



US Army Corps  
of Engineers  
St Paul District

**SPONSOR:** Brad McKown

# **Public Notice**

**ISSUED: 22 May 2014**

**EXPIRES: 23 June 2014**

**REFER TO:** 2012-05679-JCD

**SECTION: 404 - Clean Water Act**

- 
1. WETLAND COMPENSATORY MITIGATION BANK PROPOSAL
  2. SPECIFIC INFORMATION.

**SPONSOR'S ADDRESS:** Brad McKown  
Bank of Maple Plain  
P.O. Box 279  
Maple Plain, Minnesota 55359

**SPONSOR'S AGENT** Wenck Associates, Inc.  
1800 Pioneer Creek Center  
P.O. Box 249  
Maple Plain, Minnesota 55359-0249

**PROJECT LOCATION:**

The project site is located in the SW ¼ of Section 20, Township 119 North, Range 25 West, in Wright County, Minnesota. The approximate UTM coordinates are N 450555.75, W 935157.46 (Latitude 45.09882, Longitude -93.86596).

**BANK SERVICE AREA:**

The proposed bank service area is the Upper Mississippi Basin in Minnesota (Bank Service Area 7).

**DESCRIPTION OF PROJECT:**

The sponsor is proposing to develop the Crow River Wetland Bank, as shown on the attached figures labeled Page 1 of 13 through 13 of 13. The proposed bank site is approximately 25 acres in size, including upland buffer areas.

**CURRENT LAND USE, INCLUDING ADJACENT PROPERTIES:**

The proposed bank site is currently an active sand mine operation, and was in active agricultural production prior to the sand mine operation. Sand removal operations have occurred over the majority of the site, with the exception of an area in the northwest corner of the site. The adjacent property to the east is active agriculture, and private residences are located to the north and west of the project site. The North Fork Crow River and wetlands associated with the floodplain of the river are located to the south and west, and Crawford Lake is located to the northeast of the site, as shown on the attached figure labeled page 6 of 13.

**Operations - Regulatory (2012-05679-JCD)**

**SUBJECT: Crow River Wetland Bank**

The majority of the site is un-vegetated due to mining activities; though an area west of the proposed easement has been reclaimed with vegetation already established using a CRP seed mix. There are no ditches or surface water features on the site. Due to the close proximity of the North Fork Crow River and its associated floodplain, groundwater elevations are fairly shallow; ranging from 928' in the northern portion to 910' on the river floodplain. Historical soil conditions of the site were based on soil borings where mining has not occurred; soil profiles showed there to be a layer of 2-4 feet of sand overlaying a thick layer of clay. The County Well Index indicates that the layer of clay ranges from 20-40 feet deep.

MODIFICATIONS PROPOSED TO RESTORE, ESTABLISH, ENHANCE AND/OR PRESERVE WETLANDS ON THE BANK SITE:

The sponsor proposes to create three wetland basins and adjacent upland buffer in three phases following the completion of sand mining on the site. The goal of the project is to create 13.09 acres of wetland and 11.06 acres of adjacent upland buffer.

The wetlands will be created by excavation and grading to create depressional basins that intersect the groundwater that is found near the surface. Water control structures are not proposed given the hydrology of the wetland basins will be from the intersection with groundwater. Natural clay ridges are present between the wetland basins, which allow for a tiered wetland system with varying water elevations. The created wetland system will ultimately outlet at the southern end to a floodplain wetland of the North Fork Crow River.

The three wetland basins will be created with varying water depths and hydrologic regimes that will result in a mix of fresh (wet) meadow and shallow marsh communities with a native grassland upland buffer, as shown on the attached figure labeled Page 9 of 13. It's anticipated that the boundaries of these distinct communities will be determined by the anticipated water depth conditions on the site. It's expected that areas that are greater than 1 foot below the anticipated normal water level elevation in each wetland basin will be planted and managed to develop shallow marsh or deep marsh vegetation communities. Areas that are 1 foot lower than the normal water level elevation to 0.5 feet above the normal water level elevation will be planted and managed to develop wet meadow vegetation communities. Areas that are greater than 0.5 feet above the normal water level elevation will be planted and managed as upland grassland vegetation communities.

Following the completion of final grading, seeding and site preparation will be conducted, including: loosening compacted soils from mining practices and temporary cover crop seeding. It's not anticipated that the addition of organic topsoil will be needed to provide sufficient vegetation. Should invasive species germinate during the period between the final grading and seeding in portions of the wetland and buffer, the vegetation will be removed through scraping of the topsoil and the vegetation. If invasive species persist a herbicide application will be used to manage the non-native vegetation. Once the cover crop is established, final seeding will take place according to the planting zones using BWSR W1, BWSR W2 and BWSR U1 seed mixes, as shown on the attached figure labeled Page 11 of 13. Seeding of the site is proposed to take place between April 15 to June 15 or during dormant seeding conditions likely after October 15. In addition to the hand broadcast seeding of the site, live plant plugs will also be planted in each phase of site completion. Approximately 300 plants per acre will be planted in clusters of five plants with one foot spacing around a five foot diameter circle over the entire shallow marsh area, and include: River Bulrush, Lake Sedge, and Broad Leaf Arrowhead.

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The proposed maintenance schedule will be applied to each of the phases of the wetland and upland buffers as they are completed. Depending on the final establishment of each area, given the time of year and site conditions, each phase will likely have a different maintenance schedule. Monitoring reports will be submitted on a yearly basis for 5 years, or longer if needed, for each of the phases. Each of the areas will be managed yearly until performance standards are met. There will be three credit releases for each of phases based on meeting performance criteria set forth in the plan. There will be an initial release following the construction of each phase, a second release occurring when the performance criteria set forth by the plan is met after two or more (if additional management is needed) full growing seasons, and the last release occurring when performance criteria set forth by the plan is met after at least one full growing season following the second credit release, as detailed on the attached Page 13 of 13.

LONG-TERM MANAGEMENT OF THE SITE:

The established bank site would be managed by the sponsor or their successors in property ownership. Credit sales would be tracked by the sponsor and reported to the state as required by state law. The reported credit releases and sales would be tracked on both Corps and state databases using ledger data supplied by the state. A long term management plan for the site is required by the Corps, and is detailed in the Corps Mitigation Banking Instrument (MBI). By state law, long-term management of the property would be the responsibility of the landowner and the sponsor until all released credits have been debited. After all credits are debited, long-term management obligations would fall to the landowner under state law. Any additional protections and management limitations would be spelled out in both a conservation easement and in an approved bank plan.

COORDINATION WITH RESOURCE AGENCIES:

This project has been coordinated with the following members of the Interagency Review Team (IRT) and other resource agencies: Wright County Soil and Water Conservation District, Minnesota Board of Soil and Water Resources, Wright County Local Government Unit, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, and the Minnesota Department of Natural Resources.

3. REPLIES/COMMENTS:

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant. Replies may be addressed to the address below.

U.S. Army Corps of Engineers  
Operations – Regulatory Branch  
180 Fifth Street East, Suite 700  
Saint Paul, MN 55101-1638

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, please call **Jessie C. Diaz** in our Saint Paul District office at **(651) 290-5975**.

To receive Public Notices by e-mail, go to the St. Paul District web page at

**Operations - Regulatory (2012-05679-JCD)**

**SUBJECT: Crow River Wetland Bank**

<http://www.mvp.usace.army.mil/Missions/Regulatory/PublicNotices.aspx> and sign up by clicking on receive email notification on the left side of the web site under Notices.

**4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.**

None were identified by the applicant or are known to exist in the permit area. This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

**5. JURISDICTION.**

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a *preliminary determination* that any aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts. Because this project is a mitigation bank, any required compensatory mitigation would be accounted for in the credit yield calculations. Any regulated discharges associated with implementation of a final approved bank plan could likely be authorized by regional general permit if the bank plan is approved before any regulated discharge occurs. Any *approved jurisdictional determination* needed will be made prior to reaching a decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

**6. HISTORICAL/ARCHAEOLOGICAL.**

The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

**7. PUBLIC HEARING REQUESTS.**

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

**Operations - Regulatory (2012-05679-JCD)**  
**SUBJECT: Crow River Wetland Bank**

Tamara E. Cameron,  
Chief, Regulatory Branch

Enclosure(s)

# CONTRACT DRAWINGS CROW RIVER WETLAND BANK BANK OF MAPLE PLAIN

APRIL 2014



### INDEX OF SHEETS

- G-101 TITLE SHEET
- C-101 EXISTING CONDITIONS
- C-301 GRADING PLAN
- C-801 DETAILS

PROJECT LOCATION

PROJECT LOCATION MAP



**WARNING:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 800-484-3000 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG  
**GOPHER STATE ONE CALL**  
TWIN CITY AREA: 651-454-5002  
TOLL FREE 1-800-252-1156

	<p>DATE: 4/15/14</p> <p>DESIGNED BY: KEVIN B. WATSON</p> <p>CHECKED BY: [Signature]</p> <p>DATE: 4/15/14</p>	<p><b>Wenck</b> Consulting Engineers</p>	<p>PROJECT TITLE:</p> <p style="text-align: center;"><b>CROW RIVER WETLAND BANK</b></p> <p style="text-align: center;"><b>BANK OF MAPLE PLAIN</b></p>	<p>SHEET TITLE:</p> <p style="text-align: center;"><b>TITLE SHEET</b></p>																																	
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B	REV CONSTRUCTION PLAN	5/5/13	KJM	KJM
A	CONSTRUCTION PLAN	5/5/13	KJM	KJM
PC	REVISION DESCRIPTION	DATE	BY	CHKD
		4/15/14	RES	RES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*[Signature]*  
 KEVIN S. WATSON  
 DATE: 4/15/14

PROJECT TITLE  
 CROW RIVER WETLAND BANK

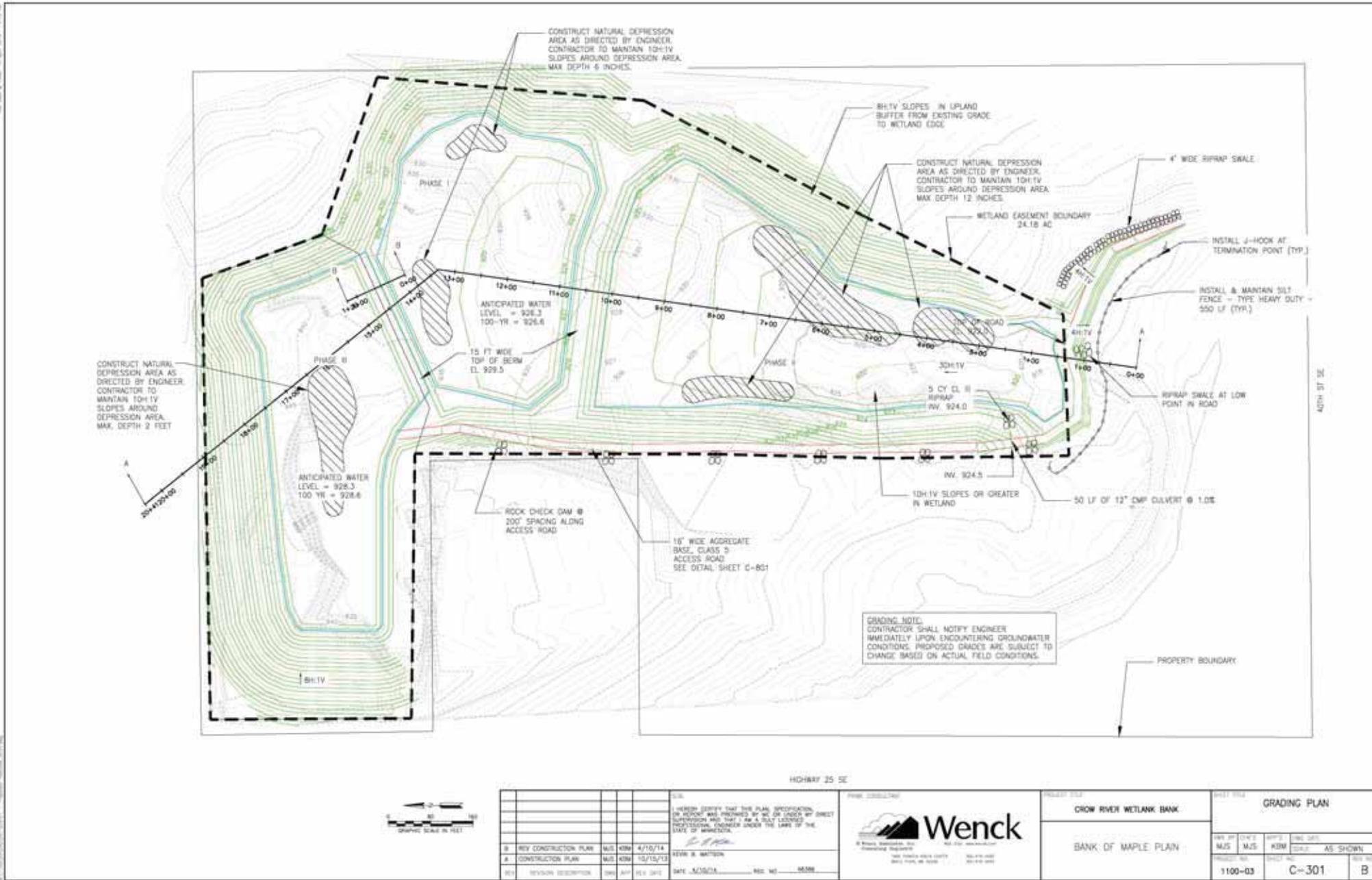
**Wenck**  
 A Truist Company  
 Consulting Engineers  
 1000 WOODLAND AVENUE  
 SUITE 1000  
 ST. PAUL, MN 55108

PROJECT TITLE	CROW RIVER WETLAND BANK
PROJECT NO.	1100-03
SHEET NO.	C-101
REV NO.	B

SHEET TITLE			
EXISTING CONDITIONS			
DESIGNED BY	DRAWN BY	APPROVED BY	DATE
MJS	KJM	KJM	5/5/13
PROJECT NO.	SHEET NO.	SCALE	AS SHOWN
1100-03	C-101		
REV NO.			
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11.00 AM

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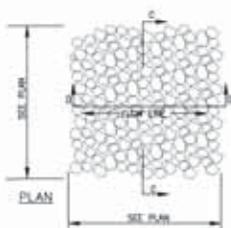
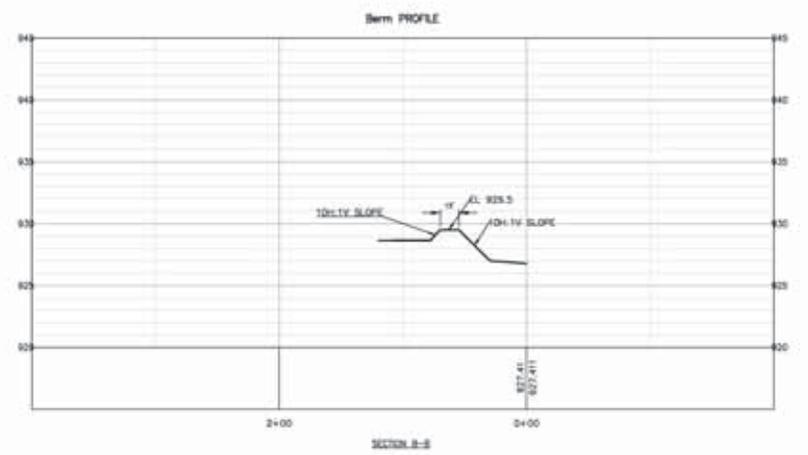
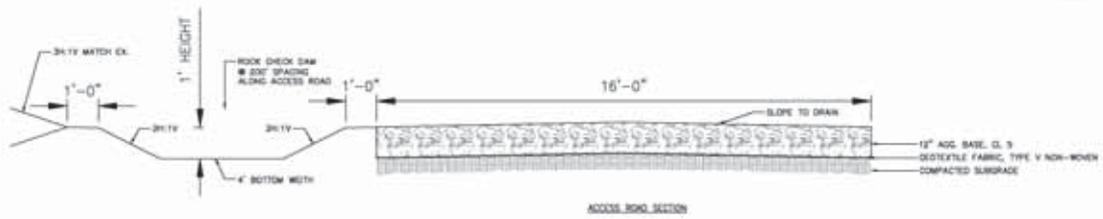
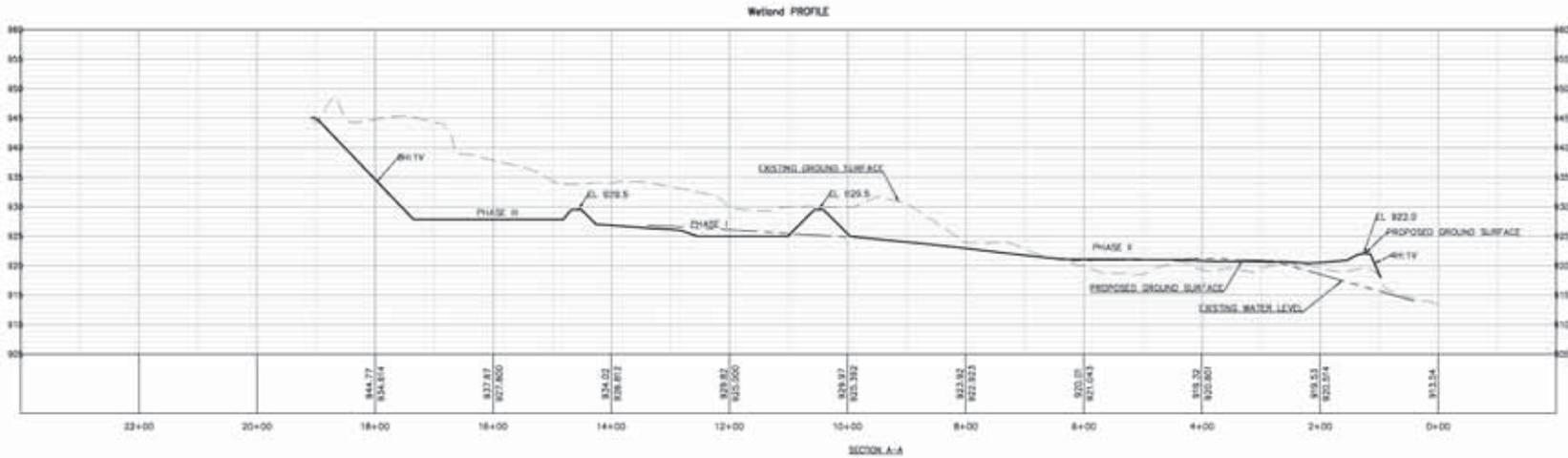
HIGHWAY 25 SE

REV	DESCRIPTION	DATE	BY	CHK
1	REV CONSTRUCTION PLAN	4/10/14	MJS	KRM
2	CONSTRUCTION PLAN	10/15/13	MJS	KRM
3	REVISED DESCRIPTION	08/07/13	MJS	KRM

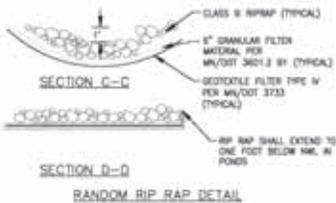
DATE: 10/15/13

Wenck  
 Professional Engineers  
 10000 Highway 25 SE, Suite 100  
 Edina, MN 55425  
 Tel: 763.933.8800  
 Fax: 763.933.8801  
 www.wenck.com

PROJECT NAME	CROW RIVER WETLAND BANK	SHEET TITLE	GRADING PLAN
PROJECT NO.	1100-03	DATE	AS SHOWN
PROJECT NO.	1100-03	SHEET NO.	C-301
PROJECT NO.	1100-03	REV. NO.	B



- NOTES**
1. THE RIP RAP FOUNDATION SHALL BE CONCRETE AND BUILT TO THE CROSS-SECTION INDICATED IN PLANS.
  2. FOUNDATION MATERIAL SHALL BE COMPACTED BEFORE PLACEMENT OF RIP RAP OR FILTER MATERIAL.
  3. 12" OF FILTER MATERIAL SHALL COVER THE ENTIRE AREA ON WHICH RIP RAP WILL BE PLACED.
  4. THE GEOTEXTILE FABRIC SHALL BE PLACED IMMEDIATELY AND BE FREE OF SORES THAT COULD PUNCTURE FABRIC.
  5. PLACED FABRIC WITH LONGEST DIMENSION PARALLEL TO DIRECTION OF WATER FLOW.
  6. OVERLAP FABRIC SEAMS BY 12".
  7. OVERLAP UNDERLAYER FABRIC SEAMS BY 36".



REV	REVISION DESCRIPTION	DATE	APP	REV DATE
B	REV CONSTRUCTION PLAN	4/15/14	MJS	KRM
A	CONSTRUCTION PLAN	10/15/13	MJS	KRM

DATE: 4/15/14  
 REG. NO.: 4598

**Wenck**  
 CONSULTING ENGINEERS, INC.  
 600 WOODLAND DRIVE, SUITE 100  
 WOODBURY, MN 55125  
 TEL: 952-469-1000  
 FAX: 952-469-1001

PROJECT TITLE		SHEET TITLE	
CROW RIVER WETLAND BANK		DETAILS	
BANK OF MAPLE PLAIN			
DATE: MJS	DATE: MJS	APP'D: KRM	DRAWN: MJS
PROJECT NO.: 1100-03	SHEET NO.: C-801	SCALE: AS SHOWN	REV. NO.: B



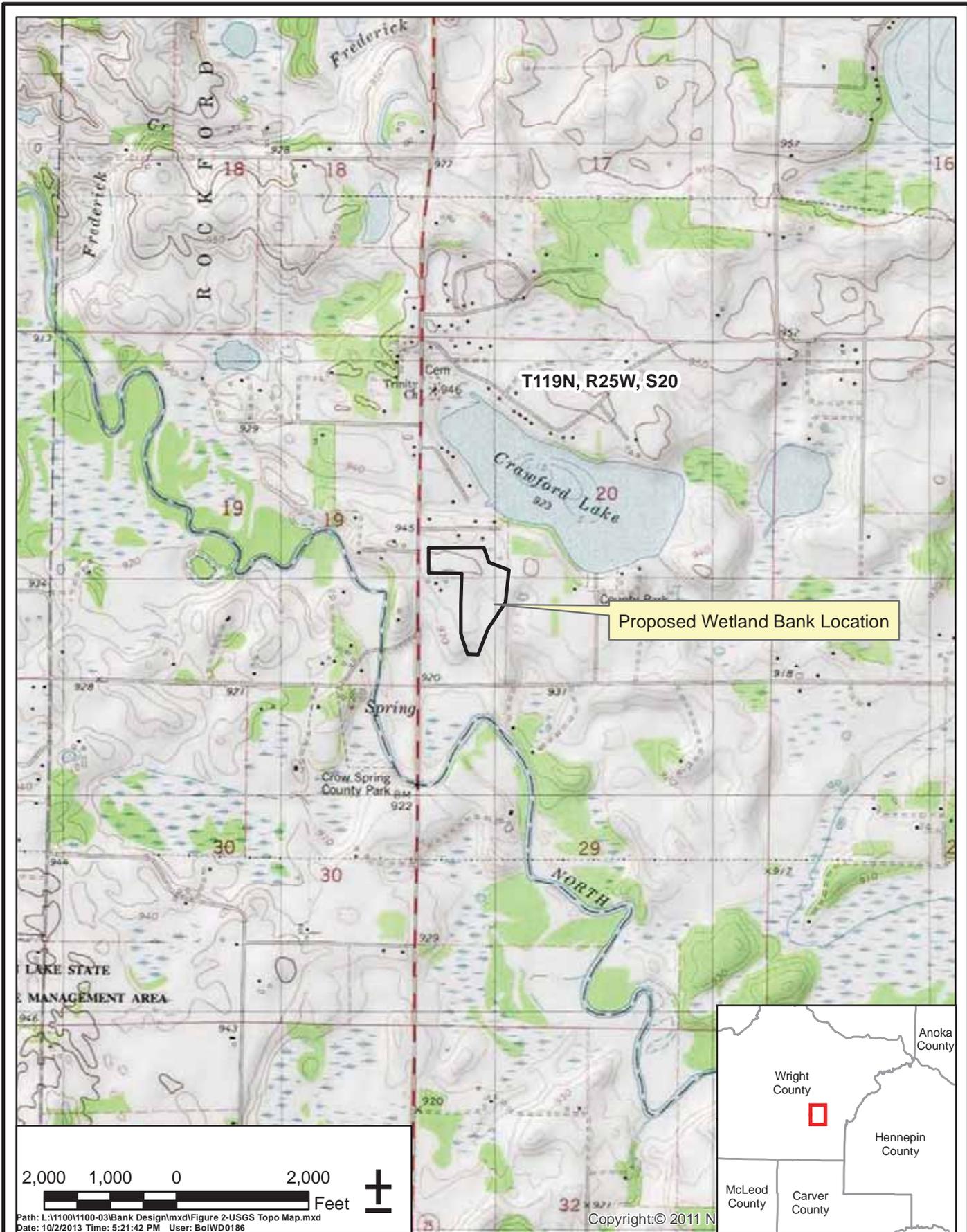
Path: L:\1100\1100-03\Bank Design\mxd\Figure 1-Site Location Map.mxd  
 Date: 10/2/2013 Time: 4:56:01 PM User: BoIWD0186

Image courtesy of USGS State

**CROW RIVER BANK**  
**Proposed Wetland Bank Location Map**

**Wenck**  
 Engineers - Scientists  
 Business Professionals  
 www.wenck.com  
 1800 Pioneer Creek Center  
 Maple Plain, MN 55359-0429  
 1-800-472-2232

**OCT 2013**  
**Figure 1**



**CROW RIVER WETLAND BANK**  
 USGS Topographic Map

**Wenck**  
 Engineers - Scientists  
 Business Professionals  
 www.wenck.com  
 1800 Pioneer Creek Center  
 Maple Plain, MN 55359-0429  
 1-800-472-2232

**OCT 2013**  
**Figure 2**

**Legend**

-  Access Road (To be restored as upland buffer following completion of construction)
-  Proposed Easement
-  Property Boundary



2010 Aerial Photograph (Source: Mn GEO)



Path: L:\1100\1100-03\Bank Design\mxd\Figure 3-Easement Area.mxd  
Date: 4/15/2014 Time: 7:31:52 AM User: BolWD0186

**CROW RIVER WETLAND BANK**

**Wetland Bank Easement**

  
 Engineers - Scientists  
 Business Professionals  
[www.wenck.com](http://www.wenck.com)

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1800 Pioneer Creek Center  
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**APR 2014**

**Figure 3**



CROW RIVER WETLAND BANK

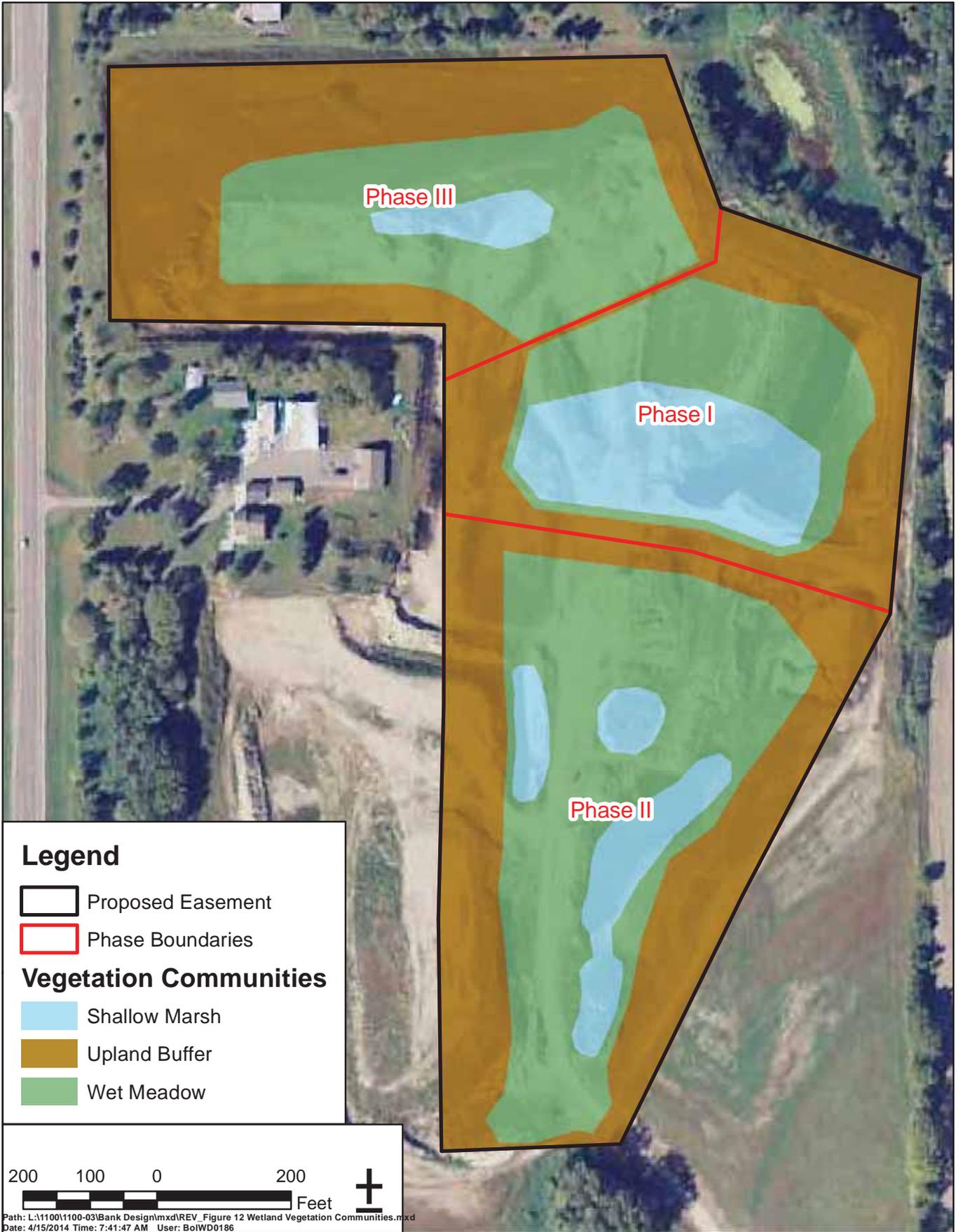
Wetland Bank Map

  
 Engineers - Scientists  
 Business Professionals  
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APR 2014

Figure 11



**Legend**

Proposed Easement

Phase Boundaries

**Vegetation Communities**

Shallow Marsh

Upland Buffer

Wet Meadow

200 100 0 200 Feet

Path: L:\1100\1100-03\Bank Design\mxd\REV\_Figure 12 Wetland Vegetation Communities.mxd  
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CROW RIVER WETLAND BANK

Proposed Vegetation Communities

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APR 2014

Figure 12



2012 Aerial Photograph (Source: ESRI)



Path: L:\1100\1100-03\Bank Design\mxd\Figure 13-Well Boring Logs.mxd  
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**Legend**

- A Adjacent\_wells
- Proposed Easement Boundary

Source: Esri, Intel  
Aerogrid, IGN, IGC

CROW RIVER WETLAND BANK

Adjacent Well Locations



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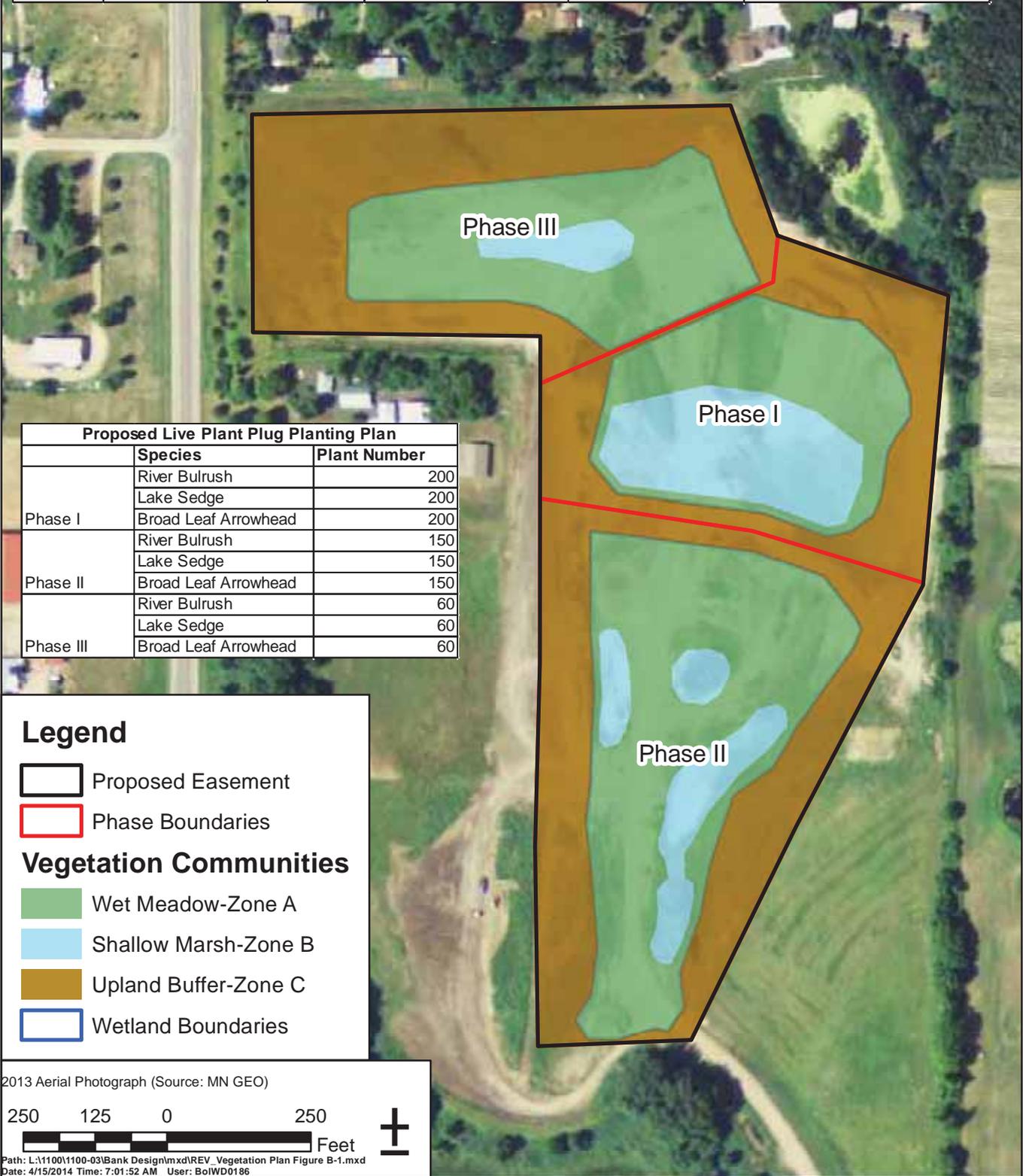
**Wenck**

1800 Pioneer Creek Center  
Maple Plain, MN 55359-0429  
1-800-472-2232

OCT 2013

Figure 13

Planting Zone	Proposed Vegetation Community	Area Planted (acres)	Seed/Plant Mix	Seeding/Planting Method	Seeding Rate
Zone A	Shallow Marsh	3.23	BWSR W1	Hand Broadcast	8 lbs/acre (150-200 seeds/ft <sup>2</sup> )
Zone B	Wet Meadow	9.86	BWSR W2	Hand Broadcast	8 lbs/acre (150-200 seeds/ft <sup>2</sup> )
Zone C	Prairie	11.07	BWSR U1 + Cover Crop	Drilled	15lbs/acre (30-70 seeds/ft <sup>2</sup> )



	Species	Plant Number
Phase I	River Bulrush	200
	Lake Sedge	200
	Broad Leaf Arrowhead	200
Phase II	River Bulrush	150
	Lake Sedge	150
	Broad Leaf Arrowhead	150
Phase III	River Bulrush	60
	Lake Sedge	60
	Broad Leaf Arrowhead	60

**Legend**

Proposed Easement

Phase Boundaries

**Vegetation Communities**

Wet Meadow-Zone A

Shallow Marsh-Zone B

Upland Buffer-Zone C

Wetland Boundaries

2013 Aerial Photograph (Source: MN GEO)



Path: L:\1100V1100-03\Bank Design\mxd\REV\_Vegetation Plan Figure B-1.mxd  
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CROW RIVER WETLAND BANK

Vegetation Planting Plan

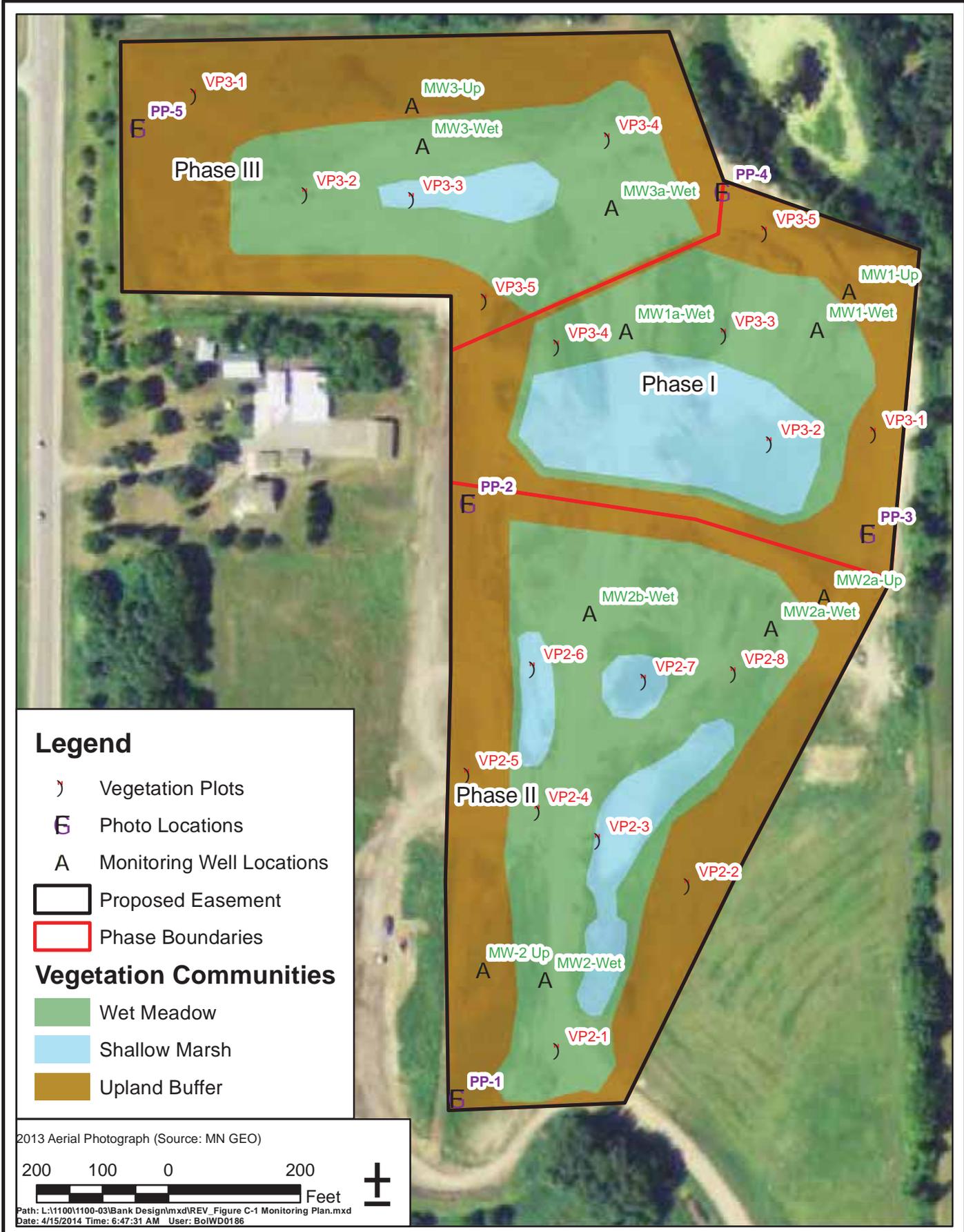
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Figure B-1



**Legend**

- ) Vegetation Plots
  - E Photo Locations
  - A Monitoring Well Locations
  - ▭ Proposed Easement
  - ▭ Phase Boundaries
- Vegetation Communities**
- ▭ Wet Meadow
  - ▭ Shallow Marsh
  - ▭ Upland Buffer

2013 Aerial Photograph (Source: MN GEO)

200 100 0 200 Feet

Path: L:\1100\1100-03\Bank Design\mxd\REV\_Figure C-1 Monitoring Plan.mxd  
 Date: 4/15/2014 Time: 6:47:31 AM User: BoiWDO186

Table 2-Proposed Credit Release Table

Phase	Area (acres)	Minimum Credit	Maximum Credit	1st Credit Release	2nd Credit Release	3rd and Final Credit Release
Phase 1 Wetland	3.82	1.91	2.87	0.29 (15% of 1.91) following construction certification by LGU	0.96 (cumulatively 50% of 1.91) if wetland is at least 25% wet meadow, has 50% cumulative coverage by native species, at least 6 native species present, and wetland hydrology demonstrated after at least 2 full growing seasons following construction certification, OR: 1.44 (cumulatively 50% of 2.87) if at least 40% of wetland is wet meadow and native vegetation coverage, diversity and hydrology as above.	Amount necessary to bring cumulative total to 1.91 if at least 40% of wetland is wet meadow, 70% cumulative coverage of natives, at least 8 native species present, and wetland hydrology present after at least 1 full growing season following 2nd credit release, OR: Amount necessary to bring cumulative total to 2.87 if at least 60% of wetland is wet meadow and native vegetation coverage, diversity, and hydrology as above.
Phase 1 Buffer	2.53	0.25	0.63	0.10 (15% of 0.63) following construction certification by LGU	0.31 (cumulatively 50% of 0.63) if at least 50% cumulative coverage of natives, overall plant coverage at least 75%, and no areas of erosion after at least 2 full growing seasons following construction certification	Amount necessary to bring cumulative total to 0.25 if at least 90% overall plant coverage and no erosion at time of final credit deposit for wetland area, OR: Amount necessary to bring cumulative total to 0.63 if at least 50% cumulative coverage of natives, overall plant coverage of 90% and no areas of erosion at the time of the final credit deposit for wetland area.
Phase 2 Wetland	5.64	2.82	4.23	0.42 (15% of 2.82) following construction certification by LGU	1.41 (cumulatively 50% of 2.82) if wetland is at least 25% wet meadow, has 50% cumulative coverage by native species, at least 6 native species present, and wetland hydrology demonstrated after at least 2 full growing seasons following construction certification, OR: 2.12 (cumulatively 50% of 4.23) if at least 40% of wetland is wet meadow and native vegetation coverage, diversity and hydrology as above.	Amount necessary to bring cumulative total to 2.82 if at least 40% of wetland is wet meadow, 70% cumulative coverage of natives, at least 8 native species present, and wetland hydrology present after at least 1 full growing season following 2nd credit release, OR: Amount necessary to bring cumulative total to 4.23 if at least 60% of wetland is wet meadow and native vegetation coverage, diversity, and hydrology as above.
Phase 2 Buffer	4.23	0.42	1.06	0.10 (15% of 1.06) following construction certification by LGU	0.53 (cumulatively 50% of 1.06) if at least 50% cumulative coverage of natives, overall plant coverage at least 75%, and no areas of erosion after at least 2 full growing seasons following construction certification	Amount necessary to bring cumulative total to 0.42 if at least 90% overall plant coverage and no erosion at time of final credit deposit for wetland area, OR: Amount necessary to bring cumulative total to 1.06 if at least 50% cumulative coverage of natives, overall plant coverage of 90% and no areas of erosion at the time of the final credit deposit for wetland area.
Phase 3 Wetland	3.63	1.82	2.72	0.41 (15% of 2.72) following construction certification by LGU	0.91 (cumulatively 50% of 1.82) if wetland is at least 25% wet meadow, has 50% cumulative coverage by native species, at least 6 native species present, and wetland hydrology demonstrated after at least 2 full growing seasons following construction certification, OR: 1.36 (cumulatively 50% of 2.72) if at least 40% of wetland is wet meadow and native vegetation coverage, diversity and hydrology as above.	Amount necessary to bring cumulative total to 1.82 if at least 40% of wetland is wet meadow, 70% cumulative coverage of natives, at least 8 native species present, and wetland hydrology present after at least 1 full growing season following 2nd credit release, OR: Amount necessary to bring cumulative total to 2.72 if at least 60% of wetland is wet meadow and native vegetation coverage, diversity, and hydrology as above.
Phase 3 Buffer	4.30	0.43	1.08	0.16 (15% of 1.08) following construction certification by LGU	0.54 (cumulatively 50% of 1.08) if at least 50% cumulative coverage of natives, overall plant coverage at least 75%, and no areas of erosion after at least 2 full growing seasons following construction certification	Amount necessary to bring cumulative total to 0.43 if at least 90% overall plant coverage and no erosion at time of final credit deposit for wetland area, OR: Amount necessary to bring cumulative total to 1.08 if at least 50% cumulative coverage of natives, overall plant coverage of 90% and no areas of erosion at the time of the final credit deposit for wetland area.