



Memo

To: Lino Lakes Environmental Board

From: Marty Asleson

Date: September 22, 2017

Re: Pre-Environmental Board Field Meeting, Wollan's Park Wetland Restoration

There was interest in a revisit to Wollan's Park Wetland Restoration site. We will meet there at 5:30 PM on September 27, 2017. To get to Wollan's Park, take Lake Drive north past Main Street. Take the first left on Diane Street and follow it to the end.

**CITY OF LINO LAKES
ENVIRONMENTAL BOARD MEETING**

Wednesday, September 27, 2017

6:30 p.m.

Council Chambers

Pre-Environmental Board Field Meeting at Wollan's Park Wetland Restoration 5:30 PM

Please be courteous and turn off all electronic devices during the meeting.

AGENDA

1. CALL TO ORDER AND ROLL CALL
2. APPROVAL OF AGENDA
3. APPROVAL OF MINUTES
4. OPEN MIKE
5. ACTION ITEMS
 - A. 2040 Comprehensive Plan Update, WSB & Associates
 - a. Local Surface Water Management Plan
6. DISCUSSION ITEMS
 - A. Recycling Updates
7. ADJOURN

**CITY OF LINO LAKES
ENVIRONMENTAL BOARD MINUTES**

DATE	: August 30, 2017
TIME STARTED	: 6:30 P.M.
TIME ENDED	: 7:39 P.M.
MEMBERS PRESENT	: Steve Heiskary, Paula Andrzejewski, Shawn Holmes, Nancy Klebba, Liz Kaufenberg, John Sullivan
MEMBERS ABSENT	: Alex Schwartz
STAFF PRESENT	: Marty Asleson, Madelyn Pelon

1. CALL TO ORDER AND ROLL CALL:

Mr. Heiskary called the Lino Lakes Environmental Board meeting to order at 6:35 p.m. on August 30, 2017.

2. APPROVAL OF AGENDA

The Agenda was amended

ADD Item F. Comp Plan

Ms. Andrzejewski made a MOTION to approve amended agenda. Ms. Holmes seconded the motion. Motion carried 6 - 0

5. APPROVAL OF MINUTES:

July 26, 2017

Mr. Sullivan made a MOTION to approve the July 26, 2017 Meeting Minutes. Ms. Kaufenberg seconded the motion. Motion carried 6 - 0

6. OPEN MIKE

Mr. Heiskary declared Open Mike at 6:34 p.m.

There was no one present for Open Mike.

Open Mike closed at 6:35 p.m.

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7. ACTION ITEMS

There are no Action Items

8. DISCUSSION ITEMS

A. Distribution Alternatives Completed Project Discussion

Mr. Asleson will look into the Conservation Easement Plan. There should have signs in place and he will look into seeding of the buffer area

Mr. Heiskary mentioned that the holding ponds are doing what they were meant to do

Mr. Heiskary was wondering if taking pictures of some of the different species of trees that we are trying to promote at different stages of its growth to show a developer what the trees would look like in a few years.

Mr. Asleson felt that the developer landscape

Ms. Holmes was wondering what is the process of reviewing a development plan that comes before us.

Mr. Asleson stated that when a Developer comes in with a plan it has to meet concept plan requirements and other qualifications. Then the plan goes through a screening process checked over by the city planner before it comes before the Environmental Board for recommendations, then it goes to Planning & Zoning, and it could come back to those boards for more recommendations before it goes to the City Council.

B. Blue Heron Days Event Summary Discussion

A good number of volunteers (thanks Nancie) showed up to help with the clean up after the parade.

Talk then started with Organics questions and Ms. Pelon will look into haulers that maybe are interested in curbside pick up and also see how other cities are handling organics recycling

C. Textiles Recycling Status Update and General Recycling Updates

Mr. Asleson stated that the Simple Recycling is still in process. It will be the fourth item on the work session agenda on September 4.

Simple Recycling will pay the city \$20 a ton and will receive the tonnage report. Mr. Heiskary suggested that Ms. Pelon should contact other cities using Simple Recycling and see how it is going before the council work session.

Ms. Pelon said she had already contacted the cities that are doing business with Simple Recycling and there are pluses and minuses. However, seems that the Simple Recycling was on top of residents' concerns.

D. Wollan's Park Wetland Bank Update

Corps of Engineers vs Bureau of Soil and Water Resources- there is still a difference in the number of the acreage. The city now has 70% banking credit on that area.

E. Up Coming Speakers and Agenda Items

Mr. Aslsen will try to get Matt Kocian from Rice Creek Watershed District to come and report on the carp electronic traps under the bridge on 49th. The traps keep the carp from coming up stream to spawn. Also maybe we can get him to talk about the Peltier Lake drawn down

Jason Hochins will present his talk of a drone fly over of Wollan's Park in October.

Mr. Heiskary want to know where we were on the wetland areas that were discussed at the last meeting.

Mr. Asleson said that the areas are still being researched and will come back to us.

Ms. Kaufenberg would like to focus on more education to the residents next spring on items such as watering lawns, grass clippings in the street, and native plantings suggestions. Also to reach out to the organics participants and keep them informed and what is happening.

Ms. Holmes would like to hear from Rice Creek Watershed District on education for shoreland residents on their impact on the lakes and inviting the public to the talk.

Mr. Heiskary would like to convey educational messages to the public. It enhances our meetings to bring someone in from the outside to learn more.

F. Comprehensive Plan

Comprehensive Plan update will come back to us in September

9. ADJOURNMENT

Ms. Andrzejewski made a MOTION to adjourn the meeting at 7:39 p.m. Ms. Kaufenberg seconded motion. Motion carried 6 - 0

Respectfully submitted,
Mary Fogarty
Office Specialist

**ENVIRONMENTAL BOARD
AGENDA ITEM 5A**

STAFF ORIGINATOR: Katy Thompson & Diane Hankee, City Engineers

MEETING DATE: September 27, 2017

TOPIC: 2040 Comprehensive Plan Local Surface Water Management Plan

BACKGROUND

For the City's 2040 Comprehensive Plan update, the City's Engineer WSB & Associates, is drafting the Local Surface Water Management section of the plan. WSB staff will be present at the meeting to review the Goals and Policies section of the plan with the Environmental Board.

At the November, 2017 Environmental Board meeting, Alison Harwood of WSB will be presenting the draft Natural Resources section of the plan.

ENVIRONMENTAL BOARD DIRECTION

Discussion Only.

ATTACHMENTS

1. Draft Local Surface Water Management Plan Goals and Policies

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Chapter 7 – Surface Water Management Plan

3. EXISTING AND POTENTIAL WATER RESOURCE-RELATED PROBLEMS

Issues, goals and policies were developed for this Plan through a process of compiling issues and goals identified in plans and studies previously completed by the City and other local agencies. Primary sources of information were the previous Surface Water Management Plan, the City’s 2030 Comprehensive Plan, resource management plans, and watershed management plans of the Rice Creek Watershed District and Vadnais Lake Area Watershed Management Organization. The compiled goals and policies were refined by city staff and consultants for review by the City of Lino Lakes Environmental Board (whose purpose is to advise the city council in the use and management of its natural resources).

3.1 Water Rate & Quantity Issues, Goals & Policies

Issues

Within the City of Lino Lakes, streams, lakes, and wetlands have been subjected to increased surface water runoff rates and volumes. Increased discharge rates and volumes have caused serious down-cutting and stream bank erosion in some areas. Increased runoff rates and volumes also contribute to flooding concerns and water quality concerns.

These issues are likely to intensify in the future. The Metropolitan Council prepared and adopted a regional growth strategy that anticipates further urbanization of the City. In addition, transportation improvements in or near the City will facilitate and precipitate urbanization. The City of Lino Lakes is planning for development of 1,400 acres east of Peltier Lake, North of Main Street. Furthermore, the City of Hugo is planning for development of a 215-acre area; both areas are currently being drained by Anoka County Ditch 55 (ACD 55). Currently, precipitation events larger than 0.25 inches results in surface water ponding and surface water runoff within the ACD 55 drainage area (Houston Engineering, 2013b). Without an alternative outlet or increased capacity, the development may be limited within the ACD 55 drainage area. This may exacerbate current flooding up stream in the ACD 55 system since ACD 55 restricts downstream flows and can only accommodate a small amount of flow. Sediment loads, and with it pollutants and contaminants, would also increase. Flow from the 215-acre area within the City of Hugo may be up to 62 CFS during the 100-year 24-hour storm. Additionally, 54 CFS will be generated from the 534-acre area within Lino Lakes that is currently served by ACD 55. The ACD 55 infrastructure currently reaches capacity at 1-2 CFS. As a result, the City of Lino Lakes is contemplating a new conveyance system and outlet structure to Peltier Lake from the 1,400-acre development area, which would be subject to review and approval by the RCWD. This may require the development of alternative standards (stormwater rules) to demonstrate no adverse impacts through the use of RCWD Comprehensive Stormwater Management Plan (CSMP) provisions.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address water rate and quantity issues.

Table 0-1. Water Rate and Quantity Goals & Policies

Goal 3.1.1	Use the natural characteristics of the City’s watersheds in combination with development standards and projects, to reduce present and future runoff rates and volumes (see also Natural Resources and Wetlands goals and policies).
Policy 3.1.1A	Continue to enforce standards for storm water runoff quantity from new and re- developments consistent with RCWD, VLAWMO and NPDES Phase II requirements. The City is entirely within the legal jurisdiction of RCWD and VLAWMO, which have water resource permitting programs. The City will remain under RCWD and VLAWMO permitting jurisdiction. The City will coordinate its NPDES Phase II responsibility with the RCWD and VLAWMO permitting programs while understanding that ultimate responsibility for implementation of such a program remains with the City.
Policy 3.1.1B	Implement volume control practices to address areas of identified rate and volume concern.
Policy 3.1.1C	Support implementation of the RCWD program allowing for a municipality or public road authority to prepare a comprehensive stormwater management plan setting forth an alternative means of meeting water quality treatment standards. Banked “volume control” credits established by public entities for public linear projects with the RCWD prior to July 1, 2013 will continue to be recognized and enforced until all credits are used or all debits are fulfilled.
Policy 3.1.1D	Recognize the potential uncertainty associated with managing water resources and understand the implications of emerging issues including climate change, and use Adaptive Management when appropriate.

Policy 3.1.1E	Promote “Better Site Design” development techniques in developing and redeveloping areas to minimize runoff volumes.
Policy 3.1.1F	Promote the use of agricultural conservation and management practices to reduce the rate and volume of runoff.
Policy 3.1.1G	Promote the use of regional Best Management Practices where appropriate to reduce the rate and volume of runoff.

3.2 Water Quality Issues, Goals & Policies

Issues

Current data indicate that water bodies located within the City have water quality issues. Several City lakes, such as Bald Eagle, Peltier, George Watch, Marshan and Centerville, Reshanau, Baldwin and Rice Lakes are included in the MPCA’s impaired waters list. In addition, both Clearwater and Hardwood Creeks are also included on the 303(d) TMDL list due to biotic impairments. A TMDL was recently completed for the Upper Mississippi River to address the water quality standard for *E. coli*.

Runoff carrying nutrient-rich sediment, road salts, and hydrocarbon-based contaminants is detrimental to the water quality of the City’s lakes, streams, rivers, and wetlands. Current water quality conditions present a potential stress to the diversity and population of fish and aquatic invertebrates and impact human uses of the resources. Improvement of these waters will require a watershed wide solution because in many cases much of the drainage area originates upstream of the City. Additionally, it has been found that internal loading sources of phosphorus derived from the lake bed sediments in Peltier Lake are affecting the water quality of downstream water bodies.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address water quality issues.

Table 0-2. Water Quality Goals & Policies

Goal 3.2.1	Protect and improve water quality and the scenic and ecologic values of City lakes, wetlands and other aquatic assets (see also Natural Resources and Wetlands goals and policies).
Policy 3.2.1A	Encourage “Better Site Design” development techniques in developing and redeveloping areas to maintain water quality.
Policy 3.2.1B	Develop specific management plans for each Resource Management Unit as necessary recognizing varying ecological, physical and cultural differences between each Resource Management Unit.
Policy 3.2.1C	Establish a surface water management system consistent with the Resource Management Plans.
Policy 3.2.1D	Apply the Resource Management Unit recommendations from the RMP to meet RMP goals for aquatic resource protection and management.
Policy 3.2.1E	Preserve and improve the recreational resources associated with water.
Policy 3.2.1F	Continue to enforce City water standards for storm water runoff quality from new and re-developments
Policy 3.2.1G	Incorporate TMDL limits, when determined, into the City’s Surface Water Management requirements to reduce degradation and improve the quality of the City’s and region’s lakes, waterways and other aquatic resources.
Policy 3.2.1H	Manage city-owned facilities subject to Municipal Separate Storm Sewer System (MS4) program requirements consistent with permit conditions.
Policy 3.2.1I	Manage city-owned facilities in accordance with the original design purposes, periodically review these purposes, and modify operation in consideration of current resource management objectives.
Policy 3.2.1J	Implement and enforce a program to detect and eliminate illicit discharges in accordance with the City’s MS4 requirements.
Policy 3.2.1K	Manage septic systems in conformance with state standards to protect the quality of water and natural resources.
Policy 3.2.1L	Educate residents on the importance of cleaning up after their pets to reduce pollutants entering the stormwater system.
Goal 3.2.2	Initiate and continue vigorous collaborations to address, restore, and preserve the water quality of the region’s lakes, wetlands and other aquatic assets.
Policy 3.2.2A	Work with and partner with the RCWD, VLAWMO and adjacent local governments to protect high quality resources.
Policy 3.2.2B	Collaborate with adjacent jurisdictions and agencies to meet TMDL goals and remove impaired water bodies from the impaired waters list.
Policy 3.2.2C	Partner with the RCWD on the implementation of Resource Management Plans.

Policy 3.2.2D	Facilitate data sharing among public entities that have jurisdiction or facilities within the City.
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3.3 Wetland Management Issues, Goals & Policies

Issues

Benefits attributed to wetlands include floodwater storage and retention, nutrient assimilation, sediment entrapment, ground water recharge, low flow augmentation, shoreland anchoring and erosion control, aesthetics, recreation, and education. Accordingly, the loss of wetland acres, function and value will have a direct negative effect on the City and its water resources.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address wetland management issues.

Table 0-3. Wetland Management Goals & Policies

Goal 3.3.1	Maintain and enhance, where possible, the functions and services of existing wetlands and associated habitats with the City.
Policy 3.3.1A	Continue to support the administration of the Wetland Conservation Act (WCA) requirements within the City by the RCWD and VLAWMO.
Policy 3.3.1B	Avoid impacts to upland natural communities that are critical to wetland wildlife habitat function and incorporate these into the wetland preservation corridors/buffer zones.
Policy 3.3.1C	Integrate parcel- or project-based wetland replacement with watershed-based restoration and enhancement locations
Policy 3.3.1D	Manage wetland resources using the flexibility afforded by state and federal rules, through the implementation of the Resource Management Plan and Special Area Management Plan.
Policy 3.3.1E	Consider providing incentives to private landowners to avoid wetland impact, minimize wetland impact, and restore wetlands, while acknowledging that wetland management and the monetary value of wetlands can be based upon differing value systems.
Policy 3.3.1F	Require wetland functional assessments, based on accepted methodology, on new development projects to ensure wetland function and services are preserved to the extent possible.

3.4 Floodplain Management Issues, Goals & Policies

Issues

Given the physical characteristics, high water table, and number of water bodies and flood prone areas, floodplain management is an important consideration to minimize future flooding events. In addition, a number of areas of current flooding concern have been identified through studies by the City and RCWD. Future flooding could also be a concern if development is not conducted in a manner that reduces runoff rates and volumes and if changes in rainfall and snowmelt patterns overwhelm existing infrastructure.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address floodplain management issues.

Table 0-4. Floodplain Management Goals & Policies

Goal 3.4.1	Provide adequate storage and conveyance of runoff to protect the public safety and minimize property damage.
Policy 3.4.1A	Preserve and manage the storage associated with the 100-year floodplain along and within water-bodies to minimize the frequency and severity of flooding caused by high water.
Policy 3.4.1B	Use the natural characteristics of the City’s watersheds (e.g., pond, swales, wetlands) in combination with development standards and projects, to reduce present and future flood damage and enhance the quality of surface and ground water.
Policy 3.4.1C	Require that adequate drainage facilities and easements are provided with land development activities.
Policy 3.4.1D	Continue to enforce floodplain regulations to ensure that new structures are adequately elevated above identified flood elevations.

Policy 3.4.1E	Update the Floodplain Overlay Ordinance as required by FEMA and the Minnesota DNR, or as needed, to ensure adequate protection for structures and eligibility for flood insurance programs.
Policy 3.4.1F	Support efforts to restore and reestablish floodplain basins to improve their natural function.

3.5 Public Ditch System Issues, Goals & Policies

Issues

Several of the major drainageways in the City are public ditch systems managed by the Rice Creek Watershed District. Some of the public drainage systems are located within completely urbanized areas, have been totally or partially replaced by storm sewer pipe, and no longer serve agricultural land or provide agricultural benefits. These systems function as the outlet for storm water runoff. Other public drainage systems are comprised nearly entirely of undeveloped/agricultural areas that are primarily forecasted for urban development. Public ditch systems need to be managed to provide the drainage services suited to the land contributing to the system.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address the public ditch system issues.

Table 0-5. Public Ditch System Goals & Policies

Goal 3.5.1	Ensure the management and operation of drainage systems and use of waterways in a manner which recognizes the origin of the system (e.g., constructed vs. natural), the interconnectedness of resources, and present and future conveyance needs, while considering legally established rights.
Policy 3.5.1A	Work with the RCWD to facilitate effective management of the public ditch system, as needed, to support the recognized functions of these systems.
Policy 3.5.1B	Work with the RCWD to address the system capacity limitations of ACD 55 and ACD 72.

3.6 Groundwater Management Issues, Goals & Policies

Issues

The City of Lino Lakes relies solely on groundwater as its water supply source. The Prairie du Chien- Jordan aquifer serves as the City’s municipal water source. There is a growing concern that water supplies may be depleting. The Master Water Supply Plan by the Metropolitan Council indicates the potential for a significant decline in aquifer water levels, up to a 50% decline in available head by 2030. This will affect not only the drinking water supplies, but also resources that may depend on groundwater, such as wetlands, lakes and streams.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address groundwater management issues.

Table 0-6. Groundwater Management Goals & Policies

Goal 3.6.1	Incorporate ground water considerations into the decision-making process through recognizing the interconnectedness of surface water and groundwater supply and groundwater-dependent natural resources.
Policy 3.6.1A	Preserve ground water recharge areas in cooperation with Anoka County.
Policy 3.6.1B	Promote infiltration of stormwater to result in groundwater recharge where it is feasible and does not pose a threat to groundwater quality.
Policy 3.6.1C	Continue to implement the City’s Wellhead Protection Plan.
Policy 3.6.1D	Participate in the Anoka County Wellhead Protection Group in implementing joint projects that benefit the City of Lino Lakes.

3.7 Natural Resources Issues, Goals & Policies

Issues

Lino Lakes is rich in unique and rare natural resources. These resources are most often hydrologically dependent on natural water systems. Reduced quality and variances of water levels stemming from land use changes may have critical impacts to the sustainability of these resources. Preserving and enhancing quality natural resources within the City can have a positive effect on surface and ground water. Extensive development or misuse of the natural areas within the City can have deleterious effects on water resources.

Goals & Policies

The following is a table summarizing the City of Lino Lakes’ goals and policies to address natural resources issues.

Table 0-7. Natural Resources Goals & Policies

Goal 3.7.1	Identify, protect and preserve the desirable natural areas and ecological and aquatic resources of the community.
Policy 3.7.1A	Pursue a well-defined natural resource restoration and management plan consistent with the RCWD/Lino Lakes Resource Management Plan (RMP).
Policy 3.7.1B	Maintain the partnership of Lino Lakes and Rice Creek Watershed District and other groups such as Anoka County to maintain, restore, and manage the aquatic, aquatic dependent (Such as the Blue Heron Rookery on Peltier Lake) and upland areas of the City.
Policy 3.7.1C	Require natural space buffers, where appropriate, around wetlands to preserve their function and value.
Goal 3.7.2	Ensure that well-planned, quality residential, commercial, industrial and institutional development accommodates the City’s projected growth needs and occurs in a manner that also conserves and enhances the City’s natural resources and amenities.
Policy 3.7.2A	Encourage developers, where appropriate, to use Open Space Design/Conservation Development Model to implement the Resource Management System Plan.
Policy 3.7.2B	Define incentives to achieve Better Site Design to the extent feasible on all development.
Policy 3.7.2C	Continue to use the Alternative Urban Areawide Review (AUAR) process to assess the impact of development on the City’s natural resources and infrastructure.
Goal 3.7.3	Capitalize on opportunities to enhance water quality, reduce runoff volume and flood damage, and enhance ecological resources by using open space and greenways.
Policy 3.7.3A	Encourage the use of open space in the design of City projects when multiple benefits are realized.
Policy 3.7.3B	Capitalize on the efforts of others responsible for managing open space to enhance their ongoing recreational programs, when these programs are related to the water and resource management effort and are consistent with the City’s open space priorities.
Policy 3.7.3C	Seek opportunities to enhance habitat function and integrity, to benefit water resources and eco-systems.

3.8 Erosion and Sediment Control Issues, Goals & Policies

Issues

Erosion prevention and sediment control is an important aspect in the effort to improve water quality and protect and improve water and natural resources. Erosion is caused by runoff over disturbed soils such as on a construction site or along streambanks. This erosion can result in the transport of sediment into water and natural resources. Sediment deposits and sediment transport can decrease water quality and increase maintenance efforts.

Goals & Policies

The following is a table summarizing the City of Lino Lakes’ goals and policies to address erosion and sediment control issues.

Goal 3.8.1	Prevent erosion and minimize the conveyance of sediment into surface water systems through enforcement of the City’s Storm Water Pollution Prevention Plan (SWPPP).
Policy 3.8.1A	Require erosion control plans for all land disturbance activities in accordance with the City’s stormwater management ordinance.
Policy 3.8.1B	Continue to enforce the Illicit Discharge and Detection Elimination (IDDE) Ordinance.
Policy 3.8.1C	Use best management practices (BMPs) at all construction sites per the MPCA “Protecting Water Quality in Urban Areas” and Minnesota Storm Water Manual as amended.
Policy 3.8.1D	Coordinate construction site inspections and enforcement with watershed management organization inspection staff. Enforcement actions will be taken where warranted to support protection of water resources.
Policy 3.8.1E	Implement and perform good housekeeping measures to minimize sediment entering the drainage system.

3.9 Regulations, Permitting and Reporting Issues, Goals & Policies

Issues

The City is regulated under a number of local, state, and/or federal programs that require the implementation of ordinances, permitting, and/or reporting. In addition, the City implements ordinances and permitting to attain the goals outlined in this Plan.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address regulations, permitting and reporting issues.

Goal 3.9.1	Implement the Resource Management System Plan through Resource Management Unit Plans.
Policy 3.9.1A	Develop and implement Resource Management Unit plans for each RMP.
Goal 3.9.2	Address regulatory requirements of local, state and federal programs through updated ordinances, permitting, and ongoing reporting.
Policy 3.9.2A	Evaluate City’s existing ordinances and programs to facilitate implementation of the Resource Management System Plan.
Policy 3.9.2B	Coordinate with the Rice Creek Watershed District and the U.S. Army Corps of Engineers to manage local wetland resources.
Policy 3.9.2C	Work with the Rice Creek Watershed District to implement the Resource Management Plan.
Policy 3.9.2D	Implement programs, implement structural solutions, and complete reporting as needed to meet MPCA’s requirements for MS4s.
Policy 3.9.2E	Support the implementation of the SAMP by the U.S. Army Corps of Engineers.

3.10 Monitoring, Maintenance and Inspection Issues, Goals & Policies

Issues

In order to protect its capital investments and provide an effective water management system, the City of Lino Lakes needs to conduct monitoring, maintenance and inspection of City infrastructure in a timely and cost-effective manner. Infrastructure needs to be monitored and maintained regularly to prevent unnecessary reconstruction projects. This can only be accomplished if an effective inspection and regular maintenance program is in place. A monitoring program verifies the effectiveness of the storm water infrastructure.

Goals & Policies

The following table summarizes the City of Lino Lakes’ goals and policies to address monitoring, maintenance and inspection issues.

Goal 3.10.1	Maintain the function and effectiveness of stormwater management structures through inspection, monitoring and maintenance.
Policy 3.10.1A	Implement the City’s plan for the regular inspection and maintenance of public water resource infrastructure consistent with the requirements of the NPDES MS4 permit.
Policy 3.10.1B	Require Operation and Maintenance agreements for the inspection and maintenance of privately constructed water resource infrastructure.
Policy 3.10.1C	Implement and refine a training program to prevent or reduce pollutant runoff resulting from City operations.
Policy 3.10.1D	Prepare an annual report in accordance with the NPDES MS4 permit and share results with the public, City Council and Boards.
Policy 3.10.1E	Conduct monitoring to evaluate the effectiveness of the City’s stormwater management actions on the quality of water resources.

3.11 Public Participation, Information and Education Issues, Goals & Policies

Issues

City residents, businesses and property owners need to have a clear understanding of basic stormwater management, water quality, and natural resource protection concepts, policies and regulations to support and implement stormwater management and natural resource protection efforts.

Goals & Policies

Goal 3.11.1	Inform and educate the public concerning urban stormwater management and the problems pollutants cause if allowed to enter our water resources.
Policy 3.11.1A	Identify and alert residents of potential ecological challenges and threats that can affect Lino Lakes and the property of residents.
Policy 3.11.1B	Plan and initiate cooperative efforts with the state and other local government entities in programs that provide information to the public on how to effectively address and manage ecological and water quality threats.
Policy 3.11.1C	Proactively educate the community and its residents of all ages about the specific actions they can or may be asked to take in addressing ecological and water quality threats.
Goal 3.11.2	Offer programs, educational opportunities and information that facilitate an understanding of water resource issues in the City of Lino lakes.
Policy 3.11.2A	Continue to encourage and support programs that measure the effectiveness of Best Management Practices.
Policy 3.11.2B	Actively develop and implement a community education program relating to preserving and improving water quality consistent with the City’s MS4 permit requirements and/or coordinate with regional education efforts.
Policy 3.11.2C	Share infrastructure information developed through the Municipal Separate Storm Sewer System (MS4) program for City-owned facilities to educate the public about how water resources are managed, the programs and policies and projects of the City, and to encourage public involvement
Policy 3.11.2D	Utilize and engage citizens to promote sustainable stewardship of lakes.
Policy 3.11.2E	Continue to support and participate in the Rice Creek Watershed District’s Stream Health Evaluation Program (SHEP)

3.12 Financing Issues, Goals & Policies

Issues

The City needs to ensure that funding is available to implement the policies and actions identified in this plan and to respond to future needs of development, operation and maintenance, and repairs. In order to attain the goals identified in this plan, the City will need to provide funding and staffing resources adequate to address the goals of the plan. Current funding includes trunk stormwater improvement fees and the general fund; however, other funding options may need to be considered.

Goals & Policies

Table 0-8. Financing Goals & Policies

Goal 3.12.1	Ensure that the costs of the surface water system are equitably distributed and sufficiently funded to cover the liabilities.
Policy 3.12.1A	Update and apply area based charges so that the surface water related costs of development can be fairly borne by development.
Policy 3.12.1B	Consider funding options that will equitably distribute the costs of managing and implementing the City’s surface water management plan, such as a stormwater utility or district- based fees.
Goal 3.12.2	Leverage partnerships to cost-effectively manage the City’s surface water and natural resource systems and attain the goals of this plan.
Policy 3.12.2A	Pursue grants, donations, and in-kind contributions to help fund stormwater projects.
Policy 3.12.2B	The City will coordinate local stormwater management issues with the member watersheds and neighboring cities in order to leverage the watershed’s work and thus reducing City expenditures.

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