

## Information for File # 2015-02074-MJB

<b>Applicant</b>	Mower County Soil and Water Conservation District
<b>Corps Contact</b>	Meghan Brown
<b>Address</b>	1114 South Oak Street, La Crescent, MN 55947
<b>E-Mail</b>	Meghan.J.Brown@usace.army.mil
<b>Phone</b>	651-290-5688
<b>Primary County</b>	Mower
<b>Section</b>	24
<b>Township</b>	103 North
<b>Range</b>	17 West
<b>Latitude (NAD83)</b>	43.71296
<b>Longitude (NAD83)</b>	-92.81906
<b>Information Complete On</b>	26 February 2016
<b>Posting Expires On</b>	27 May 2016
<b>Authorization Type</b>	LOP-05-MN

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section 404 of the Clean Water Act.

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link: <http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

### **Project Description and Purpose (per applicant):**

The proposed project consists of building two earthen berms measuring approximately 20 (Kiser Berm) and 23 (Johnson Berm or Kiser DS Berm) feet high. The berms would be built for the capacity to withstand a 100 year flood event with a 1 to 3 day retention time. An outlet control structure containing a concrete weir would be at the flow entrance of the berm. Emergency overflows would be utilized when a flow larger than a 100 year, 24 hour event occurs. The Kiser Berm would support a 0.8 square mile watershed. The Johnson Berm would support a 0.4 square mile watershed. The berms are proposed to result in a peak flow reduction of 11% to downstream waters.

The purpose of the project is to provide flood control storage while improving water quality and reducing peak flows. This would reduce sediment load and provide run-off protection downstream.

### **State Designated Trout Stream:**

The proposed project is not located in a designated trout stream.

**State Listed Impaired (Section 303(d)) Waters:**

The proposed project is not located in a state listed impaired water.

**Name, Area, and Types of Waters Subject to Loss:**

The project would result in the permanent discharge of fill material into 280 linear feet (0.03 acre) of an unnamed tributary and 0.51 acre of wetlands abutting the unnamed tributary, which is a tributary of Dobbins Creek, a perennial stream, for the construction of the two berms.

**Alternative Considered (per applicant):**

The applicant considered the “No Action” alternative but this would not address flood control concerns and water quality of the downstream waters. The applicant also considered restoring wetlands to aid in flood control and sediment reduction but a survey did not find sufficient potential depressional storages in the watershed that could be utilized.

**Federally Listed Threatened and Endangered Species:**

The northern long-eared bat (threatened), prairie bush clover (threatened), and western prairie fringed orchid (threatened) can be found in Mower County, Minnesota.

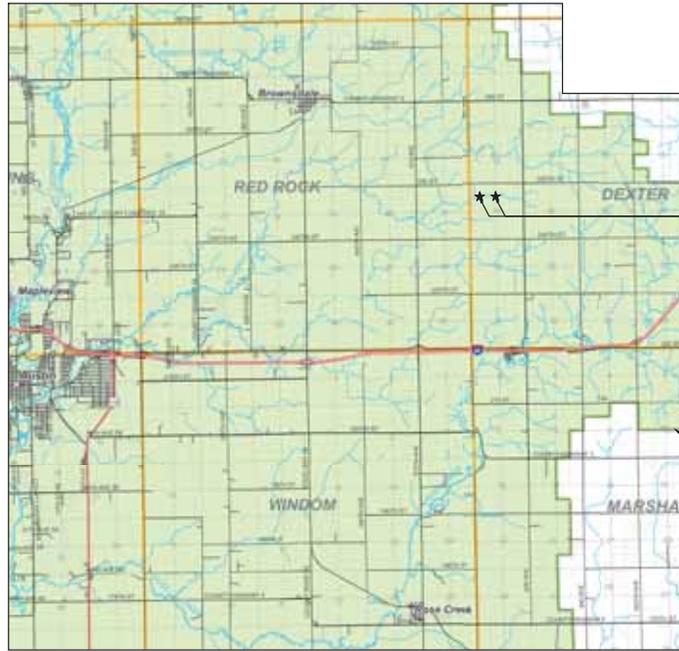
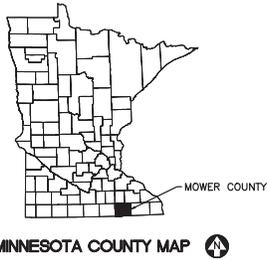
**Historic Properties:**

The latest version of the National Register of Historic Places has been consulted and no listed properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

**Compensatory Mitigation:** The applicant has not proposed compensatory mitigation for the project.

**Drawings:** Please see enclosed drawings labeled: MVP-2015-02074-MJB Drawing 1 of 4 through Drawing 4 of 4.

# CEDAR RIVER WATERSHED DISTRICT DOBBINS CREEK 1 KISER AND DS KISER BASINS AUSTIN, MINNESOTA



**INDEX OF SHEETS**

- C-01 . . . . . TITLE SHEET AND SITE LOCATION MAP
- C-02 . . . . . SITE AND EROSION CONTROL PLAN
- G-03 . . . . . STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
- C-01 . . . . . DS KISER BERM PLAN AND PROFILE
- C-02 . . . . . DS KISER OUTLET STRUCTURE DETAILS
- C-03 . . . . . KISER BERM PLAN AND PROFILE
- C-04 . . . . . KISER OUTLET STRUCTURE DETAILS
- C-05 . . . . . BERM SECTIONS AND DETAILS
- C-06 . . . . . EMERGENCY OVERFLOW AND RIPRAP DETAILS
- C-07 . . . . . EROSION CONTROL DETAILS
- C-08 . . . . . BORROW AREA

PROJECT LOCATIONS  
SITE ACCESS FROM  
250TH ST

CRWD BOUNDARY

**CONTACTS**  
 JACOB BURGGRAF - SENIOR DESIGNER  
 BARR ENGINEERING CO.  
 PHONE: 952-832-2743  
 FAX: 952-832-2601  
 EMAIL: JNB@BARR.COM

PATRICK BROCKAMP - CIVIL ENGINEER  
 BARR ENGINEERING CO.  
 PHONE: 952-842-3593  
 FAX: 952-832-2601  
 EMAIL: PEB@BARR.COM

HORIZONTAL DATUM: NAD83  
 VERTICAL DATUM: NAVD 88

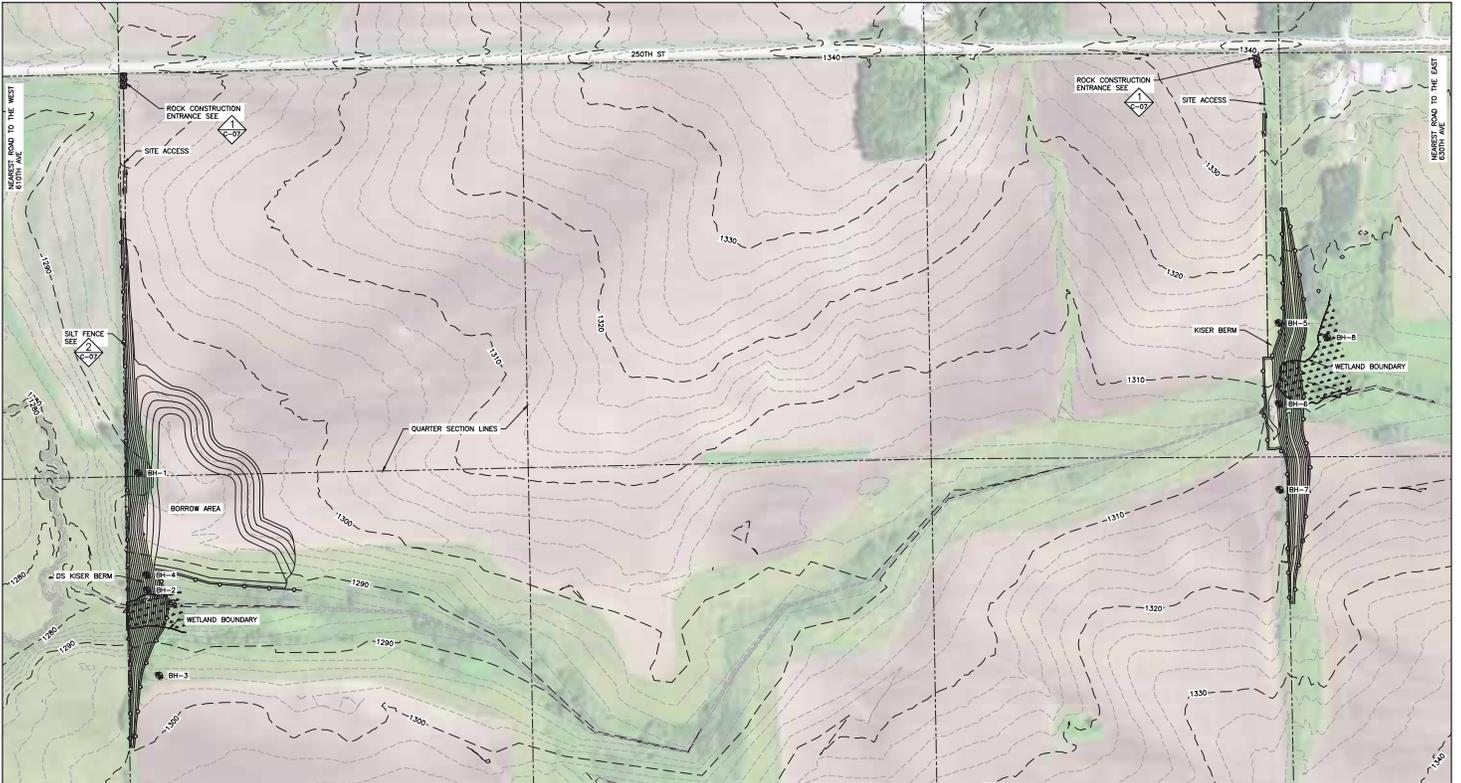
**DRAFT  
ISSUED FOR REVIEW**

**PROJECT LOCATION MAP**



CRWD USER: JACOB\_BURGGRAF; E:\PROJECTS\2015\201502074\MJB\201502074.dwg; PLOT DATE: 12/23/2015 1:08 PM

I HEREBY CERTIFY THAT THE PLANS SPECIFICATIONS OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE SUPERVISION AND THAT I AM A LEGALLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		CLIENT: 12/23/2015 DATE: 12/23/2015 PROJECT: CEDAR RIVER WATERSHED DISTRICT DOBBINS CREEK 1 KISER AND DS KISER BASINS		SHEET: AS SHOWN DATE: 12/23/2015 DRAWN: PEB CHECKED: JNB DESIGNED: PEB APPROVED: SMK		BARR PROJECT No. 23/50-1016.00 CLIENT PROJECT No.					
PRINTED NAME: STEVEN M. SIEN SIGNATURE: _____ DATE: _____ LICENSE # _____		RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED:		Project Office: BARR ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN 55435-4803 Phone: 1-800-832-2277 Fax: (952) 832-2601 www.barr.com		CEDAR RIVER WATERSHED DISTRICT AUSTIN, MN		DOBBINS CREEK 1 KISER AND DS KISER BASINS TITLE SHEET AND SITE LOCATION MAP		DWG. No. G-01 REV. No. A	



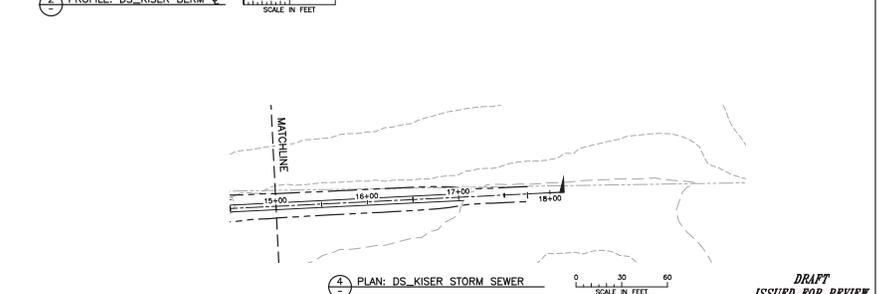
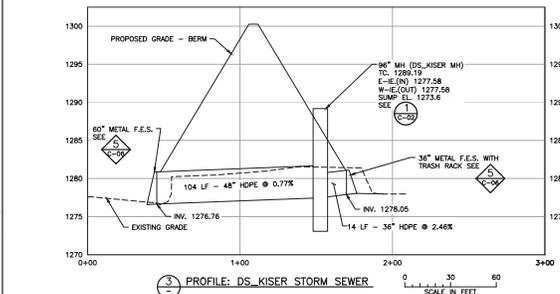
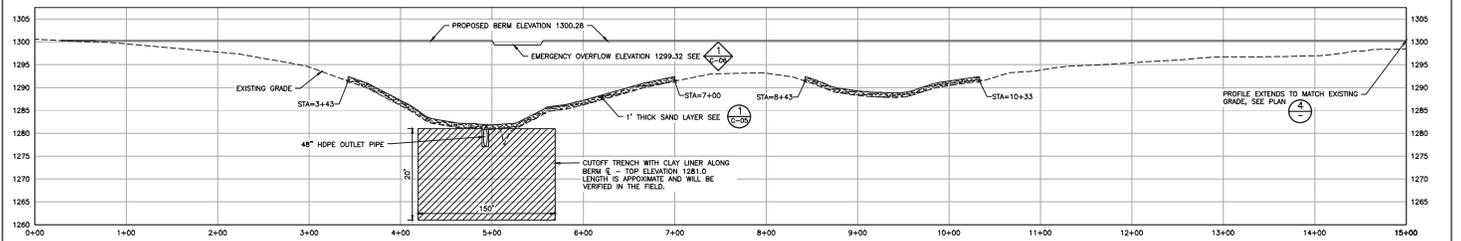
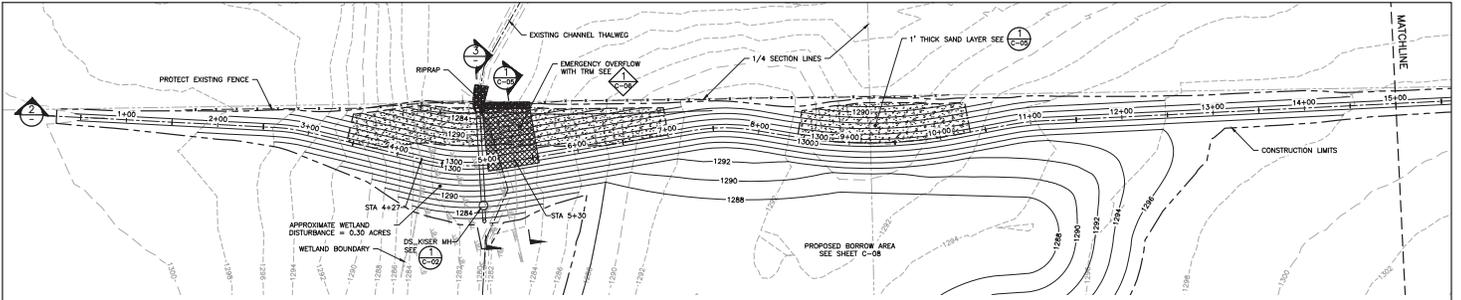
1 PLAN: SITE AND EROSION CONTROL PLAN



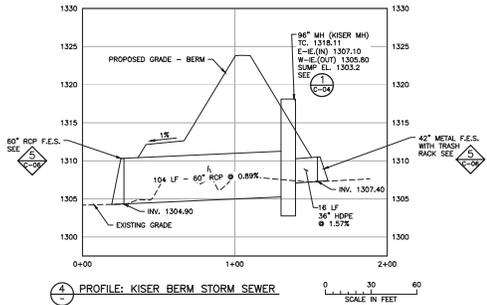
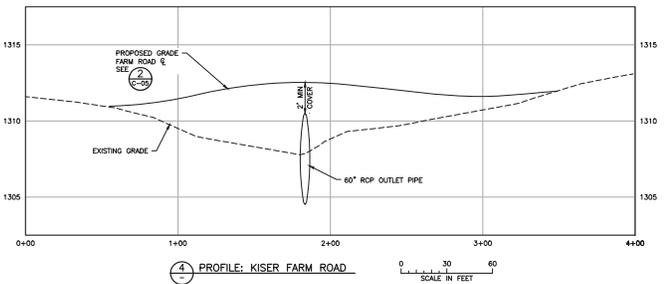
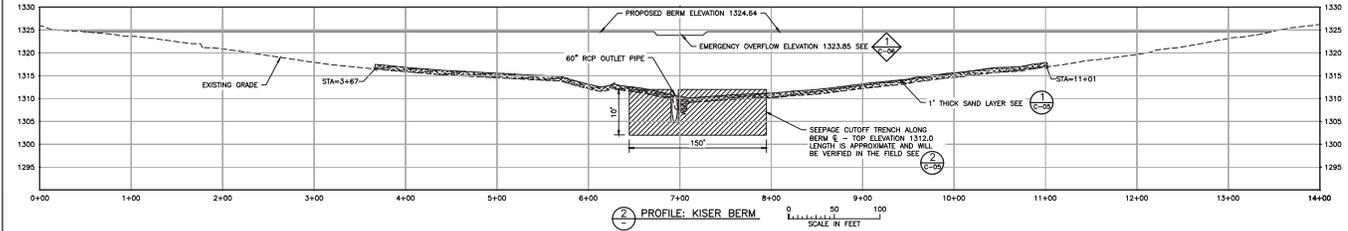
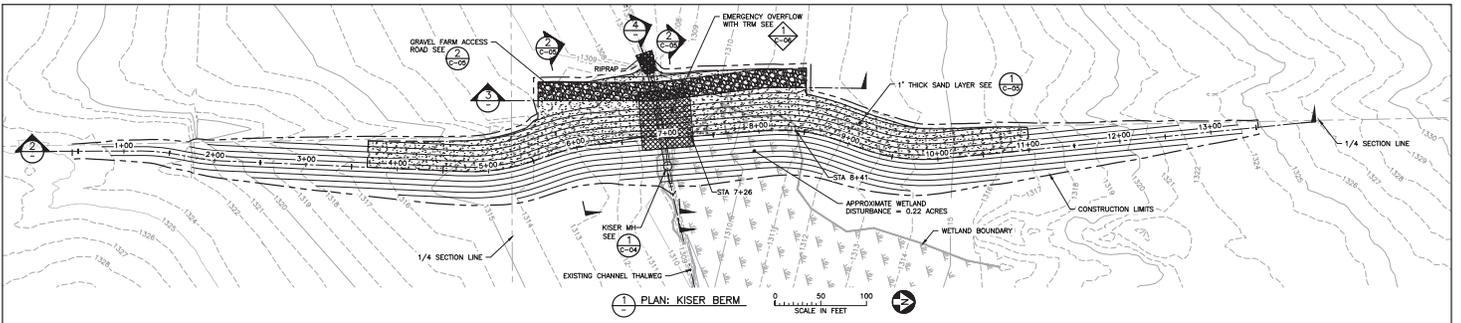
- NOTES:
1. COORDINATE SITE ACCESS WITH LANDOWNERS.
  2. SEE SHEET C-07 FOR EROSION CONTROL DETAILS.
  3. SEE GEOTECHNICAL REPORT FOR SOIL BORINGS (APPENDIX A IN SPECIFICATIONS).

**DRAFT**  
**ISSUED FOR REVIEW**

I HEREBY CERTIFY THAT THE PLANS SPECIFICATIONS OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: <b>STEVEN M. SIEN</b> SIGNATURE: _____ DATE: _____ LICENSE # _____		CLIENT: 12/23/15 SEC: CONSTRUCTION RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED: _____	<b>BARR</b> Project Office: BARR ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN 55435-4803 Telephone: (612) 833-2277 Fax: (612) 833-2881 www.barr.com	Scale: AS SHOWN Date: 12/23/2015 Drawn: PEB Checked: JNB Designed: PEB Approved: SMK	CEDAR RIVER WATERSHED DISTRICT AUSTIN, MN	DOBBINS CREEK 1 KISER AND DS KISER BASINS SITE AND EROSION CONTROL PLAN	BARR PROJECT No.: 23/50-1016.00 CLIENT PROJECT No.: _____ DWG. No.: G-02 REV. No.: A
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I HEREBY CERTIFY THAT THE PLANS SPECIFICATIONS OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: STEVEN M. SMITH SIGNATURE: [Signature] DATE: 12/23/2015 LICENSE # 0000000000		CLIENT: [Blank] PROJECT: [Blank] CONSTRUCTION: [Blank]		Project Office: <b>BARR</b> ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN 55435-4803-2277 TEL: (612) 833-2877 FAX: (612) 833-2871 www.barr.com		Date: AS SHOWN Drawn: 12/23/2015 Checked: PEB Designer: JNB Drafted: PEB Approved: SMK		CEDAR RIVER WATERSHED DISTRICT AUSTIN, MN		DOBBINS CREEK 1 KISER AND DS KISER BASINS DS KISER BERM PLAN AND PROFILE		BARR PROJECT No.: 23/50-1016.00 CLIENT PROJECT No.: [Blank] DWG. No.: C-01 REV. No.: A	
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PRINTED NAME: STEVEN M. SMER SIGNATURE: _____ DATE: _____ LICENSE # _____	RELEASED TO/FOR: _____ DATE RELEASED: _____	<b>BARR</b> BARR ENGINEERING CO. 4700 WEST 77TH STREET MINNEAPOLIS, MN 55435-4803 TEL: 1-800-832-2277 FAX: 1-800-832-2871 WWW.BARR.COM	CEDAR RIVER WATERSHED DISTRICT AUSTIN, MN	DOBBS CREEK 1 KISER AND DS KISER BASINS KISER BERM PLAN AND PROFILE