Road 24.

20. Pinto Drive

Description – This proposed trail extends about 1 1/4 miles, from County Road 24 on the south to the north end of Pinto Drive, then east for about 1/4 mile, then north for a little more than 1/2 mile along the half-section line to Medina Road.

Need– This trail could serve as a link from Medina Road to County Road 24, as an off-road trail.

Surface Recommendations – This trail should be unpaved.

Opportunities & Contingencies – Pinto Drive is now a dead-end road with large parcels to the north and northeast. Any future property divisions should be examined for possible trail easements.

21. Meadowwoods Trail

Description – This trail will run from Deerhill Road East to Tamarack, Cherokee Road, Meadowwoods Trail to Pinto Drive.

Need – Connect east side of city to Wolsfeld Woods SNA.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs.

22. Tamarack Drive Trail

Description – The proposed trail would extend the entire length of Tamarack Drive, approx. 2.4 miles.

Need – This trail would be one option for a north-south trail in the City and, when combined with the proposed trails along Blackfoot Trail, County Road 118, and Arrowhead Drive, would extend the entire length of the City. As such, it would greatly enhance access to most east-west trails, including the existing County Road 24 trail. The only other north-south trail that extends the entire length of the City is the County Road 19 Regional Trail on the west side of the City.

Type and Surface Recommendations – It is recommended that this trail be placed on the existing road right-of-way, as an off-road trail where ever possible, given that Tamarack Drive has a moderate amount of traffic and a 40 mph speed limit. The road may need to be widened in some areas, particularly in the wetland areas of County Road 24, to accommodate a trail; perhaps boardwalks would be equally effective.

Opportunities & Contingencies – Placing this trail in the existing road right-of-way will minimize or eliminate land acquisition costs. However, the area on either side of County Road 24, together with a section north of Medina Road, is marsh land and will require permits and additional fill. Sections of this trail will be off-road, other sections will be paved, depending on right-of-way and wetlands issues. This road is relatively narrow, but if the city ever raised the road in the future, the road could be widened.

23. Deerhill East

Description – This trail will run along Deerhill Road from Tamarack west to Wolsfeld Woods SNA (includes spur running south to Wolsfeld Woods SNA off Deerhill).

Need – This trail will provide a continuation of the Meadowwoods Trail and connection to Wolsfeld Woods SNA.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs. The spur has been acquired.

24. Wolsfeld Cabin Trail

Description – The trail is named Wolsfeld Cabin Trail because it provides the connection from the Wolsfeld Cabin, which is located at City Hall, to Wolsfeld Woods SNA and the actual location where the cabin once stood.

Need – Historic connection.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs.

25. Wolsfeld West Trail

Description – This trail, approximately 1/2 mile long, would provide a connection between Wolsfeld Woods SNA to Willow Drive, Deerhill Road West and ultimately to Baker Park Reserve.

Need – At this time the low traffic volume on Deerhill Road does not warrant an off-road trail. However, an east–west connection between Tamarack Drive and Willow Drive near the City’s south border would be desirable.

Type and Surface Recommendations – Given the Minnesota DNR’s position on bicycle traffic in its scientific and natural areas, and the low traffic level on Deerhill Road, this should be an unpaved trail.

Opportunities & Contingencies –As opportunity arises or development occurs. Medina needs to be mindful of DNR regulations for trail use in developing this trail.

26. Willow Drive – South of Morningside Road to County Road 6 (6th Avenue North)

Description – The trail from Morningside Road to the Medina line is approx. 700 feet and from the Medina line to County Road 6 (6th Avenue North) is approx. 575 feet, for a combined total of approx. 1,275 feet in length, running along Willow Drive between Morningside Road and County Road 6, on the west side of Willow Drive.

Need – There is foot and bicycle traffic along Willow Drive. However, there is virtually no shoulder, the traffic lanes are narrow, and traffic is usually heavy and fast. This trail would provide a safe useful connection between the Medina Morningside and Keller Estates Neighborhoods with an Orono trail system connecting to County Road 6; which will ultimately provide off road access to the Long Lake retail district and the Orono school campus.

Type and Surface Recommendations – Due to the amount of private wooded land along Willow Drive, this trail may need to be partially built on the shoulder of the road. The existing topography and sewer/water utility easement favor a paved trail on the west side of Willow Drive.

Opportunities & Contingencies – This trail will be coordinated with the City of Orono. Some homes along Willow Drive are close to the road and it may be necessary to obtain easements. If Willow Drive is to be rebuilt, this trail could be developed in conjunction with that work.

27. Willow Drive – South of County Road 24 to Morningside Road

Description – This trail is approx. 6,245 feet long, running along Willow Drive between County Road 24 and Morningside Road.

Need – Currently, there is some foot and bicycle traffic along Willow Drive. However, there is virtually no shoulder and the traffic lanes are narrow. This trail would provide a useful connection between County Road 24 and the proposed trail from Morningside Road to County Road 6.

Type and Surface Recommendations – Due to the amount of private wooded land along Willow Drive, this trail would most likely have to be built on the shoulder. The existing density, topography and utility easement favor a paved trail on the west side of Willow Drive. A straight line for a trail is not necessary, and the trail could meander as opportunities exist.

Opportunities & Contingencies – If Willow Drive is to be rebuilt, this trail could be developed in conjunction with that work.

28. West Deerhill Trails

Description – These trails consist of two trails. Trail A is a straight line that would run along Deerhill Road from Willow Drive approximately 1 mile west to Baker Park Reserve. Trail B would run northwest from Deerhill Road along the open space corridor to a connection with a series of trails coming from the north and west.

Need – This would be a connection from Wolsfeld Woods SNA to Baker Park Reserve, plus providing access to an open space corridor.

Type and Surface Recommendations – The off-road section of the trails would be gravel or turf. Where trail would go along Deerhill Road, it should be off-road if possible, gravel or turf, as on Trail A. Turf on Trail B.

Opportunities & Contingencies – These trails could be constructed with development in the area or the opportunity arises.

29. Homestead Willow Trail - A

Description – The Homestead Willow trail will eventually make a loop connection between Homestead Trail and Willow Drive. Trail A would connect from Homestead to West Deerhill Trail B. Trail B that would continue east to Willow Drive.

Need – To have an off-road trail along an open space corridor with high quality natural areas. A connection from Baker Park Reserve to Wolsfeld Woods SNA.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs.

30. Homestead Willow Trail - B

Description – This trail finishes the loop connection with Homestead Trail and Willow Drive. Trail B that would go from Deerhill West Trail B north around a high quality natural area of wetland and woodlands back to Willow Drive.

Need – To have an off-road trail along an open space corridor with high quality natural areas. A connection from Baker Park Reserve to Wolsfeld Woods SNA.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs.

31. Independence Beach Neighborhood Trail Connection

Description – The proposed trail also includes a small neighborhood connection from Ardmore Avenue to the beach at Baker Park Reserve.

Need – This trail was previously studied by a joint task force including the City of Medina, Hennepin County and Hennepin County Parks (now Three Rivers Parks). The study was prompted by a request from residents to construct a trail on the west side of County Road 19 between the Independence Beach neighborhood and Baker Park. The results of the study are set forth in a report dated August 16, 1999.

Type and Surface Recommendations – The surface type of this trail should either be unpaved or a small sidewalk. If a sidewalk is constructed, it should only be done if it can be constructed without disturbing too much of the natural environment. A resident survey could be conducted to get their opinions on a surface type.

Opportunities & Contingencies – Hennepin County received Federal funds along with the County Road 19 Regional Trail project to complete the neighborhood trail connection. The City of Medina opted not to have them pave the portion of the trail that runs between the Dockside Condos and County Road 19, but the section of the trail from the beach north to the Park property line was paved.

32. Parkview Drive Trail

Description – This trail would run along Parkview Drive from County Road 24 to County Road 115 (Hamel Road).

Need – This trail is needed to create a safe connection to an entrance of Baker Park and to connect Hamel Road with County Road 24.

Type and Surface Recommendations – This trail should be a shoulder trail.

Opportunities & Contingencies – Currently Parkview Drive is County Road 201, which means the City can only recommend this trail, unless the road was to be turned back to the City.

33. Willow Drive from County Road 24 to County Road 115 (Hamel Road)

Description – This trail would run along Willow Drive from County Road 24 to County Road 115 (Hamel Road).

Need – The need for this trail is to connect the trail system to two existing trails and it provides a North/South connection.

Type and Surface Recommendations – This trail should be unpaved.

Opportunities & Contingencies – This trail could be constructed as the opportunity arises.

34. Blackfoot/Chestnut Loop

Description – This trail would run west from Blackfoot Trail along the wetland and cut back to the proposed trail on Chestnut Road.

Need – This trail would complete an off-road trail which surrounds a large wetland, old-growth woodland, and open space corridor.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises.

35. Morgan/Blackfoot Loop

Description – This trail will connect the proposed loop from Chestnut Morgan Trail to Blackfoot Chestnut Loop

Need – To provide an off-road connection trail along a natural area and open space corridor.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises.

36. Chestnut/Morgan Road Connection

Description – This trail would run east along Chestnut from Willow and then head south to connect to Morgan Road.

Need – To run an off-road trail along an open spaces corridor with high quality natural areas and connect with other off-road trails.

Type and Surface Recommendations – Unpaved.

Opportunities & Contingencies – As opportunity arises or development occurs.

37. Tamarack North Trail

Description – This trail would run adjacent to the future road (mostly likely called Tamarack Drive) from the Park at Fields of Medina south across Highway 55 down to Hamel Road.

Need – This trail will connect the future planned residential developments south of Highway 55 to the new developments and park north of Highway 55.

Type and Surface Recommendations – paved.

Opportunities & Contingencies – As opportunity arises or development occurs.



Trail Plan

Legend

Trail Surface Type

- Paved
- Shoulder
- Turf
- Sidewalk

Residential Density

1 Dot = 1 Potential Unit

Solid lines denote existing trail segments

Dashed lines denote proposed trail segments

Map Date: May 14, 2013
Scale: 1:30,000

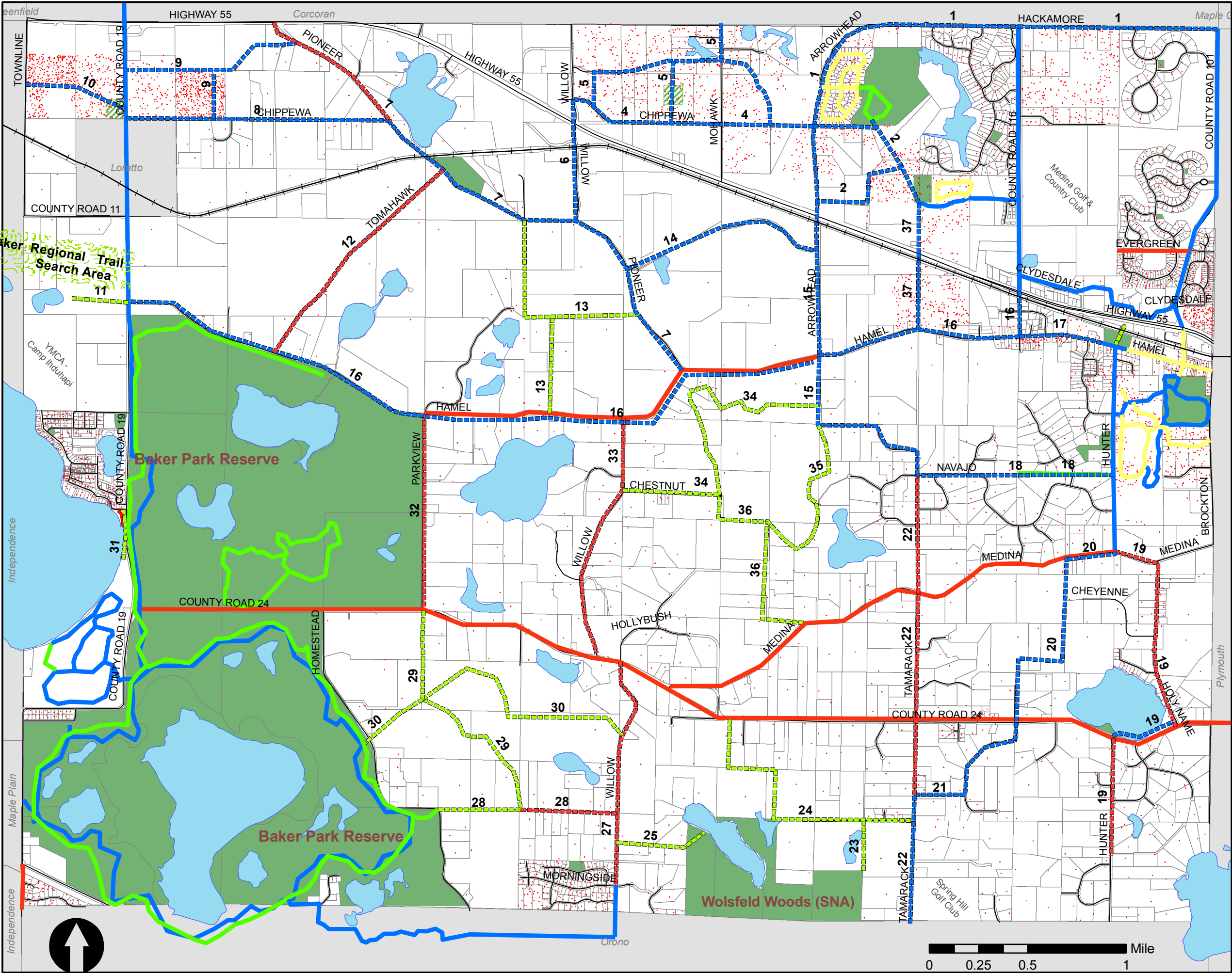


EXHIBIT D

2014 Capital Improvement Plan

2014 - 2018 Capital Improvement Plan

2014 CIP: DEPARTMENT

2014		2015		2016		2017		2018		Potential Revenue Source
Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	

Roads

Hamel Road - Pinto to Tower Reconstruct	\$ 170,954	\$ 102,572								Reserves/Bonds/Assessments
Tamarack North of Medina Overlay/Rehab			\$ 150,000	\$ 120,000						Reserves/Bonds/Assessments
Tamarack City Limits to CSAH 24 Rehab					\$ 435,671	\$ 348,537				Reserves/Bonds/Assessments
Comanche Trail Overlay			\$ 27,125	\$ 13,563						Reserves/Bonds/Assessments
Chippewa Road West overlay	\$ 268,506	\$ 214,805								Reserves/Bonds/Assessments
Lakeview Road overlay			\$ 47,232	\$ 23,616						Reserves/Bonds/Assessments
Willow Drive Orono to 24 Overlay										Reserves/Bonds/Assessments
Willow Drive N of Chippewa overlay blacktop portion			\$ 59,000	\$ 47,000						Reserves/Bonds/Assessments
Wichita Trail overlay							\$ 125,086	\$ 62,543		Reserves/Bonds/Assessments
Tower Drive West of Pinto Overlay	\$ 25,000	\$ 12,500								Reserves/Bonds/Assessments
Tower Drive WTP to Hamel Reconstruct	\$ 236,091	\$ 118,046								Reserves/Bonds/Assessments
Iroquois Drive Overlay			\$ 26,000	\$ 13,000						Reserves/Bonds/Assessments
Willowbrook RD										Split/Orono Road Bond
Kilkenny Lane Overlay (Tower Dr Project)	\$ 12,000	\$ 12,000								Reserves/Bonds/Assessments
Maplewood Drive Overlay			\$ 29,328	\$ 14,664						Reserves/Bonds/Assessments
Bobolink Road Overlay			\$ 86,326	\$ 43,163						Reserves/Bonds/Assessments
Morningside Road Overlay			\$ 100,654	\$ 50,327						Reserves/Bonds/Assessments
Elsinore Circle N of Morningside Rd Overlay			\$ 18,789	\$ 9,395						Reserves/Bonds/Assessments
Tuckborough/Hunter farms Addition overlay	\$ 297,643	\$ 148,822								Reserves/Bonds/Assessments
Townline Road CR11 to TH 55 Overlay					\$ 103,122	\$ 41,249				Independence funds/Road Bonds/Assessments
Hwy 55 & CSAH101 Signal upgrade			\$ 300,000	\$ 75,000						Road Bonds/MSA
Hwy 55 & CR 116 Intersection									\$ 2,620,000	TH 55 Intersect Capital Impr Fund/Fed & State Match/MSA
Roads Sub-total	\$ 1,010,194	\$ 608,745	\$ 844,454	\$ 409,727	\$ 538,793	\$ 389,786	\$ 125,086	\$ 62,543	\$ 2,620,000	\$ 200,000

Public Works

Tandem			\$ 225,000	\$ 225,000						Equipment Bonds/Cap Equip Fund
Sweeper	\$ 15,000	\$ 15,000								Grant
Lift	\$ 13,000	\$ 13,000								Grant
Skid Steer Upgrade w/ Bucket	\$ 10,000	\$ 10,000								Equipment Bonds/Cap Equip Fund
Pickup Truck 3/4 Ton			\$ 40,000	\$ 40,000						Equipment Bonds/Cap Equip Fund
Tandem Trailer										Equipment Bonds/Cap Equip Fund
Single Axle Truck	\$ 185,000	\$ 185,000					\$ 185,000	\$ 185,000		Equipment Bonds/Cap Equip Fund
Loader					\$ 150,000	\$ 150,000				Equipment Bonds/Cap Equip Fund
Public Works Sub-total	\$ 223,000	\$ 223,000	\$ 265,000	\$ 265,000	\$ 150,000	\$ 150,000	\$ 185,000	\$ 185,000	\$ -	\$ -

Police

PD Squad Cars	\$ 58,000	\$ 58,000	\$ 58,000	\$ 58,000	\$ 95,000	\$ 95,000	\$ 58,000	\$ 58,000	\$ 58,000	\$ 58,000	Equipment Bonds/Cap Equip Fund
PD Speed Trailers			\$ 17,000	\$ 17,000							Equipment Bonds/Cap Equip Fund
PD Squad Camera											Fed Drug Forfeiture Fund
PD Squad Portable Radios											DWI Forfeiture Fund
Portable Radios	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000	\$ 22,000					DWI Forfeiture Fund
PD Squad Laptops/Software MDC			\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000					DWI Forfeiture Fund
PD Card Reader System											DWI Forfeiture Fund
Electronics (New PD Facility)	\$ 15,000	\$ 15,000									DWI Forfeiture Fund
Fire Arm Clearing Tub	\$ 1,000	\$ 1,000									DWI Forfeiture Fund
Workout Equipment	\$ 5,000	\$ 5,000									DWI Forfeiture Fund
Gun Safe	\$ 2,500	\$ 2,500									DWI Forfeiture Fund
PD Misc	\$ 4,000	\$ 4,000									DWI Forfeiture Fund
Police Sub-total	\$ 107,500	\$ 107,500	\$ 107,000	\$ 107,000	\$ 127,000	\$ 127,000	\$ 58,000	\$ 58,000	\$ 58,000	\$ 58,000	

2014 - 2018 Capital Improvement Plan

2014 CIP: DEPARTMENT

2014		2015		2016		2017		2018		Potential Revenue Source
Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	

Fire

HAMEL										
SCBA Replacement										funded by grants/other
Mobile Radio Replacement										funded by grants/other
Lucas Tool	\$ 7,500	\$ 7,500								Equipment Bonds/Cap Equip Fund
Ongoing PPE Replacement	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	Equipment Bonds/Cap Equip Fund
Bldg - Exhaust Removal System			\$ 15,000	\$ 15,000						Equipment Bonds/Cap Equip Fund
Thermal Imaging Camera	\$ 4,000	\$ 4,000								Equipment Bonds/Cap Equip Fund
Engine 11 Trash Line					\$ 10,000	\$ 10,000				Equipment Bonds/Cap Equip Fund
Hose - 1.75" & 2"			\$ 12,000	\$ 12,000						Equipment Bonds/Cap Equip Fund
Duty Officer Vehicle			\$ 10,000	\$ 10,000						Equipment Bonds/Cap Equip Fund
Ranger Vehicle			\$ 25,000	\$ 25,000						Equipment Bonds/Cap Equip Fund
E11 Rescue Tool Replacement			\$ 44,000	\$ 44,000						Equipment Bonds/Cap Equip Fund
Defibrillator			\$ 3,000	\$ 3,000						Equipment Bonds/Cap Equip Fund
Utility 11 Overhaul/retrofit					\$ 65,000	\$ 65,000				Equipment Bonds/Cap Equip Fund
Command Vehicle Replacement							\$ 20,000	\$ 20,000		Equipment Bonds/Cap Equip Fund
Grass Rig Storage Rework							\$ 10,000	\$ 10,000		Equipment Bonds/Cap Equip Fund
Air Lift Bag Replacement									\$ 10,000	Equipment Bonds/Cap Equip Fund
Pumper/Tanker									\$ 550,000	Equipment Bonds/Cap Equip Fund
Portable JAWS Tool							\$ 15,000	\$ 15,000		Equipment Bonds/Cap Equip Fund
Engine 11 Refurbishment										Equipment Bonds/Cap Equip Fund
Hamel Fire Sub-total	\$ 16,500	\$ 16,500	\$ 114,000	\$ 114,000	\$ 80,000	\$ 80,000	\$ 50,000	\$ 50,000	\$ 565,000	

Loretto

Fire (Loretto)	\$ 17,839	\$ 17,839	\$ 18,000	\$ 18,000	\$ 19,000	\$ 19,000	\$ 20,000	\$ 20,000	\$ 21,000	\$ 21,000	Equipment Bonds/Cap Equip Fund
Fire Sub-total	\$ 34,339	\$ 34,339	\$ 132,000	\$ 132,000	\$ 99,000	\$ 99,000	\$ 70,000	\$ 70,000	\$ 586,000	\$ 586,000	

Civil Defense

Civil Defense Sirens	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000							Revolving Cap. Impr. Fund/ County Grant
Civil Defense Sub-total	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Administration/Data Processing

Vehicle	\$ 20,000	\$ 20,000									Equipment Bonds/Cap Equip Fund
Administration Sub-total	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

City Buildings

City Hall Repairs/Renovation	\$ 125,000	\$ 125,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000					Revolving Cap. Impr. Fund
Community Building Repairs			\$ 25,000	\$ 25,000					\$ 20,000	\$ 20,000	Revolving Cap. Impr. Fund
PW//Police/City Hall Renovations											Recharacterization from Water Bonds
New Public Works Facility											G.O. CIP Bonds
City Building Sub-total	\$ 125,000	\$ 125,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ 20,000	\$ 20,000	

Water (high growth expectation)

Independence Beach House Controls	\$ 35,000	\$ 35,000									Water Capital Improvement
Water Treatment Plant SCADA Upgrade	\$ 30,000	\$ 30,000									Water Capital Improvement
Water Treatment Plant Expansion									\$ 1,400,000	\$ 1,400,000	Future
Well #8/pump/controls	\$ 375,000	\$ 375,000									Water Capital Improvement
Pumphouse # 3 reconstruct/raw waterline	\$ 116,000	\$ 116,000									Water Capital Improvement
Generator											Water Capital Improvement
Willow Dr Water Tower Rehab	\$ 180,000	\$ 180,000									Water Capital Improvement
Water Tower (and land acquisition)									\$ 2,600,000	\$ 2,600,000	Future (2020-2023)
Tower Dr Water Main	\$ 70,000	\$ 35,000									Water Capital Improvement
Water Sub-total	\$ 806,000	\$ 771,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 4,000,000	

2014 - 2018 Capital Improvement Plan

2014 CIP: DEPARTMENT

2014		2015		2016		2017		2018		Potential Revenue Source
Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	Project Cost	City Proposed Portion	
	\$ 80,000	\$ 80,000								Sewer Capital Improvement
			\$ 30,000	\$ 30,000						Equip fund-Sewer/Stormwater
										Assessments/Sewer Capital
					\$ 60,000	\$ 60,000				Sewer Capital Improvement-27.4%
	\$ 50,000	\$ 25,000								TBD
Subtotal	\$ 130,000	\$ 105,000	\$ 30,000	\$ 30,000	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -
	\$ 20,000	\$ 20,000								Road Bonds/ Assessments/ Storm Water Utility/ Grant
			\$ 30,000	\$ 30,000						Equip fund-Sewer/Stormwater
										Road Bonds, Assessments, Grants, Storm Water Utility
	\$ 500,000	\$ 500,000								Elm Creek Watershed grants
										Storm Water Utility; Grants
	\$ 40,000	\$ 14,000	\$ 40,000	\$ 14,000	\$ 40,000	\$ 14,000				Storm Water Utility; Grants
	\$ 55,000	\$ 19,250	\$ 55,000	\$ 19,250	\$ 55,000	\$ 19,250				Storm Water Utility; Grants
	\$ 30,000	\$ 10,500	\$ 30,000	\$ 10,500	\$ 30,000	\$ 10,500				Storm Water Utility; Grants
	\$ 2,500	\$ 875	\$ 2,500	\$ 875	\$ 2,500	\$ 875				Storm Water Utility
	\$ 25,000	\$ 8,750	\$ 25,000	\$ 8,750	\$ 25,000	\$ 8,750				SWU; Grants; Env. Fund
Subtotal	\$ 672,500	\$ 573,375	\$ 182,500	\$ 83,375	\$ 152,500	\$ 53,375	\$ -	\$ -	\$ -	\$ -
										Park Dedication/Grants/Donations
	\$ 100,000	\$ 100,000								Developer/Park Dedication Fund
										Park Dedication Fund/Grants
	\$ 10,000	\$ 10,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000	Park Dedication Fund
	\$ 40,000	\$ 40,000								Park Dedication
										Park Dedication/Grants/Donations
			\$ 20,000	\$ -						Grants/Donations
	\$ 15,000	\$ 3,750								Park Dedication/Grants/Donations
			\$ 5,000	\$ 5,000						Park Dedication Fund
										Park Dedication Fund
			\$ 50,000	\$ 12,500						Park Dedication Fund/Donations
										Park Dedication Fund
										Park Dedication Fund
			\$ 60,000	\$ 60,000						Park Dedication Fund
	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	Park Dedication Fund/Grants
										Park Dedication Fund
	\$ 200,000	\$ 200,000	\$ 20,000	\$ 20,000						Park Dedication Fund
			\$ 100,000	\$ 100,000						Park Dedication Fund
Subtotal	\$ 615,000	\$ 603,750	\$ 412,000	\$ 354,500	\$ 257,000	\$ 257,000	\$ 257,000	\$ 257,000	\$ 257,000	\$ 257,000
Total	\$ 3,773,533	\$ 3,201,709	\$ 2,052,954	\$ 1,461,602	\$ 1,409,293	\$ 1,161,161	\$ 695,086	\$ 632,543	\$ 7,541,000	\$ 5,121,000

EXHIBIT E

Policies & Programs

62.00 Trail Recognition and Acquisition Policy

Purpose:

To define the recognition program for donated trail easements and the method and formula for acquiring trail easements.

Policy Statement

The City may obtain trail easements through landowner donation or through acquisition.

Recognition

The grantor of a trail easement shall have the option to be formally recognized for donating the easement to the City. The City shall incur reasonable expense for purchasing plaques, plates, monuments, signs, etc. for appropriate recognition of a donated trail easement.

Acquisition

When acquiring a trail easement, the City shall compensate the landowner for the easement area at the fair pre-developed land market value rate determined by the City Assessor.

*Policy Approval: City Council approved on 2/6/2007
City Council updated on 4/1/2008*

63.00 Recreational Field Usage Policy

Purpose:

To define procedures and priority status for using and renting the City's recreational field facilities.

General Policy Statement:

The athletic fields within the City of Medina are provided for the recreational pursuits of Medina residents. The City of Medina's goal is to maximize the use of all park venues, while preserving the park assets, as well as insuring all local users an opportunity to use the City's facilities. Rules and regulations concerning the proper use of the facilities are established to ensure that the quality of the fields is sustained.

Both ball fields and the multi-purpose athletic field require a permit for users intending to reserve fields for team practice, games, and tournament usage. Due to the limited number and the high demand of the recreational fields, there is an established priority on field reservations for applications received by March 31st. The following sections describe the Permit Application Process, Prioritized Usage, Reservation Fee Policy, and General Park Rules required for field reservation.

Policy for Recreational Field Usage:

In order to reserve a ball field and/or a multi-purpose athletic field for the purpose of occasional organized recreational usage (i.e. practices, games and tournaments) the applicant must submit a completed application form at City Hall and submit the appropriate fees. Applicants that want to be given priority on field reservations must submit their application by March 31st (please refer to the Prioritization section for more information).

Users interested in reserving a ball field and/or a multi-purpose athletic field for the purpose of seasonal recreational usage must enter into a field usage contract with the City.

Reservations are subject to availability and cannot be guaranteed unless made *at least* five (5) business days prior to the desired date. Reservations may be mailed or made in person Monday through Friday 8:00-4:30 at Medina City Hall. The application form is available online at <http://www.ci.medina.mn.us/>.

Application Process Procedure for the Recreation Field Reservation Permit:

I. Submission of a Recreation Field Reservation Application for permitted field usage:

- Submit a completed Recreation Field Reservation Application form to:

City of Medina
Attn: Recreational Facility Rental
2052 Cty Rd 24, Medina, MN 55340
Phone 763-473-4643 Fax: 763-473-9359.

- Each applicant shall be at least 21 years of age and act as the responsible coordinator of the reservation agreement.
- An application shall not be approved unless:
 - a) the event is compatible with city ordinances and policies;
 - b) all applicable fees and/or deposits are received;
 - c) the date and time is available; and
 - d) proof of insurance is on file
- An application may be denied or revoked if:
 - a) the recreational field is not available;
 - b) the applicant has an unsatisfactory use record;
 - c) the rental does not meet applicable rules/ordinances; or
 - d) the rental could be detrimental to the best interest of the City.
- Security Deposits will be refunded after post-event inspection by the City of Medina Public Works Department.

II. Submittal Time Line for the Recreation Field Reservation Application

The recreation fields are generally available for use April 15th through October 31st (depending on weather). The City's Public Works Department reserves the right to delay, suspend, or cancel the use for any reason deemed appropriate.

Prioritization for Field Reservations

There are two application categories: Non-Prioritized and Prioritized.

Non-Prioritized applications must be submitted *at least* five (5) business days prior to the desired date. The City will process applications within one week of the application submittal.

Prioritized applicants must submit their application before March 31st. For determining the applicants categorized priority designation, refer to the Group Prioritization Description below. All prioritized reservations are awarded according to their priority designation; "A" being the highest priority and "E" the lowest priority. Within each designated prioritization group, a first come first serve practice will be exercised. The City will process the application within one week after the priority deadline. **Prioritization Deadline is March 31.**

Group Prioritization Description

The following is a description of a group's priority designation:

A - City Events: City sponsored camps, or City-wide recreational programming.

B - Local Youth Athletic Organization:

- A non-profit organization of children from the ages of 4-17yrs of age, and

- An organization with at least 30% Medina residents on the roster. Residence is to be verified by submitting a copy of the teams' league roster to the City by the organization, or
- An organization that provides proof of public service in Medina.

C – Non-resident Youth Athletic Associations:

- A non-profit organization of children from the ages of 4-17 yrs of age.

D – Local Adult Resident:

- An adult team with at least 30% Medina residents on the roster. Residence is to be verified by submitting a copy of the teams' league roster to the City by the team.

E - Non-Resident Adult / Corporate Events:

- An adult team with less than 30% Medina residents on the roster.
- A private group/organization whose activities generate monies for the financial enrichments of the members

III. Recreation Field Facility Requests

Recreation Fields Request

Fields must be reserved for organized recreational usage by submitting a Recreation Field Reservation Application. Once the Recreation Field Reservation Application is approved, a permit will be issued indicating the field or fields reserved. The remaining fields need to be left open for other reservations. If additional fields are needed for rental, please contact the City as soon as possible.

Recreation Fields Rescheduling

Once the Recreation Field Reservation Application is approved, the applicant may reschedule. The City will try to accommodate the request given:

- A written notice more than fourteen (14) days prior to the event,
- The availability of facility,
- Receipt of an administrative processing fee according to the Fee Schedule

Recreation Facilities Available For Reservation

Hamel Legion Park, 3200 Mill Drive, Uptown Hamel

1 Adult baseball field

1 Lighted field for adult softball/little league baseball usage

1 Youth baseball/softball four-plex. Tom Anderson fields #1, 2, 3, 4

1 Multi-purpose athletic field.

Hunter Lions' Park, 3195 Hunter Drive, near Uptown Hamel

1 Youth baseball/softball field

Medina Morningside Park, 2522 Bobolink Road, Medina

1 Youth baseball/softball field

Maple Park, 4400 Maple Street, Medina

1 Youth baseball/softball field

1 Multi-purpose athletic field.

IV. Recreation Field Reservation Application Fees and Refunds

Recreation Field Reservation fees

Recreation Field Reservation fees are the fees required for the direct usage of the fields. This fee includes the field usage fee as well as any fees associated with the requested/required rental of amenities. All fees will be required by the City upon submission of the reservation application. Please review the City's Fee Schedule to determine current rental fees.

Refunds of Reservation Fees

Refunds for all Recreation Field Reservation fees are processed on an individual basis with regards to the conditions of the cancellation. All cancellation notices and requests for rescheduling must be submitted in writing. If cancellations occur on the day of the event, the City must receive the cancellation notice by the next business day.

- *REFUND FOR CANCELLATIONS DUE TO WEATHER CONDITIONS.* All cancellations that are due to weather conditions must be verified by the City staff prior to processing the refund. A percent of the Recreation Field Reservation fees may be refunded according to the percent of field used when the event is interrupted due to weather conditions.
- *NO FEE REFUNDS.* Recreation Field Reservation fee refunds will not be given for cancelled game/practice reservations that are not related to weather conditions less than fourteen (14) days before the event.
- *NO FEE REFUNDS.* Recreation Field Reservation fee refund will not be given for cancelled tournament reservations that are not related to weather conditions less than thirty (30) days before the event.

Recreation Field Reservation Security Deposit

Recreation Field Reservation Security Deposit is required to maintain proper performance of the field usage and to offset administrative costs connected to staff hours used for the rescheduling process. A security deposit will be required by the City upon submission of the reservation application. Please review the City's Fee Schedule to determine current Security Deposit due.

Refunds of Security Deposit

The applicant will receive a refund of the Security Deposit if obligations under the field reservation application are fulfilled, compliance with City Code Chapter 515 is met, and an after post-event inspection by the Public Works Department.

- A full security deposit will be remitted to the applicant upon having left no financial obligation to the City and having caused no damage beyond ordinary wear and tear.
- A percent of the security deposit will be remitted to the City pending:
 - 1) any financial obligation to the City,
 - 2) the percent of damages to the facilities beyond the ordinary wear and tear.

Administrative Processing Fee For Rescheduling

An Administrative Processing Fee will be charged in accordance to the City's Fee Schedule to the Security Deposit for the rescheduling an approved field reservation. Cancellations that need to be rescheduled due to weather conditions are not applicable to the Administrative Processing Fee.

V. Applicant Responsibility

Maintenance

- Lining of soccer/rugby/lacrosse fields.
- Grooming and lining of ball fields.
- Supplying and installation of equipment such as nets, posts, bases, and/or other equipment subject to City approval.

Applicant's Inspection of Facilities

Holders of a field reservation permit agree to use the fields in an "as is" condition unless a written arrangement was made with the City. Upon arrival to each facility, the permit holder is responsible to inspect the site for unsafe conditions, which may be caused from vandalism, severe weather conditions or prior use.

In the event that the facility is not suited for use, the permit holder should not use the site and should contact the Public Works Department at 763-473-4643.

Required Liability Insurance Coverage for Application

Liability insurance coverage is required for group/team/organization use only, not individuals. Proof of insurance must be submitted with the Recreation Field Reservation Application.

- A certificate of liability insurance must be filed with the City of Medina prior to application approval. This certificate shall confirm said coverage and provide that the insurer shall give the City thirty (30) days advance written notice of cancellation, change or termination of said insurance policy.
- Permit holder shall obtain and maintain the policy of liability insurance written by an insurance company licensed to do business in the State of Minnesota. This policy shall contain an endorsement providing for blanket contractual liability to support the indemnity and hold harmless provision of this policy, covering death, personal injury and property damage while naming the City of Medina as additional insured.

VI. Park and Field Rules

Anyone breaking the park rules will be in violation of their reservation permit.

- Pets shall be leashed and cared in accordance with any State or City laws.
- No waste left on the fields & facilities. All waste paper and trash must be deposited in refuse barrels.
- No lewd or inappropriate conduct.
- No bikes permitted on the fields

- No glass containers
- Parking is allowed in designated parking areas only. Vehicles are not allowed on the grass, sidewalk, etc.
- No field usage will be allowed after 10 pm.
- Sale of alcoholic beverages is allowed by a temporary license from the City.
- All prepared food sales must have a certificate for operation from Hennepin County Health Department on site.
- If parking assistance or crowd control is anticipated, please notify the City a month prior to the reserved date. If unanticipated needs arise at the event, the City will charge the amount of staff resources needed against the deposit.
If in question about the parking needs of your event, please contact the City.
- Full compliance of the Medina City Code Chapter 515, Parks and Recreation Facilities.

Policy Approval: City Council approved on 12/2/2008

63.90 Ball Field Lighting and Irrigation Funding Program

Purpose:

To provide a program that identifies the funding mechanism for the construction and operation of ball field lights and ball field irrigation in City parks.

Policy Statement:

The City of Medina may provide a 25% cost-share towards the construction of ball field lights and ball field irrigation systems in City parks with available park dedication funds upon receiving a minimum 25% private cost-share contribution toward the requested lighting or irrigation project. The City shall have the option to retain up to 5% of any private contribution to be set aside for operational and maintenance expenses of a lighting or irrigation system. The remaining 50% or balance of the project cost shall be funded either through private contributions or a City sponsored grant award.

Procedures:

1. A City of Medina application for “Park Improvement Program” shall be completed and returned to the City of Medina as a pledge to commit the minimum 25% private cost-share for a requested project.
2. The City of Medina Park Commission will review the application to:
 - a. review the total construction cost of a requested project and verify the amount of the 25% private cost-share;
 - b. review the availability of park dedication funds as the City’s 25% cost-share;
 - c. review the timeline and feasibility of providing a grant application for the project (if necessary);
 - d. review the operational and maintenance impact on the City and need for any retention of contribution to be set aside for future operational or maintenance expenses; and
 - e. provide a recommendation for approval or denial to the Medina City Council.
3. The Medina City Council shall review the Park Commission recommendation and provide approval or denial of the application.
4. The City of Medina will submit an application for grant funds when applicable.
5. The minimum 25% private cost-share shall be deposited with the City of Medina prior to a City award of contract for the capital project; and, prior to approval of a City grant agreement for the capital project when applicable.

Program Approval: City Council approved on October 19, 2010.

64.00 Friends of the Park Program

Purpose:

The City of Medina's Friends of the Park Program is a community effort organized to provide an ongoing opportunity to beautify, clean and maintain the City's parks and open spaces and the German Liberal Cemetery for the benefit and enjoyment of present and future generations. It is also the conduit for Citizen Generated Project Requests.

Policy Statement:

From time to time the City is approached by citizens or citizen groups with well intentioned proposals for improvements to City property, often at no expense to the City. The City must ensure that such projects fit into long term plans for the City properties for which the projects are proposed and that they do not add unreasonably to City grounds and facilities maintenance responsibilities.

Process:

Community groups or individuals interested in improving local parks and open space or the German Liberal Cemetery will be asked to submit an application for an Approved Ongoing Program Activity or a Citizen Generated Project Request to the City for review. Once the project has been approved by the City, the Public Works Superintendent will meet with the participants to provide further direction.

Approved Ongoing Program Activities

- Clean up area of garbage and litter
- Plant flowers, shrubs and trees in locations approved by the City of Medina
- Remove noxious weeds by hand or cutting as designated
- Water and maintain plantings around park entrance signs
- Inspect and clean bird houses throughout parks system

Citizen Generated Project Requests

Individuals or community groups that are interested in volunteering for Approved Citizen Generated Projects must adhere to the following:

1. Submit projects that are generally listed on the Approved Project List, developed annually by the Park Commission and approved by the City Council.
2. Propose projects that are generally non-structural and based on preservation and ecology.
3. Create a detailed budget and identify funding sources if appropriate for the project.
4. Complete a City of Medina Project Worksheet and submit to City Staff for Park Commission review and approval by the City Council.

5. Be available to attend a Park Commission meeting and City Council meeting to present your project idea if requested.
6. Recognize that preference will be given to Medina residents.

City Responsibilities:

- Review and approve project
- Help participants establish a work plan and create goals
- Furnish materials as agreed

Participant Responsibilities:

- Commitment to completing Ongoing Program Activities and the goals created:
 - Furnish plants approved by the City of Medina
 - Keep plants properly watered, maintained and weeded
 - Furnish transportation for workers
 - Provide adult supervision for workers under 15 years of age
 - Observe every safety precaution to protect workers
 - Protect all monuments, signs and equipment
 - Return unused materials and supplies furnished by the City within one week
- Commitment to completing Approved Citizen Generated Projects and the goals created:
 - Furnish appropriate volunteer workers with adequate supervision
 - Adhere to appropriate safety standards
 - Seek input and advice from Park Commission and Public Works Department during project, if necessary
 - Secure all necessary funding prior to commencement of Project and provide proof of such to Park Commission

Program Approval: City Council approved on 5/4/2010; City Council amended on 1/18/2011

Citizen Generated Project Requests Approved Project List

- Rainwater buffer maintenance project at Rain Water Nature Area*
- Landscape Plan for various city parks
- Trail Plan at Tomann Preserve
- Build natural benches at Medina Lake Preserve, Tomann Preserve, or Rainwater Nature Area
- Buckthorn and disease tree clean up plan and removal at Medina Lake Preserve
- Shoreline stabilization project on north side of Lakeshore Park
- Build chimneys for chimney swifts in various city parks.
- Build bat houses in various city parks.
- Build nesting boxes in various city parks (i.e. wood duck houses, bluebird houses, etc.).

Note: The City is not accepting any structural projects, unless recommended by Park Commission and approved by City Council

**denotes that CIP funding may be available*

65.00 Tobacco-Free City Owned Outdoor Recreational Facilities Policy

WHEREAS, the City of Medina believes that tobacco use in the proximity of children and adults engaging in or watching outdoor recreational activities at City owned or operated facilities is detrimental to their health and can be offensive to those using such facilities; and

WHEREAS, the City has a unique opportunity to create and sustain an environment that supports a non-tobacco norm through a tobacco-free policy, rule enforcement, and adult-peer role modeling on City-owned outdoor recreational facilities; and

WHEREAS, the City believes parents, leaders, and officials involved in recreation are role models for youth and can have a positive effect on the lifestyle choices they make; and

WHEREAS, the tobacco industry advertises at and sponsors recreational events to foster a connection between tobacco use and recreation; and

WHEREAS, cigarettes, once consumed in public spaces, are often discarded on the ground requiring additional maintenance expenses, diminish the beauty of the City's recreational facilities, and pose a risk to toddlers due to ingestion; and

WHEREAS, the City Council determines that the prohibition of tobacco use at the City's recreational facilities serves to protect the health, safety and welfare of the citizens of our City.

Section 1: Tobacco use prohibited in outdoor recreational facilities

No person shall use any form of tobacco at or on any City-owned or operated outdoor recreational facilities, including the restrooms, spectator and concession areas, and parking lots. These facilities include playgrounds, athletic fields, parks, and walking/hiking trails.

Section 2: Enforcement

1. Appropriate signs shall be posted in the above specified areas.
2. The community, especially facility users and staff, will be notified about this policy.
3. Staff will make periodic observations of recreational facilities to monitor for compliance.
4. Any person found violating this policy may be subject to immediate ejection from the recreation facility for the remainder of the event.

Section 3: Effective Date

This policy statement is effective immediately upon the date of adoption.

Policy Approval: City Council approved on November 1, 2011.

EXHIBIT F

Individual Park Plans



Report

Hamel Legion Park Master Plan

City of Medina

City Council Approved October 6, 2009

Project Number 000190-09025-0

2335 Highway 36 W
St. Paul, MN 55113

Tel 651-636-4600
Fax 651-636-1311

www.bonestroo.com

September 10, 2009



Jodi Gallup
City of Medina
2052 County Road 24
Medina, MN 55340

Re: Hamel Legion Park Master Plan
Bonestroo File No.: 190-09-025-0

Dear Ms. Gallup and Committee Members:

It has been a pleasure to work with your advisory committee and city staff. Please find the attached report describing the park improvements along with graphics and meeting minutes from this master planning process. If you have any further questions or comments please feel free to contact me.

Sincerely,

BONESTROO

Jeff McDowell
Landscape Architect

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Landscape Architect under the laws of the State of Minnesota.

Jeff McDowell

Date: September 10, 2009 Reg. No.: 42540

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Project Description

Hamel Legion Park is the City's largest park totaling approximately 40 acres in size. The park currently features baseball and softball fields, tennis courts, basketball court, volleyball courts, playground, community building, sledding hill, seasonal ice rink, and trails. This community amenity supports a large portion of the population and the area surrounding the park continues to grow with new residents.

The City of Medina began a process to create a master plan of Hamel Legion Park to better define site uses with landscaping and identify multiple locations for site furnishings. The City's goal is to have a low maintenance plan that features drought resistant plant material and showcases native plantings. This plan will assist the City in positioning donations of trees, benches, or other park furniture. Proposed landscaping and site furnishings will be implemented in phases as resources and donations become available.

A park commission sub-committee was appointed to directly oversee the development of this plan. This sub-committee divided the park improvements into twelve areas. Each area's improvements are discussed in the following section.

Proposed Improvements

AREA #1

SOUTH SIDE OF COMMUNITY BUILDING

Currently, the south side of the community building is drenched in full sun creating a hot environment for summer functions and gatherings. Little shade and decorative landscaping add to a tired look for a popular event space.

Proposed improvements begin with the addition of shade trees. Honeylocust trees have been selected to be placed along the perimeter of the south lawn to add shade but still provide visibility to the popular destination. Pagoda dogwoods are small in stature yet still provide a cooling shade canopy. These are located adjacent to the building and are aligned with a proposed pergola structure. As this space is used for weddings and formal events, a pergola can work as a complimentary structure and provide additional shade.

'Spring snow' crabapples, a non-fruit bearing crabapple, are placed on a south axis to tie into other portions of the park and frame an attractive view from inside the community building. These small stature trees are located along the road on the south side of the building to maintain a pedestrian scale environment and provide shade.

Additional plantings are recommended along the south side of the community building where hostas currently exists. A mass planting of ornamental native grasses such as Shenandoah Switchgrass could be placed next to the building paired with a layer of Black-eyed Susans in front of the grasses. These native forms of plants are low maintenance, do not spread, and provide an attractive soft edge to the open lawn.

AREA #2

PLAYGROUND, BASKETBALL COURT

The existing playground has a nice-looking concrete edge strip around the perimeter. Currently, park users watching their kids sit on the edge of this ground level surface. The plan proposes to add a mix of picnic tables and benches around the playground under shaded areas. We recommend two benches on the north side of the container and two benches on the south side of the container. On the east side of the container, we recommend two benches and two picnic tables. A poured concrete slab adjacent to the concrete edge strip is proposed to provide a hard surface under each seating area. Discovery Elm, a smaller-sized shade tree, is proposed on the north and east side of the playground to cool these seating areas. Three to four trash and recycling receptacles should be added around the playground area to serve the new seating areas.

AREA #3

TRAILHEAD

The north trailhead currently has a patio area that includes a fountain and seating with some landscaping. A proposed sign is located at the entry of the parking lot just NE of the patio area. The concept for this area is to create a layer of plant heights and textures to add interest and definition of the space. Perennials are proposed for the front of sign with Honeysuckle shrubs

laced around the back of the sign. Pagoda Dogwoods are located on the edges of the patio area to maintain an inviting, pedestrian friendly environment paired with larger River Birch behind the dogwoods. This layering effect will tie together the new entry sign and patio and draw the users focus into the park.

The existing stone is proposed to be moved to the north side of the trail. The stone could be further emphasized by landscaping the area with native plants such as Shenandoah switchgrass and black-eyed susans.

AREA #4

DIRT LOT BEHIND BALL FIELD

Colorado Spruce trees are located along the back side of the baseball field to provide a screen for neighboring businesses and residents.

AREA #5

BACKBOARD FOR BALL FIELD

The City plans to replace the batter's eye with a chainlink fence and sunscreen. A proposed screening of Black Hills Spruce is aligned along the western perimeter of the fourplex ballfields to eventually replace the man-made screen structure.

AREA #6

TENNIS AND VOLLEYBALL COURTS

Proposed screening will occur in-between the volleyball and tennis courts. Columnar Arborvitae are proposed to provide a wind break and screening in this area. These trees produce minimal litter. Ornamental trees are located to the east of the courts to provide shade and cool seating areas for tennis players. Large hackberry shade trees are located to the west of the volleyball courts to accommodate these users.

AREA #7

BROCKTON ENTRANCE

A new entry sign will be added to this entrance. The proposed plantings will echo the style of the north entrance by utilizing a layering effect. Low maintenance, drought tolerant native shrubs and perennials should be used such as Dwarf Bush Honeysuckle and Black-eyed Susans.

AREA #8

OPEN SPACE, SLIDING HILL

The existing sledding hill shall be kept free from plantings to maintain this seasonal park use. The open space shall be broken up and defined by various tree plantings. Honeylocust are placed along the trail to provide shade and definition, yet still provide visibility and a sense of safety for park users. Large Hackberry and Bur Oak shade trees are placed in the open space area to add a definition between the sledding hill and open lawn area.

AREA #9

FOURPLEX BALL FIELDS

Road access will be improved with the concession stand project on the east and south ends of the fourplex ball field area. The plan proposes two allees of Columnar Norway Maples to dress up the area and create sight lines within the fourplex. The trees are pyramidal in shape and form added visual interest. Swamp White Oaks are proposed for screening purposes on the east edge

of the park along the existing street. Additional trees such as Sienna Glen Maples, Shamrock Lindens, and Ironwoods are proposed in areas surrounding the parking lot and near the playground to provide shade for park users who need a cool place to rest in between or after sporting events.

The west edge of the fourplex is better defined with single row of black hills spruce. Access from the open play area to the fourplex should be allowed by providing a gap in the row of spruce.

A field house is proposed for the center of the fourplex. This building will house concessions, bathrooms, and storage. Construction is planned for Fall 2009.

AREA #10

WILDLIFE BUFFER

The wildlife buffer will be left as is.

AREA #11

STORMWATER POND, SKATING RINK, AND SHELTERS

The stormwater pond will be used to irrigate ball fields and possibly other areas of the park. The skating rink will be enhanced with new tree plantings that reflect a northwoods look. These trees will surround the perimeter of the seasonal skating rink to add definition and interest. Trees proposed for this area are White Pine and Northwood Red Maple. White Pines are to be planted in the northwest corner to provide protection from winter winds. The trees should be space appropriately to allow for snow storage.

The existing shelter areas near the ice rink will be shaded with the addition of Commendation Elm trees. These trees will add visual interest and define the stormwater pond edge.

A service entrance to the outdoor skating area should be provided immediately west of the existing patio.

AREA #12

LIGHTED BALL FIELD AND REGULATION BALL FIELD

The City is currently determining grading needs for this area.



HAMEL LEGION PARK MASTER PLAN

CITY OF MEDINA

SEPTEMBER 10, 2009



LARGE SHADE TREES



COMMENDATION
ELM



HACKBERRY



HONEYLOCUST



BUR OAK



NORTHERN
PIN OAK

MEDIUM SHADE OVERSTORY TREES



SWAMP WHITE
OAK



BUR OAK



COLUMNAR
NORWAY
MAPLE



DISCOVERY
ELM



IRONWOOD



NORTHWOOD
RED MAPLE



SHAMROCK
LINDEN



SIENNA GLEN
MAPLE

EVERGREEN TREES



COLUMNAR
ARBORVITAE



BLACK HILLS
SPRUCE



COLORADO
SPRUCE



WHITE PINE

ORNAMENTAL TREES



SPRING SNOW
CRABAPPLE



PAGODA
DOGWOOD



RIVER
BIRCH

SHRUBS & PERENNIALS



DWARF BUSH
HONEYSUCKLE



BLACK-EYED
SUSANS



SHENANDOAH
SWITCHGRASS



BUFFER ZONE

The buffer zone is that strip of vegetation located between land and water. A recommended buffer is at least 15-foot, but the wider the buffer the greater the benefit. A good buffer protects the water, stabilizes the shoreline against erosion, adds beauty, and provides a very diverse habitat for wildlife, while creating a natural barrier to Canadian geese.

RAIN GARDEN

The rain garden with native plants established is a depression that allows rainwater runoff the opportunity to be absorbed into the ground, cutting down on the amount of pollution reaching lakes, creeks, and streams by up to 30%.

SWALE AREA

The swale area allows water to infiltrate through and down to the rain garden.

PERMEABLE AREAS

The permeable paver stone along the front edge of the parking lot and the permeable concrete at the head of the trail is installed on top of an infiltration bed and drain tiles which flow into the swale area and down to the rain garden.

The rain garden is designed to infiltrate the remaining run-off, except in the case of excessive rainfall, at which time the overflow from the rain garden would make its way down to the water buffer zone which has riprap and plants to filter whatever remaining impurities may be in the runoff before it reaches the lake.



Holy Name Park Shoreline Restoration Project

An educational demonstration of several Best Management Practices for storm water infiltration and erosion control.

This project is funded in part by Minnehaha Creek Watershed District



Tomann Natural Area Management Plan

December 2009

Tomann Natural Area Management Plan

Prepared by

David Thill
Hennepin County Environmental Services
For
The Minnesota Land Trust

December 2009

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Tomann Natural Area Management Plan

Medina, MN

Property Location Information

The Property Identification Number for this property is 0411823330004 and it is the parcel of land located north of the intersection of Pioneer Trail and Tomahawk Trail. (See legal description in Exhibit A of the Minnesota Land Trust Conservation Easement, Document Number 8895844).

Landscape History

This is a 16 acre parcel of land comprised of wetlands and uplands which were historically located in what is called the "Big Woods" ecosystem as part of the deciduous forest biome.

Purpose Statement

This plan is designed to provide short-term and long-term management objectives for the Tomann Natural Area conservation easement in order to meet the following goals:

- Protect, restore and/or enhance the land as closely as possible to its native vegetative communities, control invasive species, and, where possible, restore historic hydrology to wetlands on the property.
- Provide appropriate trails and the opportunity for passive recreation.
- Potentially provide signage to inform and educate citizens about natural landscapes present now and historically.
- Establish designated placement of parking areas for no more than three to four vehicles in a turnout located mostly in the right-of-way of Pioneer trail.

Current Land Cover

The current vegetative communities located on the property consist of two separate wetland systems, an Aspen forest and areas of sparse trees with introduced grasses. The vegetative communities that currently exist are a direct result of historic alterations which included logging and agricultural activities.

Appendix A is a vegetative species list of the current land cover as surveyed in the Fall of 2009. Due to the time of the year this survey was conducted this list is not all inclusive. Species that are highlighted red in this list should be considered noxious, invasive and/or pioneering which will need special attention to avoid their spread. A map is attached as part of this plan that may be used as a key to locate the areas that are designated in the plant lists provided in the appendix and throughout this plan.

Recommended Restoration Plan

The general recommendation for this management plan is to restore this parcel as closely as possible to native habitats and natural communities.

The following narrative is a recommended restoration and management plan for Tomann Park by area designation.

Area 1 & 6: These areas currently consist of sparse trees and introduced grasses. Mr. Tomann has done a very nice job of re-establishing trees in these areas to date although some of the trees are not native to the historic ecosystem. It is recommended that all future tree plantings consist of native species associated with the Maple-basswood forest ecosystem. Tree species should be selected according to the 'Field Guide to the Native Plant Communities of Minnesota, The Eastern Broadleaf Forest Province' MHs39 classification species list. As for the herbaceous layer these areas should be over seeded with native grasses and forbs in areas selected as openings and potentially developed to be interpretive prairie gardens associated with trails and signage as part of the proposed passive recreation planned for the park.

Area 2: This area is a combination of a partially drained type 2 and type 3 wetland with a Cowardin Classification of Palustrine Emergent Seasonally Flooded partially drained (PEMcd).

A recommendation for vegetative management within this wetland would include the installation of a control structure that allows for drain down. There is currently a rock check dam installed at the outlet of this site that functions somewhat well but slowly seeps giving hybrid cattail and reed canary grass a prominent foothold at this time. Maintaining water levels with drain down capability would improve the vegetative diversity of this wetland.

Buffers adjacent to this wetland basin should be enhanced with water loving shrubs such as dogwoods, elderberry, high bush cranberry, etc. to enhance wildlife habitat.

Area 3: This area is currently an Aspen forest. Invasive species that include common buckthorn will need to be controlled in this forest along with the propagation of native shrubs, wildflowers, sedge and grass species.

Area 4: This is a unique open area with sparse trees and introduced grasses currently as its vegetative cover. The thing that makes this area unique is the fact that it is surrounded by multiple habitat types making it an important area concerning habitat for a large number of wildlife species. The Aspen forest is adjacent on the north side, wetlands are located both on the east and west sides with the areas slated to be eventually restored to Maple-basswood forest adjacent on the south.

This area has been designated as a potential picnic/passive recreational area by the City of Medina and Mr. Tomann.

The recommendation here would be to restore as much of this area as possible to mesic tall grass prairie and manage the tree species that are currently there to prevent any further establishment of non-native trees.

Area 5: This area is an existing type 3 wetland according to the Circular 39 system with a classification of Palustrine Emergent Flooded partially drained (PEMFd) wetland. The drainage ditch that runs through this wetland basin cannot be altered due to multiple property owners and the fact that it is the overflow drainage for Peter Lake to the north. Recommendations for restoration of this wetland would include planting shrubs and wet to mesic native plants along the adjacent buffer. Native shrubs could include elderberry, dogwoods, high bush cranberry, etc. The shrub plantings would provide good wildlife habitat and nesting cover for migratory waterfowl and provide a food source for many species.

Other Areas:

Road Bank East of Service Road: The road bank east of the planting enclosure on the property is artificially steep due to the construction of Pioneer Trail and is susceptible to erosion. The vegetation on the road bank in this area is mostly undesirable weeds and trees such as box elder. The recommendation for this area would be for the removal of the undesirable trees and the re-grading of the road bank to provide a gentler slope and replanting it with native tree species and shrubs associated with the Maple-basswood forest ecosystem. The ground cover (herbaceous) for this area should be established with species listed in the same classification as referred to for Areas 1 and 6. Please note that the far eastern part of this property currently has fair vegetative diversity with much flatter slopes and should remain unaltered and/or vegetatively enhanced.

Implementation and Prioritization

The recommendations that follow are for prioritization of restoration on the Tomann Park property in the order given and as funding allows.

- Monitor and control noxious/invasive/pioneering vegetative species in all areas where feasible. Please see note at the end of Appendix A.
- Removal of undesirable trees along Pioneer Trail for better public viewshed and access.
- Re-grade the road bank on the east end of the property to control erosion and for the re-establishment of native vegetation.
- Re-align existing service road to follow the contour of the slope to control potential erosion issues and provide a gate for maintenance access only.
- Establish a parking turnout for public access in the area shown on the attached map key (located on the south-western end of the property). This parking area should be contained in the road right-of-way as much as possible to facilitate the parking of three or four vehicles at a time.
- Over-seeding of native mesic prairie grasses and forbs in areas 1, 4 and 6.
- Establish a soft walking trail system throughout the property with possible prairie gardens and interpretive signage.
- Restoration of the Maple basswood forest ecosystem for areas 1 and 6.
- Restore wetland located in area 2 with an appropriate control structure.

Potential Funding Sources

From year to year there is usually funding available through grant programs from federal, state and local government programs in relation to the restoration, protection and enhancement of natural resources. The following grant programs are some that have been more recently available.

- Hennepin County Natural Resources Incentive for Critical Habitat Program
- Department of Natural Resources Conservation Partners Small Grant Program
- United States Fish and Wildlife Service, Private Land Partners Program
- Conservation Amendment grants.

Along with these grant programs there are also many volunteer groups willing and able to donate their time to the restoration of natural resources.

APPENDIX A

Existing Vegetative Species Lists by Area

(Species highlighted red include noxious, invasive and pioneering species)

Area 1: Southern Open Area, west of service road

Tree Species

- Black cherry
- Green ash
- Sugar maple
- Red maple
- Silver maple
- Crab apple
- Burr oak
- Hackberry
- Eastern cottonwood
- Various apple trees
- Walnut
- Red oak
- Basswood
- Pin oak
- White spruce
- Blue spruce
- White pine

- Red pine

- **Common buckthorn - *Invasive***

Shrub Species

- Red-osier dogwood
- Staghorn sumac
- Gray dogwood
- High-bush cranberry
- **Tartarian honeysuckle - *Invasive***

Herbaceous Layer

- New England aster
- Canada goldenrod
- Common dandelion
- **Kentucky bluegrass**
- **Smooth brome grass**
- Orchard grass
- Timothy

Road Bank West of Service Road in

Area 1

Tree Species

- Sugar maple
- Hackberry
- Green ash
- White spruce
- Honey locust

Shrub Species

- Staghorn sumac

- Red-osier dogwood

- **Wild grape**

Herbaceous Layer

- **Smooth brome grass**
- Goldenrod
- **Kentucky bluegrass**
- **Crown vetch**
- **Canada thistle - *Noxious***

Area 2: West Wetland Area

Tree Species

- Sandbar willow
- Black willow
- Willow spp.
- Green ash
- Quaking aspen
- Red oak
- **Common Buckthorn - *Invasive***

Shrub Species

- Gray dogwood
- Red-osier dogwood
- Smooth sumac
- Staghorn sumac
- **Tartarian honeysuckle - *Invasive***
- Ribes
- **Wild grape**

Herbaceous Layer

- Enchanters nightshade

- Reed canary grass - Invasive
- Hybrid cattail - Invasive

- Tansy - Invasive
- Smartweed

Area 3: Aspen Forest

Tree Species

- Quaking aspen
- Bigtooth aspen
- Walnut
- Green ash
- White pine
- White spruce
- Box elder
- Colorado blue spruce
- American elm
- Red oak
- Common buckthorn - Invasive

Shrub Species

- Prickly ash
- Smooth sumac
- Red-osier dogwood
- Gray dogwood

- Tartarian honeysuckle - Invasive
- Wild grape

Herbaceous Layer

- Poison ivy - Noxious
- Meadowrue
- Kentucky bluegrass
- Virginia creeper
- Tall coneflower
- Golden rod
- Virginia waterleaf
- Coltsfoot
- Burdock
- Wild strawberry
- Cleaver
- Sedge spp.

Area 4: Opening on North Side of Property (Sparse Trees and Introduced Grasses)

Tree Species

- White spruce
- Colorado blue spruce
- Green ash
- Red pine
- Scotch pine
- Sugar maple
- Bur oak
- Walnut

Shrub Species

- Tartarian honeysuckle - Invasive
- Gray dogwood

Herbaceous Layer

- Tansy - Invasive
- Creeping charlie
- Common dandelion
- Kentucky bluegrass
- Orchard grass
- Yarrow
- Clover
- Canada thistle - Noxious
- Smooth brome grass
- Common plantain
- Blue vervain
- Goldenrod

Area 5: East Wetland Area

Tree Species

- Quaking aspen
- Sandbar willow
- Black willow
- Willow spp.

- Elm
- Box elder
- Green ash
- Common buckthorn - Invasive

Shrub Species

- Gray dogwood
- Red-osier dogwood
- Smooth sumac
- Staghorn sumac
- **Tartarian honeysuckle - Invasive**
- **Wild grape**
- Ribes

Herbaceous Layer

- Enchanters nightshade
- **Reed canary grass - Invasive**
- **Hybrid cattail - Invasive**
- **Tansy - Invasive**
- Smartweed

Area 6: Southern Open Area, east of service road **(Sparse Trees and Introduced Grasses)**

Tree Species

- Black cherry
- Green ash
- Sugar maple
- Basswood
- Red cedar
- Elm
- White pine
- River birch
- **Siberian elm**
- Honey locust
- Swamp white oak
- Walnut
- Bur oak
- Red maple
- Hackberry
- Willow
- Norway spruce

- Scotch pine
- Blue spruce
- White spruce
- Red pine
- Crab apple

Shrub Species

- Red-osier dogwood
- Gray dogwood
- Common lilac
- **Tartarian honeysuckle – Invasive**

Herbaceous Species

- Common plantain
- **Kentucky bluegrass**
- **Smooth brome grass**
- Common plantain
- Clover
- Mullen

Road Bank East of Service Road in Area 6

Tree Species

- Crab apple
- Honey locust
- **Box elder**
- Green ash

Shrub Species

- Gray dogwood
- Staghorn sumac
- **Tartarian honeysuckle - Invasive**
- **Wild grape**
- Ribes

Herbaceous Species

- **Smooth brome grass**
- Canada goldenrod
- **Daisy fleabane**
- **Ox-eye daisy**
- Common plantain
- **Canada thistle - Noxious**
- **Kentucky bluegrass**
- Common dandelion
- **Crown vetch**

East side starting at planting enclosure in Area 6

Tree Species

- Northern pin oak

- Green ash
- **Box elder**

- Black cherry
- Elm
- Apple trees
- **Siberian elm**
- Red pine

Shrub Species

- Red-osier dogwood
- Gray dogwood
- Staghorn sumac
- Smooth sumac
- **Tartarian honeysuckle – Invasive**

Herbaceous Species

- Virginia creeper

- **Poison ivy - Noxious**
- Ribes
- **Wild grape**
- **Smooth brome grass**
- Common milkweed
- Burdock
- Enchanters nightshade
- **Bull thistle - Noxious**
- **Canada thistle - Noxious**
- Cleaver
- Goldenrod
- **Reed canary grass - Invasive**
- Cocklebur

Far Eastern End past planting enclosure in Area 6

Tree Species

- Northern pin oak
- Green ash
- **Box elder**
- Elm
- Black cherry
- Sugar maple
- White oak
- Crab apple
- Black willow
- **Common buckthorn - Invasive**

Shrub Species

- Red cedar
- White spruce
- Gray dogwood
- Red-osier dogwood
- Common lilac
- **Tartarian honeysuckle - Invasive**
- **Wild grape**

- Staghorn sumac

Herbaceous Species

- Virginia creeper
- **Poison ivy - Noxious**
- Clover
- **Smooth brome grass**
- **Kentucky bluegrass**
- Burdock
- **Canada thistle - Noxious**
- Common plantain
- Mullen
- Goldenrod

NOTE: Please note that though the presence of invasive and noxious weed species was found in most areas of this easement area, in most cases, with the exception of reed canary grass and hybrid cattail in the wetland areas, the percentages of cover are minimal and easily controlled. This plan in no way infers that the reed canary grass and hybrid cattail within the wetland areas would require eradication as it is understood that it would require considerable expenditures without insured result.

Mann Natural Area

Easement Boundary

Area Boundaries

Potential Trail Alignments






Doc No 8895844 11/22/2006 12:09 PM
Certified filed and or recorded on above date:

Office of the County Recorder
Hennepin County, Minnesota
Michael H. Cunniff, County Recorder
TransID 271604

Deputy 33
Fees
\$35.50 DOC
\$10.50 SUR
\$46.00 Total

TRANSFER ENTERED
HENNEPIN COUNTY TAXPAYER SERVICES

NOV 13 2006

HENNEPIN COUNTY MN
BY  DEPUTY

CONSERVATION EASEMENT

This is a CONSERVATION EASEMENT granted by Terrance W. Tomann and Mary J. Tomann, husband and wife, (the "Owner") to the Minnesota Land Trust, a non-profit corporation organized and existing under the laws of the State of Minnesota (the "Land Trust").

RECITALS:

- A. OWNER. The Owner is the current owner of approximately 16 acres of real property located in Hennepin County, Minnesota. That real property is more fully described below as the "Protected Property."
- B. PROTECTED PROPERTY. The Protected Property is that real property legally described in Exhibit A and generally depicted on the "Property Map" in Exhibit B. Both exhibits are attached to this conservation easement and incorporated by this reference.

The Protected Property consists of a small pond, a cattail marsh, and open land. A drainage ditch running from Peter Lake traverses the Protected Property. Numerous varieties of trees have been planted in the open land in a park-like setting.

The Protected Property is currently used for tree planting, low impact outdoor recreational use, and nature observation.

The only improvement on the Protected Property is a driveway.

Just north of the Protected Property lies the Canadian Pacific Railway. Baker Park Reserve, a 2,700-acre unit of the Three Rivers Park District system, is located a few miles south and west of the Protected Property. The Protected Property lies within a conceptual greenway corridor established by the City of Medina.

C. MINNESOTA LAND TRUST. The Minnesota Land Trust is a non-profit corporation organized and operated exclusively for charitable and educational purposes, including the preservation and protection of land in its natural, scenic or other open space condition. The Land Trust is a public charity as defined in Sections 501(c)(3) and 509(a) of the Internal Revenue Code and an organization qualified to hold conservation easements under Minnesota law and Section 170(h) of the Internal Revenue Code and related regulations.

D. CONSERVATION VALUES. The Protected Property has the following natural, scenic and open space qualities of significant importance:

- The undeveloped wetlands, grasslands, and forest of the Protected Property provide habitat to a variety of plants, animals, and aquatic communities.
- The Protected Property's undeveloped wetlands contribute to the ecological viability of nearby wetlands.
- The Protected Property lies within the greenway corridor identified by the City of Medina that links large publicly owned open spaces, or privately owned open spaces protected by a perpetual conservation easement, by means of natural or semi-natural vegetation.
- The Protected Property is a component of a regionally significant wildlife corridor and project focus area as identified by the Minnesota Department of Resources and the Metropolitan Conservation Corridors Partnership, a collaboration of public and private conservation entities.
- The Protected Property provides a view of open, undeveloped land and relatively natural wetlands visible to the public from Pioneer Trail.

Collectively, these natural, scenic and open space qualities of the Protected Property comprise its "Conservation Values."

These Conservation Values have not been and are not likely to be adversely affected to any substantial extent by the continued use of the Protected Property as described above or as authorized below or by the use, maintenance, or construction of those structures and improvements that presently exist on the Protected Property or that are authorized below.

E. **CONSERVATION POLICY.** Preservation of the Protected Property will further those governmental policies established by the following:

- Minnesota Statutes Chapter 84C, which recognizes the importance of private conservation efforts by authorizing conservation easements for the protection of natural, scenic, or open space values of real property, assuring its availability for agriculture, forest, recreational, or open space use, protecting natural resources, and maintaining or enhancing air or water quality.
- Minnesota Laws 2005, Special Session, Chapter 1, Article 2, Section 11, Subdivision 5b, which provides funding to protect important natural areas in the metropolitan region.
- Minnesota Statutes Sections 103A.201 and 103A.202, which specifically promote the protection of wetlands.

F. **CONSERVATION INTENT.** The Owner and the Land Trust are committed to protecting and preserving the Conservation Values of the Protected Property in perpetuity. Accordingly, it is their intent to create and implement a conservation easement that is binding upon the Owner and all future owners of the Protected Property and that conveys to the Land Trust the right to protect and preserve the Conservation Values of the Protected Property for the benefit of this generation and generations to come.

CONVEYANCE OF CONSERVATION EASEMENT:

Pursuant to the laws of the State of Minnesota, and in particular Minnesota Statutes Chapter 84C, and in consideration of the facts recited above and the mutual covenants contained herein and as an absolute and unconditional gift, the Owner hereby conveys and warrants to the Land Trust and its successors and assigns a perpetual conservation easement over the Protected Property. This conservation easement consists of the following rights, terms, and restrictions (the "Easement"):

1. **CONSERVATION PURPOSE.** The purpose of this Easement is to preserve and protect in perpetuity the Conservation Values of the Protected Property identified above by confining the development, management and use of the Protected Property to activities that are consistent with the preservation of these Conservation Values, by prohibiting activities that significantly impair or interfere with these Conservation Values, and by providing for remedies in the event of any violation of this Easement.

The terms of this Easement are specifically intended to provide a significant public benefit by:

- Protecting the wetlands of the Protected Property and improving water quality.
- Protecting the relatively natural habitat of the Protected Property for plants and wildlife.
- Preserving the open and natural character of the Protected Property for scenic enjoyment by the general public from Pioneer Trail.

2. **LAND USE RESTRICTIONS.** Any activity on or use of the Protected Property that is inconsistent with the purposes of this Easement is prohibited. This prohibition specifically includes any intrusion or future development that would interfere with the essential scenic quality of the Protected Property or the visual enjoyment of the open and natural character of the Protected Property by the general public. Except as specifically permitted in section 3 below and without limiting the general prohibition above, restrictions imposed upon the Protected Property expressly include the following:

- 2.1. Industrial and Commercial Activity. No industrial or commercial use of the Protected Property is allowed.
- 2.2. Agricultural Use. No agricultural use of the Protected Property is allowed. This includes no tilling, plowing, commercially cultivating row crops, keeping or grazing livestock, haying, and feedlots.
- 2.3. Residential Development. No residential use or development of the Protected Property is allowed.
- 2.4. Right of Way. No right of way shall be granted across the Protected Property in conjunction with any industrial, commercial, or residential use or development of other land not protected by this Easement.
- 2.5. Division of the Protected Property. The Protected Property may not be divided, subdivided, or partitioned. The Protected Property may be conveyed only in its entirety as a single parcel, regardless of whether it now consists of separate parcels, was acquired as separate parcels, or is treated as separate parcels for property tax or other purposes.

This provision does not, however, prohibit the division of the Protected Property when a portion of the Protected Property is being conveyed to a conservation organization described in section 7.1 of this Easement.

- 2.6. Density. No portion of the Protected Property may be used to satisfy land area requirements for other property not subject to this Easement for purposes of calculating building density, lot coverage, or open space under otherwise applicable laws, regulations, or ordinances controlling land use. No development rights that

have been encumbered or extinguished by this Easement may be transferred to any other property.

- 2.7. Structures and Improvements. No temporary or permanent buildings, structures, utilities, roads or other improvements of any kind may be placed or constructed on the Protected Property except as specifically authorized in section 3 or as set forth below:

- a. Utilities. Utility systems and facilities may be installed, maintained, repaired, extended, and replaced only to serve uses and activities specifically permitted by this Easement.

Utility systems and facilities include, without limitation, all systems and facilities necessary to provide on-site power, fuel, water, waste disposal, and communication but do not permit communication towers, wind turbines, or similar structures, without the prior written approval of the Land Trust.

Permitted utility systems and facilities shall be installed or constructed with minimal grading and disturbance to vegetation. Following installation or construction, the surface shall be restored in a timely manner to a condition consistent with the conservation purposes of this Easement.

- b. Signs. No billboards or other signs may be placed or erected on the Protected Property except for small, unlighted signs for informational or interpretive purposes.
- c. Roads and Trails. Existing roads may be maintained or improved but may not be widened or relocated without the prior written approval of the Land Trust. A small parking area and associated driveway may be installed, with size and location approved by the Land Trust, to serve the passive recreational and educational uses allowed under section 3.2 of this Easement.

Paved or unpaved paths or pedestrian trails may be established on the Protected Property for passive recreational and educational uses. Horses, bicycles and motorized vehicles are prohibited.

No other roads or other rights of way may be established or constructed on the Protected Property without the prior written approval of the Land Trust.

- d. Fences. Fences may be constructed, maintained, improved, replaced or removed to mark boundaries, to secure the Protected Property, or as needed in carrying out activities permitted by this Easement.
- e. Outdoor Lighting. No permanent outdoor lighting is allowed.

- 2.8. Dumping. No trash, non-compostable garbage, hazardous or toxic substances, junk, or other unsightly material may be dumped or accumulated on the Protected Property.

- 2.9. Mining. No mining, drilling, exploring for, or removing of any minerals or fossil fuels from the Protected Property is allowed.
- 2.10. Topography And Surface Alteration. No alteration or change in the topography or the surface of the Protected Property is allowed. This includes no ditching, draining or filling and no excavation or removal of soil, sand, gravel, rock or other materials, except as incidental to activities or uses specifically permitted by this Easement. This provision does not prohibit the City of Medina's reasonable maintenance of the Peter Lake drainage ditch, which traverses the Protected Property in the location generally depicted on the Property Map.
- 2.11. Water. No alteration or manipulation of natural watercourses, lakes, shorelines, wetlands or other surface or subsurface bodies of water or creation of new wetlands or water bodies is allowed except as follows:

- a. As reasonably necessary for the maintenance of the Peter Lake drainage ditch.
- b. To restore or enhance wildlife habitat or native biological communities.
- c. To improve or enhance the function and quality of existing wetlands. Any alteration or creation of water bodies must be undertaken in accordance with a habitat management plan approved by the Land Trust under section 3 below.

No activities on or uses of the Protected Property that cause significant erosion or are seriously detrimental to water quality or purity are allowed.

- 2.12. Vegetation Management. No removal, cutting, pruning, trimming or mowing of any trees or other vegetation, living or dead, and no introduction of non-native species is allowed except as follows:
- a. In conjunction with park and habitat management activities as specifically permitted in section 3 below.
 - b. As reasonably required to construct and maintain structures, a parking area, roads, trails and other improvements permitted under this Easement provided that vegetation shall be restored following any construction to a condition consistent with the conservation purposes of this Easement.
 - c. As reasonably required to prevent or control insects, noxious weeds, invasive vegetation, disease, fire, personal injury, or property damage.
- 2.13. Vehicles. With the exception of the driveway and parking lot, and with the exception of permitted construction and maintenance and emergency vehicles, no motorized vehicles shall be operated on the Protected Property.

Limited off-road use of motorized vehicles is allowed in conjunction with park and habitat management or restoration as permitted in section 3 and in conjunction with the construction and maintenance of trails permitted in section 2.7.

3. **RESERVED RIGHTS.** The Owner retains all rights associated with ownership and use of the Protected Property that are not expressly restricted or prohibited by this Easement. The Owner may not, however, exercise these rights in a manner that would adversely impact the Conservation Values of the Protected Property. Additionally, the Owner must give notice to the Land Trust before exercising any reserved right that might have an adverse impact on the Conservation Values associated with the Protected Property.

Without limiting the generality of the above, the following rights are expressly reserved and the Owner may use and allow others to use the Protected Property as follows:

- 3.1. **Right to Convey.** The Owner may sell, give, lease, bequeath, devise, mortgage or otherwise encumber or convey the Protected Property.
- a. Any conveyance or encumbrance of the Protected Property is subject to this Easement.
 - b. The Owner will reference or insert the terms of this Easement in any deed or other document by which the Owner conveys title to the Protected Property.
 - c. The Owner will notify the Land Trust of any conveyance within fifteen (15) days after closing and will provide the Land Trust with the name and address of the new owner and a copy of the deed transferring title.
 - d. If the Protected Property is owned in trust, the Owner shall notify the Land Trust of any change in trustees and provide the Land Trust with the name and address of successor trustees.
 - e. The enforceability or validity of this Easement will not be impaired or limited by any failure of the Owner to comply with this subparagraph.
- 3.2. **Recreational and Educational Uses.** The Protected Property may be used for hiking, cross-country skiing, nature observation or study, and other similar passive or low impact recreational and educational programs or activities.

Minor rustic structures such as tents, picnic tables and shelters, trail barriers, benches, train-viewing platforms and informational kiosks may be placed on the Protected Property in conjunction with these activities.

A small parking area and related driveway as provided in section 2.7 above also may be constructed and maintained in conjunction with recreational and educational uses.

The Protected Property may not be used for more than minimal commercial recreational purposes.

- 3.3. **Park and Habitat Management.** The Protected Property may be used for the planting and maintenance of trees, and to create, maintain, restore, or enhance habitat for wildlife and native biological communities in accordance with a Park and Habitat Management Plan approved by the Land Trust in writing. The Park and Habitat

Management Plan must be revised upon transfer of the Protected Property to a new owner.

4. LAND TRUST'S RIGHTS AND REMEDIES. In order to accomplish the purposes of this Easement to preserve and protect the Conservation Values of this Easement, the Land Trust has the following rights and remedies:

- 4.1. Right to Enter. The Land Trust has the right to enter the Protected Property at reasonable times and in a reasonable manner for the following purposes:
 - a. To inspect the Protected Property and to monitor compliance with the terms of this Easement.
 - b. To obtain evidence for use in seeking judicial or other enforcement of this Easement.
 - c. To survey or otherwise mark the boundaries of all or part of the Protected Property if necessary to determine whether there has been or may be a violation of this Easement.
 - d. To otherwise exercise its rights under this Easement.
- 4.2. Right of Enforcement. The Land Trust has the right to prevent or remedy violations of this Easement through appropriate judicial action brought in any court of competent jurisdiction against the Owner or other responsible party.
 - a. Notice. The Land Trust may not initiate judicial action until the Owner has been given notice of the violation, or threatened violation, of this Easement and a reasonable opportunity to correct the situation. This provision shall not apply if, in the sole discretion of the Land Trust, immediate judicial action is necessary to prevent or mitigate significant damage to the Conservation Values of the Protected Property or if reasonable, good faith efforts to notify the Owner are unsuccessful.
 - b. Remedies. Remedies available to the Land Trust in enforcing this Easement include the right to request temporary or permanent injunctive relief for any violation or threatened violation of this Easement, to require restoration of the Protected Property to its condition at the time of this conveyance or as otherwise necessitated by a violation of this Easement, to seek specific performance or declaratory relief and to recover damages resulting from a violation of this Easement or injury to any Conservation Values protected by this Easement.

These remedies are cumulative and are available without requiring the Land Trust to prove actual damage to the Conservation Values protected by this Easement. The Land Trust and the Owner also recognize that restoration, regardless of cost, may be the only adequate remedy for certain violations of this Easement.

The Land Trust is entitled to seek expedited relief, ex parte if necessary, and shall not be required to post any bond applicable to a petition for such relief.

- c. Costs of Enforcement. The Owner shall be responsible for all reasonable costs incurred by the Land Trust in enforcing this Easement, including without limitation costs of suit, attorneys' fees, and expenses related to restoration of the Protected Property. If, however, the Owner ultimately prevails in a judicial enforcement action, each party shall be responsible for its own costs and attorneys' fees.
 - d. Discretionary Enforcement. Enforcement of the terms of this Easement is solely at the discretion of the Land Trust. The Land Trust does not waive or forfeit the right to take any action necessary to assure compliance with the terms of this Easement by any delay or prior failure of the Land Trust in discovering a violation or initiating enforcement proceedings.
 - e. Acts Beyond Owner's Control. The Land Trust may not bring any action against the Owner for any change to the Protected Property resulting from causes beyond the Owner's control, such as changes caused by fire, flood, storm, natural deterioration or the unauthorized acts of persons other than the Owner or the Owner's agents, employees or contractors or resulting from reasonable actions taken in good faith under emergency conditions to prevent or mitigate damage resulting from such causes.
 - f. Right to Report. In addition to other remedies, the Land Trust has the right to report any environmental concerns or conditions or any actual or potential violations of any environmental laws to appropriate regulatory agencies.
- 4.3. Signs. The Land Trust has the right to place on the Protected Property signs that identify the land as protected by this Easement. The number and location of any signs are subject to the Owner's approval.
- 4.4. Limitation on Rights. Nothing in this Easement gives the Land Trust the right or responsibility to exercise physical control over day-to-day operations on the Protected Property or to become involved in management decisions involving the use, handling or disposal of hazardous substances or to otherwise become an operator of the Protected Property within the meaning of the Comprehensive Environmental Response, Compensation and Liability Act, the Minnesota Environmental Response and Liability Act, or other similar successor statutes or laws whether federal, state or local in nature, regarding responsibility for environmental conditions associated with contamination.

5. PUBLIC ACCESS.

Nothing in this Easement gives the general public a right to enter upon or use the Protected Property where no such right existed prior to the conveyance of this Easement.

6. DOCUMENTATION.

The current uses of the Protected Property, the state of any existing improvements, and the specific Conservation Values of the Protected Property that are briefly described in this Easement will be more fully described in a property report on file at the office of the Land Trust. The Owner and the Land Trust acknowledge that this property report will accurately represent the condition of the Protected Property at the time of this conveyance and may be used by the Land Trust in monitoring future uses of the Protected Property, in documenting compliance with the terms of this Easement and in any enforcement proceeding. This property report, however, is not intended to preclude the use of other information and evidence to establish the present condition of the Protected Property in the event of a future controversy.

7. GENERAL PROVISIONS.

- 7.1. Assignment. This Easement may be assigned or transferred by the Land Trust only to a conservation organization which is a qualified organization under Section 170(h) of the Internal Revenue Code and related regulations and which is authorized to hold conservation easements under Minnesota law. Any future holder of this Easement shall have all of the rights conveyed to the Land Trust by this Easement. As a condition of any assignment or transfer, the Land Trust will require any future holder of this Easement to continue to carry out the conservation purposes of this Easement in perpetuity.

The Land Trust will notify the Owner of any assignment within fifteen (15) days of the assignment and will provide the Owner with the name and address of the new holder.

- 7.2. Amendment. Under appropriate circumstances, this Easement may be modified or amended. However, no amendment or modification will be allowed if, in the sole and exclusive judgment of the Land Trust any of the following apply:

- The amendment does not further the purposes of this Easement.
- The amendment will adversely impact the Conservation Values protected by this Easement.
- The amendment affects the perpetual duration of the Easement.
- The amendment affects the validity of the Easement under Minnesota law or the status of the Land Trust under Sections 501(c)(3) and 170(h) of the Internal Revenue Code.

Any amendment or modification must be in writing and recorded in the same manner as this Easement.

7.3. Extinguishment. Extinguishment or termination of this Easement is subject to the following:

- a. This Easement may be extinguished only through judicial proceedings and only under either of the following circumstances:
 - Unexpected change in the conditions of or surrounding the Protected Property makes the continued use of the Protected Property for the conservation purposes set out above impossible or impractical.
 - Pursuant to the proper exercise of the power of eminent domain.
- b. The Owner recognizes that uses of the Protected Property prohibited by this Easement may, in the future, become more economically viable than those uses permitted by the Easement. The Owner also recognizes that neighboring properties may, in the future, be put entirely to uses not permitted on the Protected Property by this Easement.

The Owner and the Land Trust believe that such changes will increase the public benefit provided by this Easement. Therefore, such changes are not considered unexpected changes and shall not be deemed to be circumstances justifying the extinguishment of this Easement as otherwise set forth above.

7.4. Proceeds. If this Easement is extinguished or terminated in whole or in part, the Land Trust is entitled to a portion of any proceeds of a sale, exchange or involuntary conversion in an amount that is equal to the fair market value of this Easement at the time of the extinguishment but that is not less than an amount equal to the proportionate value that this Easement bears to the value of the Protected Property as a whole at the time of this conveyance. The Land Trust shall use its share of any proceeds in a manner consistent with the conservation purposes of this Easement.

7.5. Warranties. The Owner represents and warrants as follows:

- a. The Owner is the sole owner of the Protected Property in fee simple and has the right and ability to convey this Easement to the Land Trust.
- b. The Protected Property is free and clear of all encumbrances other than those subordinated to this Easement.
- c. The Owner has no actual knowledge of any use or release of hazardous waste or toxic substances on the Protected Property that is in violation of a federal, state, or local environmental law and will defend, indemnify and hold the Land Trust harmless against any claims of contamination from such substances.

7.6. Real Estate Taxes. The Owner shall pay all real estate taxes and assessments levied against the Protected Property, including any levied against the interest of the Land Trust created by this Easement. The Land Trust may, at its discretion, pay any

outstanding taxes or assessments and shall then be entitled to reimbursement from the Owner.

7.7. Ownership Costs and Liabilities. The Owner retains all responsibilities and shall bear all costs and liabilities of any kind related to the ownership, operation, upkeep and maintenance of the Protected Property. The Owner agrees to defend, indemnify, and hold the Land Trust harmless from any and all costs or liability for any personal injury or property damage occurring on or related to the Protected Property or the existence of this Easement. The Owner will name the Land Trust as an additional insured on any general liability insurance policy carried by the Owner with respect to the Protected Property.

7.8. Notice and Approval. Any notice or request for approval required by this Easement must be in writing and is subject to the following:

- a. Delivery. Any required notice or request for approval must be delivered personally or sent by first class mail or other nationally recognized delivery service to the appropriate party at the following addresses (or other address specified in writing):

To the Owner:
Terrance and Mary Tomann
4022 Tomahawk Trail
Medina, MN 55340

To the Land Trust:
Minnesota Land Trust
2356 University Avenue West
St. Paul, MN 55114

- b. Timing. Unless otherwise specified in this Easement, any required notice or request for approval must be delivered at least 30 days prior to the date proposed for initiating the activity in question.
- c. Content. The notice or request for approval must include sufficient information to allow the Trust to make an informed decision on whether any proposed activity is consistent with the terms and purposes of this Easement. At a minimum, this would include (i) the location, nature, and scope of the proposed activity, (ii) the proposed use, design, and location of any building, structure or improvement and (iii) the potential impact on the Conservation Values of the Protected Property.
- d. Approval. The Land Trust may withhold its approval if it determines that the proposal is inconsistent with the terms or purposes of this Easement or lacks sufficient information to allow the Land Trust to reach an informed decision. The Land Trust may condition its approval on the Owner's acceptance of modifications, which would, in the Land Trust's judgment, make the proposed activity consistent with the Easement or otherwise meet any concerns.

- 7.9. Binding Effect. This Easement shall run with and burden the Protected Property in perpetuity. The terms of this Easement are binding and enforceable against the current Owner of the Protected Property, all successors in title to the Protected Property and all other parties entitled to possess or use the Protected Property.

This Easement creates a property right immediately vested in the Land Trust and its successors and assigns that cannot be terminated or extinguished except as set out herein.

If at any time the Land Trust or other holder of this Easement becomes the owner of all or a portion of the fee interest in the Protected Property, this Easement shall not be deemed to merge with the underlying fee interest but shall remain in force and effect unless otherwise terminated or extinguished as set out herein.

- 7.10. Definitions. Unless the context requires otherwise, the term "Owner" includes, jointly and severally, the current owner or owners of the Protected Property identified above and their personal representatives, heirs, successors and assigns in title to the Protected Property. The term "Land Trust" includes the Minnesota Land Trust and its successors or assigns to its interest in this Easement.
- 7.11. Termination of Rights and Obligations. A party's rights and obligations under this Easement terminate upon the transfer or termination of that party's interest in this Easement or the Protected Property, provided, however, that any liability for acts or omissions occurring prior to the transfer or termination will survive that transfer or termination.
- 7.12. Recording. The Land Trust will record this Easement in a timely manner in the official records for the county in which the Protected Property is located. The Land Trust may re-record this Easement or any other documents necessary to protect its rights under this Easement or to assure the perpetual enforceability of this Easement.
- 7.13. Controlling Law and Construction. This Easement shall be governed by the laws of the State of Minnesota and construed to resolve any ambiguities or questions of validity of specific provisions in favor of giving maximum effect to its conservation purposes and to the policies and purposes of Minnesota Statutes Chapter 84C.
- 7.14. Severability. A determination that any provision or specific application of this Easement is invalid shall not affect the validity of the remaining provisions or any future application.
- 7.15. Additional Documents. The Owner agrees to execute or provide any additional documents reasonably needed by the Land Trust to carry out in perpetuity the provisions and the intent of this Easement, including, but not limited to any documents needed to correct any legal description or title matter or to comply with any federal, state, or local law, rule or regulation.
- 7.16. Entire Agreement. This document sets forth the entire agreement of the parties with respect this Easement and supersedes all prior discussions or understandings.

- 7.17. Counterparts. This Easement may be executed in one or more counterparts, each of which shall be deemed an original. The signatures to this Easement may be executed and notarized on separate pages and when attached to this document shall constitute one complete document.

IN WITNESS WHEREOF, the Owner has voluntarily executed this Conservation Easement on the 30th day of October, 2006.

OWNER:

Terrance W. Tomann
Terrance W. Tomann

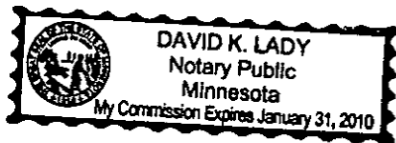
Mary J. Tomann
Mary J. Tomann

State of MINNESOTA)

County of Hennepin)

) ss

The foregoing instrument was acknowledged before me this 30th day of October, 2006, 2006, by Terrance W. Tomann and Mary J. Tomann, husband and wife.



David K. Lady
Notary Public
My Commission Expires: 01/31/2010

ACCEPTANCE

The MINNESOTA LAND TRUST hereby accepts the foregoing Conservation Easement this 2nd day of November, 2006.

MINNESOTA LAND TRUST

By: _____

Title: President

State of MINNESOTA)

County of Ramsey)

The foregoing instrument was acknowledged before me this 2nd day of November, 2006, by Jane Prohaska, the President of the Minnesota Land Trust, a non-profit corporation under the laws of the State of Minnesota, on behalf of said corporation.

Cecily Jeannette Schrader
Notary Public
My Commission Expires:



This document drafted by:

Minnesota Land Trust
2356 University Avenue West
St. Paul, MN 55114

EXHIBIT A

Legal Description of the Protected Property

Real property legally described as follows:

NT
That part of the Southwest $\frac{1}{4}$ of Section 4, Township 118 North, Range 23 West of the 5th Principal Meridian, lying Northeasterly of the centerline of the Rockford Road (also called Pioneer Trail, and formerly County Road No. 9), Southerly of the Southerly right-of-way line of the Soo Line Railway, Southwesterly of a line hereinafter referred to as "Line A", said "Line A" being described as follows:

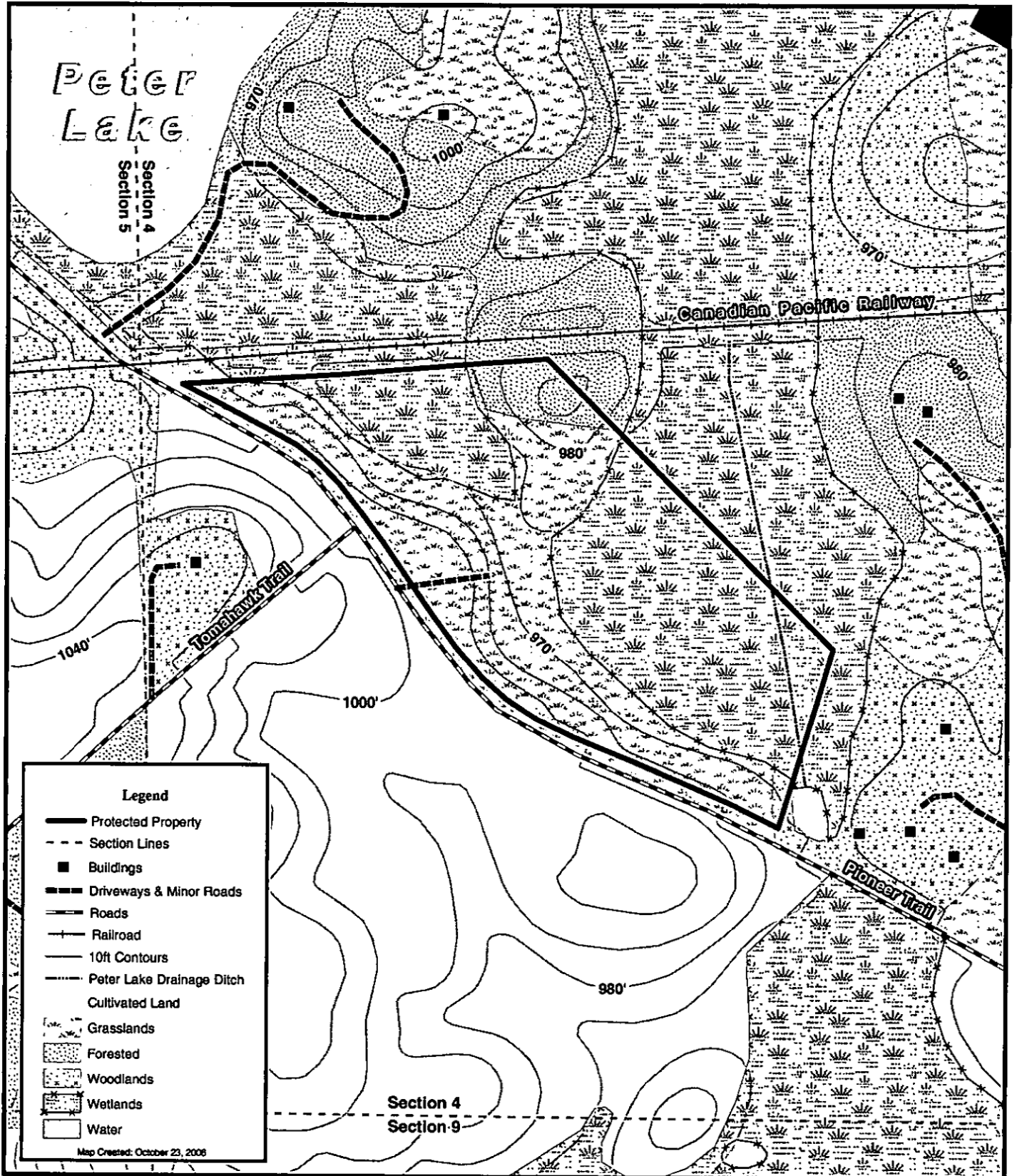
Beginning at the Southeast corner of said Southwest $\frac{1}{4}$; thence on an assumed bearing of North 45 degrees West at an angle of 45 degrees from the East line of said Southwest $\frac{1}{4}$, to the West line of said Southwest $\frac{1}{4}$, and there ending,

EXCEPT that part thereof lying Southeasterly of a line described as follows:

Commencing at the Southeast corner of said Southwest $\frac{1}{4}$; thence Northwesterly along said above-described "Line A" a distance of 1520 feet to the point of beginning of the line being described; thence deflecting left 118 degrees to said centerline, and there ending, Also except road, according to the United States Government Survey thereof and situate in Hennepin County, Minnesota.

Hennepin County, Minnesota.

Exhibit B: Property Map



Map Resource Information

Section Lines obtained from USGS Topographic Maps. Protected Property, Buildings, Roads, Driveways & Minor Roads, Railroads, 10-Foot Contours, Cultivated Land, Grasslands, Forests, Woodlands, Wetlands, and Water created by Community GIS Services Inc. Users of this map agree and acknowledge that Community GIS Services Inc. and the Minnesota Land Trust cannot be held liable for accuracy of GIS material provided. GIS materials should not be relied upon to establish legal title, boundary lines, or locations of improvements.

Site: Tomann Park - Tract Tomann
Hennepin County - Twp. 118 N Rng. 23 W Sec. 4



Scale:
1" = 300'



300 150 0 300 Feet

Rainwater Nature Area Design Recommendations

Prepared by Fortin Consulting, Inc. April 2008

Overall Recommendations:

- The walking trail will be a 6 foot wide mowed trail approximately 1825 feet long (0.35 mile). Adding the length of the bike trail to loop back to the path increases the total length to approximately 2425 feet or .5 mile. Location of the trail is limited by site steepness and hydrology.
- We recommend the use of a flail mower to maintain the trail.
- Temporary trail markers may be needed until the trails become more obvious. These could be piles of rocks or wood markers.

Area 1: Upland/woodland area recommendations 2008:

Timing: It would be best if you can select a restoration contractor and get them to work immediately so they can do site preparations necessary for an early summer seeding. They cannot do hot summer native seeding. If it runs late it will be a dormant late fall seeding, thus no visible progress for the park this summer.

Clean up & repair:

- Remove old orange silt fence on eastern boundary of park
- Remove railroad debris from north boundary of park
- There is an area of slope failure on the steep slope between the upper and lower ponds. We understand the City will repair this prior to the restoration work.

For area to be graded:

(This area will be determined by the city. It will not impact the ecological restoration of the park. Remember: No fill in the floodplain.)

- Herbicide area that will be graded if soils stay in Rainwater Park. Idea time for this is in end of April or early May.
- Install perimeter erosion control and follow other recommended erosion and sediment control practices. A compost berm could be used as downgradient sediment control.
- Grade, no fill below the 978.85 elevation
- Add at least 2 inches compost
- Till in 5 to 7 inches
- Seed with native grass seed and cover crop
- Savannah Edge Mix (5% big bluestem, 6% hairy ground chess, 3.5%canada wild rye, 2% bottlebrush grass, 6% little bluestem, 3%virginia wild rye, 3%side oats grama, .5% switchgrass,71%oats) spread 25 lbs/acre.
- Mulch with weed free straw or blanket steep slopes, alternatively compost blown over surface or spread and compacted may be used as erosion control (refer to compost specifications previously provided to City for more detail).
- Water if possible.

For all areas not newly graded:

- Herbicide all vegetation. No desirable species exist in this area other than small willows growing around the edge of the large pond.
- Burn vegetation if enough biomass exists for a controlled burn.
- Spread compost 1-2 inches over entire upland area. With the following exceptions:
 - Not in areas that will wash into the pond
 - Not needed on hard trail between two ponds
- Till in compost where practical.
- Seed area with Savannah Edge mix and cover crop.
- Mulch with weed free straw in areas of possible erosion
- Water if possible.
- Spot spray with *Transline* during the growing season to control broadleaf weeds.
- Mow if necessary to keep weeds from going to seed

South East corner:

- If this area is highly compacted as a staging area for Hamel road re-construction then it must be deep tilled before restoration.

Snow Storage:

- If parking lot is installed and area used for snow storage, every precaution should be taken to prevent solids mixed into snow from entering the ponds. The ponds will only work properly if kept at the optimal depth. Once they start to fill in, they will need to be excavated. The City should know the optimal pond depths and monitor this. When the pond depths area reduced, pond maintenance is required to protect Elm Creek.
- Snow storage at Rainwater Natural area should be on a hard surface. In case any snow is dumped off of the hard surface a berm should be created to stop the migration of solids into the pond.
- The most proactive strategy for reducing maintenance costs and protecting Elm Creek is to store snow on a hard surface where solids can be recovered each spring.

Boulevard area (shown as a green stripe on map) About 2,500 sq ft
(Assume 5 feet wide)

Trees – If the City plants trees in the boulevard in Uptown Hamel, continue using tree species used in Uptown Hamel if they are native species so there is a continuous look. (Oak, Maple, Basswood...).

To prepare boulevard

- spray and kill all existing invasive plants
- spread compost 1 -2 inches over soils
- Spread 3 inches shredded wood mulch over compost. Make sure mulch is not higher than curb and likely to wash into street.
- Planting – If the City will not be able to water the plants during the first growing season then use water absorbing crystals under the plants. Water in plants during planting to hydrate the crystals.

Boulevard option 1:

- Plant with native honeysuckle, *Diervilla lonicera* (250 plants, \$2,000 - \$2,500). Very low maintenance. Spacing 3 -4 feet. Grows to about 4 feet tall. Small yellow bloom in May. Some of these shrubs will also be integrated into the upland planting to make the boulevard blend somewhat into the natural area. Downside is low diversity, doesn't represent a true wild area. Will have a "neater" appearance.

Boulevard option 2:

- Native grasses with optional flowers.

- Purchase small grass/flower plugs (1,200 plants, \$600-\$1200 depending on where you purchase them). Little Bluestem, Side-Oats Grama, Butterfly Milkweed. See optional wildflower suggestions if the City is willing to invest more maintenance time into a blooming boulevard. (Black-Eyed Susans and others would be a great look but would require more work).
- Plant plugs 1.5 foot spacing.
- Grass - Where turf grass was used in uptown Hamel switch to native grasses as you border the park. To make this part of Hamel Road look better sooner, we suggest using plant plugs of little bluestem, side-oats grama and butterfly milkweed. They should be planted through the mulch at 1 foot spacing. These plants can tolerate transline as a broadleaf weed control. Eventually we expect weeds to grow through the mulch from the seed bank below.

Bike Path (shown as a white stripe on Area 1 map)

- Assumed 5 foot wide paved trail.
- No vegetation.

Small ½ circle planting and park sign (500 sq/ft). (This would be in the center of the future parking lot.) Include Rainwater Natural area sign carved in a large rock. Surrounded in back by a few native shrubs and trees. Highlighted in front with shredded wood mulch and either little bluestem, side oats grama grass and butterfly milkweed or bush honeysuckle (depending on what is selected for boulevard)

Picnic area (400 sq/ft) – between ½ circle planting and large pond. Circle planting to provide some privacy from street. Place small amount of crushed rock, put large table rock and smaller sitting rocks in crushed rock area. (Note: this area would be moved to the west if parking lot is installed).

Seating area northwest corner of big pond - place 2 or three sitting rocks at as a scenic overlook to the big pond or the lower pond. Leave room between the rocks for easy access to sit on rock at any angle. Under rocks put a small area of crushed rock. This area should be easily accessed by trail running across the top of the pond.

Area 1: General recommendations 2009 and beyond:

Weed control and planting of trees and shrubs

Trees and shrubs: A mix of big woods and mesic oak woods plants are recommended. The two plant communities complement each other and will bring more diversity into this restoration area. * indicates mesic oak species and # indicate big woods species. Species not marked by one of the symbols are species native to Hennepin County and species that would do well in this area, but are not included in the typical big woods or mesic oak woods. They can be added to the natural area to add beauty and interest. If planted in early spring, bare root plants may be available for some of these.

Native Shrub list:

- **Amelanchier interior* - Juneberry
- **Aronia melanocarpa* – Black Chokeberry
- ##*Cornus alternifolia* - Pagoda Dogwood
- * *Cornus racemosa* – Gray Dogwood
- Diervilla lonicera* – Bush Honeysuckle
- **Prunus virginiana* – Chokecherry
- **Sambucus racemosa* – Red-berried elder
- Symphoricarpos albus* - Snowberry
- **Viburnum lentago* - Nannyberry

Native Tree list:

- ##*Acer saccharum* – Sugar Maple
- **Acer rubrum* – Red Maple (wet edges)
- **Betula papyrifera* – Paper Birch
- ##*Carya cordiformis* – Bitternut Hickory
- Celtis occidentalis* – Hackberry
- **Juglans cinerea* - Butternut
- ##*Ostrya virginiana* – Ironwood
- Populus grandidentata* – big tooth aspen
- ##*Prunus Serotina* – Black Cherry
- Quercus Alba* – White Oak
- **Quercus ellipsoidalis* – Pin Oak
- ##*Quercus rubra* – Red Oak
- **Quercus macrocarpa* – Bur Oak
- ##*Tilia americana* - Basswood

Boulevard area (shown as a green stripe on Area 1 map) About 2,500 sq ft

- Assumed 5 feet wide.
- Weed

Area 1A – 36,828 sq feet 32,000 sq/ft with bike path and boulevard removed. This assumes road stays in same location, the bike path is 5 feet wide and the boulevard is 5 feet wide.

- Spray entire area with broad leaf herbicide *Transline* often enough to control broadleaf weeds. Do not spray trees and shrubs.
- Plant trees and shrubs.
- Up to 22 trees from list (40 foot spacing from tree to tree).
- Up to 156 shrubs (15 foot spacing from tree or shrub).

Area 1B- Steep slope between ponds. 13,650 sq ft.

- Spray entire area with broad leaf herbicide *Transline* often enough to control broadleaf weeds. Do not spray shrubs.
- Plant shrubs only. Do not want mature trees to someday fall over and pull out side of pond.
- Up to 67 shrubs from native shrub list (10 - 15 foot spacing from shrub to shrub).

Area 1C – South east corner of park. 6,200 sq ft flat. 6,000 sq ft on slope. Future parking area 3,300 sq/ft. Trail 270 sq ft goes through parking area. Remaining flat area would be 2,900 sq/ft.

Future parking area and pond slope behind parking area (5,100) - To ease transition from natural area to future parking and snow dumping area restrict planting in this area to grasses and shrubs. This area may look a bit unusual over time with the trees planted on either side. If the city chooses to not develop a parking area then in the future it would be a good idea to add in some of the native trees to this area. Salt tolerant species should be used in this area. (Our observations are that switchgrass, serviceberry, bergamot, chokeberry, little bluestem and marsh milkweed are somewhat salt tolerant.)

25 shrubs (15 ft spacing)

East and West of future parking area: (6,000 sq ft)

Plant with native trees and shrubs, leave hiking path clear of trees and shrubs. Do not plant any trees except the red maple, black chokeberry near or below the high water line of the pond.

7 trees (30 ft spacing)

29 shrubs (15 ft spacing)

Area 1D – Path along west edge of big pond – 2,100 sq/ft. This is a very compacted area. No restoration needed. This will be the highest elevation and best outlook as our trail leads us away from the road toward the railroad tracks along the banks of the big pond.

Area 1E – sloped areas of big pond except the side by parking lot. 14,700 sq/ft. No trees on slope between the two ponds, just shrubs and grasses. Trees along other slopes, shrubs and grasses. All species to be planted with the pond water level bounce taken into account. No trees or shrubs where the City will need access to clean pond or inlet structure. Trees and shrubs at lower elevations where they might be wet occasionally should be restricted to chokeberry and red maple.

40 shrubs (20 ft spacing)

6 trees (40 ft spacing)

Area F – Area between pond and Railroad. 6,400 sq/ft

Trees, shrubs and grasses. It is now dominated by Reed Canary Grass which is difficult to control. Some efforts should be made to control it and plant it heavily with trees and shrubs. Area of lower restoration emphasis and maintenance. Do not plant on path.

8 trees (30 ft spacing)

30 shrubs (15 ft spacing)

Wetland/Floodplain Area (Areas 2 – 5) Recommendations 2008:

General Recommendations

- The walking trail through this area may be seasonally flooded, except for the path around the lower north wetland which is elevated and will likely remain dry.
- Areas 2 -5 is entirely within the 100 year floodplain and much of it is wetland (with the exception that there may be a small area of upland on the north side of area 5. No filling may occur in this area without volume for volume mitigation and approval from the Elm Creek Watershed Commission and following Wetland Conservation Act requirements (WCA).
- There is designated floodway adjacent to the creek. No filling may occur in this area which falls under the Department of Natural Resources jurisdiction.
- No path will be created leading toward the bridge unless the bridge is replaced in the future.
- If the bridge is replaced and if snowmobile traffic is allowed. The paths should be altered from the high areas where it is currently designed to the low areas the snowmobiles use now. We want to avoid 2 areas of disturbance in the natural area.
- It would be possible to add boardwalks in the future to make the trails usable in the spring without violating floodplain and wetland rules. These would fall under the WCA requirements administered by the City.

Bridge

- The 10' x 25' bridge is in poor condition. It is believed to have been installed by the snowmobile club many years ago.
- Kate Drewry is the DNR Area Hydrologist who deals with the creek and water issues. We contacted her regarding the bridge requirements and were provided with information regarding bridge replacement.
 - A hydrologic study and permit is needed to replace the bridge unless it is a “temporary bridge”.
 - Temporary bridge- The City may replace the bridge without a study and permit if it is a swing-away or moveable bridge that would move out of the way in a flood condition.
 - Regulations for temporary bridges and permanent bridges are listed in Minnesota Rules 6115.0230 BRIDGES AND CULVERTS, INTAKES AND OUTFALLS.
- The Hamel snowmobile club is interested in maintaining a bridge crossing and is willing to discuss funding.
- The working group recommended the City trails not lead to the bridge at this time.

Area 2 – Area around the two lower ponds/wetlands. Restored to wetland fringe species. Area 2 is approximately 1.1 acres (about .4 acres of this is open water).

- Create larger vegetated buffer areas around each pond (0.7 acre area).
 - Conduct controlled burn on vegetation if enough biomass exists to burn.
 - Treat with herbicide to kill existing non-native vegetation.
 - Seed with native wet meadow or shoreline type seed mix. May need to till.
 - Example wet meadow/wet prairie seed mix (North American Prairies):

49.60% COMMON OATS
4.00% BIG BLUESTEM
4.00% AMERICAN SLOUGHGRASS
6.00% FRINGED BROME
2.00% CANADA WILD RYE
6.40% VIRGINIA WILD RYE
2.40% REED MANNA GRASS
6.40% FOWL BLUEGRASS
0.40% SWITCH GRASS
2.00% INDIAN GRASS
2.00% PRAIRIE CORD GRASS
2.00% BROWN FOX SEDGE
0.80% SOFT STEM BULRUSH
3.72% SWAMP MILKWEED

0.04% FLAT-TOPPED ASTER
0.32% SHOWY TICK TREFOIL
0.28% EARLY SUNFLOWER
0.16% PRAIRIE BLAZINGSTAR
0.04% GREAT BLUE LOBELIA
0.04% MONKEY FLOWER
0.08% BERGAMOT
1.00% GREY-HEADED CONEFLOWER
1.00% MAXIMILLIAN SUNFLOWER
1.16% PURPLE MEADOW RUE
1.16% BLUE VERVAIN
2.00% BLACK EYED SUSAN
1.00% CANADAMILKVETCH

- Mulch with weed free straw or blanket steep slopes.
- Plant shrubs on base of slope between the upper pond and lower wetland/pond and between pond/wetland and Hamel Road, below the area currently marked with white lathe. This area is within the 100 year floodplain. Plant shrubs 6 – 10 feet apart, staggered. If use of bare-root material is desired, wait until spring of 2009 to add shrubs.
 - Native Shrubs (40 – 45):
 - *Cornus sericea (stolonifera)* -Red-osier Dogwood
 - *Cornus amomum* -Silky Dogwood
 - *Viburnum triblobum* - Highbush Cranberry
 - Place shredded hardwood mulch around each shrub, 3-4” thick. First check with Elm Creek Watershed to see if this is acceptable or would be considered floodplain fill.
 - Water immediately following planting and as needed throughout the first growing season.
- Trail will be a mowed trail that will lie on the high bermed areas adjacent to the pond. As it curves to the west on the south end, parts of the trail will be wet in the spring and may not be able to be maintained. This is where a boardwalk could be installed if longer use of the trail is desired.
- Construct a small seating area in the northwest corner of Area 2 on the berm and another (optional) on the flat area between the two lower ponds. Use crushed gravel (Class 2 or 5) under seating areas for easy maintenance. Check with Elm Creek Watershed regarding requirements for fill in this floodplain area. An equal volume of soil may have to be removed and replaced by the crushed gravel so there is no net loss of flood storage.
- Place 3 boulders in each area to be used as natural seating. Alternatively, log benches, half-log or cut stump benches may be used.
- On the north side of the trail, plant sandbar willow to be used as a screen from the railroad and Highway 55 businesses.
- Clean out forebay/sediment trap in southwest corner of park.
- Do not plant trees or shrubs in area where access is needed to clean out the ponds, as determined by City.

Area 3 – Restored to Sedge meadow wetland. Area is approximately 0.8 acre.

- This is the highest priority wetland restoration effort. Remnants of the former sedge meadow were found in this area.
- The area is currently dominated by Reed Canary Grass, an invasive species. The plan is to try to control the Reed Canary Grass and bring back the sedge meadow.
- First, conduct a prescribed burn in the area, if possible, and see what returns after burn prior to taking next steps.
 - May be able to get sedge meadow species to take over and then add plugs of additional specimen plantings, such as swamp milkweed.
 - If natives do not return, treat with herbicide, such as Plateau as recommended by installation contractor.
 - May have to till and seed with native sedge meadow mix.
 - If native sedges and grasses return, additional forbs (wildflowers) could be added as plugs for interest and color.
 - Ongoing weed control- spot treatments, possible controlled burns or mowing as recommended by installation contractor.

- Example sedge meadow mix (North American Prairies):

3.00% BOTTLEBRUSH SEDGE	3.36% BLUE FLAG IRIS
0.36% TUSsock SEDGE	0.45% MEADOW BLAZINGSTAR
1.45% BROWN FOX SEDGE	0.18% GREAT BLUE LOBELIA
0.18% SLENDER RUSH	0.09% MONKEY FLOWER
0.73% DARK GREEN BULRUSH	0.18% MOUNTAIN MINT
0.09% WOOL GRASS	0.18% GIANT GOLDENROD
0.27% RIVER BULRUSH	4.82% BLUE VERVAIN
1.18% SOFT STEM BULRUSH	0.27% IRONWEED
0.45% CANADA ANEMONE	0.09% CULVER'S ROOT
7.27% SWAMP MILKWEED	2.27% TALL MEADOW RUE
0.18% SWAMP ASTER	18.18% AMERICAN SLOUGH GRASS
0.27% FLAT-TOPPED ASTER	3.64% FRINGED BROME
4.73% JOE PYE WEED	0.73% BLUEJOINT GRASS
0.18% BONESET	18.18% VIRGINIA WILD RYE
0.09% GRASS-LEAVED GOLDENROD	5.27% REED MANNA GRASS
0.18% SNEEZEWEED	0.73% FOWL MANNA GRASS
0.27% SAWTOOTH SUNFLOWER	18.18% FOWL BLUEGRASS
2.27% MAXIMILLIAN SUNFLOWER	

- Trail will be a mowed trail that will lie on the high bermed areas adjacent to the northern lower pond. Trail will jut to the west to go around the rock riprap for the emergency spillway. As it curves to the west on the south end and wraps back around to the north, parts of the trail will be wet in the spring and may not be maintained.
- Future: possible boardwalk through wettest areas on the south. Possible foot bridge (approximately 15' long) over the pond emergency spillway.

Area 4 – Wetland adjacent to Elm Creek. Supplement existing wetland shrubs and trees. Area is approximately 0.9 acre.

- This is wetland and floodway area adjacent to Elm Creek. This area currently consists of Reed Canary Grass and willows- Black Willow and Sandbar Willow. The area will be wet in the spring and during periods of flooding.
- Conduct controlled burn and observe to see what native species exist. No extensive restoration effort is recommended. Protect existing trees.
- Add native trees and shrubs (between and in front of the existing willows, spacing them 10 – 25 feet from each other and existing trees. Add about 60 trees/shrubs, more if more dense coverage is desired.
 - *Cornus sericea (stolonifera)* -Red-osier Dogwood
 - *Cornus amomum* -Silky Dogwood
 - *Salix discolor* –Pussy Willow
 - *Salix exigua*- Sandbar Willow
- Use the taller Sandbar Willow at the north end as a screen from the railroad and Highway 55 businesses.
- Water as needed, but may not be needed since this area is often wet.
- Trail in this area runs between areas 3 and 4 will be seasonally wet. It will be a mowed trail that connects back up to the bike trail along Hamel Road.
- On south end of Area 4, some of the existing small willows will have to be removed to make the trail.
- Future: possible boardwalk through wettest areas.

Area 5 – Degraded wetland and small upland area. Area is approximately 1.1 acres.

- On west side of bridge crossing Elm Creek.
- No restoration recommended at this time, until or if bridge is replaced.
- Future recommendations if bridge is replaced:
 - Plant native vegetation near the creek at the bridge crossing.
 - Spot treat the Reed Canary Grass areas and seed or plant with native wetland vegetation, similar to that in area 2.

- Add shrubs like Red twigged dogwood, high bush cranberry, Meadowsweet for color and habitat.
- Some upland area exists on the north end near the railroad tracks. This would be a good bird watching area. Consider adding a boulder or two to sit on.
- Add native shrubs to increase variety.
- Plant some large trees for screening from the railroad tracks, Willow in wetter areas, White Oak in small drier area.

Wetland/Floodplain Area 2009 and beyond:

- Inspect areas for weed problems and potential erosion problems.
- Repair any areas of erosion.
- Manage plantings as indicated by Area below.
- Continue to clean out small sediment trap by Hamel Road culvert as needed.

• Area 2

- Spot control weeds and mowing as recommended by installation contractor.
- Plant bare-root shrubs if potted shrubs not planted in 2008.
- If planted in 2008, replace any shrubs that didn't survive.

• Area 3

- Spot control weeds, mowing as recommended by installation contractor.
- Depending upon what was found in 2008, additional herbicide treatments may be needed.
- Seeding may occur in 2009.
- Possible controlled burns 2010 and beyond, as recommended by installation contractor.

• Area 4

- Plant bare-root shrubs and trees if potted materials were not planted in 2008.
- If planted in 2008, replace any shrubs that didn't survive.
- May have to prune trees to maintain trail on south end.

Plant material sources

Many of the trees and shrubs are available as bare root stock from several sources, including: Anoka Conservation District and other area Conservation Districts.

North American Prairies

Dragonfly Gardens (can provide some of their materials in bare root)

The advantage of bare root stock is it is cheaper (as little as \$1 per plant), and can be easier to plant. However, it had to be planted in early spring and almost immediately after it is delivered.

A fairly inclusive list of native plant sources is available on the Minnesota Department of Natural Resources web site at: www.dnr.state.mn.us/gardens/nativeplants/index.html.

Possible Contractors:

- North American Prairies (Annandale) Tony Borer 1-320-274-5316
- Prairie Restoration (Princeton) Kevin Walz 763-631-9426
- Applied Ecological Services (Prior Lake) Doug Mensing 952-447-1919

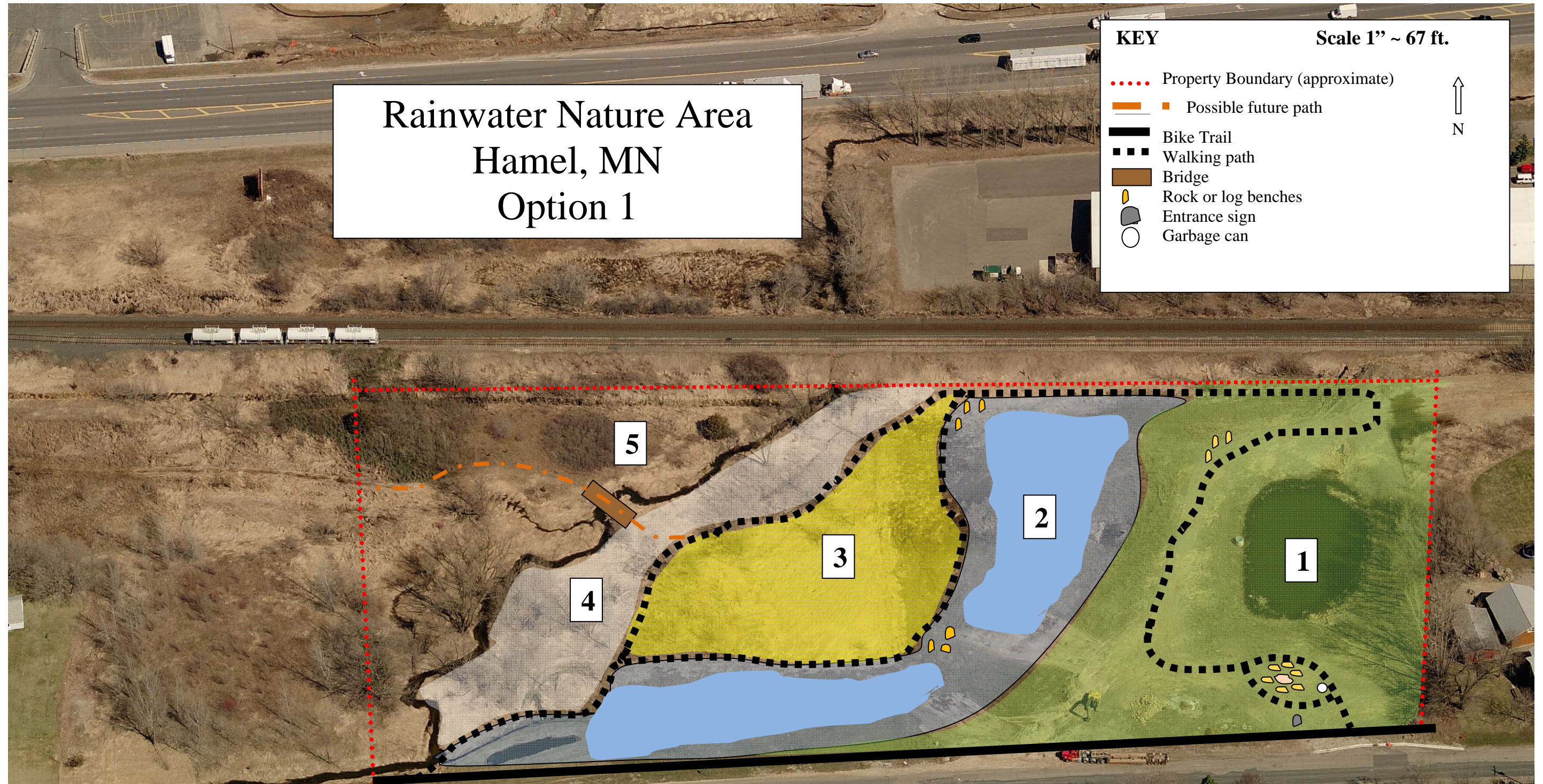
We have worked with all three of these organizations and all are very good. North American Prairies was on our design team and are familiar with some of the aspects of the project. This is not a complete list. There are several other contractors that do this type of work.

Rainwater Nature Area Hamel, MN Option 1

KEY

Scale 1" ~ 67 ft.

- Property Boundary (approximate)
- Possible future path
- Bike Trail
- - - Walking path
- Bridge
- Rock or log benches
- Entrance sign
- Garbage can



Rainwater Nature Area Hamel, MN Option 2

KEY

Scale 1" ~ 67 ft.

- Property Boundary (approximate)
- Possible future path
- Bike Trail
- - - Walking path
- Bridge
- Rock or log benches
- Entrance sign
- Garbage can
- Shaded areas 1 – 5: Restoration areas
- Parking area
- Snow storage

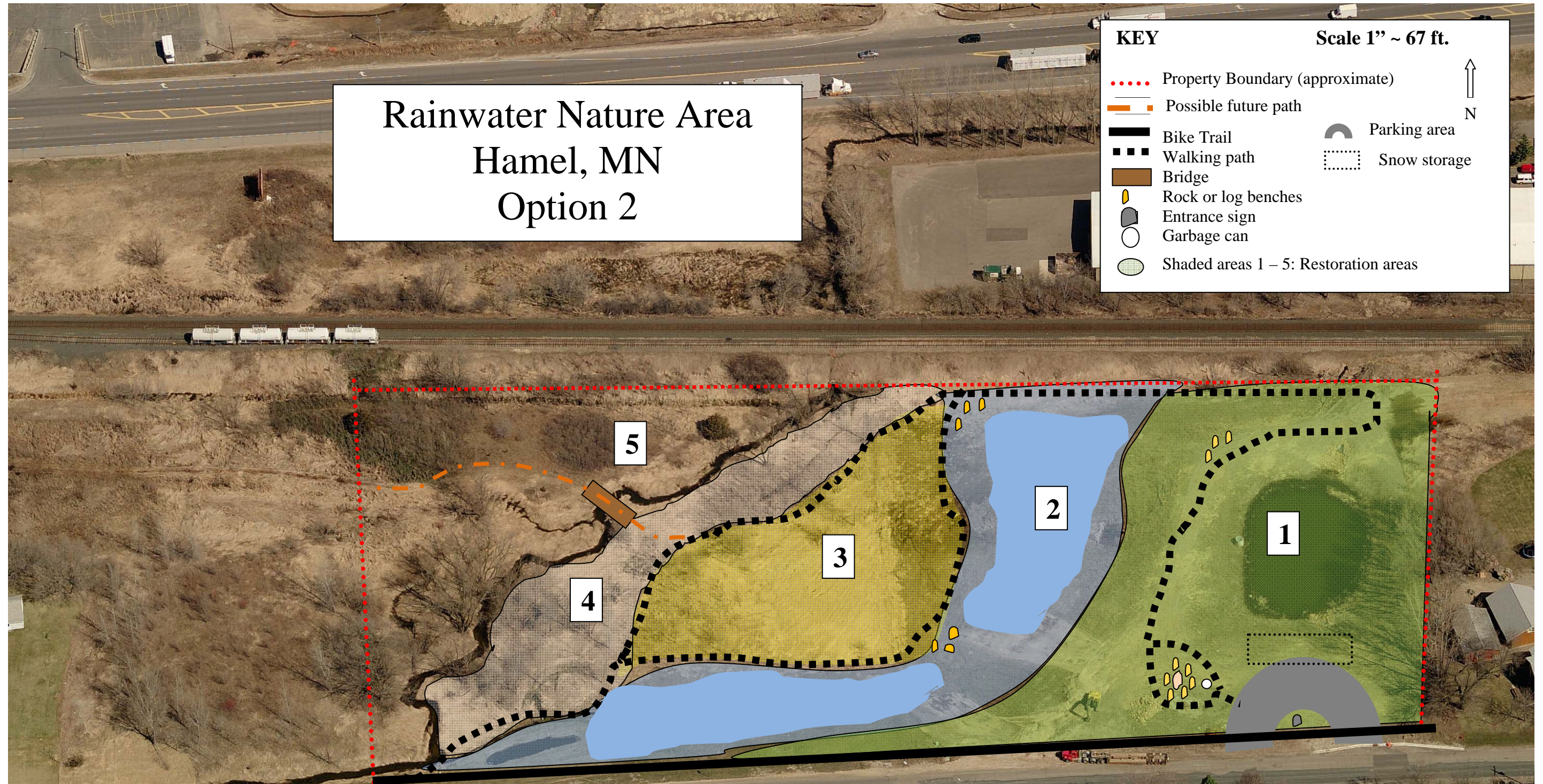


EXHIBIT G

2010-2030 Comprehensive Plan

Chapter 6: Parks, Trails, and Open Space

Chapter 6: PARKS, TRAILS, and OPEN SPACE

Introduction

This chapter assesses existing and future recreational needs of the City and recommends measures to accommodate those needs.

The methods used in preparation of this section include: a review of the Park Plan in the 2000 Comprehensive Plan; an inventory and inspection of existing park sites; and a review of existing facilities, including trail and park planning standards, proposed policies, proposed expansion, and the trail system implementation procedures.

Objectives

The following objectives support the goals and strategies identified in Chapter 2.

1. Park land will be identified and acquired pursuant to the City's Parks, Trails, and Open-Spaces Plan:
 - a) Park size should conform to Metropolitan Council definitions in Table 6-A, except mini-parks and pocket parks that may vary in size depending on the residential population they serve; and
 - b) Park sites should be of suitable size for their proposed recreational uses.
2. Park, trails, and open-space management, administration, financing, and maintenance will be the responsibility of the City Council with the recommendation and assistance of the Park Commission.
3. Financing for administration, maintenance and acquisition of the City's parks will be incorporated into the regular City budget. Other sources of park funding may include subdivision development park fees, grants, support from local organizations, private donations, and consideration of a referendum.
4. In order for the City to provide a balance of services for its residents it is important that the City's park development plans be implemented. Calling for coordinated efforts and a close working relationship between the City and its:
 - a) Residents;
 - b) City Commissions;
 - c) Outside governmental units;
 - d) Local organizations, including local school districts, riding clubs, snowmobiling clubs, athletic associations, service organizations, and outdoor recreational organizations; and
 - e) City and privately operated recreational facilities, including golf courses, playfields, and trails.
5. Where possible, recreational facilities will be designed to be barrier-free so that handicapped citizens have reasonable access to facilities.

Metropolitan Council's Parks, Trails, and Open Space System

The Metropolitan Council components of a parks, trails, and open-space system will be the basis for analyzing existing park facilities and for determining proposed park development within Medina.

TABLE 6-A
Classification for Local and Regional Open-Space ¹

Component	Use	Service Area	Site	Site Attributes	Site Location
Local Facilities					
Mini-Park	Specialized facilities that serve a concentrated or limited population or specific group such as tots or senior citizens; may be in locations such as apartment complexes, townhouse developments or commercial centers.	Less than ¼ mile radius	Less than 1 acre		
Pocket Park ²	Area for recreational activities such as field games, court games, crafts, apparatus area, skating, neighborhood centers.	1/8 to ¼ mile radius to serve a population of 200 to 1,000 neighborhoods).	1-5 acres	Physiography suited for moderate development.	Proximity to smaller neighborhoods
Neighborhood Park/ Playground	Area for intense recreational activities such as field games, court games, crafts, apparatus area, skating, neighborhood centers.	¼ to ½ mile radius to serve a population of 4,000 to 5,000 (neighborhood).	5-25 acres ³	Physiography suited for intense development.	Proximity to Elementary schools.
Community Playfield	Area for intense recreational facilities such as athletic fields and swimming pools; could include neighborhood use.	3-5 neighborhoods (community ⁴).	25-50 acres	Physiography suited for intense development.	Proximity to secondary schools and other public facilities.
Community Park	Area of natural or ornamental quality for outdoor recreation such as walking viewing, sitting, picnicking; could have some field and court games.	3-5 neighborhoods (community ⁴)	25-50 acres	Affords natural features with varied physiographic interest.	Proximity to community facilities and resources.
Conservancy Lands	Area of natural quality such as watercourses and wetlands that are preserved for environmental or aesthetic benefits to the community and/or because of the negative environmental or economic affects of development in them.	Municipality, township, county.	Variable, based on extent of resources.	Natural resources that merit preservation and would be negatively affected by development.	Where resource occurs.
Regional Facilities					
Regional Park	Area of natural or ornamental quality for nature-oriented outdoor recreation such as picnicking, boating, fishing, swimming, camping, and trail uses.	3-5 communities.	200-500 acres (100 acre minimum).	Complete natural setting contiguous to water bodies or water courses where possible.	Where natural resource occurs--particularly water.
Regional Park Reserve	Area of natural quality for nature oriented outdoor recreation such as viewing and studying nature, wildlife habitat, conservation, swimming, picnicking, hiking, boating, camping, and trail uses.	County, multi-county area.	100+ acres; Sufficient area to encompass the resource envisioned for preservation.	Diversity of unique resources, such as topography, lakes streams, marshes, flora, fauna.	Where resource occurs.
Local or Regional					
Linear Park (trails, corridors, parkways)	Area developed for one or more varying modes of recreational Travel such as hiking, biking, snowmobiling, horseback riding, cross country skiing, canoeing and driving.	Local (municipalities, townships) or regional (county multi-county area).	Sufficient width to provide protection of resource and maximum use.	Utilize human-made and/or natural linear resources such as utility corridors, rights-of way, drainage ways, bluff lines, vegetation patterns and roads.	Where linear resource occurs. Link components of recreation system. Link other community facilities such as schools, library and commercial areas.
Special Feature	Area that preserves, maintains and provides specialized or single-purpose recreational activities such as golf course, nature center, zoo, arboretum, arena, downhill ski area, and sites of historic or archaeological significance.	Metropolitan Area	Specific standard application to desired feature.	Appropriate to particular special feature.	Where most advantageous for the special feature and the overall park system.

¹ Metropolitan Council's Recreation Standards

² Designation and definition added by the City.

³ Minimum acreage modified by the City.

⁴ A grouping of neighborhoods, not a unit of government.

As discussed in the land use chapter, Medina presently has three areas (identified locally as the Hamel area, Independence Beach and Medina Morningside) with a higher population density, and has proposed higher density along the TH 55 corridor in the future. The remainder of the City consists of a relatively small population spread over a large area requiring more flexibility when determining the type and placement of parks, trails and open space. This factor is particularly relevant when considering the criteria for mini-parks and neighborhood park/playgrounds, trails and connecting trails.

The Metropolitan Council Classification System for local facilities indicates a site size of less than one acre as a mini-park and 10 to 25 acres as a neighborhood park/playground. Since Medina's population is spread over an area four and one-half miles by six miles, a more flexible size criteria is needed in these categories. Medina has added an additional category to the Metropolitan Council's classification for local and regional open-space called Pocket Parks (formerly known as Sub-Neighborhood Parks). The uses for this category are essentially the same as a neighborhood park/playground, but with less variety and some size limitations. Pocket Parks range in size from one to five acres. Because of the City's smaller neighborhood populations, the City has modified the Metropolitan Council's minimum size for neighborhood park/playgrounds to 5 acres from 10 acres.

Medina's Existing System

Additional parks, trails, and open spaces, have been added to Medina's Park System Inventory since the 2000 Comprehensive Plan including the Lake Medina Preserve, Rainwater Nature Area, Bridgewater at Lake Medina Neighborhood Park, and a Wild Meadows Neighborhood Park. Map 6-1 shows the locations of all parks, trails, and open space making up the City's existing system, and Table 6-B lists the City's parks and facilities.

A. Regional Parks

Medina's park system includes one county facility, Baker Park Reserve and one state facility, Wolsfeld Woods Scientific and Natural Area (SNA). These facilities play a significant role in the City's and Metropolitan's park system. Providing both active and passive recreational opportunities and fulfilling some of the local need for community parks and conservancy lands.

B. Local Parks

The City's park system presently includes the following sites. The facilities offered by each park can be seen in Table 6-B below.

1. **Hamel Legion Park** is almost 40 acres in size, is the largest park in the City's system and is located south of Uptown Hamel on the east boundary of the City. Although the playfield is not centrally located in the community, it serves the portion of the City with the highest current and proposed population density. This park continues to be developed.

**TABLE 6-B
Medina Park System Inventory**

Name	Acres	Special Note	Picnic Facilities	Playground	Pavilion	Softball	Baseball	Football	Playfield	Horse riding	Tennis Courts	Basketball	Ice Skating	Swimming	Fishing	Boat Landing	Warming House	Lake Access	Trails	Restrooms	Sliding	Nature Area	Undeveloped	Parking	Volleyball	Camping	Golf/ski
Mini-Parks																											
Lakeshore Park - Independence Beach	0.9		X	X										X	X	X		X		X				X			
Holy Name Lake Park	2		X												X			X		X				X			
Tuckborough Park	0.8	Private									X																
Northridge Farms Park	2.6	Private									X																
Pocket-Parks																											
Medina Morningside Park	2.4		X	X	X		X					X	X							X				X			
Maple Park	2.5					X			X												X			X			
Foxberry Farms Park	1.5	Private	X	X																							
Wild Meadows Park	193	Private																									
Bridgewater at Lake Medina	1.2	Private																									
Neighborhood																											
Rainwater Nature Area	5.8																						X	X			
Medina Lake Preserve	69.9																		X				X				
Hunter Lions Park	6.8		X	X	X						X	X								X		X		X	X		
Community Playfield																											
Hamel Legion Park	36.9		X	X	X	X	X		X		X	X	X				X		X	X	X		X	X	X		
Loretto Ball Fields	20.1	City of Loretto					X													X							
Regional Park Reserve																											
Baker Park Reserve	2,108		X	X						X				X	X	X		X	X		X	X		X	X	X	
State Natural Area																											
Wolsfeld Woods Scientific & Natural Area	180	Acres in Medina								X									X			X				X	
Special Feature Parks																											
Lake Ardmore Nature Area	18.3	Open Space Undeveloped																				X	X				
Cherry Hill Nature Area	1.5	Open Space Drainage																					X				
Walnut Park - Independence Beach	0.5	Drainage		X									X												X		
Baker National Golf Course	336	Golf Course Public																		X	X			X		X	
Spring Hill Golf Club	48.3	Golf Course Private				X														X				X		X	
Medina Golf and Country Club	225.5	Golf Course Private				X								X						X				X		X	
City Hall Site	9.2	Undeveloped Civic/Historic	X		X															X			X	X			

2. **Medina Morningside Park** is 2.4 acres in size and serves the Medina Morningside area. This park includes a small area of open space for informal games and activities, a small picnic shelter, two small baseball diamonds, and a basketball hoop.
3. **Hunter Lions Park** is 6.8 acres in size and serves the area south of Uptown Hamel. This park is large enough to function as a neighborhood park and provides a number of facilities normally associated with neighborhood parks. In 1998, a prairie restoration area was included on the west side of the park with trails in the natural area.
4. **Holy Name Lake Park** is a 2-acre mini-park located on a major county road (County Road 24) and abuts Holy Name Lake. This park was not created to service any concentrated urban development area but serves several functions: a wayside rest and picnic area; and a public access to Holy Name Lake. Holy Name Lake will be used as a lakeshore restoration demonstration area.
5. **The City Hall Site** is 9.2 acres in size and is centrally located in the City, serving the entire City as the site for Medina's City Hall and public works facilities. A portion of the property commemorates the memory of the early settlers of Medina. In addition, portions of the original Wolsfeld log cabin built in 1856 were reconstructed on the City Hall site in 1999 and it serves as a museum owned and operated by the Western Hennepin County Pioneer's Association.
6. **Lakeshore Park - Independence Beach (2975 Lakeshore Ave.)** is less than 1 acre in size and serves the Independence Beach area of the City. Situated on Lake Independence, its functions include boat access by city permit and a fishing dock. It also has playground equipment and a picnic facility.
7. **Walnut Park - Independence Beach (4653 Walnut St.)** is a half-acre drainage area also used seasonally as a park, with a basketball hoop in the summer and an ice rink in the winter. This park could be a potential demonstration area for rain garden or shoreline planting.
8. **Maple Park** is 2.5 acres in size and serves the Independence Beach area of the City in conjunction with the two other parks in the area. A ball diamond and field exists for various recreational activities.
9. **Lake Ardmore Nature Area** is 18.3 acre undeveloped nature area in the Independence Beach neighborhood consisting of several parcels of land surrounding Lake Ardmore.
10. **Cherry Hill Nature Area** is a 1.5 acre area, primarily wetlands, used for drainage of storm water from the Cherry Hill development.
11. **Medina Lake Preserve** is an 69.9 acre nature area that includes a portion of Lake Medina and several surrounding acres. Trails are in place in the wooded regions surrounding the lake.

12. **Rainwater Nature Area** is an 5.8 acre undeveloped area in the Uptown Hamel Neighborhood providing a nature preserve in an urban area. Furthermore, it will be a showcase area for native plantings.
13. **Private Mini-Parks and Pocket Parks** Foxberry Farms, Tuckborough Farms, and Northridge Farms all have parks that are owned and maintained by the respective homeowners associations and augment the City's park system.

C. Quasi Public Facilities

An excerpt of the 1980 Comprehensive Plan set forth below exemplifies Medina's continuing desire to facilitate the recreation needs of the community without directly providing organized recreational programs:

"Of the total recreational services currently being provided to Medina residents, a strong role is played by quasi-public groups and individuals. Even though these quasi-public facilities and activities are not the responsibility of local government, a good share of the local residents participate in them. These recreational opportunities include, but are not limited to, horseback riding and snowmobile trails, summer camps, private school playgrounds, golf courses, baseball and softball fields. This Plan recognizes the significant contribution provided by these local Medina groups and citizens and strongly encourages their continued practice. No direct planning from the City of Medina Parks program will take place in relationship to the many quasi-public recreational services. The Parks Plan will concentrate on lands and developments owned and maintained by the City, existing as well as planned."

Even though this planning exercise will not include "direct planning" of quasi-public facilities and will concentrate on lands and developments owned and maintained by the City, quasi-public facilities will be taken into account with respect to serving the recreational needs of the City, including the following:

1. **Baker National Golf Course** is approximately 336 acres in size and is included in the Baker Park Reserve. Many residents use this course which is regarded as one of the best public courses in the Metro Area. It also has winter recreational activities including, skiing, snowshoeing and a sliding hill. The property is a National Audubon certified golf course because of its wildlife-friendly management.
2. **Medina Golf and Country Club** is a 225-acre private golf course in the north eastern section of the City. A number of City residents and businesses are members of this club.
3. **Spring Hill Golf Club** is a 48.3 acre private golf course of which a portion is located in the south central part of the city. The club house and most of the golf course are located in the City of Orono.

D. Trails

The City's trail system consists of a combination of city, county, regional, and private trails. Most of the City's proposed trails have yet to be developed. The City is acquiring trail dedications and easements as development occurs.

County trails are located along CR 24 and CR 19 and also include an extensive multi-use trail system within the Baker Park Reserve (see Map 6-2), including the Baker-Crow Hassan Regional Trail under construction during 2009.

The Northwest Trails Association operates an extensive snowmobile trail system, part of which is located in Medina. Private horse trails, not shown on the map, are available through parts of the City and involve many private landowners. It is operated and maintained by volunteers and "gentlemen's" agreements. Medina's horse trails are an important part of its rural culture.

Several of Medina's current or proposed trails connect with surrounding cities. The City of Medina will strive to connect with these surrounding trails.

E. Other

1. **The Loretto Playfield** serves a number of organized teams in the region and has a playground area.
2. **The Orono Schools Playfields** are located on the south side of County Road 6 and provide recreational space for the City's southside residents through Orono's community education and recreation programs.
3. **Elm Creek Community Playfields (Wayzata High School)** is owned by the City of Plymouth and is located just east of Medina, north of TH 55.
4. **Plymouth Park & Recreation** is used by many residents through programs offered by the Plymouth Park and Recreation Department.
5. **Orono Park and Recreation** is used by several residents who take part in programs offered by the Orono Park and Recreation Department.
6. **Corcoran Athletic Association** provides a number of recreational opportunities for children and adults.
7. **Hamel Athletic Association** provides a number of recreational opportunities to Medina residents as well as to residents of surrounding cities.

These active park areas, playfields and programs should serve the City's residents adequately for the foreseeable future.

Medina's Future Needs for Parks, Trails, and Open Space

Medina's future needs will be affected by the City's population, demands of its residents, and residential density. In the permanent rural area of the City, there will not be as great a demand for active parks with organized recreational activities. However, demand for passive parks that preserve open space and compliment the City's rural environment and character will be essential. Table 6-C summarizes the City's existing parks using the Metropolitan Council functional classification. Parks listed in Table 6-C make up over seventeen percent of Medina's total acreage.

TABLE 6-C
Existing Functional Classification of
Medina Park Acreages

Functional Classification	2007 Acreage
Community parks/playfields	36.9
Neighborhood parks/playgrounds	6.8
Sub-neighborhood parks (Public & Private)	6.4
Mini-parks (Public & Private)	6.3
Regional park reserve/refuge	1,684.8
Special Feature Parks (Public & Private)	639.3
State "Scientific and Natural Area"	180.5
Total Park Acreage	2561

Table 6-D below illustrates the City's potential future park and recreational needs using the National Standard for Recreational Activities. Based on Table 6-D, the City has more than adequate acreage, in most categories, dedicated to parks. Community play areas, as defined in Table 6-A will be added as residential development occurs in the sewered areas of the City.

TABLE 6-D
Projected Park Needs
Acres Per Population

	2006	2010		2020		2030	
Population	4,811	5,211		9,104		11,211	
Households	1,653	1,765		3,270		4,362	
Classification	Park Acres In Medina	Park ¹	Park	Park ¹	Park	Park ¹	Park
		Acres Standard	Acres In Medina +/-	Acres Standard	Acres In Medina +/-	Acres Standard	Acres In Medina +/-
Neighborhood ²	21.7	5.7	+16.0	9.9	+11.8	12.3	+9.4
Community play ³	0.0	4.2	-4.2	7.3	-7.3	9.0	-9.0
Community park	36.9	9.9	+27.0	17.3	+19.6	21.4	+15.5
Regional park	2,108.0	41.7	+2,066.3	72.8	+2,035.2	89.7	+2,018.3

¹ Source: Urban Planning and Design Criteria, 2nd edition

² Based on a 2006 population of 4,811.

³ Includes mini and sub-neighborhood and neighborhood

Note: Special Feature Parks and state park reserves are not included in the above acreages.

Medina's Parks, Trails, and Open Space Plan

The goals, policies, and analysis in this chapter provide the basis for the Medina's Parks, Trails, and Open Space Report. The plan addresses the following five specific areas of need:

1. Completion and maintenance of Hamel Legion Park.
2. Acquisition, upgrading, and development of neighborhood facilities to provide open spaces for active and passive recreational activities and fields for organized sports.
3. Improvements to existing parks.
4. Development of a coordinated trail system.
5. Developing sites for future community parks.

Playfields

1. **Hamel Legion Park** continues to be developed through donations of cash, materials, and services from community individuals and businesses as well as City park dedication proceeds.

Completed current plan elements include:

- Four softball fields
- Sliding hill
- Basketball court
- Small play area
- Picnic Shelter Area
- Warming house
- Soccer field
- Volleyball court
- Ice skating rink
- Family skating area
- Community building
- Fire Pit
- Open play area
- Two tennis courts
- Paved trails
- Entrance Plaza
- Memorial Plaza
- Playground Equipment

Elements to be completed include a concession stand, ball field lights, parking lot by north field, and additional trees and landscaping.

The City must plan to provide for adequate security and maintenance, including regular mowing in the summer and snow removal in the winter.

Neighborhood or Pocket Parks

As development occurs in the urbanized areas of the City, additional neighborhood and sub-neighborhood parks may be needed. An important criterion in planning such parks is the ability of residents and children to access a neighborhood or sub-neighborhood park without having to cross a major or minor arterial.

1. **Hunter Lions Park** - Maintain the recent improvements in the Park, which included: upgrading of the basketball court, adding additional picnic tables, and creating a paved trail to make the park more accessible. The City will provide a woodchip or turf path to the prairie restoration area and perimeter trail.
2. **Medina Morningside Park** - No significant changes are planned for this park. The ball field needs to be improved and maintained.

3. **Lakeshore Park - Independence Beach** - Maintain the new playground equipment and fishing dock and address the erosion and run-off to the lake.
4. **Maple Park** - Because of this park's limited size, improvements that require limited space should be considered, such as adding a picnic area.

Special Use Parks

As noted previously, Holy Name Lake Park, the City Hall site, Lake Ardmore Nature Area, Rain Water Nature Area, and Lake Medina Preserve do not fulfill the requirements for either community or neighborhood facilities. However, these parks are important to the City's park system.

1. **The City Hall Site** is necessary to accommodate the City Hall and the functions related to City activities. Consideration is being given to relocating the public works functions to another location, which would leave the existing site with ample space for future administrative and public safety needs. No permanent recreational facilities will be added to this site. Improvements will be devoted to beautification and historic preservation and commemoration.
2. **Holy Name Lake Park** is one of the most frequently used City parks. Improvements should include an upgrade of the access drive and parking area, removal of the boat ramp, construction of a small fishing dock, and mitigation of erosion to the lake. This area will also be used as a shore land restoration demonstration area.
3. **Lake Ardmore Nature Area** is located in the Independence Beach area and is currently undeveloped and unnamed. Because a large portion of the property is made up of wetlands, it can never be developed, but the City may formalize the area as a nature preserve, create trails through it with access to the lake and create a permanent buffer area.
4. **Rainwater Nature Area** will be used as a demonstration area for native plantings.
5. **Medina Lake Preserve** is mostly wetlands. Trails exist in the wooded regions surrounding the lake.

Trails

The trail plan, as shown on Map 6-2, proposes a network of multi-purpose trails. These trails will be located within road rights-of-way and will be separated from the vehicular surface by either a barrier, boulevard, or with a different or striped textured surface. Where possible, trails will be placed cross-country or near natural resource areas and connecting points of interest throughout the City. The plan also includes a proposal to create a pedestrian bridge over TH 55 at CR 101 which, while not in present city funding plans, could become an important link in the trail system as the City develops.

The City's network of trails will tie into the proposed trails in neighboring communities, including Corcoran, Independence, Maple Plain, Orono and Plymouth .

The Metropolitan Council's Regional Recreational Open Space Development Guide identifies a regional trail corridor extending west of Baker Park Reserve towards Lake Sarah Regional Park north of Lake Independence. The Trails Map (6-2) shows this regional search area.

Open Space

Medina's 2007 Open Space Report

Medina's Open Space Task Force created an Open Space Report, which is not made part of this Plan and is available for review at the City of Medina City Hall. A summary of the report follows.

Goals are to:

1. preserve the ecological integrity of Medina's natural infrastructure that filters and cleanses run-off, prevents soil erosion and aides in maintaining healthy lakes and water resources;
2. preserve the City's rural character, in which natural resources are the main feature of the landscape; and
3. provide an option to landowners to preserve natural infrastructure, without adverse economic consequences.

Principles to guide implementation of an Open Space Report are to:

1. educate and to promote stewardship and preservation of natural resources to the public, land-owners and developers and raise awareness of the economic and environmental benefit of preserving natural resources;
2. co-ordinate conservation efforts with other agencies, such as watersheds, Hennepin County, Three Rivers Park and non-governmental bodies, like the Minnesota Land Trust, Embrace Open Space and Pheasants Forever.
3. require permanently conserved land to be held in an easement by an outside agency, such as the Minnesota Land Trust, a watershed district or similar entities;
4. maintain land values and cause no economic harm to landowners or developers;
5. use incentives to encourage open space developments;
6. make Open Space Design an option across all zoning districts where natural features exist;

Definition of Open Space Design :

Open Space Design is, in effect, golf course development without a golf course where development occurs around natural features, such as wetlands, woodlands, or farmland. The ecological integrity of natural areas is permanently conserved by a conservation easement, held and overseen by an outside agency. Buildings are clustered in a central location on smaller lots, and the dedicated open space is typically held under common ownership.

Recommended Tools to Implement Open Space Design:

1. **Incentives** – develop a system, including a scale of points for best management practice and conservation design that can earn bonus building units. Such systems have been developed by other communities.
2. **Regulation** – natural resource performance standards;
3. **Public ownership** – purchase of development rights (a PDR program); and
4. **Park & trail dedication** – draft flexibility into park and trail dedication ordinance.