

## **Information for File # 2013-03180-JCD**

**Applicant: City of Buffalo – Merton Auger**

**Corps Contact: Jessie C. Diaz**

**Address: 180 – 5<sup>th</sup> Street East, Suite 700; St. Paul, Minnesota 55303**

**E-Mail: Jessie.C.Diaz@usace.army.mil**

**Phone: 651-290-5975**

**Primary County: Wright**

**Section: 33**

**Township: 120 North**

**Range: 25 West**

**Information Complete On: January 3, 2014**

**Posting Expires On: January 26, 2014**

**Authorization Type: LOP-05-MN**

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 the 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 and compensatory mitigation requirements identified above.

### **Project Description:**

The City of Buffalo is proposing drainage improvements to the Willow Creek watershed area at the Buffalo Municipal Airport, including: excavation and vegetation removal along approximately 313 linear feet of overflow channel along County Highway (CH) 134, and conversion of approximately 742 linear feet of channel running west to east between the airport hangers and Menards, from riprap to a concrete lining on the bottom and sides of the channel. The channel along CH-134 will be excavated to its original elevation, allowing it to carry the flow it was designed to. The project also includes grading in an upland area adjacent to Fredrick's Creek for the creation of a stormwater storage area.

**Project Purpose:**

Willow Creek drains approximately 1,135 acres of primarily agricultural and wetland area upstream of County State Aid Highway (CSAH) 34, another 110 acres of agricultural and airport areas, some commercial/industrial areas upstream of trunk highway (TH) 55, and some higher density residential areas before draining to Buffalo Lake. The City of Buffalo has experienced several rainfall events in excess of 5” in a 24-hour period which have caused flooding of the airport area upstream of CR 134. Due to these flooding events, the City of Buffalo is proposing to make drainage improvements to prevent flooding of the airport.

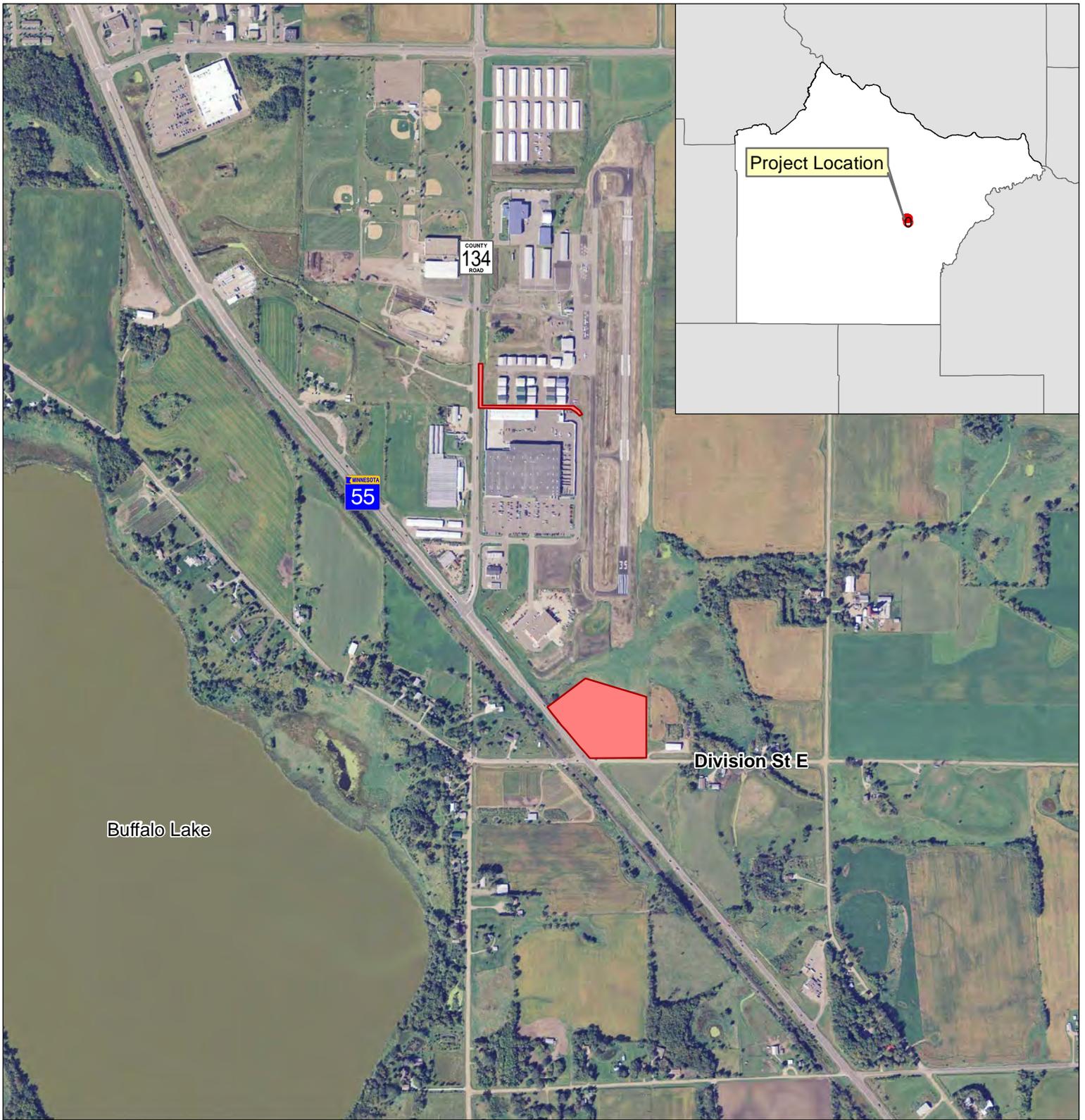
**Alternatives Considered:**

No alternatives were considered.

**Compensatory Mitigation:**

No compensatory Mitigation is proposed.

**Drawings**      See attached.



Buffalo Lake

Division St E

MINNESOTA  
55

COUNTY  
134  
ROAD

Project Location



Source: 2010 FSA Photo



**Willow Creek  
Drainage Improvements**

**Location  
Map**

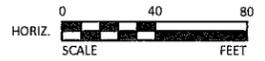
**Figure 1**

August, 2013





+ BM=961.36  
 BUFFPORT AZ MK  
 APPROX. 484' N-NE OF  
 S. END OF RUNWAY  
 AND 189' EAST OF  
 CENTERLINE OF RUNWAY



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

BRADLEY C. DEWOLF  
 U.C. NO. 24000 DATE 8/27/2013

DESIGNED TJO  
 DRAWN TJO/TMJ  
 CHECKED TJO

**BOLTON & MENK, INC.**  
 Consulting Engineers & Surveyors  
 MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN  
 WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN  
 BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA

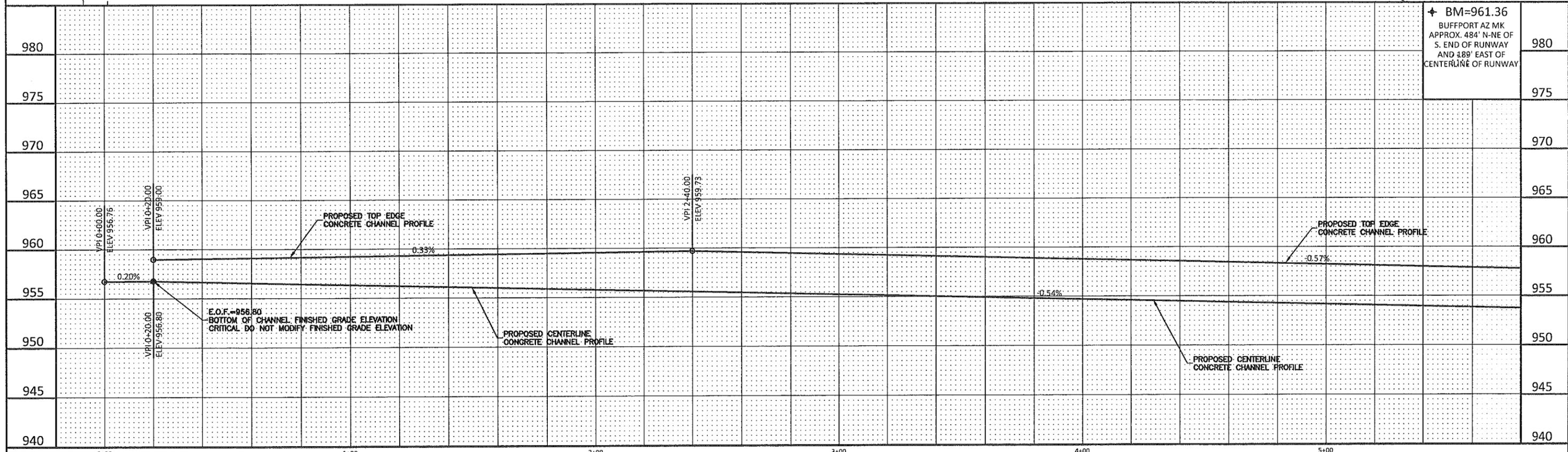
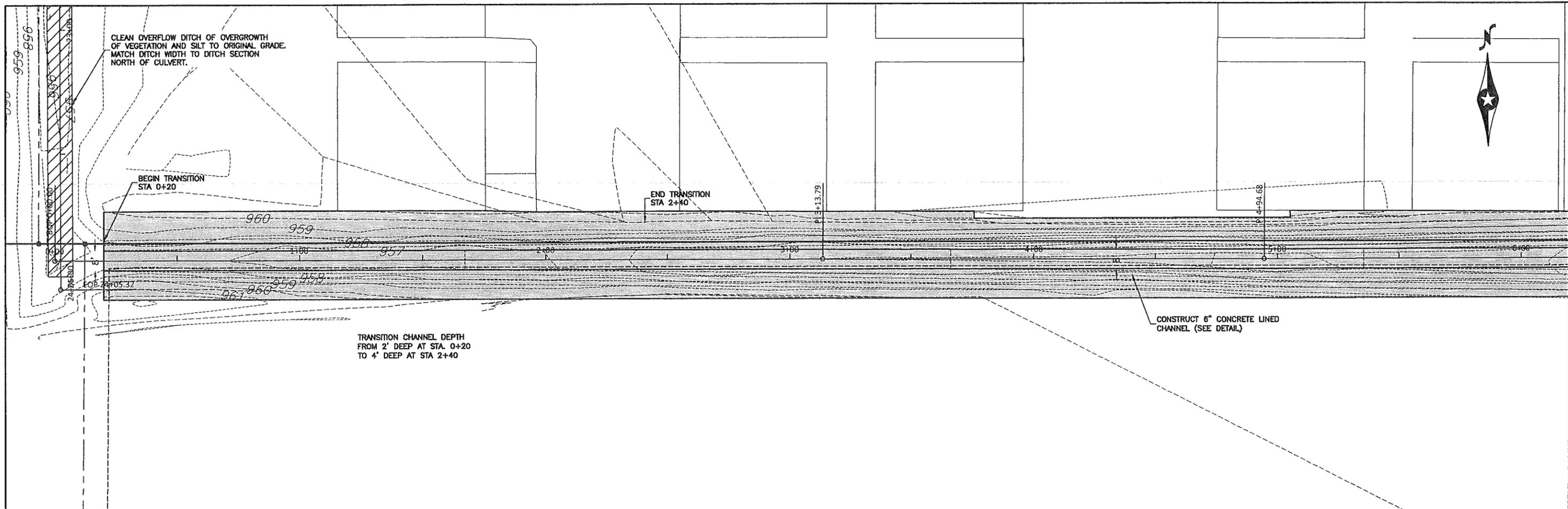
REV.	BY	DATE

CITY OF BUFFALO, MINNESOTA  
 WILLOW CREEK DRAINAGE IMPROVEMENTS  
 GRADING PLAN

SHEET  
**5.1**

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<p>0+00      1+00      2+00      3+00      4+00      5+00</p> <p>HORIZ. SCALE 0 20 40 FEET</p> <p>VERT. SCALE 0 5 10 FEET</p>	<p>HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>BRADLEY C. DEWOLF UC NO. 24000      DATE 8/7/2013</p>	<p>DESIGNED TJO DRAWN TJO/TMJ CHECKED TJO</p> <p><b>BOLTON &amp; MENK, INC.</b> Consulting Engineers &amp; Surveyors MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REV.</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REV.	BY	DATE										<p style="text-align: center;">CITY OF BUFFALO, MINNESOTA</p> <p style="text-align: center;">WILLOW CREEK DRAINAGE IMPROVEMENTS</p> <p style="text-align: center;">CHANNEL PLAN &amp; PROFILE</p> <p style="text-align: center;">-0+20-5+80</p>	<p>SHEET</p> <p style="text-align: center; font-size: 24pt;">7.1</p>
REV.	BY	DATE															

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