

Pursuant to due call and notice thereof, a regular meeting of the North Mankato City Council was held in the Municipal Building Council Chambers on June 4, 2012. Mayor Dehen called the meeting to order at 7:00 p.m. asking that everyone join in the Pledge of Allegiance. The following were present for the meeting, Mayor Dehen, Council Members Schindle, Freyberg, Steiner and Norland, Interim City Administrator Fischer, Finance Director Thorne, City Clerk Gehrke, Attorney Kennedy and Engineer Malm.

**Approval of Agenda**

**Council Member Freyberg moved, seconded by Council Member Norland, to approve the agenda as presented. Vote on the motion: Norland, Schindle, Freyberg, Steiner and Dehen, aye; no ayes. Motion carried.**

**Approval of Minutes**

**Council Member Steiner moved, seconded by Council Member Norland, to approve the minutes of the Council meeting of May 21, 2012. Vote on the motion: Schindle, Freyberg, Steiner, Norland and Dehen, aye; no nays. Motion carried.**

**Correspondence – none.**

**Open the Meeting to the Public for the First Time****Barbara Church, 102 E. Wheeler Avenue**

Barbara Church, 102 E. Wheeler Avenue, appeared before the Council to detail her concern that any outside vendor she would hire to remove her brush would not be allowed to drop brush off at the compost site. Interim Administrator Fischer will review this matter with staff and report back to the Council. Ms. Church stated she did not see a Joint Port Authority/Council meeting posted on the City calendar. Mayor Dehen reported a Port Authority meeting would be held in the near future. Ms. Church also spoke of the City Administrator job description and asked that it be reviewed as it relates to the Port Authority duties.

**Nicollet County Board Actions**

Mayor Dehen reported the sale of the tax-forfeited land was rescheduled for 1 p.m. on Wednesday, June 27, 2012 due to publication errors.

**Consent Agenda**

**Council Member Steiner moved, seconded by Council Member Schindle, to approve the Consent Agenda which includes:**

1. Resolution No. 35-12 Declaring Costs to be Assessed for Municipal Charges – 1022 Shady Oak Drive.
2. Audio and Large Group Permit for LabelWorks (Navitor) Company Picnic, Wheeler Park, Sunday, June 24, from 8 a.m. to 5 p.m.
3. Resolution No. 36-12 Waiving Waiting Period for Exemption from Lawful Gambling License for Knights of Columbus to Conduct Raffles on November 23, 2012 at 546 Grant Avenue.
4. Resolution No. 37-12 Approving Donations and Contributions.

**Vote on the motion: Schindle, Freyberg, Steiner and Norland, aye; Dehen abstained, no nays. Motion carried.**

**Interim City Administrator****Res. No. 38-12 Adopting Realignment of the Fixed Bus Routes**

Interim Administrator Fischer reported staff has participated in a Greater Mankato Transit Redesign Study led by the consulting firm of Nelson/Nygaard, Inc. As part of the study, public input was solicited through public meetings with community groups, a community survey and presentation and feedback sessions regarding potential changes to the existing bus routes. Based on an evaluation of the existing transit services, feedback from the community and input from the Greater Mankato Transit Redesign Study technical committee, Nelson/Nygaard recommends the realignment of the current mass transit bus route to provide more direct service between major destination points. The recommended changes can be implemented at no increased cost and will provide faster and more direct service to popular destinations. He reported the original study did not recommend any transit service north of Highway 14 in North Mankato. Due to the presence of the North Port Industrial Park, Avalon Park and Camelot Park, staff requested that transit service be added in this area. The City of Mankato approved the realignment of bus routes in Mankato at their Council meeting of May 29, 2012. Should the City of North Mankato approve realignment of the bus routes, the change would become effective August 20, 2012. Council Member Schindle stated his concern is the Northway/James/Commerce area. Interim Administrator Fischer reported the goal is to provide faster service; however, some riders may have a longer walk to the bus stop. **Council Member Steiner moved, seconded by Council Member Norland, to adopt Resolution No. 38-12 Adopting Realignment of the Fixed Bus Routes. Vote on the Resolution: Schindle, Freyberg, Steiner, Norland and Dehen, aye; no nays. Motion carried.**

**School and Conference**

**Council Member Steiner moved, seconded by Council Member Norland, to approve actual and necessary expenses for the following school and conference:**

1. Donation Management, Camp Ripley, August 16, for Emergency Management Director.

**Vote on the motion: Schindle, Freyberg, Steiner, Norland and Dehen, aye; no nays. Motion carried.**

**Minnesota State High School Girls' Fastpitch Softball Tournament**

Interim Administrator Fischer gave a reminder of the Minnesota State High School Girls' Fastpitch Softball Tournament to be held at Caswell Park on Thursday and Friday, June 7-8 with the banquet held Wednesday evening, June 6.

**City Engineer**

Engineer Malm reported the Highway 14 detour will begin after the July 4<sup>th</sup> holiday. He also reported the 14/41 Project is on schedule.

**Report from Council Members****Council Member Norland**

Council Member Norland presented a draft Model Statement of Values created by the League of Minnesota Cities Ethics Advisory Panel. She reported the Mayor and she have had discussions over the past several months about ethics and she has reviewed several different versions of an ethics code. Attorney Kennedy stated that part 2.C. in the Model Statement of Values is the same as the oath taken by Council Members when they are sworn in. Discussion was held regarding whether this would be a policy or a pledge and how it would be enforced. Council Member Freyberg stated that he couldn't

sign the Model Statement of Values as written. Attorney Kennedy has started reviewing what other cities have adopted and will continue his investigation and report back to the Council. **Mayor Dehen moved, seconded by Council Member Steiner, to add the Model Statement of Values to a future Council Workshop. Vote on the motion: Schindle, Freyberg, Steiner, Norland and Dehen, aye; no nays. Motion carried.**

### **Report from the Mayor**

#### **Update of Intergovernmental Meeting of May 22, 2012**

Mayor Dehen gave an update of the Intergovernmental Committee meeting held May 22, 2012. He reported Red, White and Boom – July 4<sup>th</sup> fireworks will be held at Riverfront Park with access to viewing from Veterans Memorial Bridge. North Mankato Fun Days will be held July 5-8, Blues on Belgrade will be held on July 21 and Ribfest will be held in Mankato August 2-5 at Riverfront Park.

The Mayor reviewed an outline of shared services that were discussed including Mutual Aid Agreements for the ladder trucks available to North Mankato, vehicle extraction, confined space resource and hazardous materials response and Mobile Air Supply. Future collaboration include fire prevention education, exploration of fire suppression and water delivery to annexed areas, possible public safety/fire regional training and sharing of vehicles. The Mayor reported the two Cities are continuing to look at ways to work together.

Other business discussed was the completion of Veterans' Memorial Park scheduled for June 30<sup>th</sup> with an anticipated public opening ceremony being held on July 4<sup>th</sup> at 2:30, efforts to coordinate a GPS complementary map system for the trails to be available to the public by July 4<sup>th</sup> and the Beyond the Yellow Ribbon program which is a military family outreach program.

#### **Model Air Show**

Mayor Dehen reported the Model Air Show will be held on Friday, June 8, 2012 at Forsberg Field with the Blue Angels appearing from 8:30 a.m. to 9:30 a.m. They will fly the Blue Angels radio control planes and give out autographs. Other Model Air Show events will continue throughout the day at Forsberg Field.

#### **Citizen Involvement for Expanded Personnel Committee**

Mayor Dehen reported he has received approximately 12 applications from residents interested in serving on the Expanded Personnel Committee. Any residents interested in serving should send him their resume by June 15, 2012.

#### **“Coffee with the Council”**

The Mayor reported the June “Coffee with the Council” will be held at Mankato Brewery, 1119 Center Street, on Saturday, June 16, 2012 from 12 noon to 1 p.m. A tour of the brewery will be conducted immediately following “Coffee with the Council.”

#### **Open the Meeting to the Public for the Second Time**

##### **Phil Henry, 1300 Noretta Drive**

Phil Henry, 1300 Noretta Drive, appeared before the Council stating the evergreens recently planted on LorRay Drive look nice. He asked a question regarding the claim for VEBA. Finance Director Thorne reported that VEBA is in conjunction with the employees' health insurance. In response to his question about the project at the Dollar Store, Interim Mayor Dehen reported the developer is completing another project and will soon be starting on the 422 Belgrade Avenue Project with the apartments scheduled to be completed by September 2012.

**Bills and Appropriations**

Council Member Freyberg asked about the \$1,000 claim for Camelot Park and the claim for Albrecht's Lawn Service. Interim Administrator Fischer reported a program is in place where the City will purchase dilapidated mobile homes for \$1,000 and demolish them. The claim for Albrecht's Lawn Service is for mowing of private properties and this money is recouped by assessing the property owners. Council Member Steiner moved, seconded by Council Member Norland, to approve all bills and appropriations in the amounts of \$20,397.96 and \$880,171.31. Vote on the motion: Schindle, Freyberg, Steiner, Norland and Dehen, aye; no nays. Motion carried.

There being no further business, the meeting was adjourned at 7:45 p.m.

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Mayor

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City Clerk





6/13/12

Lynette,

A "huge" thank you to you and your staff —  
for making the 2012 softball banquet a  
memorable tournament experience —

Our success is due to people like you  
who go the extra mile to cover every detail  
and treat each team like "Royalty."

Your helpful team attitude deserves  
our thanks and gratitude —

See you next year,

Lisa Lussner



Dear Mayor Dehen,  
Thank you for your support of the recent  
Bike and Walk Week. North Mankato  
is a good biking and walking community,  
with the potential to be great.

Lee Ganske, on behalf of  
the Greater Mankato Bike  
and Walk Advocates

# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 7A	Department: City Planner	Council Meeting Date: 06/18/2012																																																					
<b>TITLE OF ISSUE: Vacation of Street Right-of-Way (Adjacent to LorRay Drive)</b>																																																							
<p><b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> In April of 2012, Growth Holdings applied for a variance at 1710 Commerce Drive (former Budget Mart) to reduce side yard setbacks to accommodate parking in conjunction with the renovation and expansion of the building. To create additional parking opportunities, the City offered to vacate a portion of the LorRay Drive right-of-way. The Council set the public hearing at their May 21 meeting. As part of the right-of-way vacation process, it is necessary for the City to contact all utility companies to see if any underground utilities are located in the area. As there are above and below ground utilities in this area, Growth Holdings will be responsible for any relocations. Should the right-of-way vacation occur, the City would deed the property to Growth Holdings and they would be required to replat the vacated area with their property.</p> <p style="text-align: right; font-style: italic; font-size: small;">If additional space is required, attach a separate sheet</p>																																																							
<b>REQUESTED COUNCIL ACTION: Adopt resolution</b>																																																							
<p><b>For Clerk's Use:</b></p> <p>Motion By: _____</p> <p>Second By: _____</p> <p>Vote Record:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">Aye</td> <td style="width: 10%; text-align: center;">Nay</td> <td></td> </tr> <tr> <td>_____</td> <td></td> <td></td> <td>Freyberg</td> </tr> <tr> <td>_____</td> <td></td> <td></td> <td>Steiner</td> </tr> <tr> <td>_____</td> <td></td> <td></td> <td>Norland</td> </tr> <tr> <td>_____</td> <td></td> <td></td> <td>Schindle</td> </tr> <tr> <td>_____</td> <td></td> <td></td> <td>Dehen</td> </tr> </table>		Aye	Nay		_____			Freyberg	_____			Steiner	_____			Norland	_____			Schindle	_____			Dehen	<p style="text-align: center;"><b>SUPPORTING DOCUMENTS ATTACHED</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Resolution</td> <td style="width: 20%;">Ordinance</td> <td style="width: 20%;">Contract</td> <td style="width: 20%;">Minutes</td> <td style="width: 20%;">Map</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td colspan="2">Other (specify) _____</td> <td colspan="3">Notice of Hearing, Petition for Vacation</td> </tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> </table>	Resolution	Ordinance	Contract	Minutes	Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other (specify) _____		Notice of Hearing, Petition for Vacation			_____					_____					_____				
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## **NOTICE OF HEARING ON STREET RIGHT-OF-WAY VACATION ADJACENT TO LORRAY DRIVE**

NOTICE IS HEREBY GIVEN that the City Council of the City of North Mankato, Minnesota, will hold a public hearing on Monday, June 18, 2012, commencing at 7:00 p.m. in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue, to consider the vacation of the following described street right-of-way adjacent to LorRay Drive:

All that part of the Northwest Quarter of the Northeast Quarter, Section 11, Township 108 North, Range 27 West, City of North Mankato, Nicollet County, Minnesota, described as follows:

Beginning at the northeast corner of Tract A, Registered Land Survey No. 25, according to the recorded plat thereof; thence South 29 degrees 00 minutes 20 seconds East (assumed bearing) on the east line of said Tract A, 284.18 feet; thence North 00 degrees 33 minutes 46 seconds West, 70.34 feet; thence North 29 degrees 00 minutes 20 seconds West, 194.98 feet; thence North 79 degrees 46 minutes 14 seconds West, 43.25 feet to the point of beginning.

Contains 8,026 square feet of land.

Dated this 4<sup>th</sup> day of June, 2012.

Nancy Gehrke, CMC  
City Clerk  
City of North Mankato, Minnesota



June 4, 2012  
NOTICE OF HEARING ON  
STREET RIGHT-OF-WAY  
VACATION ADJACENT TO  
LORRAY DRIVE

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All that part of the Northwest Quarter of the Northeast Quarter, Section 11, Township 108 North, Range 27 West, City of North Mankato, Nicollet County, Minnesota, described as follows: Beginning at the northeast corner of Tract A, Registered Land Survey No. 25, according to the recorded plat thereof; thence South 29 degrees 00 minutes 20 seconds East (assumed bearing) on the east line of said Tract A, 284.18 feet; thence North 00 degrees 33 minutes 46 seconds West, 70.34 feet; thence North 29 degrees 00 minutes 20 seconds West, 194.98 feet; thence North 79 degrees 46 minutes 14 seconds West, 43.25 feet to the point of

beginning.  
Contains 8,026 square feet of land.  
Dated this 4th day of June, 2012.  
Nancy Gehrke, CMC  
City Clerk  
City of North Mankato, Minnesota

# AFFIDAVIT OF PUBLICATION

## State of Minnesota, ss. County of Blue Earth

James P. Santori, being duly sworn, on oath says that he is the publisher or authorized agent and employee of the publisher of the newspaper known as *The Free Press and The Land*, and has full knowledge of the facts which are stated below:

(A) The newspaper has complied with all of the requirements constituting qualification as a legal newspaper, as provided by Minnesota Statute 331.02, 331.06, and other applicable laws, as amended.

(B) The printed \_\_\_\_\_ Notice \_\_\_\_\_

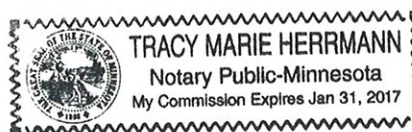
which is attached was cut from the columns of said newspaper, and was printed and published once each week, for 1 successive weeks; it was first published on Monday, the 4 day of June, 20 12, and was thereafter printed and published on every Monday to and including Monday, the 4 day of June, 20 12; and printed below is a copy of the lower case alphabet from A to Z, both inclusive, which is hereby acknowledged as being the size and kind of type used in the composition and publication of the notice:

abcdefghijklmnopqrstuvwxyz

By: James P. Santori  
Publisher

Subscribed and sworn to before me on this 4 day of June, 20 12.

Tracy Marie Herrmann  
Notary Public



RESOLUTION NO.

RESOLUTION VACATING STREET RIGHT-OF-WAY  
ADJACENT TO LOR RAY DRIVE

WHEREAS, a petition has been submitted, executed by 100 percent of the property owners, requesting vacation of the street right-of-way described as follows:

All that part of the Northwest Quarter of the Northeast Quarter, Section 11, Township 108 North, Range 27 West, City of North Mankato, Nicollet County, Minnesota, described as follows:

Beginning at the northeast corner of Tract A, Registered Land Survey No. 25, according to the recorded plat thereof; thence South 29 degrees 00 minutes 20 seconds East (assumed bearing) on the east line of said Tract A, 284.18 feet; thence North 00 degrees 33 minutes 46 seconds West, 70.34 feet; thence North 29 degrees 00 minutes 20 seconds West, 194.98 feet; thence North 79 degrees 46 minutes 14 seconds West, 43.25 feet to the point of beginning.

Contains 8,026 square feet of land.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH MANKATO, MINNESOTA, as follows:

1. Such street right-of-way is vacated.
2. The City Clerk shall prepare a notice of completion of these proceedings pursuant to statute and shall present the same to the County Auditor and County Recorder.

Adopted by the City Council this 18<sup>th</sup> day of June 2012.

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Mayor

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City Clerk

## PETITION FOR VACATION

The undersigned property owner hereby petitions the City Council of the City of North Mankato, Minnesota, to vacate the following described street right-of-way:

All that part of the Northwest Quarter of the Northeast Quarter, Section 11, Township 108 North, Range 27 West, City of North Mankato, Nicollet County, Minnesota, described as follows:

Beginning at the northeast corner of Tract A, Registered Land Survey No. 25, according to the recorded plat thereof; thence South 29 degrees 00 minutes 20 seconds East (assumed bearing) on the east line of said Tract A, 284.18 feet; thence North 00 degrees 33 minutes 46 seconds West, 70.34 feet; thence North 29 degrees 00 minutes 20 seconds West, 194.98 feet; thence North 79 degrees 46 minutes 14 seconds West, 43.25 feet to the point of beginning.

Contains 8,026 square feet of land.

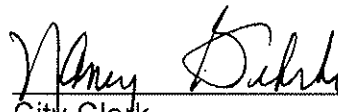
Dated this 15<sup>th</sup> day of May, 2012.

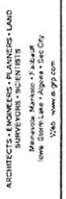
  
Witness

  
City of North Mankato

Received by City Clerk:

May 16, 2012  
Date

  
City Clerk



I HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA

DANIEL L. STUBBER

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MIN	NORTH MANKATO	MIN
	Revising Schedule	

[illegible]

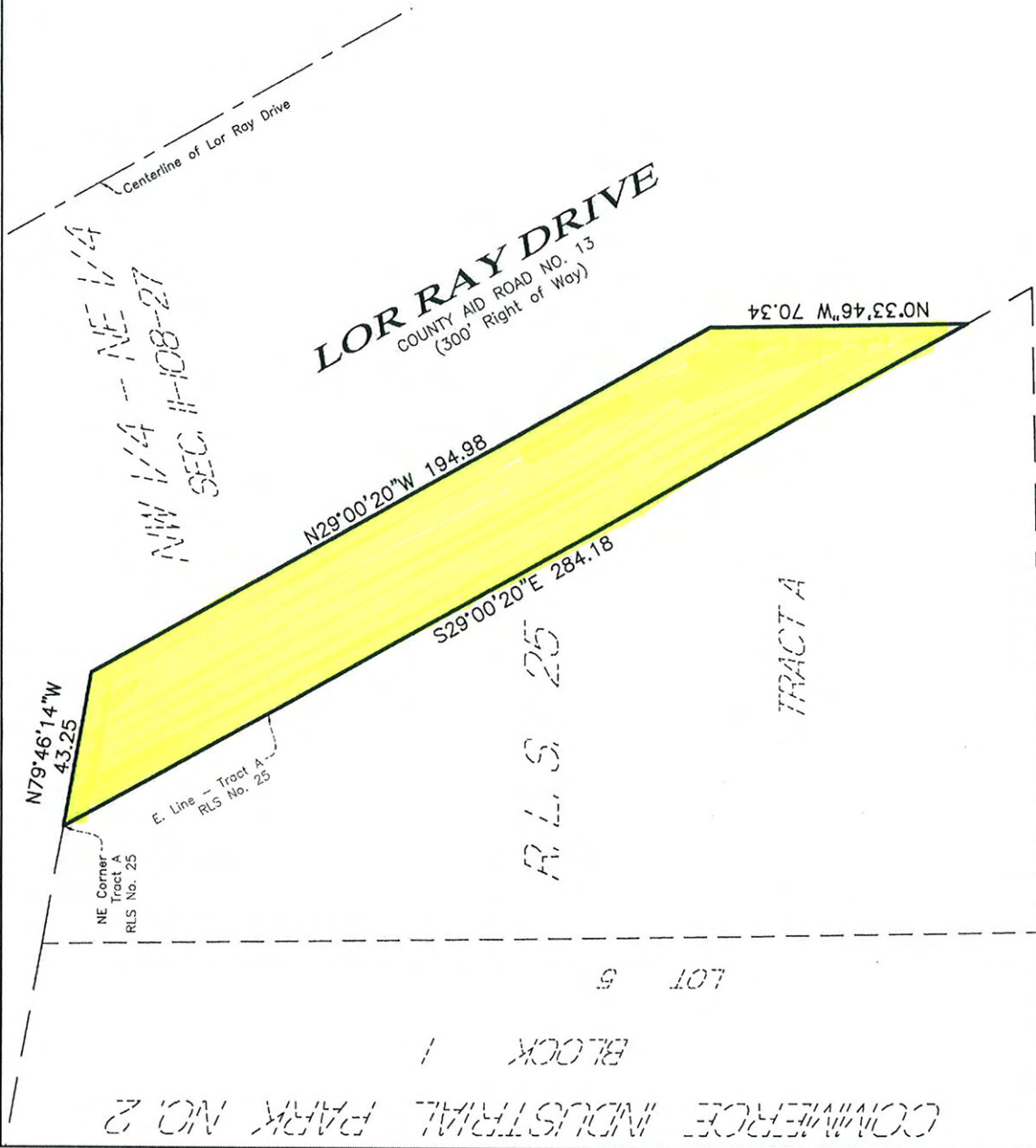
1 OF 1

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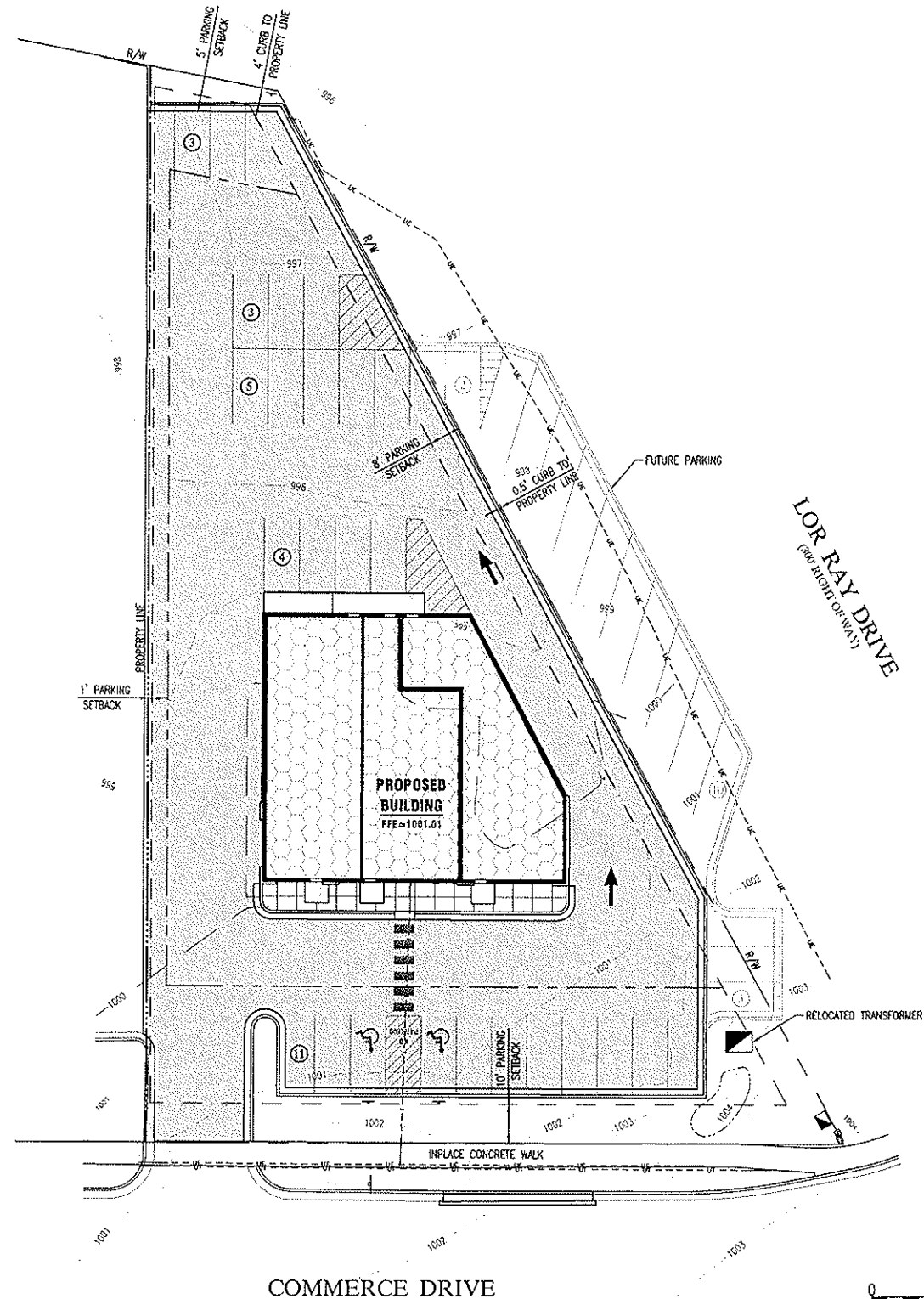
0 30  
Scale: In Feet

Orientation of this bearing system is based upon Registered Land Survey No. 25.

## Site 8,026 sq. ft.







## PROPOSED SITE PLAN



ARCHITECTS • ENGINEERS • PLANNERS  
LAND SURVEYORS • SCIENTISTS

Minnesota: Mankato • Faribault  
Iowa: Storm Lake • Algona • Saco City  
Web: [www.is-grp.com](http://www.is-grp.com)

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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.

DATE: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

PROJECT

**BUDGET MART  
RENOVATION AND  
ADDITION**

SHEET

**2 of 2**

# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 8A	Department: Admin.	Council Meeting Date: 06/18/2012
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<b>TITLE OF ISSUE: J.D. Burton, Coalition of Great Minnesota Cities - Legislative Session and Highway 14 Partnership Update</b>
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<b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> J.D. Burton will be bringing a packet of information for distribution at the Council Meeting.
<i>If additional space is required, attach a separate sheet</i>

<b>REQUESTED COUNCIL ACTION: Information only</b>

<b>For Clerk's Use:</b>		
Motion By: _____		
Second By: _____		
Vote Record:	Aye      Nay	_____ Freyberg _____ Steiner _____ Norland _____ Schindle _____ Dehen

SUPPORTING DOCUMENTS ATTACHED				
Resolution	Ordinance	Contract	Minutes	Map
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify) _____				
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<input type="checkbox"/> Workshop  <input checked="" type="checkbox"/> Regular Meeting  <input type="checkbox"/> Special Meeting
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<input type="checkbox"/> Refer to: _____  <input type="checkbox"/> Table until: _____  <input type="checkbox"/> Other: _____
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# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 8B	Department: Finance	Council Meeting Date: 06/18/2012																											
<b>TITLE OF ISSUE: Property and Casualty Insurance Renewal and Workers' Compensation Renewal</b>																													
<b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> Attached is property/casualty and workers' compensation insurance premium historical and current data.																													
<i>If additional space is required, attach a separate sheet</i>																													
<b>REQUESTED COUNCIL ACTION: Approve renewal of policies.</b>																													
<b>For Clerk's Use:</b>  Motion By: _____ Second By: _____  Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Schindle</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Freyberg	_____	_____	Steiner	_____	_____	Norland	_____	_____	Schindle	_____	_____	Dehen	<b>SUPPORTING DOCUMENTS ATTACHED</b>  <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) _____ Memorandum, historical and current renewal of insurance premium data. _____ _____ _____	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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CITY OF NORTH MANKATO

## Memorandum

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To: Honorable Mayor and City Council  
From: Clara Thorne, Finance Director  
Subject: Property/Casualty and Workers' Compensation Insurance Renewal  
Date: June 11, 2012  
Cc:

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Jay Weir from the Weir Agency will be at the June 18, 2012 Council meeting to present the City's property/casualty and workers' compensation renewals.

Property/casualty and workers' compensation insurance premiums for 2012/2013 total \$250,659 compared to the prior period's \$243,302. This represents an increase in premium of \$7,357 from the prior year. The total budget for property/casualty and workers' compensation insurance for 2011/2012 is \$265,523 resulting in a favorable variance of \$14,864.

The workers' compensation premium increased \$11,029. The major factor contributing to this increase is an increase in the City's experience modification from 0.86 to 0.91.

Attached are schedules showing our premium history for workers' compensation and property/casualty insurance and a packet for the 2012/2013 property-casualty and workers compensation insurance renewal.

We recommend approval of the renewal of the property/casualty and workers' compensation insurance with the League of Minnesota Cities Insurance Trust.



CITY OF NORTH MANKATO  
WORKERS' COMPENSATION INSURANCE COMPARISONS

	2007-2008 7-1-07 to 7-1-2008	2008-2009 7-1-08 to 7-1-2009	2009-2010 7-1-09 to 7-1-2010	2010-2011 7-1-10 to 7-1-2011	2011-2012 7-1-11 to 7-1-2012	2012-2013 7-1-12 to 7-1-2013
<b>Workers' Comp Premium Range</b>						
Minimum						
Maximum						
Deposit Premium (Net)	\$81,577	\$98,071	\$109,964	\$112,601	\$99,691	\$110,720
Retro Adjustments						
Dividend						
Final Adjusted Premium	\$81,577	\$98,071	\$109,964	\$112,601	\$99,691	\$110,720
Experience Modification	0.77	0.82	0.87	0.94	0.86	0.91

	2001-2002 7-1-01 to 7-1-2002	2002-2003 7-1-02 to 7-1-2003	2003-2004 7-1-03 to 7-1-2004	2004-2005 7-1-04 to 7-1-2005	2005-2006 7-1-05 to 7-1-2006	2006-2007 7-1-06 to 7-1-2007
<b>Workers' Comp Premium Range</b>						
Minimum						
Maximum						
Deposit Premium (Net)	\$63,905	\$81,000	\$81,602	\$77,896	\$75,559	\$79,878
Retro Adjustments						
Dividend						
Final Adjusted Premium	\$63,905	\$81,000	\$81,602	\$77,896	\$75,559	\$79,878
Experience Modification	1.13	1.28	1.30	1.07	0.88	0.83

	1995-1996 7-1-95 to 7-1-96	1996-1997 7-1-96 to 7-1-97	1997-1998 7-1-97 to 7-1-98	1998-1999 7-1-98 to 7-1-99	1999-2000 7-1-99 to 7-1-2000	2000-2001 7-1-00 to 7-1-2001
<b>Workers' Comp Premium Range</b>						
Minimum	\$29,992	\$24,828	\$32,727	\$32,721		
Maximum	\$95,111	\$78,737	\$85,674	\$59,449		
Deposit Premium (Net)	\$58,963	\$51,807	\$55,050	\$48,304	\$47,194	\$51,592
Retro Adjustments	(\$10,814)	(\$24,146)	\$31,584	\$4,831		
Dividend		(\$12,356)	(\$13,031)	(\$14,751)	(\$12,623)	(\$1,875)
Final Adjusted Premium	\$48,149	\$15,305	\$73,603	\$38,384	\$34,571	\$49,717
Experience Modification	0.80	0.88	0.97	0.97	0.96	0.91

CITY OF NORTH MANKATO  
PROPERTY/CASUALTY INSURANCE COMPARISONS  
2008 - 2012

	<u>2007/2008</u>	<u>2008/2009</u>	<u>2009/2010</u>	<u>2010/2011</u>	<u>2011/2012</u>	<u>2012/2013</u>
Premium	\$129,330	\$133,484	\$135,209	\$141,175	\$143,611	\$139,939
Dividend	<u>\$25,909</u>	<u>\$14,681</u>	<u>\$31,380</u>	<u>\$33,937</u>	<u>\$40,053</u>	
Net Premium	<u>\$103,421</u>	<u>\$118,803</u>	<u>\$103,829</u>	<u>\$107,238</u>	<u>\$103,558</u>	<u>\$139,939</u>

# *James R. Weir*

Insurance Agency, Inc.

## INSURANCE COVERAGES FOR:

**City of North Mankato  
1001 Belgrade Avenue  
North Mankato, MN 56003**

## POLICY TERM:

**May 1, 2012 to May 1, 2013 Property-Casualty  
July 1, 2012 to July 1, 2013 Workers Comp.**

## PRESENTED BY:

**Jay P. Weir  
James R. Weir Insurance Agency, Inc.  
208 North Broad Street  
Mankato, MN 56001**



208 North Broad Street • P.O. Box 1146 • Mankato, MN 56002  
507-387-3433 • Fax 507-387-7052  
[www.weirinsurance.com](http://www.weirinsurance.com)



## **VALUATION**

The establishment of adequate amounts of insurance is the responsibility of the insured. However, we are available to suggest methods to help you in determining insurance values. Upon acceptance of this proposal, the insurance amounts represent values selected by you. These values usually change over time. Please review them carefully. There could be a claim settlement deficiency, even in the case of a small loss, if insurance values are not adequate.

## **WHO IS AN INSURED**

The full “Named Insured” on your policies will read:

City of North Mankato & Port Authority

Additional Interests insured are:

Housing and Development Authority



## PROPERTY

### **Municipal Building – 1001 Belgrade Avenue**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,865,178	\$5,000
Contents	\$ 798,642	\$5,000
Extra Expense	Actual	

### **Street Department – Sherman & Webster**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Property In Open	\$ 113,287	\$5,000

### **Street Department – Sherman & Webster**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,037,624	\$5,000
Contents	\$ 175,376	\$5,000

### **Cold Storage Shed – Sherman & Webster**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 199,885	\$5,000
Contents	\$ 185,286	\$5,000

### **Salt Storage Shed – Sherman & Webster**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 36,923	\$5,000

### **Steel Storage Building – 1139 Center Street**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 50,289	\$5,000

### **Comfort Station – Bluff Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 57,292	\$5,000

### **Gazebo – Bluff Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 13,369	\$5,000

### **Gazebo – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 13,369	\$5,000

**Press Box – Caswell Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 40,741	\$5,000

**2 Gazebos – Caswell Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 33,101	\$5,000

**Comfort Station – Riverview Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 101,216	\$5,000

**Bath House & Swimming Facility – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 859,381	\$5,000
Contents	\$ 33,223	\$5,000

**Hockey Building – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 43,287	\$5,000
Contents	\$ 3,451	\$5,000

**Pump House – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 3,820	\$5,000
Contents	\$ 35,984	\$5,000

**Park Shelter – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 35,649	\$5,000

**Park Shelter – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 17,823	\$5,000

**Park Shelter – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 19,097	\$5,000

**Park Shelter – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 17,823	\$5,000

**Park Shelter – Spring Lake Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 17,823	\$5,000

**Park Shelter – Wheeler Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 123,495	\$5,000

**Park Shelter – Wheeler Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 14,004	\$5,000

**Band Shell – Wheeler Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 31,434	\$5,000

**Water Plant #1 – 903 Belgrade Avenue**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 776,626	\$5,000
Contents	\$ 338,623	\$5,000

**Water Tower – Tower Boulevard**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 318,291	\$5,000

**Water Tower – Carlson Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 954,869	\$5,000

**Pumphouse – 935 South Avenue**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 9,548	\$5,000
Contents	\$ 8,306	\$5,000

**Water Plant #2 – 1885 Howard Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$3,704,890	\$5,000
Contents	\$ 504,740	\$5,000

**850 KVV Generator – 1885 Howard Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 171,876	\$5,000

**Storage Tank – 1885 Howard Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,133,111	\$5,000

**Storage Tank – 903 Belgrade Ave.**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 840,284	\$5,000

**Water Reservoir – Bellview Heights**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 286,461	\$5,000

**Water Reservoir – Bellview Heights**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 133,682	\$5,000

**Well House/Equipment Building – Caswell Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 337,387	\$5,000
Contents	\$ 70,280	\$5,000

**Lift Station #1 – River Crossing**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,254,061	\$5,000
Contents	\$ 57,503	\$5,000

**Lift Station #3 – Langness Heights**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 38,195	\$5,000

**Lift Station #4 – Oak Forest**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 38,195	\$5,000

**Lift Station #6 – North Ridge**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 76,390	\$5,000

**Lift Station #7 – Howard Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 76,390	\$5,000

**Lift Station #8 – Forest Heights Park & Edgewood Addn.**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 95,487	\$5,000

**Maintenance Facility – 1139 Center Street**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 612,389	\$5,000
Contents	\$ 245,982	\$5,000

**Office – 2070 Howard Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$2,043,418	\$5,000

**Police Annex – 1001 Belgrade Avenue**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,636,008	\$5,000
Contents	\$ 798,642	\$5,000

**Fire Department – 1825 Howard Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,893,186	\$5,000
Contents	\$ 734,750	\$5,000

**Park Restroom – 701 Webster Avenue**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 108,219	\$5,000

**Public Library – 1001 Belgrade Avenue**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,600,000	\$5,000
Contents	\$ 785,864	\$5,000

**Restroom, Press Box, and Concession Stand – Caswell Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 188,255	\$5,000

**Recycling Center – 600 Webster**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$1,715,187	\$5,000
Contents	\$ 245,925	\$5,000

**Public Works – 2005 Carlson Drive**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 796,338	\$5,000
Contents	\$ 122,962	\$5,000

**Sewer Lift Station – Aspen Lane**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 219,240	\$5,000

**Lift Station – Reserve Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 292,320	\$5,000

**Shelter – Reserve Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 60,900	\$5,000

**Storage Shed – Caswell Park**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 100,000	\$5,000

**Sanitary Lift Station - Parks Edge Subdivision**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Building	\$ 125,000	\$5,000

**Citywide**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Property In Open	\$ 250,000	\$5,000

**Citywide**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Property In Open	\$ 44,485	\$5,000

**COVERAGE:**

Protection for loss from direct physical damage to the described property by causes of loss insured, subject to policy terms.

**KEY CONDITIONS:**

Causes of Loss Insured:	Special
Valuation:	100% Coinsurance

### PROPERTY EXTENSIONS:

Terrorist Activity – Annual Aggregate Limit	\$5,000,000 annual aggregate
Asbestos, Clean up, Abatement and Removal	\$250,000 per location
Loss of Revenue, Extra Expense, and Expediting Expense	\$5,000,000 per location
Debris Removal	
(Direct Physical Damage to Covered Property)	25% of the estimated replacement Cost of the Covered Property
(No Direct Physical Damage to Covered Property)	\$50,000 per occurrence
Leasehold Interest	\$500,000 per location
Pollutant Cleanup and Removal	\$250,000 per location
Errors	\$500,000 per occurrence
Rental Reimbursement	\$25,000 annual aggregate
Arson Reward	\$5,000 per fire loss
Accounts Receivable	\$500,000 per location
Valuable Paper & Records	\$500,000 per location
Extraordinary Expense	\$250,000 annual aggregate
Utility Services	\$100,000 per occurrence
Water and Supplemental Flood Coverage	\$500,000 per occurrence \$500,000 annual aggregate

### **BOND**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Faithful Performance Coverage	\$200,000	\$5,000

### **CRIME**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	<u>DEDUCTIBLE</u>
Theft, Disappearance and Destruction		
Sec. 1 - Inside the Premises	\$250,000	\$5,000
Sec. 2 - Outside the Premises	\$250,000	\$5,000

### **INLAND MARINE**

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>
Scheduled Equipment over \$25,000	\$2,137,837
Unscheduled Equipment - \$25,000 and less	\$ 581,399
Deductible	\$ 5,000

## **BOILER/EQUIPMENT BREAKDOWN COVERAGE**

<b>DESCRIPTION</b>	<b>LIMIT OF INSURANCE</b>
Total	\$31,828,387
Per Any 'One Accident'	\$ 5,000,000
Combined Property Damage, Loss of Income, Extra Expense, and Newly Acquired Locations	
Service Interruption	\$ 100,000
Perishable Goods	\$ 100,000
Data Restoration	\$ 100,000
Demolition and Increase Cost of Construction	\$ 100,000
Pollutants	\$ 100,000
Expediting Expenses	\$ 100,000
CFC Refrigerants	\$ 100,000
Ice Rink Buried Piping	\$ 50,000
Deductible	\$ 5,000

## **OPEN MEETING LAW DEFENSE COST COVERAGE**

<b>DESCRIPTION</b>	<b>LIMIT OF INSURANCE</b>
Defense Costs Per Lawsuit Per Official	\$50,000
Agreement Term Aggregate Per Official	\$50,000
Deductible	\$ 5,000
*Claims-Made Policy	



## COMMERCIAL GENERAL LIABILITY

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>
Each Occurrence	\$1,500,000
Products and Completed Operations Annual Aggregate	\$2,000,000
Failure to Supply Annual Aggregate	\$2,000,000
EMF Annual Aggregate	\$2,000,000
Mold Claim Limit	\$2,000,000
Fire Damage Limit	\$ 50,000
Medical Expense Occurrence	\$ 1,000
Medical Expense Aggregate	\$ 10,000
Limited Pollution Liability Occurrence	\$1,500,000
Limited Pollution Liability Aggregate	\$2,000,000
Outside Organization Claim Limit	\$ 100,000
Land Use, Development or Franchise Litigation	\$1,000,000
Municipal Liability Deductible	\$ 5,000

The City of North Mankato does not waive the statutory tort limits.

Claims-Made Coverage

Retroactive Dates:

Municipal Liability                      July 1, 1987

Limited Pollution Liability Claim      May 1, 1989

### COVERAGE:

The insurance company agrees to pay on the behalf of the Insured all sums which the Insured shall become legally obligated to pay as damages, including the cost of defense, because of bodily injury, personal injury, or damage to property of others caused by an occurrence covered under the policy.

### PREMIUM BASIS:

<u>DESCRIPTION</u>	<u>BASIS</u>
Operating Expenditures	\$ 8,126,904
Waterworks – Payroll	\$ 373,550
Waterworks – per 1 million gallons	468
Miles – Streets – per mile	75
Boats – Less than 25 HP	2
Independent Contractors – per \$100	\$ 5,787,715
Special Events	10,500
E&O other 5 year prior acts over 12,000m	\$20,908,672
Swimming Pools-Seasonal-Board<4 ft	1

## COMMERCIAL AUTO

<i>COVERAGE</i>	<i>LIMIT</i>	<i>PER</i>
Liability	\$ 1,500,000	Each Accident
Personal Injury Protection	Statutory	
Uninsured Motorist	\$ 200,000	Each Accident
Underinsured Motorist	\$ 200,000	Each Accident
Physical Damage	Actual Cash Value	
Hired and Non-Owned Auto	Included	
Deductible	\$ 5,000	Each Accident

**VEHICLE SCHEDULE:**

<i>YEAR</i>	<i>MAKE</i>	<i>MODEL</i>	<i>VEHICLE I.D.</i>
1993	Ford	LT9000	0679 UNIT #906 SEWER JETTER
1978	Ford	Oil Distr	9144 UNIT #130
1993	Ford	1/2 Ton	4673 UNIT #201
1985	Ford	F-800	6530 UNIT #226
1990	Chevy	Crew Cab	1180 UNIT #124
1972	Ford	C750	6342 UNIT #129
1993	Ford	1/2 Ton	4672 UNIT #107
1987	GMC	H2O Flush	2242 UNIT #907
1984	GMC	Tandem	5137 UNIT #190
1987	Chevy	1/2 T	8207 UNIT #4
1988	Ford	1 T	5453 UNIT # 126
1993	GMC	1 T	1024 UNIT #223
1989	GMC	Sierra	0307 UNIT #218
1986	Chevy	1-ton	5627 UNIT #128
1982	Hendricksn	Fire	5895 UNIT #463
1978	Chevy	Rescue &	2503 UNIT #719
1991	Chevy	Equipment	4900 UNIT #484
1925	REO	Fire Truck	406 UNIT #441
1982	FWD	Snowplow	1230 UNIT #117
1976	Wenger	Bandshell	0340 UNIT #240
1996	Chevy	Pickup	5440 UNIT #214
1996	GMC	Jimmy	6674 UNIT #8
1996	Chevy	Pickup	4495 UNIT #306
1997	Ford	Tandem	7566 UNIT #191
1984	FWD	RO44	1161 UNIT #158
1984	FWD	RO44	1165 UNIT #156
1997	Dodge	Intrepid	6539 UNIT #3
1997	Pierce	Fire Truck	0291 UNIT #445
1997	Dodge	Intrepid	6540 UNIT #600
1997	Ford	F-150	7606 UNIT #203
1997	Ford	F250	9623 UNIT #104
1998	Chev.	3/4-ton	6925 UNIT #601
1998	Ford	LT8511	0933 UNIT #196
1998	Ford	L8511	0229 UNIT #150
1998	Ford	LT8511	0650 UNIT #195
1997	DODGE	Ram 1/2Ton	6308 UNIT #308
1998	GMC	Sierra	7454 UNIT #204
1998	Chev.	Truck	9096 UNIT#121
1998	Chev.	Truck	0538 UNIT #125
1999	Sterling	L8511	8649 UNIT #119
1999	Sterling	LT8511	8650 UNIT #198
1999	Ford	Explorer	5798 UNIT #718

1999	GMC	Truck	7777 UNIT #127
1999	Haulmark	Cargo	4682 UNIT #908
1993	Intern'l	IC105	3600 UNIT #1
1999	Maurer	Utility	2776 UNIT #362
1997	Gulfstream	Emerg-FEMA	3662 - UNIT #280
2001	Ford	Taurus SE	4376 UNIT#702
2001	Ford	F-250	0359 UNIT #301
1979	Generator	Trlr	1101 UNIT #909
1982	Homemade	Trlr	3455 UNIT #486
2002	Ford	F350	3353 UNIT #304
2002	Towmaster	T-40 Tlr	3094 UNIT #24
2003	Ford	F250	2794 UNIT #303
1992	TSI - Job	Trailer	8617 UNIT #510
2003	Work Horse	WP31852	1009 UNIT #485
2004	Chevy	1/2 Ton	7080 UNIT #500
1983	Barricade	Trailer	836Z UNIT #278
1989	Felling	Trailer	2256 UNIT #20
1994	Felling	Trailer	2742 UNIT #26
2004	Chevy	1/2 Ton	7108 UNIT #100
1976	Balko	Trailer	1154 UNIT #260
2000	Morbark	Chipper	3035 UNIT #271
2001	Aluma	Trailer	3495 UNIT #273
2001	Aluma	Trailer	2871 UNIT #274
2004	Chevy	Silverado	1GCHK29U74E3855998 UNIT #307
2004	Decontamin	Trailer	7577 UNIT #487
2004	Int'l	Dump Truck	2299 UNIT#192
2006	Int'l	Truck	8608 UNIT#120
2006	Ford	Explorer	4712 UNIT #701
2007	Ford	500	8382 UNIT#5
2007	Int'l	Dump Truck	1900 UNIT #193
1998	Chevy	Bucket Tru	7222 UNIT #228
2006	Ford	F150	1FTRX14W36FB46759 UNIT #200
2006	Int'l	Fire Truck	7498 UNIT #446
2006	Chevy	GrassTruck	1509 UNIT#482
2007	Dodge	Dakota	2015 UNIT#504
2006	Dodge	Dakota	9965 UNIT #202
2006	Dodge	Dakota	9966 UNIT #305
2007	Ford	500	3500 UNIT#703
2007	Dodge	2500 Quad	7491 UNIT #502
2007	GMC	Truck	6457 UNIT #483
2007	Dodge	BR3500	3752 UNIT #224
2008	Ford	Crown Vict	3227 UNIT #715
2008	Ford	Crown	6111 UNIT #714
2008	Ford	Expedition	4995 UNIT#717
1979	Kaly	Trailer	8210 UNIT#277
1978	Kaly	Trailer	9310 UNIT#276

2007	Trailer	Refurbishe	0252 UNIT #25
2010	Ford	Crown	2FABP7BV4AX129924 #713
2012	Int'l	7400	1HTWDAAR8CJ460977 #151
2011	Ford	Crown Vic	2FABP7BV7BX148999 #711
2011	Ford	Crown Vic	2FABP7BV8BX149000 #712
2000	Ford	CB DRW	1FDWF37S2YED58356 #123

## WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY

<u>DESCRIPTION</u>	<u>LIMIT OF INSURANCE</u>	
Workers' Compensation	Per State Statute	
Employer's Liability	\$1,500,000	Bodily Injury By Accident-Each Accident
	\$1,500,000	Bodily Injury By Disease-Each Employee

### COVERAGE:

#### **WORKERS' COMPENSATION**

Provides protection for loss caused by a statutory requirement to pay such compensation and other benefits as may be required by the Workers' Compensation and Occupational Disease Laws of a state except those in which private insurers are not permitted to provide the insurance.

#### **EMPLOYER'S LIABILITY**

The insurance company agrees to pay on behalf of the Insured such sums as may be imposed by the courts under common law (as distinguished from Workers' Compensation Statutory Law) because of liability for bodily injury by accident or disease, including resulting death, sustained by any employee arising out of and in the course of employment.

Employment States: Minnesota

Premium Basis:

<u>Classification</u>	<u>Code</u>	<u>Rate</u>	<u>Payroll</u>
Street Construction	5506	7.89	\$535,787
Waterworks	7520	4.03	\$326,934
Radio or Television Broadcasting	7610	.47	\$129,451
Firefighters (Volunteer)	7708	118.39	13,394 (population)
Police	7721	3.45	\$834,260
City Shop & Yard	8227	3.59	\$155,458
Clerical	8810	.80	\$836,124
Building Maintenance	9015	4.60	\$ 52,295
Parks	9102	3.65	\$352,720
Garbage or Refuse Collection	9403	8.23	\$ 52,273
Municipal Employees	9410	.58	\$326,080
Elected Officials	9411	.25	\$ 31,800
<b>Experience Mod</b>	<b>2012 - .91</b>	<b>2011 - .86</b>	

## PREMIUM SUMMARY

<u>COVERAGE</u>	<u>2012-2013</u>	<u>2011-2012</u>
Property	\$ 46,924	\$ 44,785
Commercial General Liability	\$ 54,888	\$ 60,215
Crime	Included	Included
Commercial Auto	\$ 21,299	\$ 22,698
Inland Marine	\$ 11,589	\$ 10,663
Boiler	\$ 4,407	\$ 4,377
Open Meeting Law	Included	Included
Bonds	\$ 832	\$ 873
Workers' Compensation	\$110,720	\$ 99,691
TOTAL	\$250,659	\$243,302

## SERVICING TEAM

The **James R. Weir Insurance Agency, Inc.** recognizes the importance of providing our customers with the highest level of service. Therefore, the following staff is assigned to handle your account:

**Producer**  
**Account Executive**

**Jay P. Weir**  
**Krista L. Petzel, CISR**

**Thank you for the opportunity to provide you with this insurance!**

Our office hours are Monday through Friday, 8 AM to 5 PM.

Phone: (507) 387-3433  
Toll Free: (800) 767-7104  
Fax: (507) 387-7052

Email: [jayw@weirinsurance.com](mailto:jayw@weirinsurance.com)  
[kristap@weirinsurance.com](mailto:kristap@weirinsurance.com)

## COVERAGE DIFFERENCES

<u>Property</u>		<u>2012-2013</u>	<u>2011-2012</u>
		\$31,828,387	\$31,774,889
<u>Mobile Property - Scheduled Property (Over 25,000)</u>		\$ 2,137,837	\$ 2,206,699
<u>Unscheduled Property (25,000 &amp; Less)</u>		\$ 581,399	\$ 564,465
<u>Equipment Breakdown</u>		\$31,828,387	\$31,774,889
<u>Auto</u>		94 vehicles	97 vehicles
<u>Municipal Liability</u>			
Operating Expenditures/Territory 2/Population 0-2500		\$ 8,126,904	\$ 8,130,108
Waterworks – Payroll		\$ 373,550	\$ 392,170
Waterworks – Per Gallon		468,000,000	467,000,000
Miles – Street – Per Mile		75	75
Boats – Less Than 25 H		2	2
Independent Contractors – Per \$100		\$ 5,787,715	\$ 4,515,045
Pools		1	1
Special Events		10,500	10,500
E&O Other 5 year Prior Acts 1000M To 2000M		\$20,908,672	\$19,707,907
<u>2012-2013 Workers Compensation</u>	<u>Code</u>	<u>All Cities Rates</u>	<u>Payroll</u>
City Only Experience Mod - .94			
Street Construction	5506	7.89	\$535,787
Waterworks	7520	4.03	\$326,934
Radio or Television Broadcasting	7610	.47	\$129,451
Firefighters (Volunteer)	7708	118.39	13,394 (population)
Police	7721	3.45	\$834,260
City Shop & Yard	8227	3.59	\$155,458
Clerical	8810	.80	\$836,124
Building Maintenance	9015	4.60	\$ 52,295
Parks	9102	3.65	\$352,720
Garbage or Refuse Collection	9403	8.23	\$ 52,273
Municipal Employees	9410	.58	\$326,080
Elected Officials	9411	.25	\$ 31,800
<u>2011-2012 Workers Compensation</u>	<u>Code</u>	<u>All Cities Rates</u>	<u>Payroll</u>
City Only Experience Mod - .86			
Street Construction	5506	7.74	\$521,060
Waterworks	7520	3.95	\$324,202
Radio or Television Broadcasting	7610	.46	\$157,095
Firefighters (Volunteer)	7718	102.49	13,394 (population)
Police	7721	3.38	\$815,267
City Shop & Yard	8227	3.52	\$152,395
Clerical	8810	.79	\$819,244
Building Maintenance	9015	4.51	\$ 51,265
Parks	9102	3.58	\$299,555
Garbage or Refuse Collection	9403	8.07	\$ 50,996
Municipal Employees	9410	.57	\$310,891
Elected Officials	9411	.24	\$ 31,800
Swimming Pools	9015	4.51	\$ 40,000



RESOLUTION NO.

RESOLUTION APPROVING DONATIONS/CONTRIBUTIONS

WHEREAS, the Minn. Stat. 465.03 and 465.04 allows the governing body of any city, county, school district or town to accept gifts for the benefit of its citizens in accordance with terms prescribed by the donor;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH MANKATO, MINNESOTA, that the following donations/contributions are approved as follows:

Donor of Gift	Restriction on Gift	Amount
Jim and Jeannine Leonhardt	General Fund-Adopt A Family Swim Pass Program	\$72.00
Richard Haman Memorial Fund	General Fund – Police Dept	\$100.00
Mrs. Eugene Buckley	General Fund-Adopt A Family Swim Pass Program	\$36.00

Adopted by the City Council this 18th day of June 2012.

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk

# CITY OF NORTH MANKATO PARK PERMIT

This permit does reserve space in a City Park.

PERMIT #: 75 -2012 SHELTER: SLP #1 FEE: 80.00

TYPE OF EVENT: Company Picnic DATE VALID: 9-22-12 HOURS: 12:00-8:00 pm

ORGANIZATION: Precision Press SIZE: 300

APPLICANT NAME: Beth Kleist

ADDRESS: 2020 Lookout Dr. CITY: NM

ZIP: \_\_\_\_\_ DAYTIME PHONE #: 507-389-4337

TENTS: NO ELECTRICITY: yes ALCOHOL: NO

If keg beer, a \$250 deposit and \$25 fee are required.

AUDIO DEVICES: possibly karaoke  
Amplified music or band requires Council approval

OTHER: \_\_\_\_\_

PERMIT APPROVED: \_\_\_\_\_ DATE: 6-8-12

PERMIT DENIED: \_\_\_\_\_

REFER TO COUNCIL: ✓

Nancy Buhh  
City Clerk

The following rules and regulations have been set by the City Code which apply to all parks and are enforced:

## PROHIBITED

- \* Vehicles are not allowed to be parked or driven on the grass for any reason unless permission is given from the Park Department.
- \* Pets (Allowed in Benson Park and Bluff Park only. Must be on a 6' leash).
- \* Glass containers.
- \* Bonfires.
- \* Snowmobiles, ATVs, golfing, swimming, boating and motorized flotation devices.
- \* Audio equipment may not be played so loud as to interfere with the reasonable use of the park by others. All audio devices shall end at 8 p.m.

## ALLOWED

- \* Personal grills may be brought in.
- \* Keg beer is allowed only with a permit.
- \* Fishing/Ice fishing on Ladybug Lake and Spring Lake only.
- \* Non-motorized canoes and kayaks on Ladybug Lake and Spring Lake. Children under 12 must be accompanied by an adult. Flotation device required.
- \* Hog roasts are allowed in the parks on hard-surfaced lots only.

I, the undersigned, understand that the park shelter reservation fee is NOT a deposit and is NOT refundable for any reason other than inclement weather making it impossible to hold a picnic. Cancellation of this park shelter reservation will NOT result in a refund of the fee. **If prior approval is not obtained for the installation of additional tents or stakes and causes disruption of utility services, I agree to be held liable for any repairs to service lines.**

SIGNED: Beth Kleist 6-11-12  
Applicant Date

For Office Use Only

Receipt # \_\_\_\_\_ Book \_\_\_\_\_ Park \_\_\_\_\_ Police \_\_\_\_\_



# CITY OF NORTH MANKATO PARK PERMIT

This permit does reserve space in a City Park.

PERMIT #: 76 -2012 SHELTER: SLP #1 FEE: 80.00

TYPE OF EVENT: Cub East + West Picnic DATE VALID: 8-8-12 HOURS: 10:00am - 6:00pm

ORGANIZATION: Cub Foods SIZE: 150-200

APPLICANT NAME: Alli

ADDRESS: \_\_\_\_\_ CITY: Mkto

ZIP: 56001 DAYTIME PHONE #: 387-4163

TENTS: \_\_\_\_\_ ELECTRICITY: \_\_\_\_\_ ALCOHOL: \_\_\_\_\_

If keg beer, a \$250 deposit and \$25 fee are required.

AUDIO DEVICES: \_\_\_\_\_

Amplified music or band requires Council approval

OTHER: \_\_\_\_\_

PERMIT APPROVED: \_\_\_\_\_ DATE: 6-11-12

PERMIT DENIED: \_\_\_\_\_

REFER TO COUNCIL: ✓

Nancy B. Smith  
City Clerk

The following rules and regulations have been set by the City Code which apply to all parks and are enforced:

## PROHIBITED

- \* Vehicles are not allowed to be parked or driven on the grass for any reason unless permission is given from the Park Department.
- \* Pets (Allowed in Benson Park and Bluff Park only. Must be on a 6' leash).
- \* Glass containers.
- \* Bonfires.
- \* Snowmobiles, ATVs, golfing, swimming, boating and motorized flotation devices.
- \* Audio equipment may not be played so loud as to interfere with the reasonable use of the park by others. All audio devices shall end at 8 p.m.

## ALLOWED

- \* Personal grills may be brought in.
- \* Keg beer is allowed only with a permit.
- \* Fishing/Ice fishing on Ladybug Lake and Spring Lake only.
- \* Non-motorized canoes and kayaks on Ladybug Lake and Spring Lake. Children under 12 must be accompanied by an adult. Flotation device required.
- \* Hog roasts are allowed in the parks on hard-surfaced lots only.

I, the undersigned, understand that the park shelter reservation fee is NOT a deposit and is NOT refundable for any reason other than inclement weather making it impossible to hold a picnic. Cancellation of this park shelter reservation will NOT result in a refund of the fee. **If prior approval is not obtained for the installation of additional tents or stakes and causes disruption of utility services, I agree to be held liable for any repairs to service lines.**

SIGNED: [Signature]  
Applicant

6-11-12  
Date

For Office Use Only

Receipt # 101296

✓ Book

\_\_\_\_\_ Park

\_\_\_\_\_ Police

# CITY OF NORTH MANKATO PARK PERMIT

This permit does reserve space in a City Park.

PERMIT #: 73 -2012 SHELTER: SLP #1 FEE: 80.00 300pm  
11:30am  
TYPE OF EVENT: Church picnic DATE VALID: 7-22-12 HOURS: 11:30am - 3:00pm

ORGANIZATION: Grace baptist Church SIZE: 150  
APPLICANT NAME: Janet Ward - Grace Baptist Church  
ADDRESS: 600 Lind St CITY: Mankato  
ZIP: 56001 DAYTIME PHONE #: 507-388-9355

TENTS: — ELECTRICITY: — ALCOHOL: —

If keg beer, a \$250 deposit and \$25 fee are required.

AUDIO DEVICES: —  
Amplified music or band requires Council approval

OTHER: —

PERMIT APPROVED: —

DATE: 6-4-12

PERMIT DENIED: —

REFER TO COUNCIL: ✓

City Clerk —

The following rules and regulations have been set by the City Code which apply to all parks and are enforced:

## PROHIBITED

- \* Vehicles are not allowed to be parked or driven on the grass for any reason unless permission is given from the Park Department.
- \* Pets (Allowed in Benson Park and Bluff Park only. Must be on a 6' leash).
- \* Glass containers.
- \* Bonfires.
- \* Snowmobiles, ATVs, golfing, swimming, boating and motorized flotation devices.
- \* Audio equipment may not be played so loud as to interfere with the reasonable use of the park by others. All audio devices shall end at 8 p.m.

## ALLOWED

- \* Personal grills may be brought in.
- \* Keg beer is allowed only with a permit.
- \* Fishing/Ice fishing on Ladybug Lake and Spring Lake only.
- \* Non-motorized canoes and kayaks on Ladybug Lake and Spring Lake. Children under 12 must be accompanied by an adult. Flotation device required.
- \* Hog roasts are allowed in the parks on hard-surfaced lots only.

I, the undersigned, understand that the park shelter reservation fee is NOT a deposit and is NOT refundable for any reason other than inclement weather making it impossible to hold a picnic. Cancellation of this park shelter reservation will NOT result in a refund of the fee. **If prior approval is not obtained for the installation of additional tents or stakes and causes disruption of utility services, I agree to be held liable for any repairs to service lines.**

SIGNED: Janet Ward

Applicant

Date June 04, 12

For Office Use Only

Receipt # —

Book —

Park —

Police —



# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 11B	Department: City Planner	Council Meeting Date: 06/18/2012																																																					
<b>TITLE OF ISSUE:</b> Final Plat of North Ridge Estates Phase XIV, a replat of Lot 1, Block 5, North Ridge Estates Phase XI, a request from Octavian Properties, LLC																																																							
<b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> In April of 2012, the applicant received preliminary plat approval of North Ridge Estates Phase XIV subject to the addition of a storm water holding pond. As proposed with the final plat, six (6) new single-family residential lots would be created including an area for a storm water detention pond.																																																							
<i>If additional space is required, attach a separate sheet</i>																																																							
<b>REQUESTED COUNCIL ACTION:</b> Approve final plat																																																							
<b>For Clerk's Use:</b>  Motion By: _____ Second By: _____  <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Vote Record:</td> <td style="width: 10%; text-align: center;">Aye</td> <td style="width: 10%; text-align: center;">Nay</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Schindle</td> </tr> <tr> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Vote Record:	Aye	Nay			_____	_____	Freyberg		_____	_____	Steiner		_____	_____	Norland		_____	_____	Schindle		_____	_____	Dehen	<b>SUPPORTING DOCUMENTS ATTACHED</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Resolution</td> <td style="width: 20%;">Ordinance</td> <td style="width: 20%;">Contract</td> <td style="width: 20%;">Minutes</td> <td style="width: 20%;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2">Other (specify) _____</td> <td colspan="3">Final Plat _____</td> </tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> </table>	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other (specify) _____		Final Plat _____			_____					_____					_____				
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Other (specify) _____		Final Plat _____																																																					
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<input type="checkbox"/> Workshop  <input checked="" type="checkbox"/> Regular Meeting  <input type="checkbox"/> Special Meeting	<input type="checkbox"/> Refer to: _____ <input type="checkbox"/> Table until: _____ <input type="checkbox"/> Other: _____																																																						

FINAL PLAT OF  
NORTHRIDGE ESTATES PHASE XIV

LOT 1, BLOCK 5, NORTH RIDGE ESTATES PHASE XI

A REQUEST FROM OCTAVIAN PROPERTIES, LLC

THE CITY OF NORTH MANKATO

SUBJECT: Final Plat of North Ridge Estates Phase XIV

APPLICANT: Octavian Properties, LLC

LOCATION: Lot 1, Block 5, North Ridge Estates Phase XI

EXISTING ZONING: R-3, Limited Multiple Dwelling

DATE OF HEARING: June 14, 2012

DATE OF REPORT: June 7, 2012

REPORTED BY: Michael Fischer, City Planner

APPLICATION SUBMITTED

Request to replat Lot 1, Block 5, North Ridge Estates Phase XI.

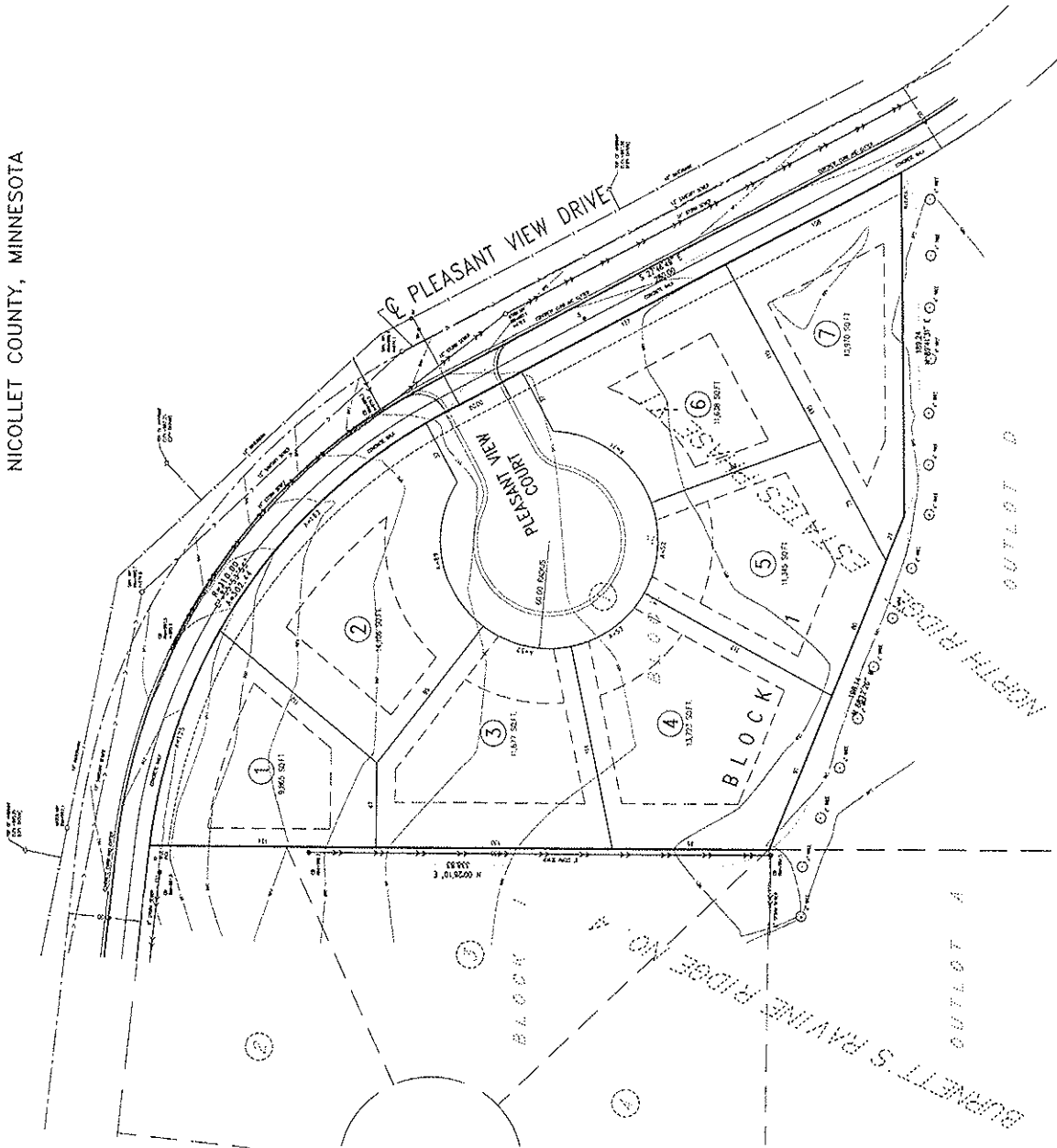
COMMENT

In April of 2012, the applicant received preliminary plat approval of North Ridge Estates Phase XIV subject to the incorporation of a storm water holding pond within the development. As shown on Exhibit A, the preliminary plat consisted of seven (7) single-family lots adjacent to Pleasant View Drive and the addition of Pleasant View Court for access. The proposed final plat shown on Exhibit B consists of six (6) single-family lots and Outlot A which will be the location of a future storm water pond. To accommodate the installation and maintenance of the underground storm sewer line, larger utility easements have been incorporated into Lots 5 and 6.

RECOMMENDATION

Staff recommends approval of the final plat of North Ridge Estates Phase XIV.

CITY OF NORTH MANKATO  
NICOLLET COUNTY, MINNESOTA



BENCH MARK  
NOMAN MNDI  
ELEV.=1015.62  
(NAVD 88 DATUM)

PROPERTY ZONED R-3

[illegible]

SUBJECT PROPERTY  
CONTAINS 2.22 ACRES

I hereby certify that the above person was interviewed by me or my assistant on \_\_\_\_\_ at \_\_\_\_\_  
and that the information furnished by him or her is true and correct.  
Signature \_\_\_\_\_ Date \_\_\_\_\_

Print name \_\_\_\_\_ Interview No. \_\_\_\_\_

PRELIMINARY PLAT  
NORTH WARRATO, MASS 02018

LOT 1, BLOCK 5, NORTH RIDGE  
ESTATES PHASE XI

DOI-10X-20C MON  
DATE 207-363-1009  
MAY 10, 2008  
P.O. BOX 3434  
ST. LOUIS MO 63103

EXHIBIT A



NORTH RIDGE ESTATES PHASE XIV  
CITY OF NORTH MANKATO  
NICOLLET COUNTY, MINNESOTA

INSTRUMENT OF DEDICATION

Know all men by these presents that we, Octaviano Properties, LLC, a Minnesota Limited Liability Company, for and on behalf of the following described property to wit:

Lot 1, Block 5, North Ridge Estates Phase XIV, according to the plat thereof on file and of record with the Nicollet County Register of Titles, containing 2.22 acres

do hereby declare that we have divided the above described property to be surveyed and platted and monuments to be set, that we have named said divided area NORTH RIDGE ESTATES PHASE XIV, and that we dedicate to the public use the public ways and easements shown herein and that we further dedicate to the City of North Mankato, Outlots A as shown hereon for storm water management purposes.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2012 by Trent Esh, chief manager of Octaviano Properties, LLC

Trent Esh, chief manager  
NOTARY CERTIFICATE  
State of Minnesota  
County of Nicollet

On this the \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me a Notary Public within and for said County, personally Trent Esh, who being duly sworn did say that he is the chief manager of Octaviano Properties, LLC, the Minnesota Limited Liability Company named in the foregoing instrument, and that said instrument was signed in behalf of said company by authority of its Board of members, and said Trent Esh acknowledged said instrument to be the free act and deed of said company.

SURVEYOR'S CERTIFICATE  
Notary Public

I, Warren P. Smith, Professional Land Surveyor, do hereby certify that I have surveyed or directly supervised the survey of this plat of NORTH RIDGE ESTATES PHASE XIV, that this plat is a correct representation of the boundary survey; that all mathematical data and labels are correctly designated on this plat; that all monuments indicated on this plat have been or will be, correctly placed and labeled in accordance with the Minnesota Surveying Laws, Chapter 83B, Minnesota Statutes, Section 83B.01, Sub. 3, as of the date of the surveyor's certification are shown and labeled on this plat, and all public ways are shown and labeled on this plat.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2012

Warren P. Smith, Professional Land Surveyor  
Minnesota License No. 14202  
On this the \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me a Notary Public in and for said County, appeared Warren P. Smith, and being duly sworn did say that he has executed the foregoing instrument.

Notary Public

APPROVALS

Be it known that on this the \_\_\_\_\_ day of \_\_\_\_\_, 2012, the Planning Commission of the City of North Mankato did duly review this plat of NORTH RIDGE ESTATES PHASE XIV.

Chairman

Be it known that on this the \_\_\_\_\_ day of \_\_\_\_\_, 2012, the City Council of the City of North Mankato did duly approve this plat of NORTH RIDGE ESTATES PHASE XIV.

Mayor

City Clerk

I, Michael D. Burville, licensed attorney, State of Minnesota, do hereby certify that the owners as indicated herein, represent all ownership interest in the land encompassed by this plat.

COUNTY ATTORNEY/CLERK

I hereby certify that there are no delinquent taxes and/or delinquent special assessments, that the current taxes have been paid and that the transfer has been entered on the land described herein on the \_\_\_\_\_ day of \_\_\_\_\_, 2012.

County Auditor/Recorder

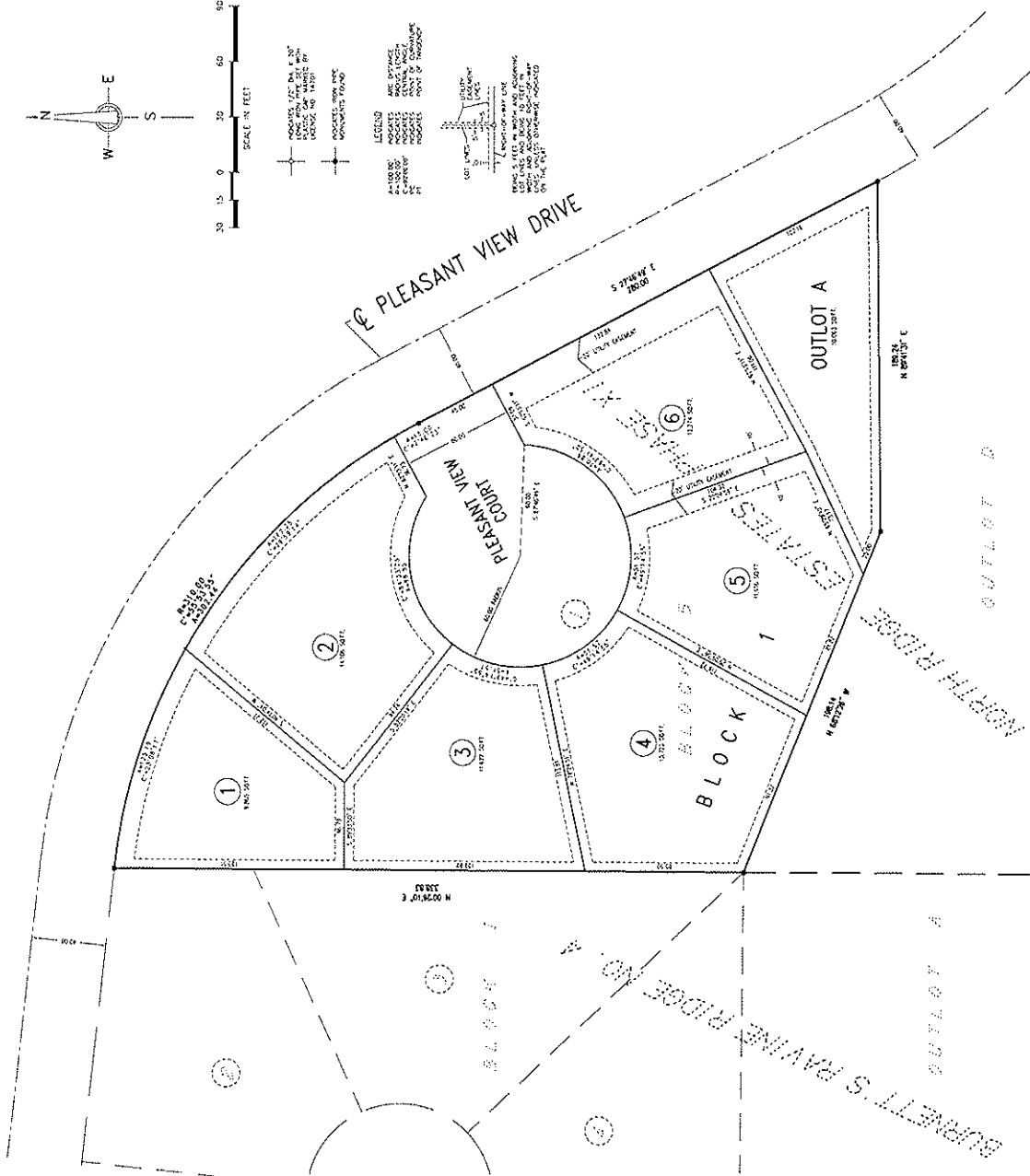
REGISTRAR OF TITLES

I hereby certify that this instrument was filed in my office for record on the \_\_\_\_\_ day of \_\_\_\_\_, 2012, at \_\_\_\_\_ o'clock, \_\_\_\_\_ M., and that it was duly recorded.

Plats, Number \_\_\_\_\_

Register of Titles, Nicollet County, Minnesota

THIS PLAT IS NOT TO BE RECORDED



# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 12A	Department: Admin.	Council Meeting Date: 06/18/2012
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**TITLE OF ISSUE:** Res. Approving Plans and Specifications and Setting Bid Opening for Project No. 12-02ABC, Caswell North Soccer Fields

**BACKGROUND AND SUPPLEMENTAL INFORMATION:** Regarding construction of soccer fields on the future elementary school site, attached is a Memorandum of Understanding (MOU) between the City and the Mankato United Soccer Club (MUSC). Also attached is a preliminary engineering report and advertisements for bids. The first phase of the project involves grading, site work, tiling, installation of water/sewer, irrigation, seeding and electrical. The estimated cost of these activities is \$518,000. As per the MOU, MUSC would contribute \$150,000 toward Phase I of the project with the remainder funded through the Local Option Sales Tax Fund. According to the proposed construction schedule, Phase 2, consisting of parking and concession stand construction, would occur in 2013 with the fields being playable in 2014.

*If additional space is required, attach a separate sheet*

**REQUESTED COUNCIL ACTION:** Adopt Resolution

**For Clerk's Use:**

Motion By: \_\_\_\_\_

Second By: \_\_\_\_\_

Vote Record:

Aye      Nay

_____	_____	Freyberg
_____	_____	Steiner
_____	_____	Norland
_____	_____	Schindle
_____	_____	Dehen

**SUPPORTING DOCUMENTS ATTACHED**

Resolution    Ordinance    Contract    Minutes    Map

☒
☐
☐
☐
☐

Other (specify) \_\_\_\_\_

Attachment A - Project Schedule  
MOU, Preliminary Engineering Report, Advertisement for Bids

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☐ Workshop

☒ Regular Meeting

☐ Special Meeting

☐

Refer to: \_\_\_\_\_

☐

Table until: \_\_\_\_\_

☐

Other: \_\_\_\_\_

RESOLUTION NO.

RESOLUTION APPROVING PLANS AND SPECIFICATIONS  
AND AUTHORIZING ADVERTISEMENT FOR BIDS  
FOR PROJECT NO. 12-02ABC,  
CASWELL NORTH SOCCER FIELDS

WHEREAS, it is proposed to consider Project No. 12-02ABC, Caswell North Soccer Fields; and

WHEREAS, said construction will be funded from allocations for regional parks from the Local Option Sales Tax and by contributions from the Mankato United Soccer Club in the amount of \$150,000; and

WHEREAS, I & S Group has been designated as the engineer for such improvement; and

WHEREAS, I & S Group has prepared a project schedule (See Attachment A) and plans and specifications for the Caswell North Soccer Fields improvements;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH MANKATO, MINNESOTA, as follows:

- 1) Said project schedule and plans and specifications are hereby approved.
- 3) I & S Group shall prepare and cause to be inserted in the official paper an advertisement for bids upon the making of such improvement under such approved plans and specifications. The advertisement shall be published for 3 weeks, shall specify the work to be done, shall state that bids will be opened at 10:00 a.m. on July 18, 2012, in the Offices of I & S Group, and that no bids will be considered unless sealed and filed with the Clerk and accompanied by a cash deposit, cashier's check, bid bond or certified check payable to the Clerk.

Adopted by the City Council this 18<sup>th</sup> day of June 2012.

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk


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Mankato, MN  
 Faribault, MN  
 Storm Lake, IA  
 Algona, IA  
 Sac City, IA

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**Project Schedule for Caswell North Soccer Fields – City of North Mankato**

**Date: 5-30-12**

**PROJECTED SCHEDULE FOR PHASE 1 (2012)\*\***

June 1-13, 2012	Complete Final Plans and Specifications for bidding 3 contracts – Site Work, Tile Construction, and Irrigation.
June 18, 2012	Project Schedule and Plans and Specifications approved by City Council. Bids Ordered.
June 22 to July 13, 2012	Project Advertised
July 18, 2012	Bids Received and Opened
August 6, 2012	Project Awarded by City Council
August 2012	Ground Breaking Ceremony
August to October 2012	Construction
Spring 2013	Seed established and City takes over Maintenance
Summer 2013	Potential Phase 2 construction of parking areas
Spring 2014	Soccer Fields Open for Use

**\*\*Assumes approvals from City Council at each meeting\*\***

**MEMORANDUM OF UNDERSTANDING  
CONSTRUCTION OF CASWELL NORTH SOCCER COMPLEX  
CITY OF NORTH MANKATO AND MANKATO UNITED SOCCER CLUB**

The City of North Mankato, hereinafter referred to as "City" and the Mankato United Soccer Club, hereinafter referred to as "MUSC" wish to enter into an Agreement regarding the development of the Caswell North Soccer Complex. The complex is to be located on land owned by Independent School District 77 under an agreement between the City of North Mankato and Independent School District 77. Said agreement was previously approved by both bodies and is on file.

Total construction cost for the Caswell North Soccer Complex is estimated to be \$919,000. The City may amend that budget as it deems appropriate during the course of construction. In support of the project, MUSC agrees to donate \$150,000 for the capital cost of the project. For the first year the complex is open, MUSC will pay the City of North Mankato \$5,000 for use of the facility. For each year thereafter, an annual fee will be calculated based on actual cost of operating the facility. It is the intent of the parties to renegotiate the annual maintenance payment when the operational costs are known.

The City agrees to the following in the development of the complex:

1. Construction of the fields including grading, irrigation, seeding, utilities and electrical service.
2. Parking to be constructed in two phases. Area F only as depicted on the project site plan. Other parking improvements to be constructed at a future date.
3. Preparation for future lighting of two fields.
4. Fencing of the complex.
5. Goals.
6. Concession Stand with restrooms.
7. Annual maintenance including mowing, irrigation and electricity.

MUSC will provide the following:

1. Club representation at meetings with City staff during the development of the complex.
2. Nets for all goals.
3. Set up and take down of fields each season.
4. Paint all fields during each season.

The City of North Mankato will manage the facility through its Park Department. MUSC representatives will serve as a resource and provide advice on the best and most efficient operation of the facility. MUSC will have priority use on all fields in the complex. For tournaments hosted by MUSC, the City and MUSC will share equally in the net proceeds of concessions during those tournaments. The City agrees that MUSC will have the ability to allow approved outside vendors at MUSC tournaments. In return,

the City will receive fifteen percent (15%) of the gross revenues of those vendors. MUSC will provide the necessary staffing to operate the concessions during their tournaments and obtain any and all permits and approvals from other governmental agencies.

The City of North Mankato, in consultation with the Mankato Area Soccer Club, reserves the right to make any and all decisions regarding use and operation of the facility.

Dated this 29<sup>th</sup> day of May 2012.

MANKATO UNITED SOCCER CLUB

CITY OF NORTH MANKATO

By: \_\_\_\_\_

By: \_\_\_\_\_

Preliminary Engineering Information For:

CASWELL PARK NORTH SOCCER COMPLEX

**CITY OF NORTH MANKATO**

MINNESOTA

June 13, 2012  
Project No. 11741



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## **PRELIMINARY ENGINEERING INFORMATION**

### **I. INTRODUCTION**

The Caswell Park North Soccer Complex is the first phase of development of an existing 37.6-acre agricultural field in North Mankato. Phase 1 will include ten soccer fields and full site development is planned to include a future school, concessions building, lighting, parking lots, and athletic fields. Mankato School District No. 77 donated approximately 15 acres for development.

The following report discusses, among other topics, the nature and extent of the proposed improvements, potential environmental impacts, and potential construction difficulties.

### **II. PROJECT AREA**

The property is located at the southwest corner of the Lor Ray Drive and Carlson Drive intersection.

### **III. SANITARY SEWER IMPROVEMENTS**

The property will be served by 6-inch and 8-inch sanitary sewer in the future, but infrastructure will be extended through the property as part of this phase. A manhole will be constructed on the existing sanitary stub south of the Carlson Drive sanitary sewer. Eight inch sewer will be extended to the east approximately 207 feet. This segment will serve a future concessions building and the potential future school. A manhole will be constructed at the upstream end of the 8-inch sewer and 6-inch sewer will be extended to the south approximately 726 feet to convey wastewater from the future concessions building to the 8-inch line. Cleanouts will be provided on the 6-inch sanitary sewer at maximum intervals of 90 feet. The utility layout is shown on sheet C2.13.

### **IV. WATERMAIN IMPROVEMENTS**

The site will be served by 6-inch watermain that will run parallel to the sanitary sewer. A fire hydrant will be constructed at the end of the watermain. The watermain will serve the future concessions building and the proposed irrigation system. The utility layout is shown on sheet C2.13 and the irrigation plan is shown on sheet C6.11.



## **V. STORM DRAINAGE IMPROVEMENTS**

No impervious surface will be added as part of this phase, so permanent storm water management will not be required for this phase.

Overland flow from the eastern portion of the site will drain to the east towards Lor Ray Drive. Two hickenbottom type structures will collect and convey water via 8-inch storm sewer from a temporary low spot to the proposed catch basin. The proposed catch basin will be constructed to serve a future parking lot as shown on sheet C2.15. The catch basin will outlet to existing Lor Ray Drive storm sewer via 18-inch storm sewer.

Overland runoff from the soccer fields will generally shed to the east west and south to be collected by storm sewer and swales that will convey the runoff to the north. This storm sewer ranges from 8- to 36-inches in size and connects to the existing Carlson Drive storm sewer. The utility layout is shown on sheet C2.13.

The soccer fields will also be tiled to allow the fields to dry out to allow play to resume shortly after rain events. Four inch tiles will be spaced at approximately 40 feet on center and will outlet to the proposed storm sewer system. The subdrain plan is shown on sheet C2.14.

## **VI. STREET IMPROVEMENTS**

No street improvements will be included in the scope of this phase.

## **VII. SITE GRADING**

Approximately 21,000 cubic yards of material will need to be moved on site while another 8,700 cubic yards of material will need to be imported. The overall grading plan is shown on sheet C3.11. Approximately 15 inches of topsoil will need to be stripped prior to embankment. This includes areas of the future access drive and parking lot as shown on the overall grading plan. Soil boring information is included in this report.

The City has an existing sand stockpile that will be mixed with the topsoil to increase drainage in the soccer field areas. A minimum of 8-inches of topsoil or topsoil mix will be provided on all field areas except future building and parking areas.

#### **VIII. MAINTENANCE/SCHEDULE**

After final approval and establishment of the turf in 2013, the City of North Mankato will be required to maintain the site. It is anticipated that play may begin on the fields in Spring 2014. An anticipated project schedule is included with this report.

#### **IX. COST ESTIMATES**

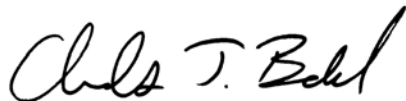
This phase will be split into three construction projects. The total project cost is estimated to be \$518,000, including City bonding, staking, engineering, and construction administration costs. The site development construction costs are estimated to be \$233,000, the drainage costs are estimated to be \$204,000, and the irrigation and electrical costs are estimated to be \$81,000. An itemized cost estimate is included with this report.

#### **X. RECOMENDATIONS**

In order to properly serve this subdivision and properly plan for future growth, the proposed improvements are necessary, feasible, and cost effective. It is recommended that the City Council approve the project and the City advertise, bid, and construct the project utilizing the 429 process.

An anticipated project schedule is included with this report.

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.



---

Chuck J. Brandel, PE

Date: June 13, 2012

Reg. No. 43,359

Caswell Park North Soccer Complex

# **Appendix A**

## Construction Plans













# CASWELL PARK NORTH SOCCER COMPLEX

NORTH MANKATO, MINNESOTA

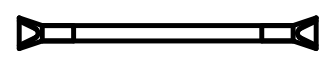





## LEGEND

### EXISTING

— — — — —	SECTION LINE
— — — — —	QUARTER SECTION LINE
— — — — —	RIGHT OF WAY LINE
— — — — —	PROPERTY / LOTLINE
- - - - -	EASEMENT LINE
- x - x - x - x - x -	FENCE LINE
- - - - << - - - -	STORM SEWER
- - - - < - - - -	SANITARY SEWER
- - - - <   - - - -	SANITARY SEWER FORCEMAIN
- - - -   - - - -	WATER
- - - - UT - - - -	UNDERGROUND TELEPHONE
- - - - OE - - - -	OVERHEAD ELECTRIC
- - - - UE - - - -	UNDERGROUND ELECTRIC
- - - - UTV - - - -	UNDERGROUND TV
- - - - G - - - -	GAS
- - - - FBO - - - -	UNDERGROUND FIBER OPTIC
- - - - 990 - - - -	CONTOUR (MAJOR)
- - - - 989 - - - -	CONTOUR (MINOR)

	DECIDUOUS TREE
	CONIFEROUS TREE
	TREE LINE
	MANHOLE
	CATCH BASIN
	HYDRANT
	VALVE
	CURB STOP
	POWER POLE
	UTILITY PEDESTAL / CABINET

### PROPOSED

— — — — —	RIGHT OF WAY
- - - - -	EASEMENT
.....	PROPERTY
	CULVERT
- << -	STORM SEWER
- < -	SANITARY SEWER
- <   -	SANITARY SEWER FORCEMAIN
-   -	WATER
- OE -	OVERHEAD ELECTRIC
- UE -	UNDERGROUND ELECTRIC
- UTV -	UNDERGROUND TV
- G -	GAS
- 989 -	CONTOUR (MINOR)
- 990 -	CONTOUR (MAJOR)
- SF -	PERIMETER CONTROL
	MANHOLE
	CATCH BASIN
	HYDRANT
	VALVE
	POWER POLE

## GENERAL SITE NOTES:

- 1.) ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF NORTH MANKATO REQUIREMENTS AND MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2005 EDITION, UNLESS DIRECTED OTHERWISE.
- 2.) THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I&S GROUP, INC. NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- 3.) THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO EXCAVATION/CONSTRUCTION. (1-800-252-1166) A "GOPHER STATE ONE CALL" WAS PERFORMED AT THE TIME OF THE TOPOGRAPHIC SURVEY.
- 4.) COORDINATE ALL PRIVATE UTILITY RELOCATIONS AND REMOVALS WITH RESPECTIVE UTILITY COMPANIES.
- 5.) TOPOGRAPHIC SURVEY WAS COMPLETED BY SURVEY SERVICES, INC. AND SUPPLEMENTED BY I&S GROUP, INC.



## INDEX OF SHEETS

T1.II	TITLE SHEET
C2.II	OVERALL SITE PLAN
C2.I2	SITE UTILITY PLAN
C2.I3	SITE UTILITY PLAN
C2.I4	SUBDRAIN PLAN
C2.I5	SITE UTILITY PLAN (EAST PARKING LOT)
C3.II	OVERALL GRADING PLAN
C3.I2	FIELD GRADING PLAN
C3.I3	SITE GRADING PLAN (EAST PARKING LOT)
C4.II	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
C4.I2	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
C5.II	FIELD LINING PLAN
C5.I2	SITE DETAILS
C6.II	IRRIGATION PLAN

SITE WORK			
Item No.	Construction Item	Unit	Quantity
2021.501	MOBILIZATION	LUMP SUM	1
2104.501	REMOVE EXISTING WATERMAIN	LIN FT	9
2104.503	REMOVE CONCRETE SIDEWALK	SQ YD	11
2104.603	SAWING CONCRETE WALK	LIN FT	16
2105.501	COMMON EXCAVATION (EV)	CU YD	21.06
2105.501	COMMON EXCAVATION TOPSOIL STRIP (EV)	CU YD	1.407
2105.501	COMMON BORROW (CV) FROM CITY STOCKPILE	CU YD	8.646
2621.501	5' CONCRETE WALK W/ 12" SAND BASE	SQ FT	92
2621.501	5' CONCRETE W/ 12" SAND BASE	SQ FT	1,080
2673.502	WOODCHIP PROTECTION BERM	LIN FT	3751
2673.530	STORM DRAIN INLET PROTECTION	EACH	29
2673.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	1
2675.501	SEEDING - ATHLETIC HIGH TRAFFIC SEED MIX WITH MULCH AND FERTILIZER	ACRE	21.75
2675.519	AMEND TOPSOIL WITH SAND (DISK ANCHORING)	ACRE	6.7
2603.602	CONNECT TO EXISTING SANITARY	EACH	1
2603.602	8" CLEANOUT	EACH	3
2603.602	6" PIPE CAP	EACH	1
2603.602	CONSTRUCT SANITARY STRUCTURE	LIN FT	28.4
2603.603	6" PVC SANITARY SERVICE	LIN FT	726
2603.603	8" PVC SANITARY SERVICE	LIN FT	267
2604.602	CONNECT TO EXISTING WATERMAIN	EACH	1
2604.602	HYDRANT	EACH	1
2604.602	WATERMAIN FITTINGS	LBS	243
2604.602	6" GATE VALVE & BOX	EACH	1
2604.602	6" WATERMAIN	LIN FT	969
2604.602	6" WATERMAIN PLUG	EACH	1
2606.602	SANITARY CASTING ASSEMBLY, MnDOT 700-7 RING & SELF SEAL 712 COVER W/ CONCEALED PICK HOLES	EACH	2
400	NATIONAL RECREATION SYSTEMS, INC. BLEACHER NB-0327APRF	EACH	4

STORM SEWER AND TILE WORK			
Item No.	Construction Item	Unit	Quantity
2451.507	GRANULAR PIPE FOUNDATION (STORM)	CU YD	50
2602.541	4" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	13,810
2602.541	8" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	640
2602.541	12" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	636
2602.541	15" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	560
2603.541	8" HDPE PIPE DRAIN	LIN FT	258
2603.541	12" HDPE PIPE DRAIN	LIN FT	333
2603.541	15" HDPE PIPE DRAIN	LIN FT	586
2603.541	18" RC PIPE DRAIN CLASS 3	LIN FT	335
2603.541	24" RC PIPE DRAIN CLASS 3	LIN FT	324
2603.541	30" RC PIPE DRAIN CLASS 3	LIN FT	232
2603.541	36" RC PIPE DRAIN CLASS 3	LIN FT	248
300	8"x30" BEND (HDPE)	EACH	1
301	8"x45" BEND (HDPE)	EACH	2
302	12"x45" BEND (HDPE)	EACH	1
303	4" WYE	EACH	5
304	8" WYE	EACH	1
305	8"x4" WYE	EACH	16
308	12"x4" WYE	EACH	16
307	15"x4" WYE	EACH	8
308	8"x4" REDUCER	EACH	5
309	4" CAP	EACH	51
310	HICKENBOTTOM	EACH	2
2603.573	CONSTRUCT 30" CAP	EACH	1
2603.602	CONNECT TO EXISTING STORM STRUCTURE	EACH	2
2606.501	CONSTRUCT DRAINAGE STRUCTURE MnDOT 4020	LIN FT	52
2606.501	CONSTRUCT DRAINAGE STRUCTURE 12" PVC DROP INTAKE (NYLOPLAST)	LIN FT	44
2606.502	8" CLEANOUT	EACH	1
2606.516	MnDOT 700-7 RING W/721 GRATE	EACH	6
2606.516	MnDOT 700-7 RING W/715 COVER	EACH	1
2606.516	NYLOPLAST 27" BASIN W/PEDESTAL RAIN H-10 GRATE	EACH	10
2606.516	CASTING ASSEMBLY, NEEDHAM R-3246 W/ TYPE C GRATE	EACH	1

IRRIGATION AND ELECTRICAL			
Item No.	Construction Item	Unit	Quantity
400	ELECTRICAL SYSTEM AND CONDUIT	LUMP SUM	1
401	IRRIGATION SYSTEM	LUMP SUM	1
402	PUMP STATION	LUMP SUM	1



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



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## PROJECT

## CASWELL PARK NORTH SOCCER COMPLEX

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
		
		
		
		
		

PROJECT NO. 06-11741

CAD FILE NAME 11741 SITE

DESIGNED BY CJB

DRAWN BY BDT

REVIEWED BY JP

ISSUE DATE 06-13-12

CLIENT PROJECT NO.

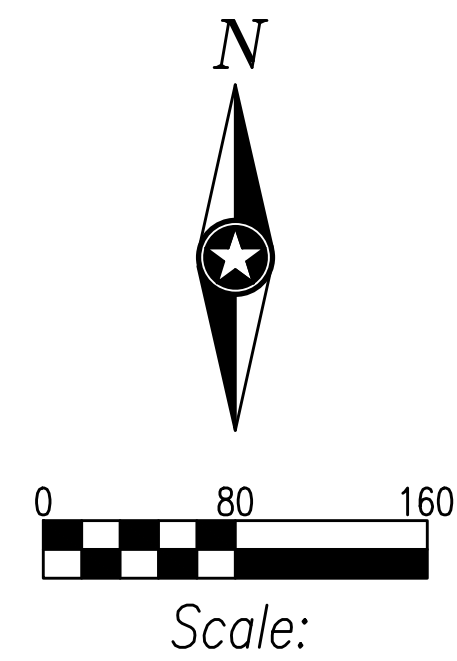
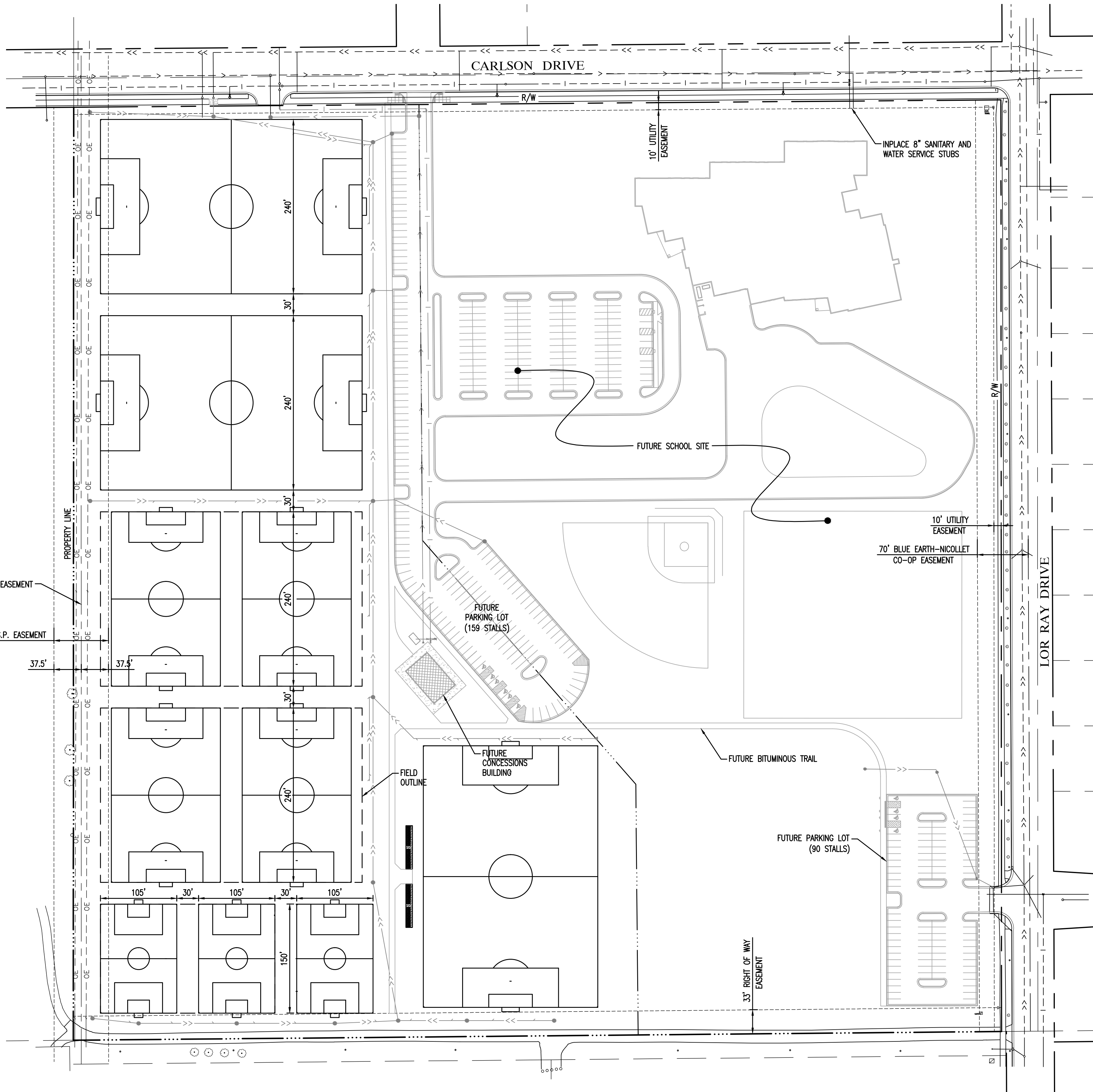
## TITLE

## TITLE SHEET

SHEET

# T1.11





**B.M. ELEVATION=993.95**  
T.N.F.H. CNR OF CARSLON AND LOR RAY DRIVE



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PROJECT

**CASWELL PARK NORTH SOCCER COMPLEX**

NORTH MANKATO MINNESOTA

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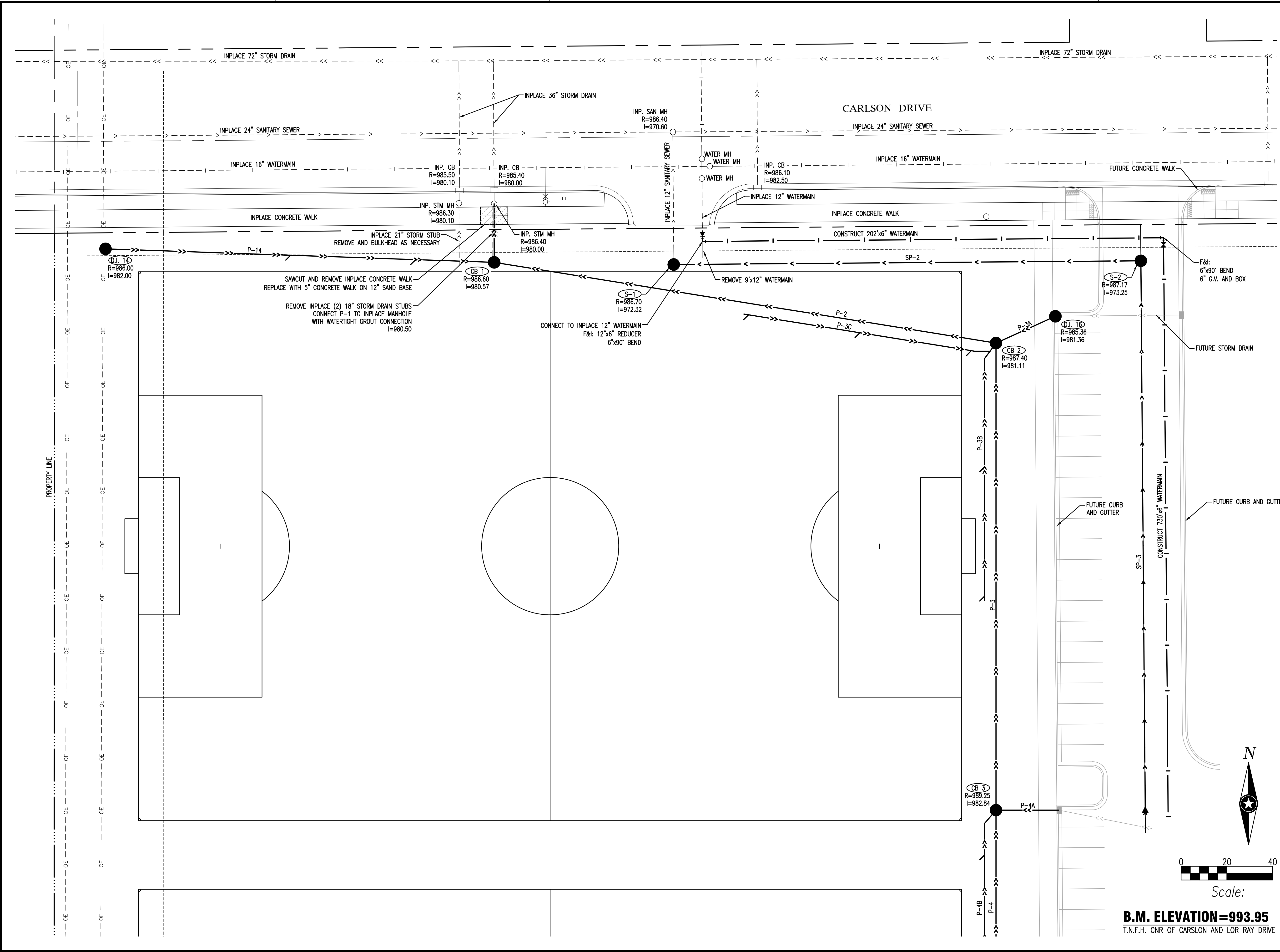
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CAD FILE NAME	11741 SITE
DESIGNED BY	CJB
DRAWN BY	BDT
REVIEWED BY	JP
ISSUE DATE	04-28-11
CLIENT PROJECT NO.	

TITLE

**OVERALL SITE PLAN**

SHEET

**C2.11**





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PROJECT

CASWELL PARK NORTH  
SOCCER COMPLEX

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
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PROJECT NO.

06-11741

CAD FILE NAME

11741 SITE

DESIGNED BY

CJB

DRAWN BY

BDT

REVIEWED BY

JP

ISSUE DATE

04-28-11

CLIENT PROJECT NO.

TITLE

SITE UTILITY PLAN

SHEET

C2.12





CITY OF NORTH MANKATO

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PROJECT

**CASWELL PARK NORTH  
SOCCER COMPLEX**

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
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PROJECT NO. 06-11741

CAD FILE NAME 11741 SITE

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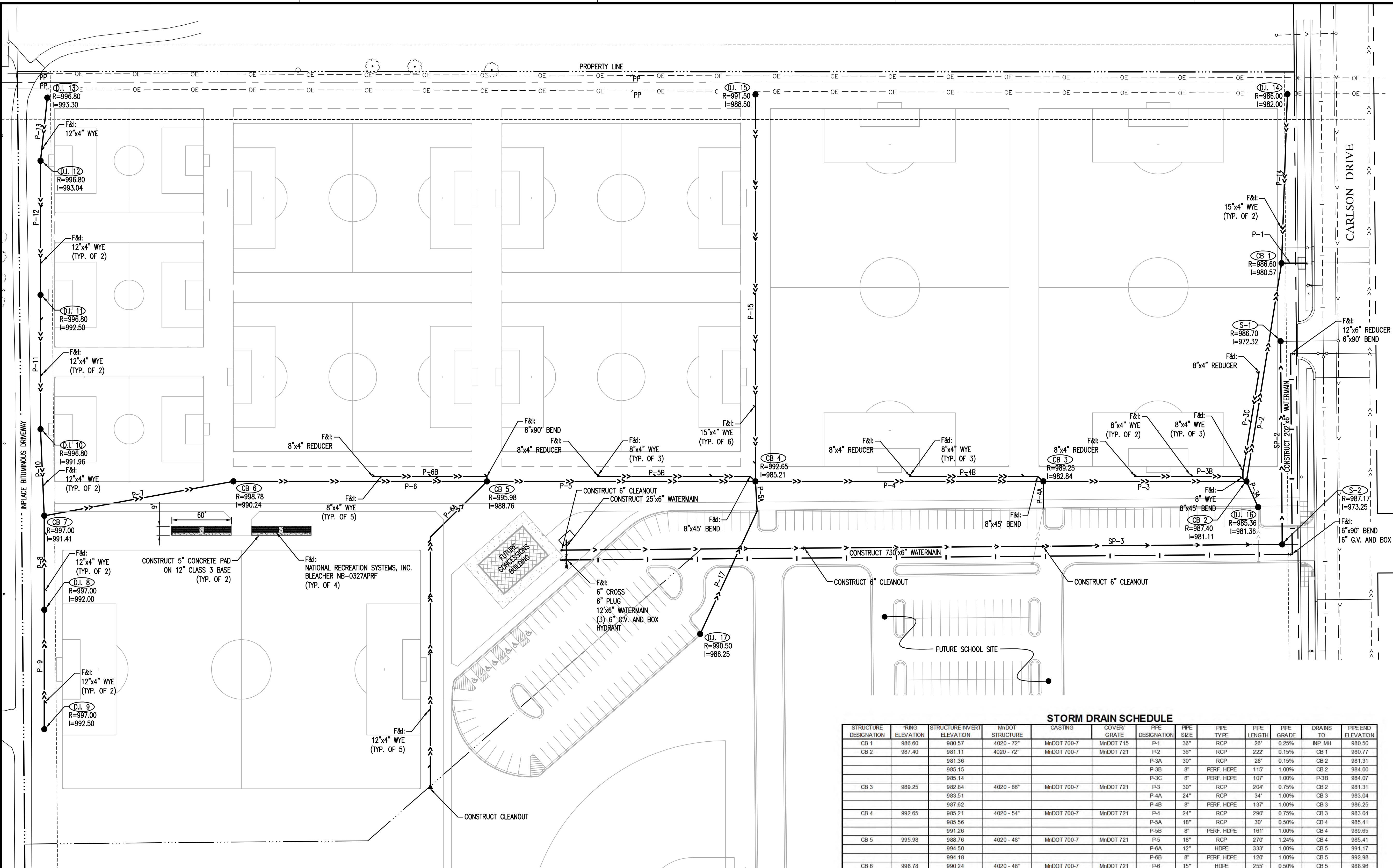
CLIENT PROJECT NO.

TITLE

**SITE UTILITY PLAN**

SHEET

**C2.13**



STORM DRAIN SCHEDULE												
STRUCTURE DESIGNATION	RING ELEVATION	STRUCTURE INVERT ELEVATION	MnDOT STRUCTURE	CASTING	COVER/GRATE	PIPE DESIGNATION	PIPE SIZE	PIPE TYPE	PIPE LENGTH	PIPE GRADE	DRAINS TO	PIPE END ELEVATION
CB 1	986.60	980.57	4020 - 72"	MnDOT 700-7	MnDOT 715	P-1	36"	RCP	26'	0.25%	INP. MH	980.50
CB 2	987.40	981.11	4020 - 72"	MnDOT 700-7	MnDOT 721	P-2	36"	RCP	222'	0.15%	CB 1	980.77
		981.36				P-3A	30"	RCP	28'	0.15%	CB 2	981.31
		985.15				P-3B	8"	PERF. HDPE	115'	1.00%	CB 2	984.00
		985.14				P-3C	8"	PERF. HDPE	107'	1.00%	P-3B	984.07
CB 3	989.25	982.84	4020 - 66"	MnDOT 700-7	MnDOT 721	P-3	30"	RCP	204'	0.75%	CB 2	981.31
		983.51				P-4A	24"	RCP	34'	1.00%	CB 3	983.04
		987.62				P-4B	8"	PERF. HDPE	137'	1.00%	CB 3	986.25
		985.21				P-4	24"	RCP	290'	0.75%	CB 3	983.04
CB 4	992.65	985.21	4020 - 54"	MnDOT 700-7	MnDOT 721	P-5A	18"	RCP	30'	0.50%	CB 4	985.41
		985.56				P-5B	8"	PERF. HDPE	161'	1.00%	CB 4	989.65
		991.26				P-5	18"	RCP	270'	1.24%	CB 4	985.41
		994.50				P-6A	12"	HDPE	333'	1.00%	CB 5	991.17
CB 5	995.98	988.76	4020 - 48"	MnDOT 700-7	MnDOT 721	P-6B	8"	PERF. HDPE	120'	1.00%	CB 5	992.98
		994.18				P-8	15"	HDPE	255'	0.50%	CB 5	988.98
		990.24				P-7	15"	HDPE	194'	0.50%	CB 6	990.44
		991.41				P-8	12"	PERF. HDPE	95'	0.40%	CB 7	991.61
CB 6	996.78	990.24	4020 - 48"	MnDOT 700-7	MnDOT 721	P-8	15"	HDPE	255'	0.50%	CB 5	988.98
CB 7	997.00	991.41	4020 - 48"	MnDOT 700-7	MnDOT 721	P-7	15"	HDPE	194'	0.50%	CB 6	990.44
DI 8	997.00	992.00				P-8	12"	PERF. HDPE	95'	0.40%	DI 8	992.00
DI 9	997.00	992.50				P-9	12"	PERF. HDPE	120'	0.40%	DI 9	992.50
DI 10	996.80	991.96				P-10	12"	PERF. HDPE	87'	0.40%	DI 10	991.96
DI 11	996.80	992.50				P-11	12"	PERF. HDPE	135'	0.40%	DI 11	992.50
DI 12	996.80	993.04				P-12	12"	PERF. HDPE	135'	0.40%	DI 12	993.04
DI 13	996.80	993.00				P-13	12"	PERF. HDPE	64'	0.40%	DI 13	993.00
DI 14	996.00	992.00				P-14	15"	PERF. HDPE	170'	0.72%	CB 1	980.77
DI 15	991.50	988.50				P-15	15"	PERF. HDPE	390'	0.50%	CB 4	986.55
DI 16	985.36	981.36				P-16	12"	HDPE	137'	0.50%	P-17	985.56
DI 17	990.50	986.25				P-17	15"	HDPE	137'	0.50%	P-17	985.56
CB 18	990.75	987.20	**4020 - 60"	NEENAH R-3248	TYPE C	P-18	18"	RCP	25'	0.25%	INP. CB	987.13
H.B. 19	989.00	987.51		HICKENBOTTOM (SEE DETAIL)		P-19	8"	HDPE	156'	0.20%	CB 18	987.20
H.B. 20	989.00	987.71		HICKENBOTTOM (SEE DETAIL)		P-20	8"	HDPE	102'	0.20%	H.B. 19	987.51

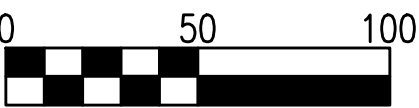
TOP OF CASTING ELEVATIONS ON CURB STYLE CATCH BASINS REPRESENT TOP OF CURB BOX, NOT GUTTER ELEVATION.

\*\* PROVIDE 24" 3/8" HOLE IN TOP OF 4020 STRUCTURE.

**SANITARY SEWER SCHEDULE**

STRUCTURE DESIGNATION	RING ELEVATION	STRUCTURE INVERT ELEVATION	MnDOT STRUCTURE	CASTING	PIPE DESIGNATION	PIPE SIZE	PIPE TYPE	PIPE LENGTH	PIPE GRADE	DRAINS TO	PIPE END ELEVATION
S-1	986.70	972.32	MnDOT 4007C W/MECHANICAL JOINT & PIPE SLEEVE SEALS	MnDOT 700-7 RING & SELF SEAL 712 COVER W/CONCEALED PICK HOLES						INP. 12" STUB	
S-2	987.17	973.25	MnDOT 4007C W/MECHANICAL JOINT & PIPE SLEEVE SEALS	MnDOT 700-7 RING & SELF SEAL 712 COVER W/CONCEALED PICK HOLES	SP-2	8"	SDR-35	207'	0.40%	S-1	972.42
		988.00			SP-3	6"	SDR-35	726'	2.02%	S-2	973.35

NOTE: 0.10' DROP SHALL BE CONSTRUCTED THROUGH EACH STRUCTURE.



Scale:

**B.M. ELEVATION=993.95**

T.N.F.H. CNR OF CARSLON AND LOR RAY DRIVE





KEY PLAN

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.

DATE \_\_\_\_\_ LIC. NO. \_\_\_\_\_

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PROJECT

**CASWELL PARK NORTH  
SOCCER COMPLEX**

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
▲		
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PROJECT NO. 06-11741  
CAD FILE NAME 11741 SITE  
DESIGNED BY CJB  
DRAWN BY BDT  
REVIEWED BY JP  
ISSUE DATE 04-28-11

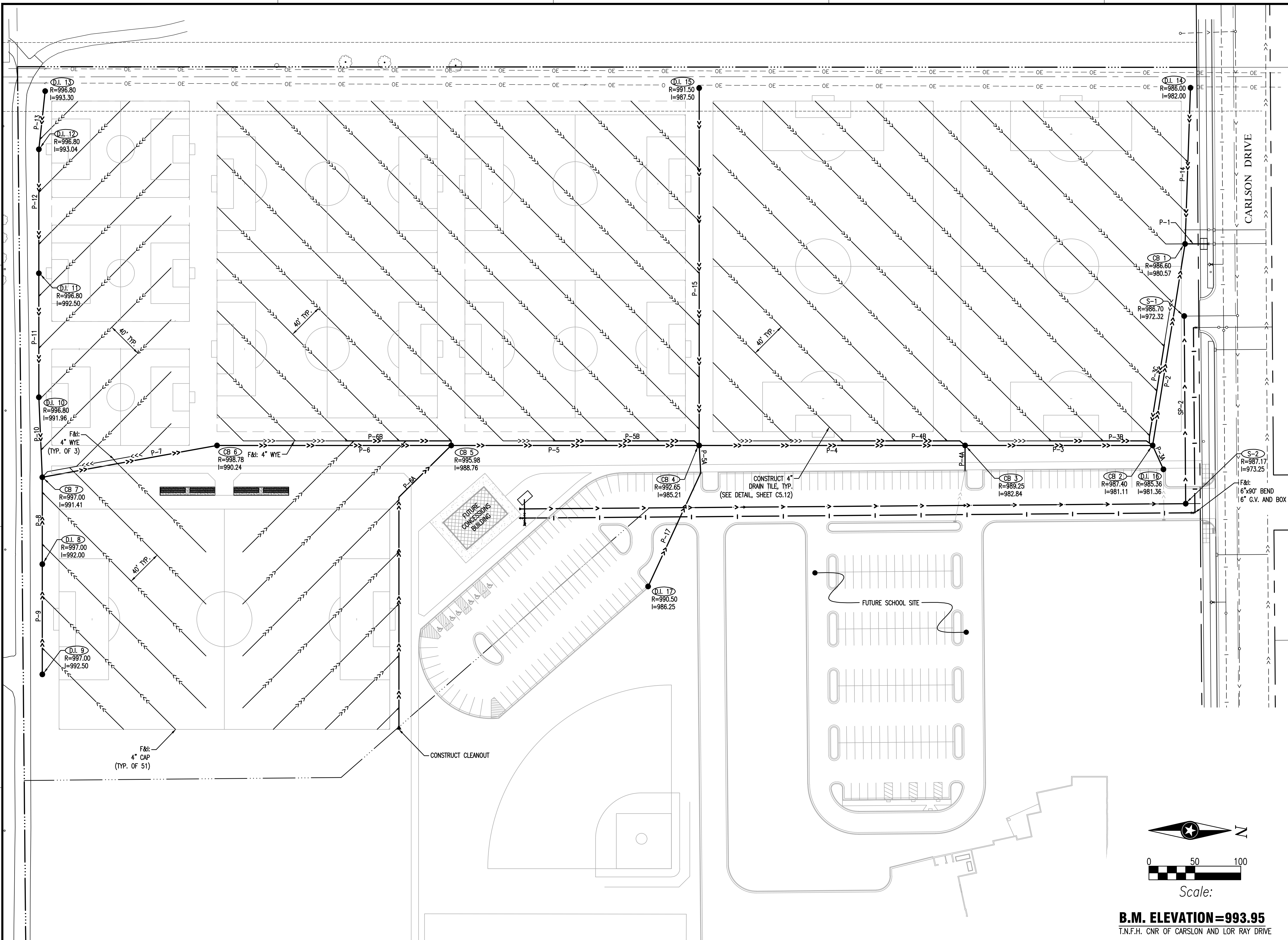
CLIENT PROJECT NO.

TITLE

**SUBDRAIN PLAN**

SHEET

**C2.14**



**B.M. ELEVATION=993.95**  
T.N.F.H. CNR OF CARSLON AND LOR RAY DRIVE





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CITY OF NORTH MANKATO

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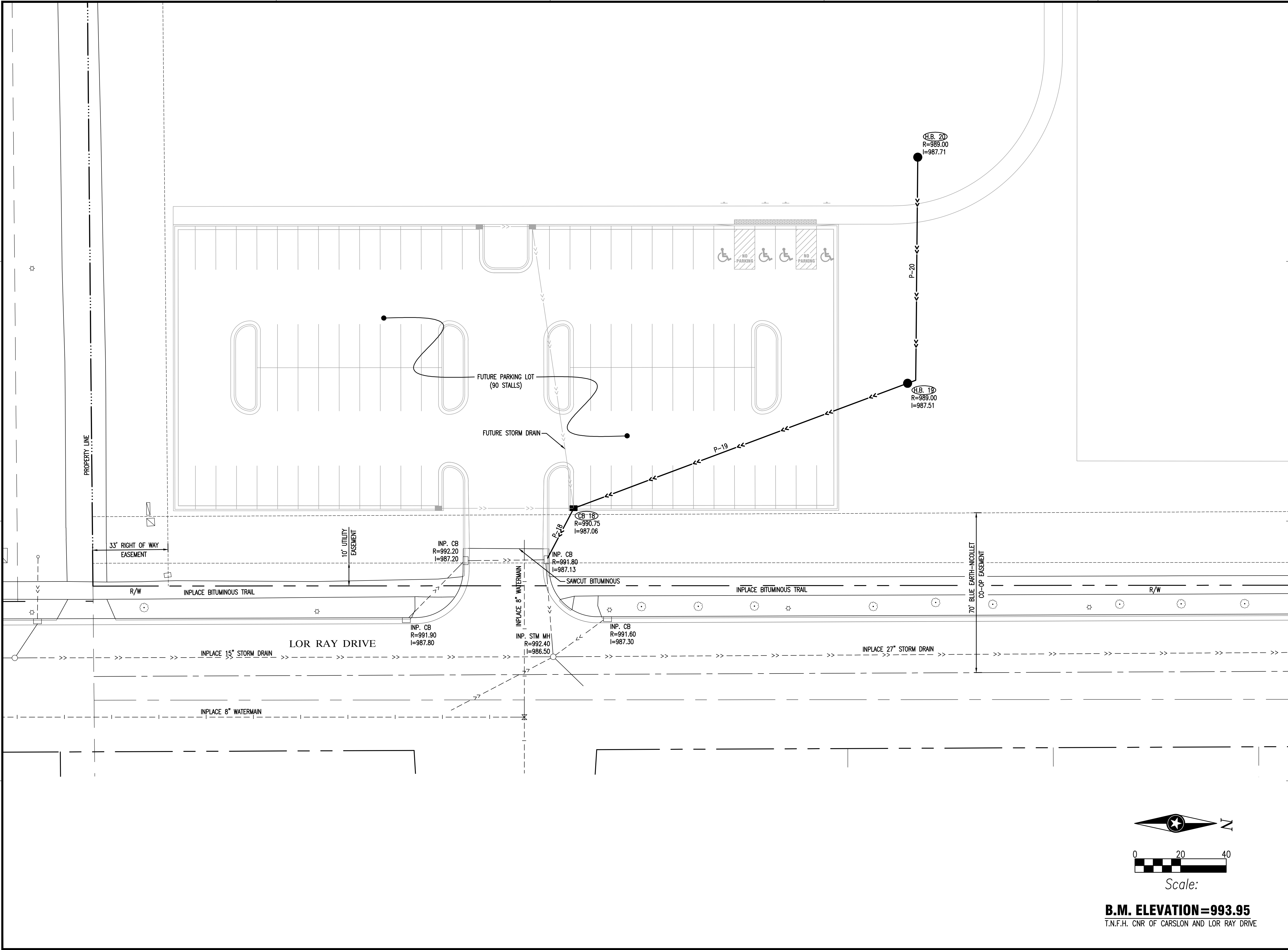
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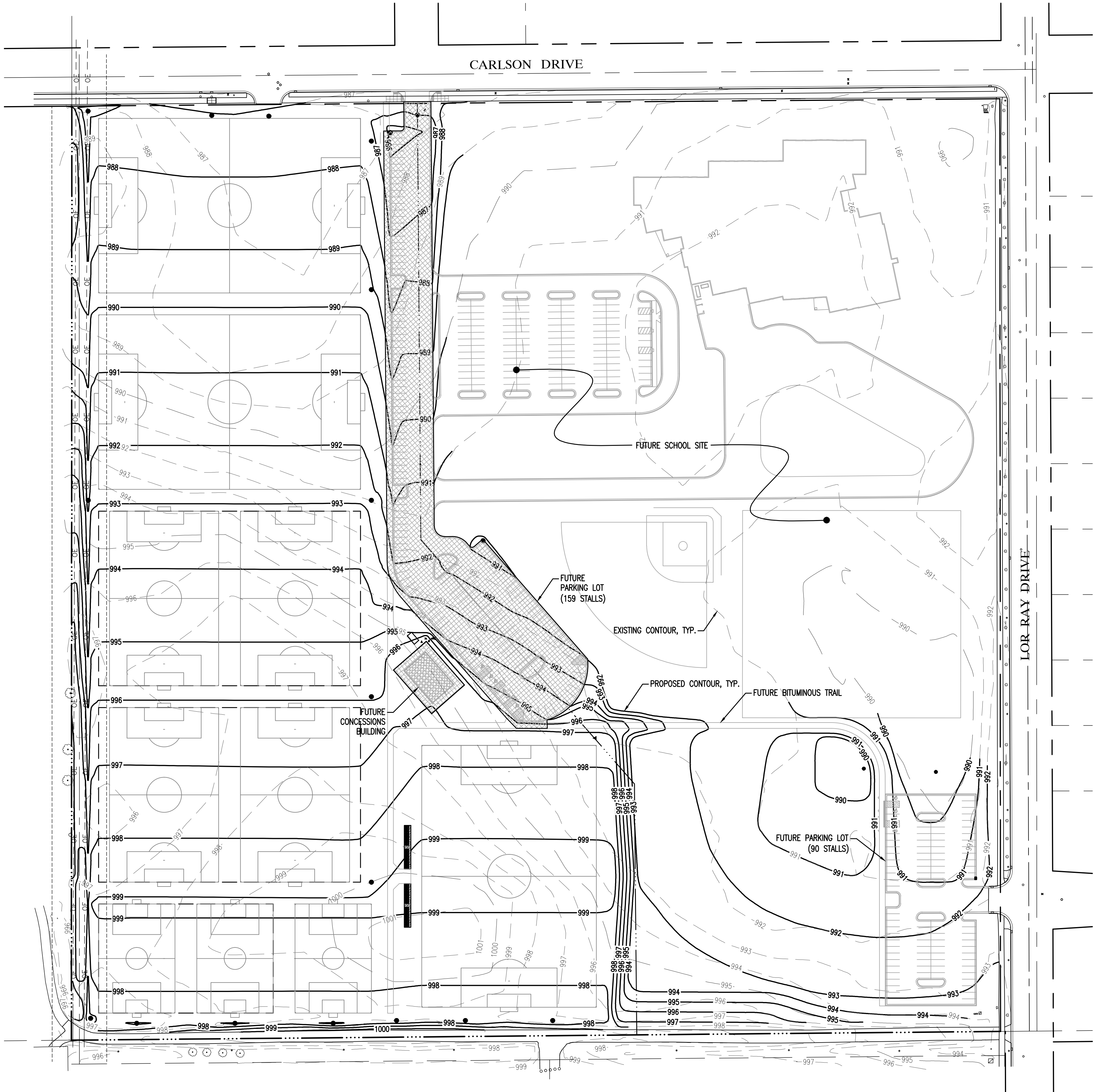
SITE UTILITY PLAN  
(EAST PARKING LOT)

SHEET

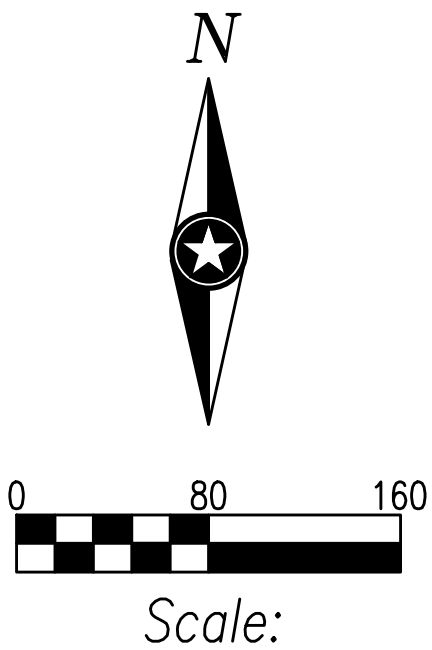
C2.15







AREA TO BE CORRECTED  
(STRIPPED OF TOPSOIL FOR FUTURE BUILDING  
AND PARKING LOT. 6" OF TOPSOIL SHALL BE  
PLACED OVER THESE AREAS. A MINIMUM OF 8"  
SHALL BE PLACED IN ALL OTHER AREAS.)



**B.M. ELEVATION=993.95**  
T.N.F.H. CNR OF CARSLON AND LOR RAY DRIVE

**GENERAL GRADING NOTES:**

EXCAVATED MATERIAL SHALL BE COMPACTED TO 95% PROCTOR DENSITY ON ALL BUILDING PADS. REFER TO THE MNDOT QUALITY COMPACTION METHOD IN ALL OTHER AREAS.

A MINIMUM OF 15" OF TOPSOIL SHALL BE STRIPPED PRIOR TO PLACING MATERIAL IN EMBANKMENT AREAS.

ALL AREAS SHALL BE DRESSED WITH A MINIMUM OF 8" OF TOPSOIL EXCEPT FUTURE PARKING AND BUILDING.

COMMON EXCAVATION: 21,186 C.Y.

BORROW PIT MATERIAL: 8,646 C.Y.

TOPSOIL STRIP  
(IN EMBANKMENT AREAS) 1,407 C.Y.

**GENERAL GRADING NOTES**

\* A SHRINK FACTOR OF 1.15 WAS APPLIED TO ALL CLAY EXCAVATIONS AND A FACTOR OF 1.20 WAS APPLIED TO ALL TOPSOIL EXCAVATIONS (INCLUDING TOPSOIL STRIP QUANTITY)

NO WARRANTY IS MADE OR IMPLIED AS TO THE ACCURACY, SUFFICIENCY OR RELIABILITY OF SHRINKAGE FACTORS.

THE SITE BALANCE PROVIDED ABOVE IS FOR INFORMATIONAL PURPOSES. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL QUANTITIES PRIOR TO SUBMITTING A BID FOR THE PROJECT.

PRIOR TO COMMON BORROW BEING HAULED INTO THE SITE, SHRINKAGE FACTORS AND THE NEED FOR COMMON BORROW SHALL BE VERIFIED BY THE CONTRACTOR.



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PROJECT

**CASWELL PARK NORTH  
SOCCER COMPLEX**

NORTH MANKATO MINNESOTA

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PROJECT NO. 06-11741

CAD FILE NAME 11741 SITE

DESIGNED BY CJB

DRAWN BY BDT

REVIEWED BY JP

ISSUE DATE 04-28-11

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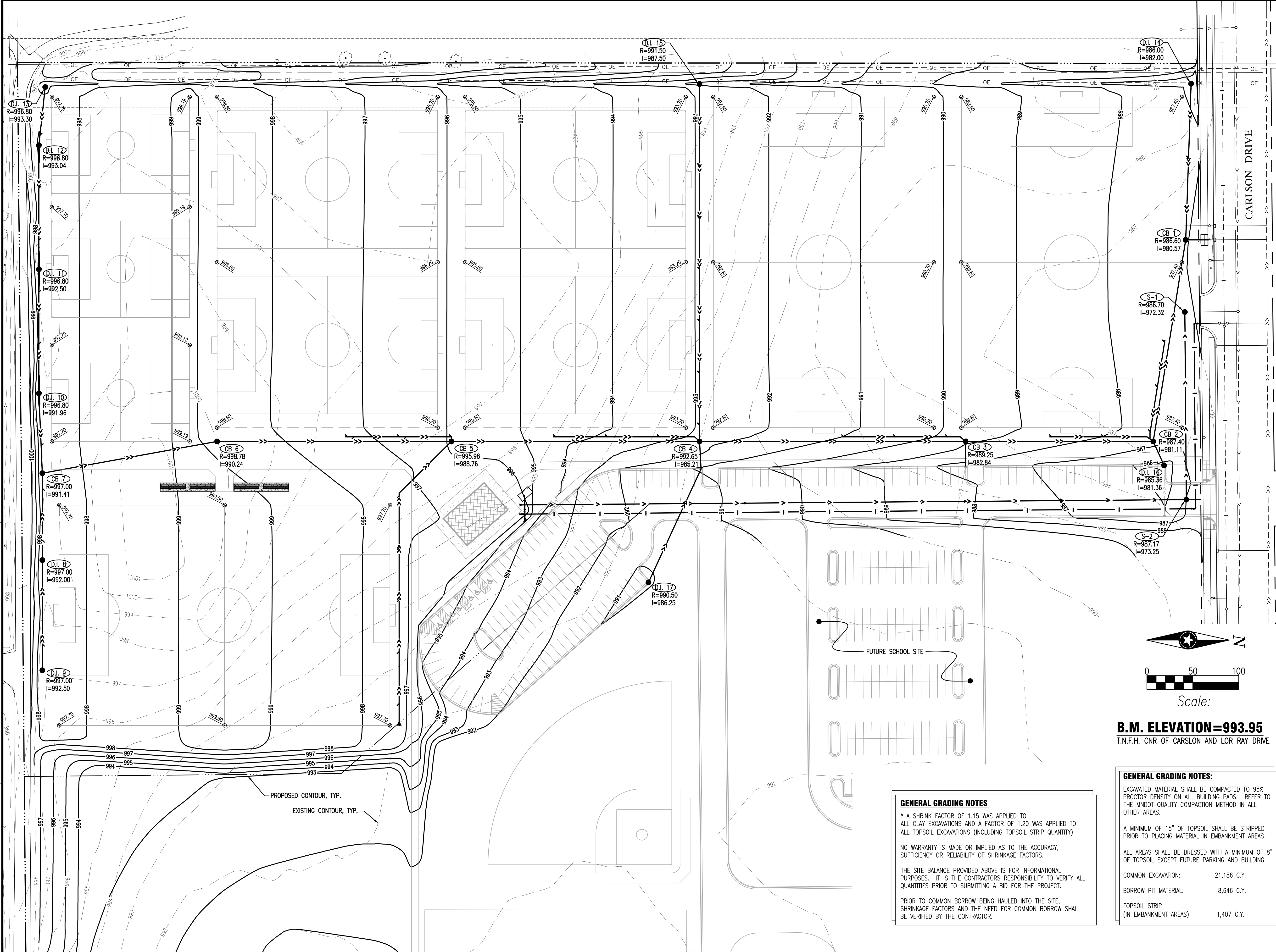
TITLE

**OVERALL GRADING PLAN**

SHEET

**C3.11**





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PROJECT

CASWELL PARK NORTH  
SOCCER COMPLEX

NORTH MANITO MINNESOTA

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ISSUE DATE	04-28-11

CLIENT PROJECT NO.

TITLE

FIELD GRADING PLAN

SHEET

C3.12

GENERAL GRADING NOTES

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GENERAL GRADING NOTES:

A MINIMUM OF 15" OF TOPSOIL SHALL BE STRIPPED PRIOR TO PLACING MATERIAL IN EMBANKMENT AREAS.

ALL AREAS SHALL BE DRESSED WITH A MINIMUM OF 8" OF TOPSOIL EXCEPT FUTURE PARKING AND BUILDING.

COMMON EXCAVATION:	21,186 C.Y.
BORROW PIT MATERIAL:	8,646 C.Y.
TOPSOIL STRIP (IN EMBANKMENT AREAS)	1,407 C.Y.





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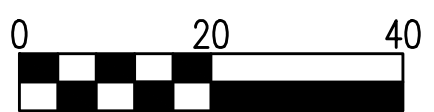
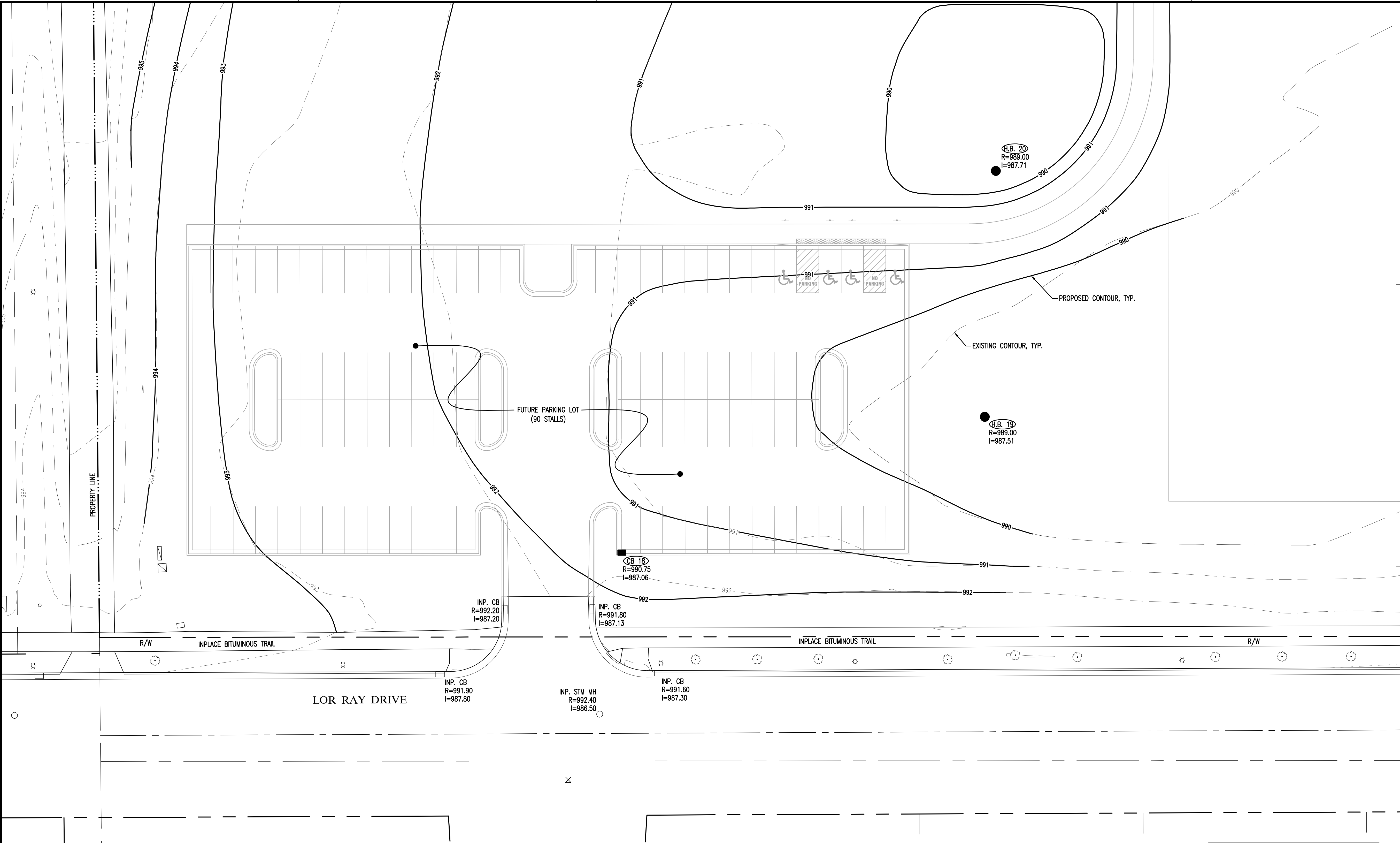
CLIENT PROJECT NO.

TITLE

SITE GRADING PLAN  
(EAST PARKING LOT)

SHEET

C3.13



Scale:

B.M. ELEVATION=993.95

T.N.F.H. CNR OF CARSLON AND LOR RAY DRIVE

GENERAL GRADING NOTES

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PRIOR TO COMMON BORROW BEING HAULED INTO THE SITE, SHRINKAGE FACTORS AND THE NEED FOR COMMON BORROW SHALL BE VERIFIED BY THE CONTRACTOR.

GENERAL GRADING NOTES:

EXCAVATED MATERIAL SHALL BE COMPACTED TO 95% PROCTOR DENSITY ON ALL BUILDING PADS. REFER TO THE MNDOT QUALITY COMPACTION METHOD IN ALL OTHER AREAS.

A MINIMUM OF 15" OF TOPSOIL SHALL BE STRIPPED PRIOR TO PLACING MATERIAL IN EMBANKMENT AREAS.

ALL AREAS SHALL BE DRESSED WITH A MINIMUM OF 8" OF TOPSOIL EXCEPT FUTURE PARKING AND BUILDING.

COMMON EXCAVATION: 21,186 C.Y.

BORROW PIT MATERIAL: 8,646 C.Y.

TOPSOIL STRIP  
(IN EMBANKMENT AREAS) 1,407 C.Y.





CITY OF NORTH MANKATO

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PROJECT

**CASWELL PARK NORTH  
SOCCER COMPLEX**

NORTH MANKATO MINNESOTA

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PROJECT NO. 06-11741

CAD FILE NAME 11741 SITE

DESIGNED BY CJB

DRAWN BY BDT

REVIEWED BY JP

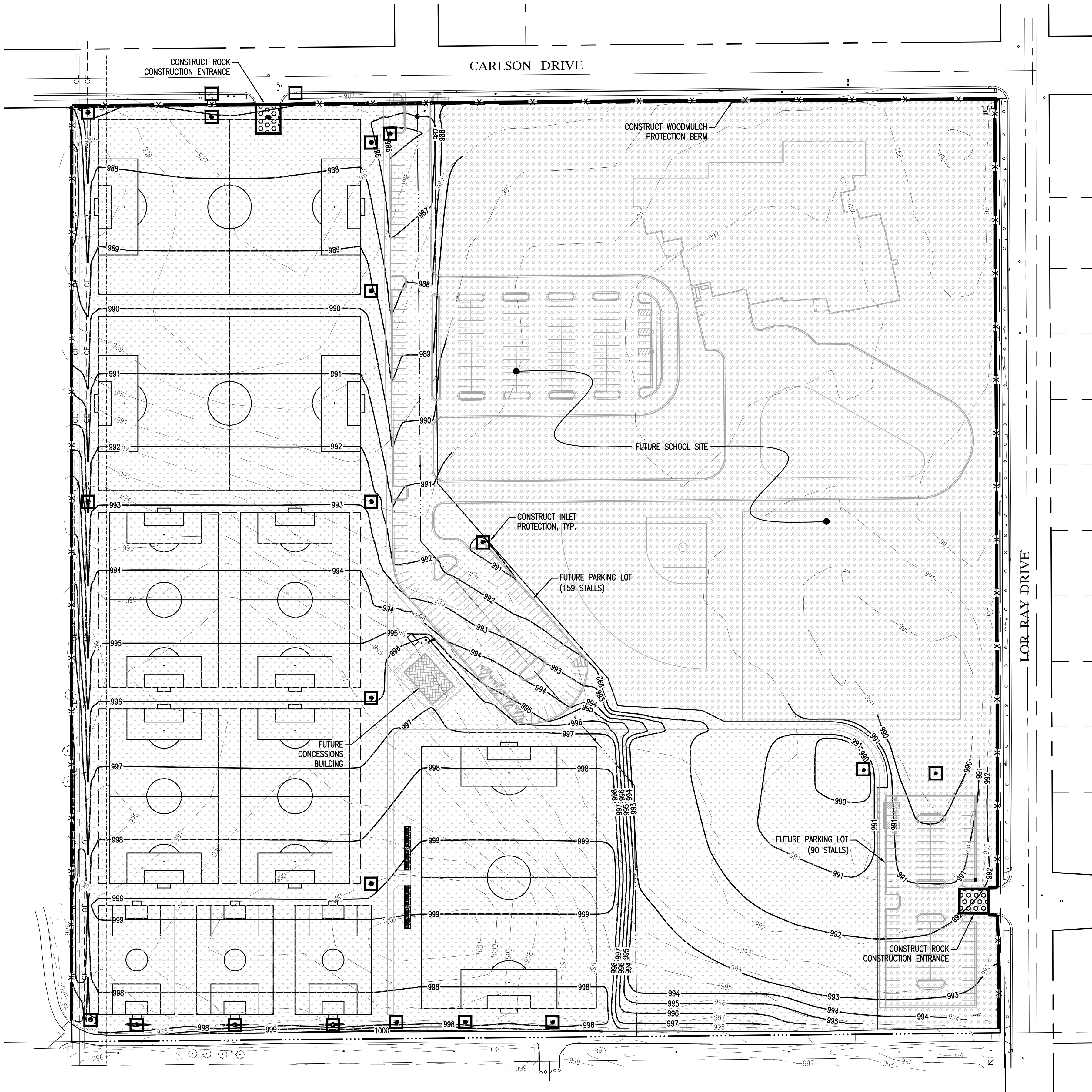
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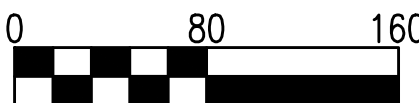
TITLE  
**STORM WATER  
POLLUTION  
PREVENTION PLAN  
(SWPPP)**

SHEET

**C4.11**



N



Scale:

**B.M. ELEVATION=993.95**

T.N.F.H. CNR OF CARSLON AND LOR RAY DRIVE

**SWPPP QUANTITIES**

		QUANTITY
	ROCK CONSTRUCTION ENTRANCE	2 EA
	WOODCHIP PROTECTION BERM	5,222 LF
	CONCRETE WASHOUT AREA (PLACEMENT BY CONTRACTOR)	1 EA
	INLET PROTECTION	20 EA
	SEED (ATHLETIC/HIGH TRAFFIC SEED MIX)	21.75 AC
	COVER CROP (BY CITY OF NORTH MANKATO)	15.50 AC

\*WOODCHIPS WILL BE PROVIDED BY THE CITY OF NORTH MANKATO. CONTRACTOR TO DELIVER TO SITE.



STORM WATER POLLUTION PREVENTION PLAN NOTES:

GENERAL PROJECT INFORMATION:

PROJECT NARRATIVE:

This project consists of the construction of a soccer field complex including utilities, grading and irrigation.

RESPONSIBLE PARTIES:

Contractor and Owner are required to apply for and receive a National Pollution Discharge Elimination System (NPDES) Stormwater Construction Permit from the MPCA at least 7 days prior to beginning work.

Contractor and owner shall identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMP's who will oversee the implementation of the SWPPP.

Company: Contact Person: Phone:

Company: Contact Person: Phone:

Owner shall identify the entity responsible for the long term Operation and Maintenance of the storm water management system.

Company: Contact Person: Phone:

PROJECT AREAS:

Total project size (disturbed area) = 37.23 acres  
Minimum area requiring MPCA permit = 1.00 acres  
**\*\*PROJECT DOES REQUIRE AN MPCA NPDES PERMIT\*\***  
Existing area of impervious surface = 0.16 acres  
Proposed area of impervious surface = 0.03 acres  
Post construction area of impervious surface = 0.19 acres  
Future planned impervious surface = 1.47 acres

Total new impervious surface area created = 0.03 acres

Minimum area of new impervious surface created requiring permanent storm water management = 1.00 acres

STORM WATER MANAGEMENT:

Types of permanent storm water management that will be used if more than one acre of new impervious surface is created are checked below:  
☐ Wet sedimentation basin ☐ Infiltration / Filtration  
☒ Regional Pond – Benson Park Pond ☐ Alternative methods

Dead Storage Required: 0.26 acre–feet  
Dead Storage Provided: 11.31 acre–feet  
Elevation of Maintained Water: 997.60  
Water Quality Volume: 0.12 acre–feet  
Elevation of Water Quality Volume Storage: 977.63  
Surface Area at Water Quality Volume Storage: 4.00 acres  
Allowable Discharge for Water Quality Volume: 22.64 cfs  
Designed Discharge for Water Quality Volume: 0.11 cfs

RECEIVING WATERS:

Surface waters which will receive storm water from the site within 1 mile of project boundary. Include waters shown on USGS 7.5 minute quad and all waters identified in Appendix A of the permit.

Name of Water Body	Type (ditch, pond, wetland, lake, etc.)	Appendix A Special or Impaired Water?
Benson Park Pond	Pond	No

Additional BMPs together with enhanced runoff controls are required for discharges to Special or Impaired waters within 1 mile of the site. (See Appendix A)

CONSTRUCTION ACTIVITY NOTES:

EROSION PREVENTION:

Construction of silt fence and all other erosion control measures shall be complete before other construction activity occurs.

Use phased construction wherever practical and establish turf as soon as possible to minimize sediment transport.

Turf establishment or temporary seeding of all exposed soil not being actively worked should be practiced following the table below:

Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours after connection to a surface water.

Type of Slope or Disturbance Area	Time Area can Remain Open Without Being Actively Worked	
	Normal Water	Special / Impaired Water
Steeper than 3:1	14 days	7 days
10:1 to 3:1	14 days	7 days
Flatter 10:1	14 days	7 days
Ditches	14 days	7 days
Pipe Ends	1 day	1 day
Within 200 Feet of Surface Water	1 day	1 day

All exposed soils shall be seeded or sodded at the earliest possible time to prevent/reduce erosion.

A. Seed shall be Athletic/High Traffic seed mix containing 50% Kentucky Bluegrass varieties by weight and 50% Perennial Ryegrass composition. The Kentucky Bluegrass portion shall be a blend of two to four vigorous growing varieties and the Perennial Ryegrass portion shall be a single variety or a blend of two cold–tolerant varieties. Seed shall be placed at a rate of 260 lbs/acre and in accordance with MnDOT 2575. Seed shall meet MnDOT Specification 3876. Mulch shall be MnDOT 3882 Type 3 mulch. Mulch shall be applied at a rate of 2.0 tons/acre. Mulch shall be disk anchored. Fertilizer shall be applied to seeded areas incidental to seeding. Fertilizer shall be a 22–5–10 (%n–p–k) applied at a rate of 300 lb/acre.

Additional erosion prevention measures may be found in the permit and MPCA's Best Management Practices.

SEDIMENT CONTROL PRACTICES:

Construction of silt fence and all other erosion control measures shall be complete prior to land disturbing activities occur.

A rock construction entrance or other approved alternative must be constructed at the entry point to the project site. Rock construction entrance must be 40'x25' (min.) of 2" – 4" crushed rock, 8" deep.

Inlet erosion protection shall be installed and maintained until turf or pavement has been established.

The contractor shall be responsible to control erosion from leaving the construction zone. All eroded material that leaves the construction zone shall be collected by the contractor and returned to the site at the contractor's expense.

All streets must be swept when any tracking occurs.

Silt fence or other effective erosion control measures must be installed around the perimeter of any soil stockpiled, including temporary stockpiles, at this location or any other on the project site. Stockpiles cannot be placed in surface waters, including storm water conveyances such as curb and gutter systems, or conduits and ditches.

Perimeter control shall be installed along the back of curb immediately following curb installation at all locations with positive drainage to parking lot and/or streets, and remaining until stabilization is achieved. This shall be accomplished through the use of silt fence. (Biorolls, Rock logs, or other methods approved by the engineer prior to installation shall also be placed acceptable)

CONSTRUCTION ACTIVITY NOTES:

DEWATERING AND BASIN DRAINING:

Dewater sediment–laden water to sedimentation basins if possible, or use other BMP's to prevent erosion when discharging to surface waters. Use appropriate energy dissipation measures on all discharges.

Dewatering practices cannot cause nuisance conditions, erosion or in receiving channels or inundation of wetlands resulting in adverse impacts.

POLLUTION PREVENTION:

All solid waste collected from the construction site must be disposed in accordance with all applicable regulations.

All hazardous materials (oil, gasoline, fuel, paint, etc) must be properly stored to prevent spills, leaks or other discharge, storage areas shall provide secondary containment and a hazardous materials spill kit. Storage and disposal of hazardous waste must be in compliance with all applicable regulations.

Equipment maintenance areas must be limited to a defined area of the site. All runoff containing any hazardous material must be properly collected and disposed.

The contractor is responsible for monitoring air pollution and ensuring it does not exceed levels set by local, state, or federal regulations. This includes dust created by work being performed on the site. Air pollution and dust control correction is considered incidental to the unit bid prices for which work is being performed. Additional dust control measures may be required by the Engineer.

Concrete washout onsite: All liquid and solid wastes generated by concrete washout operations must be contained in a leak–proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations or areas. Liquid and solid wastes must be disposed of properly and in compliance with MPCA regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.

INSPECTION AND MAINTENANCE:

The Permittees must routinely inspect the construction site once every seven (7) days during active construction and within 24 hours of a rainfall event greater than 0.5 inches in a 24 hour period.

All inspections performed during construction must be recorded and records retained with the SWPPP in accordance with the Stormwater Permit.

Contractor is responsible for keeping a record of all rainfall information & erosion control maintenance until final establishment of turf.

All silt fences must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 1/3 of the height of the fence.

Erosion control, and other BMP's must be replaced, repaired, or supplemented when they reach 33% design load.

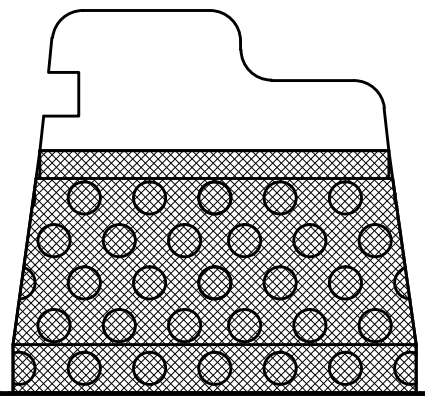
See MPCA website for example of SWPPP inspection and maintenance forms.  
<http://www.pcs.state.mn.us/publications/wq–strm2–75.pdf>

FINAL STABILIZATION:

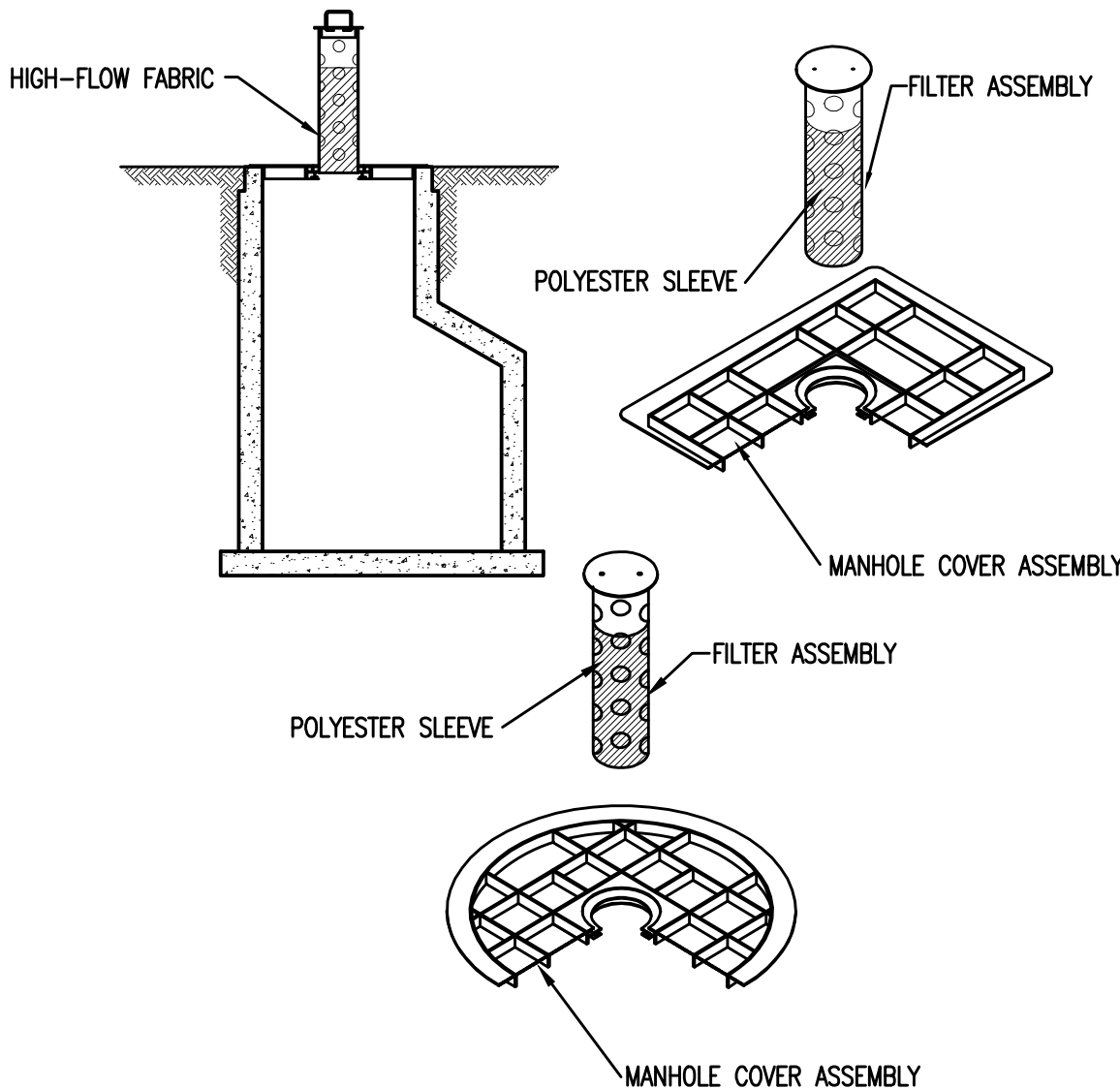
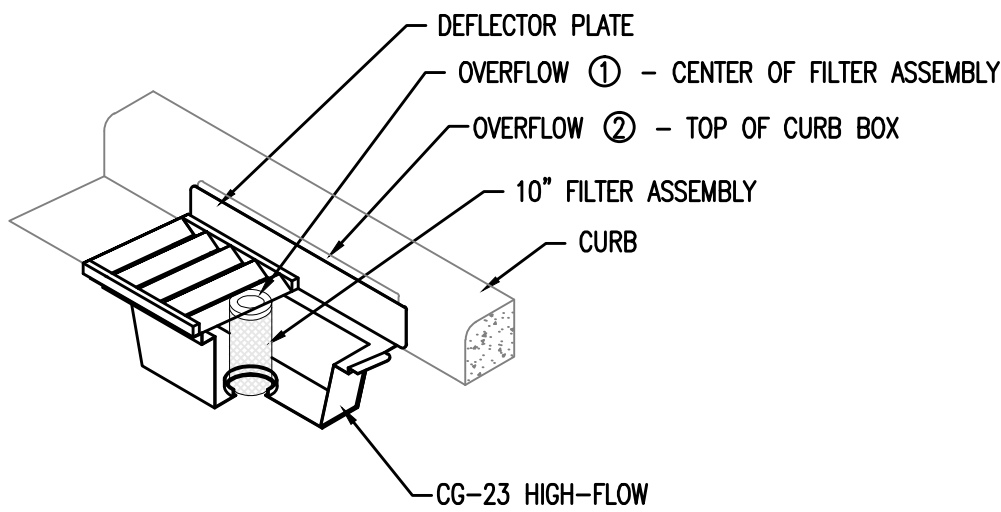
The Permittees must ensure final stabilization of the site. The Permittees must submit a notice of termination within 30 days after final stabilization is complete or control has been passed to another owner.

All temporary erosion control measures and BMP's must be removed as part of the final site stabilization.

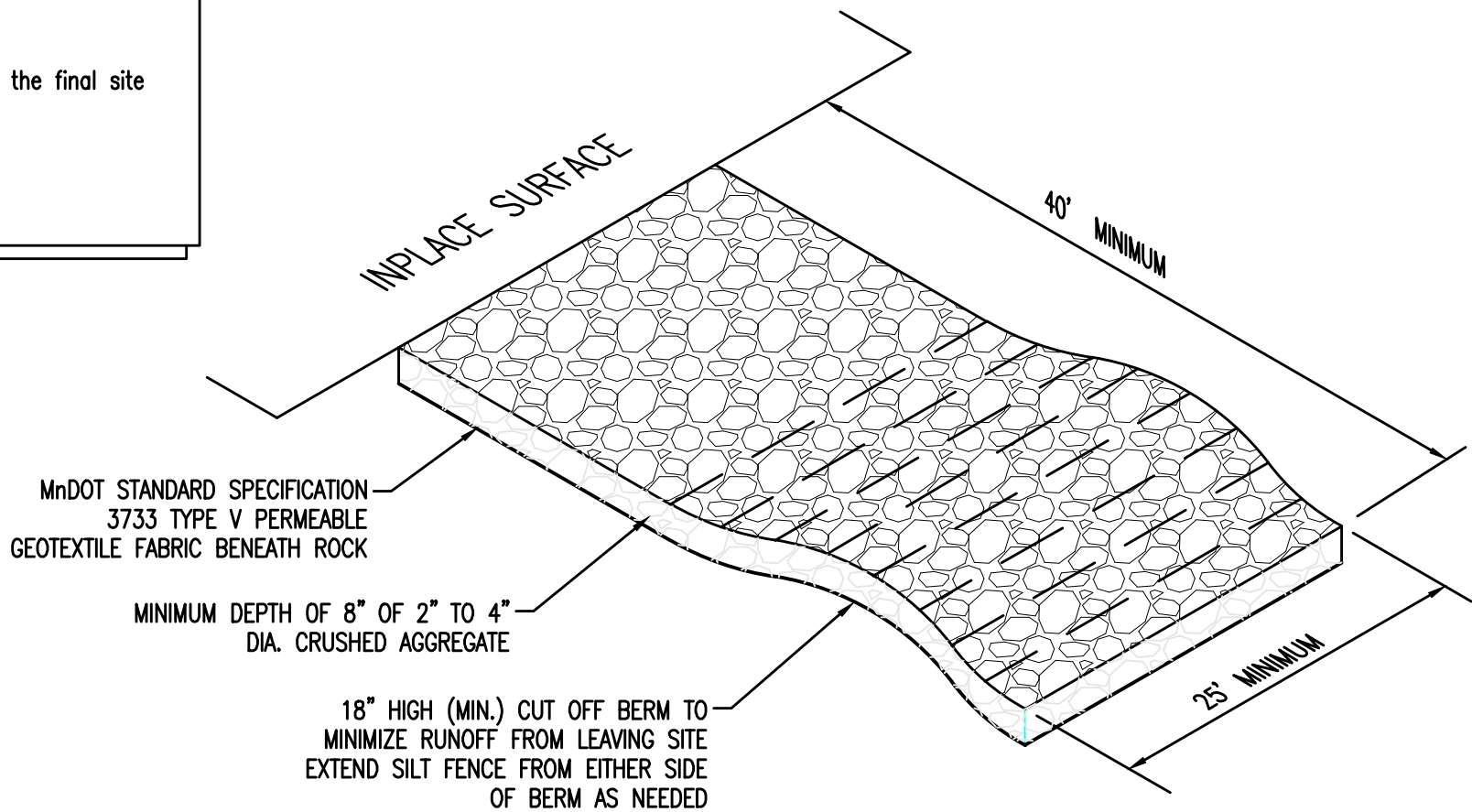
The storm water permit further defines final stabilization and its requirements.



27" INFRA SAFE SEDIMENT CONTROL BARRIER-DG INLET PROTECTION FOR DITCH GRATE INLET CASTINGS  
N.T.S.



RD-23 INLET PROTECTION FOR STORM CATCH BASINS  
N.T.S.



ROCK CONSTRUCTION ENTRANCE DETAIL  
N.T.S.



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Mankato, Minnesota: 507–387–6651  
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DATE: \_\_\_\_\_ LIC. NO. \_\_\_\_\_

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PROJECT

CASWELL PARK NORTH SOCCER COMPLEX

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
△		
△		
△		
△		
△		

PROJECT NO.	06–11741
CAD FILE NAME	11741 SITE
DESIGNED BY	CJB
DRAWN BY	BDT
REVIEWED BY	JP
ISSUE DATE	04–28–11

CLIENT PROJECT NO.

TITLE  
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SHEET

C4.12





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PROJECT

CASWELL PARK NORTH  
SOCCER COMPLEX

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
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PROJECT NO.	06-11741
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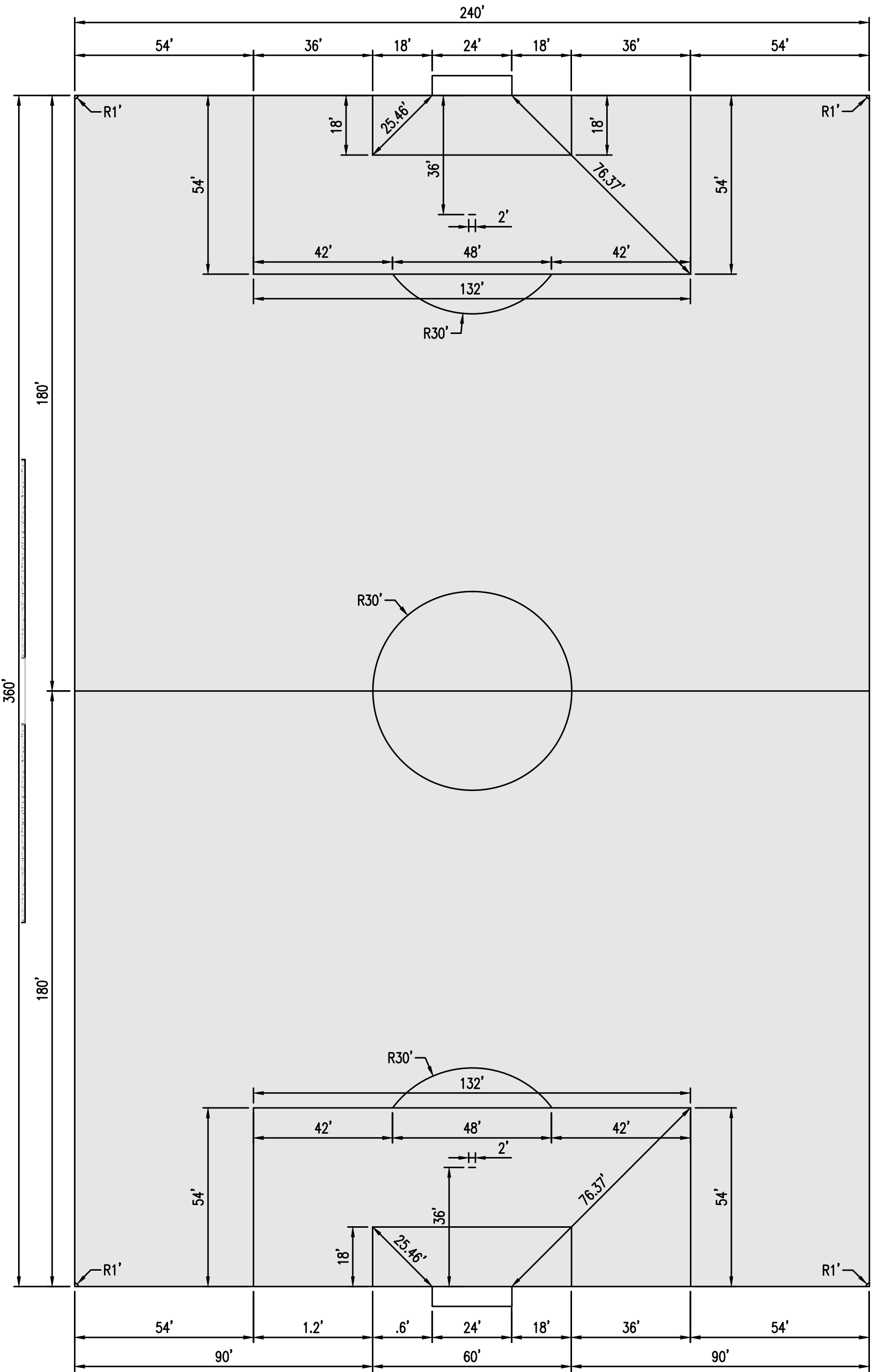
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TITLE

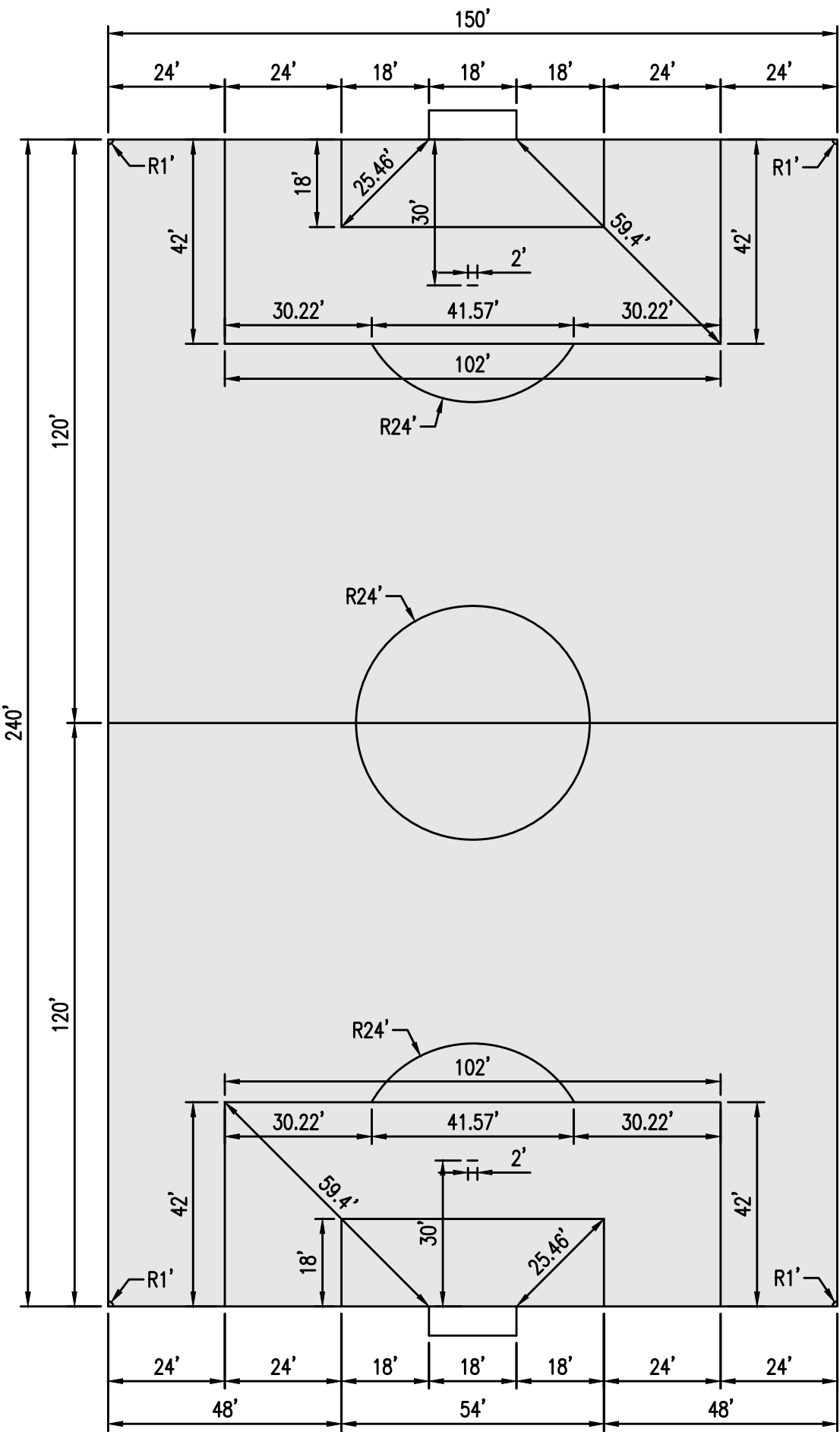
FIELD LINING PLAN

SHEET

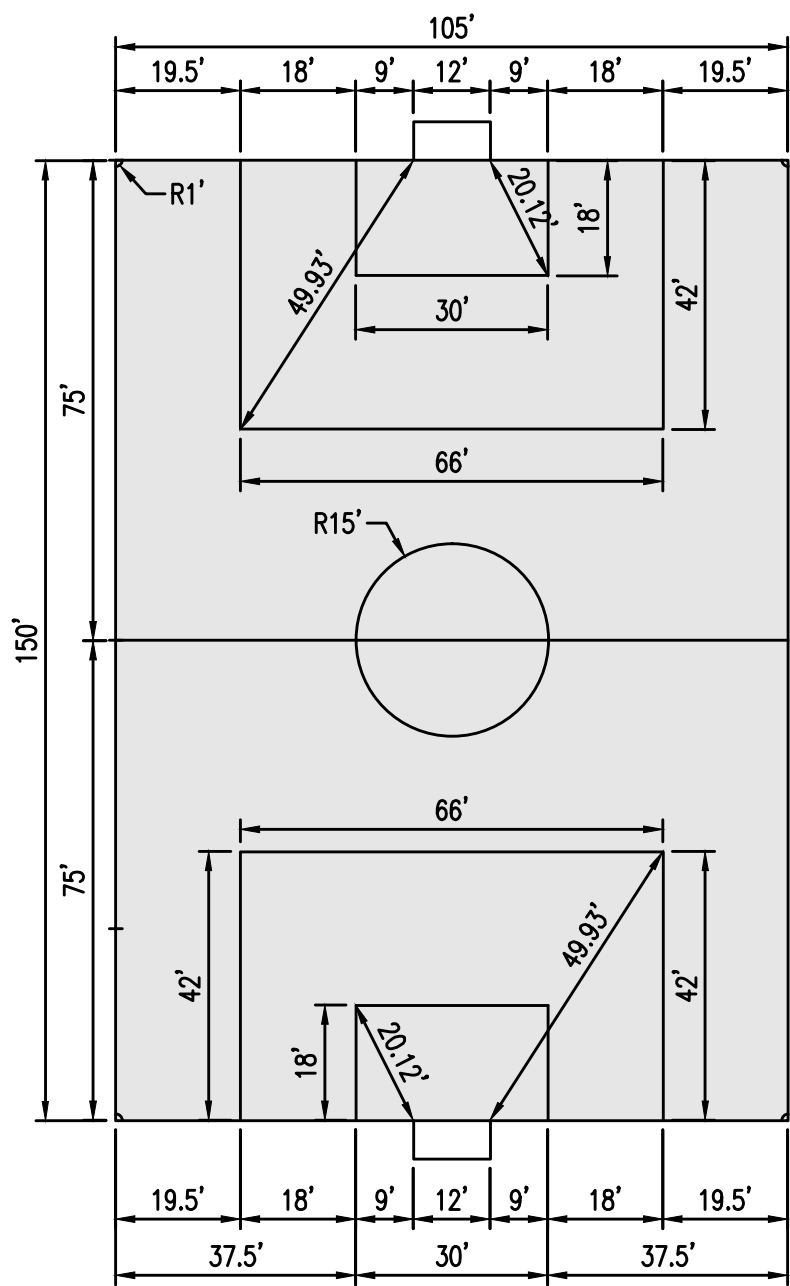
C5.11



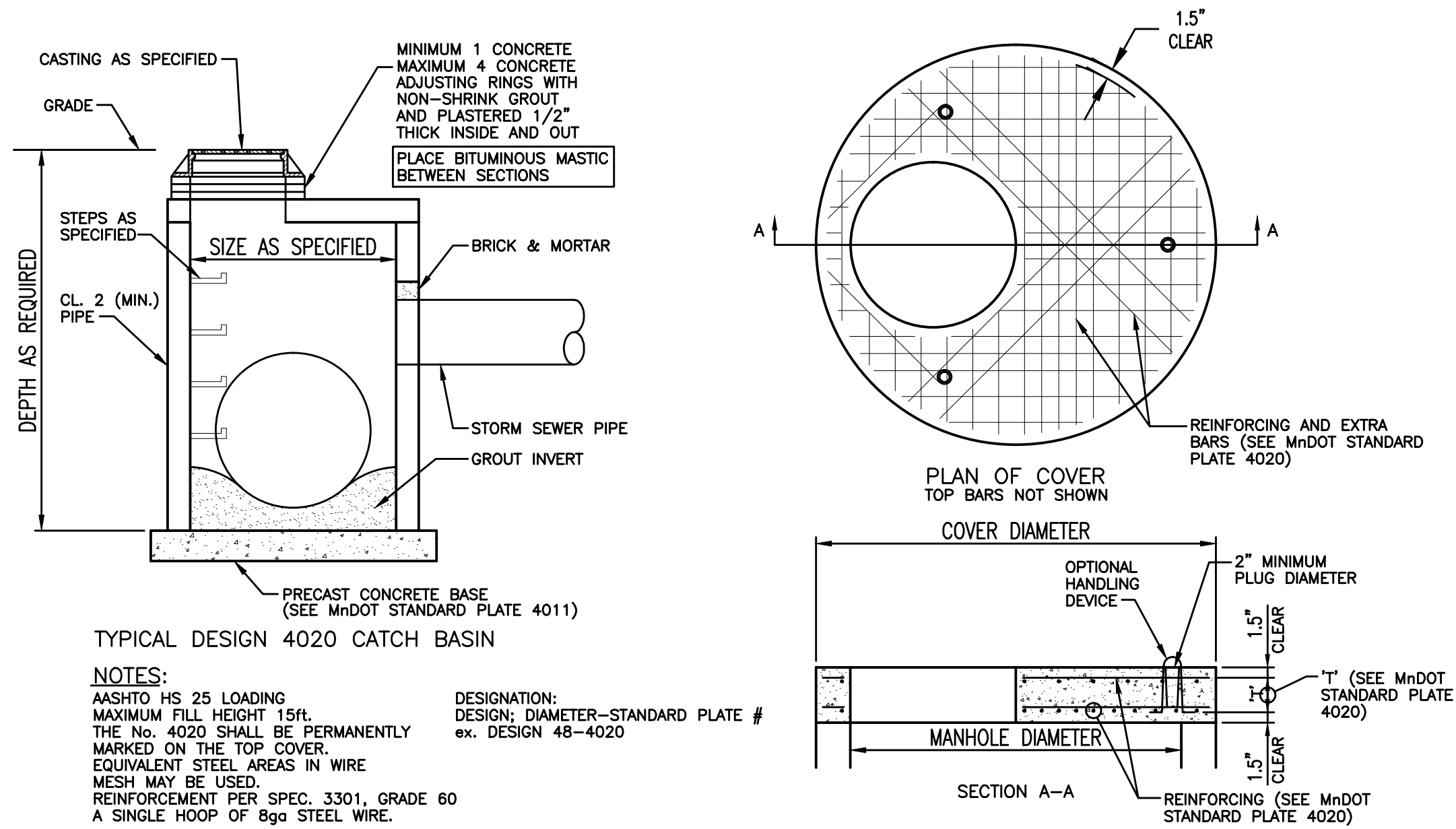
U13+ FIELD  
SCALE~1:30



U11/12 FIELD  
SCALE~1:30

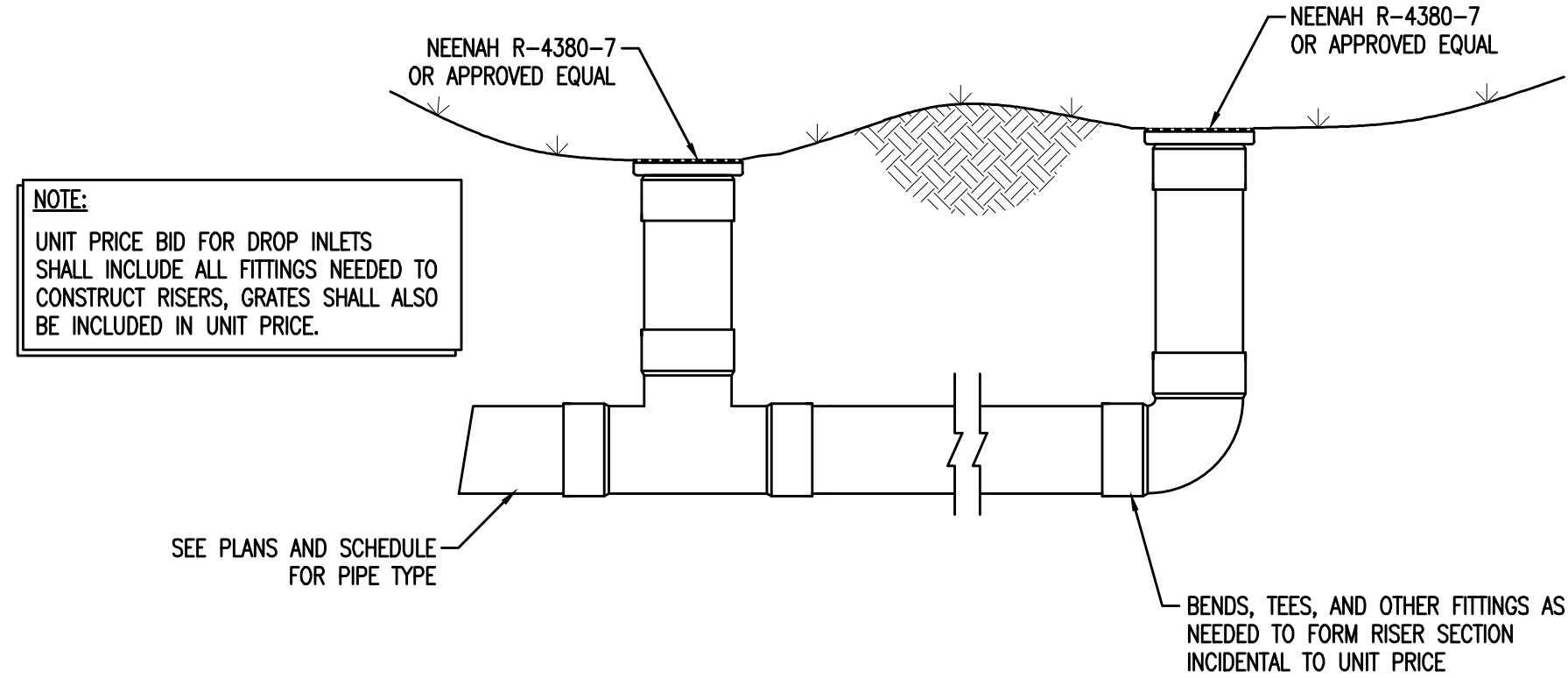


U9/10 FIELD  
SCALE~1:30



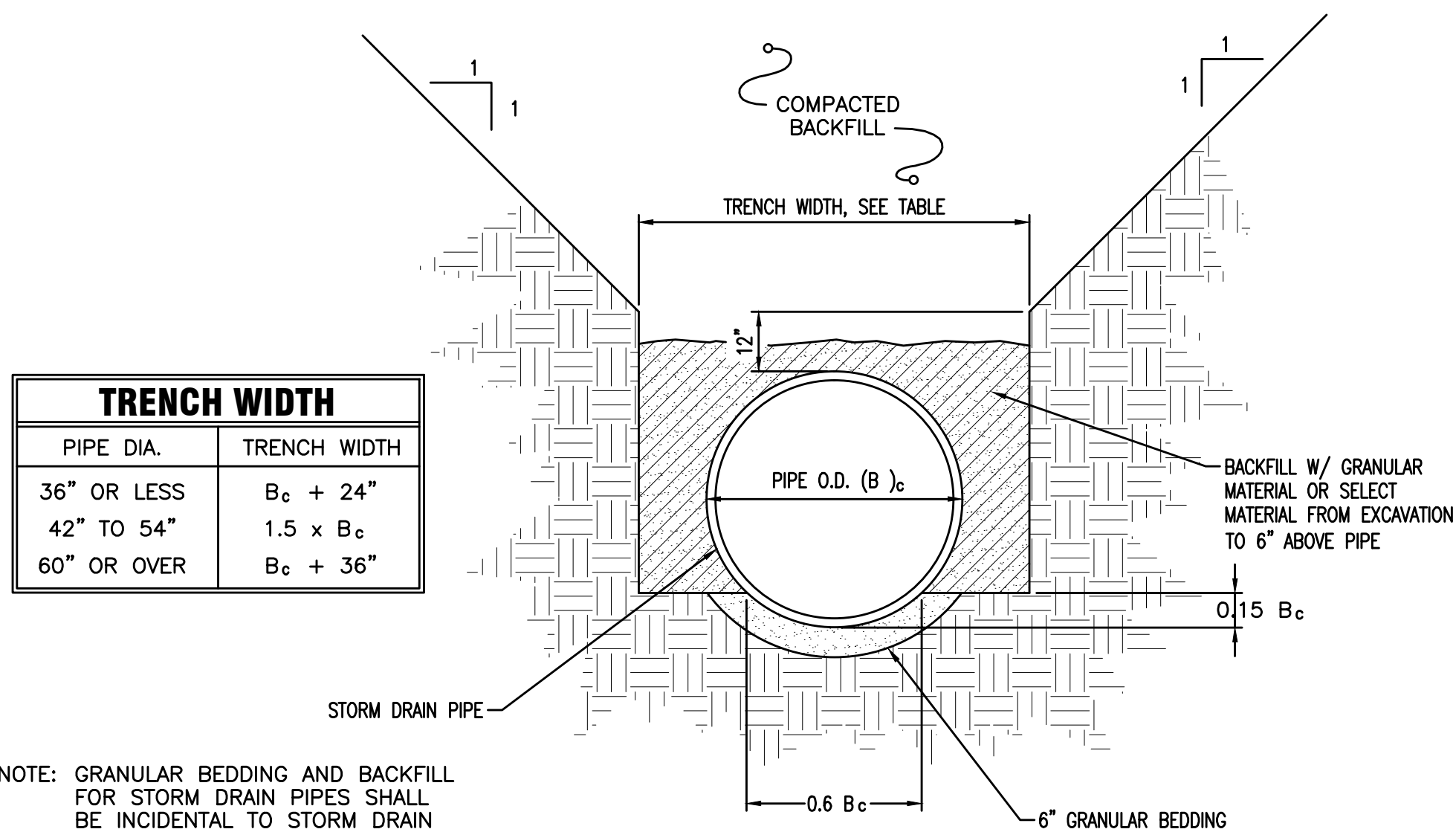
### 4020 MANHOLE OR CATCH BASIN

N.T.S.



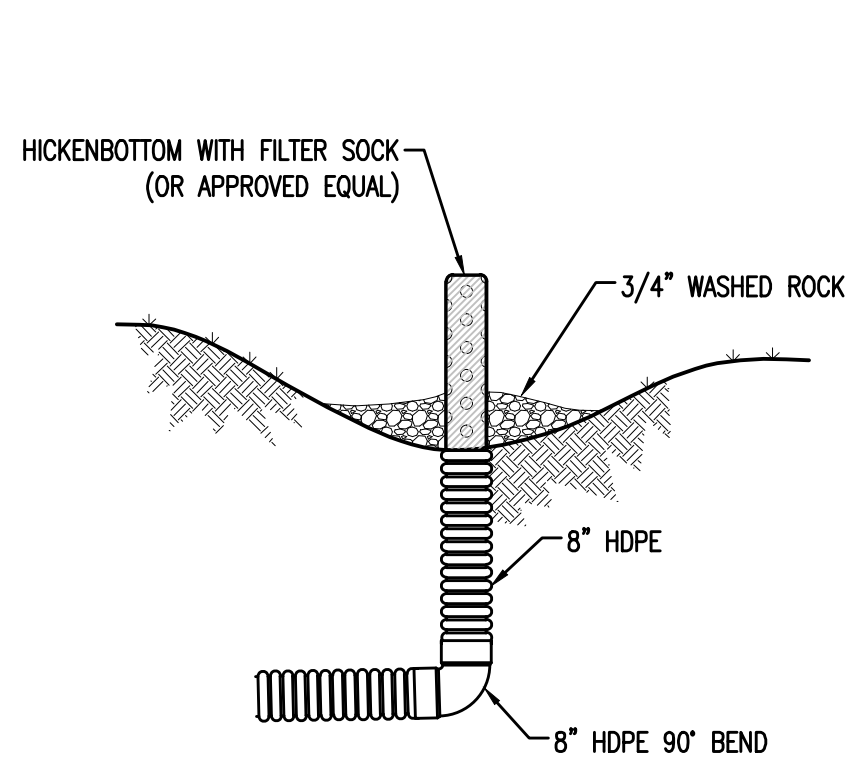
### 12" DROP INLET

N.T.S.



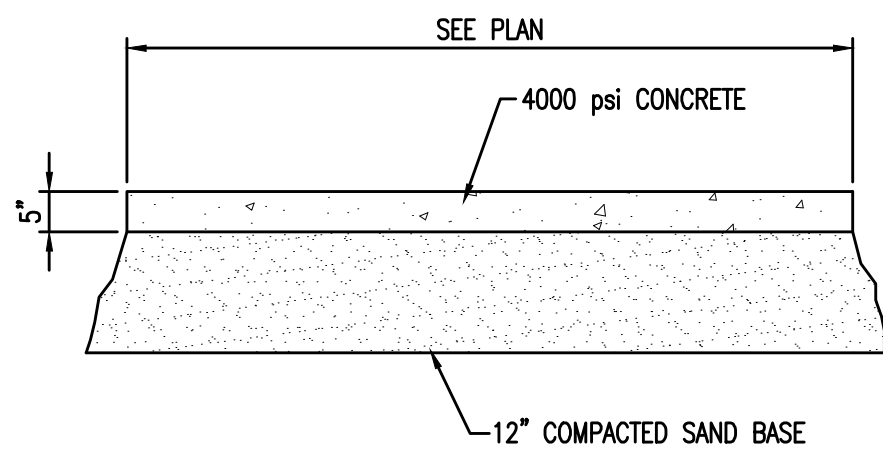
### STORM DRAIN PIPE BEDDING

N.T.S.



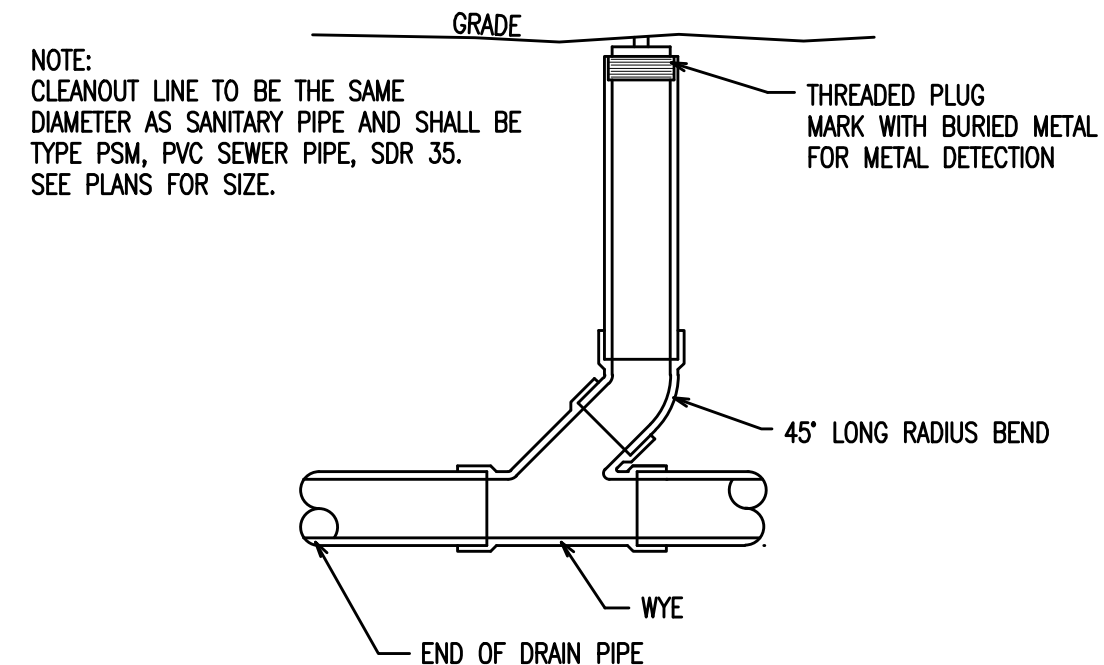
### HICKENBOTTOM DETAIL

N.T.S.



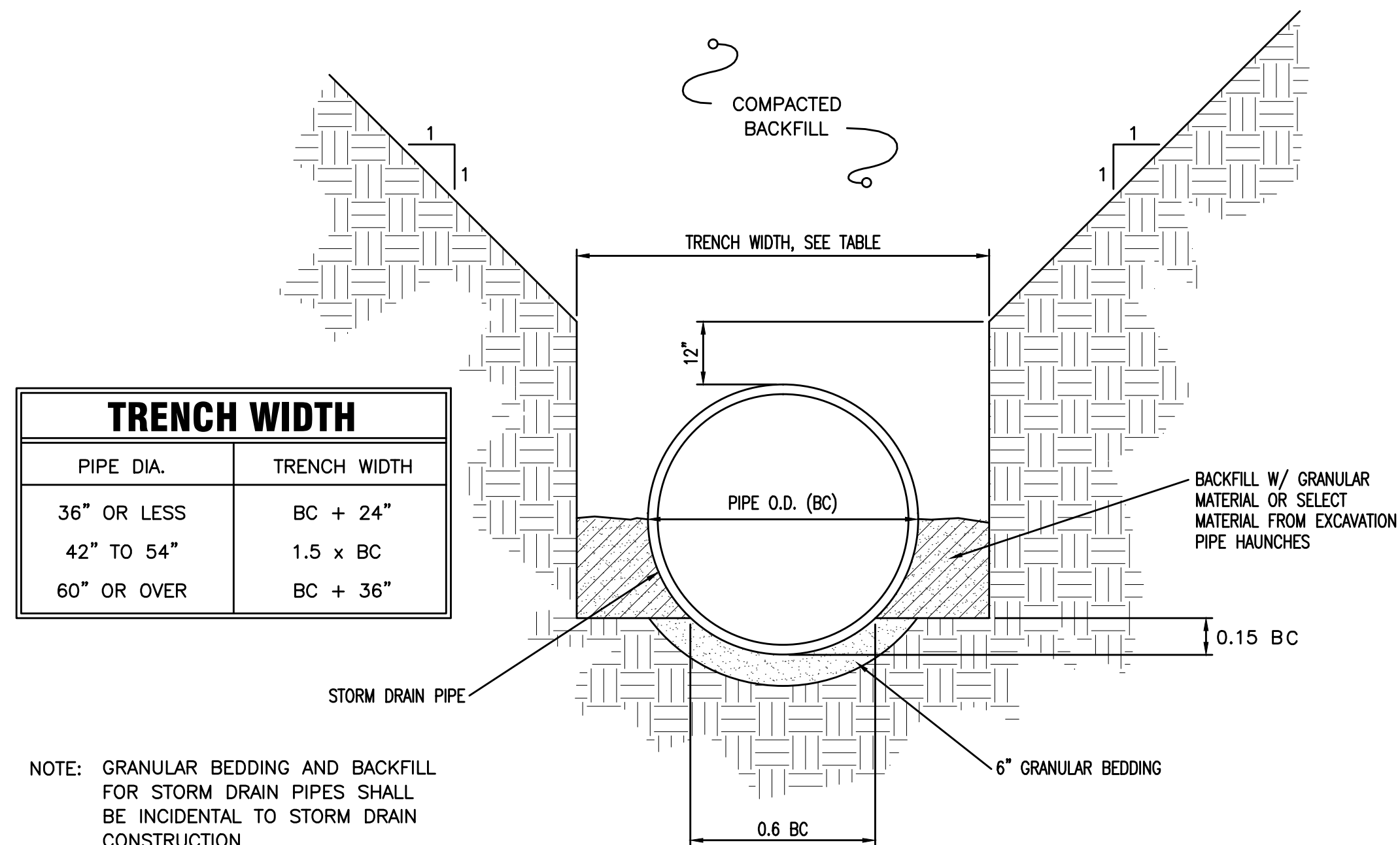
### CONCRETE WALK SECTION

N.T.S.



### CLEAN OUT

N.T.S.



### RCP STORM DRAIN PIPE BEDDING

N.T.S.



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### PROJECT

### CASWELL PARK NORTH SOCCER COMPLEX

NORTH MANKATO MINNESOTA

MARK	DATE	DESCRIPTION
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▲		
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▲		

PROJECT NO.	06-11741
CAD FILE NAME	11741 SITE
DESIGNED BY	CJB
DRAWN BY	BDT
REVIEWED BY	JP
ISSUE DATE	04-28-11

CLIENT PROJECT NO.

TITLE

### SITE DETAILS

SHEET

C5.12





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NORTH MANKATO MINNESOTA

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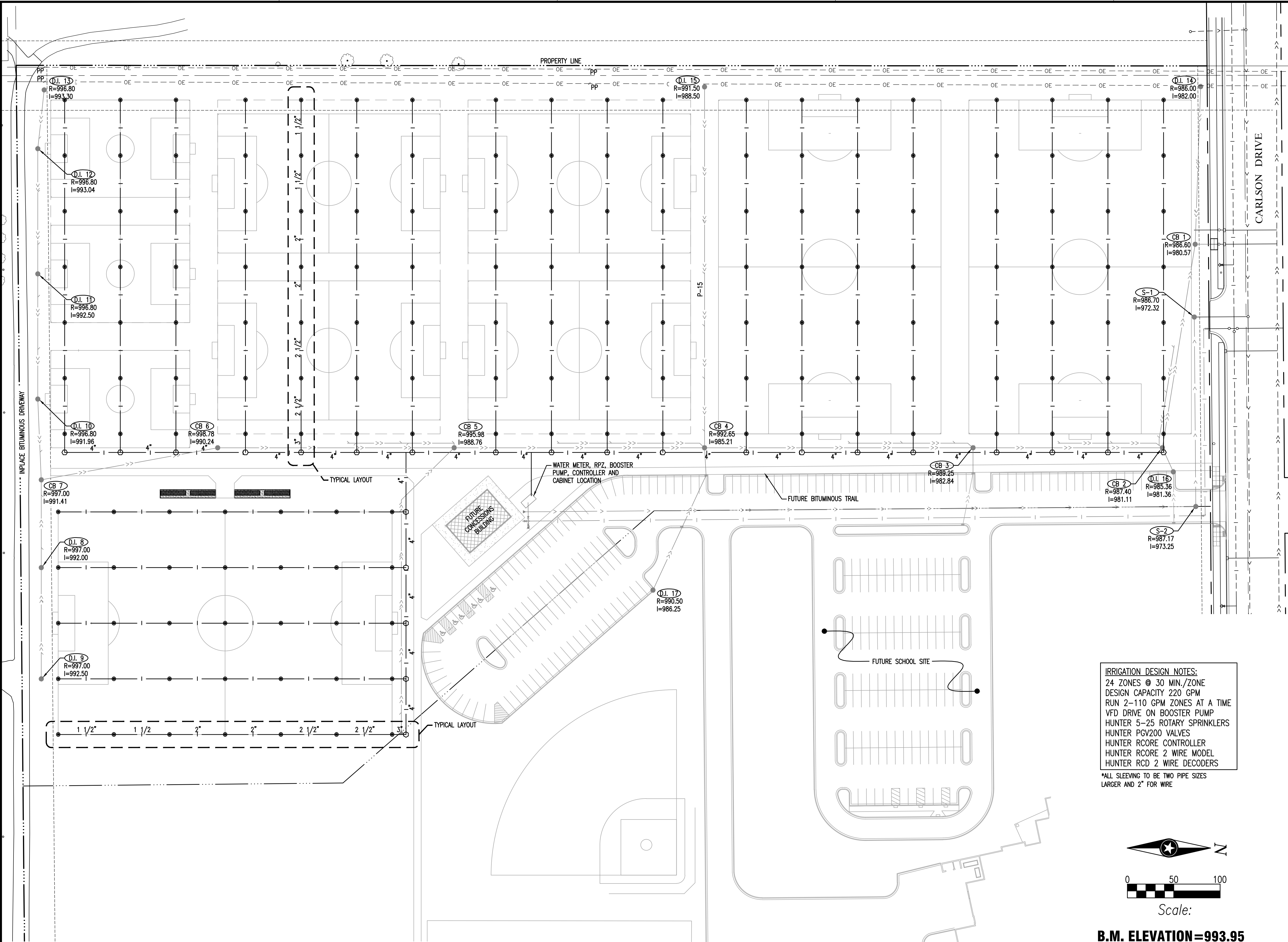
CLIENT PROJECT NO.

TITLE

IRRIGATION PLAN

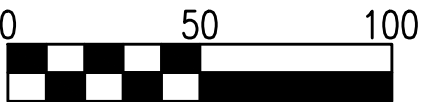
SHEET

C6.11



IRRIGATION DESIGN NOTES:  
24 ZONES @ 30 MIN./ZONE  
DESIGN CAPACITY 220 GPM  
RUN 2-110 GPM ZONES AT A TIME  
VFD DRIVE ON BOOSTER PUMP  
HUNTER 5-25 ROTARY SPRINKLERS  
HUNTER PCV200 VALVES  
HUNTER RCORE CONTROLLER  
HUNTER RCORE 2 WIRE MODEL  
HUNTER RCD 2 WIRE DECODERS

\*ALL SLEEVING TO BE TWO PIPE SIZES  
LARGER AND 2" FOR WIRE



Scale:

B.M. ELEVATION=993.95  
T.N.F.H. CNR OF CARLSON AND LOR RAY DRIVE

## **Appendix B**

### Preliminary Cost Estimate

June 13, 2012

Item No.	Construction Item	Unit	Quantity	Unit Price	Amount
<b>SITE WORK</b>					
2021.501	MOBILIZATION	LUMP SUM	1	\$ 5,000.00	\$ 5,000.00
2104.501	REMOVE EXISTING WATERMAIN	LIN FT	9	\$ 10.00	\$ 90.00
2104.503	REMOVE CONCRETE SIDEWALK	SQ YD	11	\$ 4.00	\$ 42.00
2104.603	SAWING CONCRETE WALK	LIN FT	16	\$ 3.00	\$ 48.00
2105.501	COMMON EXCAVATION (EV)	CU YD	21,186	\$ 1.85	\$ 39,195.00
2105.501	COMMON EXCAVATION, TOPSOIL STRIP (EV)	CU YD	1,407	\$ 1.85	\$ 2,603.00
2105.501	COMMON BORROW (CV) FROM CITY STOCKPILE	CU YD	8,646	\$ 4.50	\$ 38,907.00
2521.501	5" CONCRETE WALK W/ 12" SAND BASE	SQ FT	92	\$ 4.50	\$ 414.00
2521.501	5" CONCRETE W/ 12" SAND BASE	SQ FT	1,080	\$ 4.50	\$ 4,860.00
2573.502	WOODCHIP PROTECTION BERM	LIN FT	3761	\$ 1.00	\$ 3,761.00
2573.530	STORM DRAIN INLET PROTECTION	EACH	20	\$ 200.00	\$ 4,000.00
2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	1	\$ 500.00	\$ 500.00
2575.501	SEEDING - ATHLETIC HIGH TRAFFIC SEED MIX WITH MULCH AND FERTILIZER	ACRE	21.75	\$ 1,200.00	\$ 26,100.00
2575.519	AMEND TOPSOIL WITH SAND (DISK ANCHORING)	ACRE	6.7	\$ 1,000.00	\$ 6,710.00
2503.602	CONNECT TO EXISTING SANITARY	EACH	1	\$ 525.00	\$ 525.00
2503.602	6" CLEANOUT	EACH	3	\$ 100.00	\$ 300.00
2503.602	6" PIPE CAP	EACH	1	\$ 50.00	\$ 50.00
2503.602	CONSTRUCT SANITARY STRUCTURE	LIN FT	28.4	\$ 190.00	\$ 5,396.00
2503.603	6" PVC SANITARY SERVICE	LIN FT	726	\$ 17.00	\$ 12,342.00
2503.603	8" PVC SANITARY SERVICE	LIN FT	207	\$ 21.00	\$ 4,347.00
2504.602	CONNECT TO EXISTING WATERMAIN	EACH	1	\$ 625.00	\$ 625.00
2504.602	HYDRANT	EACH	1	\$ 2,250.00	\$ 2,250.00
2504.602	WATERMAIN FITTINGS	LBS	243	\$ 5.00	\$ 1,215.00
2504.602	6" GATE VALVE & BOX	EACH	4	\$ 1,300.00	\$ 5,200.00
2504.602	6" WATERMAIN	LIN FT	969	\$ 20.00	\$ 19,380.00
2504.602	6" WATERMAIN PLUG	EACH	1	\$ 50.00	\$ 50.00
2506.602	SANITARY CASTING ASSEMBLY, MnDOT 700-7 RING & SELF SEAL 712 COVER W/ CONCEALED PICK HOLES	EACH	2	\$ 700.00	\$ 1,400.00
400	NATIONAL RECREATION SYSTEMS, INC. BLEACHER NB-0327APRF	EACH	4	\$ 3,000.00	\$ 12,000.00
<b>Subtotal</b>					<b>\$ 197,400.00</b>
<b>5% Contingency</b>					<b>\$ 9,870.00</b>
<b>Total Site Work</b>					<b>\$ 207,270.00</b>

Item No.	Construction Item	Unit	Quantity	Unit Price	Amount
<b>STORM SEWER AND TILE WORK</b>					
2451.507	GRANULAR PIPE FOUNDATION (STORM)	CU YD	50	\$ 20.00	\$ 1,000.00
2502.541	4" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	13,810	\$ 3.50	\$ 48,335.00
2502.541	8" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	640	\$ 14.00	\$ 8,960.00
2502.541	12" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	636	\$ 17.00	\$ 10,812.00
2502.541	15" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	560	\$ 22.00	\$ 12,320.00
2503.541	8" HDPE PIPE DRAIN	LIN FT	258	\$ 14.00	\$ 3,612.00
2503.541	12" HDPE PIPE DRAIN	LIN FT	333	\$ 18.00	\$ 5,994.00
2503.541	15" HDPE PIPE DRAIN	LIN FT	586	\$ 22.00	\$ 12,892.00
2503.541	18" RC PIPE DRAIN CLASS 3	LIN FT	325	\$ 27.00	\$ 8,775.00
2503.541	24" RC PIPE DRAIN CLASS 3	LIN FT	324	\$ 33.00	\$ 10,692.00
2503.541	30" RC PIPE DRAIN CLASS 3	LIN FT	232	\$ 40.00	\$ 9,280.00
2503.541	36" RC PIPE DRAIN CLASS 3	LIN FT	248	\$ 52.50	\$ 13,020.00
300	8"x90" BEND (HDPE)	EACH	1	\$ 25.00	\$ 25.00
301	8"x45" BEND (HDPE)	EACH	2	\$ 25.00	\$ 50.00
302	12"x45" BEND (HDPE)	EACH	1	\$ 25.00	\$ 25.00
303	4" WYE	EACH	5	\$ 25.00	\$ 125.00
304	8" WYE	EACH	1	\$ 40.00	\$ 40.00
305	8"x4" WYE	EACH	16	\$ 40.00	\$ 640.00
306	12"x4" WYE	EACH	16	\$ 50.00	\$ 800.00
307	15"x4" WYE	EACH	8	\$ 60.00	\$ 480.00
308	8"x4" REDUCER	EACH	5	\$ 50.00	\$ 250.00
309	4" CAP	EACH	51	\$ 10.00	\$ 510.00
310	HICKENBOTTOM	EACH	2	\$ 300.00	\$ 600.00
2503.573	CONSTRUCT 30" CAP	EACH	1	\$ 200.00	\$ 200.00
2503.602	CONNECT TO EXISTING STORM STRUCTURE	EACH	2	\$ 500.00	\$ 1,000.00
2506.501	CONSTRUCT DRAINAGE STRUCTURE MnDOT 4020	LIN FT	52	\$ 190.00	\$ 9,785.00
2506.501	CONSTRUCT DRAINAGE STRUCTURE, 12" PVC DROP INTAKE (NYLOPLAST)	LIN FT	44	\$ 125.00	\$ 5,438.00
2506.502	8" CLEANOUT	EACH	1	\$ 300.00	\$ 300.00
2506.516	MnDOT 700-7 RING W/721 GRATE	EACH	6	\$ 490.00	\$ 2,940.00
2506.516	MnDOT 700-7 RING W/715 COVER	EACH	1	\$ 490.00	\$ 490.00
2506.516	NYLOPLAST 2718AG12N W/PEDESTRIAN H-10 GRATE	EACH	10	\$ 300.00	\$ 3,000.00
2506.516	CASTING ASSEMBLY, NEENAH R-3246 W/ TYPE C GRATE	EACH	1	\$ 550.00	\$ 550.00
<b>Subtotal</b>					<b>\$ 173,000.00</b>
<b>5% Contingency</b>					<b>\$ 8,650.00</b>
<b>Total Storm Sewer and Tile Work</b>					<b>\$ 181,650.00</b>



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**Caswell Park North Soccer Complex**  
**North Mankato, Minnesota**  
**Preliminary Cost Estimate**

Item No.	Construction Item	Unit	Quantity	Unit Price	Amount
<b>IRRIGATION AND ELECTRICAL</b>					
400	ELECTRICAL SYSTEM AND CONDUIT	LUMP SUM	1	\$ 10,000.00	\$ 10,000.00
401	IRRIGATION SYSTEM	LUMP SUM	1	\$ 50,000.00	\$ 50,000.00
402	PUMP STATION	LUMP SUM	1	\$ 5,000.00	\$ 5,000.00
Subtotal					\$ 65,000.00
5% Contingency					\$ 6,500.00
Total Electrical and Irrigation					\$ 71,500.00
SITE WORK					\$ 207,270.00
STORM SEWER AND TILE WORK					\$ 181,650.00
IRRIGATION AND ELECTRICAL					\$ 71,500.00
CITY BONDING, STAKING, ENGINEERING, CONSTRUCTION ADMINISTRATION					\$ 57,552.50
TOTAL					\$ 518,000.00

## **Appendix C**

### Preliminary Schedule

**Project Schedule for Caswell North Soccer Fields – City of North Mankato****Date: 5-30-12****PROJECTED SCHEDULE FOR PHASE 1 (2012)\*\***

June 1-13, 2012	Complete Final Plans and Specifications for bidding 3 contracts – Site Work, Tile Construction, and Irrigation.
June 18, 2012	Project Schedule and Plans and Specifications approved by City Council. Bids Ordered.
June 22 to July 13, 2012	Project Advertised
July 18, 2012	Bids Received and Opened
August 6, 2012	Project Awarded by City Council
August 2012	Ground Breaking Ceremony
August to October 2012	Construction
Spring 2013	Seed established and City takes over Maintenance
Summer 2013	Potential Phase 2 construction of parking areas
Spring 2014	Soccer Fields Open for Use

**\*\*Assumes approvals from City Council at each meeting\*\***

## **Appendix D**

### Geotechnical Report

# **Preliminary Geotechnical Evaluation Report**

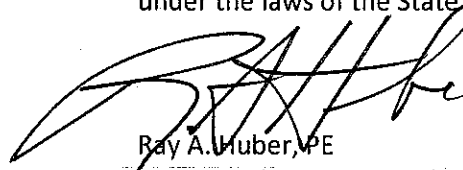
Proposed Elementary School  
Lor Ray Drive and Carlson Drive  
North Mankato, Minnesota

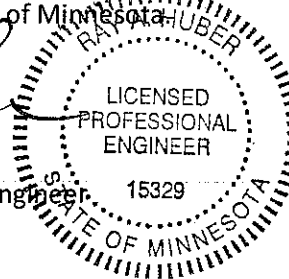
*Prepared for*

**Blethen, Gage & Krause**

## **Professional Certification:**

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.

  
Ray A. Huber, PE  
Vice President – Principal Engineer  
License Number: 15329  
March 26, 2009



Project MA-09-00886

Braun Intertec Corporation



March 26, 2009

Project MA-09-00886

Mr. Chris Roe  
Blethen, Gage & Krause  
127 South Second Street  
Mankato, MN 56001

Re: Preliminary Geotechnical Evaluation  
Proposed Elementary School  
Lor Ray Drive and Carlson Drive  
North Mankato, Minnesota

Dear Mr. Roe:

We are pleased to present this Preliminary Geotechnical Evaluation Report for the proposed North Mankato Elementary School. A summary of our results, and a summary of our recommendations in light of the geotechnical issues influencing design and construction, are presented below. More detailed information and recommendations can be found in the attached report.

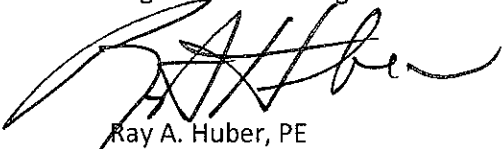
Thank you for making Braun Intertec your geotechnical consultant for this project. If you have questions about this report, or if there are other services that we can provide in support of our work to date, please call Philip Bailey at 507.345.4913 (office) or 507.995.8186 (cell).

Sincerely,

BRAUN INTERTEC CORPORATION

*Holly Vetter for:*

Philip E. Bailey, EIT  
Engineer In-Training

  
Ray A. Huber, PE  
Vice President – Principal Engineer

c: Mr. Nathan Huettl, Bolton and Menk, Inc.  
Ms. Sally Obernolte, Paulsen Architects

GeoReport-Proposed Elementary School

## Table of Contents

Description	Page
A. Introduction .....	1
A.1. Project Description .....	1
A.2. Purpose .....	1
A.3. Site Conditions .....	1
A.4. Scope of Services .....	1
B. Results .....	2
B.1. Exploration Logs .....	2
B.1.a. Log of Boring Sheets .....	2
B.1.b. Geologic Origins .....	3
B.2. Geologic Profile .....	3
B.2.a. Topsoil .....	3
B.2.b. Glacial Till .....	3
B.2.c. Groundwater .....	3
B.3. Laboratory Test Results .....	4
C. Project Information .....	4
C.1. Design Details .....	4
C.1.a. Building Design and Loads .....	4
C.1.b. Pavements and Traffic Loads .....	4
C.1.c. Anticipated Grade Changes .....	5
C.1.d. Precautions Regarding Changed Information .....	5
C.2. Design Considerations .....	5
D. Recommendations .....	5
D.1. Building Pad Preparation .....	5
D.1.a. Excavations .....	5
D.1.b. Excavation Dewatering .....	6
D.1.c. Settlement .....	7
D.1.d. Selecting Excavation Backfill and Additional Required Fill .....	7
D.1.e. Placement and Compaction of Backfill and Fill .....	7
D.2. Spread Footings .....	7
D.2.a. Embedment Depth .....	7
D.2.b. Net Allowable Bearing Pressure .....	8
D.2.c. Settlement .....	8
D.3. Interior Slabs .....	8
D.3.a. Subgrade Modulus .....	8
D.3.b. Moisture Vapor Protection .....	8
D.4. Below Grade Walls .....	9
D.4.a. Drainage Control .....	9
D.4.b. Selection, Placement and Compaction of Backfill .....	9

## Table of Contents (continued)

Description	Page
D.4.c. Configuring and Resisting Lateral Loads .....	10
D.5. Exterior Slabs .....	10
D.6. Pavements .....	12
D.6.a. Subgrade Preparations .....	12
D.6.a.1. Clay Subgrade.....	12
D.6.a.2. Sand Subgrade.....	12
D.6.b. Subgrade Proof-Roll.....	13
D.6.c. Design Sections.....	13
D.6.d. Subgrade Drainage .....	14
D.7. Utilities.....	14
D.7.a. Subgrade Stabilization .....	14
D.7.b. Selection, Placement and Compaction of Backfill .....	14
D.7.c. Corrosion Potential.....	14
E. Procedures.....	14
E.1. Penetration Test Borings .....	14
E.2. Material Classification and Testing.....	15
E.2.a. Visual and Manual Classification .....	15
E.2.b. Laboratory Testing.....	15
E.3. Groundwater Measurements .....	15
F. Qualifications .....	15
F.1. Variations in Subsurface Conditions.....	15
F.1.a. Material Strata.....	15
F.1.b. Groundwater Levels.....	16
F.2. Continuity of Professional Responsibility .....	16
F.2.a. Plan Review.....	16
F.2.b. Construction Observations and Testing .....	16
F.3. Use of Report.....	16
F.4. Standard of Care.....	16

### Appendix

Boring Location Sketch  
 Log of Boring Sheets  
 Descriptive Terminology

## **A. Introduction**

### **A.1. Project Description**

This preliminary Geotechnical Evaluation Report addresses general site characteristics and construction and design considerations based on a limited subsurface evaluation. We understand that School District 77 is proposing to construct a new elementary school in the existing farm field West of Lor Ray Drive and South of Carlson Drive. We understand that very little information is currently available regarding the proposed school.

### **A.2. Purpose**

The purpose of this report is to assist the design team in determining the suitability of the proposed site for construction by providing preliminary recommendations for support of the building and construction considerations regarding street, parking lot and utility construction.

### **A.3. Site Conditions**

Our referenced documents and past project experience in the general area indicate that the site is underlain with glacial till predominately composed of sandy lean clay.

Currently, the site exists as a farm field. There is currently about 8 feet of grade difference between the borings.

### **A.4. Scope of Services**

Our scope of services for this project was originally submitted as a Proposal to Mr. Chris Roe of Blethen, Gage & Krause. We received authorization to proceed from Mr. Roe on March 10, 2009 through the means of an email. Our scope of services was later modified through a phone conversation authorized by Mr. Roe for additional drilling effort. Tasks performed in accordance with our authorized scope of services included:

- Performing a reconnaissance of the site to evaluate equipment access to exploration locations.

- Staking and clearing exploration locations of underground utilities.
- Performing 5 penetration test borings to 20 feet.
- Performing laboratory moisture content, sieve analysis (through a number 200 sieve only) and Atterberg Limit tests on selected penetration test samples.
- Preparing this report containing a CAD sketch, exploration logs, a summary of the geologic materials encountered, results of laboratory tests, and preliminary recommendations for structure and pavement subgrade preparation and design.

We deviated from our proposed scope of services in the proposal. This deviation was the result of soft soil conditions encountered in one of the borings.

Exploration locations and surface elevations at the exploration locations were determined using GPS (Global Positioning System) technology that utilizes the Minnesota Department of Transportation's permanent GPS Virtual Reference Network (VRN).

## **B. Results**

### **B.1. Exploration Logs**

#### **B.1.a. Log of Boring Sheets**

Log of Boring sheets for our penetration test borings are included in the Appendix. The logs identify and describe the geologic materials that were penetrated, and present the results of penetration resistance and other in-situ tests performed within them, laboratory tests performed on penetration test samples retrieved from them, and groundwater measurements.

Strata boundaries were inferred from changes in the penetration test samples and the auger cuttings. Because sampling was not performed continuously, the strata boundary depths are only approximate. The boundary depths likely vary away from the boring locations, and the boundaries themselves may also occur as gradual rather than abrupt transitions.

### **B.1.b. Geologic Origins**

Geologic origins assigned to the materials shown on the logs and referenced within this report were based on: (1) a review of the background information and reference documents cited above, (2) visual classification of the various geologic material samples retrieved during the course of our subsurface exploration, (3) penetration resistance testing performed for the project, (4) laboratory test results, and (5) available common knowledge of the geologic processes and environments that have impacted the site and surrounding area in the past.

## **B.2. Geologic Profile**

### **B.2.a. Topsoil**

The borings initially encountered 1 to 2 feet of topsoil that was primarily wet. The topsoil was primarily clay.

### **B.2.b. Glacial Till**

Below the topsoil, the borings encountered glacial till that was primarily composed of sandy lean clay and clayey sand with varying amounts of gravel that was brown to gray in color and moist to wet. Some sand lenses were also present within the glacial clays.

Penetration resistance values recorded in the glacial clay ranged from 2 to 15 blows per foot (BPF) with most values in the range of 6 to 8 BPF, indicating they were generally medium in consistency and locally soft to stiff.

### **B.2.c. Groundwater**

Groundwater was observed immediately after auger withdrawal in borings ST-3 and ST-5 at depths of 30 feet and 20 feet respectively. Groundwater was not encountered in any of the other borings. Given the cohesive nature of the geologic materials encountered, however, it is likely that insufficient time was available for groundwater to seep into the boreholes and rise to its hydrostatic level. Piezometers or monitoring wells would be required to confirm if more accurate groundwater measurements.

Based on the coloration of the soils encountered, it is our opinion that perched water may be encountered throughout the site.

Seasonal and annual fluctuations of groundwater should also be anticipated.

### **B.3. Laboratory Test Results**

The moisture content of the glacial clay varied from approximately 22 to 32 percent, indicating that the material was likely near to above of its probable optimum moisture content.

Our mechanical analyses indicated that the glacial clayey sand contained 51 percent silt and clay by weight.

Atterberg Limit testing indicated that the soil tested at ST-3 for the 5 foot sample had a liquid limit of 45 and a plasticity index of 23, indicating that the soil was a lean clay.

Pocket penetrometer tests were performed on multiple penetration test samples. Pocket penetrometer readings ranged from 3/4 to 2 tons per square foot (tsf).

## **C. Project Information**

### **C.1. Design Details**

#### **C.1.a. Building Design and Loads**

We understand that the building is to be a two story building with a walkout lower level exposed on three sides of the building, similar to the proposed Mankato elementary school. We assume that there will be no interior below grade walls.

We have assumed that bearing wall loads associated with the proposed elementary school will range from 6 to 10 kips per lineal foot (klf); column loads will range from 200 to 250 kips per column.

#### **C.1.b. Pavements and Traffic Loads**

We assume car parking areas will be light-duty pavement areas with a bituminous section. We have assumed that light-duty pavements will be subjected to no more than 50,000 equivalent 18-kip single axle loads (ESALs) over an assumed design life of 20 years.

We assume that drive areas and areas with bus and truck traffic will be heavy-duty pavement areas with a bituminous section. We have assumed that heavy-duty pavements will be subjected to no more than 200,000 ESALs over an assumed design life of 20 years.

#### **C.1.c. Anticipated Grade Changes**

Based on the current topography of the site we assume that the proposed lowest floor elevation for the new elementary school will be near elevation 993. Based on this assumed elevation, we anticipate that fills on the order of 1 to 3 feet can be expected for the lower level and that fills on the order of 6 to 10 feet are possible for the upper level/main entrance area.

#### **C.1.d. Precautions Regarding Changed Information**

We have attempted to describe our understanding of the proposed construction to the extent it was reported to us by others. Depending on the extent of available information, assumptions may have been made based on our experience with similar projects. If we have not correctly recorded or interpreted the project details, we should be notified. New or changed information could require additional evaluation, analyses and/or recommendations.

### **C.2. Design Considerations**

The geotechnical issues influencing design for the proposed elementary school appear to be limited. The geologic materials present at anticipated structure subgrade elevations generally appear suitable for support of conventional spread footings, grade-supported slabs, and pavements.

Due to the frost-susceptible nature of the clay soils present at anticipated exterior slab and pavement subgrade elevations, consideration should also be given to incorporating a granular subbase into the pavement sections. A granular subbase enhances subgrade drainage, reduces the potential for pavement subgrades to become saturated and heave upon freezing, and reduces the effects of subgrade strength loss upon thawing.

## **D. Recommendations**

### **D.1. Building Pad Preparation**

#### **D.1.a. Excavations**

Based on the results of our soil borings, it appears that the onsite soils are suitable for support of typical spread footings. For building pad preparation, we recommend stripping all topsoil and vegetation from



within the building pad and its oversize area. Based on the borings, the underlying clays ranged from soft to stiff in consistency. It is our opinion that the underlying clays should be directly suitable for placement of engineered fill and foundations, however, if any soft clays are encountered we recommend that they be evaluated at the time of excavation. Anticipated topsoil removal depths and bottom elevations for each of the borings are shown below in Table 1.

**Table 1. Excavation Depths and Bottom Elevations**

Location	Surface Elevation	Anticipated Excavation Depth (ft)	Corresponding Bottom Elevation*
ST-1	989.8	1 1/2	988 1/2
ST-2	993.2	1	992
ST-3	992.6	2	990 1/2
ST-4	998	1 1/2	996 1/2
ST-5	992.3	1 1/2	990 1/2

\*Corresponding bottom elevations were rounded down to the nearest 1/2 foot.

Excavation depths will vary between the borings. Portions of the excavations may also be deeper than indicated by the boring logs. Contractors should also be prepared to extend excavations in wet or fine-grained soils to remove disturbed bottom soils.

To provide lateral support to replacement backfill, additional required fill and the structural loads they will support, we recommend oversizing (widening) the excavations 1 foot horizontally beyond the outer edges of the building perimeter footings for each foot the excavations extend below bottom-of-footing elevations.

We anticipate that the medium clays throughout the site will be susceptible to disturbance by construction equipment. We therefore recommend using tracked equipment and back hoes where possible. If the excavation bottoms are disturbed during the construction process, additional correction of the disturbed soils will likely be necessary. We recommend using a smooth-bladed backhoe bucket in excavations for footings to minimize disturbance of the excavation bottoms.

#### **D.1.b. Excavation Dewatering**

We do not anticipate that groundwater will be encountered for building pad excavations, however, we recommend having sump pumps onsite to aid in controlling any perched water or surface water which may enter the excavations.

#### **D.1.c. Settlement**

We estimate that the fill-induced settlement of the clay till at depth for the majority of the site will be less than 1 inch. The exception is the area of boring ST-3 where soft soils were encountered at depth. We estimate that in the area of boring ST-3, for fills in excess of about 6 feet, up to 1/4 foot of settlement could occur. More than 1/2 of this primary consolidation will likely occur within 3 months of the fill being placed. Secondary consolidation of the engineered fill placed on the order of 1/8 foot can also be anticipated within 3 months of being placed (assuming it is compacted to at least 95 percent of its standard Proctor maximum dry density). We estimate that after 3 months of the fill placement, less than 1 inch of settlement will occur.

#### **D.1.d. Selecting Excavation Backfill and Additional Required Fill**

On-site soils free of organic soil and debris can be considered for reuse as backfill and fill.

Imported material needed to replace excavation spoils or balance cut and fill quantities, may consist of sand, silty sand, clayey sand, sandy lean clay or lean clay. We recommend, however, that the plastic index of these materials not exceed 15.

#### **D.1.e. Placement and Compaction of Backfill and Fill**

We recommend spreading backfill and fill in loose lifts of approximately 8 to 10 inches. We recommend compacting backfill and fill in accordance with the criteria presented below in Table 2. The relative compaction of utility backfill should be evaluated based on the structure below which it is installed, and vertical proximity to that structure.

**Table 2. Compaction Recommendations Summary**

Reference	Relative Compaction, percent (ASTM D 698 – standard Proctor)	Moisture Content Variance from Optimum, percentage points
Below foundations	98	-1, +3
Below slabs	95	-1, +3
Below landscaped surfaces	90	N/A

### **D.2. Spread Footings**

#### **D.2.a. Embedment Depth**

For frost protection, we recommend embedding perimeter footings 42 inches below the lowest exterior grade. Interior footings may be placed directly below floor slabs. We recommend embedding building

footings not heated during winter construction, and other unheated footings associated with canopies, stoops or sidewalks 60 inches below the lowest exterior grade.

#### **D.2.b. Net Allowable Bearing Pressure**

Depending on the actual loading, foundation elevations, and other factors, we anticipate that spread footings can be sized to exert a net allowable bearing pressure of between 2,500 and 3,500 pounds per square foot (psf). This value includes a safety factor of at least 3.0 with regard to bearing capacity failure. Upon further investigation and once information regarding the proposed building is obtained, more detailed recommendations can be provided regarding spread footing design.

#### **D.2.c. Settlement**

We estimate that total and differential settlements among the footings will amount to less than one inch and one half inch, respectively, under the assumed loads.

### **D.3. Interior Slabs**

#### **D.3.a. Subgrade Modulus**

Upon site grading we anticipate that the slabs will be supported on native clay soils or engineered clay fill. We therefore recommend using a modulus of subgrade reaction,  $k$ , of 100 pounds per square inch per inch of deflection (pci) to design the slabs. If at least 6 inches of sand (less than 10 percent passing the #200 sieve) or aggregate base (meeting MN/DOT Specification 3138 for Class 5) is placed directly below the slab, the modulus can be increased by 50 pci.

#### **D.3.b. Moisture Vapor Protection**

If floor coverings or coatings less permeable than the concrete slab will be used, we recommend that a vapor retarder or vapor barrier be placed immediately beneath the slab. Some contractors prefer to bury the vapor retarder or barrier beneath a layer of sand to reduce curling and shrinkage, but this practice risks trapping water between the slab and vapor retarder or barrier.

Regardless of where the vapor retarder or barrier is placed, we recommend consulting with floor covering manufacturers regarding the appropriate type, use and installation of the vapor retarder or barrier to preserve warranty assurances.

## **D.4. Below Grade Walls**

### **D.4.a. Drainage Control**

We recommend installing subdrains behind any below grade walls, adjacent to the wall footings, below the slab elevation. Preferably the subdrains should consist of perforated pipes embedded in washed gravel, which in turn is wrapped in filter fabric. Perforated pipes encased in a filter "sock" and embedded in washed gravel, however, may also be considered.

We recommend routing the subdrains to a sump and pump capable of routing any accumulated groundwater to a storm sewer or other suitable disposal site.

### **D.4.b. Selection, Placement and Compaction of Backfill**

Because subsurface conditions are conducive to the accumulation of water against perimeter below-grade walls, it is our opinion that the walls should be provided with a drainage composite or imported sand having less than 50 percent of the particles by weight passing a #40 sieve and less than 5 percent of the particles by weight passing a #200 sieve at least 2 feet horizontally behind the walls. The balance of the backfill placed against these walls may also consist of sand containing up to 20 percent of the particles by weight passing a #200 sieve.

If clay must be considered for use to make up the balance of the below-grade wall backfill (assuming a drainage composite or sand is placed against the backs of the walls), post-compaction consolidation of the clay occurring under its own weight can be expected. The magnitude of consolidation could amount to between 1 and 3 percent of the clay backfill thickness, or wall height, and if not accommodated could cause slabs to settle unfavorably or be damaged. The primary cause of this settlement is the difficulty of uniformly compacting a clay backfill in the confined excavation, however, due to the depth of backfill anticipated, secondary consolidation of the clay backfill will also occur. We therefore recommend a 2 to 3 month construction delay be observed upon completion of backfilling the walls prior to construction of any exterior slabs or pavements.

If movement of the exterior slabs, pavements or foundations is not tolerable, we recommend backfilling the below grade walls with sand with less than 20 percent of the particles by weight passing the #200 sieve to minimize settlement.

#### D.4.c. Configuring and Resisting Lateral Loads

Below-grade wall design can be based on active earth pressure conditions if the walls are allowed to rotate slightly. If rotation cannot be tolerated, then design should be based on at-rest earth pressure conditions. Rotation up to 0.002 times the wall height is generally required when walls are backfilled with sand\*. Rotation up to 0.02 times the wall height is required when walls are backfilled with clay.

- \* To design for sand backfill, excavations required for wall construction should be wide enough and flat enough so that sand is present within a zone that (1) extends at least two horizontal feet beyond the bottom outer edges of the wall footings (the wall heel, not the stem) and then (2) rises up and away from the wall at an angle no steeper than 60 degrees from horizontal. We anticipate these geometric conditions will be met if the excavations meet OSHA requirements for the types of soils likely to be exposed in the excavation, and the wall footings are cast against wood forms rather than any portion of the excavation.

Recommended equivalent fluid pressures for wall design based on active and at-rest earth pressure conditions are presented below in Table 3. Assumed wet unit backfill weights, and internal friction angles are also provided. The recommended equivalent fluid pressures in particular assume a level backfill with no surcharge – they would need to be revised for sloping backfill or other dead or live loads that are placed within a horizontal distance behind the walls that is equal to the height of the walls. Our design values also assume that the walls are drained so that water cannot accumulate behind the walls.

**Table 3. Recommended Below-Grade Wall Design Parameters**

Backfill	Wet Unit Weight (pcf)	Equivalent Fluid Pressure, At-Rest Case (pcf)
Sand	115	50
Clay	120	70

#### D.5. Exterior Slabs

We recommend surface vegetation and topsoil be removed from beneath exterior slabs and aprons. After their removal, any existing fill exposed should be evaluated for debris and proper compaction. If the existing fill is judged to be unsuitable for support of exterior slabs, it should be removed and replaced with a suitable material. We recommend compacting backfill and fill beneath exterior slabs to 95 percent of their standard Proctor maximum dry density.

Exterior slabs will be exposed to seasonal freezing and thawing that could expose them to unfavorable amounts of heave if they are underlain with frost-susceptible soils (such as the on-site clays and clayey sand). Even limited amounts of ground movement can be detrimental to slab performance or a nuisance to building employees and students. This heave can be controlled largely by placement of free-draining, non-frost-susceptible sand backfill (less than 50 percent of the particles by weight passing a #40 sieve and less than 5 percent of the particles by weight passing a #200 sieve) beneath exterior slabs to a depth of about 3 feet. Drainage should be provided for any sand backfill.

If the banks of excavations to remove frost-susceptible soils from below exterior slabs are not sloped, abrupt transitions between frost-susceptible and NSF backfill will exist along which unfavorable amounts of differential heaving may still occur. Such transitions could exist between exterior slabs and pavements, between slabs and sidewalks, and along the slabs themselves should excavations be confined only to the building entrances. NSF backfill is also likely to be more permeable than the soils it replaces, and so can also trap infiltrating surface drainage and groundwater that can contribute to heaving at transitions. To address these issues, we recommend:

- Sloping the banks of excavations to remove frost-susceptible soils at a 3:1 (horizontal:vertical) or flatter gradient.
- Sloping the bottoms of the excavations to drain away from the building.
- Installing perforated drainpipes along the bottom outer edges of the excavations to collect and dispose of surface drainage and groundwater that could otherwise accumulate within the backfill and contribute to heaving.

Another alternative for reducing frost heave is to place at least 2 inches of extruded polystyrene foam insulation below the slabs and extend the insulation approximately 4 feet beyond the outer edges of the slabs. The insulation should be buried below a cushion of sand or gravel to protect it during construction. A third alternative is to support the slabs on frost-depth footings. A void space of at least 4 inches is generally required between the bottoms of the slabs and the subgrade soils to accommodate heaving without affecting the slabs.

## **D.6. Pavements**

### **D.6.a. Subgrade Preparations**

We anticipate the pavement subgrade will primarily consist of clay soils. For this project, it is our opinion that there are a few different approaches to constructing pavements once the topsoil is removed. The first of these approaches would be to place the aggregate base directly on top of the clay subgrade and the second approach would be to place a sand subbase below the aggregate base. These options are further discussed below.

#### **D.6.a.1. Clay Subgrade**

With this approach the pavement section (aggregate base and bituminous/concrete pavement) would be placed directly on top of the clay subgrade. We recommend moisture conditioning (discing and drying) the upper 2 feet of the clay subgrade and recompacting it to 100 percent of standard Proctor. We recommend that it be no more than 1 percent over the soil's optimum moisture content. A proofroll should then be performed on the clay subgrade prior to placement of the aggregate base. If there are still unstable areas, additional stabilization will be required. If this approach is pursued, it is our opinion that an R-value of 12 should be used for design of pavements. In order to maintain the integrity and stability of the aggregate base, we recommend placing a geotextile fabric on top of the clay subgrade and drain tile (finger drains) at low areas (catch basins) to remove water trapped in the aggregate base.

Pavements supported directly on clayey soils are generally less expensive initially, but would likely require slightly more maintenance since they are highly susceptible to volume changes upon freezing and thawing.

#### **D.6.a.2. Sand Subgrade**

A sand subbase incorporated into the pavement section(s) is one option to reduce maintenance and provide slightly higher pavement life. A sand subbase will improve subgrade strength and reduce frost heave. The sands drain more freely than the clayey soils on which they lie, and because the sand could act as a reservoir for surface drainage and groundwater, we recommend that drain tile be installed in areas where a sand cushion is placed over clayey soils. Drain tile should be placed in low areas and as finger drains around catch basins. Typical thicknesses for a sand subbase under similar conditions range from 18 inches for a light duty pavement to 24 inches for a heavy duty pavement.

With this approach, the clay subgrade soils would be subcut to allow for placement of sand meeting the MN/DOT Specification 3149.2B2 for modified Select Granular Borrow with no more than 10 percent passing the number 200 sieve (fines) respectively for the light and heavy duty pavements. The bottom of the excavation should then be disced, dried and recompactd in order to provide a "crust" on which to place the sand subbase.

In order to maintain the non-frost susceptible attributes of the sand subbase by minimizing contamination of the subbase with fines, we recommend placement of a geotextile fabric layer directly atop the clay subgrade.

We recommend compacting excavation backfill (including utility backfill) and additional required fill placed within 3 feet of pavement subgrade elevations to at least 100 percent of their maximum standard Proctor dry densities (ASTM D 698). Backfill and fill placed more than 3 feet below pavement subgrade elevations should be compacted to at least 95 percent. We recommend that backfill and fill placed within the upper three feet of the subgrade be placed at a moisture content from 2 percentage points below to 1 percentage point above its optimum moisture content. We recommend backfill and fill placed below the upper 3 feet of the subgrade be placed within 2 percentage points below to 3 percentage points above its optimum moisture content.

#### **D.6.b. Subgrade Proof-Roll**

Prior to placing aggregate base material, we recommend proof-rolling pavement subgrades to determine if the subgrade materials are loose, soft or weak, and in need of further stabilization, compaction or subexcavation and recompaction or replacement.

#### **D.6.c. Design Sections**

Laboratory tests to determine an R-value for pavement design were not included in the scope of this project. Based on our experience with similar projects in the area, however, it is our opinion that an R-value of 12 can be assumed for preliminary design purposes. If a sand subbase is used, a slight reduction of the aggregate base on the order of 2 to 4 inches could be expected due to the stronger subgrade available for pavement support.

Upon completion of a more detailed subsurface investigation, a pavement section for both light and heavy duty pavements can be recommended as well as further grading recommendations.



#### **D.6.d. Subgrade Drainage**

We recommend installing perforated drainpipes throughout pavement areas at low points and about catch basins. The drainpipes should be placed in small trenches extended at least 8 inches below the granular subbase layer, or below the aggregate base material where no subbase is present.

### **D.7. Utilities**

#### **D.7.a. Subgrade Stabilization**

We anticipate that utilities can be installed per manufacturer bedding requirements. If soft soils are present at the proposed utility grades, the soft soils can be subcut 1 to 2 feet and replaced with rock in order to provide utility support.

#### **D.7.b. Selection, Placement and Compaction of Backfill**

We recommend selecting, placing and compacting utility backfill in accordance with the recommendations provided above in Section D.5.

#### **D.7.c. Corrosion Potential**

The glacial clays present on the proposed site are considered moderately corrosive to metallic conduit. We therefore recommend providing corrosion protection for ductile iron pipe.

## **E. Procedures**

### **E.1. Penetration Test Borings**

The penetration test borings were drilled with an track-mounted core and auger drill equipped with hollow-stem auger. The borings were performed in accordance with ASTM D 1586. Penetration test samples were taken at 2 1/2- or 5-foot intervals. Actual sample intervals and corresponding depths are shown on the boring logs.

## **E.2. Material Classification and Testing**

### **E.2.a. Visual and Manual Classification**

The geologic materials encountered were visually and manually classified in accordance with ASTM Test Method D 2488. A chart explaining the classification system is attached. Samples were sealed in jars or bags and returned to our facility for review and storage.

### **E.2.b. Laboratory Testing**

The results of the laboratory tests performed on geologic material samples are noted on or follow the appropriate attached exploration logs. The tests were performed in accordance with ASTM or AASHTO procedures.

## **E.3. Groundwater Measurements**

The drillers checked for groundwater as the penetration test borings were advanced, and again after auger withdrawal. The boreholes were then backfilled or allowed to remain open for an extended period of observation as noted on the boring logs.

## **F. Qualifications**

### **F.1. Variations in Subsurface Conditions**

#### **F.1.a. Material Strata**

Our evaluation, analyses and recommendations were developed from a limited amount of site and subsurface information. It is not standard engineering practice to retrieve material samples from exploration locations continuously with depth, and therefore strata boundaries and thicknesses must be inferred to some extent. Strata boundaries may also be gradual transitions, and can be expected to vary in depth, elevation and thickness away from the exploration locations.

Variations in subsurface conditions present between exploration locations may not be revealed until additional exploration work is completed, or construction commences. If any such variations are

revealed, our recommendations should be re-evaluated. Such variations could increase construction costs, and a contingency should be provided to accommodate them.

#### **F.1.b. Groundwater Levels**

Groundwater measurements were made under the conditions reported herein and shown on the exploration logs, and interpreted in the text of this report. It should be noted that the observation period was relatively short, and groundwater can be expected to fluctuate in response to rainfall, flooding, irrigation, seasonal freezing and thawing, surface drainage modifications and other seasonal and annual factors.

### **F.2. Continuity of Professional Responsibility**

#### **F.2.a. Plan Review**

This report is based on a limited amount of information, and a number of assumptions were necessary to help us develop our recommendations. It is recommended that our firm review the geotechnical aspects of the designs and specifications, and evaluate whether the design is as expected, if any design changes have affected the validity of our recommendations, and if our recommendations have been correctly interpreted and implemented in the designs and specifications.

#### **F.2.b. Construction Observations and Testing**

It is recommended that we be retained to perform observations and tests during construction. This will allow correlation of the subsurface conditions encountered during construction with those encountered by the borings, and provide continuity of professional responsibility.

### **F.3. Use of Report**

This report is for the exclusive use of the parties to which it has been addressed. Without written approval, we assume no responsibility to other parties regarding this report. Our evaluation, analyses and recommendations may not be appropriate for other parties or projects.

### **F.4. Standard of Care**

In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

## Appendix

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**DENOTES APPROXIMATE LOCATION OF  
STANDARD PENETRATION TEST BORING**



SCALE: 1" = 150'

# BRAUN INTERTEC

11001 Hampshire Avenue So.  
Minneapolis, MN 55438  
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Base Dwg Provided By:



SOIL BORING LOCATION SKETCH  
PRELIMINARY GEOTECHNICAL EVALUATION  
PROPOSED NORTH MANKATO SCHOOL  
CARLSON DRIVE AND LOR RAY DRIVE  
NORTH MANKATO, MINNESOTA

Project No:  
MA0900866

Drawing No:  
MA0900886

Scale: 1" = 150'

Drawn By: BJB

Date Drawn: 3/19/09

Checked By: PEB

Last Modified: 3/19/09

Sheet:

of

Fig:

**Braun Project MA-09-00886**  
**Geotechnical Evaluation**  
**Proposed North Mankato School**  
**Lor Ray Drive and Carlson Drive**  
**North Mankato, MN**

**BORING: ST-1**  
**LOCATION: See attached sketch.**

**DRILLER: SB/JW**

**METHOD: 3 1/4" HSA, Autohammer**

**DATE: 3/19/09**

**SCALE: 1" = 4'**

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 00886.GPJ BRAUN\_08.GDT 3/26/09 11:45

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	q <sub>p</sub> tsf	mc %	Tests or Notes
989.8	0.0							
988.7	1.1	CL	LEAN CLAY, moderately organic, black, wet. (Topsoil)					
		CL	SANDY LEAN CLAY, trace of Gravel, gray and brown, wet, medium. (Glacial Till)	8		1 1/2	25	p200=51.4%
985.8	4.0	CL	SANDY LEAN CLAY, trace of Gravel with Sand lenses, brown, wet, medium. (Glacial Till)	6		2	26	Benchmark: Boring elevations were determined using GPS referencing Mn/DOT's VRN.
983.3	6.5	CL	SANDY LEAN CLAY, trace of Gravel, dark brown to 10 feet then gray, wet, medium to rather soft. (Glacial Till)	8		1		
				9				
				5				
				6				
968.8	21.0			6				
			END OF BORING.					
			Water not observed while drilling.					
			Boring then backfilled.					

<b>Braun Project MA-09-00886</b> <b>Geotechnical Evaluation</b> <b>Proposed North Mankato School</b> <b>Lor Ray Drive and Carlson Drive</b> <b>North Mankato, MN</b>					<b>BORING: ST-2</b> <b>LOCATION: See attached sketch.</b>				
<b>DRILLER: SB/JW</b>		<b>METHOD: 3 1/4" HSA, Autohammer</b>		<b>DATE: 3/19/09</b>		<b>SCALE: 1" = 4'</b>			
Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	q <sub>p</sub> tsf	mc %	Tests or Notes	
993.2	0.0								
992.2	1.0	CL-ML	SILTY CLAY, moderately organic, black, wet. (Topsoil)						
		CL	SANDY LEAN CLAY, with GRAVEL and Sand lenses, gray and brown, wet, medium. (Glacial Till)	8		2	22		
989.2	4.0	CL	SANDY LEAN CLAY, trace of Gravel, grayish brown, wet, medium to rather stiff. (Glacial Till)	8		2	23		
				8		1 3/4			
				9					
				8					
				8					
976.2	17.0	CL	SANDY LEAN CLAY, with GRAVEL, gray, wet, medium. (Glacial Till)						
972.2	21.0			6					
			END OF BORING.  Water not observed while drilling.  Boring then backfilled.						

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 00886.GPJ BRAUN\_08.GDT 3/25/09 10:06

<b>Braun Project MA-09-00886</b> Geotechnical Evaluation Proposed North Mankato School Lor Ray Drive and Carlson Drive North Mankato, MN					BORING: <b>ST-3</b> LOCATION: See attached sketch.				
DRILLER: SB/JW		METHOD: 3 1/4" HSA, Autohammer		DATE: 3/19/09		SCALE: 1" = 4'			
Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	q <sub>p</sub> tsf	mc %	Tests or Notes	
992.6	0.0	CL	LEAN CLAY, moderately organic, black, frozen to wet. (Topsoil)						
990.8	1.8	CL	SANDY LEAN CLAY, light gray to gray and brown, frozen to wet, medium. (Glacial Till)	6		1 1/4			
986.6	6.0	CL	SANDY LEAN CLAY, trace of Gravel, brown to 12 1/2 feet then gray, wet, medium to rather stiff. (Glacial Till)	6		1	32		
		CL		8		1 3/4			
		CL		10					
980.6	12.0	CL	SANDY LEAN CLAY, trace of Gravel, gray, wet, soft to rather soft. (Glacial Till)	4					
		CL		3					
		CL		2					
		CL		2			30		
		CL		2	▼				

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 00886.GPJ BRAUN\_08.GDT 3/26/09 10:06



<b>Braun Project MA-09-00886</b> Geotechnical Evaluation Proposed North Mankato School Lor Ray Drive and Carlson Drive North Mankato, MN					BORING: <b>ST-3 (cont.)</b> LOCATION: See attached sketch.				
DRILLER: SB/JW			METHOD: 3 1/4" HSA, Autohammer		DATE: 3/19/09		SCALE: 1" = 4'		
Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	q <sub>p</sub> tsf	mc %	Tests or Notes	
960.6	32.0		SANDY LEAN CLAY, trace of Gravel, gray, wet, soft to rather soft. (Glacial Till) <i>(continued)</i>	4					
			END OF BORING.  Water down 30.2 feet immediately after withdrawal of auger with 30 1/2 foot cave-in depth.  Boring then backfilled.						

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 00886.GPJ BRAUN 08.GDT 3/26/09 10:06

<b>Braun Project MA-09-00886</b> <b>Geotechnical Evaluation</b> <b>Proposed North Mankato School</b> <b>Lor Ray Drive and Carlson Drive</b> <b>North Mankato, MN</b>						<b>BORING: ST-4</b> <b>LOCATION: See attached sketch.</b>			
<b>DRILLER: SB/JW</b>		<b>METHOD: 3 1/4" HSA, Autohammer</b>		<b>DATE: 3/19/09</b>		<b>SCALE: 1" = 4'</b>			
Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	q <sub>p</sub> tsf	mc %	Tests or Notes	
998.0	0.0								
996.8	1.2	CL	LEAN CLAY, moderately organic, black, wet. (Topsoil)						
		SC	CLAYEY SAND, with GRAVEL, light brown and gray, wet, rather stiff. (Glacial Till)	9		2			
994.0	4.0	CL	SANDY LEAN CLAY, with GRAVEL and Sand lenses, brown and gray, wet, medium. (Glacial Till)	7		1 3/4	24		
				8		1 3/4			
989.0	9.0	CL	SANDY LEAN CLAY, trace of Gravel, brown gray to 20 feet then gray, wet, rather stiff to stiff. (Glacial Till)	10					
				13					
				12					
977.0	21.0		END OF BORING.  Water not observed while drilling.  Boring then backfilled.	10					

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 00886.GPJ BRAUN\_08.GDT 3/26/09 10:06

**INTERTEC**

<b>Braun Project MA-09-00886</b> <b>Geotechnical Evaluation</b> <b>Proposed North Mankato School</b> <b>Lor Ray Drive and Carlson Drive</b> <b>North Mankato, MN</b>					<b>BORING: ST-5</b> <b>LOCATION: See attached sketch.</b>				
<b>DRILLER: SB/JW</b>		<b>METHOD: 3 1/4" HSA, Autohammer</b>		<b>DATE: 3/19/09</b>		<b>SCALE: 1" = 4'</b>			
Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	q <sub>p</sub> tsf	mc %	Tests or Notes	
992.3	0.0								
990.9	1.4	CL-ML	SILTY CLAY, black, moist to wet. (Topsoil)						
		CL	SANDY LEAN CLAY, with GRAVEL and Sand lenses, brown and gray, wet, medium. (Glacial Till)	7		1 3/4			
988.3	4.0	CL	SANDY LEAN CLAY, trace of Gravel, brown and gray, wet, medium. (Glacial Till)	7		3/4	27		
985.8	6.5	CL	SANDY LEAN CLAY, trace of Gravel, brown to 10 feet then gray, wet, medium. (Glacial Till)	6		1 1/2			
981.3	11.0	CL	SANDY LEAN CLAY, trace of Gravel, gray, wet, rather soft to stiff. (Glacial Till)	8					
				6					
				15					
				4					
966.3	26.0			5					
<b>END OF BORING.</b>  Water down 20.3 feet immediately after withdrawal of auger with 20 1/2 foot cave-in depth.  Boring then backfilled.									

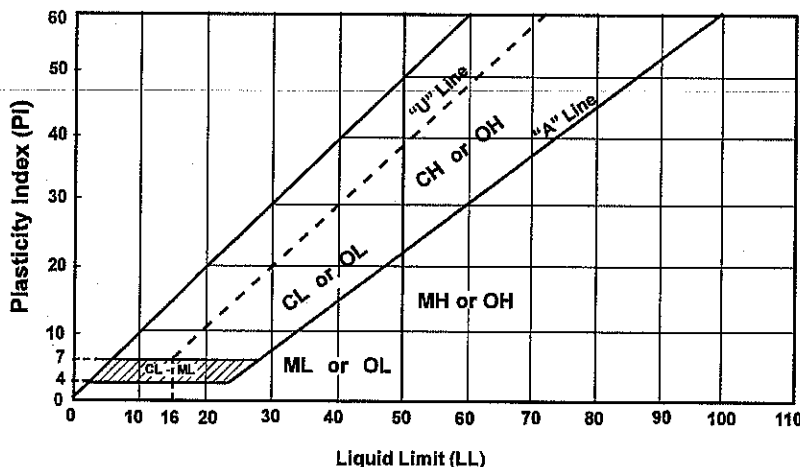
(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 00886.GPJ BRAUN\_08.GDT 3/26/09 10:06



Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests <sup>a</sup>				Soils Classification	
				Group Symbol	Group Name <sup>b</sup>
Coarse-grained Soils more than 50% retained on No. 200 sieve	Gravels More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels 5% or less fines <sup>*</sup>	$C_u \geq 4$ and $1 \leq C_c \leq 3$ <sup>c</sup>	GW	Well-graded gravel <sup>d</sup>
			$C_u < 4$ and/or $1 > C_c > 3$ <sup>c</sup>	GP	Poorly graded gravel <sup>d</sup>
		Gravels with Fines More than 12% fines <sup>*</sup>	Fines classify as ML or MH	GM	Silty gravel <sup>d,e</sup>
			Fines classify as CL or CH	GC	Clayey gravel <sup>d,f,g</sup>
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands 5% or less fines <sup>i</sup>	$C_u \geq 6$ and $1 \leq C_c \leq 3$ <sup>c</sup>	SW	Well-graded sand <sup>h</sup>
			$C_u < 6$ and/or $1 > C_c > 3$ <sup>c</sup>	SP	Poorly graded sand <sup>h</sup>
		Sands with Fines More than 12% <sup>i</sup>	Fines classify as ML or MH	SM	Silty sand <sup>f,g,h</sup>
			Fines classify as CL or CH	SC	Clayey sand <sup>f,g,h</sup>
Fine-grained Soils 50% or more passed the No. 200 sieve	Silt and Clays Liquid limit less than 50	Inorganic	PI > 7 and plots on or above "A" line <sup>j</sup>	CL	Lean clay <sup>k,l,m</sup>
			PI < 4 or plots below "A" line <sup>j</sup>	ML	Silt <sup>k,l,m</sup>
		Organic	Liquid limit - oven dried < 0.75	OL	Organic clay <sup>k,l,m,n</sup>
			Liquid limit - not dried < 0.75	OL	Organic silt <sup>k,l,m,o</sup>
	Silt and clays Liquid limit 50 or more	Inorganic	PI plots on or above "A" line	CH	Fat clay <sup>k,l,m</sup>
			PI plots below "A" line	MH	Elastic silt <sup>k,l,m</sup>
		Organic	Liquid limit - oven dried < 0.75	OH	Organic clay <sup>k,l,m,p</sup>
			Liquid limit - not dried < 0.75	OH	Organic silt <sup>k,l,m,q</sup>
Highly Organic Soils		Primarily organic matter, dark in color and organic odor		PT	Peat

- a. Based on the material passing the 3-in (75mm) sieve.  
b. If field sample contained cobbles or boulders, or both, add "with cobbles or boulders or both" to group name.  
c.  $C_u = D_{60}/D_{10}$   $C_c = (D_{30})^2 / (D_{10} \times D_{60})$   
d. If soil contains  $\geq 15\%$  sand, add "with sand" to group name.  
e. Gravels with 5 to 12% fines require dual symbols:  
GW-GM well-graded gravel with silt  
GW-GC well-graded gravel with clay  
GP-GM poorly graded gravel with silt  
GP-GC poorly graded gravel with clay  
f. If fines classify as CL-ML, use dual symbol GC-GM or SC-SM.  
g. If fines are organic, add "with organic fines" to group name.  
h. If soil contains  $\geq 15\%$  gravel, add "with gravel" to group name.  
i. Sands with 5 to 12% fines require dual symbols:  
SW-SM well-graded sand with silt  
SW-SC well-graded sand with clay  
SP-SM poorly graded sand with silt  
SP-SC poorly graded sand with clay  
j. If Atterberg limits plot in hatched area, soil is a CL-ML, silty clay.  
k. If soil contains 10 to 29% plus No. 200, add "with sand" or "with gravel" whichever is predominant.  
l. If soil contains  $\geq 30\%$  plus No. 200, predominantly sand, add "sandy" to group name.  
m. If soil contains  $\geq 30\%$  plus No. 200 predominantly gravel, add "gravelly" to group name.  
n.  $PI \geq 4$  and plots on or above "A" line.  
o.  $PI < 4$  or plots below "A" line.  
p. PI plots on or above "A" line.  
q. PI plots below "A" line.



Laboratory Tests

DD	Dry density, pcf	OC	Organic content, %
WD	Wet density, pcf	S	Percent of saturation, %
MC	Natural moisture content, %	SG	Specific gravity
LL	Liquid limit, %	C	Cohesion, psf
PL	Plastic limit, %	$\phi$	Angle of internal friction
PI	Plasticity index, %	qu	Unconfined compressive strength, psf
P200	% passing 200 sieve	qp	Pocket penetrometer strength, tsf

## Particle Size Identification

Boulders	over 12"
Cobbles	3" to 12"
Gravel	
Coarse	3/4" to 3"
Fine	No. 4 to 3/4"
Sand	
Coarse	No. 4 to No. 10
Medium	No. 10 to No. 40
Fine	No. 40 to No. 200
Silt	< No. 200, PI < 4 or below "A" line
Clay	< No. 200, PI $\geq 4$ and on or above "A" line

## Relative Density of Cohesionless Soils

Very loose	0 to 4 BPF
Loose	5 to 10 BPF
Medium dense	11 to 30 BPF
Dense	31 to 50 BPF
Very dense	over 50 BPF

## Consistency of Cohesive Soils

Very soft	0 to 1 BPF
Soft	2 to 3 BPF
Rather soft	4 to 5 BPF
Medium	6 to 8 BPF
Rather stiff	9 to 12 BPF
Stiff	13 to 16 BPF
Very stiff	17 to 30 BPF
Hard	over 30 BPF

## Drilling Notes

Standard penetration test borings were advanced by 3 1/4" or 6 1/4" ID hollow-stem augers unless noted otherwise. Jetting water was used to clean out auger prior to sampling only where indicated on logs. Standard penetration test borings are designated by the prefix "ST" (Split Tube). All samples were taken with the standard 2" OD split-tube sampler, except where noted.

Power auger borings were advanced by 4" or 6" diameter continuous-flight, solid-stem augers. Soil classifications and strata depths were inferred from disturbed samples augered to the surface and are, therefore, somewhat approximate. Power auger borings are designated by the prefix "B."

Hand auger borings were advanced manually with a 1 1/2" or 3 1/4" diameter auger and were limited to the depth from which the auger could be manually withdrawn. Hand auger borings are indicated by the prefix "H."

BPF: Numbers indicate blows per foot recorded in standard penetration test, also known as "N" value. The sampler was set 6" into undisturbed soil below the hollow-stem auger. Driving resistances were then counted for second and third 6" increments and added to get BPF. Where they differed significantly, they are reported in the following form: 2/12 for the second and third 6" increments, respectively.

WH: WH indicates the sampler penetrated soil under weight of hammer and rods alone; driving not required.

WR: WR indicates the sampler penetrated soil under weight of rods alone; hammer weight and driving not required.

TW indicates thin-walled (undisturbed) tube sample.

Note: All tests were run in general accordance with applicable ASTM standards.

## ADVERTISEMENT FOR BIDS

**City of North Mankato  
Caswell North Soccer Complex  
Irrigation & Electrical Work**

Sealed Prime General Contract bids for the Caswell North Soccer Complex – Irrigation & Electrical Work will be received by the Owner at the office of I&S Group, Inc., 115 E. Hickory Street, Suite 300, Mankato, MN 56001 by mail or personal delivery until Wednesday, July 18, 2012 at 10 a.m. at which date and time the bids will be opened and read publicly.

Project Scope: Irrigation and Electrical

Item No.	Construction Item	Unit	Quantity
<b>IRRIGATION AND ELECTRICAL</b>			
400	ELECTRICAL SYSTEM AND CONDUIT	LUMP SUM	1
401	IRRIGATION SYSTEM	LUMP SUM	1
402	PUMP STATION	LUMP SUM	1

The Bidder shall submit the proposal on the forms provided. The Proposal shall be filled in clearly and correctly with ink or typewriter. The Proposal shall be signed in ink by the individual, members of the partnership, or by one or more officers of the corporation making the proposal.

Bidding Documents may be obtained from the office of I&S Group, Incorporated at 115 East Hickory Street, Suite 300, Mankato, MN 56001 (Phone 507-387-6651) for a non-refundable fee of \$50.00 each. For Documents that must be mailed, the total plan fee will be \$75.00 each, shipping and handling included. When requesting mailed documents, please include your address, phone number, and fax number. Make checks payable to I&S Group, Inc.

Drawings, specifications, and other contract documents may also be obtained online at [www.questcdn.com](http://www.questcdn.com). All parties interested in obtaining construction documents online will need to log on to [www.questcdn.com](http://www.questcdn.com) to download the documents. Simply sign up for a free membership, if you do not already have one, to gain access to the documents. The downloading fee for the documents in a pdf format will be \$20.00. The downloading fee is non-refundable.

All bids shall be sealed in an opaque envelope upon which shall be plainly marked "BID ON CASWELL NORTH SOCCER COMPLEX – IRRIGATION & ELECTRICAL WORK" and the name of the bidder. If a bid is to be mailed, the bid envelope shall be sealed in a regular mailing envelope. FAX Bids will not be accepted. The Owner reserves the right to hold and consider the bids for 30 days after the date of the bid opening. Bids shall be accompanied by a cashiers check, bidder's bond, or certified check payable to for not less than five percent (5%) of the amount of such bid including add-alternates. A bidder's bond shall include certified copy of the power of attorney.

The right to waive any informality in any bid and reject any or all bids is reserved to the Owner.

Dated the **13th** day of **June 2012**.

*/s/Michael Fischer*

Michael Fischer

Interim City Administrator

## ADVERTISEMENT FOR BIDS

### City of North Mankato Caswell North Soccer Complex Site Work

Sealed Prime General Contract bids for the Caswell North Soccer Complex – Site Work will be received by the Owner at the office of I&S Group, Inc., 115 E. Hickory Street, Suite 300, Mankato, MN 56001 by mail or personal delivery until Wednesday, July 18, 2012 at 10 a.m. at which date and time the bids will be opened and read publicly.

Project Scope: Earthwork, turf restoration, concrete sidewalk, watermain, sanitary sewer, and erosion control.

Item No.	Construction Item	Unit	Quantity
<b>SITE WORK</b>			
2021.501	MOBILIZATION	LUMP SUM	1
2104.501	REMOVE EXISTING WATERMAIN	LIN FT	9
2105.501	COMMON EXCAVATION (EV)	CU YD	21,186
2105.501	COMMON EXCAVATION, TOPSOIL STRIP (EV)	CU YD	1,407
2105.501	COMMON BORROW (CV) FROM CITY STOCKPILE	CU YD	8,646
2521.501	5" CONCRETE WALK W/ 12" SAND BASE	SQ FT	92
2521.501	5" CONCRETE W/ 12" SAND BASE	SQ FT	1,080
2573.502	WOODCHIP PROTECTION BERM	LIN FT	3761
2573.530	STORM DRAIN INLET PROTECTION	EACH	20
2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	1
2575.501	SEEDING - ATHLETIC HIGH TRAFFIC SEED MIX WITH MULCH AND FERTILIZER	ACRE	21.75
2575.519	AMEND TOPSOIL WITH SAND (DISK ANCHORING)	ACRE	6.7
2503.602	CONSTRUCT SANITARY STRUCTURE	LIN FT	28.4
2503.603	6" PVC SANITARY SERVICE	LIN FT	726
2503.603	8" PVC SANITARY SERVICE	LIN FT	207
2504.602	CONNECT TO EXISTING WATERMAIN	EACH	1
2504.602	HYDRANT	EACH	1
2504.602	WATERMAIN FITTINGS	LBS	243
2504.602	6" WATERMAIN	LIN FT	969
2506.602	SANITARY CASTING ASSEMBLY, MnDOT 700-7 RING & SELF SEAL 712 COVER W/ CONCEALED PICK HOLES	EACH	2
400	NATIONAL RECREATION SYSTEMS, INC. BLEACHER NB-0327APRF	EACH	4

The Bidder shall submit the proposal on the forms provided. The Proposal shall be filled in clearly and correctly with ink or typewriter. The Proposal shall be signed in ink by the individual, members of the partnership, or by one or more officers of the corporation making the proposal.

Bidding Documents may be obtained from the office of I&S Group, Incorporated at 115 East Hickory Street, Suite 300, Mankato, MN 56001 (Phone 507-387-6651) for a non-refundable fee of \$50.00 each. For Documents that must be mailed, the total plan fee will be \$75.00 each, shipping and handling included. When requesting mailed documents, please include your address, phone number, and fax number. Make checks payable to I&S Group, Inc.

Drawings, specifications, and other contract documents may also be obtained online at [www.questcdn.com](http://www.questcdn.com). All parties interested in obtaining construction documents online will need to log on to [www.questcdn.com](http://www.questcdn.com) to download the documents. Simply sign up for a free membership, if you do not already have one, to gain access to the documents. The downloading fee for the documents in a pdf format will be \$20.00. The downloading fee is non-refundable.

All bids shall be sealed in an opaque envelope upon which shall be plainly marked "BID ON CASWELL NORTH SOCCER COMPLEX – SITE WORK" and the name of the bidder. If a bid is to be mailed, the bid envelope shall be sealed in a regular mailing envelope. FAX Bids will not be accepted. The Owner reserves the right to hold and consider the bids for 30 days after the date of the bid opening. Bids shall be accompanied by a cashiers check, bidder's bond, or certified check payable to for not less than five percent (5%) of the amount of such bid including add-alternates. A bidder's bond shall include certified copy of the power of attorney.

The right to waive any informality in any bid and reject any or all bids is reserved to the Owner.

Dated the **13th** day of **June 2012**.

*/s/Michael Fischer*

Michael Fischer

Interim City Administrator

## ADVERTISEMENT FOR BIDS

### City of North Mankato Caswell North Soccer Complex Drainage Work

Sealed Prime General Contract bids for the Caswell North Soccer Complex – Drainage Work will be received by the Owner at the office of I&S Group, Inc., 115 E. Hickory Street, Suite 300, Mankato, MN 56001 by mail or personal delivery until Wednesday, July 18, 2012 at 10 a.m. at which date and time the bids will be opened and read publicly.

Project Scope: Subdrainage, storm sewer, and appurtenances.

Item No.	Construction Item	Unit	Quantity
<b>STORM SEWER AND TILE WORK</b>			
2451.507	GRANULAR PIPE FOUNDATION (STORM)	CU YD	50
2502.541	4" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	13,810
2502.541	8" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	640
2502.541	12" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	636
2502.541	15" PERFORATED DRAIN W/COURSE FILTER AGGREGATE	LIN FT	560
2503.541	8" HDPE PIPE DRAIN	LIN FT	258
2503.541	12" HDPE PIPE DRAIN	LIN FT	333
2503.541	15" HDPE PIPE DRAIN	LIN FT	586
2503.541	18" RC PIPE DRAIN CLASS 3	LIN FT	325
2503.541	24" RC PIPE DRAIN CLASS 3	LIN FT	324
2503.541	30" RC PIPE DRAIN CLASS 3	LIN FT	232
2503.541	36" RC PIPE DRAIN CLASS 3	LIN FT	248
300	8"x90° BEND (HDPE)	EACH	1
301	8"x45° BEND (HDPE)	EACH	2
302	12"x45° BEND (HDPE)	EACH	1
2506.501	CONSTRUCT DRAINAGE STRUCTURE MnDOT 4020	LIN FT	52
2506.501	CONSTRUCT DRAINAGE STRUCTURE, 12" PVC DROP INTAKE (NYLOPLAST)	LIN FT	44
2506.502	8" CLEANOUT	EACH	1
2506.516	MnDOT 700-7 RING W/721 GRATE	EACH	6
2506.516	MnDOT 700-7 RING W/715 COVER	EACH	1
2506.516	NYLOPLAST 2718AG12N W/PEDESTRIAN H-10 GRATE	EACH	10
2506.516	CASTING ASSEMBLY, NEENAH R-3246 W/ TYPE C GRATE	EACH	1

The Bidder shall submit the proposal on the forms provided. The Proposal shall be filled in clearly and correctly with ink or typewriter. The Proposal shall be signed in ink by the individual, members of the partnership, or by one or more officers of the corporation making the proposal.

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shipping and handling included. When requesting mailed documents, please include your address, phone number, and fax number. Make checks payable to I&S Group, Inc.

Drawings, specifications, and other contract documents may also be obtained online at [www.questcdn.com](http://www.questcdn.com). All parties interested in obtaining construction documents online will need to log on to [www.questcdn.com](http://www.questcdn.com) to download the documents. Simply sign up for a free membership, if you do not already have one, to gain access to the documents. The downloading fee for the documents in a pdf format will be \$20.00. The downloading fee is non-refundable.

All bids shall be sealed in an opaque envelope upon which shall be plainly marked "BID ON CASWELL NORTH SOCCER COMPLEX – DRAINAGE WORK" and the name of the bidder. If a bid is to be mailed, the bid envelope shall be sealed in a regular mailing envelope. FAX Bids will not be accepted. The Owner reserves the right to hold and consider the bids for 30 days after the date of the bid opening. Bids shall be accompanied by a cashiers check, bidder's bond, or certified check payable to for not less than five percent (5%) of the amount of such bid including add-alternates. A bidder's bond shall include certified copy of the power of attorney.

The right to waive any informality in any bid and reject any or all bids is reserved to the Owner.

Dated the **13th** day of **June 2012**.

*/s/Michael Fischer*

Michael Fischer

Interim City Administrator

# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 12B	Department: Admin.	Council Meeting Date: 06/18/2012																																															
<b>TITLE OF ISSUE: LorRay Drive Off-Street Parking Improvements Report</b>																																																	
<b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> As part of the recent striping on the north end of LorRay Drive, on-street parking was eliminated. In response to parking concerns from area residents, the addition of off-street parking areas was discussed at a past Council meeting. Attached are two off-street parking options prepared by the City Engineer for your review and consideration. Regarding the parking option within Monarch Meadows, I have discussed this option with their management who is supportive of efforts to increase off-street parking in this area. Should the City Council wish to implement a parking area, funding would come from the Construction Fund. After speaking with the Street Superintendent, I believe this project could potentially be done by City forces at a similar cost to the Engineer's Estimate.																																																	
<i>If additional space is required, attach a separate sheet</i>																																																	
<b>REQUESTED COUNCIL ACTION:</b> Consider the two presented off-street parking areas including financial commitment.																																																	
<b>For Clerk's Use:</b>  Motion By: _____ Second By: _____  Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Schindle</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Freyberg	_____	_____	Steiner	_____	_____	Norland	_____	_____	Schindle	_____	_____	Dehen	<b>SUPPORTING DOCUMENTS ATTACHED</b>  <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: center;">Other (specify) _____</td> <td colspan="3" style="text-align: center;">Engineer's Estimates, Diagram</td> </tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> </table>	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other (specify) _____		Engineer's Estimates, Diagram			_____					_____					_____				
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## PRELIMINARY ENGINEER'S ESTIMATE

2012 LOR RAY DRIVE PARKING IMPROVMENTS

CITY OF NORTH MANKATO, MN

BMI PROJECT NO.: M19.104353

### LOCATION B - 7 STALLS WITH 1 HANDICAP STALL

NO.	ITEM	UNIT	UNIT PRICE	QTY	TOTAL
1	MOBILIZATION	LS	\$2,000.00	1	\$2,000.00
2	TRAFFIC CONTROL	LS	\$500.00	1	\$500.00
3	REMOVE CURB & GUTTER	LF	\$2.00	90	\$180.00
4	COMMON EXCAVATION (P)	CY	\$7.00	110	\$770.00
5	TOPSOIL BORROW (LV)	CY	\$14.00	50	\$700.00
6	AGGREGATE BASE CLASS 5 100% CRUSHED LIMESTONE (CV) (P)	CY	\$35.00	45	\$1,575.00
7	TYPE MV3 WEAR COURSE MIX (B) 1.5" THICK (P)	SY	\$5.75	170	\$977.50
8	TYPE MV3 WEAR COURSE MIX (B) 2.5" THICK (P)	SY	\$9.60	170	\$1,632.00
9	BITUMINOUS MATERIAL FOR TACK COAT (P)	GAL	\$3.00	9	\$27.00
10	CONCRETE CURB & GUTTER DESIGN	LF	\$12.00	130	\$1,560.00
11	60" PAN GUTTER	LF	\$45.00	90	\$4,050.00
12	PARKING LOT STRIPING	LF	\$2.00	230	\$460.00
13	PREFABRICATED INLET PROTECTION	EA	\$150.00	1	\$150.00
14	SEEDING	ACRE	\$5,000.00	0.1	\$500.00
15	SEED MIX 270 RT (180 LBS/ACRE)	LB	\$7.00	18	\$126.00
16	FERTILIZER (200 LBS/ACRE)	LB	\$7.00	20	\$140.00
17	HYDRAULIC SOIL STABILIZER, TYPE V (1.75 TONS/ACRE)	TON	\$1,500.00	0.18	\$270.00
SUBTOTAL					\$15,617.50
CONTINGENCIES					\$1,561.75
TOTAL ESTIMATED CONSTRUCTION COST					\$17,179.25
DESIGN ENGINEERING					\$1,546.13
CONSTRUCTION ENGINEERING					\$1,546.13
CITY ADMINISTRATION					\$858.96
TOTAL ESTIMATED PROJECT COST					\$21,130.48

# PRELIMINARY ENGINEER'S ESTIMATE

2012 LOR RAY DRIVE OFF STREET PARKING IMPROVMENTS

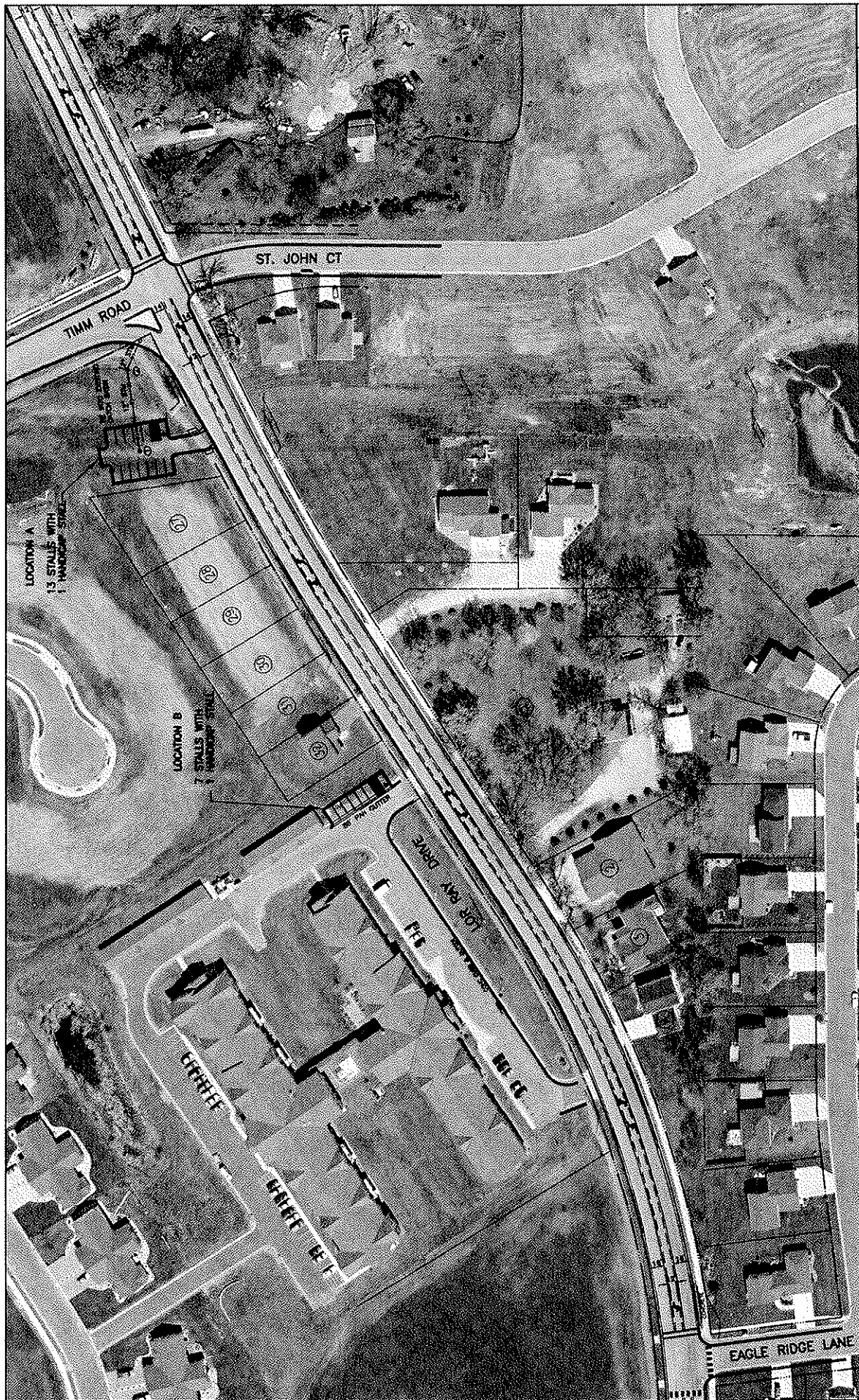
CITY OF NORTH MANKATO, MN

BMI PROJECT NO.: M19.104353

## LOCATION A - 13 STALLS WITH 1 HANDICAP STALL

NO.	ITEM	UNIT	UNIT PRICE	QTY	TOTAL
1	MOBILIZATION	LS	\$2,000.00	1	\$2,000.00
2	TRAFFIC CONTROL	LS	\$1,000.00	1	\$1,000.00
3	REMOVE CURB & GUTTER	LF	\$2.00	30	\$60.00
4	REMOVE BIT TRAIL	SF	\$1.00	144	\$144.00
5	COMMON EXCAVATION (P)	CY	\$7.00	450	\$3,150.00
6	TOPSOIL BORROW (LV)	CY	\$14.00	175	\$2,450.00
7	AGGREGATE BASE CLASS 5 100% CRUSHED LIMESTONE (CV) (P)	CY	\$35.00	150	\$5,250.00
8	TYPE MV3 WEAR COURSE MIX (B) 1.5" THICK (P)	SY	\$5.75	650	\$3,737.50
9	TYPE MV3 WEAR COURSE MIX (B) 2.5" THICK (P)	SY	\$9.60	650	\$6,240.00
10	BITUMINOUS MATERIAL FOR TACK COAT (P)	GAL	\$3.00	33	\$99.00
11	CONCRETE CURB & GUTTER DESIGN B618	LF	\$12.00	360	\$4,320.00
12	PARKING LOT STRIPING	LF	\$2.00	690	\$1,380.00
13	6" CONCRETE WALK	SF	\$5.00	130	\$650.00
14	TRUNCATED DOMES	SF	\$45.00	16	\$720.00
15	7" CONCRETE DRIVEWAY PAVEMENT	SF	\$6.00	150	\$900.00
16	CONNECT TO EXISTING STORM SEWER	EA	\$550.00	1	\$550.00
17	12" PVC STORM SEWER	LF	\$25.00	130	\$3,250.00
18	DRAINAGE STRUCTURE, R-1	LF	\$215.00	1	\$215.00
19	STORM SEWER CASTING ASSEMBLY	EA	\$450.00	2	\$900.00
20	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EA	\$650.00	1	\$650.00
21	PREFABRICATED INLET PROTECTION	EA	\$150.00	2	\$300.00
22	SEEDING	ACRE	\$3,000.00	0.45	\$1,350.00
23	SEED MIX 270 RT (180 LBS/ACRE)	LB	\$7.00	81	\$567.00
24	FERTILIZER (200 LBS/ACRE)	LB	\$7.00	90	\$630.00
25	HYDRAULIC SOIL STABILIZER, TYPE V (1.75 TONS/ACRE)	TON	\$1,500.00	0.55	\$825.00
SUBTOTAL					\$41,337.50
CONTINGENCIES					\$4,133.75
TOTAL ESTIMATED CONSTRUCTION COST					\$45,471.25
DESIGN ENGINEERING					\$4,092.41
CONSTRUCTION ENGINEERING					\$4,092.41
CITY ADMINISTRATION					\$2,273.56
TOTAL ESTIMATED PROJECT COST					\$55,929.64





**BOLTON & MENK, INC.**  
 Consulting Engineers & Surveyors  
 MANKATO, MN 56001, MN, SLEEPY FLY, MN, WILLIAM, MN  
 BURNSVILLE, MN, CHISHAM, MN, MAJESTY, MN

**CITY OF NORTH MANKATO**  
 PARKING IMPROVEMENTS 2012  
 LOR RAY DRIVE OFF STREET PARKING

DATE: 10/22/12  
 DRAWN BY: J. B. BOLTON  
 CHECKED BY: J. B. BOLTON  
 APPROVED BY: J. B. BOLTON

SHEET  
 1

## REQUEST FOR COUNCIL ACTION



Agenda Item # 12C	Department: Admin.	Council Meeting Date: 06/18/2012																																																				
<b>TITLE OF ISSUE: Brush Pick-up Report</b>																																																						
<b>BACKGROUND AND SUPPLEMENTAL INFORMATION: See attached memo.</b>																																																						
<i>If additional space is required, attach a separate sheet</i>																																																						
<b>REQUESTED COUNCIL ACTION: Review existing brush disposal policy.</b>																																																						
<b>For Clerk's Use:</b>  Motion By: _____ Second By: _____  Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Schindle</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Freyberg	_____	_____	Steiner	_____	_____	Norland	_____	_____	Schindle	_____	_____	Dehen	<div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;"> <b>SUPPORTING DOCUMENTS ATTACHED</b> </div> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: center;">Other (specify)</td> <td colspan="3" style="text-align: center;">Memo</td> </tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> </table>	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other (specify)		Memo			_____					_____					_____					_____				
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## ***MEMORANDUM***

TO: Honorable Mayor and City Council

FROM: Michael Fischer, Interim City Administrator

DATE: June 11, 2012

SUBJECT: Brush Pick-up

In regard to the brush pick-up issue which has been discussed at the past two City Council meetings, I have had the opportunity to talk to the appropriate department heads about past and current brush pick-up and drop-off policies. Up until the fall of 2011, residential brush was picked up curbside by City staff on a monthly basis and taken to the compost site. Currently, residents are responsible for taking their own brush to the compost site for disposal. Tree service contractors have not been permitted to dispose of their brush at the compost site due to volume issues.

As you know, recently a resident hired a contractor to trim trees. The contractor tried to dispose of the brush at the compost site but was not allowed to do so under current City policy. As a result of the situation, staff has been discussing current policies for residential brush disposal. At present, residents may personally bring brush items to the compost site using their own or borrowed transportation. Due to the volume issue at the compost site, contractors are not allowed to dispose of brush at the compost site. One alternative discussed by staff was to issue permits that would allow contractors working in North Mankato to dispose of brush at the compost site. However, due to potential abuse of the permit by contractors and permit enforcement at the compost site, the alternative was not strongly supported by staff.

In regard to the monthly brush pick-up service previously offered to residents, the Street Superintendent indicated that approximately \$1,000 to \$1,200 per month was allocated to staff for this service in the past. Generally, over the course of one week, two staff persons would pick up and chip brush curbside on a monthly basis. According to the Street Superintendent, he would be able to allocate staff on a monthly basis to pick up curbside brush. Or, the current policy could continue to be enforced. According to staff, since the curbside pick-up was discontinued, very few residents have expressed concern about the loss of this service.

In summary, staff recommends either continuing with the existing policy or resuming monthly curbside pick-up during the spring, summer and fall months.



# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 12D	Department: Admin.	Council Meeting Date: 06/18/2012																																	
<b>TITLE OF ISSUE: Review of Benson Park Playground Equipment</b>																																			
<p><b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> On April 16, 2012, the City Council approved the purchase of playground equipment for Benson Park. As site work has begun near the picnic area located in the southwest corner of Benson Park, citizen concerns have been raised about the location and type of playground equipment selected. While the City is attempting to secure matching funds for the implementation of the Benson Park plan, based on area residential development, there is a pressing need to provide recreational opportunities for children in this area. Attached is the Benson Park Master Plan map and a picture of the playground equipment purchased.</p> <p style="text-align: right; font-style: italic; font-size: small;">If additional space is required, attach a separate sheet</p>																																			
<b>REQUESTED COUNCIL ACTION: Review placement of purchased playground equipment within Benson Park.</b>																																			
<p><b>For Clerk's Use:</b></p> <p>Motion By: _____</p> <p>Second By: _____</p> <p>Vote Record:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Aye</td> <td style="width: 15%; text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td></td> <td></td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td></td> <td></td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td></td> <td></td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td></td> <td></td> <td>Schindle</td> </tr> <tr> <td style="text-align: center;">_____</td> <td></td> <td></td> <td>Dehen</td> </tr> </table>		Aye	Nay		_____			Freyberg	_____			Steiner	_____			Norland	_____			Schindle	_____			Dehen	<p style="text-align: center;"><b>SUPPORTING DOCUMENTS ATTACHED</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Resolution</td> <td style="width: 20%;">Ordinance</td> <td style="width: 20%;">Contract</td> <td style="width: 20%;">Minutes</td> <td style="width: 20%;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> <p>Other (specify) <u>Benson Park Master Plan</u></p> <p><u>Picture of Playground Equipment</u></p> <p>_____</p> <p>_____</p> <p>_____</p>	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Concept Overview:

Overall Park Theme

- The Natural Resources Park theme focuses on teaching users the natural environment of various ecosystems as well as the importance of preserving natural habitats.
- Interpretive areas will encourage learning of the Woodland, Wetland, Oak Savanna, and Prairie habitats and other natural resource opportunities.
- Trails will direct users to the various restored natural habitats.
- Active play include interpretive destinations designed to set the scene for open-ended, visitor-driven discovery and to put users in high quality places to experience nature.

Parking/Circulation

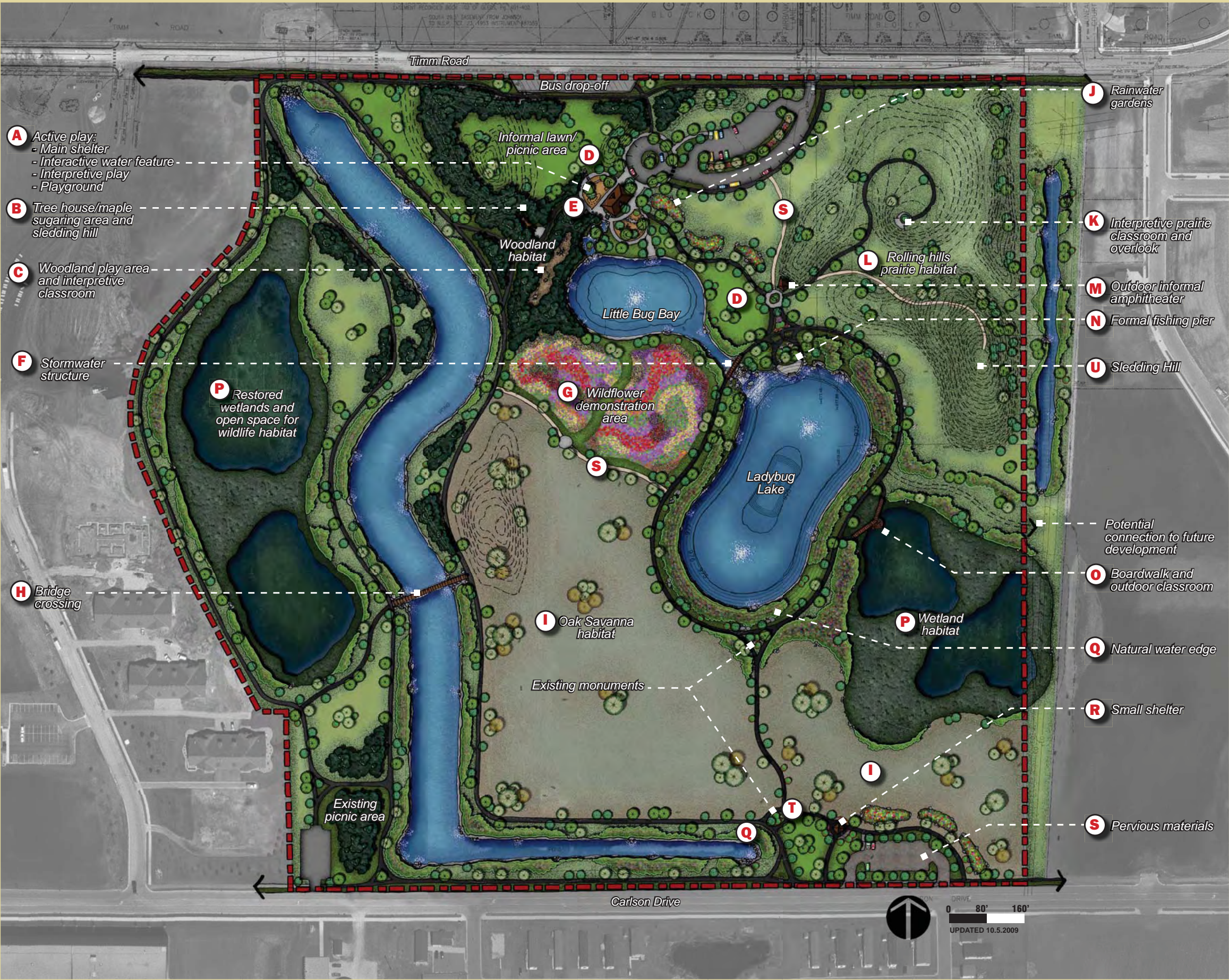
- Proposed parking located at edges of park. Main parking lot is located at the north end of the park and provides a safe circulation between vehicles and pedestrians.
- Southeast parking lot provides an alternate access to the park
- Users are encouraged to experience the park through trails.
- Southwest parking and picnic area to remain.

Stormwater/Wetland

- Use of rainwater gardens to treat stormwater runoff from impervious surfaces.
- Naturalize edges of stormwater ponds to minimize maintenance.
- Restore wetland area to establish wildlife habitat.
- Minimize access to ponds.

Park features

- Outdoor classrooms/ demonstration areas
- Formal and Informal park shelters
- Formal fishing pier
- Interpretive play and signage
- Natural play area
- Playground equipment
- Natural amphitheater
- Picnic areas/informal lawn
- Interpretive boardwalk
- Bridge crossing
- Bird watching
- Year-round activities





**City Park**  
North Mankato, MN.

669-64591

**CLEARWATER  
RECREATION, LLC**

329 East Lake Street, Wisconsin, MN 55387  
Phone: 952-442-1490  
Toll Free: 866-654-1490  
Fax: 952-442-1490  
Email: clearwaterrecreation@msn.com  
www.clearwaterrecreation.com



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structures**  
A PLAYCORE COMPANY

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[www.playandpark.com](http://www.playandpark.com)



# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 12E	Department: Admin.	Council Meeting Date: 06/18/2012
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<b>TITLE OF ISSUE:</b> School and Conference
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<b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> For item 1 we are requesting actual and necessary expenses for the listed employee to attend the school and conference listed. No out-of-state travel is involved.
<i>If additional space is required, attach a separate sheet</i>

<b>REQUESTED COUNCIL ACTION:</b> Approve actual and necessary expenses

<b>For Clerk's Use:</b>																			
Motion By: _____ Second By: _____																			
Vote Record: <table style="margin-left: 20px;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Schindle</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Freyberg	_____	_____	Steiner	_____	_____	Norland	_____	_____	Schindle	_____	_____	Dehen	
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SUPPORTING DOCUMENTS ATTACHED				
Resolution	Ordinance	Contract	Minutes	Map
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Other (specify) _____		Travel & Training Request		
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Date: 06-06-12

CITY OF NORTH MANKATO  
Training and Travel Request

Department: Police

Names: Chris Boyer

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Number of Personnel Attending: 1

Event: Effective communications

Dates: 08-29-2012

Location: State Emergency operation center (St. Paul)

Required Training for Certification/License: ☒ Yes ☐ No

What Certification/License is this training required for? \_\_\_\_\_

Emergency Management Certification

Description: \_\_\_\_\_

(see Attached)

\_\_\_\_\_

Log-off



## Minnesota Division of Homeland Security and Emergency Management



View/Register for Courses ▾

Course Evaluation

Participant History ▾

Participant Profile

### Course Information

<b>Course Name:</b>	Effective Communication PDS Capstone
<b>Course Code:</b>	*PDS242
<b>Maximum Participants:</b>	40
<b>Seats Available:</b>	30
<b>Wait List Seats Available:</b>	10
<b>Instructor(s):</b>	Kara Owens Julie Anderson
<b>Registration Time:</b>	1245
<b>Date:</b>	8/29/2012
<b>Time:</b>	1300 - 1630
<b>Location:</b>	State Emergency Operations Center, St. Paul

#### Description

The Minnesota Division of Homeland Security and Emergency Management is pleased to offer the Professional Development Series (PDS) Capstone Seminar entitled *Effective Communication*. This 3.5 hour workshop is designed to address public speaking, dissemination of public information, communications during crisis situations, and how to deal effectively with the news media.

This workshop's goal is to present valuable information beyond that covered in the independent study course. The intent is to provide each emergency manager with the basic skills that are needed to be successful in his/her position.

#### Purpose

Upon completion of this course, participants will be able to:

- Differentiate between the needs of print and electronic media.
- Understand how to work with the news media in daily situations and under emergency circumstances.
- Determine the appropriate message for each specific target audience.
- Demonstrate communications skills, including the use of technology, to make an effective presentation.

#### Agenda

Agenda will be sent to students via email for this course.

#### Notes

The Minnesota Peace Officer Standards and Training (POST) Board has approved this workshop for continuing education credit.

- Course Title: Effective Communication
- Course Number: 9047-0192

- Credit Hours Approved: 03
- Course Approval Date: August 7, 2009 through August 6, 2012

For continuing education credit, peace officers should keep copies of their course training materials and course completion certificate, in the event they are audited by the POST Board.

Course materials are printed, 3-hole punched and secured with a single metal book ring. Due to cost, vinyl binders are no longer provided, so please feel free to bring your own spare binder to class.

[Back to the Main Course Page](#)

# CITY OF NORTH MANKATO

## REQUEST FOR COUNCIL ACTION



Agenda Item # 14A	Department: Finance	Council Meeting Date: 06/18/2012																																																				
<b>TITLE OF ISSUE: 2013 Budget Calendar</b>																																																						
<b>BACKGROUND AND SUPPLEMENTAL INFORMATION:</b> Attached is the 2013 Budget Calendar. This calendar indicates deadlines for budgetary purposes. Budget workshops are also listed on the calendar.																																																						
<i>If additional space is required, attach a separate sheet</i>																																																						
<b>REQUESTED COUNCIL ACTION: Approve 2013 Budget Calendar</b>																																																						
<b>For Clerk's Use:</b>  Motion By: _____ Second By: _____  Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Schindle</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Freyberg	_____	_____	Steiner	_____	_____	Norland	_____	_____	Schindle	_____	_____	Dehen	<b>SUPPORTING DOCUMENTS ATTACHED</b>  <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="text-align: center;">Other (specify)</td> <td colspan="3" style="text-align: center;">2013 Budget Calendar</td> </tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> <tr><td colspan="5">_____</td></tr> </table>	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other (specify)		2013 Budget Calendar			_____					_____					_____					_____				
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**CITY OF NORTH MANKATO  
BUDGET CALENDAR  
FISCAL YEAR 2013 BUDGET**

June 29	Finance Director distributes budget calendars, budget worksheets and capital improvement worksheets to all Department Heads.
July 13	Department Heads submit budget and capital improvement requests.
July 13-27	Finance Director assembles preliminary City budget.
July 31	Deadline for Department of Revenue to certify Local Government Aid to be paid in 2013.
August 1	Last day for Volunteer Firefighters Relief Association officers to project accrued liability of the fund and certify requirements to City Council.
August 6 (5:00 p.m.)	Council Workshop with Department Heads.
August 27 (6:00 p.m.)	Council Budget Workshop.
Sept. 4 (6:00 p.m.)	Council Budget Workshop.
September 4	Proposed 2013 Budget submitted to City Council.
September 4	City certifies proposed levy.
Sept. 11 (7:30 a.m.)	Preliminary budget presented to North Mankato Port Authority Commission for approval.
September 15	Deadline for counties, cities, towns, school districts and special taxing districts to certify proposed tax levies to county auditors.
September 17	Proposed 2013-2017 Capital Improvement Plan to City Council.



October 1 (6:00 p.m.)	Council Budget Workshop.
October 15 (6:00 p.m.)	Council Budget Workshop.
November 11-24	Period for county auditors to prepare and county treasurers to mail notices of proposed tax levies to taxpayers.
November 13 (6:00 p.m.)	Council Budget Workshop.
November 21	Publish notice of public hearing.
November 26- December 20	Period for counties, cities and school districts to hold public hearings to adopt final tax levies.
December 3 (Monday)	City Council holds required Public Hearing (1st hearing).
December 10 (Monday)	City Council holds Public Hearing (continuation hearing). (If necessary)
December 17	City Council adopts 2013 Budget and Tax Levy (subsequent hearing).
December 17	City Council holds public hearing on 2013-2017 Capital Improvement Plan.
December 28	Deadline for all local governments to certify final tax levies to county auditors. No extension authorized.
December 28	Deadline for counties, cities, towns and school districts to certify compliance with Truth in Taxation Law to Department of Revenue.
January 31	Deadline to submit summary budget information to State Auditor. Publish budget summary in newspaper.

**BOLTON & MENK, INC.**  
Consulting Engineers & Surveyors



**MALM AWARDED 2012  
ENGINEER OF THE  
YEAR AWARD**

It is our pleasure to inform you that Brian Malm, Principal Project Manager in the Mankato office, has been awarded the 2012 Engineer of the Year Award from the

Minnesota Society of Professional Engineers. The award recognizes outstanding achievements by engineers. Specific requirements include engineering achievements, professional experience, educational and collegiate achievements, professional society activities, technical society activities, civic and humanitarian activities and continuing competence.



507-625-4171 | [www.bolton-menk.com](http://www.bolton-menk.com)

Minnesota based firm with twelve offices

***DESIGNING FOR A BETTER TOMORROW***

CLAIM REPORT  
FOR REGULAR COUNCIL MEETING OF JUNE 18, 2012

72194	Region 2A	10% concession stand sales tournament 5/26, 29, 31	\$631.94
72195	MAYBA/Royals	10% concession stand sales tournament 6/1-6/3	\$655.96
72196	HickoryTech	telephone & internet bill-All Depts.	\$3,664.45
72197	Jonckowski, Dick	emcee for MSHSL Banquet-Comm Dev	\$200.00
72198	Petty Cash, Clara Thorne	additional starting cash funds & pop machine-Caswell	\$466.00
72199	PowerPlan	equipment parts-Street, Park, Sewer & Sanitation	\$3,099.88
72200	Verizon Wireless	cell phone bill-Comm Dev, Port Auth & Public Access	\$172.36
72201	Cardmember Service	charge card items-All Depts.	\$16,610.02
72202	Charter Communications	high speed data service-Pol, Fire, Contingency & P/A	\$442.96
72203	Dahl, Cathy	class stipend/supplies for Art Splash	\$75.00
72204	Fischer, Mark	class stipend/supplies for Art Splash	\$75.00
72205	Fischer, Nicole	class stipend/supplies for Art Splash	\$75.00
72206	Freeman, Jeremy	class stipend/supplies for Art Splash	\$75.00
72207	Hoffman Construction Co.	Estimate #12 CSAH 41/Carlson Dr/ Howard Dr Ext	\$124,292.15
72208	Hoffman, Ed	advance for conference-Fire Dept.	\$100.00
72209	Lowry, Emily	class stipend/supplies for Art Splash	\$75.00
72210	AT & T Mobility	cell phone bill-Bookmobile	\$24.18
72211	ICMA Retirement Trust - 457	employee payroll deductions	\$4,388.85
72212	ICMA Retirement Trust -Roth IRA	employee payroll deductions	\$430.77
72213	Law Enforcement Labor Service	employee payroll deductions	\$450.00
72214	NCPERS Minnesota-Unit 662400	employee payroll deductions	\$176.00
72215	United Way	employee payroll deductions	\$211.30
72216	North Mankato Motor Vehicle Reg	MVET for 1999 Ford F350-Equipment Certificate	\$1,124.00
	A-1 Key City Locksmiths, Inc.	keys-Swim Facility & Park	\$32.08
	Abdo, Eick & Meyers	special audit service for Federal dollars-2011 Const	\$7,000.00
	Action Fleet, Inc.	gun racks-Police Dept.	\$949.03
	Adams, Nicole	supply-Police Dept.	\$41.33
	Alex Air Apparatus, Inc.	supplies & gloves for turnout gear-Fire Dept.	\$622.54
	All American Towing	towing charge-Police Dept.	\$57.98
	Alpha Wireless Communications	equipment parts-Street Dept.	\$36.98
	Ameripride Services	mats, uniform & towel service-All Depts.	\$690.80
	American Test Center	ladder testing-Fire Dept.	\$975.00
	American Water Works Assoc.	membership dues-Water Dept.	\$179.00

# CLAIMS CONTINUED

AmLawn, Inc.	lawn mowing-Park Dept.	\$2,292.46
Angie's Artisan Treats	kettle corn-Caswell	\$210.00
Audio Editions	audio books-Library	\$16.00
Barron's	renew subscription-Library	\$199.00
Benco Electric Cooperative	install street light-Street Lighting	\$1,170.00
Border States Electric Supply	electrical supplies for sign-Sales Tax	\$11.05
Boyer Trucks	equipment parts-Street Dept.	\$408.23
Brandt Garment Lettering	hats & shirts Forsberg Air Show-Comm Dev	\$1,754.96
Carquest Auto Parts	equipment parts & supplies-Mun Bldg & Street	\$341.47
Casey's General Stores, Inc.	unleaded fuel-Police & Park Depts.	\$37.25
Catco Parts Service	equipment parts-Sewer Dept.	\$28.82
City of Mankato	water bill-Public Access	\$15.26
City of St. Peter	towing charge-Tactical Response Team	\$190.06
Clarey's Safety Equipment	training material to be reimbursed-Fire Dept.	\$1,000.00
Coca-Cola Refreshments	pop-Caswell	\$287.12
Computer Technology Solutions	computer repairs-Police, Inspections & Park	\$1,160.03
Culver's	ice cream-Caswell	\$163.50
Dairy Queen West	ice cream-Caswell	\$1,547.00
Davidson, Dan	supplies & travel expense-Task Force	\$1,220.28
DEMCO, Inc.	supplies-Library	\$692.51
Diamond Vogel Paint	paint-Street & Caswell	\$1,315.47
Duo-Safety Ladder Corp.	supplies-Fire Dept.	\$109.25
Dueco, Inc.	equipment parts-Park Dept.	\$1,468.77
EPA Audio Visual, Inc.	portable screen-Admin	\$648.74
Express Services, Inc.	temporary crossing guards-Police Dept.	\$572.85
Fastenal Company	supplies-Swim Facility	\$5.66
First Line/Leewes Ventures	items for concession stand-Caswell	\$1,899.45
Flags USA, Inc.	flags-Mun Bldg	\$617.00
Free Press	ad-Contingency	\$220.95
G & H Ready Mix	catch basin repairs-Storm Water	\$1,090.39
G & L Auto Supply	equipment parts & supplies-All Depts.	\$1,374.58
Gale Group	books-Bookmobile	\$172.00
Gopher State One-Call	one-call locates-Inspection	\$269.80
Great American Business Products	supplies-Park Dept.	\$582.40
Hach Company	supplies for water testing-Water Dept.	\$141.42
Hancock Concrete Products	concrete rings-Storm Water	\$997.30
Hansen Sanitation	refuse pickup-Sanitation	\$276.12
Hawkeye Foodservice Distribution	items for concession stand-Caswell	\$9,678.52
Hermel, A. H. Company	hot chocolate-Library	\$118.01
Hilltop Florist & Greenhouse	flowers-Caswell, Park & Water Depts.	\$1,998.27



## CLAIMS CONTINUED

Home Magazine	ad-Contingency	\$80.00
Howard, Melissa	summer reading program-Library	\$400.00
Infratech Infrastructure Technologies	equipment parts-Caswell	\$292.04
Ingram Library Services	books-Library & Bookmobile	\$1,438.10
Jeane Thorne, Inc.	professional service-Task Force	\$2,366.00
Keller, J. J. & Associates, Inc.	drug testing-All Depts.	\$153.60
Kendell Doors & Hardware	supply-Water Dept.	\$45.00
Kennedy & Kennedy Law Office	legal services-Attorney	\$7,925.21
Keystone	equipment parts-Park Dept.	\$575.81
LJP Enterprises of St. Peter	wire baling & gaylords-Sanitation	\$290.00
LJP Waste & Recycle	transportation charges-Sanitation	\$583.20
Lager's of Mankato, Inc.	equipment parts-Mun Bldg	\$132.88
L.M.C.I.T.	property-casualty insurance-All Depts.	\$139,939.00
Lookout Drive Welding	plowing & seeding soccer fields & Caswell-Sales Tax	\$1,884.00
Lowry, Lucy	nooks-Library	\$144.95
M & M Signs, Inc.	repair field lights-Caswell	\$375.00
MTU Onsite Energy	equipment parts-Water Dept.	\$111.51
MacTools Distributor	supplies-Shop	\$34.34
Mankato Ford, Inc.	equipment parts-Police & Street	\$873.74
Mankato Motor Company	equipment parts-Street & Park Depts.	\$229.12
Mankato Oil & Tire Company	equipment parts-Task Force	\$138.62
Matheson Tri-Gas Company	welding supplies-Shop	\$103.50
McGowan Water Conditioning	salt for softener-Police Dept.	\$14.01
Menards-Mankato	supplies, dehumidifier & refrigerator-Caswell, Park & Swr	\$443.31
Minnesota Iron & Metal Company	equipment parts-Street & Sewer Depts.	\$324.19
Minnesota Pipe & Equipment	equipment parts & supplies-Water & Storm Water	\$1,117.76
Minnesota Taxpayers Association	membership dues-Admin	\$150.00
Minnesota Truck & Tractor, Inc.	equipment parts-Police & Street	\$123.88
Minnesota Valley Testing Lab	water testing-Water Dept.	\$158.75
Minnesota Waste Processing	processing fees-Sanitation	\$24,403.57
Mobile Glass Service	windshield repair-Park Dept.	\$35.00
Moss & Barnett	legal services for franchise Charter Comm-P/A	\$1,315.50
Motorola Solutions, Inc.	radios for Police Reserves-Police Dept.	\$4,335.41
MTI Distributing, Inc.	equipment parts-Park Dept.	\$5,041.07
Mutch Northside Hardware	supplies-All Depts.	\$1,338.45
Nelson Printing Company	printed materials-Sanitation	\$1,317.48
Newman Signs	speed sign & stencils-Sales Tax Const & 2011 Const	\$4,796.21
Norman, Bob	computer repair-Water Dept.	\$300.00
North Central International	equipment parts-All Depts.	\$339.64
North Kato Supply	paint-Caswell	\$59.32

CLAIMS CONTINUED

O'Reilly Auto Parts	equipment parts-Park Dept.	\$8.04
OverDrive, Inc.	downloadable audio books & ebooks-Library	\$1,372.18
Paragon Printing, Mailing & Specialties	visitor's guide-Comm Dev	\$8,438.71
Pepsi-Cola of Mankato, Inc.	pop & water-Caswell & Comm Dev	\$5,007.70
Peterson, Lynette	items for concession stand-Caswell	\$154.04
Petty Cash, Clara Thorne	petty cash items-All Depts.	\$204.76
Premier Veterinary Center	animal impound-Police Dept.	\$1,466.00
Reichel Painting Company	supply-Shop	\$43.34
Red Feather Paper Company	cleaning supplies-All Depts.	\$326.23
River Bend Business Products	copier maintenance & paper-Str, Library & Comm Dev	\$782.72
Schwicker's	service air conditioner-Public Access	\$242.00
Select Account	June participant fee-Unallocated	\$102.48
Seppmann, Jadd & Sons, Inc.	pump repair-Storm Water	\$3,268.42
Sherwin-Williams	paint-Swim Facility & Sewer	\$282.41
Sign Pro	supplies-Street, Park & Water	\$29.96
South Central Glass, Inc.	repair glass on bus shelter-Street Dept.	\$385.28
South Central College	training-Police Dept.	\$1,000.00
Southern Minnesota Construction	asphalt & emulsion oil-Street Dept.	\$4,897.68
SPS Companies	equipment parts & supplies-Park & Water Depts.	\$135.32
Staples Advantage	supplies-Library	\$30.60
Superior Concrete	catch basin repairs-Storm Water	\$256.80
Sweeney Controls Company	equipment repair-Sewer Dept.	\$746.43
Tire Associates	tire repairs-Police & Park Depts.	\$177.41
Tri-County Communications	new radio & radio repairs-Inspection, Shop & Park	\$474.85
Verizon Wireless	cell phone & internet bill-All Depts.	\$963.44
Viking Fire & Safety	service fire extinguishers-Police, Fire & Water	\$649.49
Viking Electric Supply	electrical supplies-Caswell, Park & Sales Tax Const	\$371.43
Web Construction, Inc.	labor & materials for Caswell roof-Sales Tax Const	\$24,471.62
Wells Concrete	concrete-Street, Sales Tax & Storm Water	\$2,886.65
Werner Electric Supply	electrical supplies-Caswell, Sales Tax Const & Water	\$1,597.62
Westman Freightliner	equipment parts-Bookmobile	<u>\$92.72</u>
Subtotal	Claims paid & to be paid	\$468,998.01
Voids:		
72128	Void	Void (\$571,970.15)
72143	Void	Void <u>(\$140.00)</u>
Grand Total		<u><u>(\$103,112.14)</u></u>

## CLAIMS CONTINUED

General	\$179,324.13
Library	\$13,891.46
Bookmobile	\$1,287.63
Community Development	\$11,211.19
Local Option Sales Tax	\$10,471.33
Contingency	\$619.28
Port Authority	\$54.81
Equipment Certificates	\$1,124.00
Local Option Sales Tax Construction	\$29,143.49
2011 Construction	(\$439,524.80)
Water	\$24,264.73
Sewer	\$18,782.11
Sanitary Collection	\$32,832.51
Storm Water	\$6,702.72
Public Access	\$2,040.72
Minnesota River Valley Drug Task Force	\$4,472.49
Tactical Response Team	\$190.06
	<hr/>
Total	<u><u>(\$103,112.14)</u></u>

PORT AUTHORITY INVOICES  
FOR REGULAR COUNCIL MEETING OF JUNE 18, 2012

Verizon Wireless	cell phone-Port Authority	<u>\$54.81</u>
Total		<u><u>\$54.81</u></u>

List of Port Authority Bills in the Amount of \$54.81

Council Meeting of June 18, 2012

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Mayor Mark Dehen

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Council Member Bill Schindle

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Council Member Diane Norland

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Council Member William Steiner

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Council Member Robert Freyberg



List of Bills in the Amount of (\$103,112.14)

Council Meeting of June 18, 2012

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Mayor Mark Dehen

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Council Member Bill Schindle

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Council Member Robert Freyberg