

Conservation Partners Legacy Grant Application

CPL1000066

Spreadsheet

Name and Contact

Project Identifier:	CPL1000066	Street Address 1:	625 8th Avenue
Project Name:	Westside Wetland Improvements	Street Address 2:	P.O. Box 736
Organization Name:	City of Howard Lake	City:	Howard Lake
Organization Website:	http://www.howard-lake.mn.us/	State:	MN
Organization Contact Person:	Barry L. Glienke, P.E., City Engineer	Zip Code:	55349
Contact Email:	barrygl@bolton-menk.com		
Contact Phone:	(320)231-3956		

Location

Primary County:	Wright
Nearest City:	Howard Lake
Township:	119
Project Site Name:	PID# 212-000-334200- MN DNR
Project Site Land Ownership:	State
Other Land Ownership:	

Project Information

Primary Activity:	Restoration
Primary Habitat Type:	Wetland
Total Project Acres:	1
Total Project Sites:	2
Total Grant Amount Requested:	\$315000
Total Match Amount:	\$35000
Total Project Cost:	\$350000
Project Completion Date:	05/2011 (MM/YYYY)

Project Summary and Outcomes: A large wetland complex south of the project area has a water elevation that has changed significantly. The improvements will restore habitat in the project area and return this south wetland complex to the previously established DNR water level. The improvements include a serpentine waterway to limit water velocities from an upper wetland pool to a lower wetland pool. The restoration work in the upper pool will include cleaning out existing sediment to restore open water habitat. The project will serve the purpose of restoring habitat in the project area and provide additional benefits to surrounding facilities by lowering the water level of the wetlands to the south of the project.

Attachments

- [Project Site Information Form](#)
- [Project Budget and Match Description](#)
- [Partner Commitment Letter](#)
- [Financial Documentation](#)
- [Conservation Easement](#)
- [Supplementary Attachment #1](#)
- [Supplementary Attachment #2](#)

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Conservation Partners Legacy Grant Program

Project Site Information

Contact information

Project name:

Westside Wetland Improvements

Organization:

City of Howard Lake

Organization contact person (Project Manager):

Barry L. Glienke, P.E. City Engineer

Project information

Project site:

PID# 212-000-334200- MN DNR

Project site land manager or easement holder:

Paul Diedrich- DNR Fisheries

 Legal :

T 119N	R 27W	S 33	QSWSE
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Private land owner (if applicable):

County: Wright

Activity (may choose more than one): Enhancement Restoration Acquisition

Predominant Habitat (choose one): Forest Prairie Wetland Fish, Game and Wildlife Habitat

Activity quantity:

1.0

 Acres Miles Feet Structures Wetlands

Project Site #2, if needed.

Project site:

PID# 212-000-334303- MN DNR

Project site land manager or easement holder:

Paul Diedrich- DNR Fisheries

 Legal :

T 119N	R 27W	S 33	Q SE
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Private land owner (if applicable):

County: Wright

Activity (may choose more than one): Enhancement Restoration Acquisition

Predominant Habitat (choose one): Forest Prairie Wetland Fish, Game and Wildlife Habitat

Activity quantity:

0.2

 Acres Miles Feet Structures Wetlands

Project Site #3, if needed. Use Additional Project Sites form if needed.

Project site:

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Project site land manager or easement holder:

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 Legal :

T	R	S	Q
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Private land owner (if applicable):

County:

Activity (may choose more than one): Enhancement Restoration Acquisition

Predominant Habitat (choose one): Forest Prairie Wetland Fish, Game and Wildlife Habitat

Activity quantity:

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 Acres Miles Feet Structures Wetlands

Project timeline:

Time frame	Goal	Time frame	Goal
November 2009	Complete Application		
January 2010- May 2010	Prepare Plans and Specifications		
June 2010	Complete Bid Process		
July 2010- September 2010	Construct North Waterway and restore disturbed area		
December 2010- February 2011	Cleanout wetland pool on North side of tracks		
March-May 2011	Restore disturbed areas		
May 2011	Complete grant closing requirements		

Project description and benefits (box will expand as typed into, not to be longer than 2 pages):

History of the Project Area: The large wetland complex to the south/ southeast of the project area operated at an ordinary high water elevation of 1005 during the late 1990's. The DNR has established the ordinary high water level of this wetland complex at approximately 1005 in a report dated June 9, 1998. Major rain events occurred during the summer of 2002, causing major flooding of the surrounding areas. Since this flooding occurred the wetland has operated with an ordinary high water level of 1008. The top of the existing culvert under the railroad tracks is currently submerged four feet under water.

Highway 12, located to the south of the proposed improvement site, was reconstructed in 1998. An industrial area was constructed to the south of Highway 12 in 2001. These facilities were designed based on the DNR established ordinary high water level of 1005. Since the wetland ordinary high water elevation has changed, businesses and residential areas adjacent to the wetlands have experienced flooding during significant rain events. The sanitary sewer in the area has become inundated due to this higher water level. Several of the sanitary sewer manholes are currently submerged. The stormwater pond in the industrial area is also backed up, thus it does not properly treat the stormwater. The pond currently operates with a normal water level higher than the water level it was designed to operate at. The highway in the vicinity of these wetlands has experienced damage due to the saturated road base. The attached Figure No. 1 illustrates the flood prone area.

The entire system of wetlands near the project area was investigated due to the presence of the problems discussed above. The investigation identified the project area as the source of the hydraulic bottleneck of the overall wetland system. During the course of the review it became apparent that the habitat in the vicinity of the project has changed over time. The project area was reviewed and it has been determined that there is evidence of a previous waterway where this project is proposing to construct a waterway.

Proposed Project: See the attached Figure No. 2 for an illustration of the project area and proposed improvements. The project includes cleaning out the wetland pool on the north side of the railroad tracks and constructing a waterway between this upper wetland pool and a wetland area located to the north and east. The downstream wetland area will be referred to as the lower pool. The waterway would connect the upper wetland pool to the lower pool located to the north and east of the railroad culvert. There is evidence from historical aerial photography review of a prior waterway between the wetland pool and the lower pool. The proposed waterway would include a serpentine shape with a 1.4 sinuosity layout to provide a waterway travel distance of approximately 990 feet over a straight line distance of approximately 670 feet. This configuration would be utilized to induce slower water velocities between the wetlands to protect the downstream lower pool. This lower pool is a natural hatchery area for fish species in the vicinity of the project. This portion of the project would provide for fish movement between the two wetlands. This portion of the project would enhance the habitat in the area by providing additional areas for species in the vicinity of the project to travel. The evidence of a previous waterway linking the two wetland areas demonstrates restored habitat for species in the vicinity of the project. The wetland pool cleanout portion of the project would remove sediment buildup from the wetland area and restore open water habitat to a preexisting condition.

The proposed project would return the wetland complex on the upstream side of the railroad culvert to the ordinary high water elevation it operated at prior to the flood events in 2002. This would restore the entire wetland area to a previous habitat state. The project would restore the wetland to the ordinary high water elevation that the DNR has established.

The current facilities to the south of the project area were designed with respect to the DNR established ordinary high water elevation. The industrial park and Highway 12 improvements in the area were designed using the ordinary high water elevation of 1005. By returning the wetland to the 1005 water elevation, the damages being caused by the increased water elevation would be eliminated. The entire wetland complex would be able to control significant rain events.

Another benefit of the project is related to the inundation of the sanitary sewer system. The sanitary sewer system would be protected with the completion of the project. The wetland system would be suited to handle more significant rain events, and the problems related to inundation of the sewer system would be reduced. Since the wetland complex to the south of the project area has been operating at the higher water elevation, the sanitary sewer system has been flooded more frequently. A large amount of water flows into the sanitary sewer system during wet periods and periods of substantial rainfall. The City's sanitary sewer system experiences large amounts of inflow during these periods. The City's overall sanitary sewer system experiences high peak flows due to the substantial amounts of water being

introduced into the system. The overall system can experience extreme peaks in the flows to the wastewater treatment facility, sometimes resulting in bypass flows at the treatment plant. At these times the City will bypass flow around the treatment system and discharge it directly to receiving waters. If problem segments can be repaired or protected, the frequency of the flow bypasses at the plant can be reduced.

An additional benefit of the project is related to stormwater treatment for the industrial area located to the south of the proposed project. The stormwater pond for the industrial area currently operates at a normal water level that is significantly higher than the level it was designed to operate at. This increased water level means that the pond does not properly treat the stormwater generated by the developed area. The pond was designed as a sedimentation basin with the intention of treating smaller rain events and the first flush of a storm to remove sediment and assist in removing other harmful pollutants from the stormwater. Since the pond operates at an elevation higher than the design intended, it does not properly manage the stormwater generated in the area. The project would allow the pond to operate at the intended normal water elevation, thereby increasing the efficiency of the pond. This would lead to cleaner discharges from the pond and reduce harmful pollutant loads to the adjacent wetlands.

The project includes provisions to restore disturbed areas with seed and mulch. Some areas will include sediment cleanout with minimal restoration. Other disturbed areas will be seeded with a native seed mixture. Restoration measures will be communicated with various agencies associated with the project to determine the proper seed mixtures and restoration areas.

The existing culvert under the railroad tracks is proposed to be replaced as part of a separate project, contingent on the completion of the proposed improvements discussed here. The proposed layout and installation of this culvert would be completed under the direction of the various agencies associated with the wetlands in the vicinity of the project. See the attached figures for an illustration of the proposed improvements and project area.

The project timeline and budget includes provisions for survey work, environmental compliance, completion of plans and specifications, bidding procedures, selecting the low bid contractor to complete the proposed work, construction observation and construction administration.

Please provide the answers to the following questions. Boxes will expand as typed into.

1. For lands acquired in fee title that will be turned over to a public agency for long-term management:

- a. Provide a description of the work necessary to bring the land up to agency standards and an estimate of the associated cost.

Not Applicable

- b. What short- and long-term work is required to manage the land you acquire?

Not Applicable

2. For enhancement/ restoration projects on public lands:

- a. Who is/will be the long-term manager for the project site?

Minnesota DNR

- b. What short- and long-term maintenance work is required to sustain the habitat work you will do?

Not Applicable

- c. Who will complete this maintenance work, and how will it be funded?

Minimal maintenance will be required for the area as determined by the DNR. The project will restore the area to a previous condition.

- d. Will the CPL funds supplant any existing funds?

No

As required by 2009 MN Session Law, Chapter 172 subd. 10 (8), “any agency or entity receiving an appropriation must, for any project funded in whole or in part with funds from the appropriation, give consideration to and **make timely written contact with the Minnesota Conservation Corps** for consideration of possible use of their services to contract for restoration and enhancement services”. Contact MCC at cplg@conservationcorps.org, or email a copy of this form to the same address. For more information on costs, crew capabilities, etc., visit MCC’s website at <http://www.conservationcorps.org/useacrew.html>.

Signature:

I certify that I have read the Conservation Partners Legacy Grants Program **Request for Proposal, Program Manual** and other program documents, and have discussed this project with the appropriate

public land manager, or private landowner and easement holder. I am authorized to apply for and manage these grant and match funds, and the project work by the organization or agency listed below. I have made timely written notification to MCC regarding my restoration or enhancement project.

Signature: 	Organization/ Agency: City of Howard Lake
Title: City Engineer	Date: 11-3-09

Please save this document to your computer or electronic storage device and attach this document as specified on the online submittal form when ready to apply. Contact [CPL Grant Staff](#) with any questions.

Conservation Partners Legacy Grant Project Budget and Match Worksheet, Application Requirement

Project name:	Westside Wetland Improvements	
Organization:	City of Howard Lake	
Organization contact person (Project Manager):	Barry L. Glienke, P.E. City Engineer	

Please complete all sections and be as detailed as possible for all descriptions under the Details sections. Limit entries in large tables to numbers only, **round to the nearest dollar**. Do not edit table categories, only enter values or text into the table. The tables will adjust to accommodate additional text in each box. If all categories are not needed, please leave those fields blank.

BUDGET: amounts being requested **Note: FY refers to State Fiscal Year: July 1- June 30, with the year reflecting the year that June falls in. For example: if today were September 3rd, 2009 it would be FY2010; December 3rd 2010= FY2011; May 2012= FY2012

Budget Item	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Total
Personnel	\$1,500.00	\$1,500.00		
Contracts		\$250,000.00		
Grant Administration	\$1,000.00	\$1,000.00		
Administration/ Environmental Compliance	\$33,000.00	\$27,000.00		
Fee Acquisition				
Easement Acquisition				
Easement Stewardship				
Equipment/Tools/Supplies				
Travel				
Additional Budget items				
Total				

DETAILS: detail the amounts listed in the above table.

Personnel Details:

Name	Title	Amount
City Staff		\$3,000.00

Contract Details:

Contractor Name	Contracted Work	Amount
To Be Determined after project bid	Ditch Cleaning, Ditch Construction, Wetland Pool Excavation, Restoration of Disturbed Areas	\$250,000.00

Grant Administration:

Administrative Activity	Description/ Amount	Amount
Monitoring and tracking activity and applying for reimbursement		\$2,000.00

Administration/ Environmental Compliance

Activity	Description	Amount
Preparing Plans, Specifications and other Bid Documents and Environmental Compliance	Completing plans, specifications, permit applications and other documents for a competitive bid process	\$33,000.00
Construction Observation and Construction Administration	Overseeing construction practices, tracking quantities, preparing pay applications for the contractor	\$27,000.00

Fee Acquisition/ Easement Acquisition/ Easement Stewardship Details:

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Equipment/Tools/Supplies Details:

Item	Use	Amount

Travel Details:

Miles	Purpose	Amount

Additional Budget Items Details:

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MATCH: Required 10% of total project funds, to be fulfilled by end of Fiscal Year 2012. Use provided rate sheet to determine unit rate and total value of in-kind services to be used as matching funds if applicable.

Source	Description	Units	Unit Rate	Total Value
City Funds	City of Howard Lake Funds to meet match requirements			\$35,000.00

Matching description/ comments: if needed

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**CONSERVATION PARTNERS LEGACY GRANT PROGRAM
PARTNER COMMITMENT LETTER**

What is the name of the project that you are contributing to, and who is the applicant?

Project Name: Westside Wetland Improvements
Applicant: City of Howard Lake

What is the name of your organization (private landowners use "Private Landowner")?

City of Howard Lake

When will you make the contribution?

The City of Howard Lake will pay the cost of the project prior to requesting reimbursement. The City will match a minimum of 10-percent of the grant amount.

**What is the value of your contribution and how did you determine the value?
Does the contribution have a non-state origin?**

The value of the Grant Match is estimated to be \$35,000.00. The City of Howard Lake will match a minimum of 10% of the grant amount.

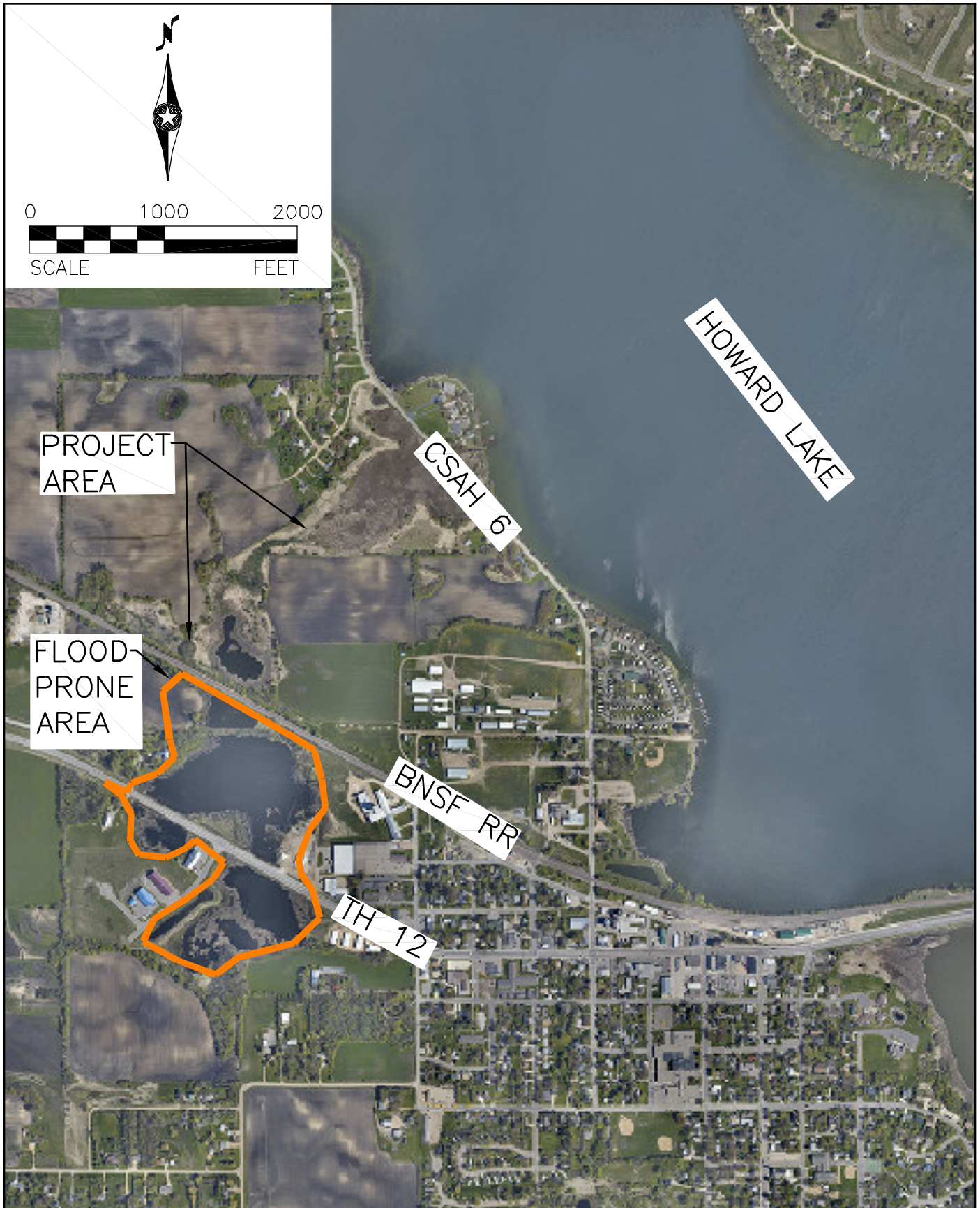
If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

Not Applicable

Signature: 

Printed Name, Title, and Affiliation: Kelly Hinnenkamp, City Administrator,
City of Howard Lake

Date Signed: October 30, 2009



BOLTON & MENK, INC.
Consulting Engineers & Surveyors

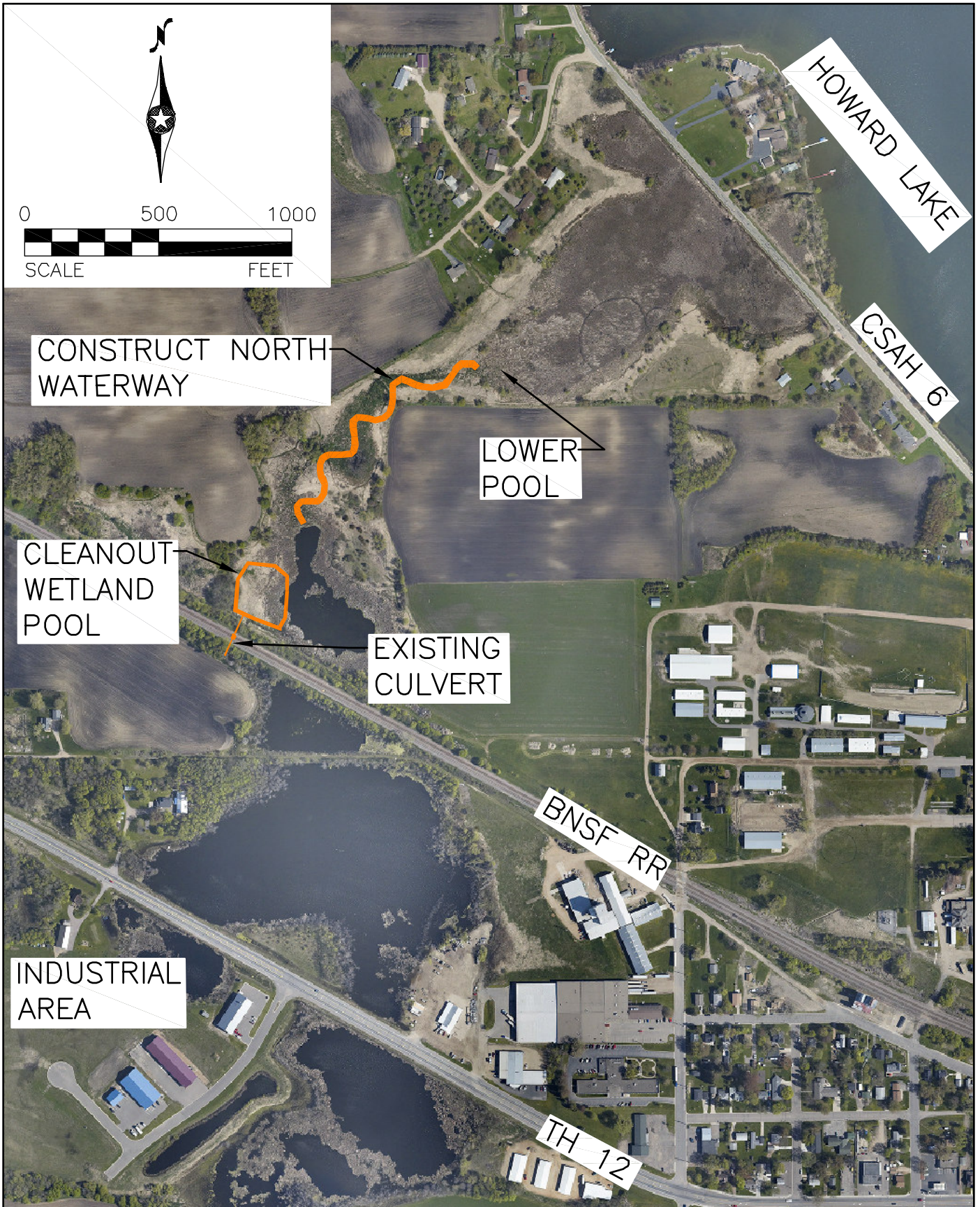
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
 BURNSVILLE, MN CHASKA, MN RAMSEY, MN AMES, IA

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CITY OF HOWARD LAKE
 WESTSIDE WETLAND IMPROVEMENTS
 FLOOD PRONE AREA

NOVEMBER, 2009

FIGURE NO. 1



BOLTON & MENK, INC.
 Consulting Engineers & Surveyors
 MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
 BURNSVILLE, MN CHASKA, MN RAMSEY, MN AMES, IA
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CITY OF HOWARD LAKE
 WESTSIDE WETLAND IMPROVEMENTS
 PROPOSED IMPROVEMENTS
 NOVEMBER, 2009 FIGURE NO. 2



Conservation Partners Legacy Grant Program
Natural Heritage Database Review
October 30, 2009

Berry Glienke, City of Howard Lake,

We have received your request for a Natural Heritage Database Review specific to your Conservation Partners Legacy Grant application, titled City of Howard Lake BMI Project CPL Grant Application. The following information is the result of that review, completed for the project location(s) within your proposed project.

There is a historical record [REDACTED]

[REDACTED] sediment/ erosion control standards should be present at all project sites to ensure additional degradation of the water systems do not occur as this species prefers higher clarity waters.

Please note:

- This review only applies to the Conservation Partners Legacy Grant Program application referenced above.
- This information has no bearing on any related permits or projects not covered under the request for review.
- This information will not be valid after March 1, 2010. The only use of this data is to record potential impacts and minimization or avoidance techniques for any Natural Heritage Database records found in or within 1 mile of the listed project site(s).

Please contact CPL Grant staff at LSCPLGrants@state.mn.us with any questions. Thank you for your interest in the CPL Grant Program.