Lewiston City Council
Regular Council Meeting
Agenda
April 8, 2026
Council Chambers - 6:00 PM

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Agenda Changes & Additions
5. Consent Agenda
   a. Special Meeting Minutes - March 23, 2026
   b. Claims - Approve Before Payment
   c. Claims - Approve After Payment
   d. Approve hiring of Ambulance Volunteer Brynn Lenz
   e. Approve Resolution# 2026-15 Authorizing Pay Request No. 6 for 2025 Public Safety Center - Olympic Builders
   f. Approve Resolution# 2026-16 Authorizing Pay Request No. 9 for 2025 WWTP Facility Improvements - Wapasha Construction
   g. Approve the MNWARN Mutual Aid Agreement
6. Public Comments
7. Reports of Departments
   a. Monthly Ambulance Report
8. Reports of Committees/Commissions
9. Requests, Petitions and Communications
   a. City Re-Branding and Marketing - Phase 2 Survey Results and Presentation
   b. Approve Resolution #2026-17 Accepting 2026 Street Improvement & Utility Project Bid Results and Award Bid and Authorize Construction Engineering
   c. Approve the Public Safety Center Donor Wall for the Public Safety Center building at a total cost of $14,599.53.
   d. Approve Water Softener for the new Public Safety Building for $7,653
   e. Brush site pad and road rebuild
   f. Lawn mower trade in quotes
10. Public Hearings
    a. Public Hearing on the CUP for MinnWest Bank and Approve the Site Plan & CUP for MinnWest Bank
11. Ordinance First Readings
12. Ordinance Secord Readings
13. Council Concerns

14. Recess
15. Work Session
16. Adjourn

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Special Meeting Minutes - March 23, 2026

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Minutes

FROM:
Charayah Nelson

Background:
Council to approve the special meeting minutes from March 23, 2026.

Staff Recommendation:
Council to approve the special meeting minutes from March 23, 2026.

Attachments:
2026-03-23 Final.pdf

Lewiston Council Mtg 3-23-26
Special Meeting Minutes
Council Chambers - 6:00 PM

Remote Participation - In accordance with the requirements of Minn. Stat. Section 13D.02, notice is hereby given that some Council or Board members may participate remotely via interactive technology

1) Call to Order

Meeting called to order at 6:01pm

2) Pledge of Allegiance

3) Roll Call

Present: Beth Carlson, Marc Potter, Chad Eggert, Jason Beck, and Ryan Good
Also Present: Ragini Varma, Charisse Rinn, Dan Horvat, Calley Bortz, and Charayah Nelson

4) Agenda Changes & Additions

Jason Beck motions to approve agenda as presented, seconded by Chad Eggert. Motion carried 5 - 0
Voting For: Beth Carlson, Marc Potter, Chad Eggert, Jason Beck, Ryan Good
Voting Against: None

5) Consent Agenda

5.a) *Regular Meeting Minutes - March 11, 2026*
5.b) *Claims - Approve Before Payment*
5.c) *Claims - Approve After Payment*

Jason Beck motions to approve the consent agenda as presented., seconded by Chad Eggert. Motion carried 5 - 0
Voting For: Beth Carlson, Marc Potter, Chad Eggert, Jason Beck, Ryan Good
Voting Against: None

6) Public Comments

None

7) Reports of Departments

7.a) *Peoples Service Council report and work order maintenance report*

Report in packet.

8) Reports of Committees/Commissions

8.a) Economic Development Authority - March 19, 2026

Councilmember Good reported that the EDA approved a façade grant for Matzke Memorial and met with a developer interested in building 8–12 townhomes on the Harrison parking lot site. There is a workforce housing development grant available. WWTP renovation is going well. Bids for street project to be accepted by April 2nd at 1pm.

9) Requests, Petitions and Communications

9.a) Presentation of MNWARN Program and Approve Modification to the existing Mutual Aid Agreement

MNWARN provides statewide mutual aid to help water, wastewater, and stormwater utilities respond to emergencies. The City joined the program in 2013, and the agreement now needs updating. Lori Blair from the Minnesota Rural Water Association briefed the Council on the program. A resolution to update the agreement will be presented at the next Council meeting.

9.b) *Presentation of MRWA Apprenticeship Program*

The Minnesota Rural Water Association's Apprenticeship Coordinator, Jeff Bemboom, will present the MRWA Apprenticeship Program, which helps address workforce shortages, skill gaps, and upcoming retirements in the water and wastewater industry. As facilities become more automated, skilled operators are increasingly important. Cities statewide are seeking apprentices to work with certified operators and support future operations and emergency response.

9.c) *Approve the Public Safety Center Donor Wall for the Public Safety Center building at a total cost of $14,599.53.*

The donor wall for the new public safety center will honor major contributors whose support enabled the City to contribute $1,060,000 to the project. To meet the July 26, 2026 ribbon cutting deadline, administration reviewed three vendors and selected one that can meet the design and production timeline. The final design is ready, and Council approval is needed to proceed. The cost is $14,599.53, funded through CIP 401. Council discussed contacting local businesses to determine whether they could complete the work.

9.d) *Accept Police Chief Bortz's resignation and approve advertisement for the Police Chief's vacancy*

The Chief of Police announced her resignation, effective at a date to be determined, and will remain in the role during the transition to ensure continuity. Chief Brotz expressed gratitude for the opportunity to serve the City and community. The position is recommended to be posted starting March 26 and remain open until filled.

Marc Potter motions to accept Police Chief Bortz's resignation and approve advertisement for the Police Chief's vacancy., seconded by Ryan Good. Motion carried 5 - 0
Voting For: Beth Carlson, Marc Potter, Chad Eggert, Jason Beck, Ryan Good
Voting Against: None

9.e) *Approve Resolution # 2026-14 accepting the resignation of Councilmember Marc Potter and declaring a vacancy on the City Council.*

Councilmember Marc Potter has moved outside city limits and is no longer eligible to serve, creating a vacancy. His term was scheduled to run through 2028. The resolution accepts his resignation and declares the seat vacant. The City thanks him for his service since 2021. Application deadline of April 30, 2026. Applications will be reviewed for appointment at the May 13, 2026 Council meeting.

Jason Beck motions to approve Resolution #2026-14 accepting the resignation of Councilmember Marc Potter and declaring a vacancy on the City Council, seconded by Chad Eggert. Motion carried 4 - 0; 1 Abstained
Voting For: Beth Carlson, Chad Eggert, Jason Beck, Ryan Good
Voting Against: None
Abstains: Marc Potter

10) Public Hearings

11) Ordinance First Readings

12) Ordinance Secord Readings

13) Council Concerns

Council members thanked Potter for his service. Fools Five is scheduled for April 11, and Council discussed with the Police Department the need for traffic control during the event.

14) Recess

15) Work Session

16) Adjourn

Meeting adjourned at 7:01pm

Ryan Good motions to adjourn , seconded by Jason Beck. Motion carried 5 - 0

Voting For: Beth Carlson, Marc Potter, Chad Eggert, Jason Beck, Ryan Good

Voting Against: None

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Claims - Approve Before Payment

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Claims

FROM:
Charisse Rinn

Background:
Council to approve Claims - Before Payment

Staff Recommendation:
Council to approve Claims - Before Payment

Attachments:
CP1.pdf
CP2.pdf

CITY OF LEWISTON

*Check Detail Register©

Batch: 20260408_CP1

Check #	Check Date	Vendor Name	Amount	Invoice	Comment
10100 CHECKING ACCOUNT					
48519	04/08/26	**AMERICAN ENGINEER TESTING,INC**			
E 411-43100-303		Engineering Fees	$11,725.00	PJI-085047	Lewiston 2026 Street & Utility Improvements
		Total	$11,725.00		
48520	04/08/26	**ANCOM COMMUNICATIONS, INC.**			
E 202-42300-581		Communications Equipme	$75.00	132754	Pager Batteries
E 212-42300-580		Other Equipment	$73.00	132754	Pager Batteries
E 201-42200-581		Communications Equipme	$73.00	132754	Pager Batteries
		Total	$221.00		
48521	04/08/26	**BOLTON & MENK**			
E 602-49450-500		Capital Outlay	$31,011.80	388683	Construction Services - 2025 WWTP Rehab
E 411-43100-303		Engineering Fees	$11,725.00	389597	Survey and Preliminary Engineering
E 411-43100-303		Engineering Fees	$55,895.00	389597	Final Design and Bidding - 1
E 411-43100-303		Engineering Fees	$150.00	389597	Reimbursable Expenses
E 602-49450-500		Capital Outlay	$24,006.80	390850	Construction Services - 2025 WWTP Rehab
		Total	$122,788.60		
48522	04/08/26	**CENTURYLINK**			
E 602-49450-320		Communication	$300.53	3212026-420	lifts stations
		Total	$300.53		
48523	04/08/26	**Clifford Pierce**			
E 202-42300-410		Rentals	$600.00	42026	PSB - Temp. Location - April
E 201-42200-430		Miscellaneous	$600.00	42026	PSB - Temp. Location - April
		Total	$1,200.00		
48524	04/08/26	**ELBA CO-OP CREAMERY ASSOCIATION**			
E 101-45200-220		Repair & Maint. Supplies	$260.00	27479	(2) 50LB Ruff & Tuff Lawn Seed
		Total	$260.00		
48525	04/08/26	**ferguson**			
E 601-49400-582		Water/Sewer Meters	$286.00	0562069	Data Logging Flash
		Total	$286.00		
48526	04/08/26	**Galls, LLC**			
E 207-42100-155		Uniforms/Personnel Equip	$107.39	33775615	Boots
E 207-42100-155		Uniforms/Personnel Equip	$81.60	33956177	Pants
		Total	$188.99		
48527	04/08/26	**GWS/GREDENS WELDING SHOP**			
E 101-43125-400		Repair/Maint	$1,320.00	6470	Plow Repair/Welding
		Total	$1,320.00		
48528	04/08/26	**Heim, Gary**			
R 601-99999		Unallocated	$80.00		WTR Overpayment Reimbursement - 000001482401
		Total	$80.00		
48529	04/08/26	**Matzke, Charlie**			

*Check Detail Register©

Batch: 20260408_CP1

Check #	Check Date	Vendor Name	Amount	Invoice	Comment
E 202-42300-410		Rentals	$125.00	4082026	Public Safety Building - Temp. Storage
E 201-42200-430		Miscellaneous	$125.00	4082026	Public Safety Building - Temp. Storage
		Total	$250.00		
48530	04/08/26	**MIDWEST MACHINERY CO**			
E 101-43100-400		Repair/Maint	$12.92	10811175	Hydrostatic Fluid for the Street Sweeper
		Total	$12.92		
48531	04/08/26	**MN DEPT OF LABOR AND INDUSTRIES**			
E 101-42400-438		Licenses, Permits, & Fees	$40.50	1 Qtr	Bldg Insp Surcharge Fee 2026 - Qtr 1
		Total	$40.50		
48532	04/08/26	**CHARAYAH NELSON**			
E 101-41000-331		Conf & travel Expenses	$189.95	3242026	Mileage To & From MCFOA Conference 2026
		Total	$189.95		
48533	04/08/26	**RCT SEWER AND VAC**			
E 602-49450-315		Outside Services	$1,581.00	1268	Lift Station & WWTP Cleaning
		Total	$1,581.00		
48534	04/08/26	**ST CLOUD STATE UNIVERSITY**			
E 101-41000-331		Conf & travel Expenses	$540.00	217885-9387	MMCI Year 3 - C. Rinn
		Total	$540.00		
301410 e	03/31/26	**VISA_FD**			
E 201-42200-433		Dues and Subscriptions	$243.60	57244096	Google Suite
		Total	$243.60		
301411 e	03/31/26	**VISA_AMB**			
E 212-42300-430		Miscellaneous	$38.39		PR Supplies
E 202-42300-210		Operating Supplies	$47.95	1391435	Kleenex, Disinfecting Wipes, C Batteries
E 212-42300-210		Operating Supplies	$47.96	1391435	Kleenex, Disinfecting Wipes, C Batteries
E 202-42300-210		Operating Supplies	$27.12	1534641	Truck 621 Glucometer
E 212-42300-210		Operating Supplies	$80.19	3001017	Swiffer Sweeper, Blood Glucose, Nasal Spray
E 202-42300-210		Operating Supplies	$68.95	3001017	Swiffer Sweeper, Blood Glucose, Nasal Spray
E 202-42300-210		Operating Supplies	($7.00)	3142026	Credits
E 212-42300-210		Operating Supplies	$19.96	3182026	Water-Fire Standby
E 212-42300-210		Operating Supplies	$39.92	3182026	Water-Fire Standby
E 212-42300-210		Operating Supplies	$44.24	4391437	Truck Supplies
E 212-42300-200		Office Supplies	$23.94	4391437	Printer Ink
E 202-42300-331		Conf & travel Expenses	$15.99	April	Pocket Prep
		Total	$447.61		
301412 e	03/31/26	**VISA_PW**			
E 101-43100-400		Repair/Maint	$123.50	199939	5 Gal Hytran
E 601-49400-331		Conf & travel Expenses	$225.00	200009477	2026 SE Spring Water Operators School
E 101-43125-220		Repair & Maint. Supplies	$281.47	200053	3/4 inch Male Pione
E 601-49400-331		Conf & travel Expenses	$5.41	3022026	Conference Meal
E 601-49400-331		Conf & travel Expenses	$5.37	3052026	Conference Meal
E 602-49450-331		Conf & travel Expenses	$372.90	941098	Conference Stay - Best Western
E 101-43125-400		Repair/Maint	$463.49	S22212	Repair Hydraulic Cylinder

*Check Detail Register©

Batch: 20260408_CP1

Check #	Check Date	Vendor Name		Amount	Invoice	Comment
			Total	$1,477.14		
301413 e	03/31/26	**VISA_PD**				
E 207-42100-155		Uniforms/Personnel Equip		$20.98	31963167	Narcan Nasal Spray Pouch
E 207-42100-400		Repair/Maint		$203.95	48061	Dahl - 2023 Squad Interior Detail & Card Fee
			Total	$224.93		
301414 e	04/01/26	**VISA_ADMIN**				
E 101-41000-331		Conf & travel Expenses		$36.59	2252026	Treats for Career Fair
E 101-41000-331		Conf & travel Expenses		$700.00	37470	IIMC Annual Conference 2026 - Varma
			Total	$736.59		
301428 e	04/02/26	**WAPASHA CONSTRUCTION CO. INC**				
E 602-49450-500		Capital Outlay		$433,154.86	9	2025 WWTTP Rehab Project - Pay Request #9
			Total	$433,154.86		
301429 e	04/02/26	**VERIZON WIRELESS**				
E 207-42100-320		Communication		$172.88	6139062569	PD
E 601-49400-320		Communication		$41.43	6139062569	Water
E 201-42200-320		Communication		$40.01	6139062569	Fire CR PT
E 202-42300-320		Communication		$80.02	6139062569	AMB CR PT
E 202-42300-320		Communication		$13.07	6139062569	AMB
E 201-42200-320		Communication		$40.01	6139062569	FD
			Total	$387.42		
301430 e	04/03/26	**FIRST LEASE LLC**				
E 101-43100-540		Heavy Machinery		$536.20		Loan Payment
			Total	$536.20		
			10100	$578,192.84		

Fund Summary

10100 CHECKING ACCOUNT	
101 General Fund	$4,504.62
201 Fire Department	$1,121.62
202 Ambulance - Lewiston	$1,046.10
207 Police	$586.80
212 Ambulance - St.Charles	$367.60
411 2025C GO Temp Construction	$79,495.00
601 Water Fund	$643.21
602 Sewer Fund	$490,427.89
	$578,192.84

CITY OF LEWISTON

Payments

Current Period: APRIL 2026

Payment Batch 20260408_CP2 $233,853.55

Refer 5210 *OLYMPIC BUILDERS GENERAL CO* Ck# 301427E 4/2/2026

Cash Payment E 431-47961-500 Capital Outlay Pay Request #6 3/23/26 2025 Public Safety Building Const $233,853.55

Invoice 6

Transaction Date 4/2/2026 Bond Checking 10102 **Total** $233,853.55

Fund Summary

	10102 Bond Checking
431 2025D GO CIP Construction	$233,853.55
	$233,853.55

Pre-Written Checks	$233,853.55
Checks to be Generated by the Computer	$0.00
Total	$233,853.55

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Claims - Approve After Payment

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Claims

FROM:
Charisse Rinn

Background:
Council to approve Claims - After Payment

Staff Recommendation:
Council to approve Claims - After Payment

Attachments:
BW26PP07_LIA.pdf
CC26PP3_LIA.pdf

CITY OF LEWISTON

Payments

Current Period: APRIL 2026

Payments Batch BW26PP07_LIA $17,007.68

Refer	-1 *INTERNAL REVENUE SERVICE*	Ck# 301419E 4/1/2026			
Cash Payment	G 101-21701 Federal Withholding	withholding, soc. Sec., medicare			$6,373.86
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$6,373.86
Refer	-2 *PERA*	Ck# 301420E 4/1/2026			
Cash Payment	G 101-21704 PERA	PERA			$5,634.19
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$5,634.19
Refer	-3 *MN DEPT OF REVENUE (SWT)*	Ck# 301421E 4/1/2026			
Cash Payment	G 101-21702 State Withholding	State Tax - MN			$1,078.88
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$1,078.88
Refer	-4 *Empower - MSRS payments*	Ck# 301422E 4/1/2026			
Cash Payment	G 101-21716 Empower-MSRS Def Comp				$602.54
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$602.54
Refer	-5 *HSA CONTRIBUTIONS*	Ck# 301423E 4/1/2026			
Cash Payment	G 101-21708 H S A Contributions				$2,357.68
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$2,357.68
Refer	-6 *TASC*	Ck# 301424E 4/1/2026			
Cash Payment	G 101-21717 FSA Funds				$576.92
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$576.92
Refer	-7 *MN DEPT OF REVENUE (ST)*	Ck# 301425E 4/1/2026			
Cash Payment	G 101-21721 MN PAID LEAVE				$288.46
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$288.46
Refer	-8 *RELIANCE STANDARD LIFE INSUR*	Ck# 301426E 4/1/2026			
Cash Payment	G 101-21705 Life Insurance	Employer Paid Life Ins			$95.15
Invoice					
Transaction Date	4/3/2026	CHECKING ACCOU	10100	**Total**	$95.15

Fund Summary

	10100 CHECKING ACCOUNT
101 General Fund	$17,007.68
	$17,007.68

Pre-Written Checks	$17,007.68
Checks to be Generated by the Computer	$0.00
Total	$17,007.68

CITY OF LEWISTON

Payments

Current Period: MARCH 2026

Payments Batch CC26PP3_LIA $262.40

Refer	-1 *PERA*	Ck# 301415E 4/1/2026			
Cash Payment	G 101-21704 PERA	PERA			$35.00
Invoice					
Transaction Date	3/24/2026	CHECKING ACCOU	10100	**Total**	$35.00
Refer	-2 *MN DEPT OF REVENUE (SWT)*	Ck# 301416E 4/1/2026			
Cash Payment	G 101-21702 State Withholding	State Tax - MN			$10.00
Invoice					
Transaction Date	3/24/2026	CHECKING ACCOU	10100	**Total**	$10.00
Refer	-3 *MN DEPT OF REVENUE (ST)*	Ck# 301417E 4/1/2026			
Cash Payment	G 101-21721 MN PAID LEAVE				$13.64
Invoice					
Transaction Date	3/24/2026	CHECKING ACCOU	10100	**Total**	$13.64
Refer	-4 *INTERNAL REVENUE SERVICE*	Ck# 301418E 4/1/2026			
Cash Payment	G 101-21701 Federal Withholding	withholding, soc. Sec., medicare			$203.76
Invoice					
Transaction Date	3/24/2026	CHECKING ACCOU	10100	**Total**	$203.76

Fund Summary

	10100 CHECKING ACCOUNT
101 General Fund	$262.40
	$262.40

Pre-Written Checks	$262.40
Checks to be Generated by the Computer	$0.00
Total	$262.40

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve hiring of Ambulance Volunteer Brynn Lenz

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Requests

FROM:
Matt Essig

Background:

A panel conducted an interview on 3/26/26 with applicant Brynn Lenz. She comes to us already certified as an EMT. She attends a local college with goals to become a Physicians Assistant. She has been riding along with the service since the fall of 2025. She successfully passed her panel interview and background check. We believe she will be a good addition to the service and will help in both locations.

Staff Recommendation:

Approve the hiring of Ambulance Volunteer Brynn Lenz effective 4/8/2026.

Attachments:

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve Resolution# 2026-15 Authorizing Pay Request No. 6 for 2025 Public Safety Center - Olympic Builders

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Resolutions

FROM:
Ragini Varma

Background:

The construction of the new Public Safety Center is underway and scheduled to be completed by June 2026, and the pay request #6 has been submitted for this project, and Olympic Builders General Contractor., Inc. has submitted Pay Request No. 6 in the amount of $$233,853.55. CRW Architecture recommends the City of Lewiston approve this Pay Request.

Staff Recommendation:

Approve Resolution# 2026-15 Authorizing Pay Request No. 6 for 2025 Public Safety Center - Olympic Builders

Attachments:

2026-15 Resolution Authorizing Pay Request No. 6 for 2025 Public Safety Center - Olympic Builders.docx
Olympics Pay App #6-REVISED and reviewed.pdf

City of Lewiston, Minnesota
City Council Resolution #2026-15
Approve Pay Request No. 6 for the 2025 Public Safety Center located in Lewiston, Minnesota – Lewiston Project No. 9749926

WHEREAS, the construction of the Public Safety Center is underway and scheduled to be completed by June of 2026, and the pay request #6 has been submitted for this project, and

WHEREAS, the Olympic Builders General Contractors, Inc. has submitted Pay Request No. 6 in the amount of $233,853.55. CRW Architecture recommends the City of Lewiston approve this Pay Request.

NOW THEREFORE BE IT RESOLVED that the City Council hereby approves the Pay Request No. 6 in the amount of $233,853.55. to Olympic Builders General Contractors, Inc as requested in the letter.

Adopted by the City Council of Lewiston, Minnesota, this 8th day of April 2026.

_____
Mayor

ATTEST:

_____
City Clerk

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702 PAGE 1 OF PAGES

TO OWNER:
City of Lewiston
75 Rice Street, P.O. Box 129
Lewiston, MN 55952

PROJECT:
New Fire Station and EMS Building
85 North Fremont Street
Lewiston, MN 55952

APPLICATION NO: 6-REVISED

PERIOD TO: 3/23/26

Distribution to:
- [ ] OWNER
- [ ] ARCHITECT
- [ ] CONTRACTOR
- [ ]
- [ ]

FROM CONTRACTOR:
Olympic Builders General Contractors, Inc.
405 North Star Road
Holmen, WI 54636

VIA ARCHITECT:
CRW Architecture + Design C
211 11th Avenue Northwest
Rochester, MN 55901

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM		$ 2,998,200.00
2. Net change by Change Orders		$ -
3. CONTRACT SUM TO DATE (Line 1 ± 2)		$ 2,998,200.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)		$ 807,715.56
5. RETAINAGE:		
a. 5 % of Completed Work (Column D + E on G703)	$ 40,385.78	
b. 5 % of Stored Material (Column F on G703)	$ -	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)		$ 40,385.78
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)		$ 767,329.78
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)		$ 533,476.23
8. CURRENT PAYMENT DUE		$ 233,853.55
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)		$ 2,230,870.22

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous periods by General Contractor	$ -	$ -
Total approved this Period	$ -	$ -
TOTALS	$ -	$ -
NET CHANGES by Change Order	$ -	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Olympic Builders General Contractors, Inc.

By: Julie Yahnke Julie Yahnke Date: 3/23/2026

State of: Wisconsin County of: La Crosse
Subscribed and sworn to before me this 23 day of March, 2026
Notary Public: Cynthia A Broer
My Commission expires: 11-16-2028

NOTARY PUBLIC CYNTHIA A. BROER WISCONSIN

CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ..... $ **233,853.55**

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and onthe Continuation Sheet that are changed to conform with the amount certified.)

~~CONSTRUCTION MANAGER:~~
By: Date:

ARCHITECT: **CRW architecture + design group**
By: Date: **3/25/2026**

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

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CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing
Contractor's signed certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 6-REVISED
APPLICATION DATE: 03/23/26
PERIOD TO: 3/23/26

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED FROM PREVIOUS APPLICATION (D + E)	E WORK COMPLETED THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	G % (G ÷ C)	H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
	General Requirements	$43,500.00	$ 5,000.00	$ 10,000.00	$ -	$ 15,000.00	34.48%	$ 28,500.00	$ 750.00
	Bond	$30,000.00	$ 30,000.00			$ 30,000.00	100.00%		$ 1,500.00
	Allowance - American Engineering Testing	$6,400.00					0.00%	$ 6,400.00	
	Permits/Insurance	$31,000.00	$ 18,338.37	$ 12,661.63	$ -	$ 31,000.00	100.00%		$ 1,550.00
	Testing	$6,500.00	$ 2,000.00	$ 2,000.00	$ -	$ 4,000.00	61.54%	$ 2,500.00	$ 200.00
	Supervision	$85,000.00		$ 15,000.00	$ -	$ 15,000.00	17.65%	$ 70,000.00	$ 750.00
	Concrete	$270,000.00	$ 120,000.00	$ -		$ 120,000.00	44.44%	$ 150,000.00	$ 6,000.00
	Masonry	$65,600.00					0.00%	$ 65,600.00	
	Structural Steel/Metal Fabrications	$67,400.00		$ 7,600.00	$ -	$ 7,600.00	11.28%	$ 59,800.00	$ 380.00
	Rough Carpentry - Materials	$28,000.00		$ 5,000.00	$ -	$ 5,000.00	17.86%	$ 23,000.00	$ 250.00
	Trusses	$27,100.00					0.00%	$ 27,100.00	
	Finish Carpentry - Labor	$260,000.00		$ 20,000.00	$ -	$ 20,000.00	7.69%	$ 240,000.00	$ 1,000.00
	Casework	$9,200.00					0.00%	$ 9,200.00	
	Insulation/Joint Sealants	$8,500.00					0.00%	$ 8,500.00	
	Doors/Windows/Hardware	$127,000.00		$ 13,900.00	$ -	$ 13,900.00	10.94%	$ 113,100.00	$ 695.00
	Overhead Doors	$78,000.00					0.00%	$ 78,000.00	
	Drywall	$149,000.00					0.00%	$ 149,000.00	
	Floor Coverings	$39,300.00	$ 13,930.00	$ -		$ 13,930.00	35.45%	$ 25,370.00	$ 696.50
	Acoustical	$19,000.00					0.00%	$ 19,000.00	
	Painting	$37,000.00					0.00%	$ 37,000.00	
	Toilet/Bath Accessories	$7,600.00					0.00%	$ 7,600.00	
	Signage/Fire Protection	$19,900.00					0.00%	$ 19,900.00	
	Metal Building	$300,000.00	$ 227,269.56	$ -		$ 227,269.56	75.76%	$ 72,730.44	$ 11,363.48
	Fire Sprinkler	$62,000.00					0.00%	$ 62,000.00	
	Plumbing	$255,000.00					0.00%	$ 255,000.00	
	HVAC	$239,000.00					0.00%	$ 239,000.00	
	Electrical	$489,000.00	$ 2,700.00	$ 235,000.00	$ -	$ 237,700.00	48.61%	$ 251,300.00	$ 11,885.00
	Change Generator	-$75,000.00		$ (75,000.00)	$ -	$ (75,000.00)	100.00%		$ (3,750.00)
	Sitework	$146,000.00	$ 142,316.00	$ -		$ 142,316.00	97.48%	$ 3,684.00	$ 7,115.80
	Paving	$59,200.00	$ -				0.00%	$ 59,200.00	
	Landscaping/Fencing	$33,000.00					0.00%	$33,000.00	

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CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing
Contractor's signed certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 6-REVISED
APPLICATION DATE: 03/23/26
PERIOD TO: 3/23/26

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
	GRAND TOTALS	$2,923,200.00	$ 561,553.93	$ 246,161.63	$ -	$ 807,715.56	27.63%	$2,115,484.44	$ 40,385.78

Users may obtain validation of this document by requesting of the license a completed AIA Document D401 - Certification of Document's Authenticity

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve Resolution# 2026-16 Authorizing Pay Request No. 9 for 2025 WWTP Facility Improvements - Wapasha Construction

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Resolutions

FROM:
Ragini Varma

Background:

The improvements to the Wastewater Treatment Facility plant are underway and scheduled to be completed by Summer of 2027, and the pay request #9 has been submitted for this project, and Wapasha Construction Co., Inc. has submitted Pay Request No. 9 in the amount of $433,154.86. Bolton-Menk recommends the City of Lewiston approve this Pay Request.

Staff Recommendation:

Approve Resolution# 2026-16 Authorizing Pay Request No. 9 for 2025 WWTP Facility Improvements - Wapasha Construction

Attachments:

2026-16 Resolution Authorizing Pay Request No. 9 for 2025 WWTP Facility Improvements - Wapasha Construction.docx
2026-04-01_129024 Lewiston WWTF_Pay Request No. 9.pdf

City of Lewiston, Minnesota
City Council Resolution #2026-16
Approve Pay Request No. 9 for the 2025 Wastewater Treatment Plant Facility Improvements located in Lewiston, Minnesota – Bolton-Menk Project No. 0M2.129024

WHEREAS, the improvements to the Wastewater Treatment Facility plant are underway and scheduled to be completed by Summer of 2027, and the pay request #8 has been submitted for this project, and

WHEREAS, the Wapasha Construction Co, Inc. has submitted Pay Request No. 9 in the amount of $433,154.86. Bolton-Menk recommends the City of Lewiston approve this Pay Request.

NOW THEREFORE BE IT RESOLVED that the City Council hereby approves the Pay Request No. 9 in the amount of $433,154.86. to Wapasha Construction Co, Inc as requested in the letter.

Adopted by the City Council of Lewiston, Minnesota, this 8th day of April 2026.

_____
Mayor

ATTEST:

_____
City Clerk

BOLTON & MENK
Real People. Real Solutions.

2900 43rd Street NW
Suite 100
Rochester, MN 55901

Ph: (507) 208-4332
Fax: (507) 208-4155
Bolton-Menk.com

VIA EMAIL
April 1, 2026

Ragini Varma
City Administrator
City of Lewiston
75 Rice Street, PO Box 129
Lewiston, MN 55952
rvarma@lewistonmn.gov

RE: Pay Request No. 9
Wastewater Treatment Facility Improvements
City of Lewiston, Minnesota
BMI Project No.: 0M2.129024

Dear Ms. Varma,

Enclosed is a copy of Pay Request No. 9 from Wapasha Construction Co., Inc. for $433,154.86. We have reviewed this request and recommend payment to the Contractor. This request can be included with the City's next disbursement request to the Minnesota Public Facilities Authority (PFA). The accumulative work reflected in this request represents 26.6 percent of the total work to be completed under this contract.

If you have any questions, please do not hesitate to contact me.

Sincerely,

BOLTON & MENK, INC.

Brenden Olevson, P.E.
Environmental Project Engineer

Enclosure

cc: Katelyn Kanuit – Bolton & Menk, Inc.
Derek Olinger – Bolton & Menk, Inc.
Jake Pichelmann – Bolton & Menk, Inc.
File

Bolton & Menk is an equal opportunity employer.

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application No.: 9 **Application Date:** 4/1/2026

Application Period: **From** 3/1/2026 **to** 3/31/2026

1. Original Contract Price				$	8,354,000.00
2. Net change by Change Orders				$	-
3. Current Contract Price (Line 1 + Line 2)				$	8,354,000.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)				$	2,223,943.87
5. Retainage					
a.	5% X	$ 1,416,070.92	Work Completed	$	70,803.55
b.	5% X	$ 807,872.95	Stored Materials	$	40,393.65
c. Total Retainage (Line 5.a + Line 5.b)				$	111,197.20
6. Amount eligible to date (Line 4 - Line 5.c)				$	2,112,746.67
7. Less previous payments (Line 6 from prior application)				$	1,679,591.81
8. Amount due this application				$	433,154.86
9. Balance to finish, including retainage (Line 3 - Line 4)				$	6,130,056.13

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Wapasha Construction Co., Inc.

Signature: [signature] **Date:** 03/26/2026

Recommended by Engineer		**Approved by Owner**	
By:	[signature]	**By:**	
Title:	Environmental Project Engineer	**Title:**	
Date:	04/01/2026	**Date:**	
Approved by Funding Agency			
By:		**By:**	
Title:		**Title:**	
Date:		**Date:**	

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Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application 9 **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D + E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
	Original Contract							
A	General Construction Allowance	200,000.00	21,489.63			21,489.63	11%	178,510.37
B	Furnishings Allowance	10,000.00	-			-	0%	10,000.00
C	Computer Allowance	25,000.00	-			-	0%	25,000.00
D	Building Permit Allowance	25,000.00	-			-	0%	25,000.00
E	Laboratory Equipment Allowance	15,000.00	11,631.64		953.12	12,584.76	84%	2,415.24
F	Blower Equipment Allowance	75,000.00	75,000.00			75,000.00	100%	-
G	Utility Service Connection Allowance	25,000.00	20,809.93			20,809.93	83%	4,190.07
H	Submersible Pump Allowance	250,000.00	-		245,600.31	245,600.31	98%	4,399.69
I	Concrete Crack Injection Allowance	50,000.00	-			-	0%	50,000.00
***	Bond, Submittal Exchange & Project Start-up	204,245.00	204,245.00			204,245.00	100%	-
01 13 10	General Conditions	306,870.00	62,900.00	13,100.00		76,000.00	25%	230,870.00
02 41 13	Demolition of Existing WWTF - Control Building	69,110.00	-			-	0%	69,110.00
***	Demolition of Existing WWTF - Disinfection STR	6,790.00	-			-	0%	6,790.00
***	Demolition of Existing WWTF - Pista Grit	7,670.00	7,200.00			7,200.00	94%	470.00
***	Demolition of Existing WWTF - Grit Classifier	18,130.00	-			-	0%	18,130.00
03 20 00	Concrete Reinforcing	58,400.00	57,404.97	270.00		57,674.97	99%	725.03
***	Labor	36,000.00	30,640.00	980.00		31,620.00	88%	4,380.00
03 30 00	Cast-in-Place Concrete - Site	4,010.00	-			-	0%	4,010.00
***	Cast-in-Place Concrete - Control STR #1	22,860.00	-			-	0%	22,860.00
***	Cast-in-Place Concrete - Control STR #2	31,100.00	-			-	0%	31,100.00
***	Cast-in-Place Concrete - Final Clarifier #1	249,080.00	199,080.00	23,120.00		222,200.00	89%	26,880.00
***	Cast-in-Place Concrete - Final Clarifier #2	249,080.00	199,080.00	23,120.00		222,200.00	89%	26,880.00
***	Cast-in-Place Concrete - Electrical Building	20,015.00	-			-	0%	20,015.00
***	Cast-in-Place Concrete - Control Building	2,615.00	-			-	0%	2,615.00
***	Cast-in-Place Concrete - Disinfection Structure	3,660.00	-			-	0%	3,660.00
***	Cast-in-Place Concrete - Sludge Storage Tank	22,850.00	-			-	0%	22,850.00
03 41 13	Precast Hollow Core Planks	9,350.00	-			-	0%	9,350.00
***	Electric Building - Set	2,615.00	-			-	0%	2,615.00
***	Disinfection Structure - Set	2,615.00	-			-	0%	2,615.00
***	Sludge Storage Tank - Set	2,615.00	-			-	0%	2,615.00
04 20 00	Unit Masonry Assemblies - Electrical Building	44,665.00	-			-	0%	44,665.00
***	Unit Masonry Assemblies - Sludge Building	26,435.00	-			-	0%	26,435.00

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Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application 9 **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D + E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
05 50 00	Structural Steel & Misc Metals	33,680.00	-			-	0%	33,680.00
***	Millwright - Control STR #1	4,390.00	-			-	0%	4,390.00
***	Millwright - Control STR #2	5,960.00	-			-	0%	5,960.00
06 10 00	Carpentry - Electric Building	7,560.00	-			-	0%	7,560.00
***	Carpentry - Control Building	10,475.00	-			-	0%	10,475.00
***	Carpentry - Disinfection Structure	5,830.00	-			-	0%	5,830.00
***	Carpentry - Sludge Storage Tank	835.00	-			-	0%	835.00
06 81 13	Fiberglass Baffles and Wier Plates	28,065.00	-			-	0%	28,065.00
07 24 00	EIFS	10,450.00	-			-	0%	10,450.00
07 53 01	Fully Adhered Membrane Roof System - Electric Building	20,360.00	-			-	0%	20,360.00
***	Fully Adhered Membrane Roof System - Control Building	138,340.00	-			-	0%	138,340.00
***	Fully Adhered Membrane Roof System - Sludge	19,430.00	-			-	0%	19,430.00
***	Fully Adhered Membrane Roof System - Chemical	23,410.00	-			-	0%	23,410.00
08 10 00	HM,FRP Doors Fames & Hardware	78,420.00	-			-	0%	78,420.00
09 51 00	Acoustical Ceiling System	4,920.00	-			-	0%	4,920.00
09 91 00	Wasewater Treatment Facility Painting	339,810.00	-			-	0%	339,810.00
13 34 23	Circular Tank Covers	357,710.00	-			-	0%	357,710.00
***	Install #1	54,890.00	-			-	0%	54,890.00
***	Install #2	54,890.00	-			-	0%	54,890.00
22 05 00	Common Work Results for Plumbing	4,180.00	-			-	0%	4,180.00
22 05 53	Plumbing Identification	3,660.00	-			-	0%	3,660.00
22 07 00	Plumbing Insulation	9,930.00	-			-	0%	9,930.00
22 10 05	Plumbing Piping	15,680.00	-			-	0%	15,680.00
22 23 00	Commercial Grade Plumbing Equipment	9,410.00	-			-	0%	9,410.00
23 05 13	HVAC Equipment	54,825.00	-			-	0%	54,825.00
***	HVAC Labor	25,090.00	-			-	0%	25,090.00
23 05 93	Testing, Adjusting, & Balancing	2,090.00	-			-	0%	2,090.00
23 07 00	HVAC Insulation	26,140.00	-			-	0%	26,140.00
23 23 00	Refrigerant Piping	5,230.00	-			-	0%	5,230.00
23 31 00	HVAC Ducts & Casings	39,730.00	-			-	0%	39,730.00
***	Duct Labor	44,960.00	-			-	0%	44,960.00

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Progress Estimate - Lump Sum Work

Contractor's Application for Payment

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			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D + E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
26 05 00	Common Work Results for Electrical	179,140.00	88,770.00	35,810.00		124,580.00	70%	54,560.00
***	Demo - Material	27,180.00	6,800.00	8,020.00		14,820.00	55%	12,360.00
***	Demo - Labor	32,930.00	4,790.00	9,870.00		14,660.00	45%	18,270.00
***	Sitework/Underground - Material	29,010.00	4,350.00			4,350.00	15%	24,660.00
***	Sitework/Underground - Labor	23,260.00	2,350.00			2,350.00	10%	20,910.00
26 05 19	Conductiors and Cables - Material	62,150.00	-	6,220.00		6,220.00	10%	55,930.00
***	Conductiors and Cables - Labor	50,450.00	-	2,560.00		2,560.00	5%	47,890.00
26 05 33	Raceways, Fittings, and Boxes - Material	59,075.00	-	5,910.00		5,910.00	10%	53,165.00
***	Raceways, Fittings, and Boxes - Labor	43,050.00	-	2,320.00		2,320.00	5%	40,730.00
26 22 13	Gear - Material	35,615.00	8,443.10			8,443.10	24%	27,171.90
***	Gear - Labor	14,115.00	-			-	0%	14,115.00
***	Connections - Material	19,345.00	-			-	0%	19,345.00
***	Connections - Labor	14,115.00	-			-	0%	14,115.00
26 51 00	Lighting - Material	47,050.00	19,524.33		19,399.06	38,923.39	83%	8,126.61
***	Lighting - Labor	76,325.00	-			-	0%	76,325.00
26 90 01	Controls - Material	710,080.00	-			-	0%	710,080.00
***	Controls - Labor	375,800.00	-			-	0%	375,800.00
Div 27	Voice Data - Material	20,390.00	-			-	0%	20,390.00
***	Voice Data - Labor	13,590.00	-			-	0%	13,590.00
31 00 00	Mobilization	52,280.00	31,350.00	5,230.00		36,580.00	70.0%	15,700.00
***	General Conditions	36,590.00	31,170.00	5,420.00		36,590.00	100.0%	-
***	Site Prpearation & Base Course	87,830.00	-			-	0%	87,830.00
32 23 00	Excavation and Backfilling	261,390.00	156,900.00			156,900.00	60%	104,490.00
***	Imported Fill	63,570.00	10,180.00			10,180.00	16%	53,390.00
32 31 13	Chain Link Fence and Gates	12,750.00	-			-	0%	12,750.00
32 92 00	Soil Preparation, Seeding, and Eriosion Control	23,800.00	-			-	0%	23,800.00
33 00 00	Manholes	102,460.00	57,460.00			57,460.00	56%	45,000.00
***	Yard Piping - Material	132,790.00	71,418.83	12,350.00		83,768.83	63%	49,021.17
***	Yard Piping - Labor	135,920.00	41,830.00			41,830.00	31%	94,090.00
40 05 59	Hydraulic Gates	63,180.00	-			-	0%	63,180.00
40 05 60	Valves	144,280.00	30,845.55	16,000.00		46,845.55	32%	97,434.45
40 23 00	Process Piping and Pipe Fittings - Material	345,030.00	101,524.17	8,900.00		110,424.17	32%	234,605.83
***	Process Piping and Pipe Fittings - Labor	156,830.00	31,950.00	10,800.00		42,750.00	27%	114,080.00

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Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application 9 **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D + E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
40 75 00	Automatic Sampler - Material	38,160.00	30,494.39			30,494.39	80%	7,665.61
***	Automatic Sampler - Labor	12,550.00	-			-	0%	12,550.00

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Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application 9 **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D + E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
41 22 23	Portable Hoist	18,280.00	15,066.28			15,066.28	82%	3,213.72
43 23 13	Horizontal Chopper Pumps	61,750.00	-			-	0%	61,750.00
43 23 14	Self Priming Centrifugal Pumps	28,070.00	26,906.25			26,906.25	96%	1,163.75
43 23 57	Progressive Cavity Pumps	112,420.00	-			-	0%	112,420.00
46 23 23/63	Grit Equipment	102,050.00	-			-	0%	102,050.00
***	Install	19,870.00	-			-	0%	19,870.00
46 30 00	Chemical Feed Equipment	115,960.00	106,387.31			106,387.31	92%	9,572.69
***	Install	21,960.00	-	-		-	0%	21,960.00
46 41 11	Rapid Mixers	78,590.00	-	-		-	0%	78,590.00
46 43 21	Clarifier Equipment	513,920.00	-	-		-	0%	513,920.00
***	Install Clarifer #1	94,510.00	-	-		-	0%	94,510.00
***	Install Clarifer #2	94,510.00	-	-		-	0%	94,510.00
46 51 21/23	Aeration	58,950.00	-	-		-	0%	58,950.00
***	Install	14,950.00	-	-		-	0%	14,950.00
						-		-
	Original Contract Totals	**$ 8,354,000.00**	**$ 1,767,991.38**	**$ 190,000.00**	**$ 265,952.49**	**$ 2,223,943.87**	**27%**	**$ 6,130,056.13**
	Change Orders							
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
	Change Order Totals	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**		**$ -**

EJCDC C-620 Contractor's Application for Payment
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Progress Estimate - Lump Sum Work **Contractor's Application for Payment**

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application 9 **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I
			Work Completed					
Item No.	Description	Scheduled Value ($)	(D + E) From Previous Application ($)	This Period ($)	Materials Currently Stored (not in D or E) ($)	Work Completed and Materials Stored to Date (D + E + F) ($)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) ($)
Original Contract and Change Orders								
	Project Totals	**$ 8,354,000.00**	**$ 1,767,991.38**	**$ 190,000.00**	**$ 265,952.49**	**$ 2,223,943.87**	**27%**	**$ 6,130,056.13**

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Progress Estimate - Unit Price Work | **Contractor's Application for Payment**

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application No.: 9 **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I	J	K	L
		Contract Information				Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
Original Contract											
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
				Original Contract Totals	$ -		$ -	$ -	$ -		$ -
Change Orders											
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
					-		-		-		-
				Change Order Totals	$ -		$ -	$ -	$ -		$ -
Original Contract and Change Orders											
				Project Totals	$ -		$ -	$ -	$ -		$ -

EJCDC C-620 Contractor's Application for Payment
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Stored Materials Summary

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
Project:	Wastewater Treatment Facility Improvements		
Contract:	General Contract		

Application No.: 9 **Application Period:** From 03/01/26 to 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I	J	K	L	M
						Materials Stored			Incorporated in Work			
Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	Supplier Invoice No.	Submittal No. (with Specification Section No.)	Description of Materials or Equipment Stored	Storage Location	Application No. When Materials Placed in Storage	Previous Amount Stored ($)	Amount Stored this Period ($)	Amount Stored to Date (G+H) ($)	Amount Previously Incorporated in the Work ($)	Amount Incorporated in the Work this Period ($)	Total Amount Incorporated in the Work (J+K) ($)	Materials Remaining in Storage (I-L) ($)
LUMP SUM	77108027	27 / 41 22 23	Davit Crane	SITE	3	15,066.28		15,066.28			-	15,066.28
LUMP SUM	0088915-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	17,258.05		17,258.05			-	17,258.05
LUMP SUM	0088917-IN	21 / 40 23 00	SITE PIPING	SITE	3	69,980.12		69,980.12			-	69,980.12
LUMP SUM	0088923-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	1,033.20		1,033.20			-	1,033.20
LUMP SUM	0088990-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	4,363.93		4,363.93			-	4,363.93
LUMP SUM	0088989-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	851.11		851.11			-	851.11
LUMP SUM	0088988-IN	8/ 40 23 00	PIPE FITTINGS	SITE	3	1,050.28		1,050.28			-	1,050.28
LUMP SUM	0088987-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	23,827.61		23,827.61			-	23,827.61
LUMP SUM	0088986-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	20,163.10		20,163.10			-	20,163.10
LUMP SUM	0088954-IN	8 / 40 23 00	PIPE FITTINGS	SITE	3	30,556.89		30,556.89			-	30,556.89
LUMP SUM	0089008-IN	21 / 40 23 00	SITE PIPING	SITE	3	1,438.71		1,438.71			-	1,438.71
LUMP SUM	PSIA66233A	03 20 00	REINFORCING STEEL	SITE	3	56,820.62		56,820.62			-	56,820.62
								-			-	-
LUMP SUM	PSI468248	03 20 00	REINFORCING STEEL	SITE	4	410.00		410.00			-	410.00
LUMP SUM	931168363	6/26 50 00	LIGHT FIXTURES	DESIGN ELECTRIC	4	16,047.46		16,047.46			-	16,047.46
LUMP SUM	931324751	6/26 50 00	LIGHT FIXTURES	DESIGN ELECTRIC	4	3,476.87		3,476.87			-	3,476.87
LUMP SUM	9405838.008	4/26 20 00	PANEL BOARDS	DESIGN ELECTRIC	4	1,139.65		1,139.65			-	1,139.65
LUMP SUM	94005838.002	4/26 20 00	PANEL BOARDS	DESIGN ELECTRIC	4	5,794.52		5,794.52			-	5,794.52
LUMP SUM	94005838.006	4/26 20 00	PANEL BOARDS	DESIGN ELECTRIC	4	1,508.93		1,508.93			-	1,508.93
								-			-	-
LUMP SUM	E329338	3/40 75 00	Samplers	SITE	6	30,494.39		30,494.39			-	30,494.39
LUMP SUM	W795914	18/40 05 60	Process Valves	SITE	6	19,415.55		19,415.55			-	19,415.55
								-			-	-
LUMP SUM	50363	23/43 23 14	Gorman_Rupp Pump	SITE	7	26,906.25		26,906.25			-	26,906.25
ALLOWANCE	12126	49/43 33 11	Blowers	SITE	7	87,929.63		87,929.63			-	87,929.63
								-			-	-
LUMP SUM	7338624	19-46 30 00	CHEMICAL FEED EQUIPMENT	SITE	8	106,387.31		106,387.31			-	106,387.31
								-			-	-
ALLOWANCE	980062	NA	Oakton pH 150 meter & probe	SITE	9		953.12	953.12			-	953.12
ALLOWANCE	37455	1 & 31/43 25 00	Submersible pumps & Benson St Lift Station Control Panel	SITE	9		245,600.31	245,600.31			-	245,600.31
LUMP SUM	931402197	6/26 50 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		5,355.31	5,355.31			-	5,355.31
LUMP SUM	931436966	6/26 50 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		520.20	520.20			-	520.20
LUMP SUM	931448544	6/26 50 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		7,071.25	7,071.25			-	7,071.25
LUMP SUM	931487776	6/26 50 50	LIGHT FIXTURES	DESIGN ELECTRIC	9		307.77	307.77			-	307.77
LUMP SUM	931528895	6/26 50 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		445.07	445.07			-	445.07
LUMP SUM	931471494	6/26 05 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		548.38	548.38			-	548.38
LUMP SUM	931733047	6/26 05 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		311.26	311.26			-	311.26
LUMP SUM	931905396	6/26 05 00	LIGHT FIXTURES	DESIGN ELECTRIC	9		4,839.82	4,839.82			-	4,839.82
								-			-	-
								-			-	-
								-			-	-
								-			-	-
								-			-	-

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Stored Materials Summary

Contractor's Application for Payment

Owner:	City of Lewiston, MN	**Owner's Project No.:**	N/A
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0M2.129024
Contractor:	Wapasha Construction Co., Inc.	**Contractor's Project No.:**	3770
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Contract:	General Contract		

Application No.: 9 **Application Period:** **From** 03/01/26 **to** 03/31/26 **Application Date:** 04/01/26

A	B	C	D	E	F	G	H	I	J	K	L	M
						Materials Stored			Incorporated in Work			
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					Totals	**$ 541,920.46**	**$ 265,952.49**	**$ 807,872.95**	**$ -**	**$ -**	**$ -**	**$ 807,872.95**

EJCDC C-620 Contractor's Application for Payment
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F.E.I.N.: 75-2007383

INVOICE

INVOICE NO.	PAGE NO.
INV00980062	1 of 1
CUSTOMER NO.	**DATE**
963410	03/04/26

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Web Enrollment Token: BLG QSL DBS

BILL TO: 963410

WAPASHA CONSTRUCTION
927 E King St
Winona MN 55987-4717
USA

SHIP TO: 963410-28

Wapasha Construction
75 Rice St
Lewiston MN 55952-1114
USA

Ordered by: BRIAN BUELOW

Attention: Brian Buelow

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	W/H	FREIGHT	SHIP VIA
25-3770-01	03/04/26	BO	N30	AVATAX	SO3991912	01	Fixed	FEDEXGRND

USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
94138	Oakton pH 150 Waterproof Meter and Single Junction pH Probe Item in stock at the time of quote	1	1	0	ea	865.40	ea	865.40

THANK YOU for your business!
1.5% MONTHLY FINANCE CHARGE
ON AMOUNTS 30 DAYS PAST DUE
Discounts Apply to Merchandise Only

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
865.40	0.00	0.00	67.53	20.19	953.12

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on the face of your remittance check.

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
INV00980062	963410	03/04/26	953.12

WAPASHA CONSTRUCTION
927 E King St
Winona MN 55987-4717
USA

REMITTANCE ADDRESS

USABlueBook
P.O. Box 9004
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ELECTRIC PUMP

INVOICE		
DATE	NUMBER	PAGE
3/20/2026	037455	1 of 3

REMIT PAYMENT TO:
4280 E 14TH ST
DES MOINES, IA 50313

BILL TO
WAC104
WAPASHA CONSTRUCTION
PO BOX 556
WINONA, MN 55987-0556

SHIP TO
WAPASHA CONSTRUCTION
C/O WATER TREATMENT FACILITY
19765 HOLMSTEAD DR.
LEWISTON, MN 55952

ATTENTION:

CUSTOMER REF/PO#	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
3770-43 25 00	0508788	CITY OF LEWISTON, LEWISTON, MN - WWTP, FLYGT, PUMPCON, BOLTON & MENK, INC.	SMF/SJG	BEST WAY	NET 30

QUANTITY B/O	QUANTITY Ship	UM	PART NO.	DESCRIPTION
0.00	1.00	EA	LOCATION	BENSON DR. LS
0.00	1.00	EA	30850700574	FLYGT, PUMP, NON-CLOG
0.00	1.00	EA	5401305	FLYGT CONNECTION DISCHARGE 4X4IN CI
0.00	1.00	EA	1400000407129	FLYGT MINI-CASII /FUS 120/24VAC 24VDC
0.00	1.00	EA	2" UPPER GUIDE	HALLIDAY GUIDE BRACKET 2IN UPPER GUIDE DOUBLE RAIL FOR FLYGT
0.00	1.00	EA	2"X4" INTERMEDI	HALLIDAY BRACKET 304SS INTERMEDIATE S COMPATIBLE W/FLYGT 2X4
0.00	1.00	EA	6AHB	CONERY FLOAT BRACKET 6-HOOK U-TYPE SS
0.00	16.00	FT	14PCSS	CHAIN 1/4IN SS PROOF COIL LIFT
0.00	1.00	EA	SBOW-500	1/2" SS BOW SHACKLE
0.00	1.00	EA	LOCATION	RAS PUMPS
0.00	4.00	EA	30859300107	FLYGT, PUMP, NON-CLOG
0.00	4.00	EA	5401305	FLYGT CONNECTION DISCHARGE 4X4IN CI
0.00	4.00	EA	1400000407129	FLYGT MINI-CASII /FUS 120/24VAC 24VDC
0.00	4.00	EA	2" UPPER GUIDE	HALLIDAY GUIDE BRACKET 2IN UPPER GUIDE DOUBLE RAIL FOR FLYGT
0.00	4.00	EA	2"X4" INTERMEDI	HALLIDAY BRACKET 304SS INTERMEDIATE S COMPATIBLE W/FLYGT 2X4

ELECTRIC PUMP

INVOICE		
DATE	NUMBER	PAGE
3/20/2026	037455	2 of 3

QUANTITY B/O	QUANTITY Ship	UM	PART NO.	DESCRIPTION
0.00	2.00	EA	6AHB	CONERY FLOAT BRACKET 6-HOOK U-TYPE SS
0.00	81.00	FT	14PCSS	CHAIN 1/4IN SS PROOF COIL LIFT
0.00	4.00	EA	SBOW-500	1/2" SS BOW SHACKLE
0.00	1.00	EA	LOCATION	PROCESS PUMPS
0.00	2.00	EA	30859300099	FLYGT, PUMP, NON-CLOG
0.00	2.00	EA	5401305	FLYGT CONNECTION DISCHARGE 4X4IN CI
0.00	2.00	EA	1400000407129	FLYGT MINI-CASII /FUS 120/24VAC 24VDC
0.00	2.00	EA	2" UPPER GUIDE	HALLIDAY GUIDE BRACKET 2IN UPPER GUIDE DOUBLE RAIL FOR FLYGT
0.00	2.00	EA	2"X4" INTERMEDI	HALLIDAY BRACKET 304SS INTERMEDIATE S COMPATIBLE W/FLYGT 2X4
0.00	1.00	EA	6AHB	CONERY FLOAT BRACKET 6-HOOK U-TYPE SS
0.00	44.00	FT	14PCSS	CHAIN 1/4IN SS PROOF COIL LIFT
0.00	2.00	EA	SBOW-500	1/2" SS BOW SHACKLE
0.00	1.00	EA	LOCATION	BENSON DR. LS
0.00	2.00	EA	31029300200	FLYGT, PUMP, NON-CLOG Serial: 2560009 Serial: 2560010
0.00	2.00	EA	5401305	FLYGT CONNECTION DISCHARGE 4X4IN CI
0.00	2.00	EA	1400000407129	FLYGT MINI-CASII /FUS 120/24VAC 24VDC
0.00	2.00	EA	2" UPPER GUIDE	HALLIDAY GUIDE BRACKET 2IN UPPER GUIDE DOUBLE RAIL FOR FLYGT
0.00	2.00	EA	2"X4" INTERMEDI	HALLIDAY BRACKET 304SS INTERMEDIATE S COMPATIBLE W/FLYGT 2X4
0.00	1.00	EA	6AHB	CONERY FLOAT BRACKET 6-HOOK U-TYPE SS
0.00	46.00	FT	14PCSS	CHAIN 1/4IN SS PROOF COIL LIFT
0.00	2.00	EA	SBOW-500	1/2" SS BOW SHACKLE
0.00	1.00	EA	E2534122	PUMPCON - CONTROL PANEL

ELECTRIC PUMP

INVOICE		
DATE	NUMBER	PAGE
3/20/2026	037455	3 of 3

QUANTITY B/O	QUANTITY Ship	UM	PART NO.	DESCRIPTION
0.00	1.00	EA	AKR-25-3	CONERY - AKR-30-3 (BASE 10' SS
0.00	2.00	EA	2900-B6S1K1-60	CONERY - NO, PP MECHANICAL, IN NORMALLY OPEN PP BULB INTERNALLY WEIGHTED NARROW ANGLE MECHANICAL SWITCH 10 AMP 120 VAC INDIVIDUALLY BOXES 60FT CABLE
0.00	1.00	EA	RA-222 28Z	VEGA,C21 SENSOR 82' CBL
0.00	1.00	EA	AC-222 2XT	VEGA,MNT BRACKET ADJ
0.00	36.00	HR	TRAVEL	TRIP CHARGE
0.00	1,610.(	EA	MILEAGE	SERVICE TECH MILEAGE
0.00	64.00	HR	STARTUPPL	PUMP START UP
0.00	24.00	HR	STARTUPCL	CONTROLS START UP
0.00	10.00	HR	PROGRAMMING	CONTROLS PROGRAMMING
1.00		EA	WARRANTY	WARRANTY
0.00	1.00	EA	FR INCL	FREIGHT INCLUDED

***A 1.5% late charge will be added to accounts over 30 days.**

***Credit Card Payments over $5,000.00 are subject to an additional 3% convenience charge.**

***All return goods must have written approval from Electric Pump before returning. Credit will not be issued without written approval; if applicable, there will be a Restock Fee.**

SUBTOTAL:	$ 228,200.00
TAX:	$ 17,400.31
TOTAL:	$ 245,600.31

4280 E 14th Street, Des Moines, IA 50313-2604 * Telephone 515-265-2222
201 4th Ave SW New Prague, MN 56071-2347 * Telephone 952-758-6600

BORDER STATES

INVOICE

Invoice: 931402197 **Date:** 10/30/2025
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

160083
12-0
12167.10LG
Lewiston Watts Inst.
5210.2

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material / MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per UoM	Total Value
	000010	- STAKS 2X4 ALO6 SWW7 Type: A	16 EA	16	16	76.17 /1	EA	1,218.72
	000020	- WPX0 LED ALO SWW2 MVOLT PE DDBXD M2 Type: B	13 EA	13	13	72.07 /1	EA	936.91
	000050	- FEM L48 8000LM IMAFL WDMVOLTGZ1040K8OCRI Type: C1	10 EA	10	10	238.34 /1	EA	2,383.40
	000080	- ELM6L UVOLT LTP SDRT Type: E	3 EA	3	3	186.58 /1	EA	559.74
	000100	- EU2C M6 Type: E2	1 EA	1	1	15.44 /1	EA	15.44
	000120	- ELA SD QWP L0309 M12 Type: ER	3 EA	3	3	67.36 /1	EA	202.08
	000170	- LQM S W 3 R 120/277 EL N M6 Type: X	1 EA	1	1	39.02 /1	EA	39.02

Cash discount of 53.55 by 12/10/2025
Total due by 12/25/2025
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			5,355.31
State Tax $	6.875 %	368.17	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	26.78	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			394.95
Net Invoice Amount $			**5,750.26**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931436966 Date: 11/05/2025

Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per UoM	Total Value
	000090	- ELM2L UVOLT LTP M12 Type: E1	9 EA	9	9	53.83 /1	EA	484.47

Cash discount of 4.84 by 12/10/2025
Total due by 12/25/2025
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			484.47
State Tax $	6.875 %	33.31	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	2.42	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			35.73
Net Invoice Amount $			**520.20**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

160436
12-10
12167.10LG
Lewiston WWTF
Impr. 5220.2

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931448544 **Date:** 11/06/2025
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material / MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per UoM	Total Value
	000040	- FEM L48 6000LM IMAFLWDMVOLTGZ1040K80CRI Type: C	25 EA	25	25	222.80 /1	EA	5,570.00
	000060	- FEM L48 10000LM IMAFLWDMVOLTGZ1040K80CRI Type: C2	4 EA	4	4	253.89 /1	EA	1,015.56

Cash discount of 65.86 by 12/10/2025
Total due by 12/25/2025
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			6,585.56
State Tax $	6.875 %	452.76	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	32.93	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			485.69
Net Invoice Amount $			**7,071.25**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

160483
12-0
12167.10LG.
Lewiston WWTF
Impr
52202.

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931487776 Date: 11/13/2025
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per	UoM	Total Value
	000180	- LHQM LED R HO R0 M6 Type: X1	3 EA	3	3	102.59 /1		EA	307.77

Cash discount of 3.08 by 12/10/2025
Total due by 12/25/2025
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			307.77
State Tax $	6.875 %	21.16	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	1.54	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			22.70
Net Invoice Amount $			**330.47**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

160876
12-10
12167.10LG.
Low Stay WWTF Impr
5220.2

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931528895
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Date: 11/20/2025

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per	UoM	Total Value
	000220	- DSXF1 LED P2 40K MFL MVOLT YKC62 DDBXD Type: D1	2 EA	2	2	207.25 /1		EA	414.50

Cash discount of 4.15 by 12/10/2025
Total due by 12/25/2025
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			414.50
State Tax $	6.875 %	28.50	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	2.07	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			30.57
Net Invoice Amount $			**445.07**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https://www.borderstates.com/termsAndConditions#

161219
12-10
12167.10LG
Lewiston WWTF
Impr
5222

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931571494 Date: 12/01/2025
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per UoM	Total Value
	000030	- WPX1 LED P1 40K MVOLT E14WC DDBXD Type: B1	2 EA	2	2	255.36 /1	EA	510.72

Cash discount of 5.11 by 01/10/2026
Total due by 01/25/2026
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			510.72
State Tax $	6.875 %	35.11	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	2.55	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			37.66
Net Invoice Amount $			**548.38**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

161585
1-10
12167.10LG
Lewiston WWTP impr
52202

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931733047 Date: 01/05/2026
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% DISCT PROX 10 DUE PROX NET

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per	UoM	Total Value
	000070	- DSXF2 LED P2 40K 70CRI FL MVOLT YKC62 DD Type: D	1 EA	1	1	290.16 /1		EA	290.16

Cash discount of 2.90 by 02/10/2026
Total due by 02/25/2026
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			290.16
State Tax $	6.875 %	19.95	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	1.45	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			21.40
Net Invoice Amount $			**311.56**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

162960
2-10
12167.10LG
Lewiston WWTF
Impr 5.2.22.

ORIGINAL

BORDER STATES

INVOICE

Invoice: 931905396 Date: 02/05/2026
Cust Acct#: 376139
P.O.#: 12167.10LG
Sales Order#: 10847691
Sales Doc Type: Sales Order
Payment Terms: 1% 10th PROX NET 25th(25)

Border States - RCH
100 Carlton Street SW
Rochester MN 55902
Phone: 507-280-4670

DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Please remit to:
Border States Industries Inc
NW 7235
PO Box 1450
Minneapolis MN 55485-1450

Ship to:
DESIGN ELEC-PLAINVIEW 039
50 4TH AVE NE
PLAINVIEW MN 55964-1480

Cust Item	Item	Material MFG - Description	Order Qty	Ship Qty	Back Ordered	Price	Per	UoM	Total Value
	000160	- EVLEDJ4C701 Type: G	5 EA	5	5	901.48 /1		EA	4,507.40

Cash discount of 45.07 by 03/10/2026
Total due by 03/25/2026
Mail at least 7 business days before due date.

Please return invoice with your remittance noting all adjustments.

Shipping and Handling $			0.00
Total $			4,507.40
State Tax $	6.875 %	309.88	
County Tax $	0.000 %	0.00	
Local Tax $	0.000 %	0.00	
Other Tax1 $	0.500 %	22.54	
Other Tax2 $	0.000 %	0.00	
Other Tax3 $	0.000 %	0.00	
Tax Subtotal $			332.42
Net Invoice Amount $			**4,839.82**

A finance charge of 1.5% per month or the maximum allowable by law whichever is greater, will be assessed if payment is not received by invoice due date.

To access Border States Terms and Conditions of Sale, please go to
https//www.borderstates.com/termsAndConditions#

164405
3-0
12167.10LG
Lewiston WWTF
Impr
5220.2.

ORIGINAL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/29/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Marsh McLennan Agency
505 Broadway North, Suite 100
Fargo ND 58102

CONTACT NAME: Jen Rudnicki
PHONE (A/C, No, Ext): 701-237-3311 **FAX (A/C, No):** 701-232-4442
E-MAIL ADDRESS: jen.rudnicki@marshmma.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Western National Assurance Com	24465
INSURER B : SFM Mutual Insurance Company	11347
INSURER C : IRONSHORE SPECIALTY INSURANCE	25445
INSURER D :	
INSURER E :	
INSURER F :	

INSURED DESIELE-01
Design Electric, Inc
PO Box 1252
Saint Cloud MN 56302

COVERAGES **CERTIFICATE NUMBER:** 1226223820 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR X 500 GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:	Y	Y	CPP1252939	12/31/2025	12/31/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			CPP1251344	12/31/2025	12/31/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** CLAIMS-MADE DED X RETENTION $ 10,000			UMB1042753	12/31/2025	12/31/2026	EACH OCCURRENCE AGGREGATE	$ 6,000,000 $ 6,000,000
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	34231.318	12/31/2025	12/31/2026	X PER STATUTE OTH-ER Minnesota E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C A A	Pollution/Professional Liability Inland Marine Inland Marine			DCP7PADF4OV001 CPP1252940 CPP1252940	12/31/2025 12/31/2025 12/31/2025	12/31/2026 12/31/2026 12/31/2026	Poll/Prof Liability Leased/Rented Equip Installation	$2,000,000 $250,000 $3,294,940

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Inland Marine Installation coverage includes sub limits of $500,000/In Transit and $500,000/Stored Materials.
When required in a written contract, Additional Insured applies on the General Liability policy for operations and completed operations and on a primary/non-contributory basis for Contractors (per form WNGL139), and for Lessors of Leased Equipment (per for CGMU0009), for Managers or Lessors of Premises (per form CGMU0009) and for Engineers, Architects, or Surveyors not engaged by the Named Insured (per form CG2032). When required in a written contract, Additional Insured applies on the Automobile policy on a primary/non-contributory basis (per form WNCA80), and on a primary/non-contributory basis on the Umbrella policy (follow form & per form WNCU117). When required in a written contract, Waiver of Subrogation applies on the General Liability policy (per form CGMU0009), on the Automobile policy (per form WNCA80), on the Umbrella policy (follow form), and on the Workers Compensation policy (per form WC000313).
See Attached...

CERTIFICATE HOLDER

Wapasha Construction Co. Inc.
927 E. King Street
Winona MN 55987

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: DESIELE-01

LOC #:

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Marsh McLennan Agency	Design Electric, Inc PO Box 1252 Saint Cloud MN 56302
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

Project: Wastewater Treatment Facility Improvements, 19765 Holmstead Drive, Lewiston, MN
Owner: City of Lewiston - 75 Rice St - PO Box 129, Lewiston, MN 55952
Wapasha Construction Co. Inc. and the City of Lewiston (owner) are included as additional insureds on a primary, non-contributory basis on General Liability (including on-going and completed operations) if required by signed written contract executed prior to loss. Waiver of Subrogation in favor of Wapasha Construction Co. Inc. and the City of Lewiston (owner) are afforded on General Liability and Workers Compensation if required by signed written contract executed prior to loss and where permitted by law. Should the insurance company(ies) cancel the policies for any statutorily permitted reason other than non-payment, 30 days' notice will be mailed or delivered to the certificate holder, if required by written contract.

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ABB

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve the MNWARN Mutual Aid Agreement

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Contracts

FROM:
Ragini Varma

Background:

Minnesota Statutes, Section 471.59, authorizes governmental units, through mutual agreement of their governing bodies, to jointly or cooperatively exercise any powers common to them.

MnWARN has been established through a Mutual Aid Agreement ("the Agreement") among governmental units, enabling water, wastewater, and stormwater utilities to assist one another during emergencies. The Parties acknowledge that during an Emergency, their utilities may require assistance—such as personnel, equipment, and supplies—from outside the affected area. This Agreement provides a framework for the Parties to participate in an intrastate mutual aid program to support water, wastewater, and stormwater utility services during such events.

The City of Lewiston has been a member of MNWARN since 2013. The Agreement now requires updating to explicitly include water, wastewater, and stormwater utilities, ensuring the City can access these services during emergencies. Participation in this program and use of its services carries no associated cost.

The Council is asked to direct the City Staff to complete the member information form and submit it to MNWARN, along with the resolution and the signed Agreement.

Staff Recommendation:

Approve the MNWARN Mutual Aid Agreement

Attachments:

2026-18 Resolution Authorizing Governmental Unit To Be A Party to Minnesota Water Agendy Response Netowrk MNWARN.docx
MnWarnMembershipForm.pdf
MNWARNMutualAidAgreementFinal.pdf

City of Lewiston, Minnesota
City Council Resolution #2026-18

RESOLUTION AUTHORIZING GOVERNMENTAL UNIT TO BE A PARTY TO MINNESOTA WATER AGENCY RESPONSE NETWORK (MnWARN)

WHEREAS, Minnesota Statutes, Section 471.59 authorizes governmental units by agreement of their governing bodies to jointly or cooperatively exercise any power common to them;

WHEREAS, MnWARN has been established by the adoption of a Mutual Aid Agreement (the Agreement) among Governmental Units to allow their water, wastewater and storm water utilities to assist each other in case of an emergency;

WHEREAS, the Agreement allows other governmental units to become a party to the Agreement by the adoption of this Resolution and sending notice to the Secretary of the Statewide Committee for MnWARN; and

WHEREAS, the governing body of the City of Lewiston considers it to be in the best interest of the City to be a party to the Agreement.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of City of Lewiston:

1. Authorizes the Mayor and Clerk-Administrator-Treasurer to sign this resolution evidencing the intent of ___ to be a party to MnWARN; and

2. Clerk-Administrator-Treasurer is directed to send a certified copy of this resolution and a completed membership information form to the Secretary of the Statewide Committee of MnWARN; and

3. City of Lewiston agrees to comply with all terms of the Agreement.

IN WITNESS WHEREOF, _____ by action of its governing body caused this Resolution to be approved on _____.

By: _____

Its Mayor

And: _____

Its Clerk-Administrator-Treasurer

MAIL TO:
Secretary of Statewide Committee
MnWARN
217 12th Avenue SE
Elbow Lake, MN 56531



Member Information Form

Utility Information

Utility Name: _____

Fill-in applicable information:

Water Utility: ☐	Wastewater Utility: ☐	Storm Water Utility: ☐
PWS ID#: _____	Permit# _____	Permit# (if applicable)
Connections: _____	Connections: _____	_____
Type of System:		
☐ Groundwater OR		
☐ Source Water		

Physical Address: _____

City/State/Zip: _____

County: _____

24 Hour Telephone# _____

Authorized Official: Primary Contact Information

Name: _____

Title: _____

Emergency Telephone#: _____

E-mail: _____

Additional Personnel Contact Information

Name: _____

Title

Emergency Telephone#: _____

E-mail: _____

Emergency Operation Center:

Name: _____

Emergency Telephone#: _____

E-mail: _____

Return Completed Form to MnWARN at 217 12th Avenue SE, Elbow Lake, MN 56531

MINNESOTA WATER AGENCY RESPONSE NETWORK (MnWARN) MUTUAL AID AGREEMENT

This Minnesota Water Agency Response Network (MnWARN) Mutual Aid Agreement is made and entered into by the undersigned Parties.

WHEREAS, the Parties hereto are authorized by law or home rule charter to establish a water, wastewater or storm water utility; and

WHEREAS, the Parties hereto have established a water, wastewater and/or storm water utility; and

WHEREAS, the Parties recognize that an Emergency may require Assistance in the form of personnel, equipment and supplies from a Utility outside the Governmental Unit; and

WHEREAS, the governing bodies of the Parties have investigated the facts and determined that it is in their best interests to authorize their Utilities to work cooperatively with another Party's Utilities when there is an Emergency; and

WHEREAS, Minnesota Statutes, Section 471.59 authorizes the Parties by agreement of their governing bodies to jointly or cooperatively exercise any power common to them.

NOW, THEREFORE, in consideration of the mutual covenants made herein, the Parties agree as follows:

ARTICLE I
PURPOSE

The Parties recognize that in an Emergency, their Utilities may require Assistance in the form of personnel, equipment and supplies from outside the area of impact. The purpose of this Agreement is to provide a framework, in the event of an Emergency, for the Parties to participate in an intrastate program for mutual aid assistance to provide water, wastewater and storm water utility services. The Parties authorize their Utilities to cooperatively assist other Party's Utilities when there is an Emergency, subject to the discretion of the Responding Party's Authorized Official as set forth in Article IV.

ARTICLE II
DEFINITIONS

A. Agreement — This Water Agency Response Network Mutual Aid Agreement.

B. Assistance — Resources, including but not limited to personnel, equipment, material and supplies that a Responding Party's Utility provides to a Receiving Party's Utility.

C. Authorized Official — An employee or official of a Party's Utility that is authorized by the Party's governing body to request Assistance or provide Assistance under this Agreement.

D. Emergency — Any occurrence that is, or is likely to be, beyond the control of the services, personnel, equipment or facilities of a Party's Utility.

E. Governmental Unit — A city, county or township in Minnesota or a city's public utilities commission.

F. MnWARN — The framework for public water, wastewater and storm water utilities in Minnesota to assist other public water, wastewater and storm water utilities when there is an Emergency that requires Assistance from another Utility. The framework includes this Agreement and other resources to be developed and coordinated by the Statewide Committee to implement the purpose of this Agreement.

G. National Incident Management System (NIMS) — A national, standardized approach to incident management and response that sets uniform processes and procedures for emergency response operations.

H. Party/Parties — One or more governmental units that has a water, wastewater or stormwater utility that executes this Agreement or adopts this Agreement by resolution pursuant to Article XIV.

I. Period of Assistance — The period of time when a Responding Party assists a Receiving Party. The period commences when personnel, equipment or supplies depart from a Responding Party's facility and ends when the resources return to their facility. All protections identified in the Agreement apply during this period. The Period of Assistance may occur during response to or recovery from an Emergency.

J. Receiving Party — A Party who requests and receives Assistance under this Agreement.

K. Responding Party — A Party that provides Assistance to another Party pursuant to this Agreement.

L. Statewide Committee — The committee responsible for overseeing MnWARN on a statewide level.

M. Steering Committee — The leadership group that established MnWARN and the development of this Agreement.

N. Utility/Utilities — A water, wastewater and/or storm water utility of a Party.

ARTICLE III
ADMINISTRATION

A. Statewide Committee.

1. Voting Members. MnWARN shall be administered through a Statewide Committee. The Statewide Committee shall be comprised of nine (9) voting members. The voting members of the Statewide Committee shall be comprised as follows: (i) an employee or official of a Utility located in Region 1 of the Minnesota Division of Homeland Security and Emergency Management Regions; (ii) an employee or official of a Utility located in Region 2 of the Minnesota Division of Homeland Security and Emergency Management Regions; (iii) an employee or official of a Utility located in Region 3 of the Minnesota Division of Homeland Security and Emergency Management Regions; (iv) an employee or official of a Utility located in Region 4 of the Minnesota Division of Homeland Security and Emergency Management Regions; (v) an employee or official of a Utility located in Region 5 of the Minnesota Division of Homeland Security and Emergency Management Regions; (vi) an employee or official of a Utility located in Region 6 of the Minnesota Division of Homeland Security and Emergency Management Regions; (vii) an employee or official of the Minnesota Rural Water Association; (viii) a representative from the Minnesota Section of the American Water Works Association; and (ix) a representative of the Minnesota Wastewater Operator's Association.

   a. Initial Voting Members. The initial voting members representing the six regions of the Minnesota Division of Homeland Security and Emergency Management Regions shall be selected by the Steering Committee. The other three voting members shall be selected by the organization they represent.

   b. Subsequent Voting Members. The appointment or election of subsequent voting members shall be done in accordance with bylaws to be adopted by the Statewide Committee.

   c. Terms. The terms of the voting members shall be established by the bylaws to be adopted by the Statewide Committee.

   d. Changes. The Statewide Committee may change the number or composition of the voting members in accordance with its bylaws.

2. Advisory Members. There shall be at least six (6) advisory members of the Statewide Committee who shall not be entitled to vote. The advisory member shall consist of a representative to be selected by each of the following organizations: (i) the Minnesota Pollution Control Agency; (ii) the Minnesota Department of Health; (iii) Minnesota Homeland Security and Emergency Management; (iv) the Association of Minnesota Emergency Managers; (v) the Minnesota Municipal Utilities Association; and (vi) the League of Minnesota Cities. The voting members of the Statewide Committee may change the number or composition of the advisory members in accordance with its bylaws. The terms of the advisory members shall be established by the bylaws of the Statewide Committee.

3. Officers. The Statewide Committee shall have the following officers: a Chair, a Vice-Chair and a Secretary. The initial officers shall be elected by the Statewide Committee at its first meeting. The terms of the initial officers and subsequently elected officers

shall be established by the bylaws of the Statewide Committee. The officers shall have the following powers:

a. Chair. The Chair shall have no more power than any other member of the Statewide Committee except that the Chair shall act as the presiding officer at all Statewide Committee meetings and may have other duties as assigned from time to time and prescribed by the Statewide Committee.

b. Vice-Chair. The Vice-Chair shall act as the presiding officer at any Statewide Committee meeting not attended by the Chair and shall perform the Chair's duties in the Chair's absence. The Vice-Chair may have other duties as assigned from time to time and prescribed by the Statewide Committee.

c. Secretary. The Secretary shall be responsible for ensuring that minutes are prepared for all Statewide Committee meetings. The Secretary shall also keep all books and records of the Statewide Committee and shall give all notices required by law, and may have other duties as assigned from time to time and prescribed by the Statewide Committee. The Statewide Committee may delegate all or part of the Secretary's duties required under this Section to another person; provided that such delegation shall not relieve the Secretary of ultimate responsibility for these duties

4. Powers. The Statewide Committee shall have the following powers:

a. To coordinate emergency planning and response activities of Utilities in coordination with the emergency management and public health system of the State;

b. To adopt policies and procedures to further the purpose of MnWARN;

c. To establish committees, including regional committees, to assist in implementing the purpose of MnWARN;

d. To develop a resource list of personnel, equipment, supplies and other resources that may be used to provide Assistance;

e. To establish a website to facilitate the Parties' use of MnWARN;

f. To develop protocols, forms or procedures for Parties to request assistance;

g. To develop educational materials; and

h. To develop training materials and conduct training for Parties.

5. Meetings. The Statewide Committee shall hold meetings as follows:

a. Organizational Meeting. An organizational meeting shall be held at a time and place to be determined by the Steering Committee.

b. Regular Meetings. Thereafter, the Statewide Committee shall meet at least annually. A schedule of regular meetings may be adopted by the Statewide

Committee at the organizational meeting. A schedule of regular meetings may be changed from time to time as deemed necessary by the Statewide Committee.

c. Special Meetings. Special meetings of the Statewide Committee may be called by the Chair and must be called by the Chair upon written request of two Statewide Committee members.

d. Quorum. The Statewide Committee shall not take official action unless a majority of the voting members are present in person or via electronic communication.

ARTICLE IV
REQUESTS FOR ASSISTANCE

A. Party Responsibility. The Parties shall identify an Authorized Official and one or more alternates; provide contact information including 24-hour access; and maintain the resource information required contained in the member information form to be developed by the Statewide Committee. The Parties shall update this information as required by the bylaws.

In the event of an Emergency, a Party's Authorized Official may request Assistance from a Party's Utility. The Authorized Official must specifically state that Assistance is being requested under MnWARN to activate the provisions of this Agreement. Requests for Assistance can be made orally or in writing. When made orally, the request for Assistance shall be prepared in writing as soon as practicable. Requests for Assistance shall be directed to the Authorized Official of a Party. Specific protocols for requesting Assistance shall be established by the Statewide Committee.

B. Response to a Request for Assistance. After a Party receives a request for Assistance, the Authorized Official should evaluate if resources are available to respond to the request for Assistance. Following the evaluation, the Responding Party's Authorized Official shall inform, as soon as possible, the Receiving Party's Authorized Official if it can provide Assistance. If Assistance is provided, the Responding Party shall inform the Receiving Party about the type of available resources and the approximate arrival time of such resources.

C. Discretion of Responding Party's Authorized Official. Adoption of this Agreement does not create any duty to provide Assistance. When a Party receives a request for Assistance, the Authorized Official shall have absolute discretion to provide Assistance or to not provide Assistance. A Party's decision to provide Assistance or not provide Assistance shall be final. No Party nor any employee or officer of any Party shall be liable to any other Party or to any person for failure of any Party to furnish Assistance or for recalling Assistance.

ARTICLE V
RESPONDING PARTY PERSONNEL

A. National Incident Management System (NIMS). When providing Assistance under this Agreement, the Requesting Party's Utility and the Responding Party's Utility shall be organized and function under NIMS.

B. Control. The personnel of a Responding Party providing Assistance shall be under the direction and control of the Receiving Party until the Responding Party's Authorized Official withdraws Assistance. The Receiving Party's Authorized Official shall coordinate response

activities with the Responding Party's Authorized Official. Whenever practical, Responding Party personnel should plan to be self sufficient for up to 72 hours.

C. Food and Shelter. The Receiving Party shall supply reasonable food and shelter for Responding Party personnel for Assistance that is provided for more than 72 hours. If the Receiving Party is unable to provide food and shelter for a Responding Party's personnel, the Responding Party's Authorized Official or designee is authorized to secure food and shelter for its personnel and shall be entitled to reimbursement for such expenses from the Receiving Party. Reimbursement for food and shelter shall reflect the actual costs incurred by the Responding Party. If receipts are not available, the Responding Party cannot request reimbursement in excess of the State per diem rates for that area.

D. Communication. The Receiving Party shall provide Responding Party personnel with radio equipment as available, or radio frequency information to program existing radios, in order to facilitate communication among personnel providing Assistance.

E. Status. Unless otherwise provided by law, the Responding Party's officers and employees retain the same privileges, immunities, rights, duties, and benefits as provided in their respective jurisdictions.

F. Licenses and Permits. To the extent permitted by law, Responding Party personnel who hold licenses, certificates, or permits evidencing professional, mechanical, or other skills shall be allowed to carry out activities and tasks relevant and related to their respective credentials during the Period of Assistance.

G. Right to Withdraw. The Responding Party's Authorized Official retains the right to withdraw some or all of its resources at any time. Notice of intention to withdraw must be communicated to the Receiving Party's Authorized Official as soon as possible.

ARTICLE VI
COST REIMBURSEMENT

Unless otherwise mutually agreed in whole or in part, the Receiving Party shall reimburse the Responding Party for each of the following categories of costs incurred while providing Assistance during the Period of Assistance.

A. Personnel. A Responding Party shall be reimbursed for its actual costs paid to personnel providing Assistance during the Period of Assistance. The Responding Party's designated supervisor(s) must keep accurate records of work performed by personnel during the Period of Assistance. Reimbursement to the Responding Party must consider all personnel costs, such as salaries or hourly wages, including overtime, and costs for fringe benefits and indirect costs.

B. Equipment. The Receiving Party shall reimburse the Responding Party for the use of equipment during a Period of Assistance pursuant to the Responding Party's rate schedule. If the Responding Party does not have a rate schedule, the rates for equipment use must be based on the Federal Emergency Management Agency's (FEMA) Schedule of Equipment Rates. If a Responding Party uses rates different from those in the FEMA Schedule of Equipment Rates, the Responding Party must provide such rates in writing to the Receiving Party prior to supplying Assistance. Reimbursement for equipment not referenced on a Party's rate schedule or the FEMA Schedule of Equipment Rates must be developed based on actual recovery of costs.

C. Materials and Supplies. The Receiving Party must reimburse the Responding Party in kind or at actual replacement cost, plus handling charges, for use of expendable or non-returnable supplies. The Responding Party must not charge direct fees or rental charges to the Receiving Party for other supplies and reusable items that are returned to the Responding Party in a clean, damage-free condition. Reusable supplies that are returned to the Responding Party with damage must be treated as expendable supplies for purposes of cost reimbursement.

D. Payment Period. The Responding Party must provide an itemized bill to the Receiving Party for all expenses it incurred as a result of providing Assistance under this Agreement. The Responding Party must send the itemized bill not later than ninety (90) days following the end of the Period of Assistance. The Receiving Party must pay the undisputed portion of the bill in full on or before the forty-fifth (45th) day following the billing date. Unpaid bills become delinquent upon the forty-sixth (46th) day following the billing date, and, once delinquent, the bill accrues interest at the standard rate of interest charged by the Responding Party for unpaid bills. If the Responding Party does not have a standard rate, the interest rate shall be the rate of prime, as reported by the *Wall Street Journal,* plus two percent (2%) per annum. Any undisputed amount must be resolved using the procedures set forth in Article VII.

ARTICLE VII
DISPUTES

The Parties agree to act in good faith to undertake resolution of disputes, in an equitable and timely manner and in accordance with the provisions of this Agreement. If disputes cannot be resolved informally by the Parties, the following procedures shall be used:

A. Mediation. If there is a failure between Parties to resolve a dispute on their own, the Parties shall first attempt to mediate the dispute. The Parties shall agree upon a mediator, or if they cannot agree, the Statewide Committee Chair shall select a mediator. If the Chair of the Statewide Committee, has a conflict of interest, the duty for selecting a mediator shall pass to the Vice-Chair.

B. Arbitration. If the dispute remains unresolved following mediation, the dispute shall be submitted to arbitration under the Uniform Arbitration Act, Minnesota Statutes, Sections 572.08-.30. If the Parties cannot agree on one or more arbitrators, the arbitrator(s) shall be selected using the same procedure set forth for selecting a mediator. The decision of the majority of the arbitrators shall not be binding upon the Parties. If the arbitration decision is not accepted, the Parties may pursue any other legal remedy to resolve the dispute.

ARTICLE VIII
RECEIVING PARTY'S DUTY TO INDEMNIFY

For the purposes Minnesota Municipal Tort Liability Act, Minnesota Statutes, Chapter 466, the employees and officers of the Responding Party are deemed to be employees (as defined in Minnesota Statutes, Section 466.01, subdivision 6) of the Receiving Party.

The Receiving Party shall defend, indemnify and hold harmless, the Responding Party, its officers, employees, volunteers and agents from all claims, loss, damage, injury, and liability of

every kind, nature, and description, directly or indirectly arising from the Responding Party's Assistance during the Period of Assistance. The scope of the Receiving Party's duty to indemnify includes, but is not limited to, suits arising from, or related to, negligent or wrongful use of equipment or supplies on loan to the Receiving Party, or faulty workmanship or other negligent acts, errors, or omissions by the Responding Party personnel. The Receiving Party shall not be required to defend and indemnify the Responding Party for any willful or wanton misconduct of the Responding Party or its officer, employees, volunteers or agents. Under no circumstances, however, shall a party be required to pay on behalf of itself and other parties, any amounts in excess of the limits of liability established in Minnesota Statutes, Chapter 466 applicable to any one party. The intent of this article is to impose on each Receiving Party a limited duty to defend and indemnify a Responding Party for claims arising within the Receiving Party's jurisdiction subject to the limits of liability under Minnesota Statutes, Chapter 466. The purpose of creating this duty to defend and indemnify is to simplify the defense of claims by eliminating conflicts among defendants and to permit liability claims against multiple defendants from a single occurrence to be defended by a single attorney.

The Receiving Party's duty to indemnify is subject to, and shall be applied consistent with, the conditions set forth in Article X.

ARTICLE IX
DAMAGE TO EQUIPMENT

Each Party shall be responsible for damages to or loss of its own equipment. Each Party waives the right to sue any other Party for any damages to or loss of its equipment, even if the damages or losses were caused wholly or partially by the negligence of any other Party or its officers, employees, or volunteers.

ARTICLE X
WORKERS' COMPENSATION

Each Party shall be responsible for injuries or death of its own personnel. Each Party will maintain workers' compensation insurance or self-insurance coverage, covering its personnel while they are providing Assistance pursuant to this Agreement. Each Party waives the right to sue another Party for any workers' compensation benefits paid to its own personnel while they are providing Assistance pursuant to this Agreement. Each Party waives the right to sue another Party for any workers' compensation benefits paid to its own employee or volunteer or their dependents, even if the injuries were caused wholly or partially by the negligence of another Party or its officers, employees or volunteers.

ARTICLE XI
INSURANCE

Parties to this Agreement shall maintain the following liability coverages: (1) commercial general liability; and (2) automobile liability, including owned, hired, and non-owned automobiles. Each policy shall have a limit at least equal to the maximum municipal liability limit in Section 466.04, subd. 1. If the policy contains a general aggregate limit, the general aggregate limit shall not be less than double the maximum municipal liability limit in Section 466.04, subd. 1.

ARTICLE XII
WITHDRAWAL

A Party may withdraw from this Agreement by providing written notice of its intent to withdraw to the Statewide Committee Secretary. Withdrawal takes effect 60 days after notice is sent.

ARTICLE XIII
INTRASTATE AND INTERSTATE MUTUAL AID AND ASSISTANCE PROGRAMS

To the extent practicable, Parties to this Agreement are encouraged to participate in mutual aid and assistance activities conducted under the State of Minnesota Intrastate Mutual Aid and Assistance Program and the Interstate Emergency Management Assistance Compact (EMAC). Parties may voluntarily agree to participate in an interstate Mutual Aid and Assistance Program for Utilities through this Agreement if such a Program were established.

ARTICLE XIV
NEW MEMBERS

Other Governmental Units may be added to this Agreement upon approval of their governing body as evidenced by adoption of the resolution attached as Exhibit I to this Agreement and execution by the Governmental Unit's authorized representatives. A Governmental Unit shall not become a Party to this Agreement until a certified copy of the resolution is received by the Statewide Committee Secretary. The Statewide Committee Secretary shall maintain a master list of all Parties to this Agreement.

ARTICLE XV
GENERAL PROVISIONS
MODIFICATION

A. Modification. No provision of this Agreement may be modified, altered or rescinded by individual parties to the Agreement. Modifications to this Agreement may be due to programmatic operational changes to support the Agreement. Modifications require a simple majority vote of the Parties to this Agreement. The Statewide Committee Secretary shall provide written notice to all Parties of approved modifications to this Agreement. Approved modifications take effect 60 days after the date upon which notice is sent to the Parties.

B. Signatory Indemnification. In the event of a liability, claim, demand, action or proceeding of whatever kind or nature arising out of a Period of Assistance, the Parties who receive and provide Assistance shall indemnify and hold harmless those Parties whose involvement in the transaction or occurrence that is the subject of such claim, action, demand or other proceeding is limited to execution of this Agreement.

C. Prohibition on Third Parties and Assignment of Rights/Duties. This Agreement is for the sole benefit of the Parties and no person or entity shall have any rights under this Agreement as a third-party beneficiary. Assignments of benefits and delegations of duties created by this Agreement are prohibited and are without effect.

D. Notice. A Party who becomes aware of a claim or suit that in any way, directly or indirectly, contingently or otherwise, affects or might affect other Parties to this Agreement shall

provide prompt and timely notice to the Parties who may be affected by the suit or claim. Each Party reserves the right to participate in the defense of such claims or suits as necessary to protect its own interests.

E. Effective Date. This Agreement shall be effective after approval by the Parties' governing body and execution by the Parties' authorized representatives.

F. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Minnesota.

G. Captions. Article and section headings contained in this Agreement are included for convenience only and form no part of the Agreement among the Parties.

H. Waivers. The waiver by a Party of any breach or failure to comply with any provision of this Agreement by another Party shall not be construed as, or constitute a continuing waiver of such provision or a waiver of any other breach of or failure to comply with any other provision of this Agreement.

I. Counterparts**.** This Agreement may be executed in several counterparts, each of which shall be an original, all of which shall constitute but one and the same instrument.

J. Savings Clause. If any court finds any article, section or portion of this Agreement to be contrary to law or invalid, the remainder of the Agreement will remain in full force and effect.

IN WITNESS WHEREOF, the Parties, by action of their respective governing bodies, caused this Agreement to be approved on the dates below.

City of _____, Minnesota

The City Council of _____, Minnesota duly approved this Agreement on the _____ day of _____, 20__.

By: _____
Its Mayor

And: _____
Its Clerk

EXHIBIT I

RESOLUTION AUTHORIZING GOVERNMENTAL
UNIT TO BE A PARTY TO MINNESOTA WATER AGENCY RESPONSE NETWORK
(MnWARN)

WHEREAS, Minnesota Statutes, Section 471.59 authorizes governmental units by agreement of their governing bodies to jointly or cooperatively exercise any power common to them;

WHEREAS, MnWARN has been established by the adoption of a Mutual Aid Agreement (the Agreement) among Governmental Units to allow their water, wastewater and storm water utilities to assist each other in case of an emergency;

WHEREAS, the Agreement allows other governmental units to become a party to the Agreement by the adoption of this Resolution and sending notice to the Secretary of the Statewide Committee for MnWARN; and

WHEREAS, the governing body of [name of governmental unit] considers it to be in the best interests of the [City][County][Town] to be a party to the Agreement.

NOW, THEREFORE, BE IT RESOLVED, that [name of governmental unit]:

1. Authorizes [position title of designated employee or official] and [position title of designated employee or official] to sign this resolution evidencing the intent of [name of governmental unit] to be a party to MnWARN; and

2. [Name of designated employee or official] is directed to send a certified copy of this resolution and a completed membership information form to the Secretary of the Statewide Committee of MnWARN; and

3. [Name of political subdivision] agrees to comply with all terms of the Agreement.

IN WITNESS WHEREOF, [name of governmental unit], by action of its governing body, caused this Resolution to be approved on [Month/Date/Year].

By: _____

Its _____

And: _____

Its _____

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Monthly Ambulance Report

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Department Reports

FROM:
Matt Essig

Background:
Monthly Ambulance Department Report is being presented to the Council.

Staff Recommendation:
Monthly Ambulance Department Report as presented.

Attachments:
March 2026 L-SC Ambulance Council Report.pdf

L-SC AMBULANCE MONTHLY REPORT

March 2026

Mayor Carlson, Mayor Schaber & Councils
CC: Administrators Langholz & Varma

Attached are the reports for the month of March. Lewiston & St. Charles Ambulance (L-SC Ambulance) responded to a total of 65 incidents for the month. Call volume has started to increase compared to the first 2 months of the year. The St. Charles crew handled 32 incidents and made contact with 29 patients. The Lewiston crew handled 33 incidents and made contact with 32 patients. The call-hour report is included in your packet. A total of 4,108 hours of coverage were provided, and both trucks were staffed 100% of the month in each community.

Training was conducted on March 11 and March 24. Training was provided by SE EMS. Topics included: Geriatric Trauma-Assessment Considerations, Culturally Sensitive Communication/Considerations, and Central Nervous System Injuries. Crews participated in hands-on trauma assessments while also reviewing equipment locations in the trucks. We will continue with SE EMS training during the month of April.

Assessment meetings continued throughout the month as Mr. Edwards continues to work on recommendations. Once his work is completed, a meeting will be scheduled for him to present his findings and recommendations.

An Emergency Medical Responder refresher course was completed for members of the St. Charles Fire Department. Crew continues to teach the EMR initial class at the L-A High School.

All EMT's on the service who were due to expire on 3/31 have renewed their certification.

Currently, three members are enrolled in an EMT class being conducted in Altura. This class will end in April, and we hope to have some new credentialed EMT's before summer.

Madeline Murphy resigned from the service in March. Maddie was an out-of-town member who volunteered at both the Lewiston & St. Charles stations. We thank her for serving our communities!

We conducted interviews and are hiring 2 new members who are already credentialed EMT's. Braeden Johnson & Brynn Lenz will serve in both locations assisting where coverage is needed.

The Lewiston crew put the Zoll Cardiac monitor in-service on 3/25/26. Things have been going well, and members are adjusting to the new device.

A new 800mhz Mobile Radio was installed in SC Truck 623. This equipment was purchased using state aid funds.

Please feel free to contact me with any questions or concerns. Thank you for your continued support.

Matt Essig
Director
L-SC Ambulance
messig@lewistonmn.gov
ambulance@cityofstcharlesmn.gov
507-523-2982

March 2026 Incident Detail

SC Ambulance

Incident Date	Call #	Shift	Unit Disposition	Transport Dispisition	Dispatch Complaint	Incident City
Mar-26	SC 26-052	Day Shift	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	Saratoga Township
Mar-26	SC 26-053	Evening Shift	Patient Contact Made	Patient Refused Transport	Falls	City of Saint Charles
Mar-26	SC 26-054	Day Shift	Patient Contact Made	Transport by This EMS Unit	Falls	City of Saint Charles
Mar-26	SC 26-055	Day Shift	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	City of Saint Charles
Mar-26	SC 26-056	Weekend Shift	Patient Contact Made	Transport by This EMS Unit	Hemorrhage/Laceration	City of Saint Charles
Mar-26	SC 26-057	Weekend Shift	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Saint Charles
Mar-26	SC 26-058	Day Shift	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	City of Saint Charles
Mar-26	SC 26-059	Day Shift	Patient Contact Made	Transport by This EMS Unit	Traffic/Transportation Incident	Saratoga Township
Mar-26	SC 26-060	Day Shift	Patient Contact Made	No Transport	Falls	Saratoga Township
Mar-26	SC 26-061	Day Shift	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Saint Charles
Mar-26	SC 26-062	Day Shift	Patient Contact Made	Transport by This EMS Unit	Altered Mental Status	City of Saint Charles
Mar-26	SC 26-063	Evening Shift	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	City of Saint Charles
Mar-26	SC 26-064	Evening Shift	Cancelled	Cancelled	Falls	City of Saint Charles
Mar-26	SC 26-065	Evening Shift	Patient Contact Made	Transport by This EMS Unit	Chest Pain (Non-Traumatic)	St Charles Township
Mar-26	SC 26-066	Weekend Shift	Patient Contact Made	Transport by This EMS Unit	Abdominal Pain/Problems	City of Saint Charles
Mar-26	SC 26-067	Evening Shift	Patient Contact Made	Transport by This EMS Unit	Altered Mental Status	City of Saint Charles
Mar-26	SC 26-068	Day Shift	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Saint Charles
Mar-26	SC 26-069	Day Shift	Patient Contact Made	Transport by This EMS Unit	Falls	City of Saint Charles
Mar-26	SC 26-070	Evening Shift	Patient Contact Made	Patient Refused Transport	Unconscious/Fainting/Near-Fainting	City of Saint Charles
Mar-26	SC 26-071	Evening Shift	Patient Contact Made	Transport by This EMS Unit	Falls	City of Saint Charles
Mar-26	SC 26-072A	Evening Shift	Fire Standby	Fire Standby	Fire	City of Saint Charles
Mar-26	SC 26-072B	Evening Shift	Fire Standby	Fire Standby	Fire	City of Saint Charles
Mar-26	SC 26-073	Day Shift	Patient Contact Made	ALS Intercept	Sick Person	City of Saint Charles
Mar-26	SC 26-074	Day Shift	Cancelled	Cancelled	Traumatic Injury	Saratoga Township
Mar-26	SC 26-075	Day Shift	Patient Contact Made	ALS Intercept	Unknown Problem/Person Down	City of Saint Charles
Mar-26	SC 26-076	Evening Shift	Patient Contact Made	Transport by This EMS Unit	Vomiting	City of Saint Charles
Mar-26	SC 26-077	Evening Shift	Patient Contact Made	Patient Refused Transport	Falls	City of Saint Charles
Mar-26	SC 26-078	Day Shift	Patient Contact Made	Transport by This EMS Unit	Sick Person	St Charles Township
Mar-26	SC 26-079	Weekend Shift	Patient Contact Made	Transport by This EMS Unit	Abdominal Pain/Problems	City of Saint Charles
Mar-26	SC 26-080	Weekend Shift	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Saint Charles
Mar-26	SC 26-081	Weekend Shift	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	City of Saint Charles
Mar-26	SC 26-082	Weekend Shift	Patient Contact Made	Patient Refused Transport	Falls	City of Saint Charles
Mar-26	SC 26-083	Evening Shift	Patient Contact Made	No Transport	Falls	City of Saint Charles

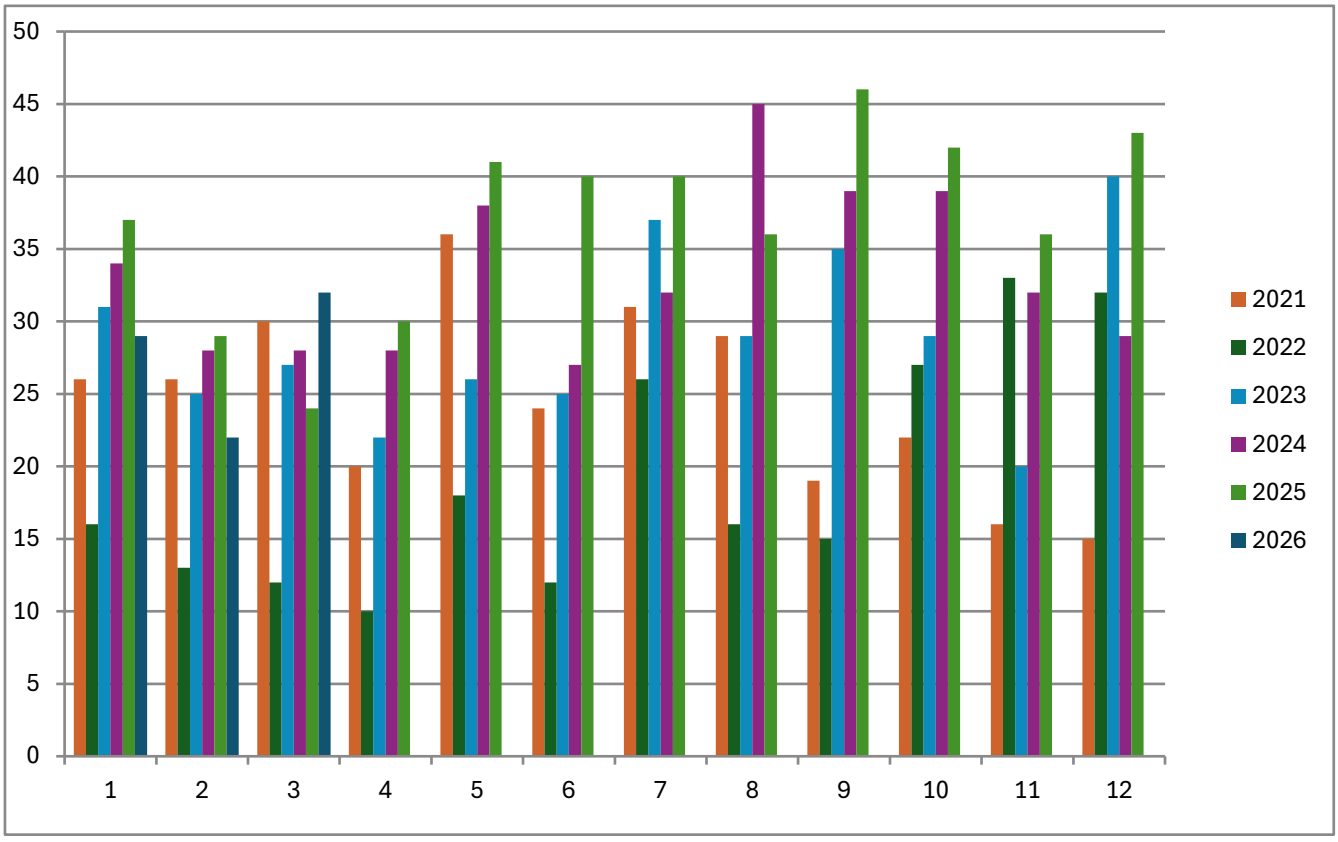
TOTAL INCIDENTS= 32
PATIENT CONTACTS= 29

St. Charles Ambulance Report

01/01/2026-03/31/26

	2021	2022	2023	2024	2025	2026	Month Avg	Patients
January	26	16	31	34	37	29	28.83	38
February	26	13	25	28	29	22	23.83	20
March	30	12	27	28	24	32	25.50	29
April	20	10	22	28	30		22.00	
May	36	18	26	38	41		31.80	
June	24	12	25	27	40		25.60	
July	31	26	37	32	40		33.20	
August	29	16	29	45	36		31.00	
September	19	15	35	39	46		30.80	
October	22	27	29	39	42		31.80	
November	16	33	20	32	36		27.40	
December	15	32	40	29	43		31.80	
Total Runs	294	230	346	399	444	83		87
Mid Year (June 30th)	162	81	156	183	201			
Monthly Avg	24.5	19.2	28.8	33.3	37.0	27.7		

AMBULANCE RUNS BY MONTH



St. Charles Ambulance Report
01/01/2026-03/31/26

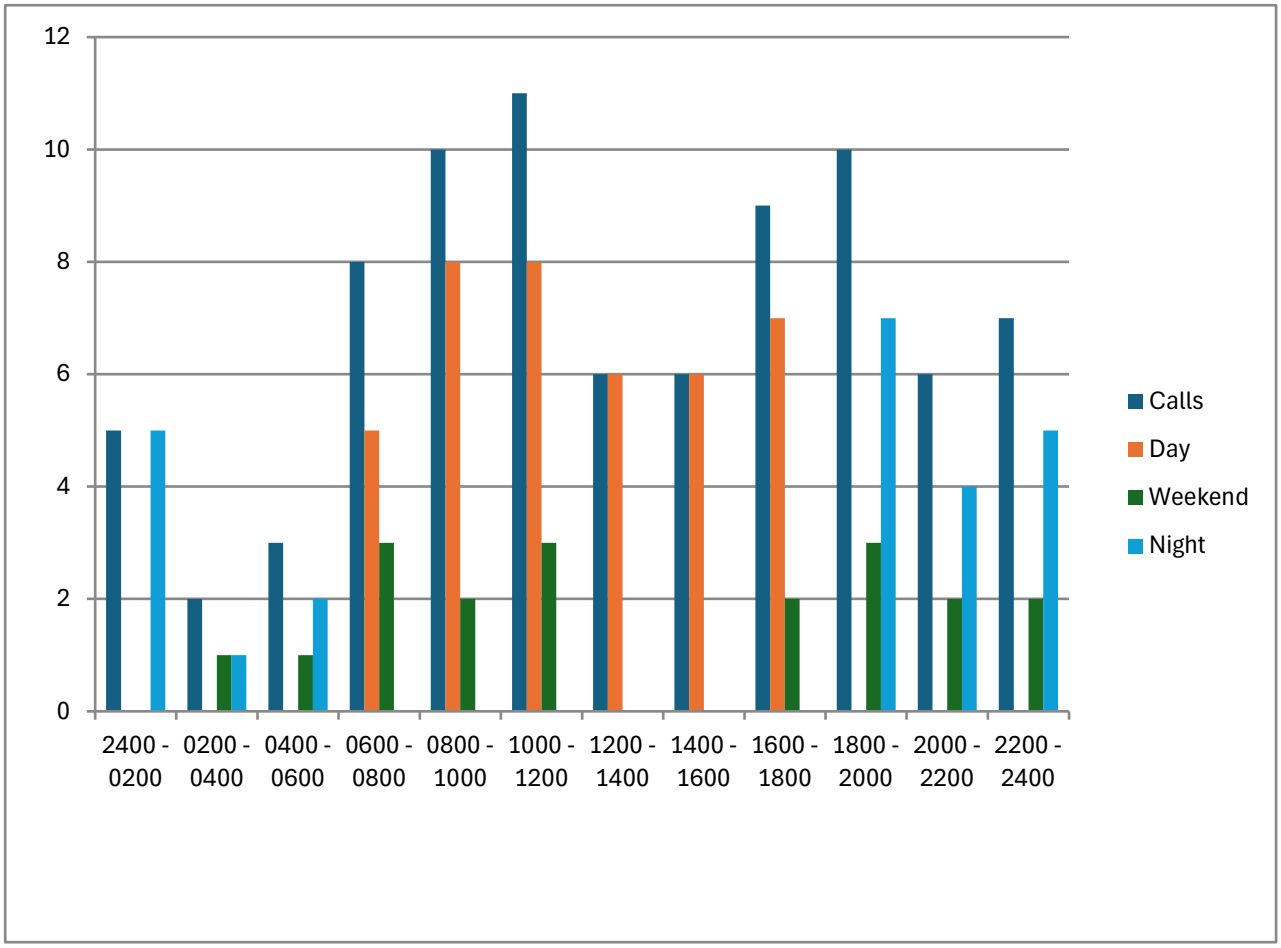
Times	Calls	Day	Weekend	Night	Patients
2400 - 0200	5		0	5	5
0200 - 0400	2		1	1	2
0400 - 0600	3		1	2	3
0600 - 0800	8	5	3		7
0800 - 1000	10	8	2		10
1000 - 1200	11	8	3		10
1200 - 1400	6	6	0		6
1400 - 1600	6	6	0		16
1600 - 1800	9	7	2		9
1800 - 2000	10		3	7	7
2000 - 2200	6		2	4	6
2200 - 2400	7		2	5	6
	83	**40**	**19**	**24**	**87**

48% of Calls During Day

23% of Calls During Weekend

29% of Calls During Night

CALLS BY TIME



March 2026 Incident Detail
Lewiston Ambulance

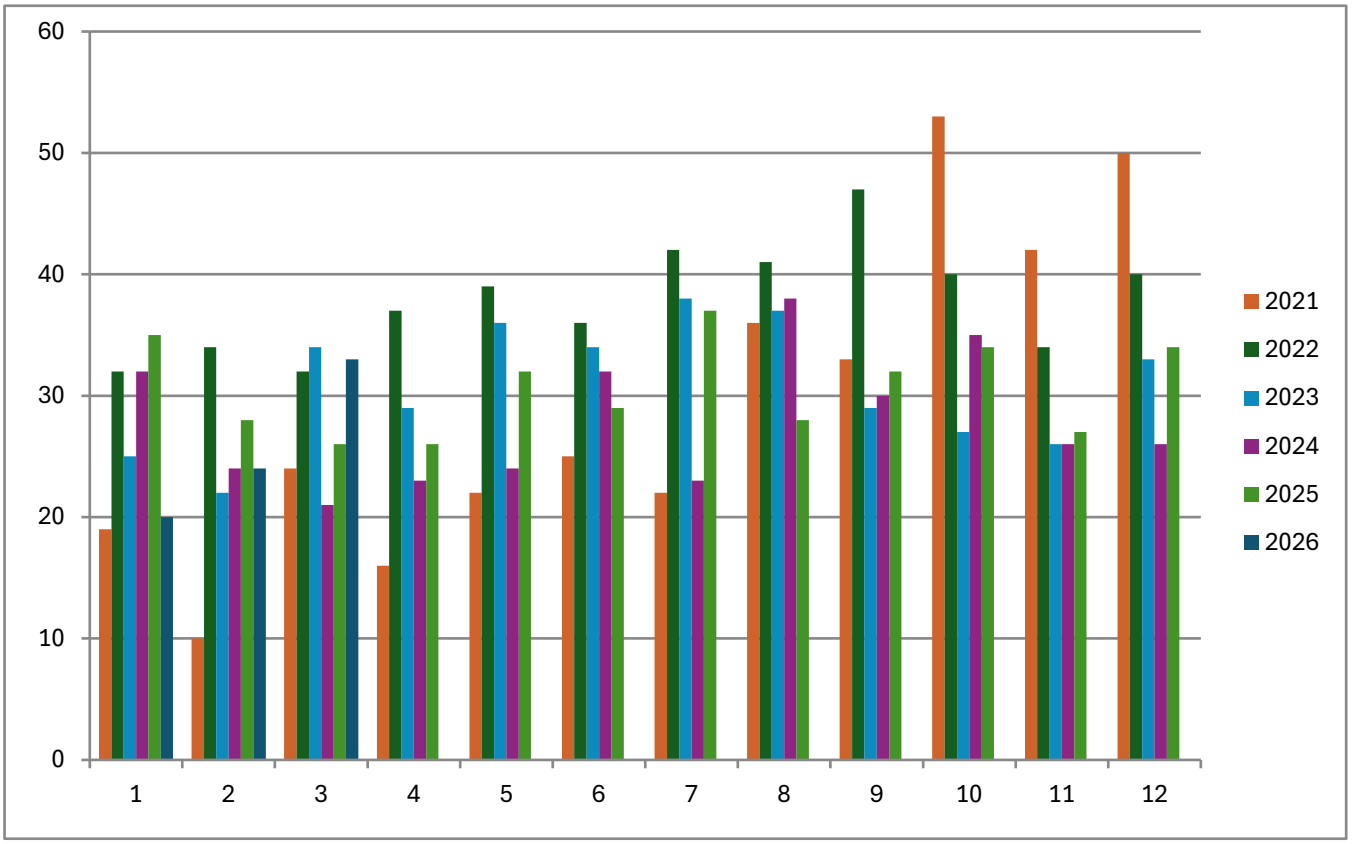
Incident Date	Call #	Shift	Unit Disposition	Transport Dispisition	Dispatch Complaint	Incident City
Mar-26	26-045	Weekend	Patient Contact Made	Patient Refused Transport	Falls	City of Lewiston
Mar-26	26-046	Evening	Cancelled	Cancelled	Sick Person	City of Stockton
Mar-26	26-047	Day	Patient Contact Made	No Transport	Cardiac Arrest/Death	City of Lewiston
Mar-26	26-048	Evening	Patient Contact Made	No Transport	Falls	City of Lewiston
Mar-26	26-049	Evening	Patient Contact Made	No Transport	Breathing Problem	City of Lewiston
Mar-26	26-050	Evening	Patient Contact Made	Transport by This EMS Unit	Chest Pain (Non-Traumatic)	City of Lewiston
Mar-26	26-051	Day	Patient Contact Made	Transport by This EMS Unit	Falls	City of Lewiston
Mar-26	26-052	Day	Patient Contact Made	Transport by This EMS Unit	Chest Pain (Non-Traumatic)	City of Stockton
Mar-26	26-053	Weekend	Patient Contact Made	Transport by This EMS Unit	Chest Pain (Non-Traumatic)	City of Lewiston
Mar-26	26-054	Weekend	Patient Contact Made	Transport by This EMS Unit	Stroke/CVA	Utica Township
Mar-26	26-055	Weekend	Patient Contact Made	Transport by This EMS Unit	Allergic Reaction/Stings	City of Goodview
Mar-26	26-056	Weekend	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Lewiston
Mar-26	26-057	Day	Patient Contact Made	ALS Intercept	Traffic/Transportation Incident	Saratoga Township
Mar-26	26-058	Evening	Patient Contact Made	ALS Intercept	Falls	Utica Township
Mar-26	26-059	Day	Patient Contact Made	Transport by This EMS Unit	Falls	City of Stockton
Mar-26	26-060	Day	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Lewiston
Mar-26	26-061	Day	Patient Contact Made	Transport by This EMS Unit	Choking	City of Stockton
Mar-26	26-062	Day	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	City of Stockton
Mar-26	26-063	Day	Patient Contact Made	Patient Refused Transport	Traffic/Transportation Incident	Fremont Township
Mar-26	26-064	Day	Patient Contact Made	No Transport	Falls	City of Lewiston
Mar-26	26-065	Day	Patient Contact Made	No Transport	Falls	City of Lewiston
Mar-26	26-066	Day	Patient Contact Made	Transport by This EMS Unit	Traffic/Transportation Incident	Fremont Township
Mar-26	26-067	Day	Patient Contact Made	Patient Refused Transport	Sick Person	City of Stockton
Mar-26	26-068	Day	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	St Charles Township
Mar-26	26-069	Evening	Patient Contact Made	Transport by This EMS Unit	Falls	Warren Township
Mar-26	26-070	Evening	Patient Contact Made	Transport by This EMS Unit	Falls	City of Lewiston
Mar-26	26-071	Weekend	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	City of Stockton
Mar-26	26-072	Day	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Utica
Mar-26	26-073	Day	Patient Contact Made	Transport by This EMS Unit	Sick Person	City of Utica
Mar-26	26-074	Evening	Patient Contact Made	Transport by This EMS Unit	Breathing Problem	Warren Township
Mar-26	26-075	Weekend	Patient Contact Made	Transport by This EMS Unit	Convulsions/Seizure	City of Lewiston
Mar-26	26-076	Day	Patient Contact Made	Transport by This EMS Unit	Falls	City of Lewiston
Mar-26	26-077	Evening	Patient Contact Made	Transport by This EMS Unit	Unconscious/Fainting/Near-Fainting	City of Lewiston

TOTAL INCIDENTS= 33
PATIENT CONTACTS= 32

Lewiston Ambulance Report
01/01/2026-03/31/2026

	2021	2022	2023	2024	2025	2026	Month Avg	Patients
January	19	32	25	32	35	20	27.17	19
February	10	34	22	24	28	24	23.67	23
March	24	32	34	21	26	33	28.33	32
April	16	37	29	23	26		26.20	
May	22	39	36	24	32		30.60	
June	25	36	34	32	29		31.20	
July	22	42	38	23	37		32.40	
August	36	41	37	38	28		36.00	
September	33	47	29	30	32		34.20	
October	53	40	27	35	34		37.80	
November	42	34	26	26	27		31.00	
December	50	40	33	26	34		36.60	
Total Runs	352	454	370	334	368	77		74
Mid Year (June 30th)	116	210	180	156	176			
Monthly Avg	29.3	37.8	30.8	27.8	30.7	25.7		

AMBULANCE RUNS BY MONTH



Lewiston Ambulance Report

01/01/2026-03/31/2026

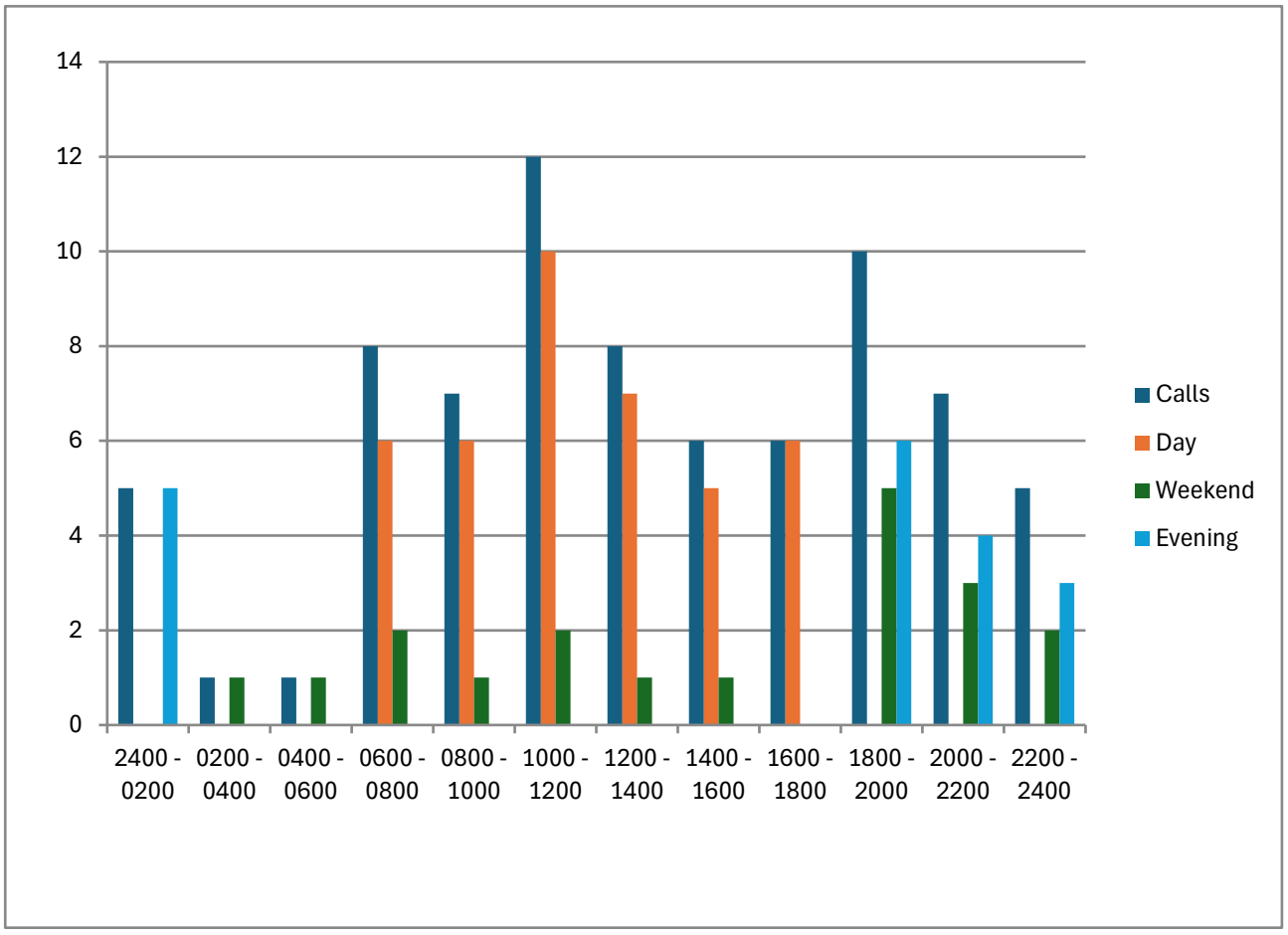
Times	Calls	Day	Weekend	Night	Patients
2400 - 0200	5		0	5	4
0200 - 0400	1		1	0	1
0400 - 0600	1		1	0	1
0600 - 0800	8	6	2		9
0800 - 1000	7	6	1		7
1000 - 1200	12	10	2		11
1200 - 1400	8	7	1		8
1400 - 1600	6	5	1		5
1600 - 1800	6	6	0		6
1800 - 2000	10		5	6	10
2000 - 2200	7		3	4	7
2200 - 2400	5		2	3	5
	76	**40**	**19**	**18**	**74**

52% of Calls During Day

25% of Calls During Weekend

23% of Calls During Night

CALLS BY TIME



March 2026

Call Hour Report

Member	Lew Truck	SC Truck	Total
Fruth, Dave	12	204	216
Nelson, Charayah	216	0	216
Smith, Jacob	45.5	130.5	176
Russell, Rachel	75	75	150
Carlson, Aaron	0	147	147
Mickow, Wyatt	76	64	140
Sula, Tom	134.5	0	134.5
Peterson, Jeffrey	133	0	133
Jones, Brent	132	0	132
Luehmann, Olivia	132	0	132
Majerus, Gary	0	127	127
Duncanson, Ross	125	0	125
Boice, Nathan	0	114	114
Cage, Todd	0	107	107
Bambenek, Shaelyn	105.5	0	105.5
Loftus, Kenny	0	102	102
Essig, Matt	73.5	27	100.5
Dahl, Kelly	92	0	92
Mote, Alan	90	0	90
Brown, Cindy	0	83	83
Johnson, Polly	0	79	79
Anderson McElligott, Gavin	9	66	75
Hedlund, Nathan	63	0	63
Nelson, Timothy	60	0	60
Ruchie, Madi	13.5	46	59.5
Carlson, Bria	0	59	59
Hutsell, Jared	0	59	59
Graham, Mark	0	58.5	58.5
Fohrman, Austin	0	57	57
Wirt, Elizabeth	56	0	56
Guenther, James	24	30	54
Corey, Crystal	53	0	53
Mockenhaupt, Jerel	0	50	50
Schossow, Scott	0	50	50
Sonsalla, Kelly	50	0	50
Melbostad, Dion	46.5	0	46.5
Franzen, Randy	42	0	42
Lewis, Sara	0	42	42
Hammann, Joelle	14	26.5	40.5
Schott, Carrie	0	36	36
Essig, Elanda	34	0	34
Dailey, Paige	0	33	33
Kronebusch, Elizabeth	30	0	30

March 2026

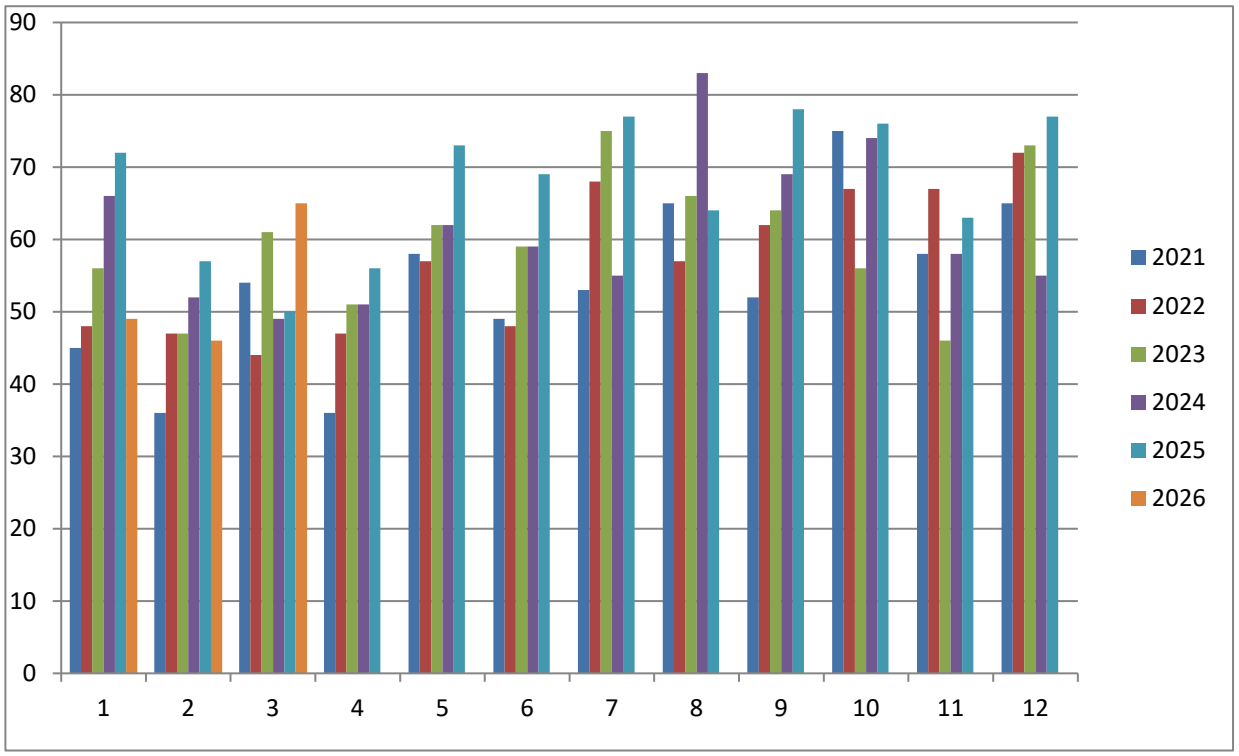
Call Hour Report

Member	LEW Total	SC Total	Total
Bailey, Nikki	0	29	29
Kronebusch, Isaiah	0	26.5	26.5
Ferden, Sarah	0	24	24
Field, Juliana	0	24	24
Jonsgaard, Scott	24	0	24
MacPartland, Valerie	0	24	24
Horvat, Dan	23	0	23
Nelson, Isaac	12	10	22
Neumann, Blake	0	20	20
Peshon, Triton	0	18	18
Kramer, Katherine	0	13	13
Conklin, Sean	0	12	12
Franzen, Adam	12	0	12
Haag, Carter	12	0	12
Warren, Jacob	8	0	8
Jonsgaard, Nickole	0	7	7
Bortz, Calley	0	0	0
Fredberg, Erik	0	0	0
Hernandez, Maria	0	0	0
Pelaez, Cassara	0	0	0
Schell, Miranda	0	0	0
TOTALS	**2028**	**2080**	**4108**

Combined L-SC Ambulance Call History Report
01/01/2026-03/31/2026

	2021	2022	2023	2024	2025	2026	Month Avg	2026 Patients
January	45	48	56	66	72	49	56.00	57
February	36	47	47	52	57	46	47.50	43
March	54	44	61	49	50	65	53.83	61
April	36	47	51	51	56		48.20	
May	58	57	62	62	73		62.40	
June	49	48	59	59	69		56.80	
July	53	68	75	55	77		65.60	
August	65	57	66	83	64		67.00	
September	52	62	64	69	78		65.00	
October	75	67	56	74	76		69.60	
November	58	67	46	58	63		58.40	
December	65	72	73	55	77		68.40	
Total Runs	646	684	716	733	812	160		161
Mid Year (June 30th)	278	291	336	339	377			
Monthly Avg	53.8	57.0	59.7	61.1	67.7	53.33		

AMBULANCE RUNS BY MONTH



Combined L-SC Ambulance Call History Report
01/01/2026-03/31/2026

2026 Both Services (1/1/26-03/31/26)

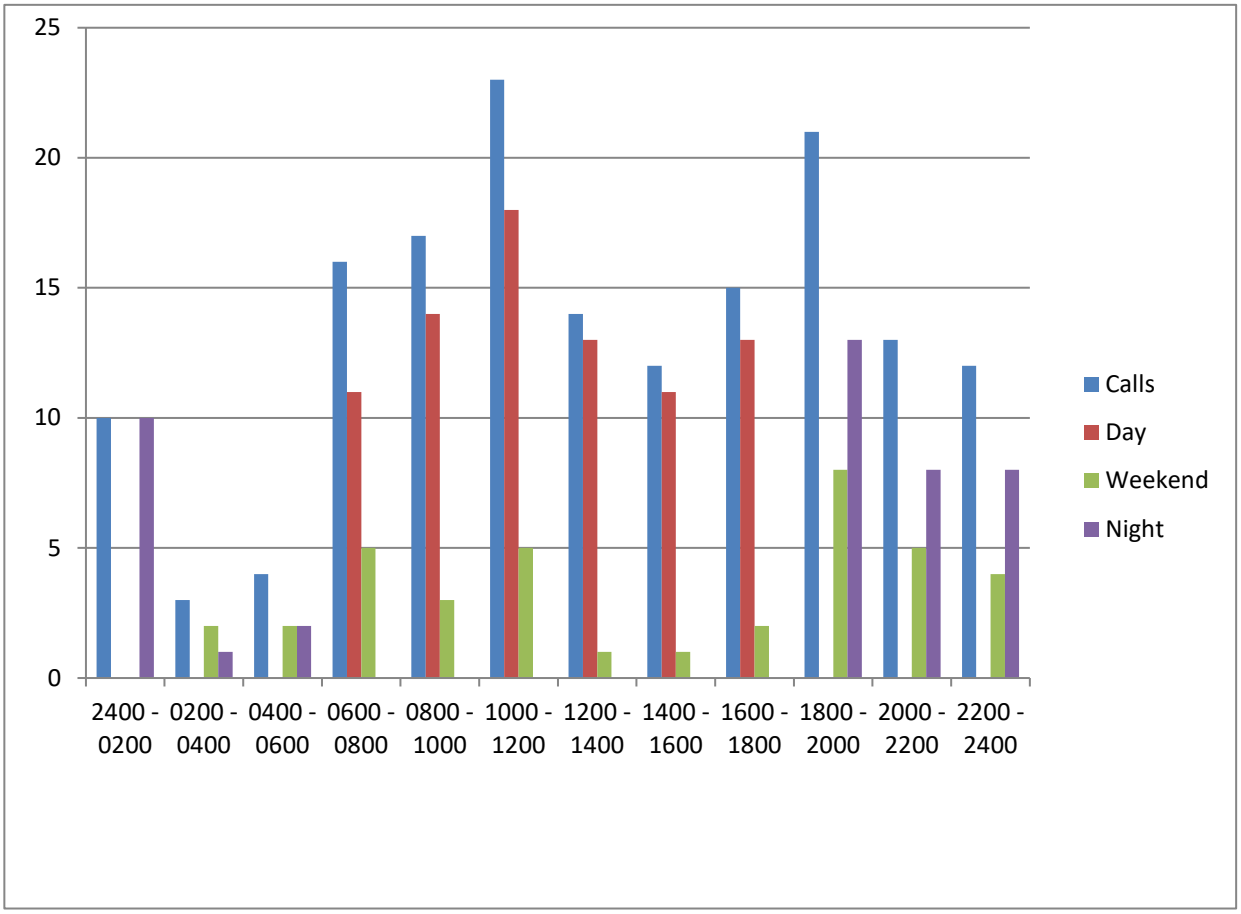
Times	Calls	Day	Weekend	Night	Patients
2400 - 0200	10		0	10	9
0200 - 0400	3		2	1	3
0400 - 0600	4		2	2	4
0600 - 0800	16	11	5		16
0800 - 1000	17	14	3		17
1000 - 1200	23	18	5		21
1200 - 1400	14	13	1		14
1400 - 1600	12	11	1		21
1600 - 1800	15	13	2		15
1800 - 2000	21		8	13	17
2000 - 2200	13		5	8	13
2200 - 2400	12		4	8	11
	160	**80**	**38**	**42**	**161**

50% of Calls During Day

24% of Calls During Weekend

26% of Calls During Night

CALLS BY TIME



CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

City Re-Branding and Marketing - Phase 2 Survey Results and Presentation

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Presentations

FROM:
Ragini Varma

Background:

Here's a polished and professional rewrite of your text:

City Re-Branding and Marketing – Phase 2 Survey Results & Presentation
We would like to extend our sincere thanks to everyone who participated in the second phase of the project. We are excited to announce that Professor Danilo Lj Bojic and his students are here to present the final top two logo designs, selected based on the Phase 2 survey results.

Attached, you will find the following survey results for your review:

- Community Survey Results
- Logo Survey – Short Results
- Logo Survey – Full Results
- PSA

Following the presentation, the Council is invited to ask questions. We will then discuss the next steps in the project.

Staff Recommendation:

City Re-Branding and Marketing - Phase 2 Survey Results and Presentation by the Students for the project. Council to approve one of the two design to move to the next steps.

Attachments:

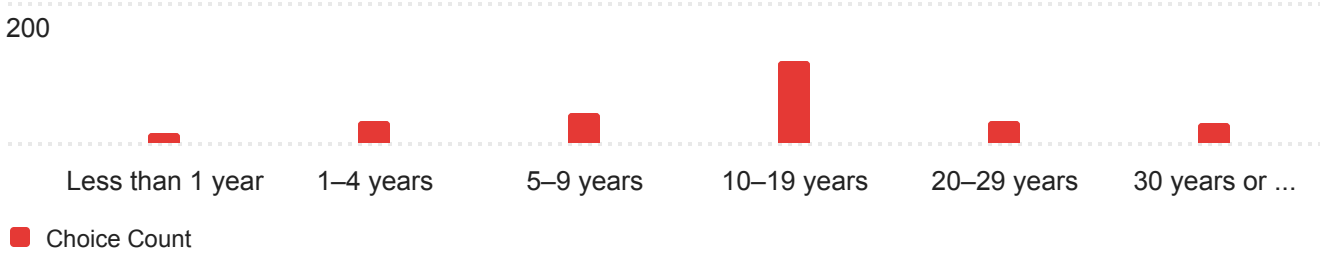
City of Lewiston Community Branding & Marketing Survey Results.pdf
City of Lewiston Logo & Tagline Feeedback_Short Results.pdf
City of Lewiston Logo & Tagline Feeedback_Full Results.pdf
PSA_CIty of Leiwston Visual Identity.pdf

Informed Consent - Informed Consent By selecting “I agree” below, you are agreeing to participate in the survey, according to your rights as a voluntary survey participant, as outlined above, and you provide consent to Dr. Danilo Lj. Bojić and the team of design students at Winona State University to use your survey responses as outlined above. By completing this survey, you acknowledge that you read the survey's objectives and voluntarily consent to participate. All your responses will

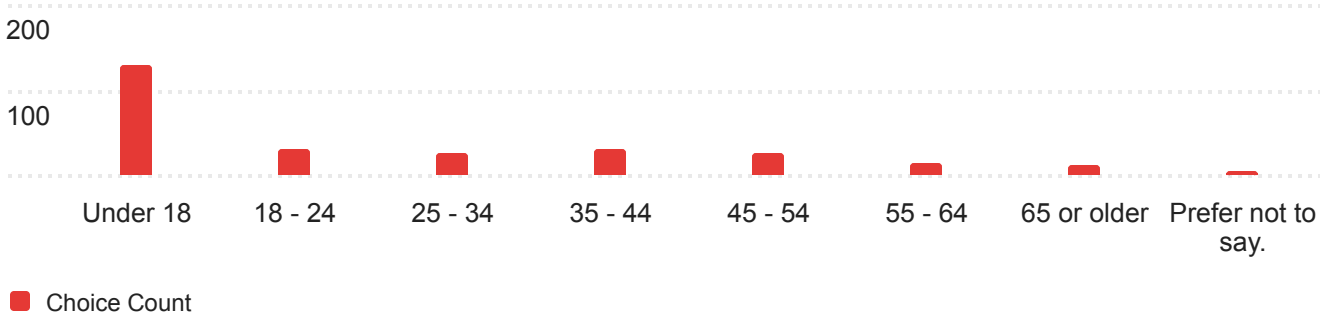
Q1. Residency status - Which of the following best describes the respondent’s connection to Lewiston? (Select all that apply.) - Selected Choice



Q2. Connection - For how many years has the respondent lived in, worked in, or been regularly connected to Lewiston?



Q3. Age group - Click to write the question text



Q4. Three words_1_TEXT - Word 1: - Text

Word 1: - Text
old town
Small town
Quotidian
Lacking
Old school
Peaceful
Friendly
Community
Community
Over taxed
Small
Simple
simple
uneventful
boring
Homely
Very Old

outdated
Boring
Boring

Q4. Three words_2_TEXT - Word 2: - Text

Word 2: - Text
hell
Camaraderie
Festive
Poor
Dying
Rural
Quaint
Close
Safety
Awful paved streets
Sweet
Connective
fun
boring
quiet
Connected
Outdated
no fun downtown
Inclusive

Small

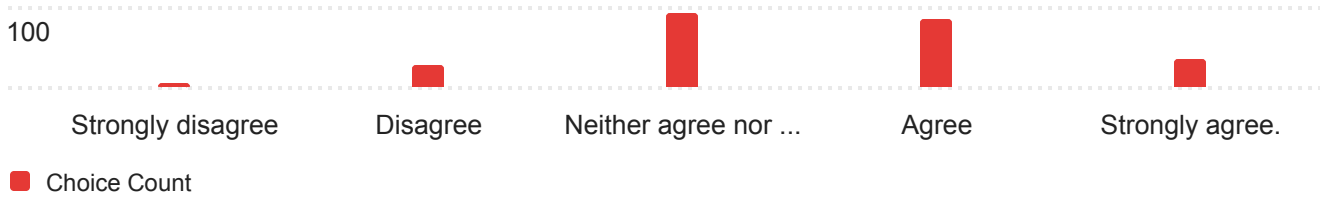
Q4. Three words_3_TEXT - Word 3: - Text

Word 3: - Text
bad school
Family
Benevolent
Underdeveloped
Small
Welcoming
Safe
Supportive
Neighborly
Bedroom community
Cool
Uneventful
bautiful
quiet
outdated
Quiet
Boring
boring
Uneventful
Agricultural

Q5. What makes_9_TEXT - Other (please specify): - Text

Other (please specify): - Text
Taxes
The crossing center
sports
really nothing
Scouts
sports
literalmente nada mas
Me
doesn't stand out
the crossings center
nothing makes LEWISTON stand out
The Kwik trip and the school
absolutely nothing
Crossings Center events
Fifty trout streams within twenty miles of Lewiston!

Q6. Sense of pride - How strongly does the respondent agree with the following statement: “I feel proud to say I am from or connected to Lewiston.”



Q7. Symbols_10_TEXT - Other (please specify): - Text

Other (please specify): - Text
nothing to do
county road 25 needs a turn lane cause everyone turns right and just does it illegally
Scouts
Me
farms
Don't need a rebrand
Heart
The Truth
Crossings Center
Heart of Winona County
Crossings center!

Q8. Symbols to avoid - Are there any symbols, images, or themes that should not be used to represent Lewiston? (Open-ended)

Are there any symbols, images, or themes that should not be used to represent Lewiston? (Open-ended)
the bad school
Small town, Christian centered
Large City Life
Fools 5
Secular, pagan
Drugs
Not really, but don't say we don't have a lot of walking places because we don't have actual bike paths.
I don't know

fun
Anything that shows hatred
Well developed, Educational opportunities
no
No
Don't mention how boring and jobless the town is
Big town, lots of stores
fun
very old
Big buildings, busy
none
no

Q9. Future_10_TEXT - Other (please specify): - Text

Other (please specify): - Text
Growth in places to eat that are quick or healthy, and places to go do stuff
More parks or stuff to do to attract foreign people
more things to do
more stuff to do bowling alley pool
Scouts
better golf course
you
Me
Just make the town look decent. Altura looks better than lewiston
I don't care tbh

fun things , bring back the bowling alley
It should involve its small-town-ness
New Housing
Housing
Crossings center
Expand housing developments!
Housing

Q10. Desired_11_TEXT - Other (please specify): - Text

Other (please specify): - Text
Connections within town
boring
boring
Tractors
anger despair hatred defeat
farm
Heart of Winona county. Keep that for our logo!
Heart or Diary Cows
All would be good/flavorful in some way
honesty

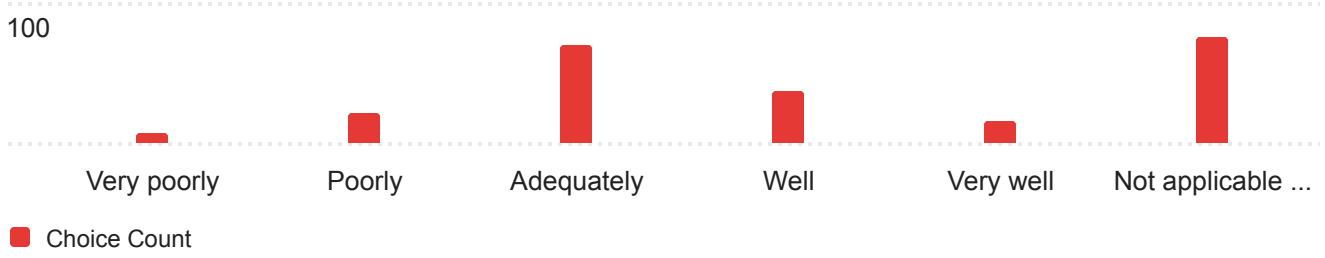
Q11. Balance - How should Lewiston's new branding balance tradition and modernity?



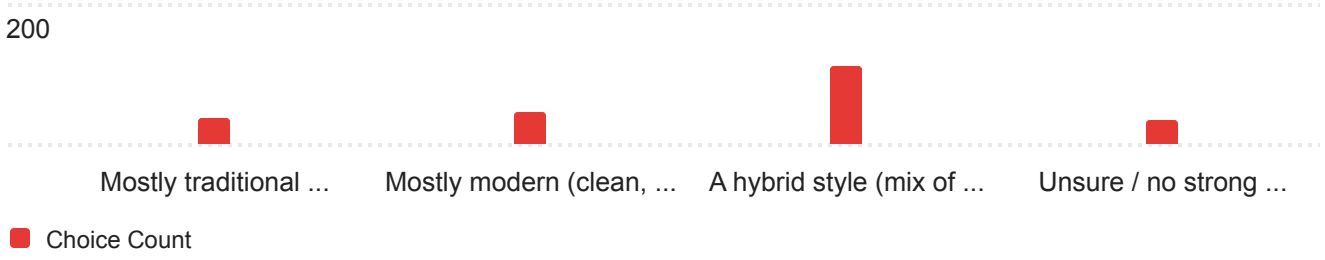
Q12. Awareness - Before this survey, was the respondent familiar with the current City of Lewiston logo or visual identity?



Q13. Overall - If familiar with the current logo, how well does it currently represent Lewiston?



Q14. Preferred style - If Lewiston were to have a new logo, which style would best fit the city?



Q15. Color_7_TEXT - Other (please specify): - Text

Other (please specify): - Text
Red for school/community mascot: Cardinals
School colors
pink and blonde
none
Cardinals
black white red green purple orange brown the whole rainbow (pride)
teal
roads
Red White and Black
Not necessary
Red,white, and black
Red and White
vibrant
a new logo isn't going to make our streets any smoother.

Q16. Visual - Are there any specific visual elements, icons, or imagery that the new logo should consider including? (Open-ended)

Are there any specific visual elements, icons, or imagery that the new logo should consider including? (Open-ended)
I think that having a flower or wheat, or other plant sprouting to show Lewiston's growth over time
Cross, cardinal, heart of Winona County
Farm fields
The windmills and water tower, maybe a tractor. But keep the heart.
algun animal que reprsente lo fuerte de Lewiston
cardinal
Heart, Hills, and Farmer/Tractor
Fields, local bird, water tower, golf course
Something to do with the future and crops grown here
Farming, small town
no
something fun
farming
no
things that represent homey aspects, or farming
rolling farming hills, a little town in the background and some sort of welcoming person figure or family
corn
more agriculture
a bowling pin and diving board
Fields, farming, teamwork, families, new opportunities.

Q17. Qualities_10_TEXT - Other (please specify): - Text

Other (please specify): - Text

Friendly community
Makes people like or want to come to Lewiston
just dont care
Heart of Winona County!
Heart of Winona County
Appealing to families to mover here.
I don't believe we need a new tagline.
Na

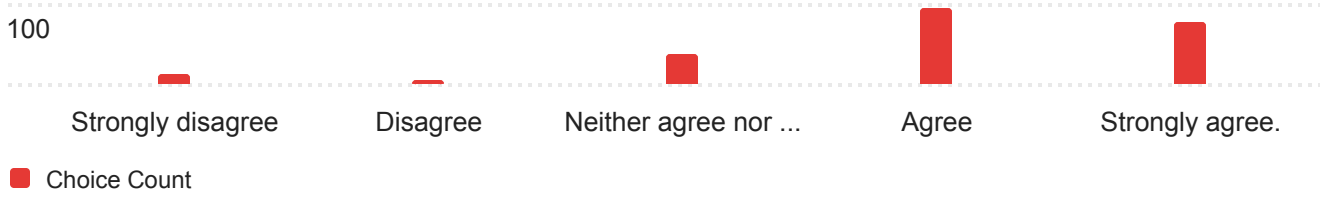
Q18. Words - What words or phrases should be considered for a new tagline for Lewiston? (Open-ended, residents may list several ideas.)

What words or phrases should be considered for a new tagline for Lewiston? (Open-ended, residents may list several ideas.)

Growth, safety, calmness
Heart of Winona County Passion, Heart, Quality, Integrity
Farming & community
Home town friendly
Not sure
lo mas bonito interesante
heart, love
idk
Together, Home, and Love
Dih

Farming, small town
small friendly
m
country
homey, traditional, agricultural, welcoming
family, agriculture, busy, future
it corn a big lump with knots
agriculture
we have a pool
Something with farming, it being peaceful, nice people, and traditions.

Q19. Message fit - How strongly does the respondent agree with the following statement: “Lewiston’s future tagline should feel welcoming to both long-term residents and newcomers.”



Q20. Reasons_8_TEXT - Other (please specify): - Text

Other (please specify): - Text
Churches and schools
bowling alley and pool more stuff to do
nothing
no reason
ME
there is no reason to stop in lewiston

I've had a friend visit here and she told me she doesn't know why anyone would want to live her
farming
I have no idea
Besides the crossing center the city isn’t doing anything to promote tourism or people moving here
There a lot of open opportunity for something great
The Crossings Center
Crossing center
Golf
Great community to raise children.

Q21. Desired_9_TEXT - Other (please specify): - Text

Other (please specify): - Text
Roads and attitudes
Geo tagging to attract people
New things to do (stores)
School
make more fun stuff, Improve infrastructure.
golf course
you
FIX TRAIN TRACKS
FIX THE RAIL ROAD
We have no tourism - why is that even a question

Q24_9_TEXT - Other (please specify): - Text

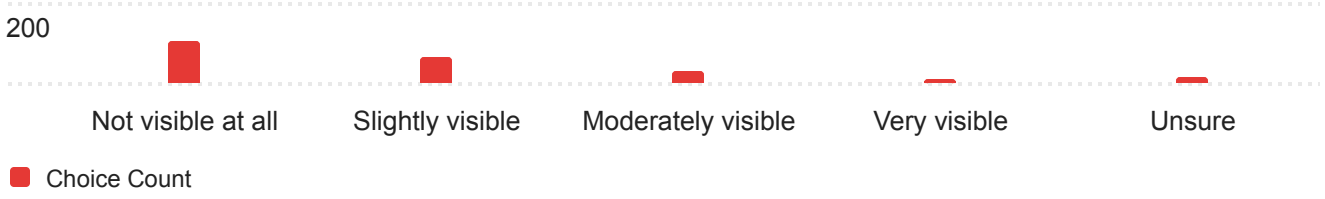
Other (please specify): - Text

teachers
classmates
friends at school
I dont get info
school
This is a place where the city can improve.
Involvement in emergency response
Unofficial community Facebook page (Lewiston, Minnesota Community News & Info)

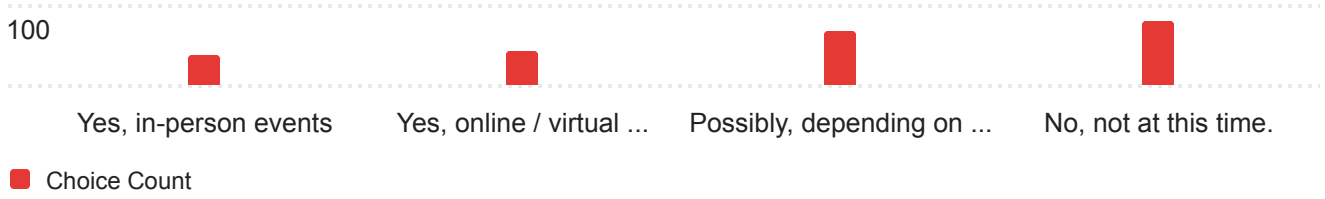
Q23. Preferred_9_TEXT - Other (please specify): - Text

Other (please specify): - Text
One main spot to go to for communication
none
school
None of the above
carrier pigeon and horseback
Message in bottle
I dont want info
I don't care
Word of mouth

Q24. Perceived - How visible does Lewiston currently feel in regional or state-level conversations (for example, tourism promotions, regional marketing, or state initiatives)?



Q25. Interest - Would the respondent be interested in participating in a future community engagement session, open house, or voting process to review logo and tagline options?



Q26. Final - Is there anything else the respondent would like the City of Lewiston and the project team to know about how the city should be represented through its logo, tagline, and marketing? (Open-ended)

Is there anything else the respondent would like the City of Lewiston and the project team to know about how the city should be represented through its logo, tagline, and marketing? (Open-ended)

Faith based
Christian, not too modern. Friendly, yet not specific to certain agendas.
Skatepark
I think we need more things to do in Lewiston or places to eat. Like bring back subway for a somewhat more healthy option to eat, and bring back the bowling alley or pool and Cardinals Nest bar. Those are some places I personally miss we used to have in Lewiston. Also I think we need a bike path in Lewiston especially that goes by Fisher Addition (Nicholas Drive) so that neighborhood gets the chance to walk or bike to town safely especially for kids and teenagers looking for something to do safely. Instead of staying on the street, or going on the highway which is very unsafe.

no

idk but we should have more fun things to do in this boring town.

nah

Keep everything family/community and agricultural based

NO

No

Get more cool stuff for the kids because the amount of families that live here is insane. They all have children and the parks are old and they want something else to do with their friends that is within a walking distance

Add some like shops and like stores, like a little grocery store in town

no

they should bring back the pool.

make some fun things for kids to do

no

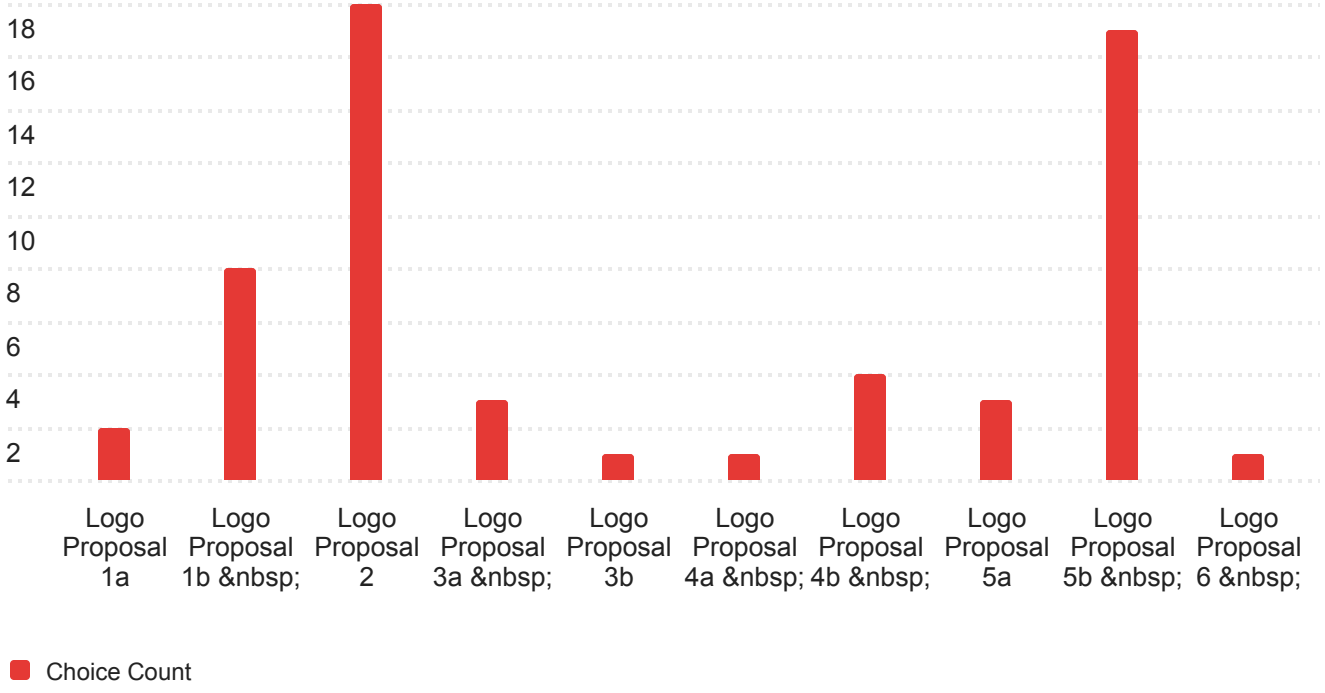
More homey, traditional but modern touches to it

Make everyone feel welcome, catch their eyes, include all parts of Lewiston that will make us standout from the rest of the small towns in our area, get our name out there.

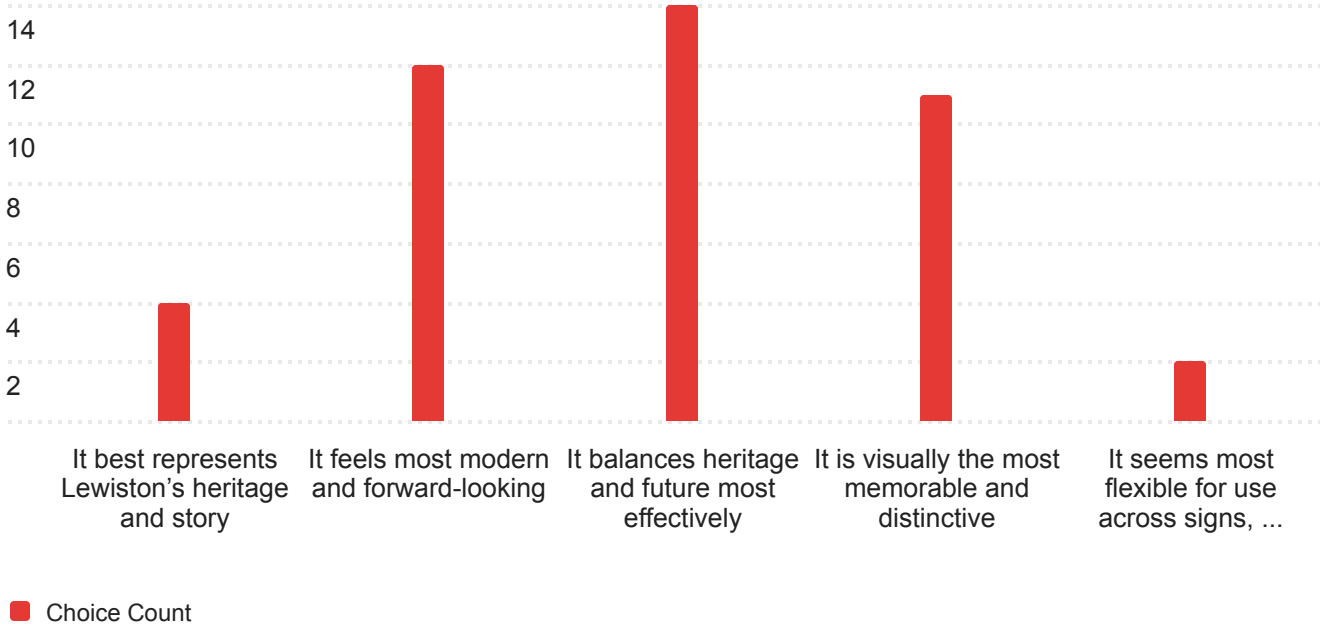
67

nope

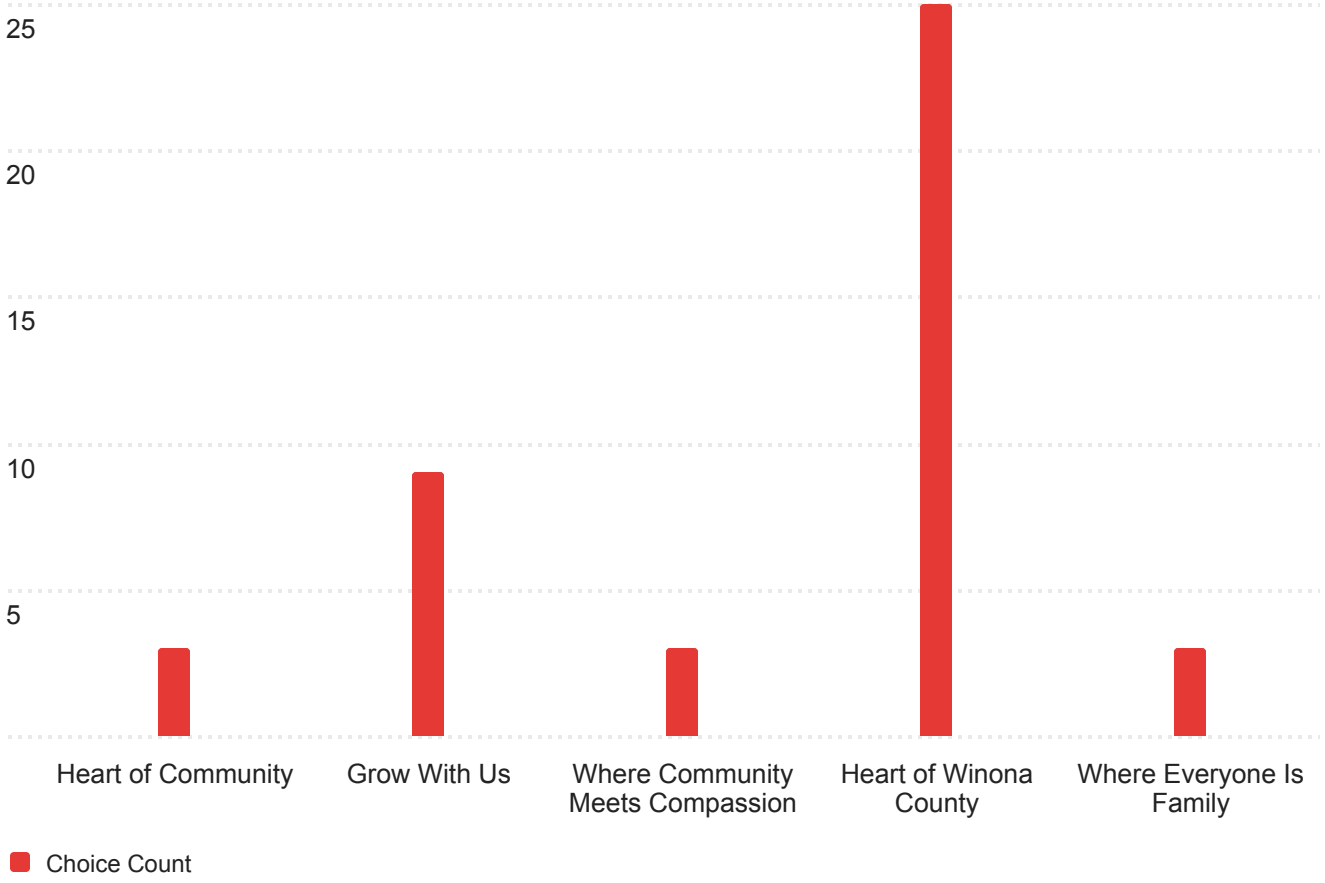
Q12. Logo Selection - Based on all impressions, which concept should move forward for further refinement? (Select one)



Q13. Primary Reason - Thinking of the concept that the respondent likes best (from Question 12), what is the main reason it stands out as the strongest direction for Lewiston?

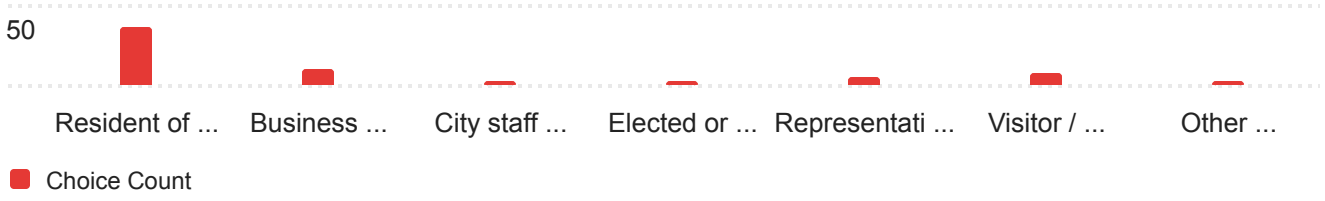


Q14. Tagline - Based on all impressions, which tagline should move forward for further refinement? (Select one)



Informed Consent - Informed Consent By selecting “I agree” below, you are agreeing to participate in the survey, according to your rights as a voluntary survey participant, as outlined above, and you provide consent to Dr. Danilo Lj. Bojić and the team of design students at Winona State University to use your survey responses as outlined above. By completing this survey, you acknowledge that you read the survey's objectives and voluntarily consent to participate. All your responses will

Q1. Respondent Role - What best describes the respondent’s relationship to the City of Lewiston? (Select all that apply.) - Selected Choice



Q1. Respondent Role_7_TEXT - Other (please specify): - Text

Other (please specify): - Text
Friend of city admin.

Q2. Logo 1a - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.74	0.71	0.50	46	80.00
Identity & future fit	1.00	3.00	1.74	0.74	0.54	46	80.00

Q3. Logo 1b - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.79	0.77	0.60	42	75.00
Identity & future fit	1.00	3.00	1.73	0.83	0.68	41	71.00

Q4. Logo 2 - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	2.14	0.81	0.66	44	94.00
Identity & future fit	1.00	3.00	2.14	0.84	0.71	44	94.00

Q5. Logo 3a - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.30	0.55	0.30	44	57.00
Identity & future fit	1.00	3.00	1.23	0.52	0.27	44	54.00

Q6. Logo 3b - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.39	0.53	0.28	44	61.00
Identity & future fit	1.00	3.00	1.36	0.53	0.28	44	60.00

Q7. Logo 4a - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum

Overall Effectivness	1.00	3.00	1.59	0.72	0.51	44	70.00
Identity & future fit	1.00	3.00	1.55	0.66	0.43	44	68.00

Q8. Logo 4b - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.84	0.80	0.63	44	81.00
Identity & future fit	1.00	3.00	1.70	0.76	0.57	44	75.00

Q9 Logo 5a - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.77	0.70	0.49	44	78.00
Identity & future fit	1.00	3.00	1.82	0.75	0.56	44	80.00

Q10 Logo5b - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.98	0.72	0.52	44	87.00
Identity & future fit	1.00	3.00	2.07	0.78	0.61	44	91.00

Q11 Logo 6 - Rates the overall effectiveness of the combined logo and tagline in represe...

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Overall Effectivness	1.00	3.00	1.14	0.40	0.16	44	50.00
Identity & future fit	1.00	3.00	1.16	0.42	0.18	44	51.00

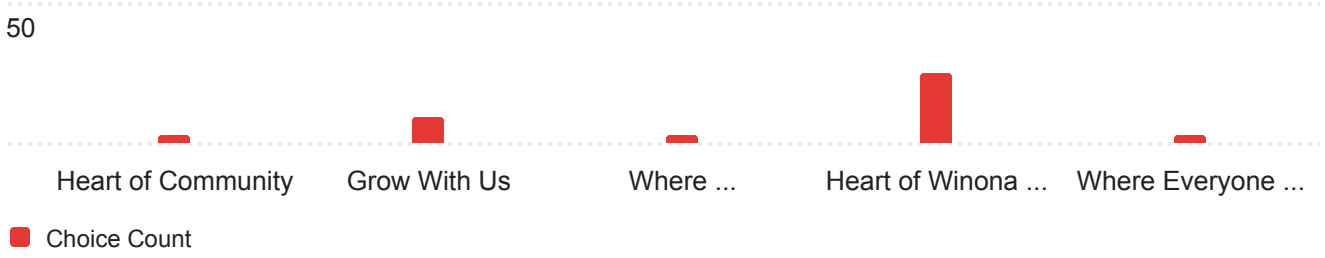
Q12. Logo Selection - Based on all impressions, which concept should move forward for further refinement? (Select one)



Q13. Primary Reason - Thinking of the concept that the respondent likes best (from Question 12), what is the main reason it stands out as the strongest direction for Lewiston?



Q14. Tagline - Based on all impressions, which tagline should move forward for further refinement? (Select one)



ART & DESIGN DEPARTMENT
IGNITE CREATIVE PASSION

DESIGN PROGRAM

City of Lewiston: Visual Identity Directions

The City of Lewiston community is invited to attend a live presentation by students from the Winona State University Design Program on Wednesday, April 8 at 6 p.m. during the Lewiston City Council meeting. The presentation will feature two proposed visual identity systems for the City of Lewiston's new logo, each developed in response to findings from the recently administered community survey.

Representing the student design team, Addie DeMars, a Graphic Design major at Winona State University, and Thea McAdams, an I–Design major with a concentration in Sustainable Applications, will present the final two directions for consideration. Their presentation will highlight how community feedback helped shape the proposed identity systems and how each direction seeks to reflect Lewiston's heritage, character, and future aspirations.

This presentation marks an important stage in the collaborative partnership between the City of Lewiston and the Winona State University Design Program. Community members are encouraged to attend and observe this meaningful step in the development of a new visual identity for the city.

CONTACT:
Dr. Danilo Lj. Bojić
Full Professor
Head of the Design Program

Winona State University
Watkins Hall 204D
Winona, MN 55987

P: 507.457.5625
E: dbojic@winona.edu

#wsuidesign #formyourfuture

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve Resolution #2026-17 Accepting 2026 Street Improvement & Utility Project Bid Results and Award Bid and Authorize Construction Engineering

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Resolutions

FROM:
Ragini Varma

Background:

Bid Results for 2026 Street & Utilities Improvement are now presented to the City Council. The bid advertisement was published in the City's Legal Newspaper and on QuestCDN Online, in compliance with MN Statutes 412.311. Bids were received online and opened at City Hall online via QuestCDN portal on Wednesday, April 2, 2026 at 1:00pm for the project referenced above.

Six bids were received and the results of the bids are tabulated and attached. The lowest bidder was A-1 Excavating Inc - Base Bid $3,069,444,00 - Alternate 1 (City Shop Sewer) $84,354.00 totaling $3,153,798.00 which is lower that the Engineer's estimate at $3,735,856.05.

A-1 Excavating has provided the following information:

- A1Excavating-Cover Letter
- A1Excavating-Equal Pay Certificate of Compliance Approval
- Minnesota Secretary of State Certificate of Authority
- A1Excavating-Responsible Contractor Verification and Certification of Compliance
- A1Excavating-2026 Prequalification Packet

Currently City is still working on an easement from Lewiston Feed in order to complete the Alternate 1. David Drown Associates will be bringing in the Bond Financing during the April22, 2026 Council meeting.

City of Lewiston is a Statutory city and all contracts and contracts of all cities for improvements under the local improvement code must generally go to the "lowest responsible bidder." The phrase "lowest responsible bidder" does not mean the lowest bidder, but the lowest bidder who is most likely to do faithful, conscientious work and promptly fulfill the contract according to its letter and spirit. In determining who the lowest responsible bidder is, the courts have said that the council has reasonable discretion. The successful bidder must be considered "responsible" to perform the proposed contract. "Responsibility" includes such

things as the bidder's financial responsibility, integrity, ability, skill, and likelihood of providing faithful and satisfactory performance. Council does have the authority to accept the lowest bidder or reject all the bids unless there are any questionable concerns.

All documents were submitted by Bolton Menk along with the tabulation. Also attached is the tax implication for the 2026 Street Project. Derek Olinger, our City Engineer from Bolton Menk is present to answer any questions Council may have.

Staff Recommendation:

Approve Resolution #2026-17 Accepting 2026 Street Improvement & Utility Project Bid Results and Award Bid and Authorize Construction Engineering

Attachments:

01_2026 Project Cover Letterv2.pdf
02_Bid Recommendation Letter_Abstract.pdf
2026-04-02_Post Bid_Funding Summaryv3.pdf
AS BID IMPACTS prior to official bond sizing.pdf
A1Excavating-City Cover Letter.pdf
A1Excavating-Equal Pay Certificate of Compliance Approval.pdf
A1Excavating-Minnesota Secretary of State.pdf
A1Excavating-Responsible Contractor Verification and Certification of Compliance.pdf
A1Excavating-2026 prequal packet.pdf
2026-17 Resolution_Accepting 2026 Street Improvement & Utility Project Bid Results and Award Bid and Authorize Construction Engineering.docx

BOLTON & MENK
Real People. Real Solutions.

2900 43rd Street NW
Suite 100
Rochester, MN 55901

Phone: (507) 208-4332
Bolton-Menk.com

April 2, 2026

Ragini Varma, City Administrator

RE: Street & Utility Improvements
City of Grand Meadow, MN
Project No.: 0H1.129078

Ms. Varma,

Now that bids have been received, we are ready for the council to consider moving forward with construction. A number of steps are necessary over the next few months

Funding Summary:
An updated funding summary based on bid pricing and projected final costs is attached. The total project cost is estimated at approximately $4.3 million, which is about 21% lower than previous estimates. At this time, the market for this type of work is extremely competitive, which will result in a significant cost savings for the City.

It has been requested to delay the assessment process until after the project is awarded. For the upcoming meeting, requested action is limited to the following:

Action items

1. **Award Bid**
   A separate bid recommendation letter is attached. The low bid is within the previously distributed project budget.

   In order to initiate the PFA funding package, the city must award the project as soon as possible. This will serve as the official notice to the PFA that the City intends to move forward with the project. Actual construction and related payments are not required until the city's funding is secured, contracts are signed, and we issue a notice to proceed.

   Requested Action: Approve the attached Resolution Accepting Bid.

2. **Authorize Construction Engineering**
   Our previous work orders authorized engineering services through bidding and bid award. The attached work order would authorize remainder of engineering and surveying to complete the project construction. Work generally consists of full time construction observation and contract management, construction staking/survey, and funding administration. Additional detail can be found in the attached work order. The associated costs are within the previously distributed project budgets and are reimbursable through the project loan and grant funding.

   Requested Action: Approve Bolton & Menk Work Order for Construction Services

Bolton & Menk is an equal opportunity employer.

A tentative project schedule of remaining milestones is provided below:

Resolution Awarding Bid & Const Services……Apr 08, 2026
Resolution Declaring Cost Assessed & Call for Assessment Hearing……Apr 22, 2026
Neighborhood Meeting ……Week of May 18, 2026
Assessment Hearing, Resolutions Adopting Assessments……May 27, 2026
Start Construction……Late May/Early Jun 2026
Substantial Completion (All work except final lift asphalt and minor repairs)……October 31, 2026
Final Completion……June 2027

Various other funding-related approvals will be requested over the months of April through June. We will provide additional information as it becomes available.

Please reach out to me with any questions.

Respectfully Submitted,

Bolton & Menk, Inc.

Derek Olinger, P.E.
Principal Engineer

Bolton & Menk is an equal opportunity employer.

BOLTON & MENK
Real People. Real Solutions.

2900 43rd Street NW
Suite 100
Rochester, MN 55901

Phone: (507) 208-4332
Bolton-Menk.com

April 2, 2026

Ragini Varma, City Administrator
City of Lewiston
75 Rice Street, PO Box 129
Lewiston, MN 55952

RE: 2026 Street & Utility Improvements
City of Lewiston
Project No.: 0H1.129078

Ms. Varma:

Bids were received and opened at City Hall on Wednesday, April 2, 2026 at 1:00pm for the project referenced above. Six bids were received and the results of the bids are tabulated below:

Bidder	Base Bid	Alternate 1 (City Shop Sewer)	Total
A-1 Excavating Inc	$3,069,444.00	$84,354.00	$3,153,798.00
Alcon Excavating	$3,240,498.34	$72,159.40	$3,312,657.74
Danckwart Companies	$3,284,129.13	$80,047.77	$3,364,176.90
BKC Construction LLC	$3,457,598.96	$82,638.61	$3,540,237.57
SL Contracting Inc	$3,474,860.57	$79,577.00	$3,554,437.57
Generation X Construction LLC	$3,609,621.80	$89,500.00	$3,699,121.80
Engineer's Estimate	$3,735,856.05	$88,760.00	$3,824,616.05

A detailed bid abstract of all the bids is attached for your review. If deemed financially feasible, we recommend awarding the contract to A-1 Excavating Inc of Bloomer, WI.

Sincerely,
Bolton & Menk, Inc.

Derek P. Olinger, PE
City Engineer

Enclosures

ABSTRACT OF BIDS

2026 STREET AND UTILITY IMPROVEMENTS
CITY OF LEWISTON, MINNESOTA
BMI PROJECT NO. 0H1.129078

BID DATE: 4/2/2026
TIME: 1:00 PM

ITEM NO.	MnDOT SPEC NO	ITEM	APPROX. QUANT.	UNIT	Engineer's Estimate Bolton & Menk, Inc. UNIT PRICE	Engineer's Estimate AMOUNT	A-1 Excavating Inc Bloomer, WI UNIT PRICE	A-1 Excavating Inc AMOUNT	Alcon Excavating Rochester, MN UNIT PRICE	Alcon Excavating AMOUNT	Danckwart Companies Kellogg, MN UNIT PRICE	Danckwart Companies AMOUNT	BKC Construction LLC La Crosse, WI UNIT PRICE	BKC Construction LLC AMOUNT	SL Contracting Inc Rochester, MN UNIT PRICE	SL Contracting Inc AMOUNT	Generation X Construction LLC Rushford, MN UNIT PRICE	Generation X Construction LLC AMOUNT
SECTION A - BASE BID SURFACE IMPROVEMENTS																		
1	2021.501	MOBILIZATION	1	L S	$ 250,000.00	$ 250,000.00	$ 110,855.00	$ 110,855.00	$ 376,905.94	$ 376,905.94	$ 315,000.00	$ 315,000.00	$ 357,000.00	$ 357,000.00	$ 190,000.00	$ 190,000.00	$ 205,000.00	$ 205,000.00
2	2104.502	SALVAGE SIGN	26	EACH	$ 100.00	$ 2,600.00	$ 70.00	$ 1,820.00	$ 60.00	$ 1,560.00	$ 40.00	$ 1,040.00	$ 100.00	$ 2,600.00	$ 40.00	$ 1,040.00	$ 150.00	$ 3,900.00
3	2104.502	SALVAGE MAIL BOX SUPPORT	18	EACH	$ 150.00	$ 2,700.00	$ 200.00	$ 3,600.00	$ 150.00	$ 2,700.00	$ 125.00	$ 2,250.00	$ 125.00	$ 2,250.00	$ 100.00	$ 1,800.00	$ 150.00	$ 2,700.00
4	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	420	L F	$ 5.00	$ 2,100.00	$ 6.00	$ 2,520.00	$ 6.00	$ 2,520.00	$ 5.91	$ 2,482.20	$ 4.75	$ 1,995.00	$ 4.00	$ 1,680.00	$ 5.00	$ 2,100.00
5	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	785	L F	$ 5.00	$ 3,925.00	$ 4.00	$ 3,140.00	$ 2.00	$ 1,570.00	$ 2.37	$ 1,860.45	$ 3.75	$ 2,943.75	$ 1.00	$ 785.00	$ 5.00	$ 3,925.00
6	2104.503	REMOVE CURB AND GUTTER	4595	L F	$ 4.00	$ 18,380.00	$ 3.00	$ 13,785.00	$ 7.70	$ 35,381.50	$ 2.52	$ 11,579.40	$ 3.38	$ 15,531.10	$ 5.00	$ 22,975.00	$ 3.00	$ 13,785.00
7	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	870	S Y	$ 11.00	$ 9,570.00	$ 8.00	$ 6,960.00	$ 5.50	$ 4,785.00	$ 7.44	$ 6,472.80	$ 33.00	$ 28,710.00	$ 15.00	$ 13,050.00	$ 5.00	$ 4,350.00
8	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	170	S Y	$ 6.00	$ 1,020.00	$ 5.00	$ 850.00	$ 5.50	$ 935.00	$ 3.04	$ 516.80	$ 10.80	$ 1,836.00	$ 4.00	$ 680.00	$ 5.00	$ 850.00
9	2104.504	REMOVE BITUMINOUS PAVEMENT	15570	S Y	$ 4.00	$ 62,280.00	$ 3.00	$ 46,710.00	$ 5.50	$ 85,635.00	$ 2.29	$ 35,655.30	$ 4.06	$ 63,214.20	$ 2.00	$ 31,140.00	$ 3.00	$ 46,710.00
10	2104.518	REMOVE CONCRETE WALK	17615	S F	$ 1.75	$ 30,826.25	$ 0.80	$ 14,092.00	$ 0.90	$ 15,853.50	$ 0.61	$ 10,745.15	$ 1.20	$ 21,138.00	$ 1.70	$ 29,945.50	$ 5.00	$ 88,075.00
11	2106.507	EXCAVATION - COMMON (P)	6330	C Y	$ 20.00	$ 126,600.00	$ 20.00	$ 126,600.00	$ 14.45	$ 91,468.50	$ 13.01	$ 82,353.30	$ 13.20	$ 83,556.00	$ 15.00	$ 94,950.00	$ 15.00	$ 94,950.00
12	2106.507	EXCAVATION - MUCK	634	C Y	$ 20.00	$ 12,680.00	$ 20.00	$ 12,680.00	$ 16.50	$ 10,461.00	$ 13.26	$ 8,406.84	$ 15.83	$ 10,036.22	$ 20.00	$ 12,680.00	$ 20.00	$ 12,680.00
13	2106.507	STABILIZING AGGREGATE (CV)	634	C Y	$ 38.00	$ 24,092.00	$ 41.00	$ 25,994.00	$ 35.15	$ 22,285.10	$ 32.52	$ 20,617.68	$ 35.05	$ 22,221.70	$ 40.00	$ 25,360.00	$ 35.00	$ 22,190.00
14	2108.504	GEOTEXTILE FABRIC TYPE 10	4523	S Y	$ 4.00	$ 18,092.00	$ 3.00	$ 13,569.00	$ 3.00	$ 13,569.00	$ 3.33	$ 15,061.59	$ 3.27	$ 14,790.21	$ 4.50	$ 20,353.50	$ 4.00	$ 18,092.00
15	2118.504	AGGREGATE SURFACING CLASS 2	20	TON	$ 45.00	$ 900.00	$ 26.00	$ 520.00	$ 63.35	$ 1,267.00	$ 41.66	$ 833.20	$ 61.66	$ 1,233.20	$ 25.00	$ 500.00	$ 35.00	$ 700.00
16		EXPLORATORY EXCAVATION	18	HOUR	$ 500.00	$ 9,000.00	$ 250.00	$ 4,500.00	$ 260.00	$ 4,680.00	$ 414.00	$ 7,452.00	$ 595.00	$ 10,710.00	$ 500.00	$ 9,000.00	$ 500.00	$ 9,000.00
17	2211.507	AGGREGATE BASE (CV) CLASS 5 (P)	5124	C Y	$ 38.00	$ 194,712.00	$ 39.00	$ 199,836.00	$ 33.50	$ 171,654.00	$ 33.11	$ 169,655.64	$ 33.11	$ 169,655.64	$ 29.90	$ 153,207.60	$ 35.00	$ 179,340.00
18	2215.504	SOIL CEMENT STABILIZATION (P)	12182	S Y	$ 22.00	$ 268,004.00	$ 12.00	$ 146,184.00	$ 11.75	$ 143,138.50	$ 12.49	$ 152,153.18	$ 13.54	$ 164,944.28	$ 19.00	$ 231,458.00	$ 15.00	$ 182,730.00
19	2231.604	BITUMINOUS PATCH SPECIAL (DRIVEWAY)	40	S Y	$ 60.00	$ 2,400.00	$ 83.00	$ 3,320.00	$ 105.00	$ 4,200.00	$ 52.50	$ 2,100.00	$ 52.50	$ 2,100.00	$ 56.00	$ 2,240.00	$ 55.00	$ 2,200.00
20	2231.604	BITUMINOUS PATCH SPECIAL (STREET)	70	S Y	$ 85.00	$ 5,950.00	$ 91.00	$ 6,370.00	$ 95.00	$ 6,650.00	$ 50.10	$ 3,507.00	$ 50.10	$ 3,507.00	$ 53.75	$ 3,762.50	$ 55.00	$ 3,850.00
21	2360.504	TYPE SP 9.5 WEARING COURSE MIX (3;C) 1.5" THICK	14586	S Y	$ 10.80	$ 157,528.80	$ 10.40	$ 151,694.40	$ 10.40	$ 151,694.40	$ 10.30	$ 150,235.80	$ 10.30	$ 150,235.80	$ 10.90	$ 158,987.40	$ 10.35	$ 150,965.10
22	2360.504	TYPE SP 12.5 WEARING COURSE MIX (3;C) 2" THICK	5695	S Y	$ 14.40	$ 82,008.00	$ 13.80	$ 78,591.00	$ 13.80	$ 78,591.00	$ 13.75	$ 78,306.25	$ 13.75	$ 78,306.25	$ 14.45	$ 82,292.75	$ 13.95	$ 79,445.25
23	2360.504	TYPE SP 12.5 NON WR CRS MIX (3,C) 2" THICK	5695	S Y	$ 14.00	$ 79,730.00	$ 14.30	$ 81,438.50	$ 14.30	$ 81,438.50	$ 14.25	$ 81,153.75	$ 14.25	$ 81,153.75	$ 15.00	$ 85,425.00	$ 14.75	$ 84,001.25
24	2360.504	TYPE SP 12.5 WEARING COURSE MIX (3;C) 2.5" THICK	8891	S Y	$ 18.00	$ 160,038.00	$ 18.60	$ 165,372.60	$ 18.70	$ 166,261.70	$ 18.55	$ 164,928.05	$ 18.55	$ 164,928.05	$ 19.47	$ 173,107.77	$ 19.50	$ 173,374.50
25	2521.518	CONCRETE STEPS	15	S F	$ 40.00	$ 600.00	$ 100.00	$ 1,500.00	$ 126.00	$ 1,890.00	$ 86.67	$ 1,300.05	$ 161.21	$ 2,418.15	$ 145.00	$ 2,175.00	$ 180.00	$ 2,700.00
26	2502.503	6" PERF PVC PIPE DRAIN	3743	L F	$ 19.00	$ 71,117.00	$ 21.00	$ 78,603.00	$ 13.20	$ 49,407.60	$ 25.17	$ 94,211.31	$ 28.68	$ 107,349.24	$ 27.00	$ 101,061.00	$ 30.00	$ 112,290.00
27	2502.602	6" PVC PIPE DRAIN CLEANOUT	7	EACH	$ 425.00	$ 2,975.00	$ 440.00	$ 3,080.00	$ 250.00	$ 1,750.00	$ 508.36	$ 3,558.52	$ 1,344.36	$ 9,410.52	$ 950.00	$ 6,650.00	$ 500.00	$ 3,500.00
28		SUMP PUMP SERVICE	29	EACH	$ 1,500.00	$ 43,500.00	$ 1,200.00	$ 34,800.00	$ 765.00	$ 22,185.00	$ 1,598.10	$ 46,344.90	$ 1,854.83	$ 53,790.07	$ 1,740.00	$ 50,460.00	$ 1,550.00	$ 44,950.00
29	2521.518	4" CONCRETE WALK	15940	S F	$ 8.50	$ 135,490.00	$ 7.00	$ 111,580.00	$ 7.55	$ 120,347.00	$ 7.40	$ 117,956.00	$ 9.03	$ 143,938.20	$ 10.00	$ 159,400.00	$ 8.00	$ 127,520.00
30	2521.518	4" CONCRETE WALK - THICKENED EDGE	845	S F	$ 10.00	$ 8,450.00	$ 9.60	$ 8,112.00	$ 10.65	$ 8,999.25	$ 11.30	$ 9,548.50	$ 12.04	$ 10,173.80	$ 13.00	$ 10,985.00	$ 8.00	$ 6,760.00
31	2521.518	6" CONCRETE WALK	1735	S F	$ 12.00	$ 20,820.00	$ 15.00	$ 26,025.00	$ 12.15	$ 21,080.25	$ 9.87	$ 17,124.45	$ 10.05	$ 17,436.75	$ 14.70	$ 25,504.50	$ 8.50	$ 14,747.50
32	2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	601	EACH	$ 12.00	$ 7,212.00	$ 16.00	$ 9,616.00	$ 9.65	$ 5,799.65	$ 7.50	$ 4,507.50	$ 11.03	$ 6,629.03	$ 10.00	$ 6,010.00	$ 18.00	$ 10,818.00
33	2531.503	CONCRETE CURB AND GUTTER DESIGN B412	120	L F	$ 35.00	$ 4,200.00	$ 27.00	$ 3,240.00	$ 29.55	$ 3,546.00	$ 35.00	$ 4,200.00	$ 43.14	$ 5,176.80	$ 32.95	$ 3,954.00	$ 28.00	$ 3,360.00
34	2531.503	CONCRETE CURB AND GUTTER DESIGN B424	4900	L F	$ 26.00	$ 127,400.00	$ 21.70	$ 106,330.00	$ 29.05	$ 142,345.00	$ 20.30	$ 99,470.00	$ 20.92	$ 102,508.00	$ 32.45	$ 159,005.00	$ 28.00	$ 137,200.00
35	2531.503	CONCRETE CURB AND GUTTER DESIGN B612	150	L F	$ 35.00	$ 5,250.00	$ 29.00	$ 4,350.00	$ 29.05	$ 4,357.50	$ 37.00	$ 5,550.00	$ 43.66	$ 6,549.00	$ 30.45	$ 4,567.50	$ 28.00	$ 4,200.00
36	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	115	L F	$ 35.00	$ 4,025.00	$ 36.00	$ 4,140.00	$ 27.05	$ 3,110.75	$ 44.50	$ 5,117.50	$ 46.52	$ 5,349.80	$ 32.45	$ 3,731.75	$ 28.00	$ 3,220.00
37	2531.503	CONCRETE CURB AND GUTTER DESIGN D418	140	L F	$ 35.00	$ 4,900.00	$ 34.00	$ 4,760.00	$ 29.05	$ 4,067.00	$ 47.00	$ 6,580.00	$ 44.24	$ 6,193.60	$ 31.45	$ 4,403.00	$ 28.00	$ 3,920.00
38	2531.603	CONCRETE CURB DESIGN V	120	L F	$ 45.00	$ 5,400.00	$ 26.60	$ 3,192.00	$ 29.55	$ 3,546.00	$ 43.00	$ 5,160.00	$ 39.10	$ 4,692.00	$ 34.00	$ 4,080.00	$ 28.00	$ 3,360.00

ABSTRACT OF BIDS

2026 STREET AND UTILITY IMPROVEMENTS
CITY OF LEWISTON, MINNESOTA
BMI PROJECT NO. 0H1.129078

BID DATE: 4/2/2026
TIME: 1:00 PM

ITEM NO.	MnDOT SPEC NO	ITEM	APPROX. QUANT.	UNIT	Engineer's Estimate Bolton & Menk, Inc.		A-1 Excavating Inc Bloomer, WI		Alcon Excavating Rochester, MN		Danckwart Companies Kellogg, MN		BKC Construction LLC La Crosse, WI		SL Contracting Inc Rochester, MN		Generation X Construction LLC Rushford, MN	
					UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
39	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	705	S Y	$ 85.00	$ 59,925.00	$ 94.00	$ 66,270.00	$ 90.65	$ 63,908.25	$ 97.25	$ 68,561.25	$ 90.28	$ 63,647.40	$ 119.00	$ 83,895.00	$ 72.00	$ 50,760.00
40	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	830	S Y	$ 95.00	$ 78,850.00	$ 101.00	$ 83,830.00	$ 94.70	$ 78,601.00	$ 103.29	$ 85,730.70	$ 95.00	$ 78,850.00	$ 121.50	$ 100,845.00	$ 90.00	$ 74,700.00
41	2531.603	CONCRETE SILL	580	L F	$ 14.00	$ 8,120.00	$ 21.35	$ 12,383.00	$ 9.85	$ 5,713.00	$ 18.01	$ 10,445.80	$ 10.00	$ 5,800.00	$ 10.00	$ 5,800.00	$ 15.00	$ 8,700.00
42	2531.618	TRUNCATED DOMES	224	S F	$ 70.00	$ 15,680.00	$ 62.00	$ 13,888.00	$ 60.65	$ 13,585.60	$ 74.00	$ 16,576.00	$ 50.38	$ 11,285.12	$ 59.50	$ 13,328.00	$ 90.00	$ 20,160.00
43	2540.602	INSTALL MAIL BOX SUPPORT	18	EACH	$ 175.00	$ 3,150.00	$ 200.00	$ 3,600.00	$ 127.00	$ 2,286.00	$ 350.00	$ 6,300.00	$ 200.00	$ 3,600.00	$ 200.00	$ 3,600.00	$ 150.00	$ 2,700.00
44	2563.601	TRAFFIC CONTROL	1	L S	$ 30,000.00	$ 30,000.00	$ 9,700.00	$ 9,700.00	$ 18,450.00	$ 18,450.00	$ 25,000.00	$ 25,000.00	$ 7,200.00	$ 7,200.00	$ 15,000.00	$ 15,000.00	$ 7,500.00	$ 7,500.00
45		TEMPORARY ACCESS ROAD FOR EMERGENCY SERVICES	1	L S	$ 25,000.00	$ 25,000.00	$ 1,000.00	$ 1,000.00	$ 5,970.00	$ 5,970.00	$ 25,000.00	$ 25,000.00	$ 12,000.00	$ 12,000.00	$ 15,000.00	$ 15,000.00	$ 10,000.00	$ 10,000.00
46	2564.602	INSTALL SIGN	26	EACH	$ 375.00	$ 9,750.00	$ 285.00	$ 7,410.00	$ 550.00	$ 14,300.00	$ 576.92	$ 14,999.92	$ 250.00	$ 6,500.00	$ 895.00	$ 23,270.00	$ 450.00	$ 11,700.00
47	2573.502	STABILIZED CONSTRUCTION EXIT	5	EACH	$ 1,000.00	$ 5,000.00	$ 100.00	$ 500.00	$ 1,200.00	$ 6,000.00	$ 1,121.00	$ 5,605.00	$ 100.00	$ 500.00	$ 1,500.00	$ 7,500.00	$ 750.00	$ 3,750.00
48	2573.501	EROSION CONTROL SUPERVISOR	1	L S	$ 2,500.00	$ 2,500.00	$ 1,000.00	$ 1,000.00	$ 2,215.00	$ 2,215.00	$ 1.00	$ 1.00	$ 700.00	$ 700.00	$ 500.00	$ 500.00	$ 5,000.00	$ 5,000.00
49	2573.502	STORM DRAIN INLET PROTECTION	39	EACH	$ 275.00	$ 10,725.00	$ 100.00	$ 3,900.00	$ 190.00	$ 7,410.00	$ 128.79	$ 5,022.81	$ 90.00	$ 3,510.00	$ 150.00	$ 5,850.00	$ 300.00	$ 11,700.00
50	2573.503	SILT FENCE; TYPE MS	200	L F	$ 3.00	$ 600.00	$ 2.00	$ 400.00	$ 2.90	$ 580.00	$ 4.86	$ 972.00	$ 8.00	$ 1,600.00	$ 5.00	$ 1,000.00	$ 4.00	$ 800.00
51	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	120	L F	$ 6.00	$ 720.00	$ 6.00	$ 720.00	$ 5.55	$ 666.00	$ 4.67	$ 560.40	$ 3.60	$ 432.00	$ 10.00	$ 1,200.00	$ 8.00	$ 960.00
52	2573.503	SEDIMENT CONTROL LOG TYPE ROCK	60	L F	$ 7.00	$ 420.00	$ 15.00	$ 900.00	$ 16.00	$ 960.00	$ 27.02	$ 1,621.20	$ 2.40	$ 144.00	$ 15.00	$ 900.00	$ 20.00	$ 1,200.00
53	2574.507	COMPOST GRADE 2	270	C Y	$ 30.00	$ 8,100.00	$ 40.00	$ 10,800.00	$ 52.15	$ 14,080.50	$ 63.00	$ 17,010.00	$ 55.00	$ 14,850.00	$ 75.00	$ 20,250.00	$ 35.00	$ 9,450.00
54	2574.508	FERTILIZER TYPE 3	210	L B	$ 2.50	$ 525.00	$ 5.00	$ 1,050.00	$ 5.15	$ 1,081.50	$ 1.19	$ 249.90	$ 1.40	$ 294.00	$ 1.00	$ 210.00	$ 5.00	$ 1,050.00
55	2575.504	SODDING	4440	S Y	$ 10.00	$ 44,400.00	$ 11.00	$ 48,840.00	$ 9.05	$ 40,182.00	$ 11.50	$ 51,060.00	$ 5.00	$ 22,200.00	$ 15.00	$ 66,600.00	$ 9.00	$ 39,960.00
56		TOPSOIL PREPARATION	4440	S Y	$ 2.50	$ 11,100.00	$ 3.00	$ 13,320.00	$ 1.15	$ 5,106.00	$ 2.80	$ 12,432.00	$ 6.25	$ 27,750.00	$ 0.25	$ 1,110.00	$ 4.00	$ 17,760.00
57		TURF MAINTENANCE	30	DAY	$ 750.00	$ 22,500.00	$ 100.00	$ 3,000.00	$ 220.00	$ 6,600.00	$ 496.80	$ 14,904.00	$ 500.00	$ 15,000.00	$ 400.00	$ 12,000.00	$ 300.00	$ 9,000.00
58	2575.504	RAPID STABILIZATION METHOD 2	2140	S Y	$ 1.00	$ 2,140.00	$ 1.00	$ 2,140.00	$ 3.70	$ 7,918.00	$ 0.94	$ 2,011.60	$ 0.73	$ 1,562.20	$ 3.00	$ 6,420.00	$ 4.00	$ 8,560.00
59	2582.601	PAVEMENT MARKING SPECIAL (FREMONT RR)	1	LS	$ 2,000.00	$ 2,000.00	$ 4,360.00	$ 4,360.00	$ 3,900.00	$ 3,900.00	$ 3,860.00	$ 3,860.00	$ 3,860.00	$ 3,860.00	$ 6,900.00	$ 6,900.00	$ 4,000.00	$ 4,000.00
60	2582.601	PAVEMENT MARKING SPECIAL (PARKING LOT)	1	LS	$ 4,000.00	$ 4,000.00	$ 3,150.00	$ 3,150.00	$ 2,675.00	$ 2,675.00	$ 2,650.00	$ 2,650.00	$ 2,650.00	$ 2,650.00	$ 9,200.00	$ 9,200.00	$ 3,000.00	$ 3,000.00
61		TEMPORARY MAIL BOX BANK	1	L S	$ 2,000.00	$ 2,000.00	$ 3,600.00	$ 3,600.00	$ 1,325.00	$ 1,325.00	$ 2,500.00	$ 2,500.00	$ 2,100.00	$ 2,100.00	$ 1,000.00	$ 1,000.00	$ 750.00	$ 750.00
62		SALVAGE AND REINSTALL LANDSCAPE ROCK	1	LS	$ 800.00	$ 800.00	$ 3,000.00	$ 3,000.00	$ 2,745.00	$ 2,745.00	$ 1,000.00	$ 1,000.00	$ 1,800.00	$ 1,800.00	$ 1,000.00	$ 1,000.00	$ 1,750.00	$ 1,750.00
63		GENERAL CONSTRUCTION ALLOWANCE	65000	UNIT	$ 1.00	$ 65,000.00	$ 1.00	$ 65,000.00	$ 1.00	$ 65,000.00	$ 1.00	$ 65,000.00	$ 1.00	$ 65,000.00	$ 1.00	$ 65,000.00	$ 1.00	$ 65,000.00
SECTION B - BASE BID SANITARY SEWER IMPROVEMENTS																		
64	2104.502	REMOVE MANHOLE (SANITARY)	5	EACH	$ 575.00	$ 2,875.00	$ 600.00	$ 3,000.00	$ 545.00	$ 2,725.00	$ 778.50	$ 3,892.50	$ 750.00	$ 3,750.00	$ 1,000.00	$ 5,000.00	$ 1,000.00	$ 5,000.00
65	2104.503	REMOVE SEWER PIPE (SANITARY)	2200	L F	$ 6.00	$ 13,200.00	$ 3.00	$ 6,600.00	$ 5.45	$ 11,990.00	$ 2.18	$ 4,796.00	$ 5.00	$ 11,000.00	$ 7.00	$ 15,400.00	$ 5.00	$ 11,000.00
66	2503.602	CONNECT TO EXISTING SANITARY SEWER	3	EACH	$ 1,500.00	$ 4,500.00	$ 2,000.00	$ 6,000.00	$ 825.00	$ 2,475.00	$ 1,395.67	$ 4,187.01	$ 1,130.78	$ 3,392.34	$ 1,500.00	$ 4,500.00	$ 450.00	$ 1,350.00
67	2503.602	8"X6" PVC WYE	39	EACH	$ 485.00	$ 18,915.00	$ 415.00	$ 16,185.00	$ 365.00	$ 14,235.00	$ 339.64	$ 13,245.96	$ 335.11	$ 13,069.29	$ 200.00	$ 7,800.00	$ 450.00	$ 17,550.00
68	2503.603	8" PVC PIPE SEWER	2212	L F	$ 80.00	$ 176,960.00	$ 60.00	$ 132,720.00	$ 46.95	$ 103,853.40	$ 59.48	$ 131,569.76	$ 62.28	$ 137,763.36	$ 44.00	$ 97,328.00	$ 78.00	$ 172,536.00
69	2503.603	6" PVC SANITARY SERVICE PIPE	1425	L F	$ 55.00	$ 78,375.00	$ 52.00	$ 74,100.00	$ 42.05	$ 59,921.25	$ 43.29	$ 61,688.25	$ 66.96	$ 95,418.00	$ 40.00	$ 57,000.00	$ 55.00	$ 78,375.00
70	2506.502	CASTING ASSEMBLY (SANITARY)	8	EACH	$ 1,300.00	$ 10,400.00	$ 905.00	$ 7,240.00	$ 1,160.00	$ 9,280.00	$ 1,149.00	$ 9,192.00	$ 951.56	$ 7,612.48	$ 1,400.00	$ 11,200.00	$ 1,500.00	$ 12,000.00
71	2506.502	FINAL CASTING ADJUSTMENT (DONUT CUT)	8	EACH	$ 1,700.00	$ 13,600.00	$ 1,000.00	$ 8,000.00	$ 700.00	$ 5,600.00	$ 921.00	$ 7,368.00	$ 1,500.00	$ 12,000.00	$ 1,400.00	$ 11,200.00	$ 650.00	$ 5,200.00
72	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 4007	84.1	L F	$ 750.00	$ 63,075.00	$ 405.00	$ 34,060.50	$ 512.00	$ 43,059.20	$ 540.69	$ 45,472.03	$ 398.29	$ 33,496.19	$ 562.00	$ 47,264.20	$ 500.00	$ 42,050.00
73		IMPROVED PIPE FOUNDATION (SANITARY)	1660	L F	$ 9.00	$ 14,940.00	$ 1.00	$ 1,660.00	$ 1.65	$ 2,739.00	$ 3.08	$ 5,112.80	$ 5.19	$ 8,615.40	$ 9.00	$ 14,940.00	$ 1.00	$ 1,660.00
74		SANITARY SEWER TRACER SYSTEM	1	L S	$ 12,000.00	$ 12,000.00	$ 4,200.00	$ 4,200.00	$ 6,945.00	$ 6,945.00	$ 7,984.00	$ 7,984.00	$ 8,303.10	$ 8,303.10	$ 9,075.00	$ 9,075.00	$ 10,000.00	$ 10,000.00
75		SANITARY CONSTRUCTION ALLOWANCE	15000	L S	$ 1.00	$ 15,000.00	$ 1.00	$ 15,000.00	$ 1.00	$ 15,000.00	$ 1.00	$ 15,000.00	$ 1.00	$ 15,000.00	$ 1.00	$ 15,000.00	$ 1.00	$ 15,000.00

ABSTRACT OF BIDS

2026 STREET AND UTILITY IMPROVEMENTS
CITY OF LEWISTON, MINNESOTA
BMI PROJECT NO. 0H1.129078

BID DATE: 4/2/2026
TIME: 1:00 PM

ITEM NO.	MnDOT SPEC NO	ITEM	APPROX. QUANT.	UNIT	Engineer's Estimate Bolton & Menk, Inc. UNIT PRICE	Engineer's Estimate AMOUNT	A-1 Excavating Inc Bloomer, WI UNIT PRICE	A-1 Excavating AMOUNT	Alcon Excavating Rochester, MN UNIT PRICE	Alcon Excavating AMOUNT	Danckwart Companies Kellogg, MN UNIT PRICE	Danckwart Companies AMOUNT	BKC Construction LLC La Crosse, WI UNIT PRICE	BKC Construction AMOUNT	SL Contracting Inc Rochester, MN UNIT PRICE	SL Contracting AMOUNT	Generation X Construction LLC Rushford, MN UNIT PRICE	Generation X Construction AMOUNT
SECTION C - BASE BID WATER SYSTEM IMPROVEMENTS																		
76	2104.502	REMOVE GATE VALVE AND BOX	11	EACH	$ 275.00	$ 3,025.00	$ 200.00	$ 2,200.00	$ 300.00	$ 3,300.00	$ 310.50	$ 3,415.50	$ 350.00	$ 3,850.00	$ 200.00	$ 2,200.00	$ 350.00	$ 3,850.00
77	2104.502	REMOVE HYDRANT	3	EACH	$ 700.00	$ 2,100.00	$ 300.00	$ 900.00	$ 550.00	$ 1,650.00	$ 621.00	$ 1,863.00	$ 500.00	$ 1,500.00	$ 700.00	$ 2,100.00	$ 950.00	$ 2,850.00
78	2104.503	REMOVE WATER MAIN	2555	L F	$ 6.00	$ 15,330.00	$ 3.00	$ 7,665.00	$ 7.80	$ 19,929.00	$ 2.97	$ 7,588.35	$ 2.00	$ 5,110.00	$ 7.00	$ 17,885.00	$ 5.00	$ 12,775.00
79	2504.601	TEMPORARY WATER SERVICE	1	L S	$ 25,000.00	$ 25,000.00	$ 10,000.00	$ 10,000.00	$ 7,525.00	$ 7,525.00	$ 12,420.00	$ 12,420.00	$ 25,200.00	$ 25,200.00	$ 17,000.00	$ 17,000.00	$ 9,500.00	$ 9,500.00
80	2504.602	CONNECT TO EXISTING WATER MAIN	6	EACH	$ 1,500.00	$ 9,000.00	$ 2,200.00	$ 13,200.00	$ 1,945.00	$ 11,670.00	$ 1,004.33	$ 6,025.98	$ 1,301.21	$ 7,807.26	$ 1,500.00	$ 9,000.00	$ 1,850.00	$ 11,100.00
81	2504.602	HYDRANT (8' BURY)	5	EACH	$ 8,000.00	$ 40,000.00	$ 6,950.00	$ 34,750.00	$ 5,845.00	$ 29,225.00	$ 6,962.00	$ 34,810.00	$ 6,708.96	$ 33,544.80	$ 7,940.00	$ 39,700.00	$ 7,500.00	$ 37,500.00
82	2504.602	ADJUST VALVE BOX	16	EACH	$ 300.00	$ 4,800.00	$ 200.00	$ 3,200.00	$ 280.00	$ 4,480.00	$ 310.50	$ 4,968.00	$ 300.00	$ 4,800.00	$ 245.00	$ 3,920.00	$ 300.00	$ 4,800.00
83	2504.602	1" CORPORATION STOP	36	EACH	$ 550.00	$ 19,800.00	$ 490.00	$ 17,640.00	$ 568.00	$ 20,448.00	$ 535.28	$ 19,270.08	$ 473.61	$ 17,049.96	$ 795.00	$ 28,620.00	$ 550.00	$ 19,800.00
84	2504.602	6" GATE VALVE AND BOX	5	EACH	$ 3,500.00	$ 17,500.00	$ 2,570.00	$ 12,850.00	$ 2,715.00	$ 13,575.00	$ 2,470.50	$ 12,352.50	$ 2,736.97	$ 13,684.85	$ 3,794.00	$ 18,970.00	$ 3,750.00	$ 18,750.00
85	2504.602	8" GATE VALVE AND BOX	11	EACH	$ 4,500.00	$ 49,500.00	$ 3,480.00	$ 38,280.00	$ 3,265.00	$ 35,915.00	$ 3,236.86	$ 35,605.46	$ 3,594.40	$ 39,538.40	$ 4,597.00	$ 50,567.00	$ 4,650.00	$ 51,150.00
86	2504.602	1" CURB STOP AND BOX	36	EACH	$ 600.00	$ 21,600.00	$ 505.00	$ 18,180.00	$ 425.00	$ 15,300.00	$ 393.67	$ 14,172.12	$ 551.66	$ 19,859.76	$ 1,245.00	$ 44,820.00	$ 550.00	$ 19,800.00
87	2504.603	1" TYPE K COPPER PIPE	1355	L F	$ 45.00	$ 60,975.00	$ 61.00	$ 82,655.00	$ 44.50	$ 60,297.50	$ 48.66	$ 65,934.30	$ 62.53	$ 84,728.15	$ 54.00	$ 73,170.00	$ 70.00	$ 94,850.00
88	2504.603	6" PVC WATERMAIN	56	L F	$ 70.00	$ 3,920.00	$ 74.00	$ 4,144.00	$ 125.00	$ 7,000.00	$ 64.91	$ 3,634.96	$ 85.19	$ 4,770.64	$ 42.00	$ 2,352.00	$ 55.00	$ 3,080.00
89	2504.603	8" PVC WATERMAIN	2560	L F	$ 80.00	$ 204,800.00	$ 65.00	$ 166,400.00	$ 52.60	$ 134,656.00	$ 69.55	$ 178,048.00	$ 75.53	$ 193,356.80	$ 49.00	$ 125,440.00	$ 80.00	$ 204,800.00
90	2504.608	WATERMAIN FITTINGS	1220	L B	$ 22.00	$ 26,840.00	$ 17.00	$ 20,740.00	$ 18.65	$ 22,753.00	$ 15.63	$ 19,068.60	$ 14.61	$ 17,824.20	$ 24.00	$ 29,280.00	$ 25.00	$ 30,500.00
91	2504.604	4" INSULATION	50	S Y	$ 60.00	$ 3,000.00	$ 73.00	$ 3,650.00	$ 57.85	$ 2,892.50	$ 45.71	$ 2,285.50	$ 61.00	$ 3,050.00	$ 70.00	$ 3,500.00	$ 45.00	$ 2,250.00
92		IMPROVED PIPE FOUNDATION (WATER)	1960	L F	$ 9.00	$ 17,640.00	$ 1.00	$ 1,960.00	$ 1.65	$ 3,234.00	$ 3.07	$ 6,017.20	$ 5.19	$ 10,172.40	$ 9.00	$ 17,640.00	$ 5.00	$ 9,800.00
93		VALVE BOX TOP SECTION & CAP	4	EACH	$ 350.00	$ 1,400.00	$ 200.00	$ 800.00	$ 450.00	$ 1,800.00	$ 320.25	$ 1,281.00	$ 241.75	$ 967.00	$ 295.00	$ 1,180.00	$ 350.00	$ 1,400.00
94		WATERMAIN TRACER SYSTEM	1	L S	$ 12,000.00	$ 12,000.00	$ 4,000.00	$ 4,000.00	$ 7,630.00	$ 7,630.00	$ 8,484.00	$ 8,484.00	$ 7,902.26	$ 7,902.26	$ 12,000.00	$ 12,000.00	$ 12,500.00	$ 12,500.00
SECTION D - BASE BID STORM SEWER IMPROVEMENTS																		
95	2104.502	REMOVE MANHOLE OR CATCH BASIN	17	EACH	$ 600.00	$ 10,200.00	$ 600.00	$ 10,200.00	$ 525.00	$ 8,925.00	$ 450.21	$ 7,653.57	$ 400.00	$ 6,800.00	$ 500.00	$ 8,500.00	$ 550.00	$ 9,350.00
96	2104.503	REMOVE SEWER PIPE (STORM)	1580	L F	$ 15.00	$ 23,700.00	$ 13.00	$ 20,540.00	$ 13.70	$ 21,646.00	$ 9.53	$ 15,057.40	$ 6.00	$ 9,480.00	$ 7.00	$ 11,060.00	$ 7.00	$ 11,060.00
97	2104.603	ABANDON & FILL PIPE SEWER (STORM)	465	L F	$ 18.00	$ 8,370.00	$ 26.00	$ 12,090.00	$ 24.25	$ 11,276.25	$ 26.07	$ 12,122.55	$ 29.05	$ 13,508.25	$ 27.90	$ 12,973.50	$ 25.00	$ 11,625.00
98	2502.602	ROOF DRAIN DESIGN SPECIAL	3	EACH	$ 1,200.00	$ 3,600.00	$ 1,110.00	$ 3,330.00	$ 915.00	$ 2,745.00	$ 710.50	$ 2,131.50	$ 1,403.77	$ 4,211.31	$ 2,040.00	$ 6,120.00	$ 2,200.00	$ 6,600.00
99	2503.602	CONNECT TO EXISTING STORM SEWER	5	EACH	$ 1,000.00	$ 5,000.00	$ 800.00	$ 4,000.00	$ 785.00	$ 3,925.00	$ 781.00	$ 3,905.00	$ 1,100.00	$ 5,500.00	$ 1,000.00	$ 5,000.00	$ 1,500.00	$ 7,500.00
100	2503.602	CONNECT TO EXISTING MANHOLES (STORM)	1	EACH	$ 1,500.00	$ 1,500.00	$ 1,000.00	$ 1,000.00	$ 1,125.00	$ 1,125.00	$ 821.00	$ 821.00	$ 1,100.00	$ 1,100.00	$ 3,000.00	$ 3,000.00	$ 1,500.00	$ 1,500.00
101	2503.602	12" X 8" WYE	2	EACH	$ 650.00	$ 1,300.00	$ 1,060.00	$ 2,120.00	$ 625.00	$ 1,250.00	$ 710.50	$ 1,421.00	$ 677.32	$ 1,354.64	$ 725.00	$ 1,450.00	$ 1,650.00	$ 3,300.00
102	2503.602	15" X 8" WYE	1	EACH	$ 700.00	$ 700.00	$ 1,300.00	$ 1,300.00	$ 1,780.00	$ 1,780.00	$ 1,170.50	$ 1,170.50	$ 1,074.29	$ 1,074.29	$ 1,040.00	$ 1,040.00	$ 1,650.00	$ 1,650.00
103	2503.503	8" PVC PIPE SEWER	120	L F	$ 50.00	$ 6,000.00	$ 57.00	$ 6,840.00	$ 58.25	$ 6,990.00	$ 58.21	$ 6,985.20	$ 52.93	$ 6,351.60	$ 39.00	$ 4,680.00	$ 50.00	$ 6,000.00
104	2503.503	12" PVC PIPE SEWER	117	L F	$ 65.00	$ 7,605.00	$ 64.00	$ 7,488.00	$ 61.90	$ 7,242.30	$ 62.74	$ 7,340.58	$ 62.04	$ 7,258.68	$ 48.00	$ 5,616.00	$ 75.00	$ 8,775.00
105	2503.603	12" PIPE SEWER	507	L F	$ 65.00	$ 32,955.00	$ 61.00	$ 30,927.00	$ 55.00	$ 27,885.00	$ 59.55	$ 30,191.85	$ 55.85	$ 28,315.95	$ 44.00	$ 22,308.00	$ 75.00	$ 38,025.00
106	2503.503	15" PVC PIPE SEWER	118	L F	$ 70.00	$ 8,260.00	$ 74.00	$ 8,732.00	$ 70.00	$ 8,260.00	$ 71.27	$ 8,409.86	$ 70.91	$ 8,367.38	$ 60.00	$ 7,080.00	$ 95.00	$ 11,210.00
107	2503.603	15" PIPE SEWER	474	L F	$ 70.00	$ 33,180.00	$ 67.00	$ 31,758.00	$ 65.75	$ 31,165.50	$ 64.73	$ 30,682.02	$ 61.08	$ 28,951.92	$ 50.00	$ 23,700.00	$ 75.00	$ 35,550.00
108	2503.603	18" PIPE SEWER	29	L F	$ 75.00	$ 2,175.00	$ 75.00	$ 2,175.00	$ 69.00	$ 2,001.00	$ 71.27	$ 2,066.83	$ 79.76	$ 2,313.04	$ 65.00	$ 1,885.00	$ 90.00	$ 2,610.00
109	2503.603	24" PIPE SEWER	424	L F	$ 90.00	$ 38,160.00	$ 90.00	$ 38,160.00	$ 76.00	$ 32,224.00	$ 82.98	$ 35,183.52	$ 97.29	$ 41,250.96	$ 77.00	$ 32,648.00	$ 110.00	$ 46,640.00
110	2503.503	30" RC PIPE SEWER DESIGN 3006	202	L F	$ 150.00	$ 30,300.00	$ 122.00	$ 24,644.00	$ 116.00	$ 23,432.00	$ 155.05	$ 31,320.10	$ 120.91	$ 24,423.82	$ 119.00	$ 24,038.00	$ 175.00	$ 35,350.00
111	2506.502	CASTING ASSEMBLY (STORM)	27	EACH	$ 1,200.00	$ 32,400.00	$ 1,080.00	$ 29,160.00	$ 1,060.00	$ 28,620.00	$ 995.69	$ 26,883.63	$ 879.81	$ 23,754.87	$ 1,400.00	$ 37,800.00	$ 1,550.00	$ 41,850.00

ABSTRACT OF BIDS

2026 STREET AND UTILITY IMPROVEMENTS
CITY OF LEWISTON, MINNESOTA
BMI PROJECT NO. 0H1.129078

BID DATE: 4/2/2026
TIME: 1:00 PM

ITEM NO.	MnDOT SPEC NO	ITEM	APPROX. QUANT.	UNIT	Engineer's Estimate Bolton & Menk, Inc.		A-1 Excavating Inc Bloomer, WI		Alcon Excavating Rochester, MN		Danckwart Companies Kellogg, MN		BKC Construction LLC La Crosse, WI		SL Contracting Inc Rochester, MN		Generation X Construction LLC Rushford, MN	
					UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
112	2506.502	ADJUST FRAME & RING CASTING	1	EACH	$ 1,700.00	$ 1,700.00	$ 600.00	$ 600.00	$ 750.00	$ 750.00	$ 500.00	$ 500.00	$ 400.00	$ 400.00	$ 1,400.00	$ 1,400.00	$ 1,500.00	$ 1,500.00
113	2506.502	FINAL CASTING ADJUSTMENT (DONUT CUT)	9	EACH	$ 1,700.00	$ 15,300.00	$ 1,000.00	$ 9,000.00	$ 660.00	$ 5,940.00	$ 921.00	$ 8,289.00	$ 1,500.00	$ 13,500.00	$ 1,400.00	$ 12,600.00	$ 750.00	$ 6,750.00
114	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL	52.4	L F	$ 750.00	$ 39,300.00	$ 545.00	$ 28,558.00	$ 570.00	$ 29,868.00	$ 560.84	$ 29,388.02	$ 635.25	$ 33,287.10	$ 499.00	$ 26,147.60	$ 603.00	$ 31,597.20
115	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	13.5	L F	$ 850.00	$ 11,475.00	$ 640.00	$ 8,640.00	$ 685.00	$ 9,247.50	$ 1,263.11	$ 17,051.99	$ 675.07	$ 9,113.45	$ 599.00	$ 8,086.50	$ 830.00	$ 11,205.00
116	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	13.0	L F	$ 1,100.00	$ 14,300.00	$ 760.00	$ 9,880.00	$ 734.00	$ 9,542.00	$ 1,046.92	$ 13,609.96	$ 740.83	$ 9,630.79	$ 777.00	$ 10,101.00	$ 1,250.00	$ 16,250.00
117	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	23.5	L F	$ 1,300.00	$ 30,550.00	$ 1,110.00	$ 26,085.00	$ 890.00	$ 20,915.00	$ 1,489.53	$ 35,003.96	$ 936.55	$ 22,008.93	$ 1,290.00	$ 30,315.00	$ 1,650.00	$ 38,775.00
118	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4022	13.6	L F	$ 850.00	$ 11,560.00	$ 640.00	$ 8,704.00	$ 690.00	$ 9,384.00	$ 915.59	$ 12,452.02	$ 675.43	$ 9,185.85	$ 590.00	$ 8,024.00	$ 1,350.00	$ 18,360.00
119		IMPROVED PIPE FOUNDATION (STORM)	1493	L F	$ 12.00	$ 17,916.00	$ 1.00	$ 1,493.00	$ 1.65	$ 2,463.45	$ 4.06	$ 6,061.58	$ 5.19	$ 7,748.67	$ 9.00	$ 13,437.00	$ 15.00	$ 22,395.00
120		CHIMNEY SEAL (STORM)	17	EACH	$ 400.00	$ 6,800.00	$ 350.00	$ 5,950.00	$ 700.00	$ 11,900.00	$ 447.35	$ 7,604.95	$ 325.00	$ 5,525.00	$ 295.00	$ 5,015.00	$ 1,650.00	$ 28,050.00
				BASE BID TOTAL:		**$ 3,735,856.05**		**$ 3,069,444.00**		**$ 3,240,498.34**		**$ 3,284,129.13**		**$ 3,457,598.96**		**$ 3,474,860.57**		**$ 3,609,621.80**
ALTERNATE 1 - CITY SHOP SANITARY IMPROVEMENTS																		
1001	2104.503	REMOVE SEWER PIPE (SANITARY)	100	L F	$ 6.00	$ 600.00	$ 4.00	$ 400.00	$ 6.00	$ 600.00	$ 3.93	$ 393.00	$ 5.00	$ 500.00	$ 7.00	$ 700.00	$ 5.00	$ 500.00
1002	2118.504	AGGREGATE SURFACING CLASS 2	45	TON	$ 45.00	$ 2,025.00	$ 36.00	$ 1,620.00	$ 45.80	$ 2,061.00	$ 32.94	$ 1,482.30	$ 30.00	$ 1,350.00	$ 30.00	$ 1,350.00	$ 35.00	$ 1,575.00
1003	2451.609	IMPROVED PIPE FOUNDATION (CITY SHOP)	265	L F	$ 9.00	$ 2,385.00	$ 1.00	$ 265.00	$ 4.85	$ 1,285.25	$ 3.20	$ 848.00	$ 5.25	$ 1,391.25	$ 9.00	$ 2,385.00	$ 20.00	$ 5,300.00
1004	2503.604	4" INSULATION (SANITARY)	15	S Y	$ 60.00	$ 900.00	$ 73.00	$ 1,095.00	$ 75.00	$ 1,125.00	$ 51.35	$ 770.25	$ 61.00	$ 915.00	$ 100.00	$ 1,500.00	$ 40.00	$ 600.00
1005	2503.602	CONNECT TO EXISTING MANHOLES (SANITARY)	2	EACH	$ 2,000.00	$ 4,000.00	$ 7,200.00	$ 14,400.00	$ 1,100.00	$ 2,200.00	$ 2,392.00	$ 4,784.00	$ 1,600.00	$ 3,200.00	$ 3,000.00	$ 6,000.00	$ 850.00	$ 1,700.00
1006	2503.602	CITY SHOP SERVICE CONNECTIONS	2	EACH	$ 500.00	$ 1,000.00	$ 3,200.00	$ 6,400.00	$ 900.00	$ 1,800.00	$ 1,081.50	$ 2,163.00	$ 970.31	$ 1,940.62	$ 500.00	$ 1,000.00	$ 750.00	$ 1,500.00
1007	2503.603	12" PVC PIPE SEWER	353	L F	$ 90.00	$ 31,770.00	$ 103.00	$ 36,359.00	$ 66.55	$ 23,492.15	$ 70.34	$ 24,830.02	$ 81.54	$ 28,783.62	$ 54.00	$ 19,062.00	$ 85.00	$ 30,005.00
1008	2503.603	6" PVC SANITARY SERVICE PIPE	100	L F	$ 55.00	$ 5,500.00	$ 80.00	$ 8,000.00	$ 50.00	$ 5,000.00	$ 67.75	$ 6,775.00	$ 70.16	$ 7,016.00	$ 42.00	$ 4,200.00	$ 65.00	$ 6,500.00
1009	2504.602	WATERMAIN OFFSET	2	EACH	$ 6,500.00	$ 13,000.00	$ 460.00	$ 920.00	$ 6,000.00	$ 12,000.00	$ 4,467.00	$ 8,934.00	$ 9,771.48	$ 19,542.96	$ 10,000.00	$ 20,000.00	$ 5,500.00	$ 11,000.00
1010		STORM SEWER CROSSING	1	EACH	$ 2,000.00	$ 2,000.00	$ 3,000.00	$ 3,000.00	$ 2,265.00	$ 2,265.00	$ 2,500.00	$ 2,500.00	$ 1,600.00	$ 1,600.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00
1011		SALVAGE & REINSTALL FENCE	1	EACH	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 2,212.00	$ 2,212.00	$ 1,500.00	$ 1,500.00	$ 2,400.00	$ 2,400.00	$ 1,000.00	$ 1,000.00	$ 1,500.00	$ 1,500.00
1012	2506.502	CASTING ASSEMBLY (SANITARY)	1	EACH	$ 1,300.00	$ 1,300.00	$ 905.00	$ 905.00	$ 962.00	$ 962.00	$ 1,110.50	$ 1,110.50	$ 951.56	$ 951.56	$ 1,500.00	$ 1,500.00	$ 1,550.00	$ 1,550.00
1013	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 4007	10	L F	$ 750.00	$ 7,500.00	$ 460.00	$ 4,600.00	$ 530.00	$ 5,300.00	$ 573.40	$ 5,734.00	$ 416.63	$ 4,166.30	$ 570.00	$ 5,700.00	$ 1,500.00	$ 15,000.00
1014		SANITARY CHIMNEY SEAL	1	EACH	$ 500.00	$ 500.00	$ 350.00	$ 350.00	$ 700.00	$ 700.00	$ 810.50	$ 810.50	$ 251.44	$ 251.44	$ 1,400.00	$ 1,400.00	$ 1,650.00	$ 1,650.00
1015		SEDIMENT CONTROL LOG TYPE WOOD FIBER	120	L F	$ 6.00	$ 720.00	$ 6.00	$ 720.00	$ 5.60	$ 672.00	$ 4.67	$ 560.40	$ 3.60	$ 432.00	$ 10.00	$ 1,200.00	$ 8.00	$ 960.00
1016	2573.503	SILT FENCE; TYPE MS	1020	L F	$ 3.00	$ 3,060.00	$ 1.00	$ 1,020.00	$ 3.00	$ 3,060.00	$ 3.84	$ 3,916.80	$ 4.00	$ 4,080.00	$ 4.00	$ 4,080.00	$ 3.00	$ 3,060.00
1017	2575.504	CITY SHOP TURF ESTABLISHMENT & MAINTENANCE	1	L S	$ 8,000.00	$ 8,000.00	$ 2,000.00	$ 2,000.00	$ 4,425.00	$ 4,425.00	$ 11,936.00	$ 11,936.00	$ 3,500.00	$ 3,500.00	$ 5,000.00	$ 5,000.00	$ 3,500.00	$ 3,500.00
1018		SANITARY SEWER TRACER SYSTEM (CITY SHOP)	2	L S	$ 1,500.00	$ 3,000.00	$ 400.00	$ 800.00	$ 1,500.00	$ 3,000.00	$ 500.00	$ 1,000.00	$ 308.93	$ 617.86	$ 500.00	$ 1,000.00	$ 550.00	$ 1,100.00
		TOTAL ALTERNATE 1 - CITY SHOP SANITARY IMPROVEMENTS				**$ 88,760.00**		**$ 84,354.00**		**$ 72,159.40**		**$ 80,047.77**		**$ 82,638.61**		**$ 79,577.00**		**$ 89,500.00**
		TOTAL BASE BID AMOUNT				$ 3,735,856.05		$ 3,069,444.00		$ 3,240,498.34		$ 3,284,129.13		$ 3,457,598.96		$ 3,474,860.57		$ 3,609,621.80
		TOTAL ALTERNATE 1 AMOUNT				$ 88,760.00		$ 84,354.00		$ 72,159.40		$ 80,047.77		$ 82,638.61		$ 79,577.00		$ 89,500.00
		TOTAL BASE AND ALTERNATE AMOUNT				**$ 3,824,616.05**		**$ 3,153,798.00**		**$ 3,312,657.74**		**$ 3,364,176.90**		**$ 3,540,237.57**		**$ 3,554,437.57**		**$ 3,699,121.80**
					BID AMOUNT			**$ 3,153,798.00**		**$ 3,312,657.74**		**$ 3,364,176.90**		**$ 3,540,237.57**		**$ 3,554,437.57**		**$ 3,699,121.80**
					DIFFERENCE FROM LOW BIDDER					**$ 158,859.74**		**$ 210,378.90**		**$ 386,439.57**		**$ 400,639.57**		**$ 545,323.80**

POST-BID COST & FUNDING SUMMARY (BASED ON LOW BID)

CITY OF LEWISTON

2026 STREET & UTILITY IMPROVEMENTS

BMI PROJECT NO. 0H1.129078

Last updated: 4/3/2026

		N Freemont, Harrison & Linden	City Shop Sanitary Sewer	Alley A - D	City Hall Parking Lot	Totals
Costs						
	Construction	$ 1,586,807.90	$ -	$ 222,473.30	$ 174,809.30	$ 1,984,090.50
	Contingency	$ 79,300.00	$ -	$ 11,100.00	$ 8,700.00	$ 99,100.00
	Soft Costs	$ 494,300.00	$ -	$ 69,300.00	$ 54,500.00	$ 618,100.00
Street	**Total**	**$ 2,160,407.90**	**$ -**	**$ 302,873.30**	**$ 238,009.30**	**$ 2,701,290.50**
	Construction	$ 308,765.50	$ 84,354.00	$ -	$ -	$ 393,119.50
	Contingency	$ 15,400.00	$ 4,200.00	$ -	$ -	$ 19,600.00
Sanitary Sewer	Soft Costs	$ 96,200.00	$ 26,300.00	$ -	$ -	$ 122,500.00
	Total	**$ 420,365.50**	**$ 114,854.00**	**$ -**	**$ -**	**$ 535,219.50**
	Construction	$ 443,214.00	$ -	$ -	$ -	$ 443,214.00
	Contingency	$ 22,200.00	$ -	$ -	$ -	$ 22,200.00
	Soft Costs	$ 138,100.00	$ -	$ -	$ -	$ 138,100.00
Water	**Total**	**$ 603,514.00**	**$ -**	**$ -**	**$ -**	**$ 603,514.00**
	Construction	$ 272,779.50	$ -	$ 5,735.00	$ 54,859.50	$ 333,374.00
	Contingency	$ 13,600.00	$ -	$ 300.00	$ 2,700.00	$ 16,600.00
Storm Sewer	Soft Costs	$ 85,000.00	$ -	$ 1,800.00	$ 17,100.00	$ 103,900.00
	Total	**$ 371,379.50**	**$ -**	**$ 7,835.00**	**$ 74,659.50**	**$ 453,874.00**
	Construction	$ 2,611,566.90	$ 84,354.00	$ 228,208.30	$ 229,668.80	$ 3,153,798.00
	Contingency	$ 130,500.00	$ 4,200.00	$ 11,400.00	$ 11,400.00	$ 157,500.00
Total	Soft Costs	$ 813,600.00	$ 26,300.00	$ 71,100.00	$ 71,600.00	$ 982,600.00
Costs		**$ 3,555,666.90**	**$ 114,854.00**	**$ 310,708.30**	**$ 312,668.80**	**$ 4,293,898.00**
		$ 3,670,520.90		$ 623,377.10		$ 4,293,898.00
Funding						
	Total Eligible (Grant + Loan)	*$ 1,193,844.00*	*$ 114,854.00*			*$ 1,308,698.00*
PFA	PFA - CWRF Loan	$ 238,768.80	$ 22,970.80	*WIF assumed at 80% of eligible		$ 261,739.60
Eligible	PFA - WIF Grant	$ 955,075.20	$ 91,883.20	costs		$ 1,046,958.40
Local GO Bond (Total)		$ 2,361,822.90	$ -	$ 310,708.30	$ 312,668.80	$ 2,985,200.00
	Street Portion					
	Construction	$ 1,018,692.14	$ -	$ 222,473.30	$ 174,809.30	$ 1,415,974.74
	Contingency	$ 50,908.67	$ -	$ 11,100.00	$ 8,700.00	$ 70,708.67
	Engineering	$ 317,328.60	$ -	$ 69,300.00	$ 54,500.00	$ 441,128.60
	Street Total	*$ 1,386,929.41*	*$ -*	*$ 302,873.30*	*$ 238,009.30*	**$ 1,927,812.01**
	Water Portion					
	Construction	$ 443,214.00	$ -	$ -	$ -	$ 443,214.00
	Contingency	$ 22,200.00	$ -	$ -	$ -	$ 22,200.00
	Engineering	$ 138,100.00	$ -	$ -	$ -	$ 138,100.00
	Water Total	*$ 603,514.00*	*$ -*	*$ -*	*$ -*	**$ 603,514.00**
	Storm Sewer Portion					
	Construction	$ 272,779.50	$ -	$ 5,735.00	$ 54,859.50	$ 333,374.00
	Contingency	$ 13,600.00	$ -	$ 300.00	$ 2,700.00	$ 16,600.00
	Engineering	$ 85,000.00	$ -	$ 1,800.00	$ 17,100.00	$ 103,900.00
	Storm Sewer Total	*$ 371,379.50*	*$ -*	*$ 7,835.00*	*$ 74,659.50*	**$ 453,874.00**
	Total Local GO Bond Breakdown					
	Construction	$ 1,734,685.64	$ -	$ 228,208.30	$ 229,668.80	$ 2,192,562.74
	Contingency	$ 86,708.67	$ -	$ 11,400.00	$ 11,400.00	$ 109,508.67
	Engineering	$ 540,428.60	$ -	$ 71,100.00	$ 71,600.00	$ 683,128.60
	Local GO Bond Total	*$ 2,361,822.91*	*$ -*	*$ 310,708.30*	*$ 312,668.80*	**$ 2,985,200.01**
Total Funding		**$ 3,555,666.90**	**$ 114,854.00**	**$ 310,708.30**	**$ 312,668.80**	**$ 4,293,898.00**
Assessment						
Total						**$ 461,866.73**

CITY OF LEWISTON IMPACT ANALYSIS OF PUBLIC SAFETY BUILDING & 2026 PROJECT

Taxes Payable Year	Operations	CIP Fund	Existing Debt	2025 WWTP Debt	2025 Safety Bldg Debt	2026 Project Debt	TOTAL LEVY		NET TAX CAPACITY	CITY TAX RATE
2025	$ 650,955	$ 325,000	$ 479,106	$ -	$ -	$ -	$ 1,455,061		$ 1,259,389	115.54%
2026	$ 742,263	$ 47,000	$ 474,581	$ 116,000	$ 183,385	$ -	$ 1,563,229	7.43%	$ 1,268,619	123.22%
2027	$ 786,799	$ -	$ 475,106	$ 116,000	$ 176,501	$ 147,282	$ 1,701,688	8.86%	$ 1,306,678	130.23%
2028	$ 834,007	$ 59,400	$ 420,560	$ 116,000	$ 176,425	$ 147,282	$ 1,753,674	3.05%	$ 1,345,878	130.30%

MAYOR'S 25.090.0290

Taxes Payable Year	TOTAL MARKET VALUE	Exclusion	TAXABLE VALUE	Est. CITY TAXES	diff	
2025	$ 134,100	$ (34,500)	$ 99,600	$ 1,151	*actual (matches statement)*	
2026	$ 140,600	$ (33,896)	$ 106,704	$ 1,311	$ 160	compared to 2025
2027	$ 146,224	$ (33,390)	$ 112,834	$ 1,469	$ 158	compared to 2026
2028	$ 152,073	$ (32,863)	$ 119,210	$ 1,553	$ 84	compared to 2027

TYPICAL

Taxes Payable Year	TOTAL MARKET VALUE	Exclusion	TAXABLE VALUE	Est. CITY TAXES	diff	
2025	$ 300,000	$ (19,550)	$ 280,450	$ 3,240		
2026	$ 312,000	$ (18,470)	$ 293,530	$ 3,617	$ 377	compared to 2025
2027	$ 324,480	$ (17,347)	$ 307,133	$ 4,000	$ 383	compared to 2026
2028	$ 337,459	$ (16,179)	$ 321,281	$ 4,186	$ 186	compared to 2027

ASSUMPTIONS:

1. Operational levy to increase 6% per year in 2027 and 2028.
2. Public Safety Bldg Debt includes statutorily required 5% coverage.
3. Net Tax Capacity of the City will increase 3% per year in 2027 and 2028.
4. Home values will increase 4% per year.
5. Mayor's home value for Pay 26 based on County Website

A-1 EXCAVATING INC.

P.O. Box 90
715-568-4141

Bloomer, WI 54724
Fax: 715-568-4144

TRANSMITTAL LETTER

TO: City of Lewiston
ATTN: Ragini Varma, City Administrator
75 Rice Street – PO Box 129
Lewiston, MN 55952

DATE: 6-Apr-26

PROJECT: LEWISTON – '26 Street & Utility Improvements

SUBJECT: City Requested Letter

We appreciate the opportunity to support the City of Lewiston on their '26 Street & Utility Improvements project. We understand that successful project delivery requires not only technical expertise, but also disciplined execution, transparency and accountability.

You have requested that we provide you with a letter outlining the number of lawsuits that we have been involved in since 2017, along with reasoning and corresponding settlements. I have personally been employed by A-1 Excavating since 2002 and to the best of my recollection, we have not been involved in any lawsuits within the timeframe requested(2017-present).

Included with this submittal is our prequalification packet, MN Certificate of Authority to conduct business and our Equal Pay Certificate of Compliance with the MN Department of Human Rights. These inclusions, along with our low bid submittal package, which included our signed Responsible Contractor Verification, should hopefully suffice in the City's decision to determine A-1 Excavating the lowest responsive bidder, via the contractual bidding documents.

We welcome the opportunity to discuss our project approach in more detail and answer any questions you may have. We are looking forward to once again partnering with the City of Lewiston and Bolton-Menk on delivering a high-quality outcome that aligns with your schedule and budget requirements.

Sincerely,

Charles M. Storing
General Manager/Secretary
A-1 Excavating, LLC

DEPARTMENT OF HUMAN RIGHTS

December 9, 2024

SENT ELECTRONICALLY BY EMAIL

A-1 EXCAVATING LLC
PO Box 90
Bloomer WI 54724
ATTN: Michelle Frohn Human Resources
mfrohn@a1excavating.com

Re: Equal Pay Certificate of Compliance Approval

Congratulations! The Minnesota Department of Human Rights (MDHR) has reviewed and approved your business's application for an Equal Pay Certificate of Compliance. This certificate allows you to execute contracts of $500,000 or more for state and metropolitan agencies.

The Office of Equity and Inclusion for Minnesota Businesses is excited to partner with your organization in creating and implementing policies that foster equity, diversity, and inclusion. The Office of Equity and Inclusion will support your equal pay commitments by providing trainings, toolkits, and technical guidance to ensure that your workforce reflects the communities it is a part of and to prevent workplace discrimination.

The Office of Equity and Inclusion for Minnesota Businesses is tasked with oversight of your good faith efforts to comply with equal pay laws and may periodically request information from you.

Through our partnership, MDHR is committed in its goal of creating a world where everyone can lead full lives, rich with dignity and joy.

If you have any questions, contact the Office of Equity and Inclusion at compliance.mdhr@state.mn.us or 651-539-1095.

Sincerely,



Rebecca Lucero, Commissioner
Minnesota Department of Human Rights

DEPARTMENT OF HUMAN RIGHTS

EQUAL PAY
CERTIFICATE OF COMPLIANCE

The Commissioner of the Minnesota Department of Human Rights by the signature below attests that **A-1 EXCAVATING LLC** is hereby certified as a contractor under the Minnesota Human Rights Act, § 363A.44.

Certificate start date: **December 9, 2024**

Certificate expiration date: **December 8, 2028**

Minnesota Department of Human Rights

FOR THE DEPARTMENT BY:



Rebecca Lucero, Commissioner

Office of the Minnesota Secretary of State
Certificate of Authority

I, Steve Simon, Secretary of State of Minnesota, do certify that: The following business entity has duly complied with the relevant provisions of Minnesota Statutes listed below, and is formed or authorized to do business in Minnesota on and after this date with all the powers, rights and privileges, and subject to the limitations, duties and restrictions, set forth in that chapter.

The business entity is now legally registered under the laws of Minnesota.

Name in Minnesota:	A-1 EXCAVATING, LLC
Name in Home Jurisdiction:	A-1 EXCAVATING, LLC
File Number:	1386642400027
Minnesota Statutes, Chapter:	322C
Home Jurisdiction:	Wisconsin
This certificate has been issued on:	04/13/2023



Steve Simon
Secretary of State
State of Minnesota

Office of the Minnesota Secretary of State

Foreign Limited Liability Company / Certificate of Authority to Transact Business in Minnesota

Minnesota Statutes, Chapter 322C

This Certificate of Authority has been approved pursuant to *Minnesota Statutes*, Chapter 322C. By filing this Certificate of Authority, the company certifies that it has complied with the organization laws in the jurisdiction of its organization.

LIMITED LIABILITY COMPANY NAME in HOME JURISDICTION:

A-1 EXCAVATING, LLC

LIMITED LIABILITY COMPANY NAME in MINNESOTA:

A-1 EXCAVATING, LLC

HOME JURISDICTION:

Wisconsin

REGISTERED OFFICE AND AGENT:

Name	Address:
Corporation Service Company	**2345 Rice Street Suite 230 Roseville MN 55113 USA**

PRINCIPAL PLACE of BUSINESS ADDRESS:

800 S Douglas Rd, Suite 1200 Coral Gables FL 33134 USA

HOME OFFICE ADDRESS:

None Provided

If you submit an attachment, it will be incorporated into this document. If the attachment conflicts with the information specifically set forth in this document, this document supersedes the data referenced in the attachment.

By typing my name, I, the undersigned, certify that I am signing this document as the person whose signature is required, or as agent of the person(s) whose signature would be required who has authorized me to sign this document on his/her behalf, or in both capacities. I further certify that I have completed all required fields, and that the information in this document is true and correct and in compliance with the applicable chapter of Minnesota Statutes. I understand that by signing this document I am subject to the penalties of perjury as set forth in Section 609.48 as if I had signed this document under oath.

SIGNED BY: **Erin Shaughnessy**

EMAIL FOR OFFICIAL NOTICES: **Erin.Shaughnessy@mastec.com**

United States of America

State of Wisconsin

DEPARTMENT OF FINANCIAL INSTITUTIONS

Division of Corporate & Consumer Services

To All to Whom These Presents Shall Come, Greeting:

I, Craig Heilman, Administrator of the Division of Corporate and Consumer Services, Department of Financial Institutions, do hereby certify that

A-1 EXCAVATING, LLC

is a domestic corporation or a domestic limited liability company organized under the laws of this state and that its date of incorporation or organization is April 23, 1973.

I further certify that said corporation or limited liability company has, within its most recently completed report year, filed an annual report required under ss. 180.1622, 180.1921, 181.0214 or 183.0212 Wis. Stats., but that it has not filed a statement or articles of dissolution.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department on April 10, 2023.

CRAIG HEILMAN, Administrator
Division of Corporate and Consumer Services
Department of Financial Institutions

DFI/Corp/33

To validate the authenticity of this certificate

Visit this web address: http://www.wdfi.org/apps/ccs/verify/

Enter this code: **358627-23EFFA5A**

Work Item 1386642400027
Original File Number 1386642400027

STATE OF MINNESOTA
OFFICE OF THE SECRETARY OF STATE
FILED
04/13/2023 11:59 PM



Steve Simon
Secretary of State

RESPONSIBLE CONTRACTOR VERIFICATION AND CERTIFICATION OF COMPLIANCE

PRIME CONTRACTOR BID FORM ATTACHMENT

PROJECT NUMBER: 0H1.129078

This form includes changes by statutory references from the Laws of Minnesota 2015, chapter 64, sections 1-9. This form must be submitted with the bid form submitted for this project. A bid form received without this form, may be rejected.

Minn. Stat. § 16C.285, Subd. 7. **IMPLEMENTATION**. ... any prime contractor or subcontractor or motor carrier that does not meet the minimum criteria in subdivision 3 or fails to verify that it meets those criteria is not a responsible contractor and is not eligible to be awarded a construction contract for the project or to perform work on the project...	
Minn. Stat. § 16C.285, Subd. 3. **RESPONSIBLE CONTRACTOR, MINIMUM CRITERIA**. "Responsible contractor" means a contractor that conforms to the responsibility requirements in the solicitation document for its portion of the work on the project and verifies that it meets the following minimum criteria:	
(1)	The Contractor: (i) is in compliance with workers' compensation and unemployment insurance requirements; (ii) is in compliance with Department of Revenue and Department of Employment and Economic Development registration requirements if it has employees; (iii) has a valid federal tax identification number or a valid Social Security number if an individual; and (iv) has filed a certificate of authority to transact business in Minnesota with the Secretary of State if a foreign corporation or cooperative.
(2)	The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 177.24, 177.25, 177.41 to 177.44, 181.03, 181.101, 181.13, 181.14, or 181.722, and has not violated United States Code, title 29, sections 201 to 219, or United States Code, title 40, sections 3141 to 3148. For purposes of this clause, a violation occurs when a contractor or related entity: (i) repeatedly fails to pay statutorily required wages or penalties on one or more separate projects for a total underpayment of $25,000 or more within the three-year period, provided that a failure to pay is "repeated" only if it involves two or more separate and distinct occurrences of underpayment during the three-year period; (ii) has been issued an order to comply by the commissioner of Labor and Industry that has become final; (iii) has been issued at least two determination letters within the three-year period by the Department of Transportation finding an underpayment by the contractor or related entity to its own employees; (iv) has been found by the commissioner of Labor and Industry to have repeatedly or willfully violated any of the sections referenced in this clause pursuant to section 177.27; (v) has been issued a ruling or findings of underpayment by the administrator of the Wage and Hour Division of the United States Department of Labor that have become final or have been upheld by an administrative law judge or the Administrative Review Board; or (vi) has been found liable for underpayment of wages or penalties or misrepresenting a construction worker as an independent contractor in an action brought in a court having jurisdiction. Provided that, if the contractor or related entity contests a determination of underpayment by the Department of Transportation in a contested case proceeding, a violation does not occur until the contested case proceeding has concluded with a determination that the contractor or related entity underpaid wages or penalties;*

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(3)	The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 181.723 or chapter 326B. For purposes of this clause, a violation occurs when a contractor or related entity has been issued a final administrative or licensing order;*
(4)	The contractor or related entity has not, more than twice during the three-year period before submitting the verification, had a certificate of compliance under section 363A.36 revoked or suspended based on the provisions of section 363A.36, with the revocation or suspension becoming final because it was upheld by the Office of Administrative Hearings or was not appealed to the office;*
(5)	The contractor or related entity has not received a final determination assessing a monetary sanction from the Department of Administration or Transportation for failure to meet targeted group business, disadvantaged business enterprise, or veteran-owned business goals, due to a lack of good faith effort, more than once during the three-year period before submitting the verification;*
	*Any violations, suspensions, revocations, or sanctions, as defined in clauses (2) to (5), occurring prior to July 1, 2014, shall not be considered in determining whether a contractor or related entity meets the minimum criteria.
(6)	The contractor or related entity is not currently suspended or debarred by the federal government or the state of Minnesota or any of its departments, commissions, agencies, or political subdivisions that have authority to debar a contractor; and
(7)	All subcontractors and motor carriers that the contractor intends to use to perform project work have verified to the contractor through a signed statement under oath by an owner or officer that they meet the minimum criteria listed in clauses (1) to (6).

Minn. Stat. § 16C.285, Subd. 5. **SUBCONTRACTOR VERIFICATION.**

A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project. Prior to execution of a construction contract, and as a condition precedent to the execution of a construction contract, the apparent successful prime contractor shall submit to the contracting authority a supplemental verification under oath confirming compliance with subdivision 3, clause (7). Each contractor or subcontractor shall obtain from all subcontractors with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each subcontractor.

If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors.

A prime contractor shall submit to the contracting authority upon request copies of the signed verifications of compliance from all subcontractors of any tier pursuant to subdivision 3, clause (7). A prime contractor and subcontractors shall not be responsible for the false statements of any subcontractor with which they do not have a direct contractual relationship. A prime contractor and subcontractors shall be responsible for false statements by their first-tier subcontractors with which they have a direct contractual relationship only if they accept the verification of compliance with actual knowledge that it contains a false statement.

Subd. 5a. Motor carrier verification. A prime contractor or subcontractor shall obtain annually from all motor carriers with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each motor carrier. A prime contractor or subcontractor shall require each such motor carrier to provide it with immediate written notification in the event that the motor carrier no longer meets one or more of the minimum criteria in subdivision 3 after submitting its annual verification. A motor carrier shall be ineligible to perform work on a project covered by this section if it does not meet all the minimum criteria in subdivision 3. Upon request, a prime contractor or subcontractor shall submit to the contracting authority the signed verifications of compliance from all motor carriers providing for-hire transportation of materials, equipment, or supplies for a project.

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Minn. Stat. § 16C.285, Subd. 4. **VERIFICATION OF COMPLIANCE.**
A contractor responding to a solicitation document of a contracting authority shall submit to the contracting authority a signed statement under oath by an owner or officer verifying compliance with each of the minimum criteria in subdivision 3, with the exception of clause (7), at the time that it responds to the solicitation document. A contracting authority may accept a signed statement under oath as sufficient to demonstrate that a contractor is a responsible contractor and shall not be held liable for awarding a contract in reasonable reliance on that statement. A prime contractor, subcontractor, or motor carrier that fails to verify compliance with any one of the required minimum criteria or makes a false statement under oath in a verification of compliance shall be ineligible to be awarded a construction contract on the project for which the verification was submitted. A false statement under oath verifying compliance with any of the minimum criteria may result in termination of a construction contract that has already been awarded to a prime contractor or subcontractor or motor carrier that submits a false statement. A contracting authority shall not be liable for declining to award a contract or terminating a contract based on a reasonable determination that the contractor failed to verify compliance with the minimum criteria or falsely stated that it meets the minimum criteria. A verification of compliance need not be notarized. An electronic verification of compliance made and submitted as part of an electronic bid shall be an acceptable verification of compliance under this section provided that it contains an electronic signature as defined in section 325L.02, paragraph (h).

CERTIFICATION	
By signing this document I certify that I am an owner or officer of the company, and I certify under oath that: **1) My company meets each of the Minimum Criteria to be a responsible contractor as defined herein and is in compliance with Minn. Stat. § 16C.285, and** **2) if my company is awarded a contract, I will submit Attachment A-1 prior to contract execution, and** **3) if my company is awarded a contract, I will also submit Attachment A-2 as required.**	
Authorized Signature of Owner or Officer:	**Printed Name:** Charles M Storing
Title: Secretary	**Date:** 4/2/26
Company Name: A-1 Excavating LLC	

NOTE: Minn. Stat. § 16C.285, Subd. 2, (c) If only one prime contractor responds to a solicitation document, a contracting authority may award a construction contract to the responding prime contractor even if the minimum criteria in subdivision 3 are not met.

******END OF SECTION******

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After over fifty years of growth, A-1 Excavating LLC and A-1 Express Trucking LLC, have grown in size and capabilities. A-1 Power LLC was formed in 2020 to meet the demand for directional drilling and trenching for electrical and telecommunication cables. To date, approximately 235 employees bring their wide range of knowledge and experience to A-1's companies. A-1 Excavating LLC, A-1 Express Trucking LLC and A-1 Power LLC are Wholly Owned Companies of MasTec, Inc.

A-1 Excavating LLC, includes the following capabilities:

Site Work
Underground Utilities
- **Mining Operations**

Mine Reclamation
- **Road Construction**

GPS Modeling
- **Concrete and Asphalt Crushing**

Pulverizing
Demolition
- **Emergency Utility Repair Crews**

Mechanical Dredging
Horizontal Directional Drilling
- **Restoration/Hydro Seeding**
- **Mobile Mechanics**

De-watering Operations
- **Clearing and Grubbing**

A-1 Express Trucking LLC, also provides the following custom hauling:

- **Dump Trucks-** 24 quad axle dump trucks to haul whatever material you need hauled
- **Lowboy-** extensive fleet of Lowboy tractors and trailers

3 axle
3 + 1 axle
Sliding Axle
flatbed and step decks
Escort vehicle available if needed

4 axle
3 + 2 axle
configuration up to 14 axles
tandem straight truck with tag trailer

- **Vac Truck-** The Vac Truck specializes in a wide variety of services. From daylighting utilities, trench excavating, nonhazardous waste cleanup and industrial vacuuming to pressure washing and storm water pumping

A-1 Power LLC specializes in:

Directional Drilling
Plowing and Trenching

The combination of the three sister companies ensures A-1 can rapidly mobilize and preform a wide range of services efficiently. As each decade has seen huge growth within A-1, it has allowed A-I to reinvest by building a new state-of-the-art facility in 2019. This new facility is home to the extensive inventory of A-1's fleet of trucks and equipment.

Because of the specialized skill sets that A-1 offers, A-1 is frequently called upon by their peers to partner together on complicated site jobs, deep utilities, custom hauling and telecommunication/electrical installation. Our partnerships across the US have ensured A-1's success and can provide specialty work in a safe and efficient manner.

Due to the projects that have been entrusted to A-1 throughout these generations, it has given A-1 the ability to provide bonding exceeding $500,000,000.

Contact information:

A-1 Excavating LLC
8237 State Hwy 64
PO Box 90
Bloomer, WI 54724
715-568-4141
estimating@a1excavating.com

A-1 Express Trucking LLC
8229 State Hwy 64
PO Box 90
Bloomer, WI 54724
715-568-4141 #216
mhassemer@a1excavating.com

A-1 Power LLC
8237 State Hwy 64
PO Box 90
Bloomer, WI 54724
715-568-4141 #228
pjenneman@a1excavating.com

Company Structure:

Terry Pecha
Former President 43 Years' Experience

Paul Mumm
President pmumm@stoutconstructioninc.com

Lori Kleinschmidt
Payroll Supervisor 12 Years' Experience
Ext: #215 lkleinschmidt@a1excavating.com

Charlie Storing
General Manager 29 Years' Experience
Ext: #226 cstoring@a1excavating.com

Liz Scheffler
Payroll Specialist 7 Years' Experience
Ext. #211 escheftler@a1excavating.com

Brad Nielsen
Sr. Project Manager/Estimator 19 Years' Experience
Ext: #219 bnielsen@a1excavating.com

Mike Hassemer
Director of Transportation 29 Years' Experience
Ext: #216 mhassemer@a1excavating.com

Shane Brady
Project Manager/Estimator 7 Years' Experience
Ext: #217 smbrady@a1excavating.com

Brian Sedlacek
Dump Truck Dispatcher
Ext: #216 bsedlacek@a1excavating.com

Jake Wald
Project Manager
Ext #222 jwald@a1excavating.com

Nate Bleskacek
Shop Manager 23 Years' Experience
Ext: #223 nbleskacek@a1excavating.com

Brendan Dobbs
Assistant Project Manager
Ext #213 brdobbs@a1excavating.com

Doug Johnson
Pulverizing /Crushing Supervisor
Ext: #214 djohnson@a1excavating.com

Brian Russell
Project Controls Manager 16 Years' Experience
Ext: #229 brussell@a1excavating.com

Kevin Franzen
Safety Director
Cell: 715-919-0796 kfranzen@a1excavating.com

Lexi Harms
Controller 17 Years' Experience
Ext: #235 lharms@precisionpipelinellc.com

Joe Swan
Field Super/Safety Specialist 17 Years' Experience
Cell: 715-520-2391 jswan@a1excavating.com

Michelle Frohn
HR Generalist 10 Years' Experience
Ext: #222 mfrohn@a1excavating.com

Preston Jenneman
A-1 Power Operations Manager
Ext: #237 pjenneman@a1excavating.com

Jenn Bergeman
Contract Specialist 14 Years' Experience
Ext: #220 jbergeman@a1excavating.com

Grace Pecha
A-1 Power Asst Project Manager
Ext: #218 gpecha@a1excavating.com

Wendy Mooney
A/P&A/R 14 Years' Experience
Ext: #210 ap@a1excavating.com

Matt Olson
Field Superintendent 22 Years' Experience
Cell: 715-4 I 8-3315

Ben Amodt
Field Superintendent
Cell: 715-559-8679

PROJECT REFERENCES:

Citv of Arcadia	Gary Skroch, DPW	608-863-0727
Citv of Antigo	Charley Brinkmeier, DPW	715-216-3234
Citv of Portage	Aaron Jahncke, Public Works Director	608-742-2176
City of Baraboo	Tom Pinion, Citv Eng.	608-393-9945
Citv of Mauston	Rob Nelson, DPW	608-547-6676
Citv of Rhinelander	Mark Barden, Eng.	715-420-0579
City of Rice Lake	Bryan Cunningham, SEH	800-472-5881
Citv of Rochester	Brett Jenkinson, Project Mgr.	507-328-2466
Richland Center	Andy Zimmer, MSA Eng.	608-963-7404
Village of DeForest	Mark Mathews, Eng.	608-768-5920
Altoona Development	Sean Bohan, Eng.	715-552-0330
City of Bloomer	Tyler Hastings, Eng	715-505-8633
Citv of Reedsburg	Matt Muchow, Eng	608-434-1053
City of Stevens Point	Joe Skibinski, Project Mgr.	715-346-1561

ENGINEER REFERENCES:

MSA Professional Services	John Langhans	800-362-4505
SEH Inc.	Jeff Nussbaum	715-720-6200
Ayres Associates		800-666-3103
WSB	Dustin Tipp	612-240-3225
Vierbicher & Assoc.	Craig Mathews	608-524-6468
Cedar Corporation	Kevin Oium	800-472-7372
Focus Engineering	Chad Isakson	651-300-4283

REFERENCES:

BMO Harris Bank - Menomonie, WI		715-235-5521
Core & Main - Eden Prairie, MN		952-937-9666
County Materials - Marathon, WI		715-848-1365
Fabick Cat - Eau Claire, WI	Chris Kline	715-874-5100
McCoy Construction - Hallie, WI		715-834-2924
Miller-Bradford & Risberg-Eau Claire, WI		715-832-3443
Market & Johnson - Eau Claire, WI		715-834-1213
Security Financial Bank - Bloomer, WI	Scott Erickson	715-568-1100
WI Kenworth - Menomonie, WI		715-235-5000
Peterbilt - Eau Claire, WI		715-874-4747
Monarch - Amery, WI		715-268-2687
Ferguson Waterworks		888-873-5685
American Ductile Iron Pipe Co	Steve Peace	205-325-7771

2023 - 2025 CONTRACTS

2023

MONDOVI-NORTH EAU CLAIRE ST	$	3,636,360
DUNN CTY-USH 12 BOX	$	1,294,295
WINONA, S. BAKER STREET	$	2,429,908
STEWARTVILLE, 2023 CAPITAL IMPROVEMENTS NORTH	$	3,140,216
HOLMEN, RESERVOIR #5 (PRELOAD)	$	397,394
ST. CROIX FALLS, NORTH HAMILTON ST. PHASE 2	$	2,351,471
MAUSTON - '23 NORTHEAST RECONSTRUCT	$	3,187,130
CHELSEA (Town of) - HILLCREST RD TRI-D/S	$	414,707
REEDSBURG - Laurel & 6th St. Reconstruct	$	502,304
COLBURN (Town of) - 130th Ave. Reconditioning	$	610,890
HOLMEN, '23 Street Reconstruct (Mathy)	$	44,065
COLFAX - High School Sanitary Repair	$	50,000
SAUK COUNTY DOT #6, REEDSBURG 23/136 R-A-B	$	2,478,623
ST. CROIX COUNTY DOT #49, SOMERSET STH 35	$	7,991,654
POLK/ST. CROIX COUNTY DOT #51, STH 65 CULVERTS	$	1,052,170
BLOOMER, '23 RECONSTRUCT PHASE 2	$	16,495,735
ASHLAND COUNTY DOT #34, MELLEN STH 13	$	8,668,668
BARABOO - GREENFIELD RESERVE PHASE 2	$	1,933,138
JIM FALLS - AMPI Lift Station (T&M)	$	50,000
LINO LAKES - Pheasant Run Reconstruct	$	886,886
STEVENS POINT - '23 Road Resurfacing	$	2,493,116
PRICE COUNTY - CTH E Road Reconstruction	$	2,697,721
AUGUSTA - Water Loop & Sewer Replacement	$	396,260
CHIPPEWA FALLS - EOG Plant Demo (K-n-G Mechanical)	$	30,000
BLAIR - '23 Street & Utility Improvements	$	3,366,366
ARCADIA - Oak St. Bridge Utility Relocations	$	537,232
SOMERSET - Main St Bridge (Lunda)	$	448,750
CANNON FALLS - 3rd St Lift Station & FM	$	899,152
HOLMEN - Bluffview Bus, Pk Ph 3 (St. Joe's Const)	$	1,217,123
TOWN OF LAKE - Maple Ridge Road	$	759,815
PIERCE COUNTY DOT #8, Hager City USH 63/STH 35	$	1,055,507
Portage - West Conant Street	$	1,890,128
DEFOREST - Hickory Lane Interceptor	$	2,446,915
CHIPPEWA FALLS - Riverstone Suites Service(Tanner)	$	59,483
Sauk Cty DOT#2. Baraboo STH 33	$	18,788,706
BARRON - USH 8/La Salle Ave. Intersection(Simon)	$	644,263
SOMERSET - Growing Wings Ext. (Miller X)	$	106,706
HAMMOND- Lorparex Water Services	$	36,860
REEDSBURG - My Home Estates	$	2,137,413
WOODBURY-WILMES LAKE ALUM TREATMENT (MILLER EXCV)	$	414,724
MADISON-UNIVERSITY DRIVE (INTEGRITY GRADING)	$	100,000
BARKSDALE-COZY CORNER ROAD IMPROVEMENTS	$	1,129,453
RICE LAKE, MN - Phase 2 Utility Ext. w/ LS	$	1,955,245
LUCK - Park Ave Reconstruct	$	2,486,253

2024

REEDSBERG-PLUM STREET RECONSTRUCTION	$	331,102
LA CROSSE-LOSEY BLVD STORM OUTFALL	$	347,284
HAYWARD-2nd Street Reconstruction	$	2,544,213
STEVENS POINT-2024 FOREST CREEK SUBDIVISION PROJ #24-11	$	2,831,856
LAKE ELMO-STILLWATER BLVD TRUCK WATER MAIN IMPROVEMENTS	$	2,459,786
ST CROIX COUNTY-NORTH HUDSON STH 35 TRAIL	$	847,683
ANTIGO - EDISON STREET RECONSTRUCT	$	2,477,351
PARK FALLS-2024 UTILITY IMPROVEMENTS	$	2,911,838

PORTAGE-WATERMAIN & SANITARY SEWER UTILITIES EXTENSION	$	2,588,234
STEVENS POINT-2024 STREET IMPROVEMENTS PROJ #24-02	$	2,895,604
HASTINGS- 2024 NEIGHBORHOOD INFRASTRUCTURE	$	2,797,422
CLOQUET-8TH ST SAHLMAN AVE-PROSPECT AVE	$	1,347,700
ELKO NEW MARKET-PARK 1-35 INFRASTRUCTURE (PROJ #23025.2)	$	1,482,757
ROSEMOUNT-PROJECT BIGFOOT (FRATTALONE)	$	3,867,776
RED WING-STURGEON LAKE RD OVERPASS	$	356,772
SPOONER-2024 UTILITY & STREET IMPROVEMENTS	$	482,540
HAMMOND-LOPAREX PARKING LOT	$	155,368
ASHLAND-PRENTICE AVE (MAY #39) #8895-00-14	$	1,747,003
LAKE HALLIE-BERGH CONTRACTORS	$	50,000
LA CROSSE-ST ANDREW STREET RECONSTRUCTION	$	664,159
BLOOMER-IDENTITY AG	$	48,484
EAU CLAIRE-CASCADE TISSUE-CSCD SHIPPING DOCKS 14 & 10 (MIRON)	$	49,860
WOODBURY-HARGIS PKWY & WOODLANE DR	$	1,342,439
PLOVER-HARVEST ACRES FIRST ADDITION	$	1,662,174
DULUTH-WOODLAND AVE (HOVLAND)	$	50,000
CAMERON-STORM STRUCTURE REPLACEMENTS	$	40,000
WYOMING-2024 STREET IMPROVEMENT PROJECT	$	1,393,150
DULUTH-STREET PRESERVATION (HOVLAND)	$	60,000
STILLWATER-WILLARD STREET WATERMAIN (MILLER EXC)	$	50,000
WESTON-JELINEK & VON KANEL MH (MELVIN)	$	59,500
ROCHESTER-NORTH BROADWAY RECONSTRUCTION J7341	$	14,813,217
RAMSEY-WWTP (MILLER EXCV)	$	100,000
WOODBURY-WOODLANE DR RETAINING WALL REMOVAL & TRAIL IMPRV	$	100,000
WAUSAU-WASHINGTON STREE SIPHONE REPLACEMENT	$	809,819
BARABOO-VILLAGE WEST HOUSING DEVEL	$	696,148
ASHLAND - STH 13 (DOT)	$	9,872,550
SANDSTONE-4TH & WASHINGTON STREET & UTILITY IMPROVEMENTS	$	1,456,605

2025

ASHLAND - STH 13 (DOT)	$	9,872,550
STILLWATER - Curve Crest Blvd. Utility Ext.	$	2,492,816
SUPERIOR - Hammond Ave. (DOT)	$	4,387,468
WOODBURY - Pioneer Dr, Dual 36" Water	$	36,304,892
LODI - '25 Street & Utility Improvements	$	1,894,172
MELLEN - Columbia Forest Products Forcemain	$	227,500
ARLINGTON - Ellickson Street & Utility Improvements	$	1,227,555
HUDSON - 11th Street (DOT)	$	1,711,837
WOODBURY - South Wellfield Raw Water & Distribution Lines	$	6,250,184
SUPERIOR - '25 Recyled Asphalt & Concrete Crushing Contract	$	232,719
LOGANVILLE - STH 23 Utility Reconstruct	$	1,140,722
WOODBURY - East Wellfield Manifold Proj.	$	4,957,721
WOODBURY - Bailey Road/Water Tower Feed	$	747,585
WINDSOR - CTH CV Utility Improvements	$	3,767,028
LA CROSSE COUNTY - Onalaska Landfill Cell IX Prep.	$	453,620
PORTAGE - USH 51 Utility Reconstruct	$	1,440,378
COTTAGE GROVE - High Zone Raw Water	$	4,771,150
DULUTH - Lincoln Park(Hovland T&M)	$	176,334
MAUSTON - East Side Utility Ext.	$	377,339
LA CROSSE - St. Andrews Street	$	699,261
SPARTA - South Court St. Reconstruct	$	1,459,481
LA CROSSE - Green Bay Street Reconstruct	$	847,682
PARK RIDGE - Hillcrest Dr. & Greenbriar Ave.	$	1,461,487
NEWPORT - Water System Interconnection	$	1,375,525
DULUTH - 26th Ave & London Rd Watermain Relocation	$	913,108
DOUGLAS CTH DEPT - CTH Z Reconstruct	$	1,919,987

STEVENS POINT - Washington Ave.	$	509,996
CHIPPEWA FALLS - Premium Waters DB(S.E.H.)	$	1,519,977
COLUMBIA HEIGHTS - 40th Ave. Utility Improvements	$	871,115
HASTINGS - Central WTP, Raw Watermain	$	2,972,475
WOODBURY - Tower Drive Sanitary Sewer Realingment	$	389,555
LAKE ELMO - I-94 L.S. Forcemain Replacement	$	1,248,683
ROCHESTER - 19th Ave. & 4th St. R-A-B(Pember)	$	672,173
HAM LAKE - T.H. 65 East Frontage Road	$	1,627,500
WHITING - Sherman Ave. Sanitary Sewer Conversion	$	277,868
NEW RICHMOND - Fox Run 7th Addtn (Albrightson)	$	158,639
LAKE ELMO - Prairie Sky Townhomes(Albrightson)	$	206,310
WAUSAU - Project A(Haas)	$	174,899
RED CLIFF - Community Housind Dev. Ph.2(Tri-City)	$	250,000
ASHLAND - AMC Primary Care Clinic(Stout)	$	84,412
CLARK COUNTY DOT#17, STH 13 Porky Creek Culverts	$	1,555,281
CUMBERLAND - STH 63 Water Main (Power)	$	104,305

Jack Preston

Managing Director
Travelers Bond & Specialty Insurance
Commercial Surety
1 North Dale Mabry Highway
Tampa, FL 33609
(813)-357-6245
jack.preston@travelers.com

January 1, 2026

A-1 Excavating LLC
8237 State Hwy 64, PO Box 90
Bloomer WI 54724

Re:

Dear To Whom it May Concern:

It has been the privilege of Travelers Casualty and Surety Company of America ("Travelers")[1] to provide surety bonds for A-1 Excavating LLC. We maintain a strong surety relationship with MasTec, Inc. and its subsidiaries and have provided bid, performance and payment bonds for a wide variety of owners. They currently have single bond capacity in the $500,000,000 range with an aggregate program of approximately $4,000,000,000.

At their request, we will give favorable consideration to providing required bonds. Please note that the decision to issue bid, performance and payment bonds is a matter between A-1 Excavating LLC and Travelers, and will be subject to our standard underwriting at the time of each bond request, which will include but not be limited to the acceptability of the contract documents, bond forms and financing. We assume no liability to third parties or to you if for any reason we do not execute bonds.

If you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,

Jack Preston

Travelers Casualty and Surety Company of America

[1] Travelers Casualty and Surety Company of America is rated A++ (Superior) by A.M. Best Financial Size Category XV ($2 Billion or greater).

A.M. Best's rating of A++ applies to certain insurance subsidiaries of Travelers that are members of the Travelers Insurance Companies pool; other subsidiaries are included in another rating pool or are separately rated. For a listing of companies rated by A.M. Best and other rating services visit www.travelers.com. Ratings listed herein are as of July 29, 2022, are used with permission, and are subject to changes by the rating services. For the latest rating, access www.ambest.com.

BANK OF AMERICA

Global Commercial Banking
701 Brickell Ave, 8th Floor
Miami, FL 33131

July 18, 2024

To whom it may concern:

Re: **MasTec, Inc**
Letter of Reference

I, Julia Greenwell, a Senior Vice President of Bank of America ("Bank"), do hereby certify that **MasTec Inc** ("**MasTec**" or "Client"), and its subsidiaries has been a client of Bank of America or its predecessor organizations for a period of over 20 years. During this period, **MasTec** has always satisfactorily fulfilled its obligations to Bank of America.

Bank of America leads **MasTec's $1.9 billion** revolver credit facility, under which outstandings as of 3/31/24 was $518.7 million which includes direct borrowings from revolver and issued Stand-By Letters of Credit. Bank of America also acts as **MasTec's** lead treasury management provider. The Bank's relationship with **MasTec** has proved to be highly professional, and we hold **MasTec's** management team in the highest regard.

This certification is being delivered to you at the request of our Client. Please note that the information set forth in this letter is subject to change without notice and is provided in strict confidence to you for your own use only, without any responsibility, guarantee, commitment or liability on the part of Bank of America, its affiliates or any of its or its affiliates' directors, officers or employees. Bank of America cannot provide any credit ratings or opinions of the creditworthiness of Client or any of its/his/her affiliates, and the above information does not constitute an opinion of Bank of America, of Client's ability to successfully perform its obligations under any agreement it may enter into with you, Bank of America or any other entity. Finally, Bank of America undertakes no responsibility to update the information set forth in this letter.

If you have any additional questions, please do not hesitate to contact me.

Very truly yours,



Julia Greenwell
Senior Vice President / Commercial Credit Officer
Bank of America
Tel: (305) 347-2770

Marsh

September 1st, 2024

MasTec North America, Inc.
800 Douglas Road, 11th Floor
Coral Gables, Florida

Re: NCCI Experience Modification Letter (3 Years) - MasTec North America, Inc. (a subsidiary of MasTec, Inc.)

To Whom It May Concern:

As the authorized Insurance Broker for MasTec North America, Inc. a subsidiary of MasTec, Inc., Marsh US LLC. ("Marsh") verifies that MasTec North America, Inc.'s **current EMR for 9/15/24 to 9/15/25 is 0.70**. The following NCCI EMR Factors for the past two (2) years are:

Year	Exp Mod
2023	.67
2022	.67

Sincerely,

Jackie Golden

Jackie Golden, Managing Director
Marsh USA, Inc.
3560 Lenox Road, Suite 2400
Atlanta, GA 30326
Mobile: 404 909 0479

Division of Transportation System Development
Bureau of Project Development, Room S437
4822 Madison Yards Way
Madison, WI 53705

Tony Evers, Governor
Craig Thompson, Secretary

Internet: wisconsindot.gov

Telephone: 608-266-1631

E-Mail: DOTDTSDBPD@dot.wi.gov

March 5, 2024

A-1 Excavating LLC
8237 State Hwy. 64, P.O. Box 90
Bloomer, WI 54724

Expiration Date: **May 1, 2025** **REVISED**

The Experience Questionnaire and Financial Statement submitted by you for the purpose of obtaining prequalification ratings to permit bidding on work let under the direction of the Division of Transportation System Development have been reviewed. On the basis of the information contained in the statement, notification is hereby given that the following ratings have been assigned to you:

(A)	General Construction	$50,000,000
(B)	Grading	$50,000,000
(C)	Concrete Pavement	$500,000
(D)	Asphaltic Pavement	$500,000
(E)	Gravel & Crushed Stone	$25,000,000
(F)	Structures	$500,000
(G)	Railroad Construction or Rehabilitation	$500,000
(J)	Building Construction	$500,000
(K)	Incidental Construction	$25,000,000
(M)	Maximum Capacity	$96,500,000

The above ratings will remain in effect until the indicated expiration date unless revised or terminated prior to that date.

Sincerely,

Rielly O'Donnell

Rielly O'Donnell, P.E.
Chief Proposal Management Engineer

RO:mkw

A-1 EXCAVATING, LLC

BACKHOES
Cat 395 Backhoe
Cat 390DL Backhoe
Cat 374 Backhoe
Komatsu 600 Backhoe
Cat 349 Backhoe
Kobelco SK485 Backhoe
Kobelco SK500 Backhoe
JD 470G Backhoe
Cat 336E/FL Backhoe
JD 350G Backhoe
Kobelco SK350 Backhoe
Kobelco SK270 Backhoe
JD 245G Backhoe
JD 210C Backhoe - Wheeled
Komatsu 210LC Backhoe
Cat 320EL/M320F/325-07 Backhoe
Kobelco SK210 Backhoe
Kobelco SK170 Backhoe
Bobcat E145
Kobelco SK140 Backhoe
Cat 315FL
Cat 426C Tractor/Backhoe
Kobelco SK45SRR
Bobcat E35/E45/E35864 Mini-Backhoe
Cat 303.5E/304 Mini-Backhoe

LOADERS
Cat 982M Loader
JD 844 Ag Handler 10YD
Cat 980M Loader
JD 824K Loader
Cat 972M Loader
JD 744K/L Loader
Cat 966G Loader
Cat 950G Loader
JD 644K Loader
Cat 930G Loader
Cat IT-28F Loader
JD 544J/K/L Loader
Case 570MXT Loader
JD 21OLE Landscape Loader
JD 304/234 Loader

GRADERS
JD 872 Grader w/Ripper
JD 672G Grader w/GPS
JD 672D Grader
Cat 120G Grader
Cat 140 AWD w/GPS

COMPACTORS
Cat 563E Compactors
Bomag 213 Compactors
Cat CP56/CS56 Compactor
Cat CP44/CS44 Compactor
Cat CP433C/CS433E Compactor

DOZERS
JD 950L Dozer w/Ripper
JD 850K/L Dozer
JD 750K Dozer
JD 700K/L Dozer
Cat D6K Dozer
Cat D5K
JD 650K/L LGP Dozer
Cat D4 Dozer
Cat D3 Dozer
JD 450J Dozer

SKID STEERS
Cat 299 Skid Steer
Bobcat T770 Skid Steer
Cat 257D/262D Skid Steer
Bobcat T550/T595/T590 Skid Steer
Cat 226/236/239/247 Skid Steers
95 Skid Steer Hammer

OFFROAD TRUCKS
JD 460 Off-Roadd Truck
Cat 745 Off-Road Truck
Cat 740B Off-Road Truck
JD 410 Off-Road Truck
Volvo A40G Off-Road Truck
Cat 725 Off-Road Truck

MISC. EQUIPMENT
Water Truck 2000 Gallon
Water Truck 4000 Gallon
Lowboy Tractor/Trailer - 8 Axle
Quadaxle Dump Truck
Peterbilt 330
Wirtgen Pulverizer/Reclaimer
McCloskey Crusher/Stacker
Small Equipment and Tools
Shoulder Machine
Tractor w/Disc

LABOR
Foreman with Truck
Mechanic Truck with Mechanic
Operator/Mechanic/Welder
Laborer

City of Lewiston, Minnesota
City Council Resolution #2026-17

RESOLUTION ACCEPTING 2026 STREET & UTILITY IMPROVEMENT BID RESULTS AND AWARD AND AUTHORIZE CONSTRUCTION ENGINEERING

WHEREAS, pursuant to an advertisement for bids for the 2026 Street & Utility Improvements, the improvement of the following areas by reconstruction of applicable street or alley pavement, sidewalks, storm sewer, sanitary sewer, water distribution and related improvements:

Street/Location	From/To
N Fremont Street	Main Street to Trunk Highway 14
Harrison Street	N Fremont Street to N Linden Street
N Linden Street	Main Street to Williams Street
Alley "A"	Between 1st St S and 2nd St S (S Fremont Street to 320' west)
Alley "B"	Between Main St and Harrison St (N Linden St to 400' west)
Alley "C"	Between Main St and Harrison St (N Linden St to Rice St)
Alley "D"	Between Main St and Harrison St (Rice St to Lincoln St)
Lewiston City Hall (75 Rice St) – Parking Lot Reconstruction Alone	
Lewiston City Shop (355 1st St SE) – Adjacent Sanitary Sewer Improvements Alone	

bids were received, opened, and tabulated according to the law, and the following bids were received complying with the advertisement:

Bidder	Base Bid	Alternate 1	Base + Alternate
A-1 Excavating Inc	$3,069,444.00	$84,354.00	$3,153,798.00
Alcon Excavating	$3,240,498.34	$72,159.40	$3,312,657.74
Danckwart Companies	$3,284,129.13	$80,047.77	$3,364,176.90
BKC Construction LLC	$3,457,598.96	$82,638.61	$3,540,237.57
SL Contracting Inc	$3,474,860.57	$79,577.00	$3,554,437.57
Generation X Construction LLC	$3,609,621.80	$89,500.00	$3,699,121.80

AND WHEREAS, it appears that A-1 Excavating, Inc. of Bloomer, Wisconsin is the lowest responsible bidder.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Lewiston:

1. The mayor and city administrator are hereby authorized and directed to enter into the attached contract with A-1 Excavating, Inc. of Bloomer, Wisconsin in the name of the city of Lewiston for the 2026 Street & Utility Improvements according to the plans and specifications therefor approved by the city council and on file at City Hall.
2. In addition to the base bid, the City Council also authorizes Alternate 1.
3. The city administrator is hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next lowest bidder shall be retained until a contract has been signed.

Adopted by the City Council of Lewiston, Minnesota, this 8th day of April, 2026.

_____
Mayor

ATTEST:

_____

City Clerk

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve the Public Safety Center Donor Wall for the Public Safety Center building at a total cost of $14,599.53.

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Memorandums

FROM:
Ragini Varma

Background:

Establishing a donor wall at the new public safety center facility is a meaningful and strategic way to recognize the generosity and commitment of those who helped bring this important project to life. The major donors featured on the donor wall design have played a critical role in making the facility possible, contributing to a level that allowed the City to allocate $1,060,000 in cash toward the overall project cost. Publicly honoring these individuals and organizations demonstrates the City's appreciation and reinforces a culture of community investment and partnership.

For the City of Lewiston, this recognition goes beyond gratitude—it helps build long-term relationships with donors and encourages future philanthropic support for civic projects. A thoughtfully designed donor wall also enhances the facility itself, serving as a permanent reminder of the community collaboration that made the project a reality.

Council requested that City Staff approach local monument businesses Lewiston Monument and Matzke Monuments to inquire if they did Donor Walls. Both of them are into monuments business and not Donor Walls. Lewiston Monument stated they do not have anything that matches what the other vendor can do. Matzke Memorial stated "In the photo's I show a 12 x 12 in size granite tile. For Lewiston project I would suggest a black tile that can be bought at Home Depot for about $9-$10 a tile. Then based on the size of donor, is what determines how many names on the tile. You would install them, as easy as tiling a wall normally, and they can be put in any pattern and be added very easily. We would do the sandblasting of names for you. I've also attached a sample of a form that is used for the donors. We do impact etchings also so custom designs like the EMS logo, Fire Logo, Police Logo can be detailed by impact etching or even sandblasting. First time we would do all the names you have and then after that it would be once a year, typically our slow time in February to do any additions. We wouldn't commit to a June deadline, but we could try. We could sandblast a full tile for $150, if it's not full we would wait until it would fill up to make or we would need to add that charge again each time we do a lettering. So, it's most efficient to letter one tile at a time instead of a partial tile if that makes sense. If you don't buy the tile, tack on another $10 if we buy the tile." There was no formal quote provided or design.

To ensure the donor wall is completed in time for the ribbon cutting on July 26, 2026, at 11am, three vendors that are in business of donor walls and asked for three design samples and quotes that met the project timeline. One vendor demonstrated the ability to meet both the design expectations and the schedule, and staff have since refined the design from three concepts down to a single preferred option.

In order to proceed and meet the production timeline of approximately three months, Council action is needed to approve the donor wall. The total one-time cost is $14,599.53, which will be funded through CIP 401 fund. Staff are enthusiastic about moving forward with this initiative as a way to appropriately honor donors and express the City's sincere appreciation for their contributions.

Staff Recommendation:

Approve Public Safety Center Donor Wall in the amount of $14,599.53.

Attachments:

GraniteWall.jpg
17121.2_Quote.pdf


VMH
ACCESS for ALL
Veterans
Memorial
Hospital
FARMERS
&
MERCHANTS
SAVINGS
BANK
WAUKON
STATE
BANK
1998

Partners In Recognition, Inc.

3/9/2026

Represented By:
Jeff Baum

Price Quotation

Ragini Varma
Administrator
City of Lewiston
75 Rice St.
Lewiston, MN 55952

Quote #17121.1 Updated

Our Clear Change System combines a custom built display with film acetate sheets.

The overall size of the display is 56-1/2" X 36-1/2". The base is inlaid black, Graphite and New Burgundy laminate. Across the top is a brushed silver laminate underscore with attached 3-3/4" acrylic cut-out letters with a black finish. To the left are cut-out brushed silver laminate badges with printed graphics. Measuring 33-1/2" X 12" is a printed clear polycarbonate sheet that mounts under scratch-resistant acrylic of the same size with four small silver stand-offs. Names are shown at 45pt. Below the Clear Change panel are eight 8" X 4" clear acrylic nameplates with printed white copy that mount with four small silver standoffs each.

Total Investment: $14,599.53

Pricing above includes the printing of one polycarb sheet. Additional ones are $201.17/ea.

Pricing above does not include the cost of printing nameplates. Please add $28/ea on initial order and $38/ea thereafter.

Shipping charges are pre-pay and add, pricing is valid for six months. It does not include installation.

Quoted By:
Travis
Travis J Wilker

Accepted By _____
Date _____
P.O. Required?____Yes ____No

405 South Main St.
Ft. Loramie, Ohio 45845
p | 937.420.2150
f | 937.420.0413
e | info@gopir.com
www.gopir.com

INSPIRING
others to make a difference
by recognizing those who already have.



IN RECOGNITION

This building stands as a testament to the strength, generosity, and shared commitment of our community. In 2009, the City Council formally recognized a committee, beginning a vision that would span more than 16 years. Throughout that time, countless Fire, Ambulance, Police & City personnel—along with past and present Mayors and Council members, and dedicated community members—worked tirelessly to bring this project to completion. Without their time, leadership, and perseverance, this facility would not exist.

This $3.4 million facility broke ground in 2025 and opened its doors in 2026. Funded through donations, long-term savings, and most importantly the taxpayers of Lewiston, it represents a true community investment. Every donor recognized here played a vital role in transforming this vision into reality. We are proud to honor these contributions and deeply grateful for the commitment to the safety and future of our community.

The Webster A. and Marcella B. Fischer Foundation

Ramona Jezewski Trust

Lewiston Volunteer Fire Company

Lewiston Ambulance Association

T.R. & Mitzie Hennessy Family

custom designed by

PIR

PARTNERS IN RECOGNITION, INC.

SYSTEM: Stand-off & Clear Change **DISPLAY SIZE:** 56.5"w x 36.5"h **OVERALL SPACE AVAILABLE:** 120"w x 108"h

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405 South Main St., Ft. Loramie, OH 45845 | p 937.420.2150 | f 937.420.0413 | www.gopir.com

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Approve Water Softener for the new Public Safety Building for $7,653

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Budget

FROM:
Ragini Varma

Background:

Ambulance Director Matt Essig explained that the water software will be supplied by the project owner and is not included in the bid, nor is it covered by the Fischer Grant awarded to the City. The attached quote is provided for reference, as the software is required for the new building. This represents a one-time expense, which will be funded using unreserved funds from CIP Fund 401.

Staff Recommendation:

Approve Water Softener for the new Public Safety Building for $7,653

Attachments:

Quote -PSC Water Softener UPDATED.pdf

Countryside Culligan Water
1825 Mobile Dr. Winona, MN 55987
CulliganBetterWater.com
(507)452-3600

March 23, 2026 Quote # EB01012026-6

EMS Building
85 North Fremont ST
Lewiston, MN 55952

Attention: Matt Essig

Quote is to install a water softener for new EMS building in Lewiston. Sizing is based on 18GPG harness and 2" pipe size from Plans provided by Matt Essig.

Details as follows:

- CTM – 90 – Softener
- 650LB Salt tub
- Falcon tube Connectors

Quote Includes the following:

- Delivery, Set-up and Installation
- Start-up & Programming
- Piping to waste drain
- 650LB of Solar Salt

Total - $7653.00

NOTE:

- This quote is valid for 90 days.
- Payment Terms – 30% down with signed order, balance due upon completion
- 3 Valve bypass to be built by others
- Waste Drain to be supplied by others.

Culligan Water is proud to offer our quality equipment and services so you can maintain the quality water you need for your equipment to operate properly, done with the peace of mind that it will be maintained by our experienced Culligan service team.

Thank you,

Eric Bartsh
Service Representative

Acceptance signed:_____ Date:_____

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Brush site pad and road rebuild

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Requests

FROM:
Dan Horvat

Background:

After hauling away the brush pile this last winter, we now need to address the site. I have a proposal here to straighten and rebuild the access road and level the site. We would need to place gravel on the site as well. This would include cutting a ditch along the field to avoid the mud and water running down the road and causing it to be unusable during rain events. This proposal also includes an estimate to level the site at Prairie Trails and add rock to this access road.

Staff Recommendation:

Approve the estimate as provided with possibly waiting to install to rock for the dump site pad until next year if needed. This would come out of the 101-43100 budget for this year.

Attachments:

Lewiston Compost Site Estimate.pdf

PEARSON BACKHOE SERVICE INC

24330 Richland Rd.
St.Charles, MN 55972

Estimate

DATE	ESTIMATE #
3/27/2026	851

NAME / ADDRESS
City of Lewiston P.O. Box 371 75 Rice St. Lewiston, MN 55952

PROJECT

DESCRIPTION	QTY	COST	TOTAL
cat work to construct a road into compost pile		3,000.00	3,000.00
rock for drive 250 ton		4,750.00	4,750.00
cat work to level compost pad		3,000.00	3,000.00
rock for a 100' x 100' pad 375 ton		7,125.00	7,125.00
cat work to level off fill in sewer pond		1,200.00	1,200.00
rock for road at sewer pond 95 ton		1,805.00	1,805.00

Thank you for your business.

TOTAL $20,880.00

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Lawn mower trade in quotes

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Requests

FROM:
Dan Horvat

Background:

I have 2 quotes to upgrade the PW mowers. We currently have a 2017 Kubota with around 1000 hours and a 2023 Gravely with 400 hours on it. I have a proposal from M&M Lawn and Leisure for a 2023-60" Zero turn and a 2023-72" zero turn. I also have a quote included from Midwest Machinery for a 2026-60" and a 2026-72" zero turn mowers.

Staff Recommendation:

Purchase the 2- 2026 mowers from Midwest Machinery in St. Charles.

Attachments:

Detailed_Proposal_For_Quote_1784344.pdf
city-of-lewiston-4-1-26.pdf

MIDWEST MACHINERY CO

JOHN DEERE

Prepared For

CITY OF LEWISTON

PO BOX 129

LEWISTON, MN 559520129

Prepared By

Brian Anderson

Midwest Machinery Co.

11906 Hwy 14 East

Saint Charles, MN 55972

5079324030

banderson@mmcjd.com

Quote Id 1784344

Creation Date 19-Mar-2026

Expiration Date 17-Apr-2026

Quote Summary

Equipment Summary	Suggested List	Selling Price	QTY In Group	Extended
New 2026 JOHN DEERE Z950M 60-SUS 0695TC-1TC950MCKTT151275	**$15,894.00**	**$11,932.13**	**1**	**$11,932.13**
New JOHN DEERE Z950M 72-SUS 0695TC	**$16,644.00**	**$12,477.37**	**1**	**$12,477.37**
Equipment Total				**$24,409.50**

Trade In Summary	Extended
2023 Gravely Pro-Turn 560	**$3,853.25**
Final Trade Allowance	$3,853.25
2017 Kubota ZG227	**$1,556.25**
Final Trade Allowance	$1,556.25
Total For Trades	**$5,409.50**
Trade In Total	**$5,409.50**

Quote Summary	
Total Selling Price	$24,409.50
Total Trade-In Allowance	($5,409.50)
Trade Difference	$19,000.00
Sub-total	**$19,000.00**
Balance Due	**$19,000.00**

Salesperson : X _____ **Accepted By : X** _____

Selling Equipment

Quote # 1784344

Customer CITY OF LEWISTON

New 2026 JOHN DEERE Z950M 60-SUS 0695TC

QTY In Group : 1

Equipment Notes	
Hours	0
Serial Number	1TC950MCKTT151275
Stock Number	603922
PUK Parent Serial #	- - -

Suggested List

$15,894.00

Selling Price

$11,932.13

Equipment Summary

Description	Qty	List Price	Adjusted Selling Price
Z950M 60-SUS	1	$15,299.00	$15,299.00

Base / Options

Description	Qty	List Price	Adjusted Selling Price
United StatesCanada	1	$0.00	$0.00
24x12x12 Pneumatic Turf Tire for 54 In. and 60 In. Decks	1	$0.00	$0.00
60 In. Side Discharge Mower Deck	1	$0.00	$0.00
Fully Adjustable Suspension Seat with Armrests 24" High Back	1	$595.00	$595.00
Total Base / Options		**$15,894.00**	**$15,894.00**

Customer Discounts

Description	Discount Amount
Customer Discount	($3,961.87)
Total Discounts	**($3,961.87)**
Selling Price Subtotal	**$11,932.13**
Total Selling Price	**$15,894.00**	**$11,932.13**

New JOHN DEERE Z950M 72-SUS 0695TC

QTY In Group : 1

Equipment Notes	
Hours	0
Serial Number	
Stock Number	604358
PUK Parent Serial #	- - -

Suggested List
$16,644.00
Selling Price
$12,477.37

Equipment Summary

Description	Qty	List Price	Adjusted Selling Price
Z950M 72-SUS	1	$15,299.00	$15,299.00

Base / Options

Description	Qty	List Price	Adjusted Selling Price
United StatesCanada	1	$0.00	$0.00
24x12x12 Pneumatic Turf Tire for 72" Decks	1	$0.00	$0.00
Fully Adjustable Suspension Seat with Armrests 24" High Back	1	$595.00	$595.00
72 In. Side Discharge Mower Deck	1	$750.00	$750.00
Total Base / Options		**$16,644.00**	**$16,644.00**

Customer Discounts

Description	Discount Amount
Customer Discount	($4,166.63)
Total Discounts	**($4,166.63)**
Selling Price Subtotal	**$12,477.37**
Total Selling Price	**$16,644.00**	**$12,477.37**

Trade-Ins

2023 Gravely Pro-Turn 560

Trade-In Notes	- - -
Serial Number	002144
Stock Number	
Hour Meter	451.0

Description	Net Trade Value
2023 Gravely Pro-Turn 560	$3,853.25
Pay Off	$0.00
Total	**$3,853.25**

2017 Kubota ZG227

Trade-In Notes	- - -
Serial Number	A2240
Stock Number	
Hour Meter	817.0

Description	Net Trade Value
2017 Kubota ZG227	$1,556.25
Pay Off	$0.00
Total	**$1,556.25**

M&M Lawn & Leisure - Rushford

906 Enterprise Drive
Rushford MN 55971
507-864-7781

Buyer's Invoice

CITY OF LEWISTON

PO BOX 129
LEWISTON MN 55952

Date 04/01/2026
Deal No.
Salesperson Dustin Kreidermacher
Lienholder No Lien Holder

H 763-442-1862 W C 763-442-1862 Email publicworks@lewistonmn.org

I hereby agree to purchase the following unit(s) from you under the terms and conditions specified. Delivery is to be made as soon as possible. It is agreed, however, that neither you nor the manufacturer will be liable for failure to make delivery.

Unit Information

New/U	Year	Make	Model	Serial No.	Stock No.	Price (Incl factory options)
New	2023	Gravely	Pro-Turn® 500 60" 992511	000154	AR000154	$11,494.00
New	2023	Gravely	Pro-Turn® 572 72" 992512	000507	AR000507	$12,483.00

Options with Labor

Dealer Unit Price	**$23,977.00**
Factory Options	$0.00
Added Accessories	$0.00
Freight	$0.00
Dealer Prep	$0.00

Notes:

NEW AND MOST USED UNITS QUALIFY FOR WORRY FREE OWNERSHIP. ASK FOR PRICING!

Trade Information
2017 KUBOTA
2023

Cash Price	$23,977.00
Trade Allowance	$9,000.00
Payoff	$0.00
Net Trade	$9,000.00
Net Sale (Cash Price - Net Trade - Rebate)	$14,977.00
Sales Tax	$0.00
Vehicle Sales Tax	$0.00
DNR Registration Fees	$0.00
Title/License Fees	$0.00
Document or Administration Fees	$298.00
Total Other Charges	$298.00
Sub Total (Net Sale + Other Charges)	$15,275.00
Cash Down Payment	$0.00
Amount to Pay/Finance	$15,275.00

Monthly Payment of $0.00 For 0 Months at 0.00% Interest $0.00

NOTICE TO BUYER: (1) Do not sign this agreement before you read it or if it contains any blank spaces to be filled in. (2) You are entitled to a completely filled in copy of this agreement. (3) If you default in the performance of your obligations under this agreement, the vehicle may be repossessed and you may be subject to suit and liability for the unpaid indebtedness evidenced by this agreement.

TRADE-IN NOTICE: Customer respresents that all trade in units described above are free of all liens and encumbrances except as noted.

*With Approved Credit. Interest rates and monthly payment are approximate and may vary from those determined by the lendor.

Customer Signature _____ Dealer Signature _____

Thank You for Your Business!

CITY OF LEWISTON

REQUEST FOR COUNCIL ACTION

Public Hearing on the CUP for MinnWest Bank and Approve the Site Plan & CUP for MinnWest Bank

COUNCIL DATE:
April 8, 2026

TO:
City Council

CATEGORY:
Hearings

FROM:
Ragini Varma

Background:

Public Hearing – Conditional Use Permit (CUP) for MinnWest Bank

An application for a Conditional Use Permit (CUP) has been submitted by MinnWest Bank to allow a drive-through facility at 6205 Highway 14, parcel number R25.07200.20. The application was filed on February 24, 2026.

Notice of the public hearing was published in the official legal newspaper on March 26, 2026, and mailed to all property owners within 350 feet of the subject site, in accordance with Minnesota Statutes § 462.357, Subd. 3.

City staff and the Bolton & Menk planning team have reviewed the submitted plans and determined that they meet all applicable zoning and planning requirements and are consistent with the City's Comprehensive Plan. All required application fees have been paid. The City Council is required to hold the public hearing within the 60-day review period, which expires on April 24, 2026.

Proposed Agenda:

- Presentation by G-Cubed, on behalf of MinnWest Bank, regarding the CUP application
- Close Regular Meeting
- Open Public Hearing (state time)
- Receive public comments
- Close Public Hearing (state time)
- Reopen Regular Meeting
- Council discussion and findings of fact (summary of testimony and key issues)
- Consideration of a motion to approve the CUP for MinnWest Bank

Site Plan Review – MinnWest Bank

MinnWest Bank has submitted civil plans and supporting documentation for the development of a new 4,890-square-foot bank building at 6205 Highway 14, Lewiston, MN 55952. The

proposal includes associated parking and drive aisles.

The plans have been reviewed by City staff, Building Official Chad Sommers, and the engineering firm Bolton & Menk. The project is now being presented to the City Council for consideration and approval.

- Video Presentation
- All required documents for approval of the proposed site plan are attached for review.

Representatives from MinnWest Bank, including their senior planner, along with their engineering firm G-Cubed, will be present to review the proposal and answer any questions from the Council.

Staff Recommendation:

1) Council to hold the Public Hearing on the CUP for MinnWest Bank
2) Council approve the Site Plan and CUP for the MinnWest Bank

Attachments:

Minnwest Bank Lewiston CUP Documentation.pdf
Signed CUP MinnWestBank.pdf
Parcel R250720020.pdf
Zoning & Land Use Site Plan App (signed).pdf
Minnwest Bank Lewiston Branch - Civil Submittal Cover Letter.pdf
20260302 25-143 Minnwest Bank Lewiston Civil Plans.pdf
25-143 Minnwest Bank - Certificate of Survey - Signed.pdf
25-143 Minnwest Bank - Certificate of Survey - Signed.pdf
Easement Agreement.pdf
26-03-11 Driveway Easement, ct.pdf
Minnwest St Cloud Sign (FOR REFERENCE).pdf
26 01 27 MW - Lewiston Building elevations.pdf
20260119 25-143 Minnwest Bank Lewiston - Drainage Report.pdf

February 24, 2026

City of Lewiston
Attn: Ragini Varma, City Administrator
75 Rice Street, PO Box 129
Lewiston, MN 55952

Re: Conditional Use Permit Documentation | Minnwest Bank – Lewiston Branch

Dear Ragini,

On behalf of Minnwest Bank, we are submitting supporting documentation for a Conditional Use Permit (CUP). Section 152.136(B) of the City Code states drive-in restaurants, car washes or similar uses that provide goods and services to patrons in automobiles is a conditional use in the B-1 Service Business District. Section 152.037 details Conditional Use Permits:

Section 152.037 CONDITIONAL USE PERMITS:
The purpose of a conditional use is to permit a use that would not be appropriate generally but may be allowed with appropriate restrictions upon a finding that certain conditions as detailed in the zoning ordinance exist, and the use or development conforms to the Comprehensive Plan, and is compatible with the existing area.

*A. **General Criteria for Granting Conditional Permits:** In granting a conditional use permit, the Council shall consider the advice and recommendations of the Planning and Zoning Commission and the effect of the proposed use on the Comprehensive Plan and upon the health, safety and general welfare of occupants of surrounding lands. Among other things, the Council shall make the following findings where applicable:*

(1) The use will not create an excessive burden on existing parks, schools, streets and other public facilities which serve or are proposed to serve the area;

- The use will not impact existing parks, schools, streets and other public facilities. Existing public facilities will not need to be upgraded or otherwise improved as a result of the use.

(2) The use will be sufficiently compatible or separated by distance or screening from adjacent residentially zoned or used land so that existing homes will not be depreciated in value and there will be deterrence to development of vacant land;

- The proposed use will be separated by both distance and screening from adjacent residentially zoned lands to the south. A wood privacy fence (matching City EMS privacy fence) will be installed along the southerly property line and continued along the westerly property line up to the drive-thru radii tangent point, where a chain-link privacy fence is proposed to screen the use from the 6240 Highway 14 property to the west. Existing homes will not be depreciated in value with the proposed construction

and deterrence to development of vacant land is not applicable in this scenario as this is 'in-fill' development.

(3) The structure and site shall have an appearance that will not have an adverse effect upon adjacent residential properties;

- The proposed building and site will have an aesthetic appearance that will not result in an adverse effect on nearby residential properties. Sidewalk, drive aisles and parking areas will be either concrete or bituminous, which prevents dust and other nuisance conditions (gravel washouts, etc.) on adjoining properties. The proposed privacy fence screening further mitigates noise, glare and view of the parking areas from the residential lands.

(4) The use, in the opinion of the Council, is reasonably related to the overall needs of the city and to the existing land use;

- The use will serve City and County residents alike, which provides an integral framework for City dynamics. The B-1 Service Business District zoning designation aligns with the bank use as it is a business that provides a service to the residents.

(5) The use is consistent with the purposes of this chapter and the purposes of the zoning district in which the applicant intends to locate the proposed use:

- The proposed use is consistent with the purposes of this chapter as well as the B-1 – Service Business District zoning designation and aligns with the City's Comprehensive Plan.

(6) The use is not in conflict with the Comprehensive Plan of the city;

- The use of the property falls within the Hwy 14 Business Corridor as denoted on the City Districts map of the Comprehensive Plan, and is thus not in conflict with said Comprehensive Plan.

(7) The use will not cause traffic hazard or congestion;

- The site is proposed to be served by two accesses, with primary access off of Highway 14 and secondary access via easement, south of the City's EMS building. The dual-access mitigates vehicle stacking within the site and provides for a more efficient traffic flow through the site. As designed, the site minimizes traffic hazard and congestion, providing for optimal ingress and egress.

Please accept this application for a Conditional Use Permit, and review/process at your convenience. Feel free to call with any questions.

Sincerely,

Jason Kappers, PE

ZONING & LAND USE APPLICATION

CONDITIONAL USE PERMIT

PROPERTY INFORMATION

Property Address	6205 Hwy 14, Lewiston, MN 55952
Parcel ID Number	250720020

APPLICANT INFORMATION

Name	Minnwest Bank c/o Dave Klun, Senior Facilities Planner
Address	1150 Yankee Doo Road, Eagan, MN 55121
Phone	(651) 354-7191
Email	davek@ mnwestbankgroup.com

OWNER INFORMATION

Name	☑ Same as applicant
Address	
Phone	
Email	

CONDITIONAL USE REQUEST

Land Use & Zoning	Business	Business (B)
Permitted Use(s)	Ref. 152.135	
Conditional Use(s)	Ref. 152.136(B) provide goods and services to patrons in automobiles	*Use Description.*
Use Detail	Commercial business - Minnwest Bank Lewiston Branch (see narrative)	*Parking, area, etc.*
City Code Section(s)	§ 152.037, 152.135, 152.136	

APPLICATION FEES

Application	$130	Escrow	$0

ACKNOWLEDGEMENT

APPLICANT STATEMENT

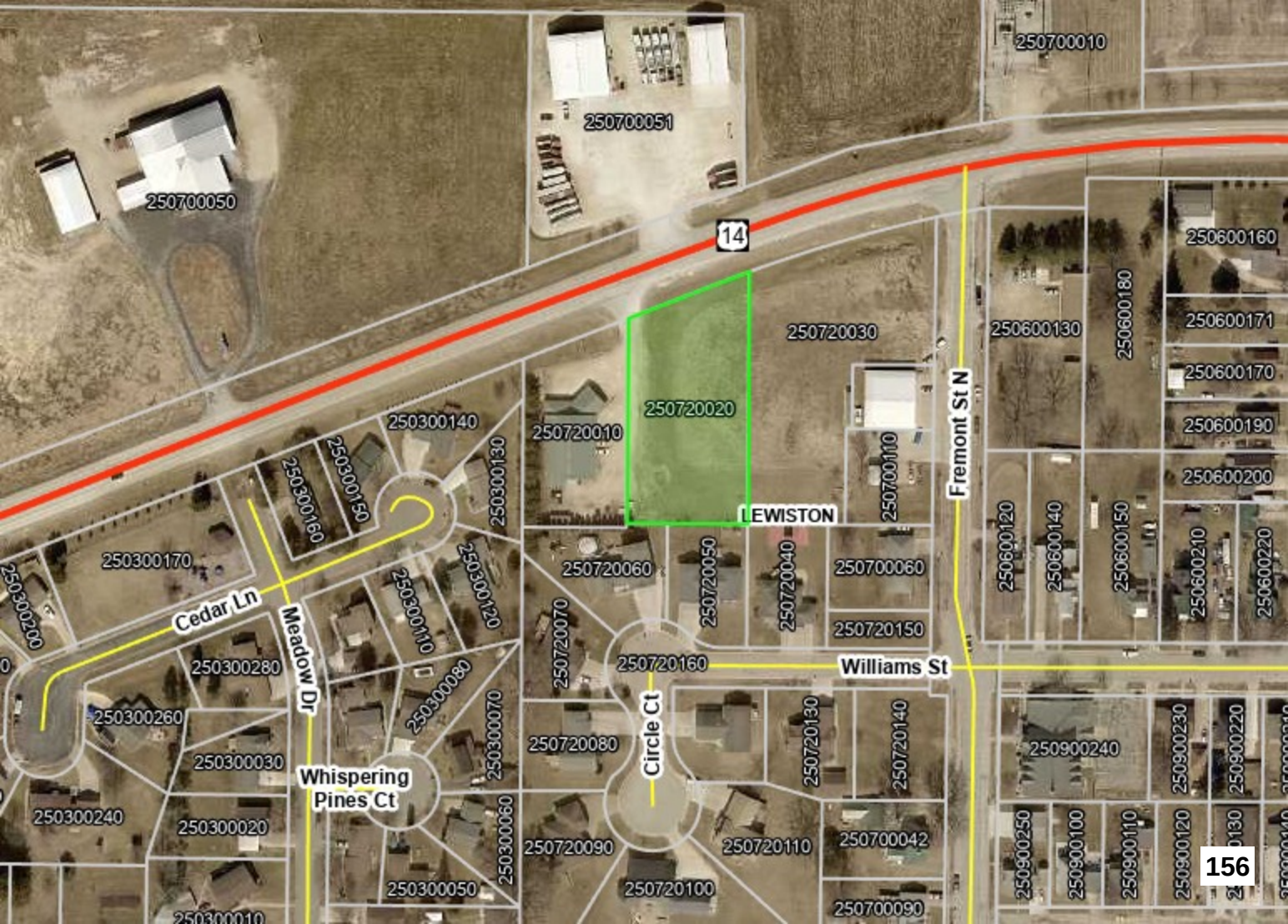
This application should be processed in my name, and I am the party whom the City of Lewiston should contact about this application. I have completed all of the applicable filing requirements and, to the best of my knowledge, the documents and information I have submitted are true and correct.

Applicant Signature — *Date* 2-24-2026

OWNER STATEMENT

I am the owner of the above described property and I agree to this application. By signing this application, I certify that all fees, charges, utility bills, taxes, special assessments, and other debts or obligations due to the City of Lewiston by me or for this property are paid in full. I further certify that I am in compliance with all ordinance requirements and conditions regarding other City approvals that have been granted to me for any matter(s). (If n or partnership, a resolution authorizing this action from the board or partnership must be attached.)

Signature — Date


250700010
250700051
250700050
14
250600160
250600130
250600180
250600171
250600170
250600190
250600200
250720030
250720020
250720010
250700110
Fremont St N
LEWISTON
250300140
250300130
250300150
250300160
250300170
250300200
Cedar Ln
Meadow Dr
250300120
250300110
250720060
250720050
250720040
250700060
250720150
250600120
250600140
250600150
250600210
250600220
250720070
250720160
Williams St
250300280
250300080
250300070
250300260
250300030
Whispering Pines Ct
250720080
Circle Ct
250720130
250720140
250900240
250900230
250900220
250300240
250300020
250720090
250720110
250700042
250900250
250900100
250900110
250900120
250300060
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250300010
156

Charles & Sandra Bonow
110 Meadow Dr
Lewiston, MN 55952

Teresa Marie Rinehart Boos
270 Cedar Ln
Lewiston, MN 55952

Mitchell & Desirae Bonow
280 Cedar Ln
Lewiston, MN 55952

Charles & Laurie Clobes
290 Cedar Ln
Lewiston, MN 55952

Erland Scott & Lou Ann Wiens
295 Cedar Ln
Lewiston, MN 55952

James & Kay Ziegler
275 Cedar Ln
Lewiston, MN 55952

Barbara Marchwick Rev Trust
100 Meadow Dr
Lewiston, MN 55952

John & Jean Reisetter
165 Whispering Pines Ct
Lewiston, MN 55952

Nicholas & Melissa Ebnet
155 Whispering Pines Ct
Lewiston, MN 55952

Steven & Carol Boynton
145 Whispering Pines Ct
Lewiston, MN 55952

Mark F Lewis
23 Circle Ct
Lewiston, MN 55952

Adam & Christine Brommerich
19 Circle Ct
Lewiston, MN 55952

Monica B Vesely
17 Williams St
Lewiston, MN 55952

Richard Schultz
9 Williams St
Lewiston, MN 55952

St Pauls Church UCC-ELCA
100 Fremont St N
Lewiston, MN 55952

Jodi Wise
65 Fremont St N
Lewiston, MN 55952

Charles & Jennifer Matzke
4 Williams St
Lewiston, MN 55952

Randy & Debra Franzen
10 Williams St W
Lewiston, MN 55952

Eric & Mandra Gensmer Revocable Trust
12 Williams St
Lewiston, MN 55952

Doua Hang & Youa Xiong
14 Williams St
Lewiston, MN 55952

Heidi Meyer
20 Williams St
Lewiston, MN 55952

Division of Lands & Minerals
C/O Belem Escobedo-Ibbarra
500 Lafeyette Road
Saint Paul, MN 55155

Roy & Maren Kryzer
23811 County Rd 25
Lewiston, MN 55952

Eddie & Shelly Funk
25 Circle Ct
Lewiston, MN 55952

James Peterson
6200 Highway 14
Lewiston, MN 55952

APRS World, LLC
6300 Highway 14
Lewiston, MN 55952

David & Christine Butenhoff
6240 Highway 14
Lewiston, MN 55952

City of Lewiston
85 Fremont St N
Lewiston, MN 55952

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN to the Public that on Wednesday, April 8, 2026, Lewiston City Council will hold a public hearing submitted by Minnwest Bank for a Conditional Use Permit to allow a drive thru at 6205 Highway 14 on parcel: R25.0720020.

This public hearing will take place at the regular monthly meeting of the Lewiston City Council which will be held at Lewiston City Hall, 75 Rice Street. This meeting begins at 6:00 p.m. and other items are on the agenda.

Additional information on the project is available at City Hall. All interested parties are urged to attend the public hearing or submit comment via mail to: 75 Rice Street P.O. Box 129 Lewiston, MN 55952, by phone at 507-523-2257, or via email: rvarma@lewistonmn.gov.

Ragini Varma
City Administrator
Email: rvarma@lewistonmn.gov
Phone: 507-523-2257

Published in Lewiston Journal on March 26th, 2026

LEWISTON CITY COUNCIL

NOTICE TO ADJOINING PROPERTY OWNERS

An application for a Conditional Use Permit (CUP) has been received by Minnwest Bank to allow a drive thru at 6205 Highway 14 on parcel: R25.0720020.

A public hearing will be held by **Lewiston City Council on Wednesday, April 8, 2026**. The meeting begins at **6:00 pm** and additional items are on the agenda. The meeting will take place at the City Hall, 75 Rice Street, at which time you may appear if you so desire, either in person or by agent or attorney, in support of or in opposition to the proposed permit.

State law requires that property owners within 350 feet of the proposed Conditional Use Permit project be provided a notification of the public hearing which is why you have been sent this notice. The hearing of this request is not limited to those receiving copies of this notice, and if you know of any neighbor or affected property owner, who for any reason has not received a copy of this notice, it would be appreciated if you would inform them of this hearing.

Additional information on the project is available at City Hall. All interested parties are urged to attend the public hearing or submit comment via mail to: 75 Rice Street P.O. Box 129 Lewiston, MN 55952, by phone at 507-523-2257, or via email: rvarma@lewistonmn.gov

Ragini Varma
City Administrator
Email: rvarma@lewistonmn.gov
Phone: 507-523-2257

Welcome to LEWISTON MINNESOTA

ZONING & LAND USE APPLICATION

SITE PLAN

PROPERTY INFORMATION	
Property Address	6205 Hwy 14, Lewiston, MN 55952
Parcel ID Number	250720020

APPLICANT INFORMATION	
Name	Minnwest Bank c/o Dave Klun, Senior Facilities Planner
Address	1150 Yankee Doodle Road, Eagan, MN 55121
Phone	(651) 354-7191
Email	davek@minnwestbankgroup.com

OWNER INFORMATION	
Name	☑ *Same as applicant.*
Address	
Phone	
Email	

SITE PLAN DETAILS					
Type of Development	☐ Apartments		☑ Commercial	☐ Industrial	
Existing Use	Undeveloped B-1 Service Business District				
Proposed Use	Commercial business - Minnwest Bank Lewiston Branch				
Building – Area	4,890	*Square Feet*	Building – Footprint	4,890	*Square Feet*
Parking – Required	12	*Spaces*	Parking – Provided	30	*Spaces*

APPLICATION FEES			
Application	$200	Escrow	$1,000

ACKNOWLEDGEMENT

APPLICANT STATEMENT

This application should be processed in my name, and I am the party whom the City of Lewiston should contact about this application. I have completed all of the applicable filing requirements and, to the best of my knowledge, the documents and information I have submitted are true and correct.

Applicant Signature

1-27-2026
Date

OWNER STATEMENT

I am the owner of the above described property and I agree to this application. By signing this application, I certify that all fees, charges, utility bills, taxes, special assessments, and other debts or obligations due to the City of Lewiston by me or for this property are paid in full. I further certify that I am in compliance with all ordinance requirements and conditions regarding other City approvals that have been granted to me for any matter(s). (If corporation or partnership, a resolution authorizing this action from the board or partnership must be attached.)

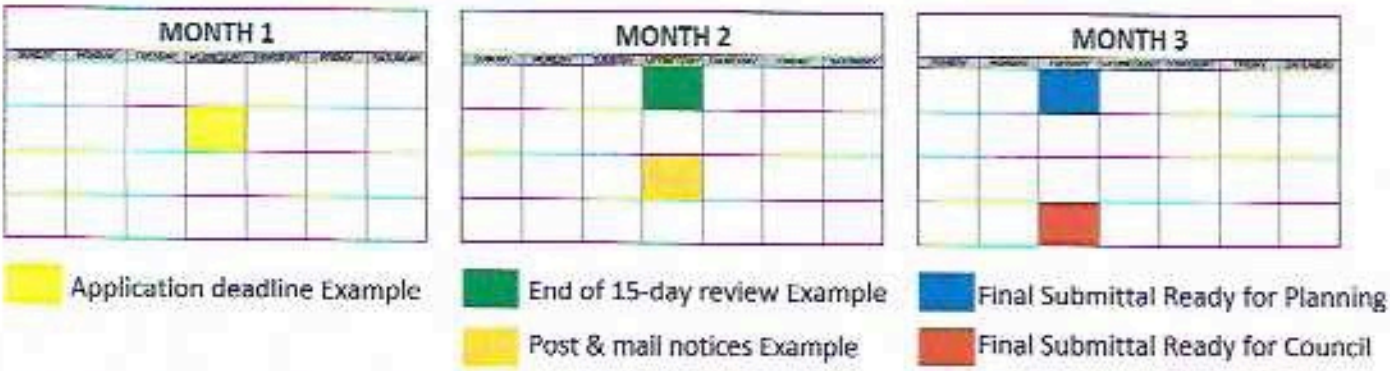
Applicant Signature

1-27-2026
Date

SUBMITTAL REQUIREMENTS	
Application Fee(s)	Non-refundable application fee and escrow.
Legal Description	A full legal description, as documented on property deed or certificate of title.
Boundary Survey	A Certificate of Survey prepared by a Registered Land Surveyor must be submitted. The survey must include: lot dimensions, platted and recorded easements and rights of way, existing and proposed structures or additions or other site improvements with dimensions to show size and location, structure setbacks from property lines, natural features, driveways and utilities.
Written Statement	This narrative shall describe the requested Site Plan approval and the intended use of the property, compatibility to the surrounding land uses, and a detailed justification as to why the City should consider and approve the request.
Vicinity Map	Aerial map showing the location of the property in relation to the City as a whole.
Site Plan	The Site Plan must be drawn with a straight edge and to a standard engineering scale. It must include the following: north arrow, lot lines with dimensions, streets and trails, driveway locations, natural features (wetlands, lakes, creeks, woodlands, etc.), existing and proposed structures or additions with property line setbacks, and easements, rights of way and public land dedications, if required.
Conditions Map	Maps showing existing and proposed uses on the site, including property boundaries, existing structures, open space, streets and trails, natural resources, 2-foot interval contours, hydrologic features (surface water, floodplain, wetlands, natural swales and drainage patterns), public utilities and easements.
Grading & Drainage	These plan pages must include the following: erosion and sediment control plan, proposed building pads, existing and proposed two (2) foot contours, location and size of existing and proposed pipes and treatment areas, floodplain information and stormwater engineering calculations.
Wetland Delineation	A wetland delineation report and appropriate documentation may be required. If required, the delineation must be staked in the field for City staff verification. Winona County must approve any required wetland mitigation.
Street & Utility Plan	Detailed location and size of facilities, designed to City engineering standards.
Tree Plan	Woodland Preservation, High Priority and Significant trees must be identified on the existing and proposed conditions plans, showing tree preservation and removals.
Landscape Plan	Species of all trees and plantings, irrigation and total value of landscaping.
Parking Plan	Location and amount of parking used to meet off-street requirements, including shared parking areas, loading/unloading areas, etc.
Lighting Plan	Type and location of lighting for streets, trails and parking areas. A Photometrics Plan to show the lightshed may also be required by the City.
Signage Plan	Type and location of all signs proposed with development. Plans must include height and sign area calculation tables. Sign plans must be in color.
Building Plans	Scaled floor plans and four (4) sided architectural elevations and color renderings for each and legend showing the type and location of materials to be used.
Phasing Plan	Map showing development sequencing, if applicable, serially numbered with a description of each phase, including dwelling units, proposed improvements and common facilities, and anticipated timeline(s) for each phase.
Mailing Labels	Mailing list, tables and map of names and addresses of property owners located within 350 feet of the subject property. Labels are available through Winona County website.
Submittal Format	One (1) Paper copy of application; three (3) full-size copies of plans and documents. Electronic copy (PDF and CAD) of application and documents.

All documents are public information and may be used in written reports and distributed to the public.

PROCESS



NOTICE TO APPLICANT



Proposed developments in Lewiston follow the same project management process from the initial idea and concept plan through the application phase to approvals and ultimately construction. All projects are reviewed individually and are evaluated based on their own merit(s). Applicants are required to meet with City staff prior to submitting their Land Use & Zoning application to discuss their proposed land use in an effort to reduce delays during the review and approval period. Concept Plans are generally required prior to formal application submittal. Participation in the pre-submittal meeting does not provide or guarantee approval of the request or project.

The City has 15 business days from the date of submittal to determine whether the application is complete. Once complete, the City has 60 to 120 days to approve or deny the request. Applicants may be required to submit additional information. City staff reserve the right to reject incomplete applications.

Public hearings, if required, are conducted by the City Council due to lack of quorum in Planning Commission. Notices are published in the newspaper and, if applicable, mailed to all property owners within 350 feet of the subject property. Any person has the option of providing comment in writing or in person at the public hearing. Public comments may be submitted in writing or verbally at the public hearing.

All expenses pertaining to application reviews are the responsibility of the applicant. Expenses include, but are not limited to: City staff and consultant time, legal review, notice publication and mailings, etc. The City may require additional escrow to cover expense(s) in excess of escrow fees paid at the time of application.

Welcome to LEWISTON MINNESOTA

ZONING & LAND USE APPLICATION
PROJECT TRACKING FORM

PROJECT NAME	
Project Name	*Official Use Only.*

APPLICATION	
Project Description	Construction of a new 4,890 SF bank with associated parking, drive aisles.
Application Type	Commercial Business - Minnwest Bank Lewiston Branch
Site Address or PIN	6205 Highway 14, Lewiston, MN 55952 I PID# 250720020

APPLICANT INFORMATION	
Name	Minnwest Bank c/o Dave Klun, Senior Facilities Planner
Address	1150 Yankee Doodle Road, Eagan, MN 55121
Phone	(651) 354-7191
Email	davek@minnwestbankgroup.com

APPLICANT STATEMENT

By signing this, I understand the City of Lewiston shall only return any unspent escrow funds to the Applicant listed above, unless otherwise authorized by the Applicant in writing. I also understand the Applicant listed above is solely responsible for providing additional escrow funds, if required by the City, related to the review of my Zoning & Land Use Application. Furthermore, I understand it shall be my responsibility to request, in writing to the attention of the City Administrator, return of unspent escrow funds.

Applicant Signature — *Date* 1-27-2026

APPLICANT INFORMATION					
Date Received		Check Amount	$	Check Number	

City Staff Signature — *Date*

PROJECT TRACKING			
Project Number		Submittal Date	
Application Fee	Initial Escrow	Escrow Deposit	Escrow Deposit
Date	Date	Date	Date
$	$	$	$
15 Day Review	60 Day Review	60 Day Extension	120 Day Review
Date	Date	Date	Date
Planning Commission	Date	City Council	Date
Development Agreement	Development Fees	Security	Mylars Recorded
Date	Date	Date	Date

January 27, 2026

City of Lewiston
Attn: Ragini Varma, City Administrator
75 Rice Street, PO Box 129
Lewiston, MN 55952
rvarma@lewistonmn.gov

RE: Minnwest Bank Lewiston Branch – Civil Submittal Cover Letter

Dear Ms. Varma,

We respectfully submit civil plans and supporting documents for development of the 6205 Highway 14, Lewiston, MN 55952 property. The site is currently zoned B-1 – Service Business District and is undeveloped. The site currently has a shared access off of Highway 14, which is the primary access. The secondary access to this site is via the shared access running east-west, south of the new City's EMS building. The recorded Easement Agreement is included in this submittal for reference, along with the Certificate of Survey.

The proposed use of the site is for a new branch of Minnwest Bank, which will consist of a 4,890 ft^2 building with associated parking and drive aisles. A drive-thru is incorporated on the west side of the building which will be canopied. Vehicles will enter the drive-thru through from the north off of the primary access, and flow through south and east around the building. Relevant site zoning information including required setbacks, lot coverage, heights, parking, and additional data can be found on the site plan. Sanitary sewer and water service is stubbed into the lot, which will be extended to the building. Private storm sewer will include two (2) surface yard drains and roof drain connections which will be tied to the trunk line running along the drive-thru on the west side of the building, outletting to the north side of the site at the natural low point.

The site is bound by Highway 14 to the north, B-1 parcels to the west and east, and R-1 parcels to the south. In accordance with Code, a fence not less than 6 feet, nor more than 8 feet in height is required to screen the B-1 tract from the R-1 to the south. A wood privacy fence, matching the City's EMS privacy fence, is proposed along the south property line. The wood privacy fence is also proposed along the west property line, up to the drive-thru radii tangent point, where a chain-link privacy fence (slatted) is planned to screen the bank from the 6240 Highway 14 property to the west.

Grading of the property works with the natural contour of the site. The parking lot area east of the building reaches the grassed swale that runs north-south. This swale was designed as a 'v-ditch' in the City's EMS grading plan, which, after discussion with the City Engineer, is permissible to be shaped into a 4' wide ditch which will improve conveyance and ease long-term maintenance activities. The parking lot area north of the building will reach the proposed curbline and flow west to a curb cut, outletting at the same natural low point as the private storm sewer. The greenspace areas south of the building will be shaped to drain to low points where surface yard inlets will capture runoff.

The following plans and reports are included for review:

- ❖ Civil Plans, consisting of:
  - ✓ Project Overview, Vicinity Map, Details & Typical Sections
  - ✓ Removals Plan (Existing Conditions)
  - ✓ Site Plan
  - ✓ Utility Plan
  - ✓ Screening Plan
  - ✓ Grading Plan
  - ✓ Erosion Control Plan
  - ✓ Storm Water Pollution Prevention Plan (SWPPP)
  - ✓ Standard Plates
- ❖ Drainage Report
- ❖ Certificate of Survey
- ❖ Easement Agreement (Shared Access with City of Lewiston)
- ❖ Building Elevations
- ❖ Minnwest Bank – St. Cloud Monument Sign & Photo (for reference)

Photometric plans are still in progress as well as 3D renderings of the building, and will be provided upon their completion. We will update the site plan with freestanding light poles once locations are finalized. Minnwest Bank provided us their St. Cloud monument sign plan and photo for reference, which they propose on the northwest side of the site, near the primary entrance (footing/foundation may vary). The monument sign will include a digital messaging board, similar to the reference plan.

Please accept this submittal and process reviews at your convenience. Let us know if you have any questions or need additional information. The executed zoning & land use application has been sent via email by Dave Klun this morning (1/27/26). Minnwest will coordinate payment of the application fee and escrow.

Sincerely,



Jason Kappers, PE

cc: Dave Klun – Minnwest
Kyle Rupprecht – Minnwest
Kristen Hochhalter – Minnwest
Kelly Rahe – Minnwest
Josefina Pozas – CRW
Jose Rivas – CRW

CONSTRUCTION PLANS FOR MINNWEST BANK – LEWISTON
CITY OF LEWISTON, MN

WARNING
BEFORE DIGGING CALL GOPHER STATE ONE CALL FOR LOCATIONS.
DIAL – 1-800-252-1166
REQUIRED BY LAW

BENCHMARK:
MNDOT GSID STATION # 99938
LEVELING-DERIVED ORTHOMETRIC
HEIGHT (FEET): 1221.937

OWNER
MINNWEST BANK
BOX 284
SLAYTON, MN 56172
CONTACT
DAVE KLUN, FACILITIES DIRECTOR
(651) 354-7191
davek@minnwestbankgroup.com

ARCHITECT
CRW ARCHITECTURE
211 11TH AVENUE NW
ROCHESTER, MN 55901
CONTACT
JOSEFINA POZAS, ASSOC. AIA
(507) 206-6201
jpozas@crwarchitecture.com

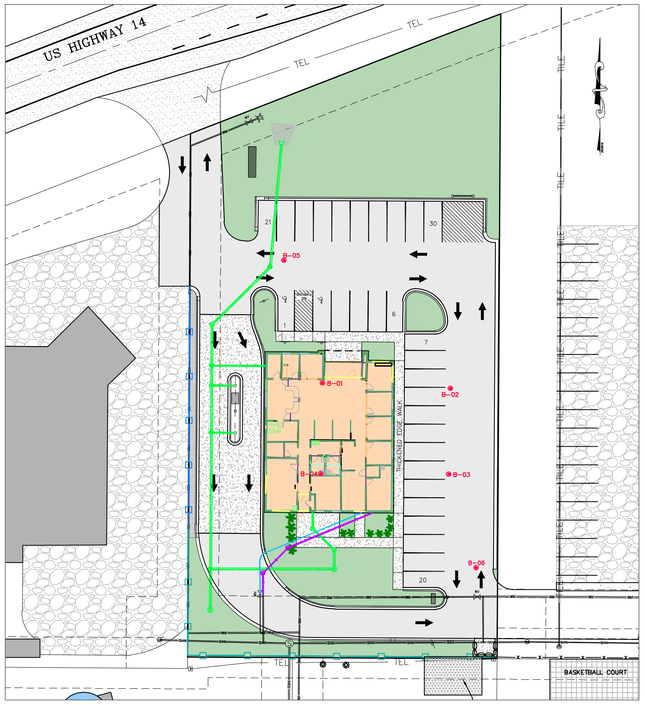
ENGINEER & SURVEYOR
G-CUBED INC.
14070 HWY. 52 SE
CHATFIELD, MN 55923
CONTACT
JASON KAPPERS, PE
(507) 867-1666 x104
jasonk@ggg.to

MECHANICAL ENGINEER
WIDSETH
1921 EXCEL DRIVE
MANKATO, MN 56001
CONTACT
KAEKO LEITCH, PE, LEED AP
(507) 519-3715
kaeko.leitch@widseth.com

STRUCTURAL ENGINEER
STRUCTURAL SERVICE & DESIGN, INC.
CONTACT
JEFFREY GISI, PE
jeff@ssdimn.com

GENERAL/BUILDING CONTRACTOR
TBD

PROJECT OVERVIEW
"NOT TO SCALE"



VICINITY MAP
"NOT TO SCALE"

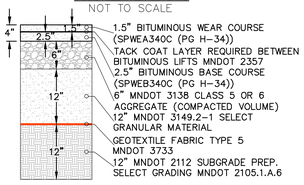


SECTION 14 T. 106 N., R. 09 W.

SHEET INDEX

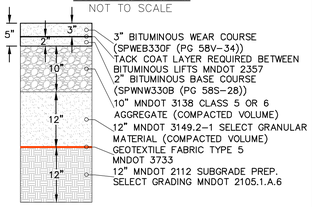
SHEET C0.00	TITLE SHEET, SHEET INDEX, VICINITY MAP, TYPICAL SECTIONS, DETAILS
SHEET C0.01	REMOVALS PLAN
SHEET C1.00	SITE PLAN
SHEET C1.01	UTILITY PLAN
SHEET C1.02	SCREENING PLAN
SHEET C2.00	GRADING PLAN
SHEET C2.01	EROSION CONTROL PLAN
SHEET C3.00	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
SHEET C3.01	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
SHEET C4.00	STANDARD PLATES & PLANS
SHEET C4.01	STANDARD PLATES & PLANS

LIGHT-DUTY FLEXIBLE PAVEMENT TYPICAL SECTION 1
NOT TO SCALE



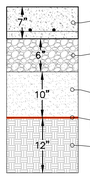
1.5" BITUMINOUS WEAR COURSE (SPWEA340C (PG H-34))
TACK COAT LAYER REQUIRED BETWEEN BITUMINOUS LIFTS MNDOT 2357
2.5" BITUMINOUS BASE COURSE (SPWEB340C (PG H-34))
6" MNDOT 3138 CLASS 5 OR 6 AGGREGATE (COMPACTED VOLUME)
12" MNDOT 3149.2-1 SELECT GRANULAR MATERIAL
GEOTEXTILE FABRIC TYPE 5 MNDOT 3733
12" MNDOT 2112 SUBGRADE PREP. SELECT GRADING MNDOT 2105.1.A.6

HEAVY-DUTY FLEXIBLE PAVEMENT TYPICAL SECTION 2
NOT TO SCALE

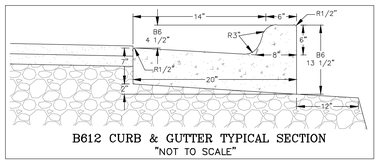


3" BITUMINOUS WEAR COURSE (SPWEB330F (PG 58V-34))
TACK COAT LAYER REQUIRED BETWEEN BITUMINOUS LIFTS MNDOT 2357
2" BITUMINOUS BASE COURSE (SPWNW330B (PG 58S-28))
10" MNDOT 3138 CLASS 5 OR 6 AGGREGATE (COMPACTED VOLUME)
12" MNDOT 3149.2-1 SELECT GRANULAR MATERIAL (COMPACTED VOLUME)
GEOTEXTILE FABRIC TYPE 5 MNDOT 3733
12" MNDOT 2112 SUBGRADE PREP. SELECT GRADING MNDOT 2105.1.A.6

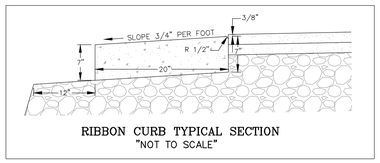
CONCRETE PAVEMENT TYPICAL SECTION
NOT TO SCALE



7" CONCRETE PAVEMENT MNDOT 2351 WITH EPOXY COATED #4 BARS 18" O.C. EACH WAY
6" MNDOT 3138 CLASS 5 OR 6 AGGREGATE (COMPACTED VOLUME)
10" MNDOT 3149.2-1 SELECT GRANULAR MATERIAL (COMPACTED VOLUME)
GEOTEXTILE FABRIC TYPE 5 MNDOT 3733
12" MNDOT 2112 SUBGRADE PREP. SELECT GRADING MNDOT 2105.1.A.6

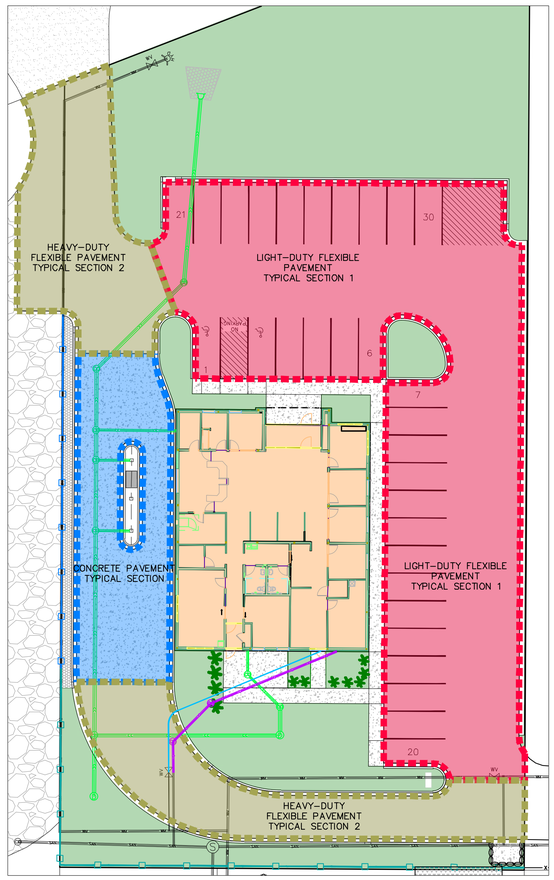


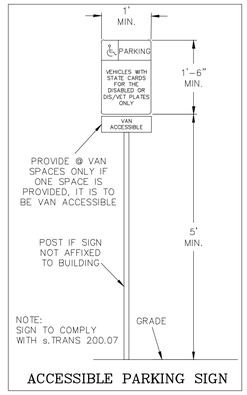
B612 CURB & GUTTER TYPICAL SECTION
"NOT TO SCALE"



RIBBON CURB TYPICAL SECTION
"NOT TO SCALE"

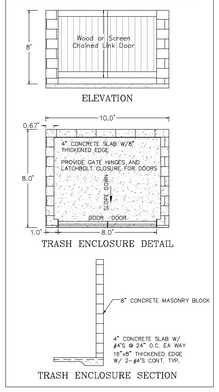
PAVING TYP. SECTION LOCATIONS



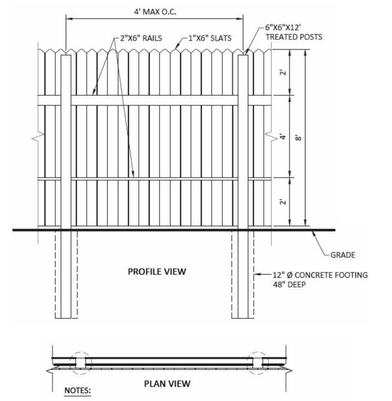


ACCESSIBLE PARKING SIGN

CONCRETE MASONRY BLOCK TRASH ENCLOSURE TYPICAL



WOOD PRIVACY FENCE DETAIL



NOTES:
- SLATS & RAILS TO BE CEDAR, POSTS TO BE TREATED TIMBER
- ALL HARDWARE AND FASTENERS SHALL BE DOUBLE DIPPED GALVANIZED, STAINLESS STEEL OR ALUMINUM
- WOOD SLATS TO FACE RIGHT-OF-WAY, POSTS AND RAILS TO FACE PROPERTY

CRW architecture + design group
211 11th ave nw
rochester, mn 55901
p. 507.206.6201
f. 507.206.4621
www.crwarchitecture.com

G-CUBED Engineering - Surveying - Planning
Structural Service & Design, Inc.
WIDSETH

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.

CONSTRUCTION

JASON KAPPERS, P.E.
62741 — NUMBER
03/02/26 — DATE

MINNWEST BANK
LEWISTON BRANCH
LEWISTON, MINNESOTA

PROJECT NUMBER 25-143
DATE Issue Date
DRAWN BY JWK
CHECKED BY GGG

ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE
02	CITY COMMENTS	03/02/26
01	DESIGN DEVELOPMENT	02/13/26
No.	ISSUED FOR	DATE

TITLE SHEET, DETAILS

SHEET NUMBER
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OF 11 SHEETS

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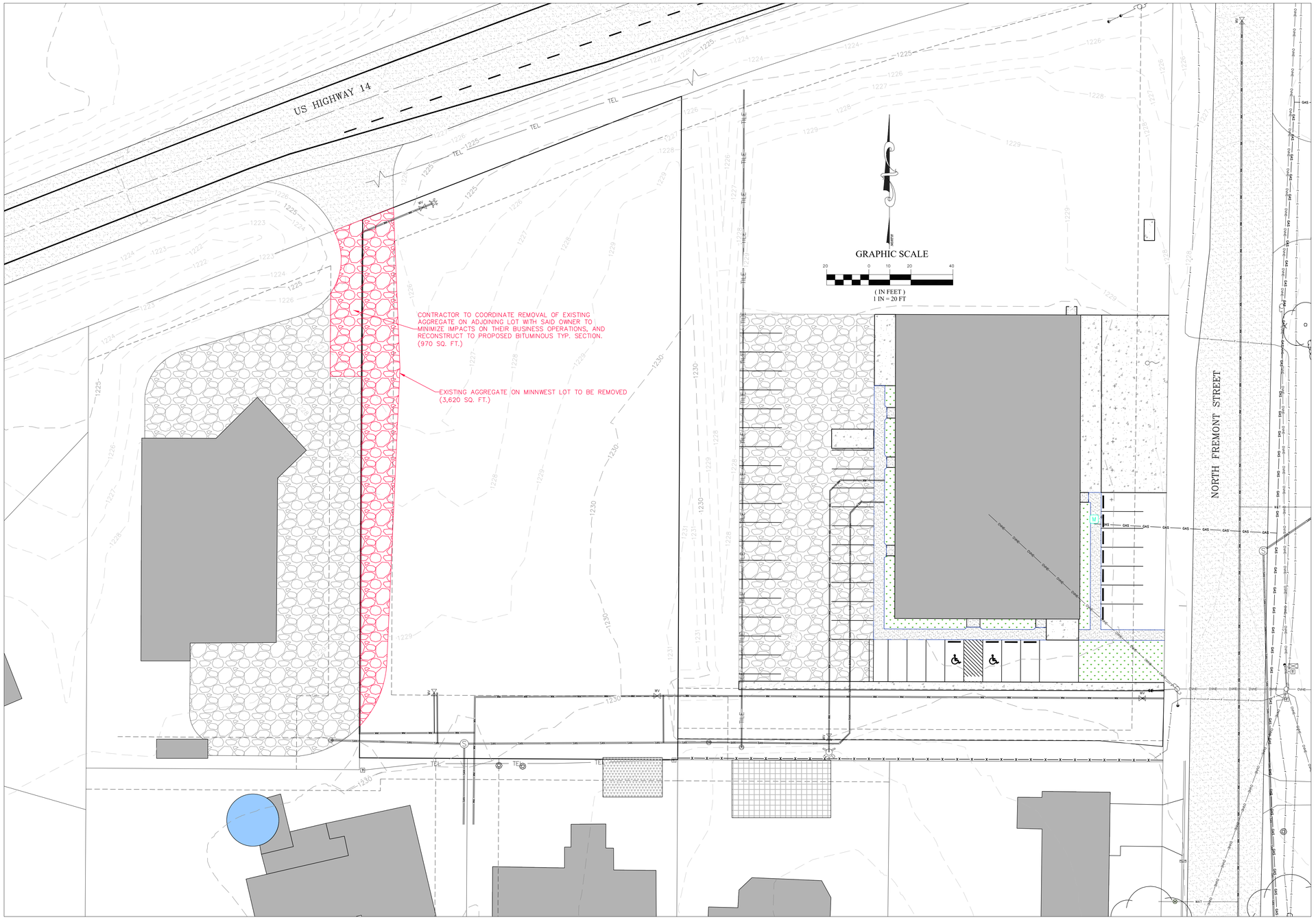
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03/2026 10:49 AM

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DIAL – 1-800-252-1166
REQUIRED BY LAW

BENCHMARK:
MNDOT GSID STATION # 99938
LEVELING-DERIVED ORTHOMETRIC HEIGHT (FEET): 1221.937



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REMOVALS PLAN

SHEET NUMBER
C0.01
OF 11 SHEETS

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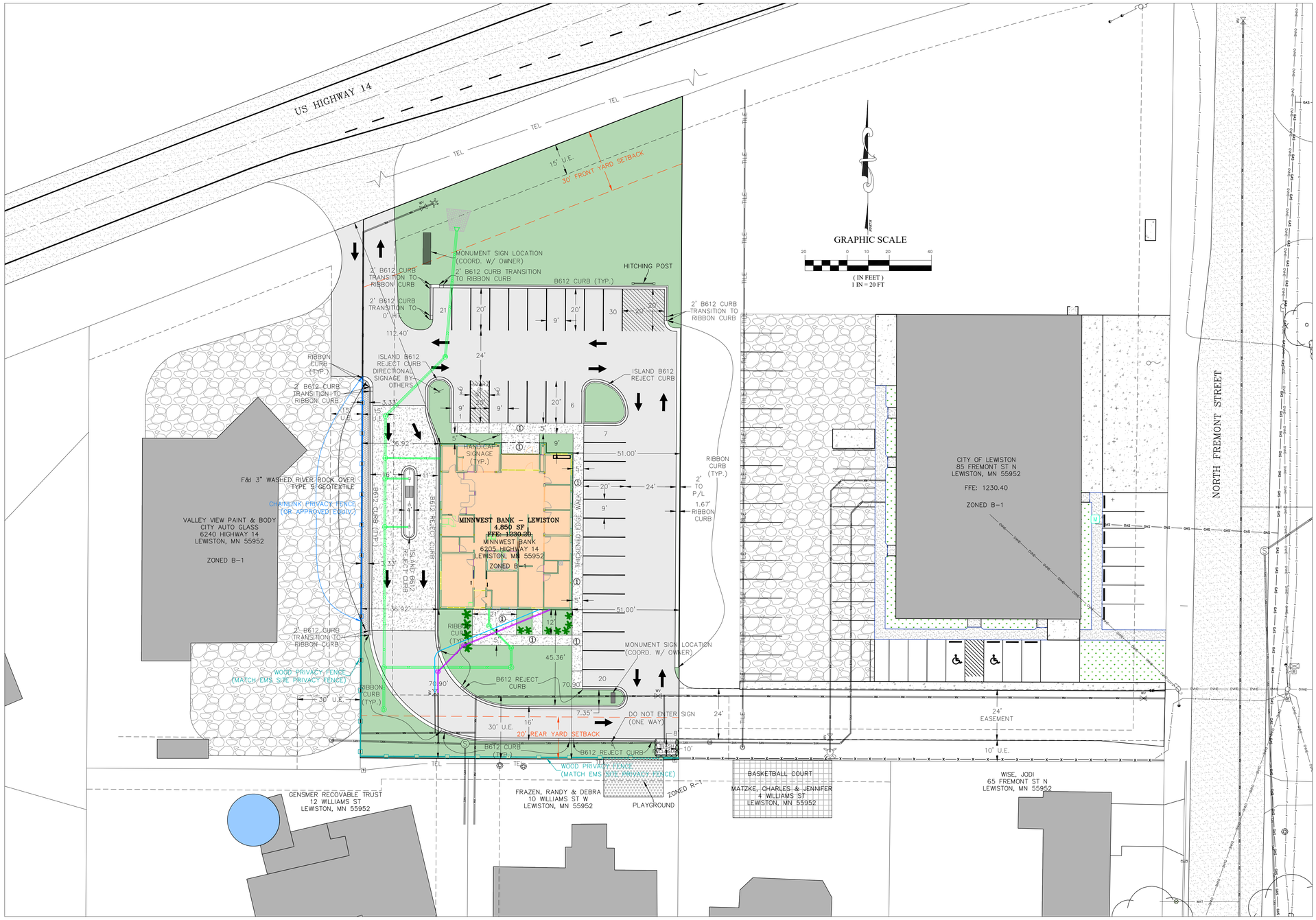
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SITE & UTILITY PLAN LEGEND

- WATER HYDRANT & GATE VALVE
- SANITARY MANHOLE
- STORM MANHOLE & CATCHBASIN
- SIGNS
- GAS VALVE
- COMMUNICATIONS BOX
- ELECTRIC POLE
- LIGHT POLE
- TREE
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED WATER SERVICE
- PROPOSED SANITARY SERVICE
- PROPOSED STORM SEWER
- OVERHEAD ELECTRIC LINES
- UNDERGROUND ELECTRIC LINES
- UNDERGROUND COMMUNICATIONS LINE
- PRIVACY FENCE
- GAS LINE
- EASEMENT LINE
- SETBACK LINE
- EXISTING BITUMINOUS SURFACING
- EXISTING CONCRETE SURFACING
- EXISTING AGGREGATE SURFACING
- PROPOSED BITUMINOUS DRIVES/PARKING
- PROPOSED CONCRETE
- PROPOSED BUILDING
- GREENSPACE



SITE ZONING INFORMATION

- CURRENT ZONING: B-1 SERVICE BUSINESS DISTRICT
- SITE ADDRESS: 6205 HIGHWAY 14, LEWISTON, MN 55952
- LOT 1, BLOCK 2, MIDDLE VIEW FIRST ADDITION
- THIS PROJECT IS FOR THE CONSTRUCTION OF A BANK AND ASSOCIATED PARKING LOT AND DRIVE AISLES.

MINIMUM SETBACK FROM PROPERTY LINES (152.137)
- REQUIRED FRONT YARD: 30 FEET
- MINIMUM REQUIRED SIDE YARD: 0-10 FEET
- MINIMUM REAR YARD: 20 FEET

BASE SITE AREA: 43,219 SQ FT (0.99 ACRES)
- NOT MORE THAN 50% OF LOT SHALL BE OCCUPIED BY BUILDINGS (BUILDING COVER PROPOSED 12%)
- PROPOSED MAX HEIGHT OF BUILDING = 18'
- PERMITTED MAX. HEIGHT OF BUILDING < 30' WHEN WHEN ABUTTING R-1 DISTRICT

PARKING (152.138):
-PARKING STALLS SHALL BE 9' WIDE x 20' LONG.
-(K) PROFESSIONAL OFFICES: 4 PARKING SPACES + 1 PARKING SPACE FOR EACH 500 SQ. FT. OF FLOOR AREA OVER 1,000 SQ. FT.
= 4 STALLS + (4,890 SQ. FT – 1,000 SQ. FT.)/500 SQ. FT. x 1 STALL
= 12 STALLS REQUIRED, 30 PROVIDED
-REQUIRED HANDICAP PARKING SPACES: 2 MINIMUM (PER ADAAG 4.1.2) (2 HANDICAP STALLS PROVIDED)
-HANDICAP PARKING SPACES SHALL HAVE SIGNS SET BETWEEN 60 AND 66 INCHES ABOVE GROUND LEVEL DENOTING "HANDICAP PARKING, VEHICLE ID REQUIRED, UP TO $200 FINE FOR VIOLATION"
-IF SIGNAGE WOULD OBSTRUCT A CURB RAMP AND/OR PEDESTRIAN ROUTE, THE SIGNAGE CAN BE OMITTED IF "NO PARKING" IS PROVIDED ON THE SURFACE OF THE ACCESS AISLE.

① BUILDING PERIMETER HEATED SIDEWALK (HYDRONIC SYSTEM; COORD. WITH MECHANICAL/PLUMBER FOR INSTALLATION SPECIFICATIONS)

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SITE PLAN

SHEET NUMBER
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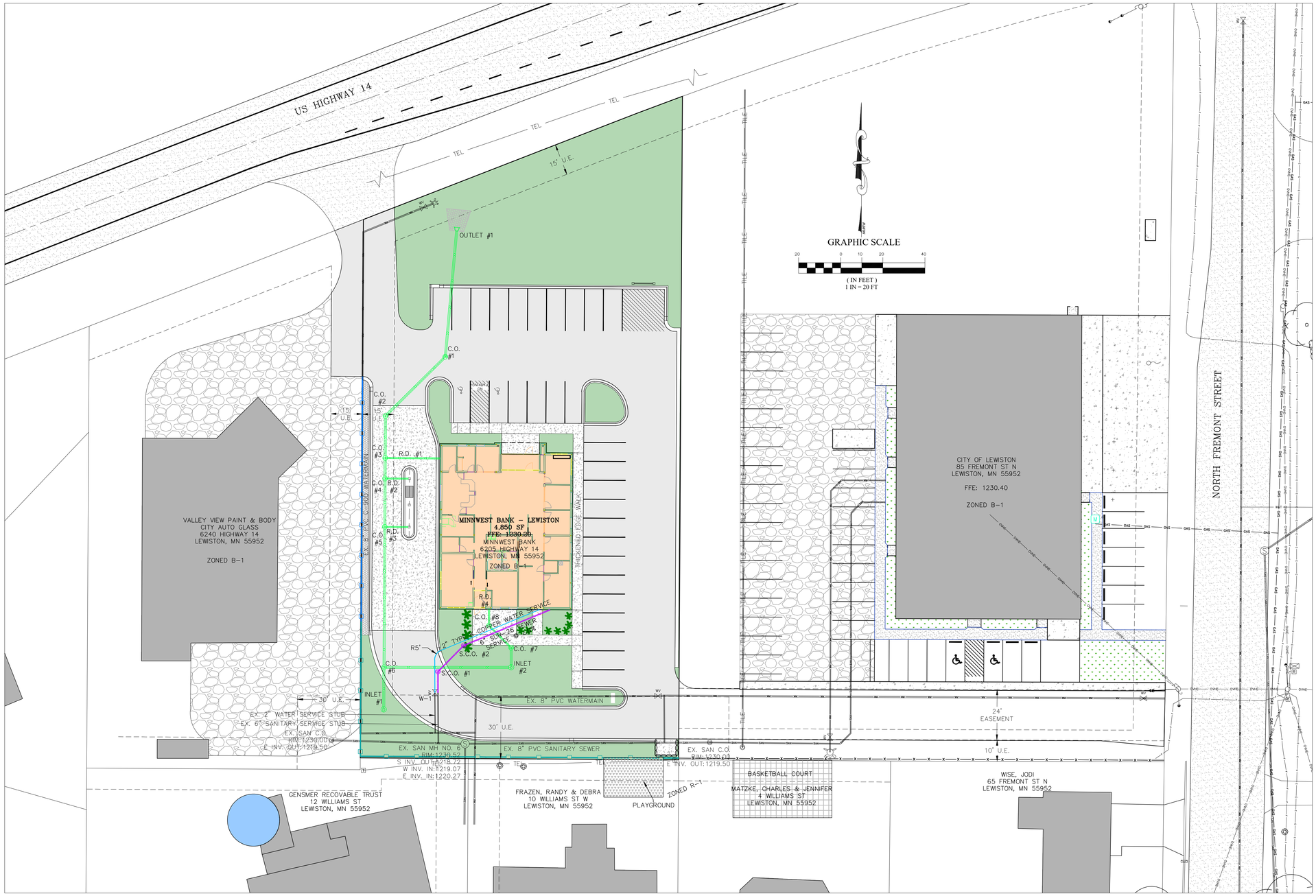
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SITE & UTILITY PLAN LEGEND

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- SANITARY MANHOLE
- STORM MANHOLE & CATCHBASIN
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- GAS VALVE
- COMMUNICATIONS BOX
- ELECTRIC POLE
- LIGHT POLE
- TREE
- WM — EXISTING WATERMAIN
- SAN — EXISTING SANITARY SEWER
- STORM — EXISTING STORM SEWER
- PROPOSED WATER SERVICE
- PROPOSED SANITARY SERVICE
- PROPOSED STORM SEWER
- OVHE — OVERHEAD ELECTRIC LINES
- U.E. — UNDERGROUND ELECTRIC LINES
- TEL — UNDERGROUND COMMUNICATIONS LINE
- PRIVACY FENCE
- GAS — GAS LINE
- EASEMENT LINE
- SETBACK LINE
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- EXISTING CONCRETE SURFACING
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LEVELING-DERIVED ORTHOMETRIC HEIGHT (FEET): 1221.937



SANITARY SEWER SERVICE NOTES:

1) SANITARY SEWER SERVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY ENGINEERS ASSOCIATION OF MINNESOTA [CEAM] STANDARD SPECIFICATIONS, 2023 EDITION; ADHERING TO THE SUCCEEDING NOTES:
2) SANITARY SEWER SERVICE PIPE SHALL BE 6" SDR-26 PVC UNLESS OTHERWISE SPECIFIED.
3) GREEN TRACER WIRE SHALL BE INSTALLED ALONG THE SEWER SERVICE LENGTH (SEE DETAIL)
4) CLEANOUTS SHALL BE INSTALLED AT MAXIMUM INTERVALS OF 100 FEET, AT BENDS AND AT ANY WYES. SANITARY CLEANOUTS PER ROCH. STD. PLATE 1-06.

CONNECTION:
REMOVE 6" PLUG, CONNECT TO EXISTING STUB @ INV. 1220.30 (FIELD VERIFY INVERT)
F&I 10LF 6" SDR-26 PVC @ 2.00% TO S.C.O. #1

S.C.O. #1
DETECTABLE CAP ELEV.:1229.07
S INV. OUT (TO EX. SAN STUB):1220.50
NE INV. IN (TO S.C.O. #2):1220.60
F&I 17.5LF 6" SDR-26 PVC @ 2.00% TO S.C.O. #2

S.C.O. #2
DETECTABLE CAP ELEV.:1229.18
SW INV. OUT (TO S.C.O. #1):1220.95
NE INV. IN (TO BLDG):1221.05
F&I 44.5LF 6" SDR-26 PVC @ 2.00% TO BLDG.
INV. 1221.94

WATER SERVICE NOTES:

1) WATER SERVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY ENGINEERS ASSOCIATION OF MINNESOTA [CEAM] STANDARD SPECIFICATIONS, 2023 EDITION; ADHERING TO THE SUCCEEDING NOTES:
2) WATER SERVICE PIPE SHALL BE 2" TYPE K COPPER UNLESS OTHERWISE SPECIFIED. MINIMUM BEND RADIUS SHALL BE 5', UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3) THE MINIMUM REQUIRED BURY DEPTH FOR WATER SERVICE IS 7.5 FEET.

W-1
REMOVE 2" PLUG, CONNECT TO EXISTING STUB
F&I 72LF 2" TYPE K COPPER TO TO BLDG.

STORM SEWER NOTES:

1) STORM SEWER SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY ENGINEERS ASSOCIATION OF MINNESOTA [CEAM] STANDARD SPECIFICATIONS, 2023 EDITION; ADHERING TO THE SUCCEEDING NOTES:
2) TRACER WIRE SHALL BE INSTALLED ON ALL STORM SEWER INSTALLATIONS.
3) PVC STORM SEWER PIPE SHALL CONFORM TO ASTM D3034 AND ASTM F679.

OUTLET #1
F&I 12" METAL APRON WITH TRASH GUARD
INV.:1225.00
F&I 60LF 12" DUAL-WALL HDPE @ 0.5% TO C.O. #1

C.O. #1
DETECTABLE CAP ELEV.:1228.58
N INV. OUT (TO OUTLET #1):1225.30
SW INV. IN (FROM C.O. #2):1225.30
F&I 40LF 12" DUAL-WALL HDPE @ 0.5% TO C.O. #2

C.O. #2
DETECTABLE CAP ELEV.:1228.37
NE INV. OUT (TO OUTLET #1):1225.50
S INV. IN (FROM C.O. #2):1225.50
F&I 20LF 12" DUAL-WALL HDPE @ 0.5% TO C.O. #3

C.O. #3
DETECTABLE CAP ELEV.:1228.93
N INV. OUT (TO C.O. #2):1225.60
S INV. IN (FROM C.O. #4):1225.60
E INV. IN (FROM R.D. #1):1225.93
F&I 9.75LF 12" DUAL-WALL HDPE @ 0.51% TO C.O. #4
F&I 26LF 8" SCH. 40 PVC @ 4.88% TO R.D. #1 (INV. 1227.2)

C.O. #4
DETECTABLE CAP ELEV.:1228.98
N INV. OUT (TO C.O. #3):1225.65
S INV. IN (FROM C.O. #5):1225.65
E INV. IN (FROM R.D. #2):1225.98
F&I 23LF 12" DUAL-WALL HDPE @ 0.52% TO C.O. #5
F&I 11.1LF 8" SCH. 40 PVC @ 10.99% TO R.D. #2 (INV. 1227.2)

STORM SEWER NOTES (CONTINUED):

C.O. #5
DETECTABLE CAP ELEV.:1229.09
N INV. OUT (TO C.O. #4):1225.77
S INV. IN (FROM C.O. #6):1225.77
E INV. IN (FROM R.D. #3):1226.10
F&I 66.75LF 12" DUAL-WALL HDPE @ 0.49% TO C.O. #5
F&I 11.1LF 8" SCH. 40 PVC @ 9.91% TO R.D. #3 (INV. 1227.2)

C.O. #6
DETECTABLE CAP ELEV.:1228.92
N INV. OUT (TO C.O. #5):1226.10
S INV. IN (FROM INLET #1):1226.10
E INV. IN (FROM INLET #2):1226.10
F&I 20LF 12" DUAL-WALL HDPE @ 0.5% TO INLET #1
F&I 60.5LF 12" DUAL-WALL HDPE @ 0.5% TO INLET #2

INLET #1
F&I NYLOPLAST 18" DRAIN BASIN WITH PEDESTRIAN GRATE
PART#/PREFIX: 2818AG___X
GRATE: 1228.20
N INV. OUT (TO C.O. #6): 1226.20
BUILD: 2.50 (WITH 6" SUMP)

INLET #2
F&I NYLOPLAST 18" DRAIN BASIN WITH PEDESTRIAN GRATE
PART#/PREFIX: 2818AG___X
GRATE: 1228.50
W INV. OUT (TO C.O. #5): 1226.40
N INV. IN (FROM C.O. #6): 1226.73
BUILD: 2.60 (WITH 6" SUMP)
F&I 9.3LF 8" SCH. 40 PVC @ 1.4% TO C.O. #7

C.O. #7
DETECTABLE CAP ELEV.:1229.59
S INV. OUT (TO INLET #2): 1226.86
NW INV. IN (FROM C.O. #8):1226.86
F&I 14.9LF 8" SCH. 40 PVC @ 1.5% TO C.O. #8

C.O. #8
DETECTABLE CAP ELEV.:1230.10
SE INV. OUT (TO C.O. #7):1227.08
N INV. IN (FROM R.D. #4):1227.08
F&I 7.7LF 8" SCH. 40 PVC @ 1.56% TO R.D. #4 (INV. 1227.2)

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CONSTRUCTION

JASON KAPPERS, P.E.
62741 — NUMBER
03/02/26 — DATE

MINNWEST BANK
LEWISTON BRANCH
LEWISTON, MINNESOTA

PROJECT NUMBER: 25-143
DATE: Issue Date
DRAWN BY: JWK
CHECKED BY: GGG
ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE
02	CITY COMMENTS	03/02/26
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No.	ISSUED FOR	DATE

UTILITY PLAN

SHEET NUMBER
C1.01
OF 11 SHEETS

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WARNING
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BENCHMARK:
MNDOT GSID STATION # 99938
LEVELING-DERIVED ORTHOMETRIC
HEIGHT (FEET): 1221.937

SITE & UTILITY PLAN LEGEND

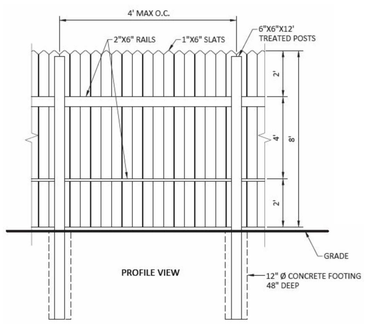
- WATER HYDRANT & GATE VALVE
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- SIGNS
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- ELECTRIC POLE
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- EXISTING AGGREGATE SURFACING
- PROPOSED BITUMINOUS DRIVES/PARKING
- PROPOSED CONCRETE
- PROPOSED BUILDING
- GREENSPACE

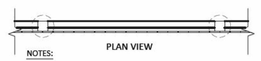
BUFFER YARDS REQUIRED: ADJACENT ZONING:
WEST & EAST IS ZONED B-1, SOUTH IS ZONED R-1
SOUTH BUFFER TO R-1:
- A FENCE NOT LESS THAN 6 FEET, NOR MORE THAN 8 FEET IN HEIGHT, WHICH IS DESIGNED IN A MANNER COMPATIBLE WITH BOTH THE PROPOSED BUILDING AND ANY FENCES OR THE IMMEDIATELY ADJACENT OUTSIDE COVERING OF HOMES OR OTHER BUILDINGS IN THE RESIDENTIAL DISTRICT.

NOTE:
REFERENCE DETAIL BELOW FOR THE WOOD PRIVACY FENCE DETAIL
(MATCH CITY OF LEWISTON SITE EMS SITE FENCE)

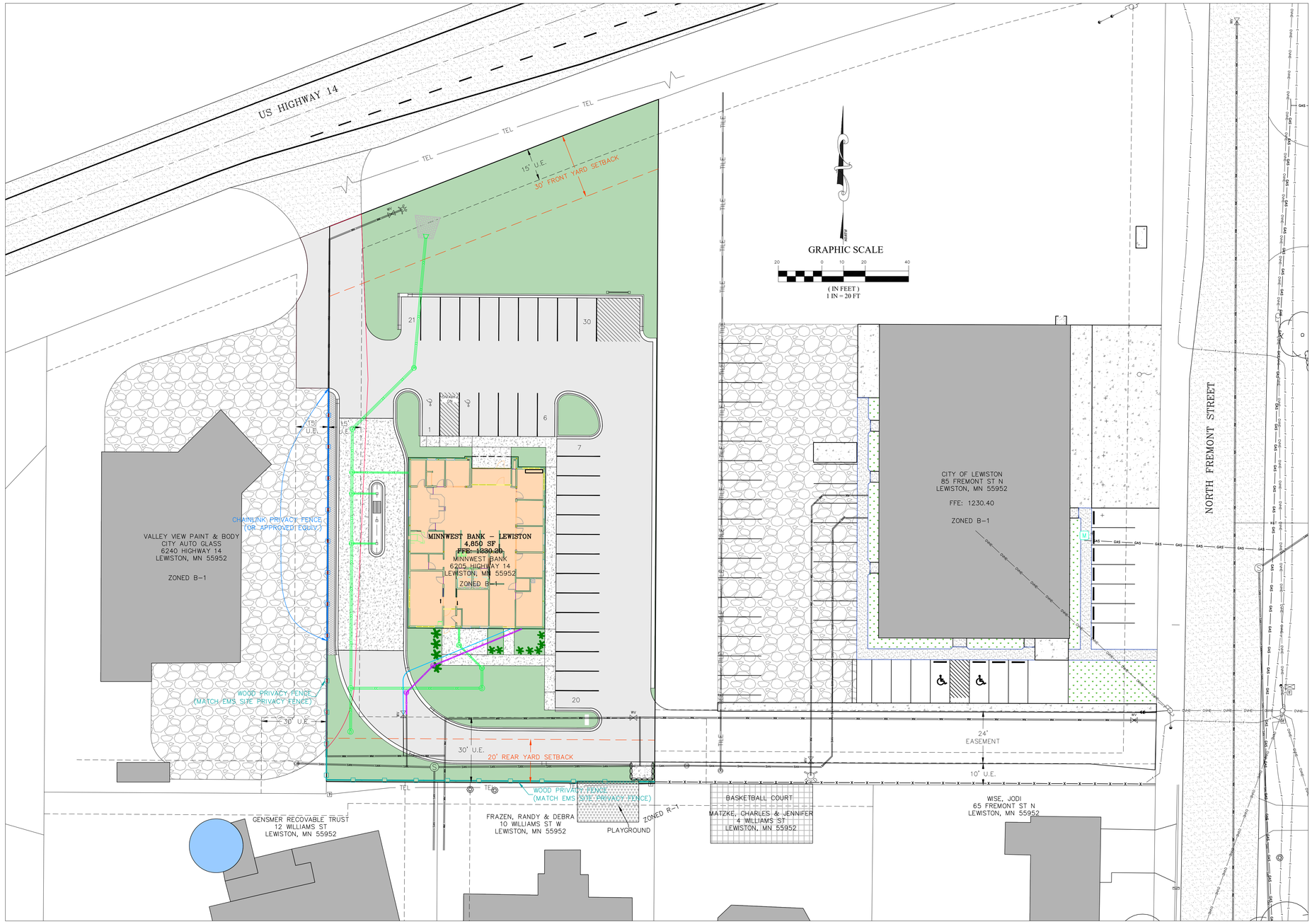
COORDINATE STYLE AND DESIGN OF CHAINLINK PRIVACY FENCE SHOWN ALONG WEST PROPERTY LINE WITH OWNER.

WOOD PRIVACY FENCE DETAIL





NOTES:
- SLATS & RAILS TO BE CEDAR, POSTS TO BE TREATED TIMBER
- ALL HARDWARE AND FASTENERS SHALL BE DOUBLE DIPPED GALVANIZED, STAINLESS STEEL OR ALUMINUM
- WOOD SLATS TO FACE RIGHT-OF-WAY, POSTS AND RAILS TO FACE PROPERTY



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LEWISTON BRANCH
LEWISTON, MINNESOTA

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CHECKED BY: GGG

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SCREENING PLAN

SHEET NUMBER
C1.02
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GRADING–EROSION CONTROL PLAN LEGEND

- WATER HYDRANT & GATE VALVE
- SANITARY MANHOLE
- STORM MANHOLE & CATCHBASIN
- SIGNS
- GAS VALVE
- COMMUNICATIONS BOX
- ELECTRIC POLE
- LIGHT POLE
- TREE
- WM — EXISTING WATERMAIN
- SAN — EXISTING SANITARY SEWER
- STORM — EXISTING STORM SEWER
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- TEL — UNDERGROUND COMMUNICATIONS LINE
- PRIVACY FENCE
- GAS — GAS LINE
- EASEMENT LINE
- SETBACK LINE
- 1250 — MAJOR CONTOUR & LABEL
- 1248 — MINOR CONTOUR & LABEL
- 1250 — PROPOSED MAJOR CONTOUR & LABEL
- 1248 — PROPOSED MINOR CONTOUR & LABEL
- EXISTING BITUMINOUS SURFACING
- EXISTING CONCRETE SURFACING
- EXISTING AGGREGATE SURFACING
- PROPOSED DRIVES/PARKING
- PROPOSED BUILDING
- GREENSPACE
- SILT FENCE (PER CITY STD. PLATE 3–402)
- GL — GRADING LIMITS
- X 1060.00 — EXISTING SPOT ELEVATION
- X 1060.00 — PROPOSED SPOT ELEVATION
- 2.00% — PROPOSED SLOPE
- INLET PROTECTION (PER MNDOT 5–297.405)
- EROSION CONTROL BLANKET (PER MNDOT 3885 CAT. 20)
- ROCK CONSTRUCTION ENTRANCE (PER CITY PLATE 3–502)
- RIP RAP (PER MNDOT 3134D)
- WOOD FIBER SEDIMENT CONTROL LOG (PER MNDOT STANDARD PLAN 5–297.405)

IMPAIRED WATERS WITHIN ONE MILE:
NONE

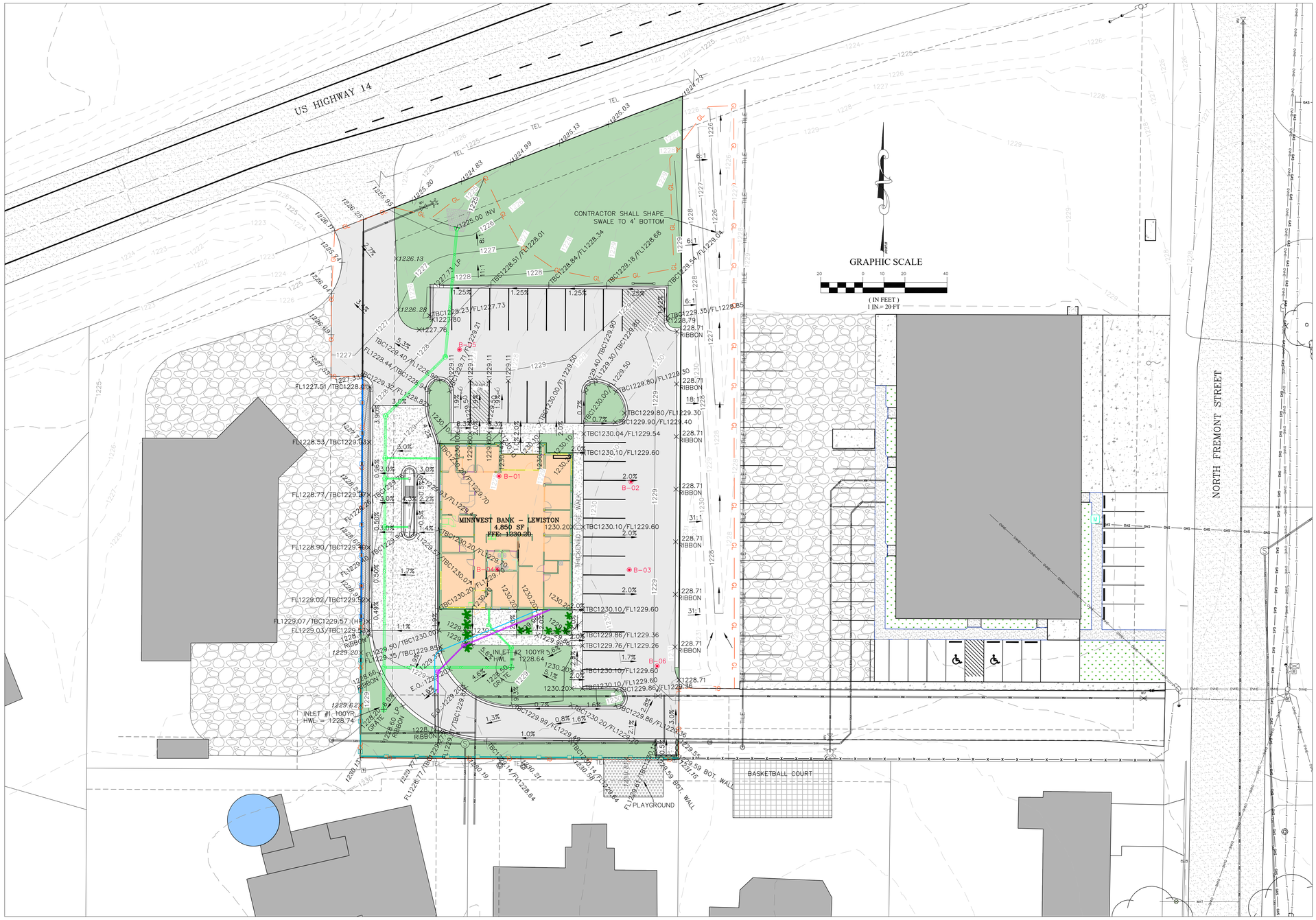
SPECIAL WATERS WITHIN ONE MILE:
NONE

PROJECT CALCULATIONS:
TOTAL PARCEL AREA: 0.99 ACRES
TOTAL DISTURBED AREA: 1.04 ACRES
EXISTING IMPERVIOUS (PID#250720020): 0.08 ACRES
TOTAL IMPERVIOUS (PID#250720020): 0.66 ACRES
NEW IMPERVIOUS (PID#250720020): 0.58 ACRES

QUANTITIES:
1x ROCK CONSTRUCTION ENTRANCE
2x INLET PROTECTION (INLET #1, INLET #2)
TEMPORARY SEEDING: 0.3 ACRES
PERMANENT SEEDING: 0.3 ACRES
EROSION CONTROL BLANKET: 1,590 SY
BIOROLL: 36 LF
SILT FENCE: 180 LF
*RAW CUT: 683 CY
*RAW FILL: 915 CY
*FROM EXISTING –> FINISHED GROUND

ABBREVIATIONS DEFINED:
HP: HIGH POINT
LP: LOW POINT
EO: EMERGENCY OVERFLOW

NOTE: REFERENCE SHEET 8 – EROSION CONTROL PLAN FOR GENERAL CONSTRUCTION & EROSION CONTROL NOTES.



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LEWISTON, MINNESOTA

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CHECKED BY: GGG

ISSUE/REVISION HISTORY

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GRADING PLAN

SHEET NUMBER
C2.00
OF 11 SHEETS

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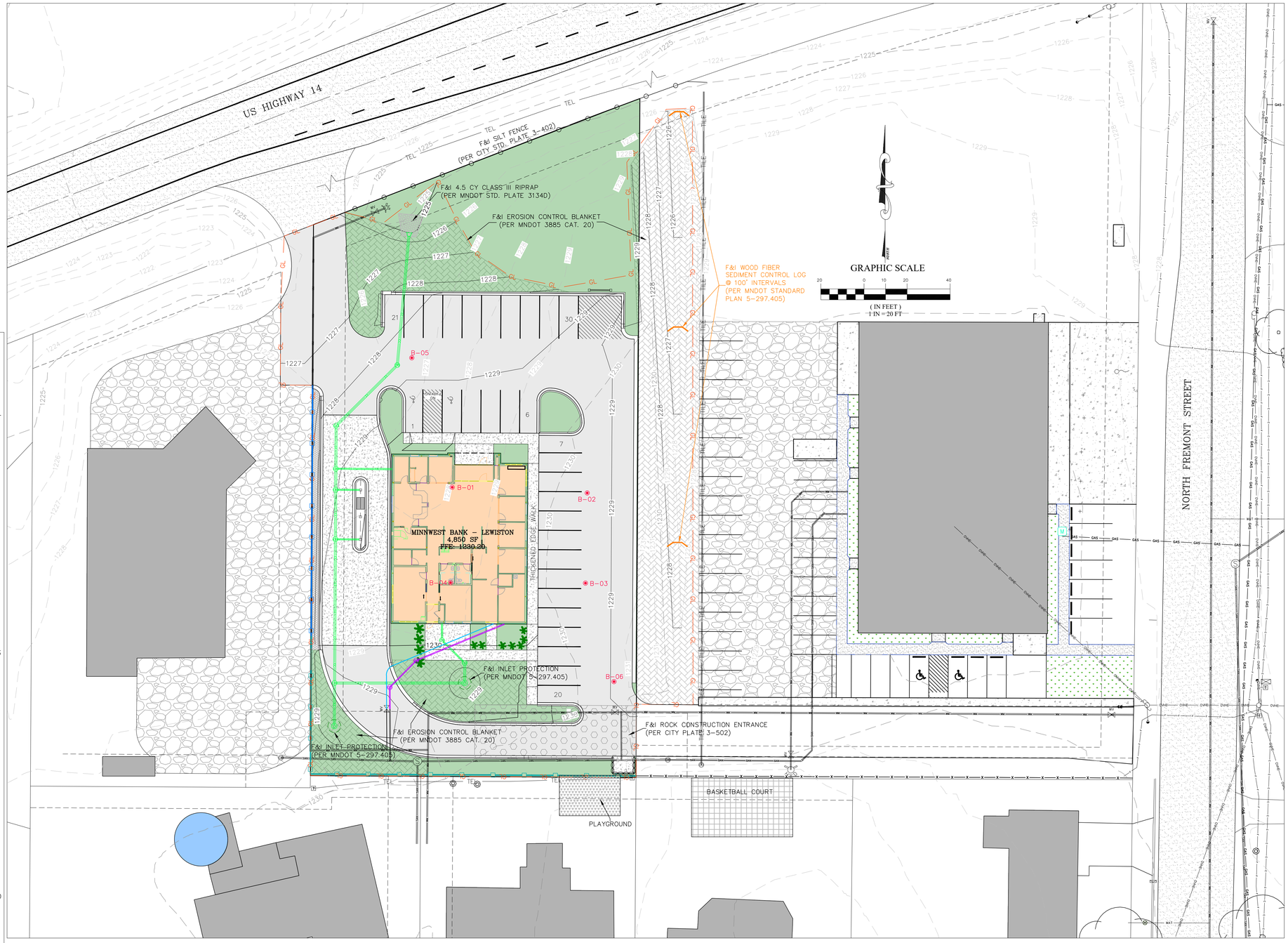
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GRADING–EROSION CONTROL PLAN LEGEND

- WATER HYDRANT & GATE VALVE
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- ROCK CONSTRUCTION ENTRANCE (PER CITY PLATE 3–502)
- RIP RAP (PER MNDOT 3134D)
- WOOD FIBER SEDIMENT CONTROL LOG (PER MNDOT STANDARD PLAN 5–297.405)

GENERAL EROSION CONTROL AND CONSTRUCTION NOTES:

1) PLACE MACHINE SLICED SILT FENCE AS SHOWN ON THE PLANS AND WHERE DIRECTED BY THE ENGINEER, AT TOE OF FILL SLOPES AND MAINTAIN UNTIL TURF HAS BEEN WELL ESTABLISHED. (INSTALLATION OF SILT FENCE MUST TAKE PLACE PRIOR TO DISTURBING THE WATERSHED). INSTALL AND MAINTAIN INLET PROTECTION AT ALL INLETS LOCATED WITHIN THE PROJECT AND IMMEDIATELY DOWNSTREAM OF THE PROJECT.
2) CONSTRUCT AND MAINTAIN TEMPORARY ROCK CONSTRUCTION ENTRANCE AT ALL CONSTRUCTION ENTRANCES USED DURING CONSTRUCTION TO CONTROL SEDIMENT FROM LEAVING SITE PER ROCHESTER STD. PLATE 7–06, CLOSE OTHER ENTRANCES WITH SILT FENCE.
3) REMOVE ALL TOPSOIL AND ORGANIC MATERIAL. STOCKPILE IN APPROVED LOCATIONS ON–SITE. PROVIDE PERIMETER CONTROL AROUND ALL STOCKPILES. PROVIDE TEMPORARY COVER IF STOCKPILE WILL BE INPLACE MORE THAN 14 DAYS.
4) ALL EXCAVATED MATERIAL SHALL BE PLACED ON SITE AS DIRECTED BY THE ENGINEER OR HAULED TO AN APPROVED LOCATION. ANY TEMPORARY STOCKPILES SHALL HAVE SILT FENCE INSTALLED AROUND THE DOWN SLOPE EDGE TO PREVENT DOWNSTREAM SEDIMENTATION. TEMPORARY COVER SHALL BE ESTABLISHED AFTER 14 DAYS.
5) ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION BUT IN NO CASE LATER THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
6) THE CONTRACTOR SHALL ROUTINELY INSPECT THE CONSTRUCTION SITE ONCE EVERY 7 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. ALL INSPECTIONS AND MAINTENANCE CONDUCTED DURING CONSTRUCTION MUST BE RECORDED IN WRITING.
7) THIS PROJECT DOES REQUIRE AN NPDES PERMIT BASED ON AREA DISTURBED BUT DOES NOT REQUIRE PERMANENT STORM WATER TREATMENT DUE TO THE INCREASE IN IMPERVIOUS SURFACING BEING LESS THAN ONE ACRE. A SWPPP HAS BEEN PREPARED FOR THIS PROJECT AND SHALL BE PART OF THESE PLANS. BEST MANAGEMENT PRACTICES BEYOND WHAT MAY BE SHOWN ON THIS PLAN OR WITHIN THE SWPPP SHOULD BE CONSIDERED IF GRADING CAUSES EROSION NOT CONTAINED BY MEASURES SHOWN ON THIS PLAN.
8) RESPREAD TOPSOIL (6" MIN. UNLESS SOD IS PLACED, THEN 4"), FERTILIZE, SEED, & DISK ANCHOR MULCH ALL DISTURBED AREAS. SOD OR SEED WITH MNDOT MIXTURE 25–131 WITH THE FOLLOWING ADDITIONS.
   FERTILIZER SHALL BE 24–12–24 AND BE APPLIED AT A RATE OF 300 LBS/ACRE.
   SOUTHERN BOULEVARD MIX SEED SHALL BE APPLIED AT A RATE OF 160 LBS/ACRE.
   WET DITCH MIX SEED SHALL BE APPLIED AT A RATE OF 20 LBS/ACRES. (STORMWATER FACILITIES)
   MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE.
   *THE SEASON FOR SEEDING SHALL BE FROM APRIL 1ST – JUNE 1ST AND JULY 20TH – SEPTEMBER 20TH, AND AS DORMANT SEEDING AFTER NOV. 1ST. ONLY TEMPORARY SEEDING WILL BE ALLOWED SEPT. 20TH – NOV. 1ST) (REFERENCE MNDOT SEEDING MANUAL FOR ADDITIONAL SEEDING INFORMATION)
9) TEMPORARY SEED WITH MNDOT MIX 22–111 (MAY 1ST THRU AUGUST 1ST) OR MNDOT MIX 22–112 (AUGUST 1ST THRU OCTOBER 1ST) AT A RATE OF 100LB/ACRE. INCLUDING DISK ANCHORED MULCH ON ALL SLOPES GREATER THAN 200' OR 5%.
10) PER CURRENT MPCA REQUIREMENTS. CONCRETE WASHOUTS, WHICH PROHIBIT WASHOUT LIQUID AND SOLID WASTES FROM CONTACTING THE GROUND AND ENTERING THE GROUNDWATER, MAY BE; APPROVED FACILITIES OFFSITE, PORTABLE ONSITE FACILITIES, OR FACILITIES CONSTRUCTED ONSITE. ON SITE CONSTRUCTED FACILITIES SHALL HAVE A LEAK–PROOF, IMPERMEABLE LINER AND FOLLOW THE CONSTRUCTION, MAINTENANCE AND REMOVAL PROCESSES AS RECOMMENDED ON THE MPCA WEBSITE (HTTP://WWW.PCA.STATE.MN.US/PUBLICATIONS/WQ–STRM2–24.PDF).
11) OWNER HAS BEEN MADE AWARE THAT THERE ARE DESIGN SLOPES LESS THAN 2% AND ACCEPTS ANY ISSUES THAT MAY RESULT FROM THIS DESIGN.
12) DITCHES WITHIN 200' OF SURFACE WATER OR PROPERTY LINE STABILIZED IN 24 HOURS AFTER CONNECTION.
13) SLOPES STEEPER THAN 4:1 AND 4:1 SLOPES LONGER THAN 30' ARE SEEDED AND PROTECTED WITH EROSION CONTROL BLANKETS OR SODDED AND STAKED. BLANKET CATEGORY 20 PER MNDOT 3885. SLOPES STEEPER THAN 4:1 ARE STABLE FROM LAND–SLIDING AND SURFACE EROSION.
14) MINIMIZE CONSTRUCTION TRAFFIC OVER UNPAVED AREAS OF THE SITE.
15) GOVERNING SPECIFICATIONS – THE MOST RECENT EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SUBJECT TO ANY AMENDMENTS & THEN 2023 EDITION OF THE "STANDARD UTILITIES SPECIFICATIONS" AS PER THE CITY ENGINEER'S ASSOCIATION OF MINNESOTA SHALL GOVERN, ALONG WITH ANY DESIGN CRITERIA LOCATED WITHIN THE CITY OF LEWISTON STANDARDS. UNLESS OTHERWISE SPECIFIED WITHIN THIS PLAN.



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EROSION CONTROL PLAN

SHEET NUMBER
C2.01
OF 11 SHEETS

I. GENERAL CONSTRUCTION ACTIVITY INFORMATION:

A. PROJECT NAME: MINNWEST BANK – LEWISTON

B. DESCRIBE THE PROJECT LOCATION (ADDRESS/CITY OR TOWNSHIP/COUNTY/LATITUDE/LONGITUDE):
ADDRESS OR DESCRIBE AREA: SEC. 14 – T106N – R09W; 6205 HWY 14, LEWISTON, MN 55952
CITY OR TOWNSHIP: CITY OF LEWISTON STATE: MN ZIP CODE: 55952
LATITUDE/LONGITUDE OF APPROXIMATE CENTROID OF PROJECT: 43°59'13.62"N | 91°52'13.22"W (via GOOGLE EARTH PRO)

C. DESCRIBE THE CONSTRUCTION ACTIVITY (TYPE OF CONSTRUCTION, PHASES, TIMELINES, POTENTIAL FOR DISCHARGE OF SEDIMENT AND OTHER POLLUTANTS, ETC.):
THIS PROJECT IS FOR THE CONSTRUCTION OF THE MINNWEST BANK – LEWSTON BRANCH AND ASSOCIATED DRIVE AISLES AND PARKING. WATER AND SEWER SERVICES STUBBED INTO THE LOT WILL BE EXTENDED TO SERVE THE NEW BUILDING. THIS PROJECT WILL BE COMPLETED IN ONE PHASE DURING THE SPRING/SUMMER 2026. THE POTENTIAL FOR DISCHARGE OF SEDIMENT AND OTHER POLLUTANTS IS MINIMAL PROVIDED THE GRADING AND EROSION CONTROL PLAN PREPARED FOR THE PROJECT IS ADHERED TO.

D. NUMBER OF TOTAL ACRES TO BE DISTURBED: 1.04 ACRES

E. PRE–CONSTRUCTION ACRES OF IMPERVIOUS SURFACE: 0.08 ACRES

F. POST–CONSTRUCTION ACRES OF IMPERVIOUS SURFACE: 0.66 ACRES

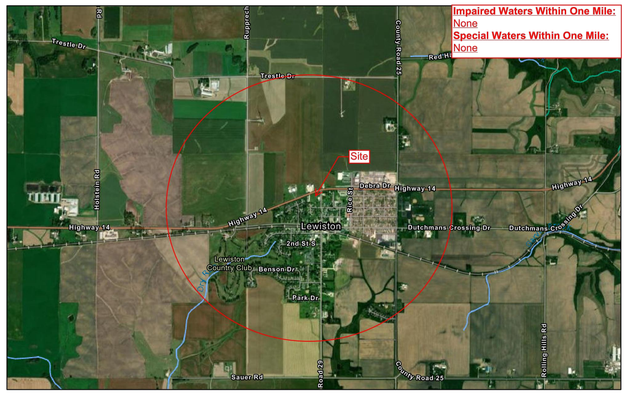
G. TOTAL NEW IMPERVIOUS SURFACE AREAS: 0.58 ACRES

II. RECEIVING WATERS:

A. LIST ALL WATERS WITHIN ONE MILE (NEAREST STRAIGHT–LINE DISTANCE) THAT ARE LIKELY TO RECEIVE STORMWATER RUNOFF FROM THE PROJECT SITE BOTH DURING OR AFTER CONSTRUCTION.

WATER BODY ID	NAME OF WATER BODY	TYPE	SPECIAL WATER?	IMPAIRED WATER?
–	–	–	–	–

MPCA's Construction Stormwater Special Waters Search



III. PROJECT PLANS & SPECIFICATIONS:

A. CONSTRUCTION AND GRADING PLAN SETS, AS WELL AS A DRAINAGE REPORT HAVE BEEN PREPARED FOR THIS PROJECT. THIS SWPPP SHALL BE A PART OF THE PLANS AND ON–SITE WITH THE CONTRACTOR DURING ACTIVE CONSTRUCTION. THE DRAINAGE REPORT INCLUDES ALL STORMWATER CALCULATIONS FOR COMPLIANCE WITH THE NPDES PERMIT AND ARE AVAILABLE AT THE OFFICE OF THE ENGINEER. JASON KAPPERS OF G–CUBED MAY BE CONTACTED VIA EMAIL FOR ELECTRONIC COPIES OF THE PLANS AND DRAINAGE REPORT (jasonk@ggg.to).

IV. ENVIRONMENTAL REVIEW

A. WAS AN ENVIRONMENTAL REVIEW REQUIRED FOR THIS PROJECT OR ANY PART OF A COMMON PLAN OF DEVELOPMENT OR SALE THAT INCLUDES THIS PROJECT?
NO

1. IF YES, IS THE ENVIRONMENTAL REVIEW PROCESS COMPLETE? (NOTE: APPLICATION FOR NPDES PERMIT MAY NOT BE MADE UNTIL REVIEWS/APPROVALS ARE COMPLETE)
N/A
2. WHO IS THE RESPONSIBLE GOVERNMENTAL UNIT (E.G. CITY, TOWNSHIP, COUNTY, STATE OR FEDERAL AGENCY)?
N/A
3. WHAT IS THE TYPE OF ENVIRONMENTAL REVIEW DOCUMENT? (E.G. WETLAND DELINEATION, ENVIRONMENTAL REPORT, EAW, EIS, AUAR, OTHER)?
N/A
4. COMPLETION DATE FOR ENVIRONMENTAL REVIEW? (MM/DD/YYYY)
N/A
5. HAS MITIGATION IDENTIFIED IN THE ENVIRONMENTAL REVIEW BEEN INCORPORATED INTO THE SWPPP?
N/A

V. TEMPORARY EROSION PREVENTION PRACTICES:

A. DESCRIBE THE TEMPORARY EROSION PREVENTION BMPs EXPECTED TO BE IMPLEMENTED ON THIS SITE DURING CONSTRUCTION:

1. METHODS OF TEMPORARILY STABILIZING SOILS AND SOIL STOCKPILES:
SOILS SHALL BE TEMPORARILY STABILIZED USING DISC ANCHORED MULCH, EROSION CONTROL BLANKET OR AN APPROVED EQUIVALENT. SOIL STOCKPILES SHALL BE TEMPORARILY STABILIZED USING SIMILAR MEASURES, BUT COULD ALSO INCLUDE PLASTIC SHEETING OR TARP.
2. METHODS TO BE USED FOR STABILIZATION OF DITCH AND SWALE WETTED PERIMETERS:
ALL DITCH/SWALE WETTED PERIMETERS SHALL BE LINED WITH EROSION CONTROL BLANKET. ROCK CHECKS MAY ALSO BE USED AS A REDUNDANT BMP SHOULD EROSIVE CONDITIONS BE PRESENT AND WARRANT THEIR INSTALLATION.
3. METHODS TO BE USED FOR ENERGY DISSIPATION AT PIPE OUTLETS:
RIP RAP SHOULD BE UTILIZED AT ALL PIPE OUTLETS AND BE INSTALLED WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER OR PROPERTY EDGE. RIP RAP SHOULD FOLLOW STANDARD INSTALLATION PRACTICES TO ENSURE UNDERMINING OF PIPE OUTLETS AND WASHOUTS DO NOT OCCUR.
4. METHODS TO BE USED TO PROMOTE INFILTRATION AND SEDIMENT REMOVAL ON THE SITE PRIOR TO OFFSITE DISCHARGE, UNLESS INFEASIBLE:
CONSTRUCTION SHOULD BE PHASED SUCH THAT ONLY PORTIONS OF THE SITE THAT NEED TO BE DISTURBED ARE DISTURBED AND THAT CONSTRUCTION VEHICLES AND EQUIPMENT MINIMIZE TRAVEL OVER GREEN SPACE AREAS. NON–COMPACTED SOILS AND DIRECTING STORMWATER FLOW TO VEGETATED AREAS ARE BMPs IN THEMSELVES AS BOTH PROMOTE INFILTRATION OF STORMWATER INTO SOIL.

B. DESCRIBE TIMELINES TO BE IMPLEMENTED AT THIS SITE FOR COMPLETING THE INSTALLATION OF THE EROSION PREVENTION BMPs LISTED UNDER SECTION V.
PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES ON–SITE. ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED IN CONJUNCTION WITH PERIMETER CONTROLS TO ENSURE TRACKING ON PUBLIC ROADWAYS IS MINIMIZED OR NON–EXISTENT. ONCE THE SITE IS DEVELOPED AS SHOWN ON THE PLANS, THE SLOPES SHALL BE SEEDED, FERTILIZED AND BLANKETED IMMEDIATELY UPON FINISHING GRADING. STABILIZATION SHALL BE COMPLETE WITHIN 14 CALENDAR DAYS. ONCE FLATTER AREAS ARE GRADED, THEY SHOULD BE SEEDED AND HAVE MULCH DISC ANCHORED WITH STABILIZATION ALSO BEING COMPLETE WITHIN 14 CALENDAR DAYS. INLET PROTECTION SHALL BE USED AT ALL NEW INLETS WITHIN THE PROJECT AS THEY ARE INSTALLED TO KEEP SEDIMENT TRANSPORT MINIMIZED.

C. DESCRIBE ADDITIONAL EROSION PREVENTION MEASURES THAT WILL BE IMPLEMENTED AT THE SITE DURING CONSTRUCTION:
DEVELOPMENT SHOULD BE PHASED SUCH THAT ONLY ACTIVE AREAS ARE DISTURBED TO PREVENT ANY EROSION ISSUES. PROPER CONSTRUCTION PHASING IS IMPORTANT IN THAT IT GREATLY REDUCES THE POTENTIAL FOR SEDIMENT TO TRAVEL OFF–SITE. ADDITIONALLY, ALL AREAS THAT ARE PROPOSED GREEN SPACE/VEGETATIVE SHOULD BE KNOWN BY THE CONTRACTOR SUCH THAT CONSTRUCTION EQUIPMENT AND VEHICLES MINIMIZE SOIL COMPACTION OVER THOSE AREAS.

VI. TEMPORARY SEDIMENT CONTROL PRACTICES:

A. DESCRIBE THE METHODS OF SEDIMENT CONTROL BMPs TO BE IMPLEMENTED AT THIS SITE DURING CONSTRUCTION TO MINIMIZE SEDIMENT IMPACTS TO SURFACE WATERS, INCLUDING CURB AND GUTTER SYSTEMS.

1. METHODS TO BE USED FOR DOWN–GRADIENT PERIMETER CONTROL:
DOWN–GRADIENT PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UP–GRADIENT LAND DISTURBING ACTIVITY AND SHALL REMAIN IN–PLACE UNTIL PERMANENT COVER IS ESTABLISHED.
2. METHODS TO BE USED TO CONTAIN SOIL STOCKPILES:
SILT FENCE, BIOROLLS OR APPROVED EQUIVALENT SHALL BE INSTALLED AT THE BASE OF STOCKPILES ON THE DOWN–GRADIENT PERIMETER. REDUNDANT BMPs SUCH AS PLASTIC SHEETING OR TARP COULD ALSO BE USED IF THE SOIL STOCKPILE(S) ARE HIGHLY ERODABLE.
3. METHODS TO BE USED FOR STORM DRAIN INLET PROTECTION:
INLET BAGS, INLET BOXES OR APPROVED ALTERNATIVES SHALL BE USED FOR STORM DRAIN INLET PROTECTION.
4. METHODS TO MINIMIZE VEHICLE TRACKING AT CONSTRUCTION EXITS AND STREET SWEEPING ACTIVITIES:
ROCK CONSTRUCTION PADS SHOULD BE INSTALLED AT ALL ENTRANCES TO THE SITE TO MITIGATE OR HALT THE TRACKING OF SEDIMENT ON PUBLIC ROADWAYS. IF SEDIMENT IS TRACKED ONTO PUBLIC ROADWAYS, THEY SHOULD BE SWEPT WITHIN ONE (1) CALENDAR DAY OF DISCOVERY.
5. IF APPLICABLE, ADDITIONAL SEDIMENT CONTROLS TO BE INSTALLED TO KEEP RUNOFF AWAY FROM PLANNED INFILTRATION OR FILTRATION AREAS WHEN EXCAVATED PRIOR TO FINAL STABILIZATION OF THE CONTRIBUTING DRAINAGE AREA.
N/A
6. DESCRIBE METHODS TO BE USED TO MINIMIZE SOIL COMPACTION AND PRESERVE TOP SOIL (UNLESS INFEASIBLE) AT THIS SITE:
THE CONTRACTOR SHOULD BE MADE AWARE AND UNDERSTAND WHERE THE AREAS OF PROPOSED GREEN SPACE/VEGETATIVE COVER ARE LOCATED AND LIMIT THEIR TRAVEL OVER THESE AREAS TO MINIMIZE SOIL COMPACTION.
7. DESCRIBE PLANS TO PRESERVE A 50–FOOT NATURAL BUFFER BETWEEN THE PROJECT'S SOIL DISTURBANCE AND A SURFACE WATER OR PLANS FOR REDUNDANT SEDIMENT CONTROLS IF A BUFFER IS INFEASIBLE:
N/A
8. DESCRIBE PLANS FOR USE OF SEDIMENTATION TREATMENT CHEMICALS:
N/A; SEDIMENTATION TREATMENT CHEMICALS ARE STRICTLY PROHIBITED ON–SITE.

B. IS THE PROJECT REQUIRED TO INSTALL A TEMPORARY SEDIMENT BASIN DUE TO 10 OR MORE ACRES DRAINING TO A COMMON LOCATION OR 5 ACRES OR MORE IF THE SITE IS WITHIN 1 MILE OF A SPECIAL OR IMPAIRED WATER?
NO
IF YES, DESCRIBE HOW THE BASIN WILL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SECTION 14 [OF THE NPDES PERMIT]:
N/A

C. WILL THE PROJECT INCLUDE DEWATERING, BASIN DRAINING?
NO

D. WILL THE PROJECT INCLUDE USE OF FILTERS FOR BACKWASH WATER?
NO

VII. PERMANENT STORMWATER MANAGEMENT SYSTEM:

A. WILL THE PROJECT RESULT IN ONE ACRE OR MORE OF NEW IMPERVIOUS SURFACES OR RESULT IN ONE ACRE OR MORE OF NEW IMPERVIOUS IN TOTAL IF THE PROJECT IS PART OF A LARGER PLAN OF DEVELOPMENT?
NO

B. IF YES, A WATER QUALITY VOLUME OF ONE INCH OF RUNOFF FROM THE CUMULATIVE NEW IMPERVIOUS SURFACES MUST BE RETAINED ON–SITE (SEE SECTION 15 OF THE PERMIT) THROUGH INFILTRATION UNLESS PROHIBITED DUE TO ONE OF THE REASONS IN ITEM 16.14 THROUGH ITEM 16.21. IF INFILTRATION IS PROHIBITED, IDENTIFY OTHER METHODS OF STORMWATER TREATMENT USED (e.g., FILTRATION SYSTEM, WET SEDIMENTATION BASIN, REGIONAL PONDING, OR EQUIVALENT METHOD):
N/A

C. ATTACHED DESIGN PARAMETERS FOR THE PLANNED PERMANENT STORMWATER MANAGEMENT SYSTEM, INCLUDING VOLUME CALCULATIONS, DISCHARGE RATE CALCULATION, CONSTRUCTION DETAILS INCLUDING BASIN DEPTH, OUTLET CONFIGURATIONS, LOCATION, DESIGN OF PRE–TREATMENT DEVICES AND TIMING FOR INSTALLATION.
N/A

VIII. INSPECTION & MAINTENANCE ACTIVITIES

A. IDENTIFY THE TRAINED INDIVIDUAL(S) RESPONSIBLE FOR INSTALLING, SUPERVISING, REPAIRING, INSPECTING, AND MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROL BMPs AT THE SITE:

G–CUBED, INC.:
JASON KAPPERS, MARK WELCH, ANDREW BUCK, RYAN MCCORMICK, JACOB FRANK, AUSTIN HINES

CONTRACTOR:
_____

B. ATTACH TRAINING DOCUMENTATION FOR EACH INDIVIDUAL (SEE BELOW FOR G–CUBED, INC. TRAINED INDIVIDUALS):

G–CUBED, INC. TRAINED INDIVIDUALS

UNIVERSITY OF MINNESOTA **Jason W. Kappers** Coristruction Site Management (May 31 2027) Design of Construction SWPPP (May 31 2027)	UNIVERSITY OF MINNESOTA **Jason W. Kappers** Construction Site Management (May 31 2027) Design of Construction SWPPP (May 31 2027)	UNIVERSITY OF MINNESOTA **Jacob Frank** Construction Site Management (May 31 2026) Design of Construction SWPPP (May 31 2028)
UNIVERSITY OF MINNESOTA **Jacob Frank** Construction Site Management (May 31 2026) Design of Construction SWPPP (May 31 2025)	UNIVERSITY OF MINNESOTA **Ryan McCormick** Construction Site Management (May 31 2028) Design of Construction SWPPP (May 31 2028)	UNIVERSITY OF MINNESOTA **Austin Hines** Construction Site Management (May 31 2028) Design of Construction SWPPP (May 31 2028)

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G-CUBED Engineering - Surveying - Planning

Structural Service & Design, Inc.
WiDSETH

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.

CONSTRUCTION

JASON KAPPERS, P.E.
62741 03/02/26
NUMBER DATE

MINNWEST BANK
LEWISTON BRANCH
LEWISTON, MINNESOTA

PROJECT NUMBER 25-143
DATE Issue Date
DRAWN BY JWK
CHECKED BY GGG

ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE
02	CITY COMMENTS	03/02/26
01	DESIGN DEVELOPMENT	02/13/26
No.	ISSUED FOR	DATE

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SHEET NUMBER
C3.00
OF 11 SHEETS

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VIII. INSPECTION & MAINTENANCE ACTIVITIES (CONTINUED):

C. DESCRIBE PROCEDURES TO ROUTINELY INSPECT THE CONSTRUCTION SITE, INCLUDING:

1. A DESCRIPTION OF RECORD-KEEPING REQUIREMENTS AND CONTENT: (SEE ITEM 11.12):
RECORD-KEEPING REQUIREMENTS SHALL ADHERE TO SECTION 11.12 OF THE NPDES PERMIT:
SECTION 11.12
PERMITTEES MUST RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES WITHIN 24 HOURS OF BEING CONDUCTED AND THESE RECORDS MUST BE RETAINED WITH THE SWPPP. THESE RECORDS MUST INCLUDE:
a. DATE AND TIME OF INSPECTIONS; AND
b. NAME OF PERSONS CONDUCTING INSPECTIONS; AND
c. ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED; AND
d. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); AND
e. DATE OF ALL RAINFALL EVENTS GREATER THAN ½ INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT. PERMITTEES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ON-SITE, A WEATHER STATION THAT IS WITHIN ONE (1) MILE OF THE SITE LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES; AND
f. IF PERMITTEES OBSERVE A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND DESCRIBE THE LOCATION OF THE DISCHARGE (i.e. COLOR, ODOR, SETTLED OR UNSETTLED SOLIDS, OIL SHEEN, AND OTHER OBVIOUS INDICATORS OF POLLUTANTS); AND
g. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED AS REQUIRED IN SECTION 6 WITHIN SEVEN (7) CALENDAR DAYS; AND
h. ALL PHOTOGRAPHS OF DEWATERING ACTIVITIES AND DOCUMENTATION OF NUISANCE CONDITIONS RESULTING FROM DEWATERING ACTIVITIES AS DESCRIBED IN SECTION 10. [MINN. R. 7090].

2. FREQUENCY OF INSPECTIONS (SEE ITEM 11.2 AND ITEM 11.11 OF THE PERMIT):
FREQUENCY OF INSPECTIONS SHALL ADHERE TO SECTIONS 11.2 AND 11.11 OF THE NPDES PERMIT:
SECTION 11.2
PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.b, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN ½ INCH IN 24 HOURS. [MINN. R. 7090]

SECTION 11.11
PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE AS DESCRIBED IN 11.2 AS FOLLOWS:
a. INSPECTIONS OF AREAS WITH PERMANENT COVER CAN BE REDUCED TO ONCE PER MONTH, EVEN IF CONSTRUCTION ACTIVITY CONTINUES ON OTHER PORTIONS OF THE SITE; OR
b. WHERE SITES HAVE PERMANENT COVER ON ALL EXPOSED SOIL AND NO CONSTRUCTION ACTIVITY IS OCCURRING ANYWHERE ON THE SITE; INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH AND, AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNTIL CONSTRUCTION ACTIVITY RESUMES. THE MPCA MAY REQUIRE INSPECTIONS TO RESUME IF CONDITIONS WARRANT; OR
c. WHERE CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, INSPECTIONS MAY BE SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF RUNOFF OCCURRING, OR UPON RESUMING CONSTRUCTION, WHICHEVER COMES FIRST.
d. FOR PROJECTS WHERE A POLLINATOR HABITAT OR NATIVE PRAIRIE TYPE VEGETATED COVER IS BEING ESTABLISHED, INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH IF THE SITE HAS TEMPORARY VEGETATION WITH A DENSITY OF 70% TEMPORARY UNIFORM COVER. IF AFTER 24 MONTHS NO SIGNIFICANT EROSION PROBLEMS ARE OBSERVED, INSPECTIONS MAY BE SUSPENDED COMPLETELY UNTIL THE TERMINATION REQUIREMENTS IN SECTION 13 HAVE BEEN MET. [MINN. R. 7090]

3. AREAS TO BE INSPECTED AND MAINTAINED (SEE ITEM 11.3 THROUGH 11.6 AND 11.9 OF THE PERMIT):
SECTION 11.3
a. PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPs. [MINN. R. 7090]

SECTION 11.4
a. PERMITTEES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPs AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMPs WITH FUNCTIONAL BMPs BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN ITEM 11.5 OR 11.6. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THIS AREA. [MINN. R. 7090]

SECTION 11.5
DURING EACH INSPECTION, PERMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL. PERMITTEES MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS. PERMITTEES MUST USE ALL REASONABLE EFFORTS TO OBTAIN ACCESS. PERMITTEES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS. [MINN. R. 7090]

SECTION 11.6
PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES. PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY OR, IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS. [MINN. R. 7090]

SECTION 11.9
PERMITTEES MUST INSPECT AND PHOTOGRAPH DEWATERING DISCHARGES AT THE BEGINNING AND AT LEAST ONCE EVERY 24 HOURS DURING OPERATION. DEWATERING DISCHARGES THAT ONLY LAST FOR MINUTES, AS OPPOSED TO HOURS, AND DO NOT REACH A SURFACE WATER, DO NOT REQUIRE PHOTOGRAPHS OR DOCUMENTATION. [MINN. R. 7090]

IX. POLLUTION PREVENTION MANAGEMENT MEASURES:

A. DESCRIBE PRACTICES FOR STORAGE OF BUILDING PRODUCTS AND LANDSCAPE MATERIALS WITH A POTENTIAL TO LEACH POLLUTANTS TO MINIMIZE EXPOSURE TO STORMWATER:
BUILDING PRODUCTS AND LANDSCAPE MATERIALS WITH A POTENTIAL TO LEACH POLLUTANTS SHALL BE PLACED UNDER COVER (i.e. PLASTIC SHEETING OR TEMPORARY ROOFS) OR BE PROTECTED BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.

B. DESCRIBE PRACTICES FOR STORAGE OF PESTICIDES, FERTILIZERS, AND TREATMENT CHEMICALS:
PESTICIDES, FERTILIZERS, AND TREATMENT CHEMICALS SHOULD ALSO BE PLACED UNDER COVER (i.e. PLASTIC SHEETING OR TEMPORARY ROOFS) OR BE PROTECTED BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.

C. DESCRIBE PRACTICES FOR STORAGE AND DISPOSAL OF HAZARDOUS MATERIALS OR TOXIC WASTE (e.g., OIL, FUEL, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVE, ADDITIVES, CURING COMPOUNDS, AND ACIDS) ACCORDING TO MINN. R. CH. 7045, INCLUDING SECONDARY CONTAINMENT IF APPLICABLE:
HAZARDOUS MATERIALS AND TOXIC WASTE SHALL BE STORED IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. DISPOSAL OF HAZARDOUS MATERIALS AND TOXIC WASTE SHALL BE AT APPROVED FACILITIES OR OTHERWISE APPROVED BY THE LGU.

D. DESCRIBE COLLECTION, STORAGE AND DISPOSAL OF SOLID WASTE IN COMPLIANCE WITH MINN. R. CH. 7035:
PER MINN. R. 7035.08, SUBP. 1, THE OWNER AND OCCUPANT OF ANY PREMISES, BUSINESS ESTABLISHMENT, OR INDUSTRY AND/OR THE REFUSE COLLECTION SERVICE ARE RESPONSIBLE FOR THE SATISFACTORY COLLECTION AND TRANSPORTATION OF ALL SOLID WASTE ACCUMULATED AT A PREMISE, BUSINESS ESTABLISHMENT, OR INDUSTRY TO A SOLID WASTE DISPOSAL, TRANSFER, OR PROCESSING FACILITY THAT IS AUTHORIZED TO ACCEPT THE WASTE.

PER MINN. R. 7035.08, SUBP. 2, VEHICLES OR CONTAINERS USED FOR THE COLLECTION AND TRANSPORTATION OF GARBAGE AND SIMILAR PUTRESCIBLE WASTES, OR REFUSE CONTAINING SUCH MATERIALS, MUST BE COVERED, LEAKPROOF, DURABLE, AND OF EASILY CLEANABLE CONSTRUCTION. THEY MUST BE CLEANED TO PREVENT NUISANCES, POLLUTION, OR INSECT BREEDING, AND MUST BE MAINTAINED IN GOOD REPAIR. VEHICLES OR CONTAINERS USED FOR THE TRANSPORTATION OF MUNICIPAL SOLID WASTE COMBUSTOR ASH MUST BE COVERED TO PREVENT FUGITIVE DUST EMISSIONS AND CONSTRUCTION TO PREVENT LEAKING OF FLUID WHICH HAS BEEN IN CONTACT WITH ASH.

E. DESCRIBE MANAGEMENT OF PORTABLE TOILETS TO PREVENT TIPPING AND DISPOSAL OF SANITARY WASTES IN ACCORDANCE WITH MINN. R. CH. 7041:
PORTABLE TOILETS MUST BE POSITIONED SO THEY ARE SECURE AND WILL NOT TIP OR BE KNOCKED OVER. DISPOSAL OF SANITARY WASTES SHALL BE IN ACCORDANCE WITH MINN. R. CH. 7041.

F. DESCRIBE STORAGE AND DISPOSAL OF CONCRETE AND OTHER WASHOUT WASTES TO THAT WASTES DO NOT CONTACT THE GROUND:
CONCRETE WASHOUTS, WHICH PROHIBIT WASHOUT LIQUID AND SOLID WASTES FROM CONTACTING THE GROUND AND ENTERING THE GROUNDWATER, MAY BE; APPROVED FACILITIES OFFSITE, PORTABLE ONSITE FACILITIES, OR FACILITIES CONSTRUCTED ONSITE. ALL WASHOUT FACILITIES CONSTRUCTED ONSITE MUST BE IN APPROVED COMMUNAL LOCATIONS AND/OR LOCATED ON THE INDIVIDUAL LOT BEING DEVELOPED. ONSITE CONSTRUCTED FACILITIES SHALL HAVE A LEAK-PROOF, IMPERMEABLE LINER AND FOLLOW THE CONSTRUCTION, MAINTENANCE AND REMOVAL PROCESSES AS RECOMMENDED ON THE MPCA WEBSITE.

X. PERMIT TERMINATION CONDITIONS

A. DESCRIBE METHOD OF FINAL STABILIZATION (PERMANENT COVER) OF ALL DISTURBED AREAS:
PERMITTEES MUST COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTED THE NOTICE OF TERMINATION (NOT). VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH. VEGETATION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER.

B. DESCRIBE METHODS USED TO CLEAN ALL STORMWATER TREATMENT SYSTEMS AND STORMWATER CONVEYANCE SYSTEMS OF ACCUMULATED SEDIMENT:
PERMITTEES MUST CLEAN THE STORMWATER CONVEYANCE SYSTEMS OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS IN SECTION 15 THROUGH 19 OF THE PERMIT AND IS OPERATING AS DESIGNED.

C. DESCRIBE METHODS FOR REMOVING ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPs:
COMMON METHODS FOR REMOVING ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPs ARE ACCEPTABLE; SO LONG AS ALL TEMPORARY SYNTHETIC DEVICES ARE REMOVED PRIOR TO SUBMITTED THE NOTICE OF TERMINATION (NOT). PERMITTEES MAY LEAVE BMPs DESIGNED TO DECOMPOSE ON-SITE IN PLACE.

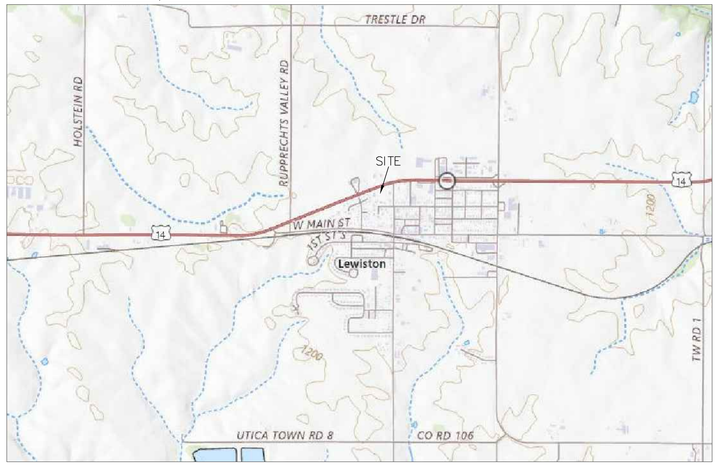
USDA NRCS WEB SOIL SURVEY MAP & MAP UNIT LEGEND



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
477	Littleton silt loam	0.0	0.1%
1830	Elitzen silt loam	0.1	5.3%
N536A	Tama silt loam, driftless, 0 to 2 percent slopes	1.2	94.0%
N536B	Tama silt loam, driftless, 2 to 6 percent slopes	0.0	0.6%
Totals for Area of Interest		**1.2**	**100.0%**

SOIL CLASSIFICATION — HYDROLOGIC SOIL GROUP (HSG)
477 – LITTLETON SILT LOAM..... B/D
1830 – EITZEN SILT LOAM..... C
N536A – TAMA SILT LOAM..... C
N536B – TAMA SILT LOAM..... C

USGS QUAD MAP – MINNESOTA – WINONA COUNTY – 7.5-MINUTE SERIES



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CONSTRUCTION

JASON KAPPERS, P.E.
62741 — 03/02/26
NUMBER — DATE

MINNWEST BANK
LEWISTON BRANCH
LEWISTON, MINNESOTA

PROJECT NUMBER 25-143
DATE Issue Date
DRAWN BY JWK
CHECKED BY GGG
ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE
02	CITY COMMENTS	03/02/26
01	DESIGN DEVELOPMENT	02/13/26
No.	ISSUED FOR	DATE

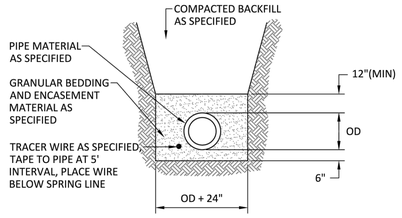
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SHEET NUMBER
C3.01
OF 11 SHEETS

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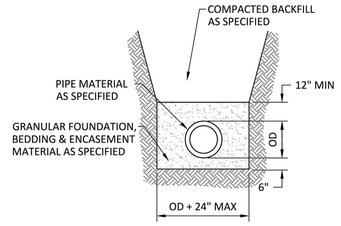
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NON-RIGID SANITARY SEWER TRENCH

NOT TO SCALE

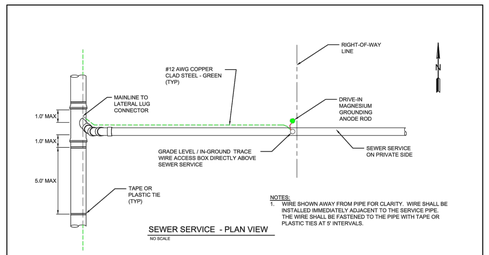
BOLTON & MENK | CITY OF LEWISTON | NON-RIGID SANITARY SEWER TRENCH | LAST REVISION: MARCH 2024 | PLATE NO. 5-200



NON-RIGID STORM SEWER TRENCH

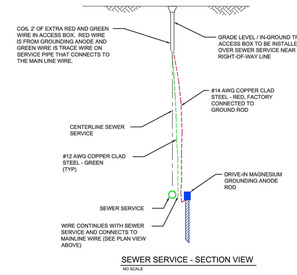
NOT TO SCALE

BOLTON & MENK | CITY OF LEWISTON | NON-RIGID STORM SEWER TRENCH | LAST REVISION: MARCH 2024 | PLATE NO. 4-002



SEWER SERVICE - PLAN VIEW

NO SCALE



SEWER SERVICE - SECTION VIEW

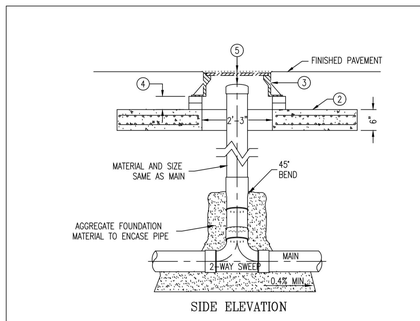
NO SCALE

MINNESOTA RURAL WATER ASSOCIATION STANDARD DETAIL

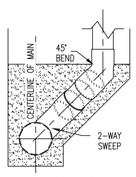
TRACE WIRE SEWER SERVICE DETAIL

May 28, 2014

L:\Library\Municipal\Professional Associations\Rural Water Details\Trace Wire Details 5.28.14.dwg



SIDE ELEVATION



END ELEVATION

NOTES

1. 48" STRUCTURE SHALL BE USED WHENEVER THE CLEANOUT FALLS INTO PAVEMENT AREAS.
2. MANHOLE COVER SHALL CONFORM TO MN/DOT S.P. 4020.
3. REFER TO PLANS AND S.D.P. 1-11 AND 1-12 FOR CASTING REQUIRED. CASTING SHALL BE BOLTED TO CONCRETE IN FIELD APPLICATIONS.
4. HDPE ADJUSTING RINGS SHALL BE PER S.D.P. 1-13.
5. CLEANOUT CAP IS TO BE A MINIMUM OF 4" AND A MAXIMUM OF 6" BELOW THE FINISHED PAVEMENT GRADE.
6. SET TOP OF RING CASTING TO 1/2" BELOW THE FINISHED PAVEMENT.

DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA

STRUCTURE TYPE 6 (CLEANOUT)

CITY ENGINEER

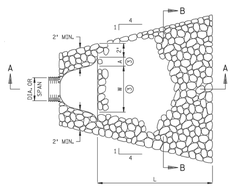
SHT 1 OF 1 SHTS	DATE REVISED 1/1/25	PLATE NO. 1-06	REV. H

TABLE OF QUANTITIES
RIPRAP AT CSP OUTLETS

DIA. OF ROUND PIPE (IN.)	L (FT.)	CLASS II d_{50} = 6" GEO-TEXTILE FILTER (SQ.YD.)	CLASS II d_{50} = 6" GRANUL. FILTER UNDER APRON (CU.YD.)	CLASS II d_{50} = 6" 12" DEPTH RIPRAP (CU.YD.)	CLASS III d_{50} = 9" GEO-TEXTILE FILTER (SQ.YD.)	CLASS III d_{50} = 9" GRANULAR FILTER UNDER APRON (CU.YD.)	CLASS III d_{50} = 9" 18" DEPTH RIPRAP (CU.YD.)	CLASS IV d_{50} = 12" GEO-TEXTILE FILTER (SQ.YD.)	CLASS IV d_{50} = 12" GRANUL. FILTER UNDER APRON (CU.YD.)	CLASS IV d_{50} = 12" 24" DEPTH RIPRAP (CU.YD.)
12	8	16.4	0.2	3.0	19.2	0.2	4.5	22.3	0.3	6.0
15	8	17.8	0.2	3.3	20.7	0.3	4.9	23.9	0.4	6.6
18	10	22.9	0.3	4.6	26.2	0.5	6.8	29.7	0.6	9.1
21	10	24.5	0.4	4.9	27.9	0.6	7.3	31.5	0.8	9.7
24	12	30.4	0.5	6.4	34.2	0.8	9.5	38.2	1.0	12.7
30	14	36.9	0.8	8.5	43.2	1.2	12.7	47.7	1.5	16.9
36	16	48.3	1.1	10.8	53.1	1.6	16.2	58.1	2.1	21.6
42	18	58.7	1.5	13.5	64.0	2.2	20.2	69.5	2.9	27.0
48	20	68.5	1.8	16.0	74.2	2.7	24.0	80.1	3.5	32.0

TABLE OF QUANTITIES
RIPRAP AT CSP-A OUTLETS

SPAN OF PIPE ARCH (IN.)	L (FT.)	CLASS II d_{50} = 6" GEO-TEXTILE FILTER (SQ.YD.)	CLASS II d_{50} = 6" GRANUL. FILTER UNDER APRON (CU.YD.)	CLASS II d_{50} = 6" 12" DEPTH RIPRAP (CU.YD.)	CLASS III d_{50} = 9" GEO-TEXTILE FILTER (SQ.YD.)	CLASS III d_{50} = 9" GRANULAR FILTER UNDER APRON (CU.YD.)	CLASS III d_{50} = 9" 18" DEPTH RIPRAP (CU.YD.)	CLASS IV d_{50} = 12" GEO-TEXTILE FILTER (SQ.YD.)	CLASS IV d_{50} = 12" GRANUL. FILTER UNDER APRON (CU.YD.)	CLASS IV d_{50} = 12" 24" DEPTH RIPRAP (CU.YD.)
17	8	18.7	0.2	3.1	20.1	0.3	4.7	23.2	0.3	6.3
21	10	21.9	0.3	4.5	25.1	0.4	6.7	28.6	0.5	9.0
24	10	23.5	0.3	4.9	26.8	0.5	7.4	30.4	0.6	9.8
28	12	29.2	0.4	6.4	32.9	0.6	9.6	36.8	0.8	12.9
35	14	36.8	0.6	8.5	41.0	0.9	12.8	45.4	1.2	17.1
42	16	46.5	0.9	11.2	51.1	1.3	16.8	56.0	1.7	22.5
49	18	55.5	1.1	13.8	60.6	1.7	20.7	66.0	2.2	27.6
57	20	66.6	1.5	17.0	72.2	2.3	25.5	78.0	3.0	34.0



NOTES:

REQUIREMENTS FOR GEOTEXTILE TYPE, RIPRAP SIZE AND THICKNESS SHALL BE DESIGNATED IN THE PLANS.

PIPE SIZES LARGER THAN THOSE SHOWN REQUIRE A SPECIAL DESIGN.

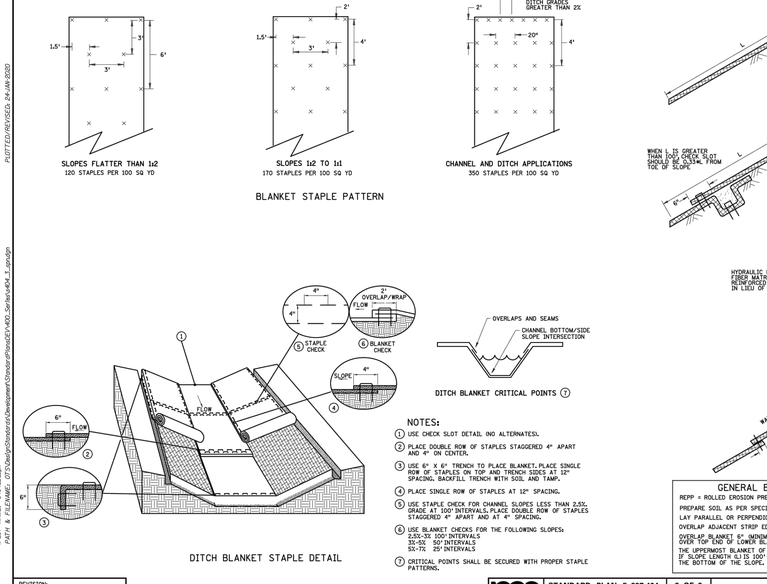
1. FOR PIPES GREATER THAN OR EQUAL TO 30", USE 1.5'.
2. GEOTEXTILE FILTER, SPEC. 3733, SHALL COVER THE BOTTOM AND SIDES OF THE AREA EXCAVATED FOR THE RIPRAP, GRANULAR FILTER MATERIALS.
3. DIMENSIONS W AND A ARE GIVEN ON STANDARD PLATES 3122 AND 3123.
4. GRANULAR FILTER, SPEC. 3601, MAY BE USED AS A CUSHION LAYER. PLACE FILTER PER SPEC. 2511. THE CUSHION LAYER IS INCIDENTAL.
5. GRANULAR FILTER OR RIPRAP, SPEC. 3601, TO EXTEND UNDER ENTIRE OPEN PORTION OF PIPE APRON. DEPTH OF MATERIAL UNDER APRON SHALL MATCH RIPRAP DEPTH. WHEN USING RIPRAP INCREASE RIPRAP QUANTITY ACCORDINGLY AND PLACE A 3" LAYER OF 1.5" CRUSHED ROCK UNDER THE APRON TO AID IN GRADING FOR APRON PLACEMENT. CRUSHED ROCK IS INCIDENTAL.

APPROVED DECEMBER 9, 2013
CHRISTOPHER KEY
STATE DESIGN ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

RIPRAP AT CSP OUTLETS

SPECIFICATION REFERENCE	STANDARD PLATE NO.
3123 3122 3601 3733 2511	3134D



NOTES:

1. USE CHECK SLOT DETAIL (NO ALTERNATES).
2. PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER.
3. USE 6" X 6" TRENCH TO PLACE BLANKET. PLACE SINGLE ROW OF STAPLES ON TOP AND TRENCH SIDES AT 12" SPACING. BACKFILL TRENCH WITH SOIL AND TAMP.
4. PLACE SINGLE ROW OF STAPLES AT 12" SPACING.
5. USE STAPLE CHECK FOR CHANNEL SLOPES LESS THAN 2.5%. GRADE AT 100' INTERVALS. PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND AT 4" SPACING.
6. USE BLANKET CHECKS FOR THE FOLLOWING SLOPES:
   2.5%-3% 100' INTERVALS
   3%-5% 50' INTERVALS
   5%-7% 25' INTERVALS
7. CRITICAL POINTS SHALL BE SECURED WITH PROPER STAPLE PATTERNS.

GENERAL BLANKET INSTALLATION REQUIREMENTS

REPP = ROLLED EROSION PREVENTION PRODUCT.

PREPARE SOIL AS PER SPECIFICATION 2574.

LAY PARALLEL OR PERPENDICULAR TO THE DIRECTION OF WATER FLOW.

OVERLAP ADJACENT STRIP EDGES A MINIMUM OF 4".

OVERLAP BLANKET 6" (MINIMUM) AT EACH END. OVERLAP BOTTOM END OF UPPER BLANKET OVER TOP END OF LOWER BLANKET. STAPLE ALONG OVERLAP EVERY 1.5'.

THE UPPERMOST BLANKET OF ALL SLOPE APPLICATIONS MUST START IN A CHECK SLOT. IF SLOPE LENGTH IS 15 100' OR GREATER, INSERT BLANKET INTO A CHECK SLOT 9 FROM THE BOTTOM OF THE SLOPE.

REVISION:
APPROVED: JANUARY 8, 2020
KIRK GARBURSKI
CHIEF ENVIRONMENTAL OFFICER

MINNESOTA DEPARTMENT OF TRANSPORTATION

STANDARD PLAN 5-297.404 | 3 OF 3

APPROVED: 1-8-2020
REVISED:

TOM SOLUM, P.E.
STATE DESIGN ENGINEER

PERMANENT EROSION CONTROL

REPP (BLANKET) STAPLE PATTERN FOR SLOPES

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

PLOTTED/REVISED: 24-JAN-2020

PLOT BY: NAME: p454_5.stm
PATH & FILENAME: G:\Studies\Standards\Development Standards\Plates\ES\400_Series\p454_5.stm

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CONSTRUCTION

JASON KAPPERS, P.E.
62741 03/02/26
NUMBER DATE

MINNWEST BANK LEWISTON BRANCH

LEWISTON, MINNESOTA

PROJECT NUMBER 25-143
DATE Issue Date
DRAWN BY JWK
CHECKED BY GGG

ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE
02	CITY COMMENTS	03/02/26
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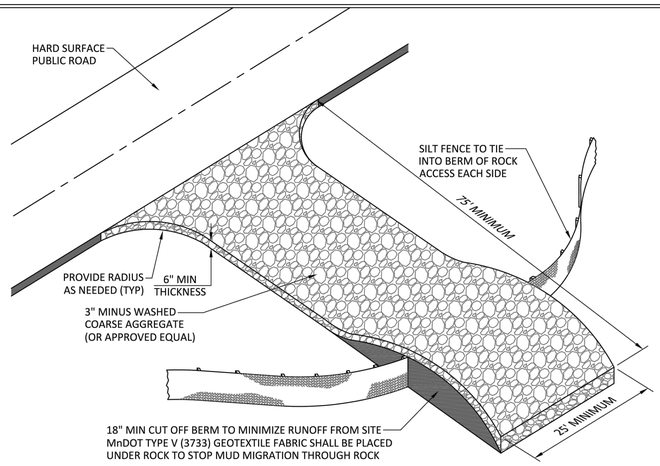
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SHEET NUMBER

C4.00

OF 11 SHEETS

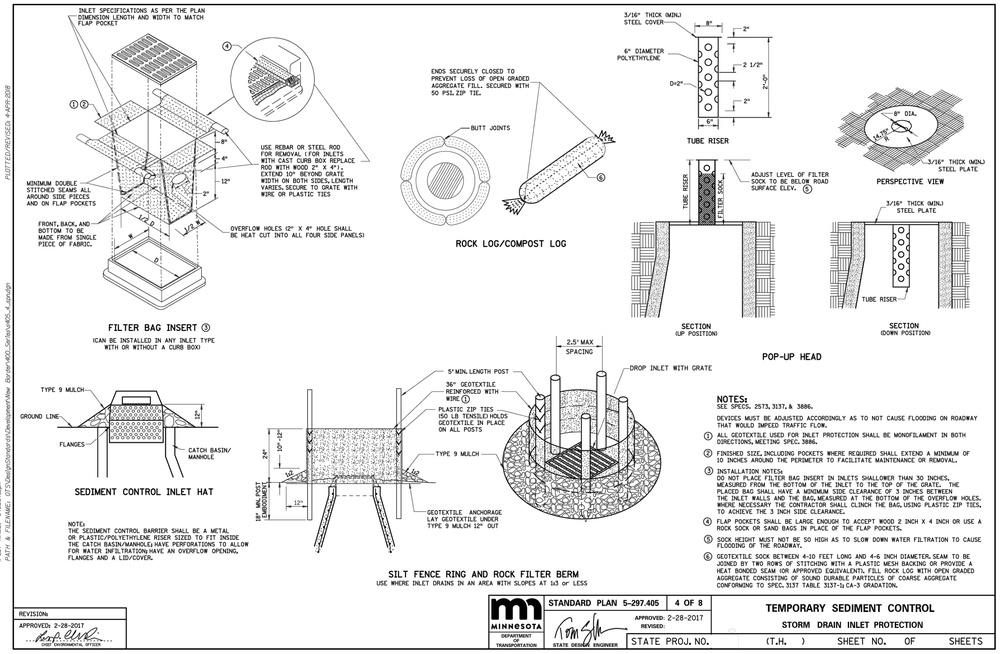
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ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE

BOLTON & MENK | CITY OF LEWISTON | ROCK CONSTRUCTION ENTRANCE | LAST REVISION: MARCH 2024 | PLATE NO. 3-502

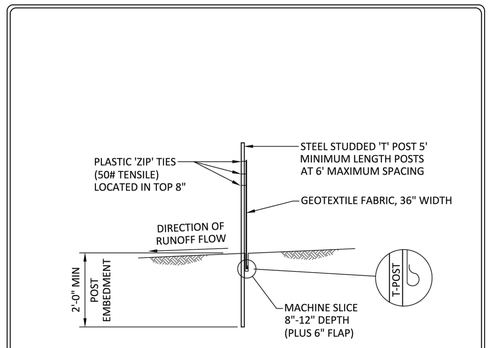


REVISIONS
APPROVED: 2-28-2017
CHIEF ENVIRONMENTAL OFFICER

MINNESOTA DEPARTMENT OF TRANSPORTATION | STANDARD PLAN 5-297.405 | 4 OF 8 | APPROVED: 2-28-2017 | REVISED: | STATE DESIGN ENGINEER

TEMPORARY SEDIMENT CONTROL
STORM DRAIN INLET PROTECTION

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS



SILT FENCE - MACHINE SLICED

NOT TO SCALE

BOLTON & MENK | CITY OF LEWISTON | SILT FENCE - MACHINE SLICED | LAST REVISION: MARCH 2024 | PLATE NO. 3-402

3885

3885.2 REQUIREMENTS

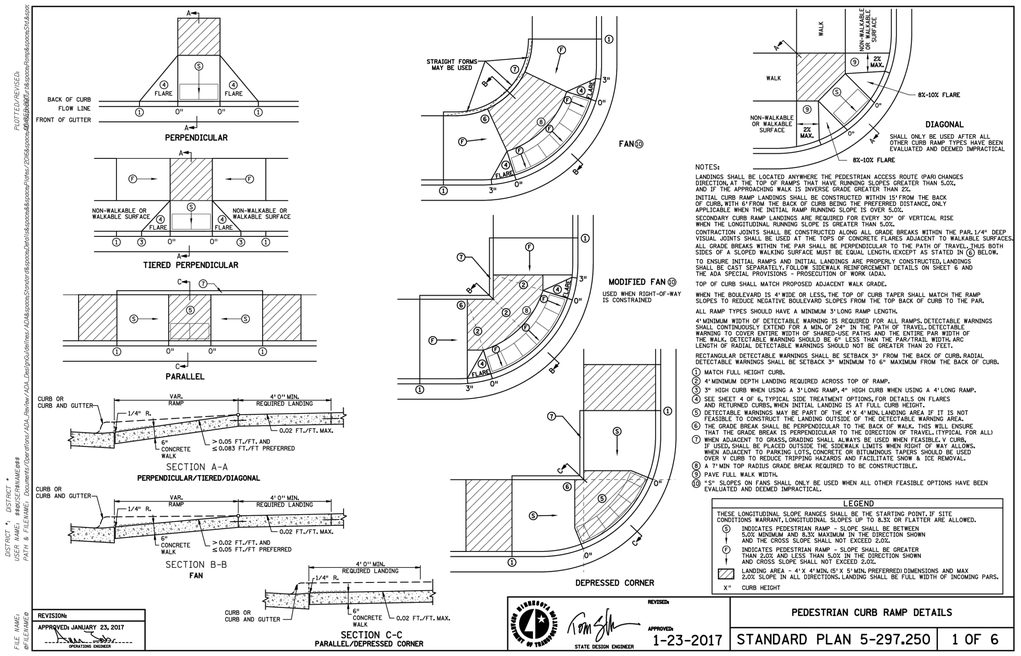
A Temporary Erosion Prevention Blanket

Use only natural fibers in the manufacture of netting and fill Material for temporary products. Provide blankets that conform to the general requirements listed in Table 3885.2-1, Table 3885.2-2, and Table 3885.2-3.

Table 3885.2-1
Temporary, Straw-based Products

Criteria	Category 10	Category 20	Category 30
Net Number (upper/lower)	1	2	2
Fiber Fill Material	100 percent Straw	100 percent Straw	70 percent Straw, 30 percent Coconut/hemp
Mass, minimum*‡ (pound per square yard)	0.43	0.43	0.42
Reported Fiber Length, 80 percent greater than (inch)	3	3	3
Reported Functional Longevity, 75 percent remaining (month)	3	4.5	9
Reported Target Service Life (month)	4	9	12
Permissible shear, unvegetated# (pound per square foot)	1.50	1.75	2.00
Flow, probable maximum# (feet per second)	4.5	6	8
Machine Direction (MD) Tensile Strength, minimum§ (pounds per foot)	130	170	200
TD Tensile Strength, minimum§ (pounds per foot)	80	130	150
Permissible Anchor Type	Wood or biodegradable ‖ plant based plastic barbed, glue, U or round head metal, 11-13 gage	U or round head metal, 11-13 gage, Washer/60D (6 inch) Nail†	Helical twist pin, Washer/60D (6 inch) Nail†
Minimum anchor embedment length	4 inches	6 inches	8 inches

*Dry mass at time of manufacture following ASTM protocols.
‖ Biodegradable means the product will decompose under ambient soil conditions into carbon dioxide, water, and other naturally occurring Materials within one year of installation.
†Winter Utilization.
‡ *ASTM D6475, Mass per Unit Area of Erosion Control Blankets.*
ASTM D6460, Performance in Protecting Earthen Channels from Stormwater-Induced Erosion.
§ *ASTM D6818, Ultimate Tensile Properties of Rolled Erosion Control Products.*



REVISIONS
APPROVED: JANUARY 23, 2017
OPERATIONS ENGINEER

APPROVED: 1-23-2017 STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

STANDARD PLAN 5-297.250 | 1 OF 6

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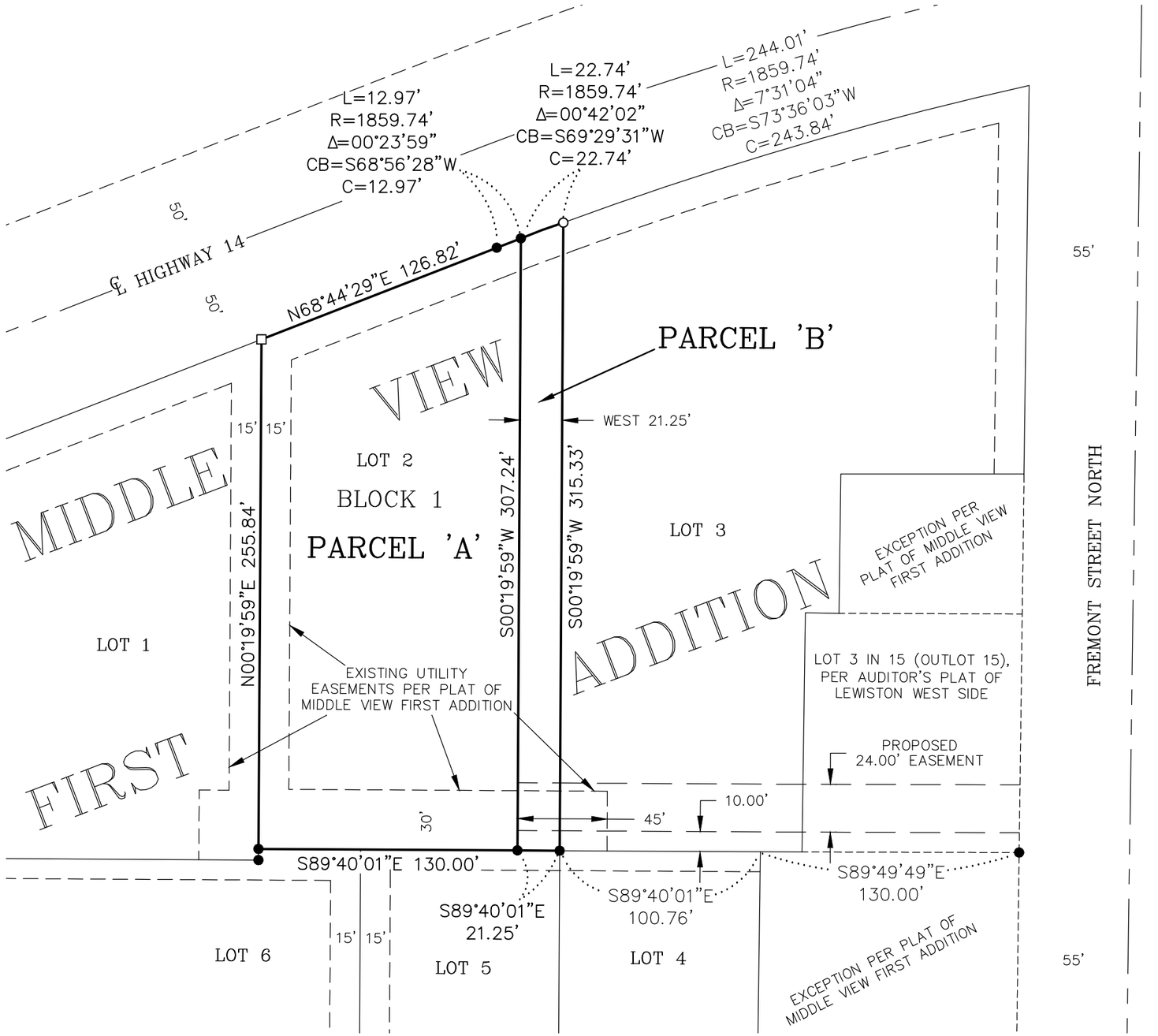
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STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SHEET NUMBER
C4.01
OF 11 SHEETS

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CERTIFICATE OF SURVEY

LOTS 2 & 3, BLOCK 1
MIDDLE VIEW FIRST ADDITION

LAND DESCRIPTIONS:

PARCEL 'A'

Lot 2, Block 1, MIDDLE VIEW FIRST ADDITION, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

The above described parcel contains 0.84 acres (36,604 Sq. Ft.), more or less, and is subject to any easements, covenants, and restrictions of record.

PARCEL 'B'

The West 21.25 feet of Lot 3, Block 1, MIDDLE VIEW FIRST ADDITION, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

The above described parcel contains 0.15 acres (6,618 Sq. Ft.), more or less, and is subject to any easements, covenants, and restrictions of record.

EASEMENT DESCRIPTION:

The North 24.00 feet of the South 34.00 feet of Lot 3, Block 1, MIDDLE VIEW FIRST ADDITION, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

AND

The North 24.00 feet of the South 34.00 feet of Lot 3 in 15 (OUTLOT 15), AUDITOR'S PLAT OF LEWISTON WEST SIDE, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

0 60'
SCALE

□ SPIKE SET

○ IRON PIPE WITH PLASTIC CAP STAMPED LS 21940 SET

● FOUND MONUMENT

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

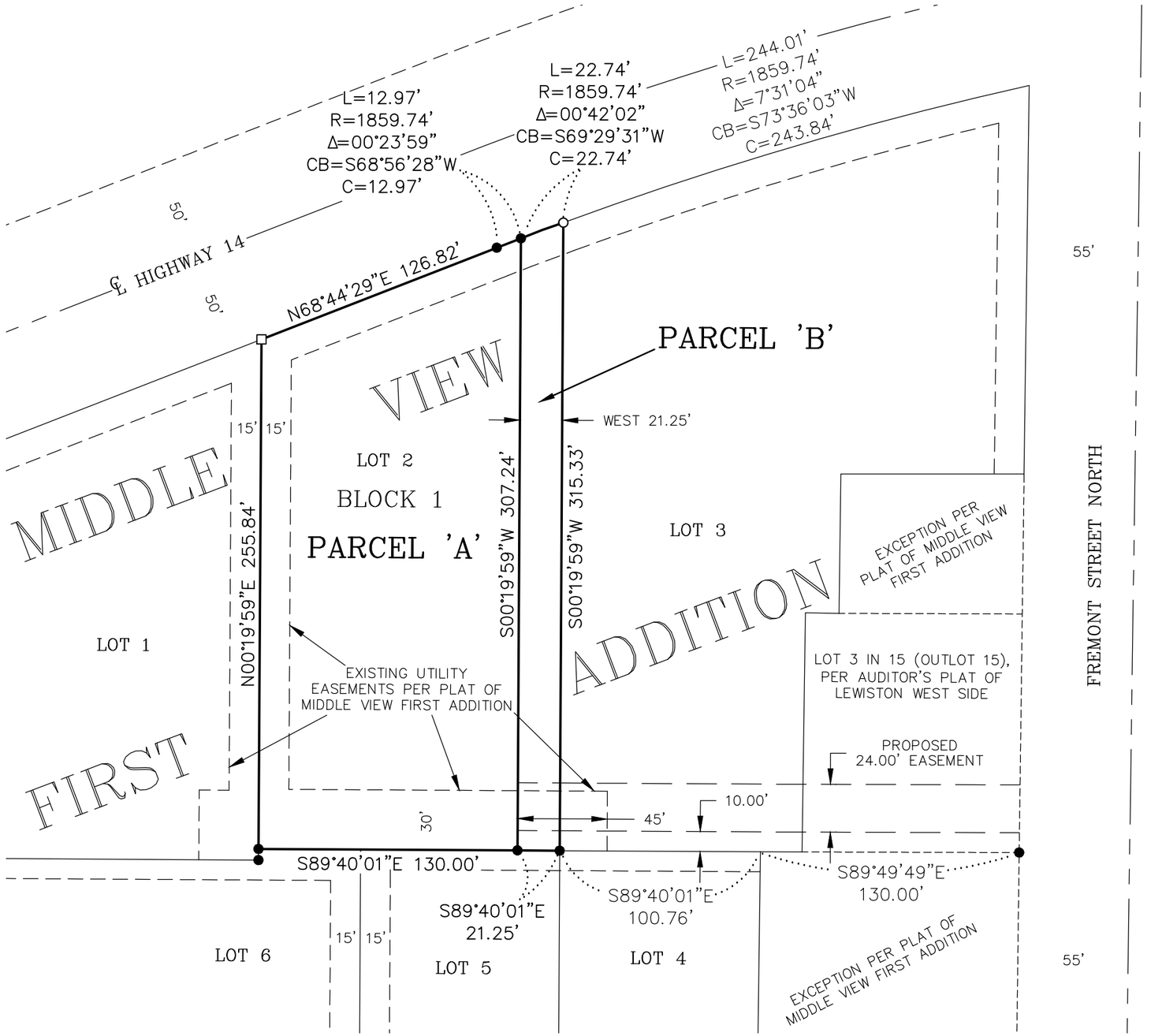
Geoffrey G Griffin

DATE 6/18/25 REG. NO. 21940

G-Cubed
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Chatfield, MN 55923
ENGINEERING
SURVEYING
PLANNING
Ph. 507-867-1666
Fax 507-867-1665
www.ggg.to

DATE OF SURVEY: 6-4-25
Prepared For:
Minnwest Bank
1150 Yankee Doodle Road
Eagan, MN 55121

SHEET 1 OF 1 | FILE NO: 25-143



CERTIFICATE OF SURVEY

LOTS 2 & 3, BLOCK 1
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14070 Hwy 52 S.E.
Chatfield, MN 55923
ENGINEERING
SURVEYING
PLANNING
Ph. 507-867-1666
Fax 507-867-1665
www.ggg.to

DATE OF SURVEY: 6-4-25
Prepared For:
Minnwest Bank
1150 Yankee Doodle Road
Eagan, MN 55121

SHEET 1 OF 1 | FILE NO: 25-143

(Do not write in the space above. Reserved for recording/transfer data)

INGRESS/EGRESS ACCESS EASEMENT

This Agreement is made this 25th day of July, 2025 (the "Effective Date"), by and between the City of Lewiston, Minnesota, a municipal corporation organized under the laws of the State of Minnesota, 75 Rice Street, Lewiston, Minnesota 55952, referred to herein as "Grantor," and Minnwest Bank, a MN Corporation 225 E Main Street, Lewiston, MN 55952, referred to hereinafter as "Grantee"; (collectively referred to herein as the "parties").

AGREEMENT

That for good and valuable consideration, the sufficiency of which is hereby acknowledged, the Grantor and Grantee do hereby agree as follows:

1. Grantor is the lawful owner, and is lawfully seized and possessed of, the parcels of land legally described on Exhibit A (the "Burdened Parcels"), which is attached hereto and incorporated herein by reference, and which are identified as Parcel ID Nos. 250720030 and 250700110 in the Office of the Winona County Recorder in the City of Lewiston, Winona County, Minnesota.

2. Grantee is the lawful owner, and is lawfully seized and possessed of, the tract of land legally described on Exhibit B (the "Benefitted Parcel"), which is attached hereto and incorporated by reference, in the City of Lewiston, Winona County, Minnesota.

3. Grantor hereby grants and conveys to the Grantee a nonexclusive permanent easement for ingress/egress access purposes over and across the Burdened Parcels for access to Fremont Street, as legally described on Exhibit C and depicted on Exhibit D, which exhibits are attached hereto and incorporated by reference (the "Access Easement" or "Easement Area"), in favor of the Benefitted Parcel.

4. Grantee does hereby agree to pay the cost of constructing and maintaining the driveway within the ingress/egress access Easement on the Burdened Parcels as a concrete driveway for Grantee and Grantor's pedestrian and vehicle use with said vehicles having a gross axle weight of 10,000 pounds or less per axle. Basic maintenance by the Grantee shall include snow plowing, grading, mowing and other routine maintenance as may be determined necessary from time to time by the City in the City's judgment and discretion for Grantee's continued ingress and egress upon the driveway from and to the Benefitted Parcel. Grantee agrees and acknowledges that there will be no reimbursement by the City for any maintenance to the Access Easement performed by Grantee. Grantee agrees that in the event the driveway should be damaged as a result of the acts of Grantee, then in that event Grantee shall repair the damage caused by its acts, at Grantee's expense, to the condition of the driveway, satisfactory to the City, which preexisted the damage.

5. Grantee shall commence no work authorized by this Agreement related to construction, repair or replacement of the driveway improvements authorized herein until it has obtained all required approvals and permits as required by the City. The City shall approve plans and specifications for all improvements or alterations within the Access Easement prior to any commencement thereof by Grantee. No upgrades to the driveway may be made by Grantee unless approved in writing by the City.

6. Grantor hereby irrevocably waives any and all claims against the City or any of its officials, employees or agents for any bodily injury (including death), loss or property damage incurred by the Grantee or any person using the Easement Area and hereby irrevocably releases and discharges the City and any of its officials, employees or agents from any and all such claims of liability related in any way to the Easement Area, the improvements therein, or the City's maintenance, repair or other work conducted within the Easement Area.

7. Grantee shall indemnify, protect, save, hold harmless and insure the Grantor, and its respective officers, directors, employees and members and agents, from and against any and all claims and demands for, or litigation with respect to, all damages, including expenses, reasonable attorneys' fees, and costs of alternative dispute resolution, which may arise out of or be caused by Grantee or its agents, employees, contractors, with respect to Grantee's use of the Easement Area. Grantee shall defend Grantor against the foregoing, or litigation in connection with the foregoing, at Grantee's expense, with counsel reasonably acceptable to Grantor. Grantor, at its expense, shall have the right to participate in the defense of any Claims or litigation and shall have the right to approve any settlement, which approval shall not be unreasonably withheld. The indemnification provision of this section shall not apply to damages or other losses proximately caused by or resulting from the gross negligence or willful misconduct of Grantor. All indemnification obligations shall survive termination, expiration or cancellation of this agreement.

8. Grantee shall, at its expense, maintain in effect liability insurance with limits not less than the maximum liability limits for a municipality as provided in Minnesota Statutes, Section 466.04; the Grantor shall be an additional insured on such policy. The insurance policy and certificate shall not be canceled or its conditions altered in any manner without ten (10) days prior written notice to Grantor. Grantee shall deliver or cause to be delivered to Grantor, certificates of all insurance required, signed by an authorized representative and stating that all provisions of the specified requirements are satisfied. Grantee shall annually provide additional certificates of insurance to Grantor. If Grantee fails to maintain a policy of insurance as required by Grantor and/or provide updated and current certificates evidencing such required insurance to Grantor, and fails to provide updated certificates of all insurance required hereunder within fifteen business days after receiving a written notice of such failure from Grantor, Grantors may thereafter immediately terminate this agreement and require the immediate restoration of the Easement Area to its preexisting condition at the Grantee's sole cost and expense.

9. Grantor and its assigns and agents shall at all times have the right to enter upon the Easement Area for any purpose necessary to the performance of lawful powers and duties.

10. The provisions hereof shall ensure the benefit of and bind the successors and assigns of the respective parties hereto, and all covenants shall apply to and run with the land.

11. Each party agrees that it shall be responsible for its own acts and omissions and the results thereof to the extent authorized by law and shall not be responsible for the acts and omissions of the other party and the results thereof. The Grantor's liability shall be limited by the provisions of the Municipal Tort Claim Act, Minn. Stat. Ch. 466, and other pertinent law.

12. Grantor and Grantee agree to correct any legal descriptions contained herein if there is a mistake discovered, including any mistakes or discrepancies revealed by an accurate survey of the property identified herein.

[Signature pages to follow]

IN WITNESS WHEREOF, the parties have executed this document the day and year first above written.

GRANTOR:

CITY OF LEWISTON, MINNESOTA

By: Beth M Carlson

Beth Carlson, Its Mayor

ATTEST:

By: Ragini Varma

Ragini Varma, City Administrator/City Clerk-Treasurer

STATE OF MINNESOTA)

) ss.

COUNTY OF WINONA)

The foregoing instrument was acknowledged before me this 25th day of July, 2025, by Beth Carlson as Mayor and Ragini Varma as City Administrator/City Clerk-Treasurer on behalf of the City of Lewiston, a municipal corporation under the laws of the State of Minnesota, Grantee.

JASON A. WAGNER
Notary Public-Minnesota
My Commission Expires Jan 31, 2026

Notary Public

GRANTEE:

Minnwest Bank

By: _____
Kyle Ruprecht, Its Market President

STATE OF Minnesota)
) ss.
COUNTY OF Winona)

The foregoing instrument was acknowledged before me this 25th day of July, 2025, by Kyle Ruprecht as Market President of Minnwest Bank, a ~~[business entity]~~ corporation organized under the laws of the State of Minnesota, Grantee.

JASON A. WAGNER
Notary Public-Minnesota
My Commission Expires Jan 31, 2028

_____
Notary Public

City of Lewiston

75 Rice Street

Lewiston, MN 55952

EXHIBIT A

LEGAL DESCRIPTION OF BURDENED PARCELS

LEGAL DESCRIPTION:

LEGAL DESCRIPTION FOR PID 250720030 (Land Record 440813)

Commencing at the most northerly comer of Lot Three (3), Block One (1), Middle View First Addition; thence South 00 degrees 44 minutes 34 seconds West along the west line of Fremont Street for a distance of 185.03 feet to the point of beginning of the propeliy to be conveyed; thence South 00 degrees 44 minutes 34 seconds West along said west line of Fremont Street for a distance of 10.00 feet; thence South 89 degrees 58 minutes 39 seconds West for a distance of 92.00 feet lo a found 5/8 inch iron pipe; thence South 00 degrees 44 minutes 34 seconds West for a distance of 70.00 feet to a set 5/8 inch iron pipe; thence North 88 degrees 50 minutes 12 seconds West for a distance of 10.00 feet; thence North 00 degrees 44 minutes 34 seconds East 80 feet; thence easterly to the point of beginning and there terminating.

AND

LEGAL DESCRIPTION FOR PID 250700110 (Land Record 198D301)

Lot Three (3) in 0utlot Fifteen (15), Auditor' s Plat of Lewiston, "West Side", according to the plat thereof on file and of record in the office of the Register of Deeds within and for said County being a parcel of land 120 feet north and south by 131 feet east and west granting also to said grantee, its successors and assigns, as appurtenant to the above described premises, a right-of-way easement of the purpose of ingress to and agrees from said premises, over and upon the following described parcel, to-wit; Beginning at the Northeast corner of said Lot 3, Outlot 15, thence east 33 feet to the North and South quarter-section line in Section 14, Township 106 North, Range 9 West; thence South along the said quarter-section line to the North line of Williams Street in the Village of Lewiston; thence West 33 feet; thence North to the Southeast corner of said Lot 3, Outlot 15; thence North· along the East line of said Lot 3, Outlot 15 to the point of beginning.

EXHIBIT B

LEGAL DESCRIPTION OF BENEFITTED PARCEL

LEGAL DESCRIPTION:

LEGAL DESCRIPTION FOR PID 250720020 (Property being sold to bank)

Lot Two (2) of Block One (1), Middle View First Addition, being located upon and forming a part of the Southeast Quarter of the Northwest Quarter (SE¼ of NW¼) of Section Fourteen (14), Township One Hundred Six (106) North, of Range Nine (9), West of the Fifth Principal Meridian, Winona County, Minnesota.

PID: 25.072.0020

AND

The West 21.25 feet of Lot Three (3), Block One (1) Middle View First Addition, being located upon and forming a part of the Southeast Quarter of the Northwest Quarter (SE¼ of NW¼) of Section Fourteen (14), Township One Hundred Six (106) North, of Range Nine (9), West of the Fifth Principal Meridian, Winona County, Minnesota.

EXHIBIT C

LEGAL DESCRIPTION OF EASEMENT AREA

LEGAL DESCRIPTION:

DESCRIPTION FOR 24 FOOT EASEMENT AREA

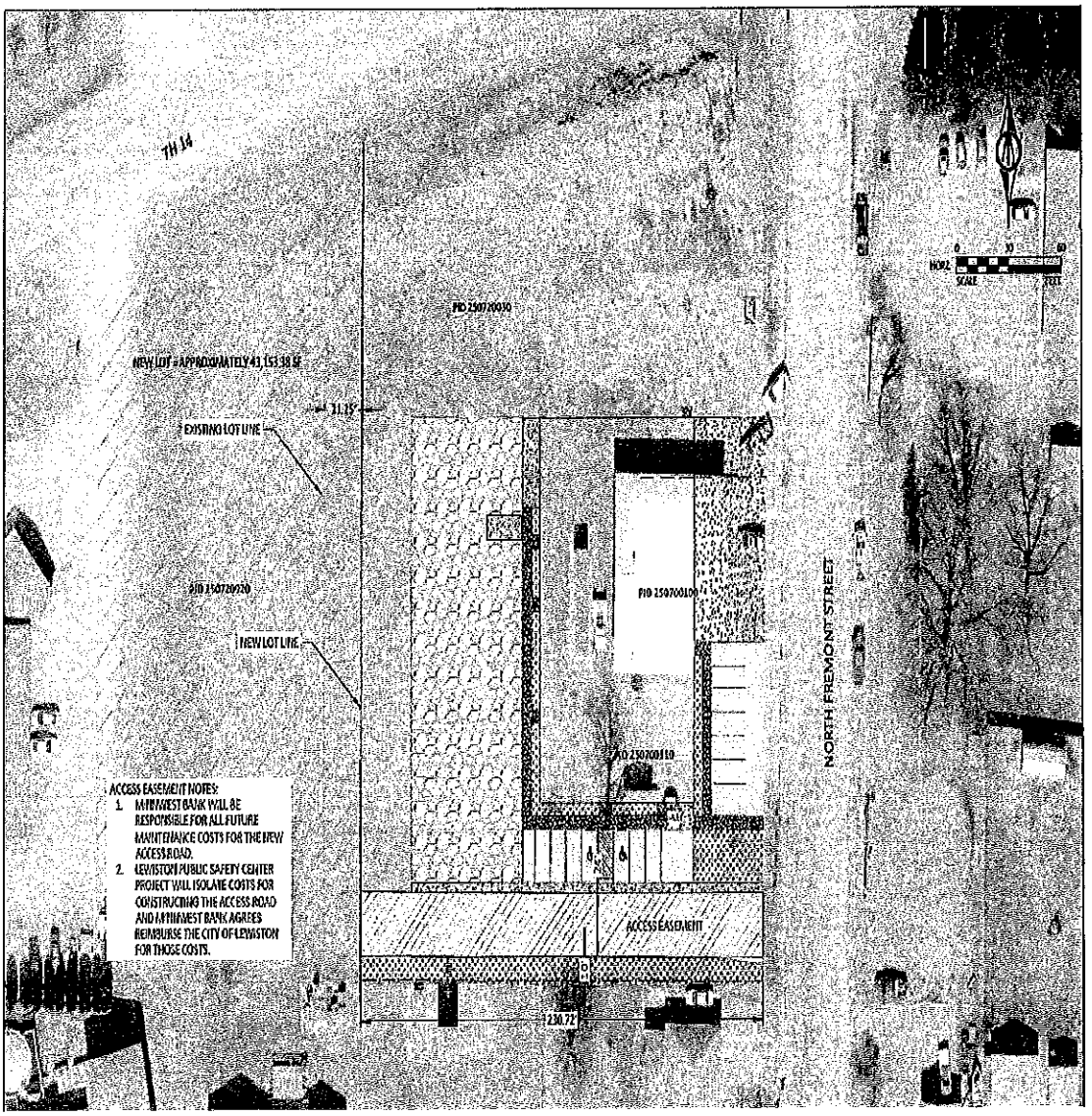
The North 24.00 feet of the South 34.00 feet of Lot 3, Block 1, Middle View First Addition, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

AND

The North 24.00 feet of the South 34.00 feet of Lot 3 in 15 (OUTLOT 15), Auditor's Plat of Lewiston West Side, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

EXHIBIT D

DEPICTION OF EASEMENT AREA



SHARED DRIVEWAYAGREEMENT

This SHARED DRIVEWAY AGREEMENT is entered into effective _____, 2026, by and between David P. Butenhoff and Christine L. Butenhoff, married to each other ("Butenhoff") and Minnwest Bank, a banking corporation under the laws of the State of Minnesota, ("Minnwest")

RECITALS

WHEREAS Butenhoff owns the following real property described in the attached Exhibit "A", which contains an existing driveway along the easterly 20 feet of the property.

WHEREAS Minnwest owns the following real property described in the attached Exhibit "B", which contains an existing driveway along the westerly 20 feet of the property.

WHEREAS Butenhoff and Minnwest (collectively, "the parties") desire to enter into a shared driveway agreement providing for the use, maintenance and repair of the driveway located on the easterly 20 feet of the Butenhoff Property and the westerly 20 feet of the Minnwest property (hereinafter referred to as "driveway area").

WHEREAS the parties are willing to grant a driveway easement to each other over, under, and across the easement area for the portions of the driveway area contained on each of their respective parcels on the terms and conditions set forth below.

NOW, THEREFORE, the parties agree as follows:

1. Conditioned upon compliance with the terms of this Agreement, the parties grant to each other a non-exclusive, perpetual easement for ingress and egress purposes over, under and across the driveway area.

2. The driveway area shall be used by the parties, their invitees and guests for the purpose of ingress and egress to and from their respective parcels.

3. No party shall make use of the driveway area, nor permit any invitee or guest to make use of the driveway area so as to block the easement area or to interfere with the use of the driveway area by any other party or any invitee or guest.

4. Each party shall be mutually responsible for the costs of maintenance (including snow removal), repair, replacement and improvement for the driveway area.

5. Each party reserves the right to discontinue their use of the driveway area, but the discontinuance of the said use shall in no way interfere with or restrict the rights to the others to the use of the driveway area granted herein. Such discontinuance of use shall be by written notice to the other party and following 90 days thereafter, the maintenance of the said driveway area shall then be the responsibility of the party continuing to use the same.

6. Any damage caused to the driveway area shall be repaired solely at the expense of the party responsible for said damage.

7. In the event of a dispute concerning the use of the driveway area or the costs of repair, maintenance, replacement or improvement, any party may initiate arbitration. Such dispute shall be submitted to binding arbitration by one arbitrator chosen by agreement of the parties sharing the driveway area. If the parties cannot agree as to the choice of one arbitrator, each party shall choose an arbitrator, and the two arbitrators so chosen shall chose a third arbitrator, and the three arbitrators so chosen shall conduct the arbitration and render the arbitration decision by majority vote. Arbitrators must be Olmsted County residents. The costs of arbitration shall be shared equally between the parties.

8. This Agreement and the Exhibit attached hereto set forth the entire agreement between the parties hereto with respect to the transactions contemplated hereby or related thereto, superseding in all respects any and all prior oral or written agreements or understanding relating thereto. This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which taken together shall constitute one agreement. This Agreement may not be modified except by a writing executed by the parties hereto. Section and article headings used in this Agreement have no legal significance and are used solely for convenience or reference.

9. All rights, title and interest described herein, together with the covenants and obligations and ensuing therefrom shall run with the land and shall be binding upon the owners thereof, their heirs, successors and assigns.

IN WITNESS WHEREOF, the parties have here onto set their hands the day and year indicated below.

Date: _____ _____
David P. Butenhoff

Date: _____ _____
Christine L. Butenhoff

STATE OF _____)
)ss.
COUNTY OF _____)

This instrument was acknowledged before me on _____, by David P. Butenhoff and Christine L. Butenhoff, married to each other

_____
Notary Public

Minnwest Bank

Date: _____ _____

By: _____

Its: _____

STATE OF _____)

)ss.

COUNTY OF _____)

This instrument was acknowledged before me on _____, by _____ as _____ of Minnwest Bank, a banking corporation under the laws of the State of Minnesota.

_____

Notary Public

This Instrument drafted by:

WAGNER OEHLER, LTD.
Legal & Title Services
1801 Greenview Drive SW, Ste. 102
Rochester, MN 55902
Telephone: (507) 288-5567
W-26-3416

Exhibit A

Butenhoff Property

That part of Lots 1, and 4 of Outlot 15, Auditor's Plat of Lewiston, West Side, Winona County, Minnesota, described as follows:

Commencing at the northeast corner of Lot 3, Block 3, Circle Pines Estates; thence North 00 degrees 19 minutes 59 seconds East (Note: All bearings are in relationship with the east line of Circle Pines Estates, which is assumed) along the east line of said Circle Pines Estates a distance of 19.08 feet to the POINT OF BEGINNING; thence continue North 00 degrees 19 minutes 59 seconds East along said east line a distance of 210.00 feet to the southerly Right-of-Way of Highway No. 14; thence North 68 degrees 44 minutes 29 seconds East along said southerly Right-of-Way a distance of 139.81 feet; thence South 00 degrees 19 minutes 59 seconds West a distance of 261.45 feet; thence North 89 degrees 40 minutes 01 seconds West a distance of 130.00 feet to the POINT OF BEGINNING; said parcel shall also be known as Lot One (1), Block One (1), Middle View First Addition, City of Lewiston, Winona County, Minnesota.

Parcel No. 250720010

Exhibit B

Minnwest Property

Lot Two (2) of Block One (1), Middle View First Addition, being located upon and forming a part of the Southeast Quarter of the Northwest Quarter (SE¼ of NW¼) of Section Fourteen (14), Township One Hundred Six (106) North, of Range Nine (9), West of the Fifth Principal Meridian, Winona County, Minnesota.

PID: 25.072.0020

AND

The West 21.25 feet of Lot Three (3), Block One (1) Middle View First Addition, being located upon and forming a part of the Southeast Quarter of the Northwest Quarter (SE¼ of NW¼) of Section Fourteen (14), Township One Hundred Six (106) North, of Range Nine (9), West of the Fifth Principal Meridian, Winona County, Minnesota.

Together with an Easement over the following described property:

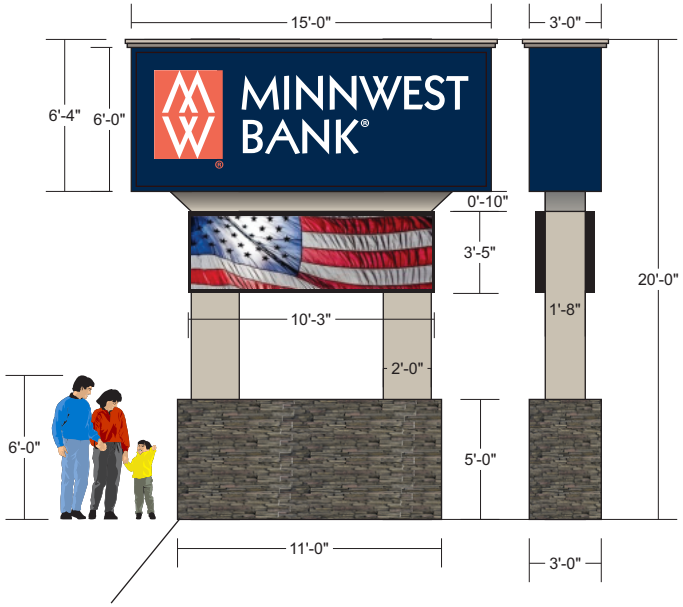
The North 24.00 feet of the South 34.00 feet of Lot 3, Block 1, Middle View First Addition, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

AND

The North 24.00 feet of the South 34.00 feet of Lot 3 in 15 (OUTLOT 15), Auditor's Plat of Lewiston West Side, according to the recorded plat thereof, on file at the office of the County Recorder, Winona County, Minnesota.

Sign Job A-Z\M\MinnWast Bank\ St Cloud\JC-091224-01-A.cdr

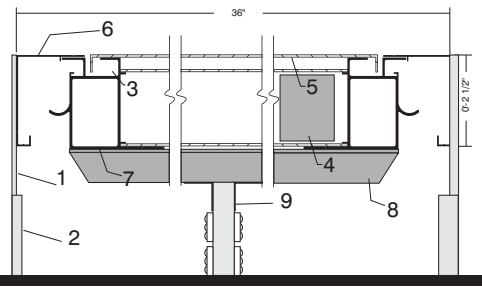
FINAL ART



Stonework by others

Actual colors may vary slightly from examples shown due to limitations in the printing process.

WIDE FAB FRAME / FLAT RETAINER



1. Rigid face
2. acrylic backer
3. Drain Channel
4. Power supply
5. Aluminum Filler
6. 2.5" Flat Retainer
7. Wide fab Frame
8. Angle Iron cross member
9. LED illumination
10.

BRAND-	Watchfire
Model:	W16
Matrix:	54x180
Cabinet size:	41" x 123"
Color:	RGB
# of sides:	2
# of lines:	6
# of pixels/face:	9720
Height of lines:	4"
Pixel Pitch:	16mm
Viewing Angle:	140 Horiz / 70 Vert
Communication:	4G Wireless
Total Amps:	18
Power Usage:	11.2 KWHrs a day
Mounting Type:	To pylon

QTY:	1
# of sides	2

Install notes: direct burial pylon sign

OAH-	30'

COLORS-	
Cabinet:	2380C,
Faces:	white
Vinyl:	7416C, 2380C

ARTWORK PROPERTY OF PRECISION SIGNS LLC.
This is an original unpublished drawing, created by Precision Signs LLC. It is submitted for your personal use in connection with the project being planned for you by Precision Signs LLC. It is not to be shown to anyone outside your organization, nor is it to be used, reproduced, copied or exhibited in any fashion whatsoever. All or any part of this design (excepting registered trademarks) remain the property of Precision Signs LLC. If all or part of this drawing is used without the written consent of Precision Signs LLC., a $500.00 fee will be charged for the purchase of this custom artwork. **Re: Ferrin vs. Glades Merc. Co. Fla. 1977**

Print Name:_____ **Signature:**_____ **Date:**____/____/____ **Approve:** ☐ **With Changes:** ☐

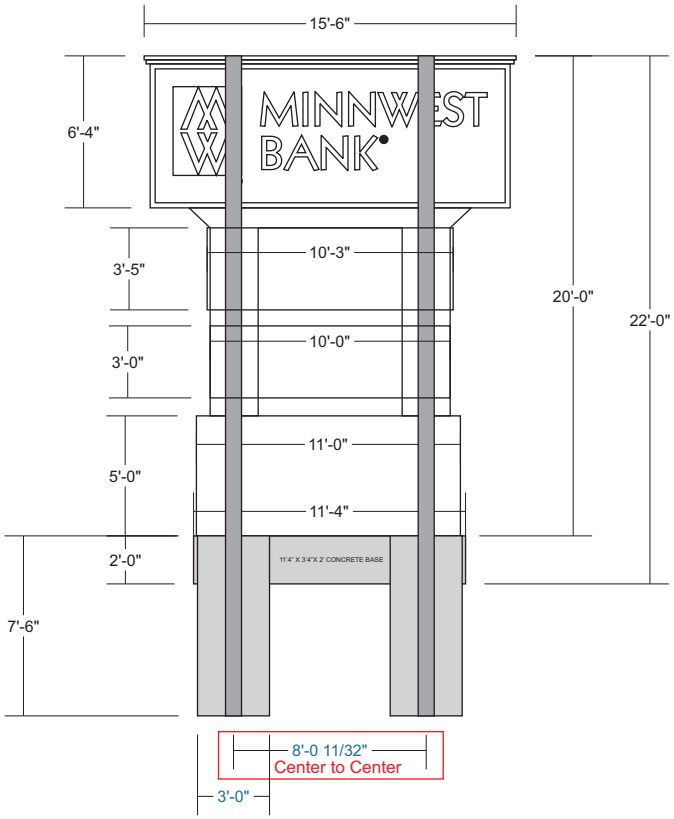
Date: 9/12/24 **Prepared for:** Minnwest Bank **Sales Rep:** Craig Holschlag **Designer:** Jeremy Christenson **Design #:** JC-091224-01-A **Scale:** 1" = 8'

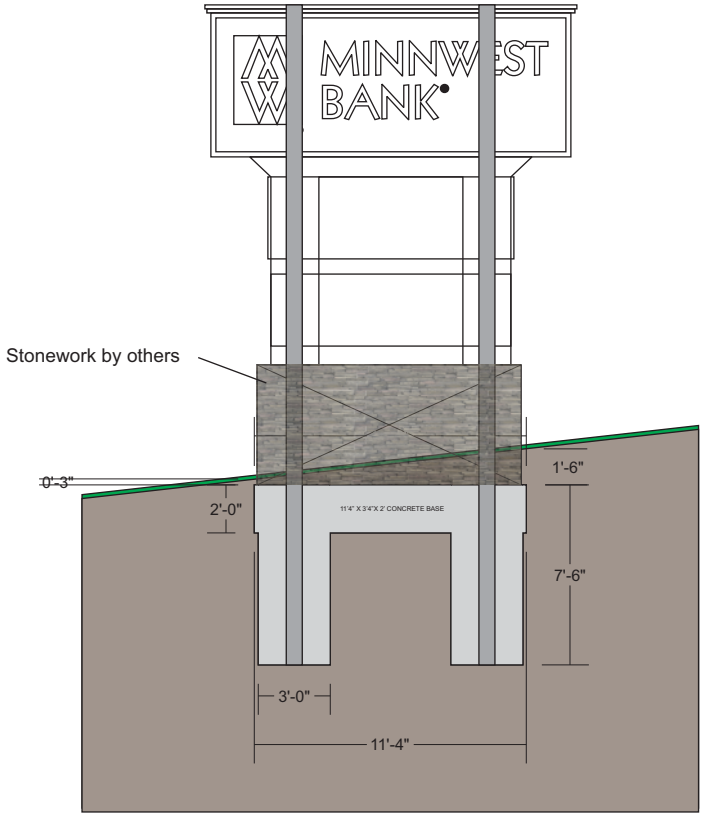
Notes: JC-0912224-01-A 1 Qty - Double sided internally LED illuminated pylon sign with routed aluminum faces, and a double sided tenant cabinet. Sign engineered for a optional message center, a decorative topper and pole cover. UL listed. brickwork by others.

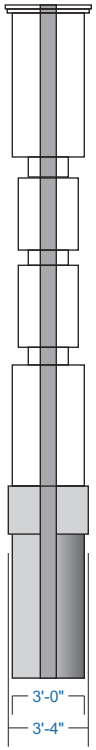
Job Site address:
3130 2nd St S
St Cloud, MN

Phone: 651-454-0004
Contact: Dave Klun

PRECISION SIGNS LLC
Make a **POWERFUL** *First Impression!*
1000 10th Dr SE Ph: 800-769-9535
Austin, MN 55912
www.precisionsigns.net







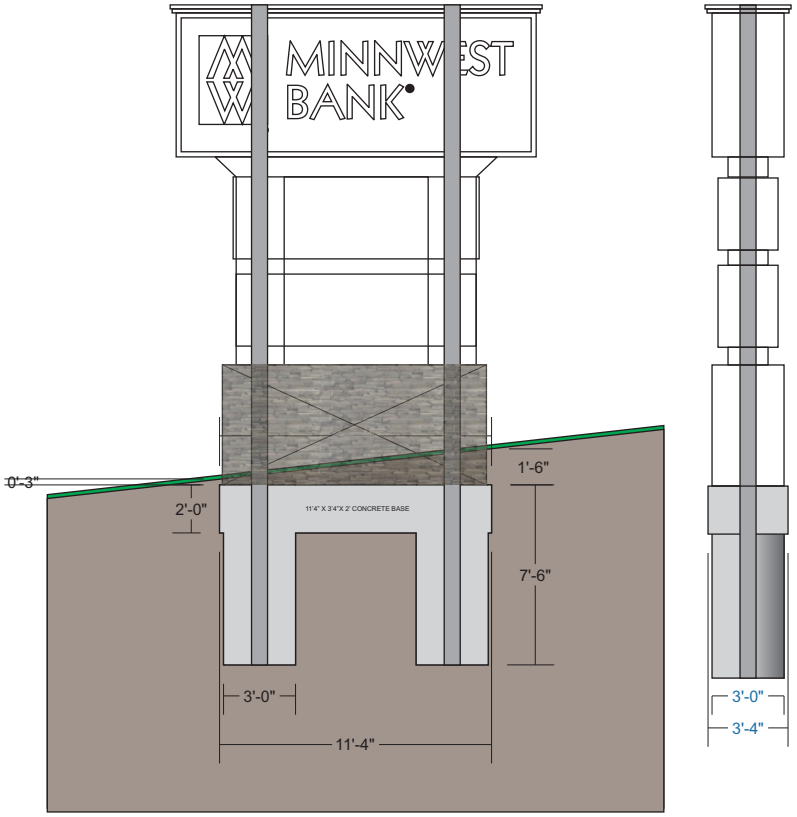
Centroid Height: 12.000 ft
Sign Area: 186.500 sq ft
Number of Support Columns: 2
Steel type: new
Wind Pressure: 30.000 lbs/ sq ft

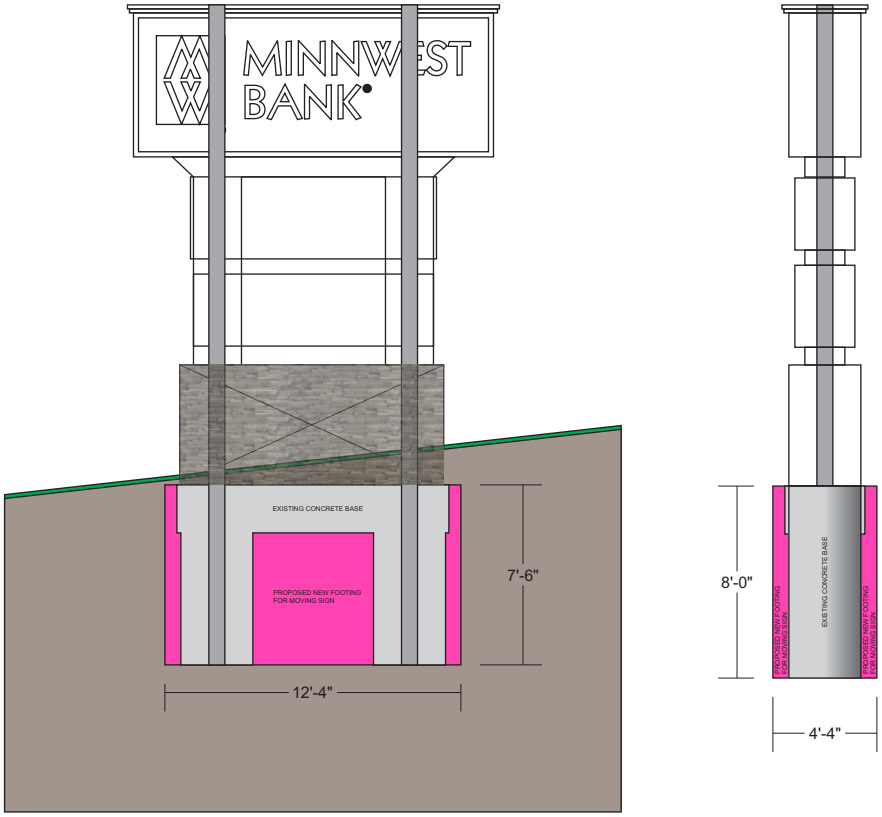
Section Modulus: 13.428 per column
Schedule 40 pipe (in inches,ROUND): 8.000 each column
OR 7.000 inch Steel SQUARE Tube:(0.250 inch wall),each column

---

Caisson type: Circular
Base Diameter/Width: 3.000 ft
Vert. Bearing Soil Pressure: 1500
Lateral Bearing Soil Pressure: 150
Est. Sign Weight: 1000.000 lbs
Est. Column Weight: 1000.000 lbs/each

Footing Depth: 7.500 ft per column
Valid Footing Diameter: 3.000 ft per column
Concrete Yards: 1.873 yards per column x 2 = 3.746 yards total





Centroid Height: 12.000 ft
Sign Area: 186.500 sq ft
Number of Support Columns: 2
Steel type: new
Wind Pressure: 30.000 lbs/ sq ft

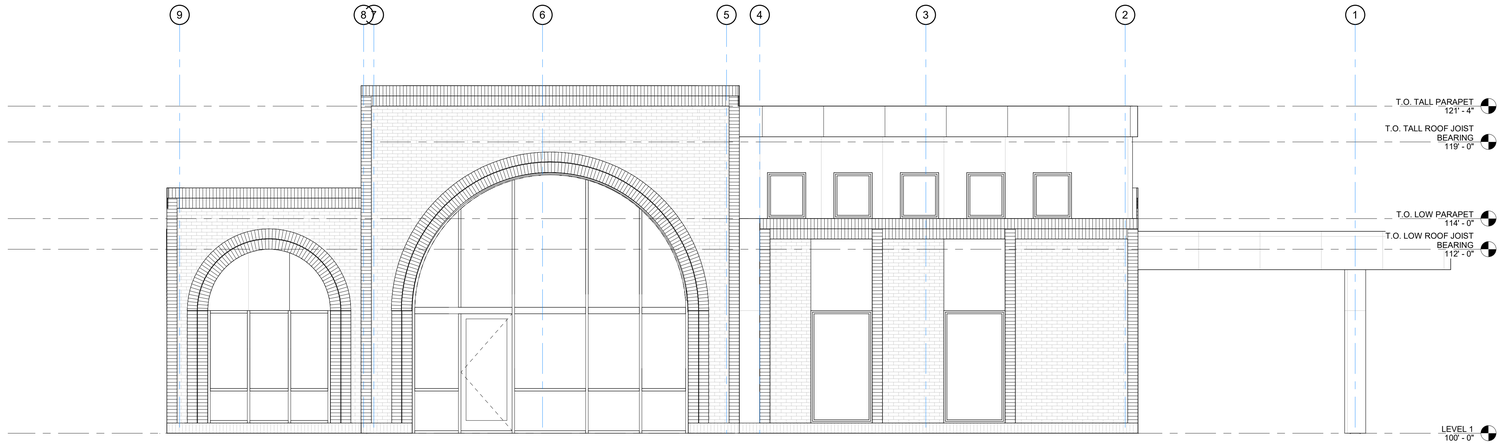
Section Modulus: 13.428 per column
Schedule 40 pipe (in inches,ROUND): 8.000 each column
OR 7.000 inch Steel SQUARE Tube:(0.250 inch wall),each column

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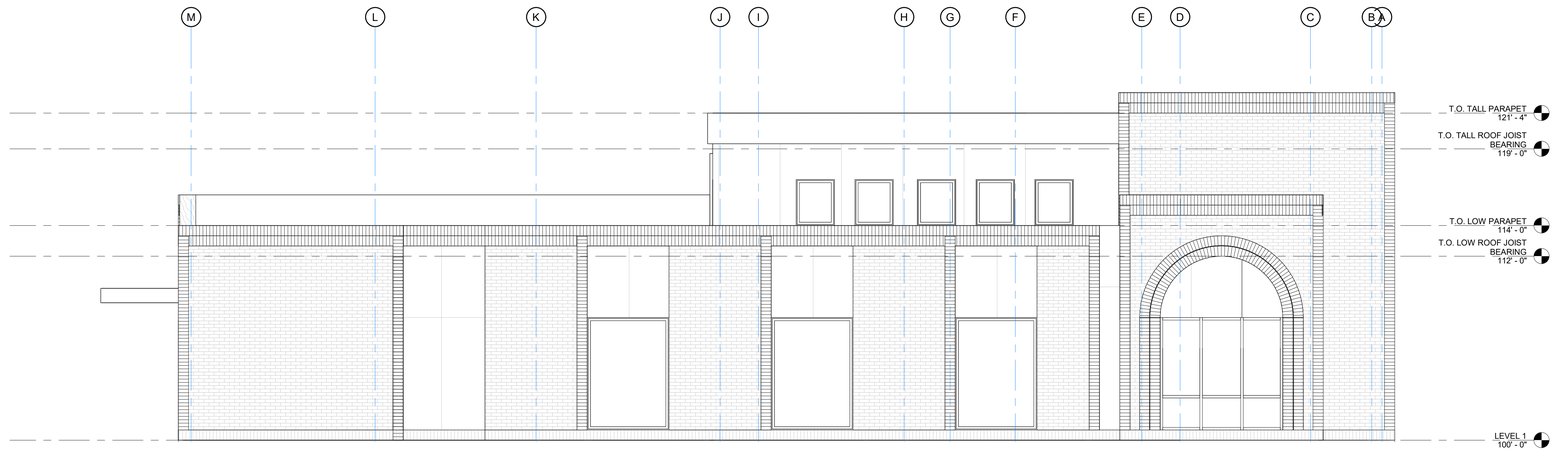
Caisson type: Circular
Base Diameter/Width: 3.000 ft
Vert. Bearing Soil Pressure: 1500
Lateral Bearing Soil Pressure: 150
Est. Sign Weight: 1000.000 lbs
Est. Column Weight: 1000.000 lbs/each

Footing Depth: 7.500 ft per column
Valid Footing Diameter: 3.000 ft per column
Concrete Yards: 1.873 yards per column x 2 = 3.746 yards total

1/27/2026 1:23:04 PM



1 NORTH ELEVATION
1/4" = 1'-0"



2 EAST ELEVATION
1/4" = 1'-0"

CRW
architecture
+ design group

211 11th ave nw
rochester, mn 55901
p. 507.206.6201
f. 507.206.4621
www.crwarchitecture.com

G-CUBED
Engineering - Surveying - Planning

Structural Service & Design, Inc.
Structural Service & Design, Inc.
WIDSETH

NOT FOR CONSTRUCTION

12 / 31 / 2025
NUMBER DATE

MINNWEST BANK
LEWISTON BRANCH
LEWISTON MINNESOTA

PROJECT NUMBER 25-029
DATE 12 / 31 / 2025
DRAWN BY Author
CHECKED BY Checker
ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE

No.	ISSUED FOR	DATE
01	DD SET	02/13/26

EXTERIOR ELEVATIONS

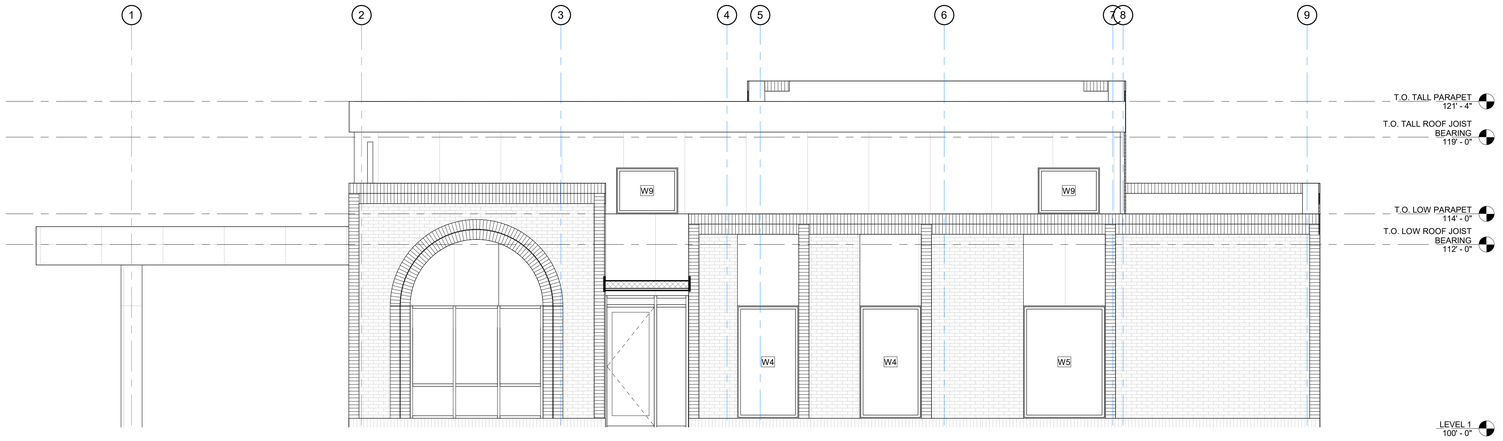
SHEET NUMBER
A2.00

OF SHEETS
199

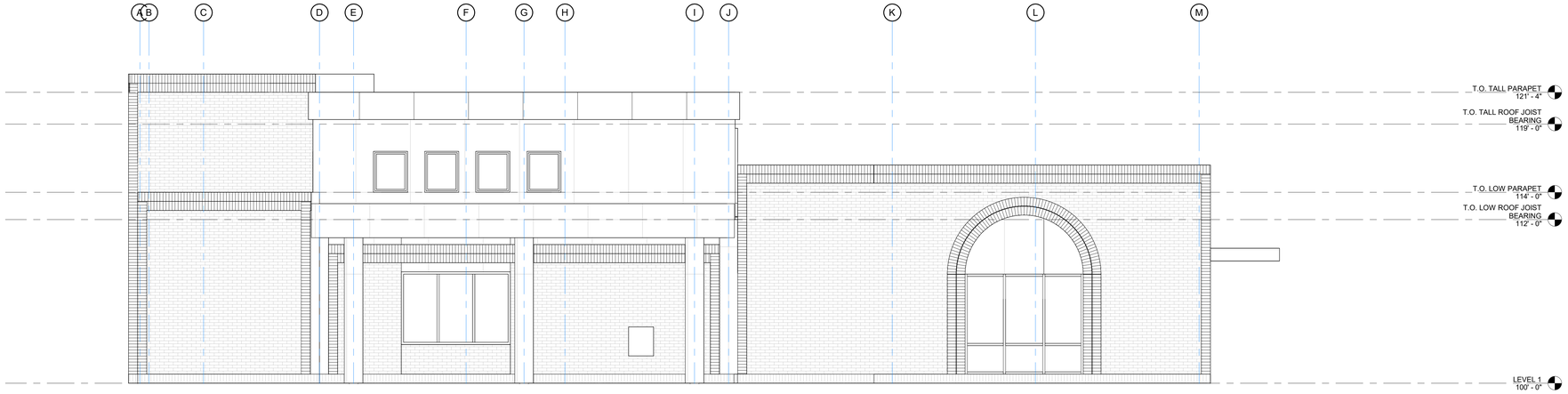
© 2026 CRW architecture + design group

Autodesk Docs://Minnwest Bank - Lewiston/25-029 Minnwest Bank Lewiston R24.rvt

1/27/2026 1:23:05 PM



1 SOUTH ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"

CRW architecture + design group
211 11th ave nw
rochester, mn 55901
p. 507.206.6201
f. 507.206.4621
www.crwarchitecture.com

G-CUBED Engineering - Surveying - Planning

Structural Service & Design Inc.
Structural Service & Design, Inc.

WIDSETH

NOT FOR CONSTRUCTION

12 / 31 / 2025
NUMBER DATE

MINNWEST BANK
LEWISTON BRANCH
LEWISTON MINNESOTA

PROJECT NUMBER 25-029
DATE 12 / 31 / 2025
DRAWN BY Author
CHECKED BY Checker
ISSUE/REVISION HISTORY

NO.	REVISIONS	DATE

No.	ISSUED FOR	DATE
01	DD SET	02/13/26

EXTERIOR ELEVATIONS

SHEET NUMBER
A2.01
OF SHEETS 200

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Autodesk Docs://Minnwest Bank - Lewiston/25-059 Minnwest Bank Lewiston R24.rvt

Drainage Report
for
Minnwest Bank – Lewiston
City of Lewiston, MN

Owner:
Minnwest Bank
Box 284
Slayton, MN 56172

Site Address:
6205 Highway 14
Lewiston, MN 55952

Site Engineer / SWPPP Prepared by:
G-Cubed Engineering, Surveying & Planning
14070 Hwy 52 SE
Chatfield, MN 55923
(507) 867-1666
Certified SWPPP Designer: Jason Kappers, PE
[SWPPP certified thru 2027]

Excavator / Earthwork
TBD

G-Cubed Project #25-143

Estimated Construction Dates:
Start of Construction: Spring 2026
Estimated Completion of Construction: Fall 2026
This report shall be updated as needed to meet the requirements of any City of Lewiston or Winona County ordinances, or as needed to provide the Best Management Practices available.
Last Revised Date: 01/19/26

I hereby certify this Report was prepared by me or under my direct supervision, and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.



Jason Kappers, PE
Date: 01/19/26 Reg. No. 62741

SITE EVALUATION, ASSESSMENT, AND PLANNING

Project Information:

The proposed improvements fall within the northwest quarter of Section 14, Township 106 North, Range 09 West, all situated in the City of Lewiston, MN.

Latitude: 43°59'13.62"N | Longitude: 91°52'13.22"W per Google Earth Pro.

This project is not in Indian Country. It is not part of a federal facility. An EAW was not performed for this project. This project and associated actions do not meet the threshold for a mandatory review.

Project Overview:

Minnwest Bank is proposing to construct a 4,890 ft^2 building and associated parking on Lot 2, Block 1, MIDDLE VIEW FIRST ADDITION. The site address is 6205 Highway 14, Lewiston, MN 55952 and parcel ID# is 25070020. The layout incorporates two accesses, one off of Hwy 14 (main entrance) and a secondary access off of North Fremont Street to the east. The primary entrance is an existing access and is shared with Valley View Paint & Body, City Auto Glass business to the west. The secondary access is via a 24' easement, which runs east-west, south of the City of Lewiston EMS building. A drive-thru window and ATM is proposed on the west side of the building, with a wrap-around drive looping around the south side of the building and tying into the east parking lot.

The Middle View First Addition construction plans dated January, 2001 depict 8" watermain and 8" sanitary sewer mains running east-west paralleling the south property line. The plans do show a 2" water service stub and 6" sanitary sewer service stub into the subject lot, which are proposed to be extended to the new building.

The site is zoned B-1 – Service Business District. Hwy 14 lies to the north, lots contiguous west and east are also zoned B-1, with R-1 residential property to the south. A privacy fence is proposed along the south property line to buffer the proposed use to the residential homes south per City code. The privacy fence is planned to extend along the west property line to the drive-thru radii tangent, where privacy chainlink fence (slatted) is planned along the west property line up to the shared entrance.

Soils disturbed by the project are of the Tama silt loam, driftless (N536A). Tama silt loam is well drained and non-hydric per the USDA NRCS Web Soil Survey. A total of six (6) soil borings were conducted on-site by American Engineering Testing (AET) in the area of the proposed building footprint and parking lot/drive aisles. The borings generally yielded topsoil/fill and lean clays overlaying silts. The AET report dated October 17, 2025 is appended to this document for reference.

The total land disturbance is 1.04 acres which requires that an NPDES permit through the MPCA be applied for. There are 0.58 acres of new impervious created with this project. As this site introduces less than an acre of new impervious, and the site does not fall under a common plan of development, permanent stormwater treatment is not required.

A site plan with grading, drainage and erosion control measures was created for this project. This drainage report is a supplemental document and shall be a part of said plans.

Hydrologic Modeling:

Hydrologic modeling for this project utilizes HydroCAD® (v10.20-7a) and HydraFlow Storm Sewers® with MSE 24-hour Storm Curve 3 rainfall formation and NOAA ATLAS 14 rainfall depths of 2.94", 4.47", 5.66" and 7.81" for the 2-, 10-, 25- and 100-year events, respectively. HydroCAD® was used to analyze the proposed inlets and swale. HydraFlow Storm Sewers® was used to analyze and size the proposed private storm sewer within the project. Tama silt loam is listed as Hydrologic Soil Group (HSG) C per the USDA NRCS Web Soil Survey; thus, Type C soils were used in the HydroCAD® model.

Proposed Conditions - Overview:

A subcatchment map was created with each subcatchment routed to a proposed storm structure. Off-site areas that drain onto the site are accounted for to ensure accurate storm sewer sizing. The subcatchments were named according to their respective structure, i.e. P-Roof Drain #1 reaches Roof Drain #1, P-Inlet #1 reaches Inlet #1, etc. The subcatchment map can be found in Appendix A.1 of this report.

Proposed Conditions – Storm Sewer:

HydraFlow Storm Sewers® was used to size the pipes that will convey runoff from a 10-year event within the site. The HydraFlow Report can be found in Appendix A.2. HydraFlow accounts for all bypass flows, inlet capacity, inlet efficiency, inlet depths and much more design criteria used to model the system. A Nyloplast 18" drain basin with pedestrian grate is proposed for Inlet #1 and Inlet #2, with roof drains modeled as direct connections to the pipe network. The inlets and roof drain laterals connect to the trunk line, which runs parallel to and west of the building. The trunk line outlets at the low point of the property on the north side of the site, just east of the shared entrance.

Proposed Conditions – Inlets & Swale:

The proposed off-street inlets and the proposed swale along the east property line were analyzed in HydroCAD®. The HydroCAD® report can be found in Appendix A.3. As noted above, Inlet #1 and Inlet #2 are proposed 18" Nyloplast drain basins with pedestrian grates. Inlet #1 and Inlet #2 are located on the southwest side and south of the building at localized depressions within greenspace, respectively. The table below depicts inlet data for the 100-year event:

Storage / Depression I.D. #	Drainage Area (acres)	100 Year Storm Event				
		Q_{IN} (cfs)	Q_{OUT} (cfs)	Peak Elevation (ft)	E.O. Elevation (ft)	Freeboard to 1230.20 FFE (ft)
Inlet #1	0.44	4.36	4.26	1228.74	1229.07	1.46
Inlet #2	0.06	0.57	0.56	1228.64	1229.20	1.56

Inlet Summary

There is ~1.5ft of freeboard to the FFE based on the reported 100yr HWL of 1228.74 and 1228.64 for Inlet #1, and Inlet #2, respectively. The E.O. for Inlet #2 is situated on the southwest inside radii of the drive-thru (ribbon curb). In the event this inlet becomes plugged or is inoperable, flows would reach the ribbon curb, overland flow across the drive-thru pavement to Inlet #1. The E.O. for Inlet #1 is the 'high point' of the westernmost curb flowline, where the drive-thru curb becomes tangential. In the event this inlet becomes plugged or is inoperable, flows would continue along the curb flowline to the north side of the site.

The swale on the west side of the developing EMS site (parallel to the east property line of the Minnwest site) is proposed to be shaped into a 4' flat bottom ditch in lieu of a v-ditch style to improve conveyance and ease long-term maintenance. The contributing watershed to this swale consists of the proposed Minnwest east parking area, west half of the City's EMS building and southerly access drive, west parking behind the EMS building, and a portion of the 4 Williams St property, contiguous south.

The swale was modeled in HydroCAD® for confirmation of adequate conveyance and containment of the 100-year event. The Minnwest contributing watershed to this swale is P-Swale and contributing offsite watershed to this swale is denoted as P-Swale Offsite. The 10-, 25- and 100-year flowrates and velocities are depicted in the table below:

Channel ID	Drainage Area (acres)	Modeled Slope (%)	10-Year Flow/Velocity	10-Year Max Depth (ft)	25-Year Flow//Velocity	25-Year Max Depth (ft)	100-Year Flow//Velocity	100-Year Max Depth (ft)
Swale	1.28	1.20	6.14/3.06	0.35	8.15/3.32	0.41	11.78/3.69	0.49

Swale Summary

The capacity of the swale based on a depth of 1', bottom width of 4', 6:1 & 4:1 inslopes, Manning's n of 0.022 (Earth, clean & straight) and slope of 1.2% is 49.12 cfs. The 100yr flow of 11.78 cfs is approx. 25% of the swale capacity. The 100yr flow depth of 0.49' is contained within the swale.

The proposed swale adequately contains and conveys all analyzed events. The Hydraulic Toolbox software was utilized to determine the peak shear stress in the swales via entering the swale geometry and slope, 100yr flowrate and Manning's 'n'. A Manning's 'n' value of 0.022 was used as the swale falls under the 'Earth, clean & straight' category. The reported peak shear stress is 0.37 lb/ft^2. The Hydraulic Toolbox report on swale shear stresses can be found in Appendix A.5.

Table 4.2 and 4.4 of the Second Edition of the Open Channel Hydraulics textbook by Terry W. Sturm was used as a reference for the classification of vegetal cover as to

degree of retardance and properties of vegetal retardance. It was found that an excellent stand of native tall grasses has a vegetal retardance class of A which corresponds to a permissible shear stress of 3.70 lb/ft^2. A good stand of native grasses has a vegetal retardance class of B which corresponds to a permissible shear stress of 2.10 lb/ft^2 and a good stand of mowed Bermuda grass has a vegetal retardance class of C with permissible shear stress of 1.00 lb/ft^2. The peak shear stress reported falls under the permissible shear stress range of a vegetal retardance class of C which is the expected cover. The referenced tables can be found in Appendix A.6.

Temporary Storm Water Treatment Measures:

A temporary sedimentation basin is required when a project is within one mile of an impaired water and disturbs in excess of five (5) acres. If there are no impaired waters within one mile of the site, a temporary sedimentation basin is required if the project disturbs ten (10) acres. As the total project disturbance is 1.04 acres of land, a temporary sedimentation basin is not required.

Permanent Stormwater Treatment:

There are 0.58 acres of new impervious created with this project. As this site introduces less than an acre of new impervious and does not fall under a common plan of development, permanent stormwater treatment is not required.

Summary:

The proposed improvements include the construction of a 4,890 ft^2 building with associated parking/drive aisles. Stubbed sanitary sewer and water services will be extended to the new building as part of the improvements. The proposed storm infrastructure has been designed to convey the 10-year event per City design standards. There is >1ft of freeboard from proposed surface inlets on-site to the finished floor elevation of the building. Critical emergency overflow elevations are situated away from the building and are set a minimum 1ft lower than the finished floor. The swale adequately contains and conveys all analyzed events based on its channel geometry and roughness coefficient.

Proposed drainage exhibits, models and supplemental info can be found in Appendix A and Appendix B of this report.

APPENDIX A (PROPOSED CONDITIONS)

A.1 Proposed Conditions Subcatchment Map

A.2 HydraFlow® Report on Proposed Storm Sewer Network

A.3 Proposed Conditions Watershed Map

A.4 HydroCAD® Report on Inlet #1, Inlet #2 & Swale

A.5 Hydraulic Toolbox – Swale Shear Stress Analysis

A.6 Table 4.2 & 4.4 – Open Channel Hydraulics, Second Edition (Terry W. Sturm) – Vegetal Cover Retardance Classifications & Properties

A.1 Proposed Conditions Subcatchment Map

US HIGHWAY 14

TEL

OUTLET #1

C.O. #1

C.O. #2

C.O. #3

C.O. #4

C.O. #5

C.O. #6

C.O. #7

R.D. #1

R.D. #4

INLET #1

INLET #2

P-ROOF DRAIN #1
0.01 ACRES TOTAL
0.01 ACRES IMPERIOUS

P-ROOF DRAIN #2
0.01 ACRES TOTAL
0.01 ACRES IMPERIOUS

P-ROOF DRAIN #3
0.01 ACRES TOTAL
0.01 ACRES IMPERIOUS

P-ROOF DRAIN #4
0.10 ACRES TOTAL
0.10 ACRES IMPERIOUS

P-INLET #2
0.06 ACRES TOTAL
0.01 ACRES IMPERIOUS
0.05 ACRES PERVIOUS

P-INLET #1
0.10 ACRES TOTAL
0.06 ACRES IMPERIOUS
0.04 ACRES PERVIOUS

P-INLET #1 OFFSITE
0.34 ACRES TOTAL
0.17 ACRES IMPERIOUS
0.17 ACRES PERVIOUS

F&I 3" WA

VALLEY VIEW PAINT & BODY
CITY AUTO GLASS
6240 HIGHWAY 14
LEWISTON, MN 55952

ZONED B-1

MINNWEST BANK
6205 HIGHWAY 14
LEWISTON, MN 55952

ZONED B-1

THICKENED EDGE WALK

CITY OF LEWISTON
85 FREMONT ST N
LEWISTON, MN 55952

FFE: 1230.40

ZONED B-1

GENSMER RECOVABLE TRUST
12 WILLIAMS ST
LEWISTON, MN 55952

FRAZEN, RANDY & DEBRA
10 WILLIAMS ST W
LEWISTON, MN 55952

PLAYGROUND

ZONED R-1

BASKETBALL COURT

MATZKE, CHARLES & JENNIFER
4 WILLIAMS ST
LEWISTON, MN 55952

WISE, JODI
65 FREMONT ST N
LEWISTON, MN 55952

NORTH

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 IN = 20 FT

LEGEND

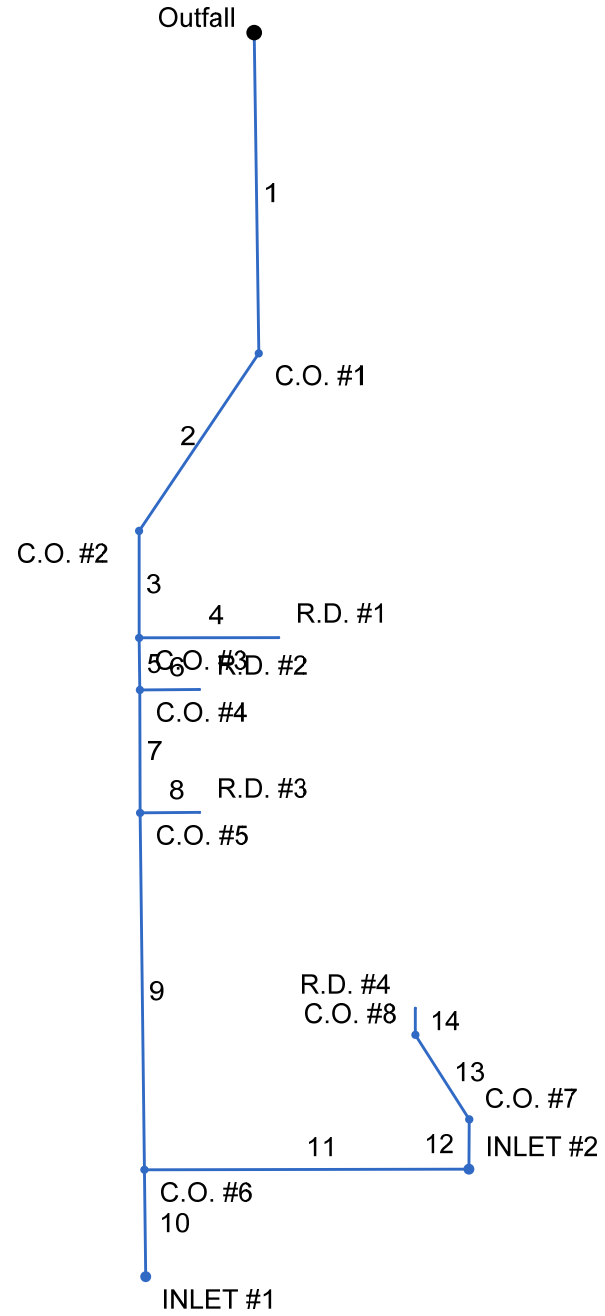
- MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- FLOW LINE
- DRAINAGE ARROW

MINNWEST BANK LEWISTON
PROPOSED SUBCATCHMENTS

G-Cubed
ENGINEERING
SURVEYING
PLANNING
14070 Hwy 52 S.E.
Chatfield, MN 55923
Ph. 507-867-1666
Fax 507-867-1665
www.ggg.to

A.2 HydraFlow® Report on Proposed Storm Sewer Network

Minnwest Bank Lewiston 10yr



Project File: 25-143 Minnwest Lewiston Pipes Final.stm	Number of lines: 14	Date: 1/19/2026

25-143

Line No.	Inlet ID	DnStm Ln No	Line Length (ft)	Drng Area (ac)	Runoff Coeff (C)	Incr CxA	Known Q (cfs)	Pipe Travel (min)	Inlet Time (min)	n-val Pipe	Flow Rate (cfs)	Capac Full (cfs)	Vel Ave (ft/s)	Line Size (in)	Line Slope (%)	Invert Dn (ft)	Invert Up (ft)	HGL Dn (ft)	HGL Up (ft)	Gnd/Rim El Dn (ft)	
1	C.O. #1	Outfall	60.00	0.00	0.00	0.00	0.00	0.34	0.0	0.013	2.32	2.52	3.84	12	0.50	1225.00	1225.30	1225.65	1226.11	1225.00	
2	C.O. #2	1	40.00	0.00	0.00	0.00	0.00	0.22	0.0	0.013	2.34	2.52	3.18	12	0.50	1225.30	1225.50	1226.22	1226.36	1228.58	
3	C.O. #3	2	20.00	0.00	0.00	0.00	0.00	0.11	0.0	0.013	2.35	2.52	3.07	12	0.50	1225.50	1225.60	1226.46	1226.53	1228.37	
4	R.D. #1	3	26.00	0.01	0.82	0.01	0.00	2.54	6.0	0.010	0.06	3.47	0.87	8	4.88	1225.93	1227.20	1226.68	1227.31 j	1228.93	
5	C.O. #4	3	9.75	0.00	0.00	0.00	0.00	0.06	0.0	0.013	2.31	2.55	2.94	12	0.51	1225.60	1225.65	1226.68	1226.72	1228.93	
6	R.D. #2	5	11.10	0.01	0.82	0.01	0.00	1.08	6.0	0.010	0.06	5.21	0.87	8	10.99	1225.98	1227.20	1226.85	1227.31 j	1228.98	
7	C.O. #5	5	23.00	0.00	0.00	0.00	0.00	0.13	0.0	0.013	2.27	2.57	2.89	12	0.52	1225.65	1225.77	1226.85	1226.95	1228.98	
8	R.D. #3	7	11.10	0.01	0.82	0.01	0.00	1.08	6.0	0.010	0.06	4.94	0.87	8	9.91	1226.10	1227.20	1227.08	1227.31 j	1229.09	
9	C.O. #6	7	66.75	0.00	0.00	0.00	0.00	0.38	0.0	0.013	2.27	2.50	2.89	12	0.49	1225.77	1226.10	1227.08	1227.35	1229.09	
10	INLET #1	9	20.00	0.44	0.57	0.25	0.00	0.16	8.2	0.013	1.61	2.52	2.05	12	0.50	1226.10	1226.20	1227.48	1227.52	1228.92	
11	INLET #2	9	60.44	0.06	0.39	0.02	0.00	1.05	6.0	0.013	0.75	2.51	0.95	12	0.50	1226.10	1226.40	1227.48	1227.51	1228.92	
12	C.O. #7	11	9.31	0.00	0.00	0.00	0.00	0.09	0.0	0.010	0.59	1.86	1.68	8	1.40	1226.73	1226.86	1227.52	1227.53	1228.50	
13	C.O. #8	12	18.73	0.00	0.00	0.00	0.00	0.18	0.0	0.010	0.59	1.89	2.24	8	1.44	1226.86	1227.13	1227.55	1227.52	1229.59	
14	R.D. #4	13	5.00	0.10	0.82	0.08	0.00	0.05	6.0	0.010	0.60	1.86	2.68	8	1.40	1227.13	1227.20	1227.59	1227.56 j	1230.10	

Minnwest Bank Lewiston 10yr | Number of lines: 14 | Date: 1/19/2026

NOTES: ** Critical depth

Gnd/Rim El Up (ft)	Gutter Spread (ft)	Grate Len (ft)	Grate Width (ft)	Q Carry (cfs)	Incr Q (cfs)	Inlet Eff (%)	Q Capt (cfs)	Q Byp (cfs)	Gutter Slope (ft/ft)	Cross Sl, Sx (ft/ft)	Cross Sl, Sw (ft/ft)	Inlet Depth (ft)	Gutter Depth (ft)	Line ID	Inlet ID
1228.58	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #1 to OUTLET #1	C.O. #1
1228.37	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #2 to C.O. #1	C.O. #2
1228.93	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #3 to C.O. #2	C.O. #3
1230.20	....	....	....	....	0.06	....	....	....	....	....	....	....	....	R.D. #1 to C.O. #3	R.D. #1
1228.98	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #4 to C.O. #3	C.O. #4
1230.20	....	....	....	....	0.06	....	....	....	....	....	....	....	....	R.D. #2 to C.O. #4	R.D. #2
1229.09	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #5 to C.O. #4	C.O. #5
1230.20	....	....	....	....	0.06	....	....	....	....	....	....	....	....	R.D. #3 to C.O. #5	R.D. #3
1228.92	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #6 to C.O. #5	C.O. #6
1228.20	....	....	....	....	1.61	....	....	....	....	....	....	....	....	INLET #1 to C.O. #6	INLET #1
1228.50	....	....	....	....	0.17	....	....	....	....	....	....	....	....	INLET #2 to C.O. #6	INLET #2
1229.59	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #7 to INLET #2	C.O. #7
1230.10	....	....	....	....	0.00	....	....	....	....	....	....	....	....	C.O. #8 to C.O. #7	C.O. #8
1230.20	....	....	....	....	0.60	....	....	....	....	....	....	....	....	R.D. #4 to C.O. #8	R.D. #4

Minnwest Bank Lewiston 10yr | Number of lines: 14 | Date: 1/19/2026

NOTES: ** Critical depth

A.3 Proposed Conditions Watershed Map

US HIGHWAY 14

TEL

OUTLET #1

C.O. #1

C.O. #2

C.O. #3

R.D. #1

C.O. #4

R.D. #2

C.O. #5

R.D. #3

C.O. #6

R.D. #4

C.O. #8

C.O. #7

INLET #1

INLET #2

VALLEY VIEW PAINT & BODY
CITY AUTO GLASS
6240 HIGHWAY 14
LEWISTON, MN 55952

ZONED B-1

MINNWEST BANK – LEWISTON
4,890 SF
FFE: 1230.20
MINNWEST BANK
6205 HIGHWAY 14
LEWISTON, MN 55952
ZONED B-1

CITY OF LEWISTON
85 FREMONT ST N
LEWISTON, MN 55952

FFE: 1230.40

ZONED B-1

THICKENED EDGE WALK

WALK

P-S

P-S0

P-I2

P-I1

P-I10

I#1

I#2

GENSMER RECOVABLE TRUST
12 WILLIAMS ST
LEWISTON, MN 55952

FRAZEN, RANDY & DEBRA
10 WILLIAMS ST W
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PLAYGROUND

ZONED R-1

BASKETBALL COURT

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WISE, JODI
65 FREMONT ST N
LEWISTON, MN 55952

NORTH

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 IN = 20 FT

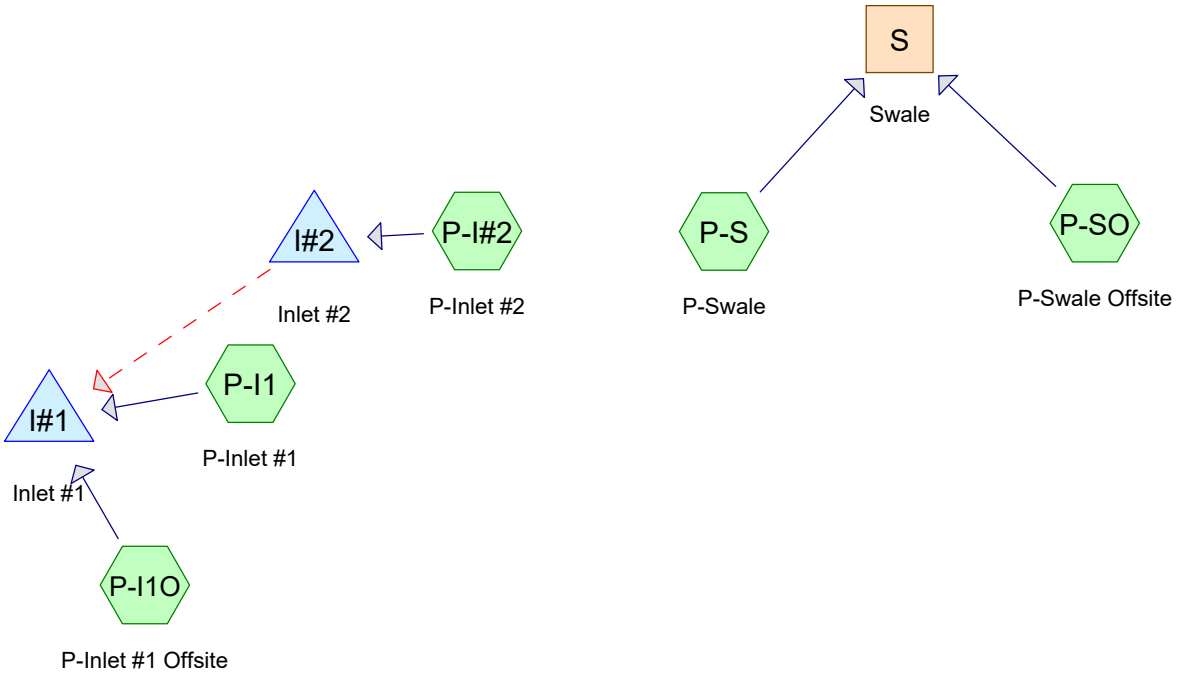
LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- FLOW LINE
- DRAINAGE ARROW
- HYDROCAD® NODES

MINNWEST BANK LEWISTON
PROPOSED WATERSHEDS

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ENGINEERING
SURVEYING
PLANNING
14070 Hwy 52 S.E.
Chatfield, MN 55923
Ph. 507-867-1666
Fax 507-867-1665
www.ggg.to

A.4 HydroCAD® Report on Proposed Inlet #1, Inlet #2, Swale



Subcat Reach Pond Link

Routing Diagram for 25-143 Minnwest Lewiston Proposed HCAD
Prepared by G-Cubed Inc, Printed 1/19/2026
HydroCAD® 10.20-7a s/n 02977 © 2025 HydroCAD Software Solutions LLC

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-yr	MSE 24-hr	3	Default	24.00	1	2.94	2
2	10-yr	MSE 24-hr	3	Default	24.00	1	4.47	2
3	25-yr	MSE 24-hr	3	Default	24.00	1	5.66	2
4	100-yr	MSE 24-hr	3	Default	24.00	1	7.81	2

Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-I#2: P-Inlet #2 Runoff Area=0.060 ac 16.67% Impervious Runoff Depth=1.09"
Tc=6.0 min CN=78 Runoff=0.12 cfs 0.005 af

Subcatchment P-I1: P-Inlet #1 Runoff Area=0.100 ac 60.00% Impervious Runoff Depth=1.76"
Tc=6.0 min CN=88 Runoff=0.32 cfs 0.015 af

Subcatchment P-I1O: P-Inlet #1 Offsite Runoff Area=0.340 ac 50.00% Impervious Runoff Depth=1.61"
Tc=8.2 min CN=86 Runoff=0.92 cfs 0.046 af

Subcatchment P-S: P-Swale Runoff Area=0.230 ac 86.96% Impervious Runoff Depth=2.39"
Tc=6.0 min CN=95 Runoff=0.94 cfs 0.046 af

Subcatchment P-SO: P-Swale Offsite Runoff Area=1.050 ac 60.00% Impervious Runoff Depth=1.76"
Flow Length=399' Tc=10.2 min CN=88 Runoff=2.85 cfs 0.154 af

Reach S: Swale Avg. Flow Depth=0.26' Max Vel=2.59 fps Inflow=3.62 cfs 0.200 af
n=0.022 L=250.0' S=0.0120 '/' Capacity=49.12 cfs Outflow=3.55 cfs 0.200 af

Pond I#1: Inlet #1 Peak Elev=1,228.43' Storage=41 cf Inflow=1.23 cfs 0.060 af
Primary=1.22 cfs 0.060 af Secondary=0.00 cfs 0.000 af Outflow=1.22 cfs 0.060 af

Pond I#2: Inlet #2 Peak Elev=1,228.55' Storage=1 cf Inflow=0.12 cfs 0.005 af
Primary=0.12 cfs 0.005 af Secondary=0.00 cfs 0.000 af Outflow=0.12 cfs 0.005 af

Total Runoff Area = 1.780 ac Runoff Volume = 0.266 af Average Runoff Depth = 1.79"
39.89% Pervious = 0.710 ac 60.11% Impervious = 1.070 ac

Summary for Subcatchment P-I#2: P-Inlet #2

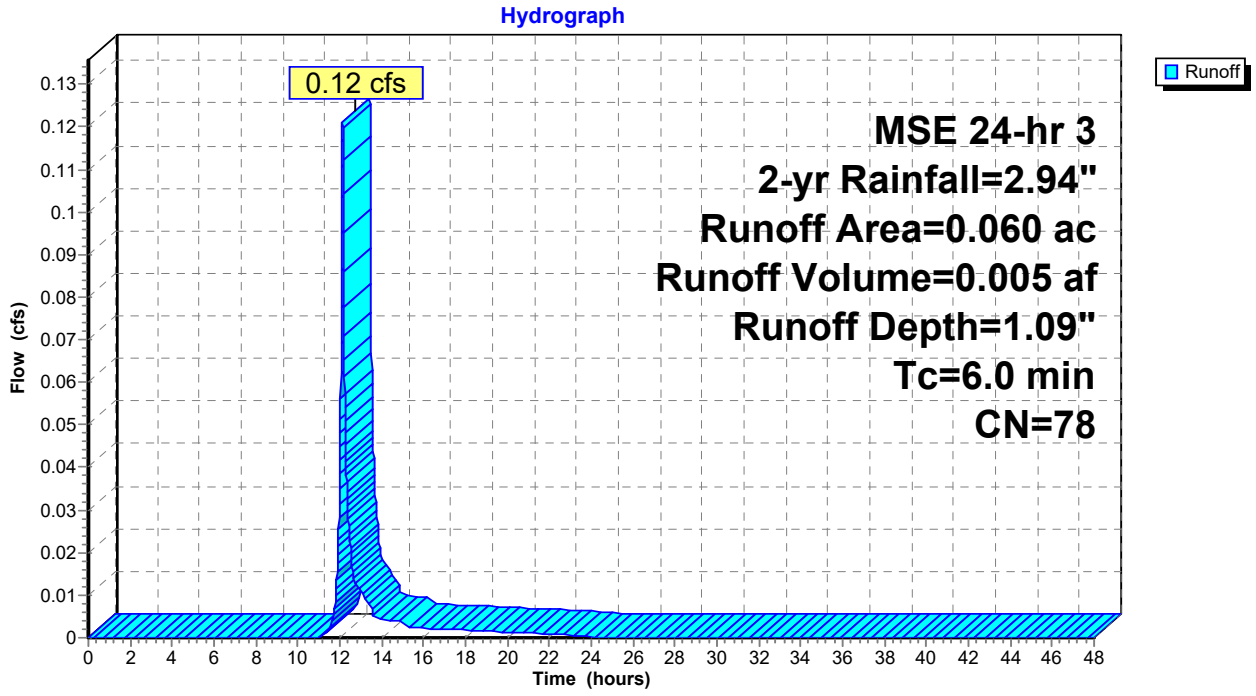
Runoff = 0.12 cfs @ 12.14 hrs, Volume= 0.005 af, Depth= 1.09"
Routed to Pond I#2 : Inlet #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 2-yr Rainfall=2.94"

Area (ac)	CN	Description
0.010	98	Paved parking, HSG C
0.050	74	>75% Grass cover, Good, HSG C
0.060	78	Weighted Average
0.050		83.33% Pervious Area
0.010		16.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I#2: P-Inlet #2



Summary for Subcatchment P-I1: P-Inlet #1

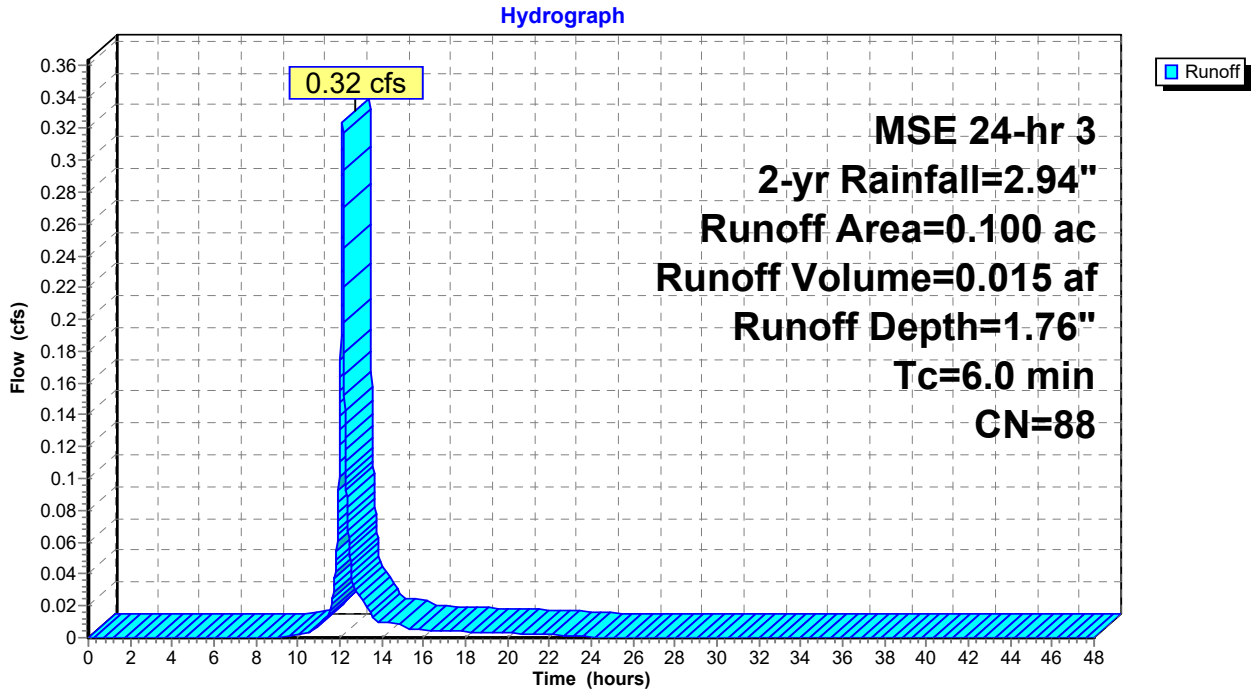
Runoff = 0.32 cfs @ 12.13 hrs, Volume= 0.015 af, Depth= 1.76"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 2-yr Rainfall=2.94"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG C
0.040	74	>75% Grass cover, Good, HSG C
0.100	88	Weighted Average
0.040		40.00% Pervious Area
0.060		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I1: P-Inlet #1



Summary for Subcatchment P-I1O: P-Inlet #1 Offsite

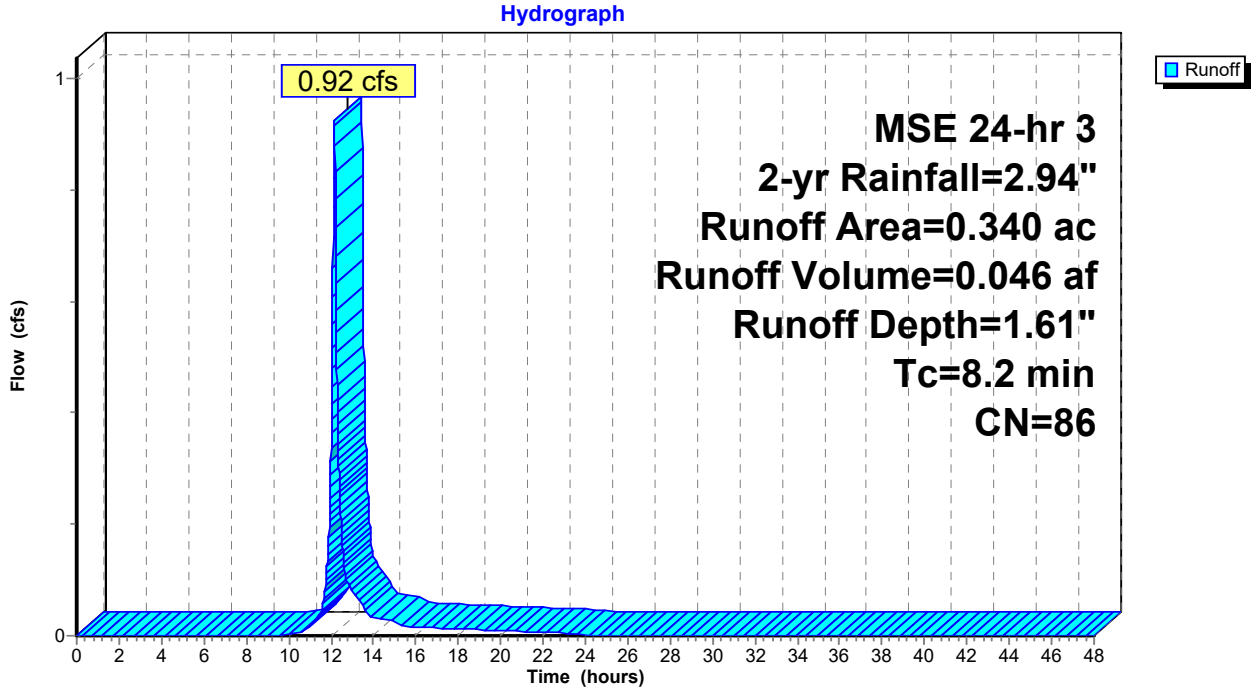
Runoff = 0.92 cfs @ 12.16 hrs, Volume= 0.046 af, Depth= 1.61"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 2-yr Rainfall=2.94"

Area (ac)	CN	Description
0.170	98	Paved parking, HSG C
0.170	74	>75% Grass cover, Good, HSG C
0.340	86	Weighted Average
0.170		50.00% Pervious Area
0.170		50.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.2					**Direct Entry, HydraFlow Tc Match**

Subcatchment P-I1O: P-Inlet #1 Offsite



Summary for Subcatchment P-S: P-Swale

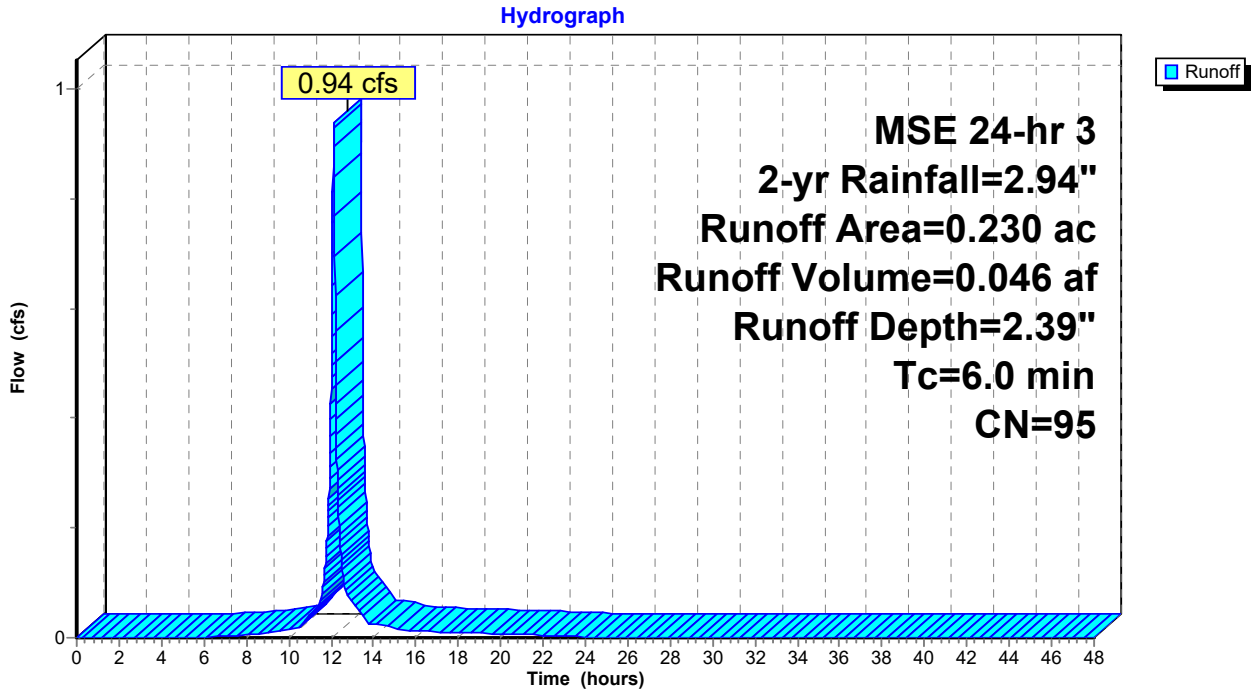
Runoff = 0.94 cfs @ 12.13 hrs, Volume= 0.046 af, Depth= 2.39"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 2-yr Rainfall=2.94"

Area (ac)	CN	Description
0.200	98	Paved parking, HSG C
0.030	74	>75% Grass cover, Good, HSG C
0.230	95	Weighted Average
0.030		13.04% Pervious Area
0.200		86.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry (Minimum)**

Subcatchment P-S: P-Swale



Summary for Subcatchment P-SO: P-Swale Offsite

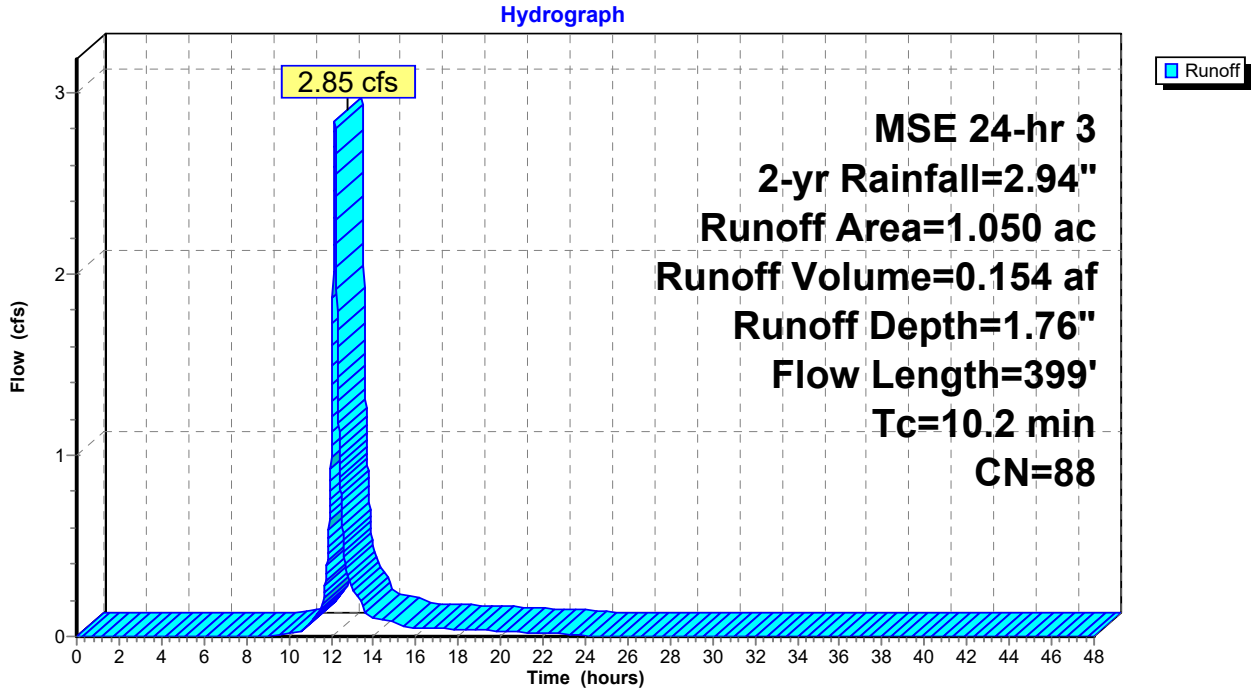
Runoff = 2.85 cfs @ 12.18 hrs, Volume= 0.154 af, Depth= 1.76"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 2-yr Rainfall=2.94"

Area (ac)	CN	Description
0.630	98	Paved parking, HSG C
0.420	74	>75% Grass cover, Good, HSG C
1.050	88	Weighted Average
0.420		40.00% Pervious Area
0.630		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.1	70	0.0250	0.16		**Sheet Flow, Sheet flow from HP** Grass: Short n= 0.150 P2= 2.90"
0.3	58	0.0320	3.63		**Shallow Concentrated Flow, Flow across shared driveway to grass** Paved Kv= 20.3 fps
0.3	21	0.0400	1.40		**Shallow Concentrated Flow, Grassed flow to swale** Short Grass Pasture Kv= 7.0 fps
2.5	250	0.0120	1.64		**Shallow Concentrated Flow, Flow thru swale** Grassed Waterway Kv= 15.0 fps
10.2	399	Total			

Subcatchment P-SO: P-Swale Offsite



Summary for Reach S: Swale

Inflow Area = 1.280 ac, 64.84% Impervious, Inflow Depth = 1.88" for 2-yr event
Inflow = 3.62 cfs @ 12.16 hrs, Volume= 0.200 af
Outflow = 3.55 cfs @ 12.18 hrs, Volume= 0.200 af, Atten= 2%, Lag= 1.1 min
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.59 fps, Min. Travel Time= 1.6 min
Avg. Velocity = 0.59 fps, Avg. Travel Time= 7.0 min

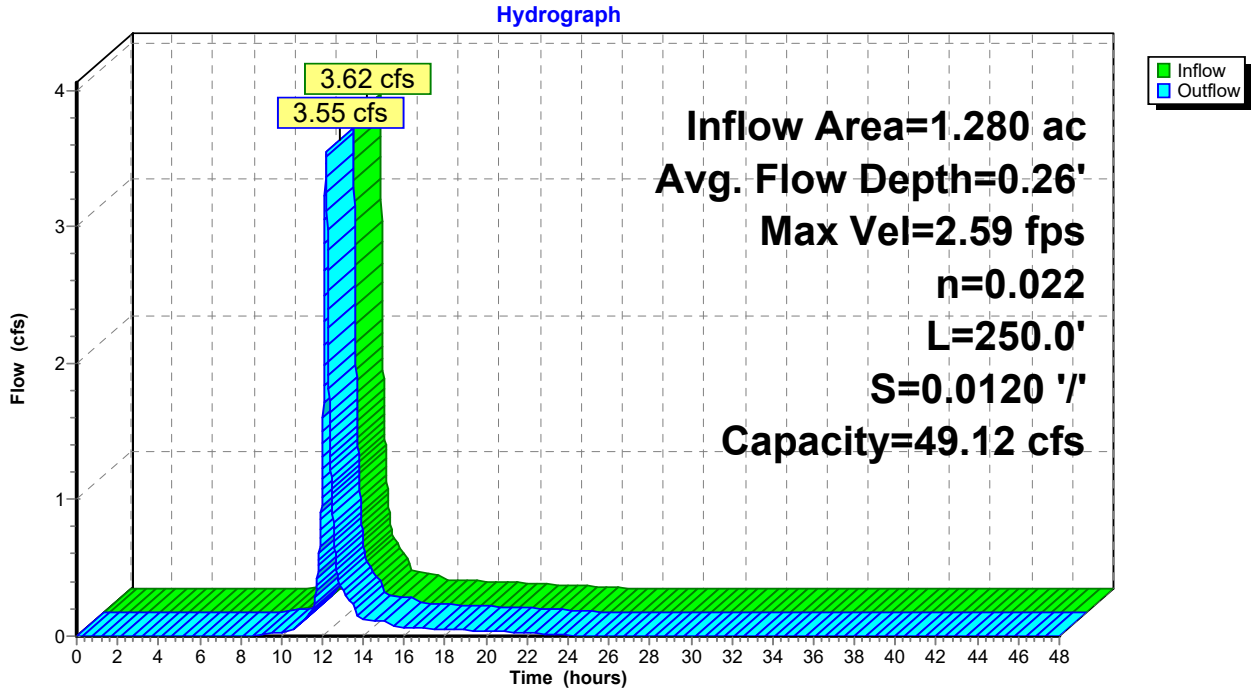
Peak Storage= 343 cf @ 12.18 hrs
Average Depth at Peak Storage= 0.26' , Surface Width= 6.59'
Bank-Full Depth= 1.00' Flow Area= 9.0 sf, Capacity= 49.12 cfs

4.00' x 1.00' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 6.0 4.0 '/' Top Width= 14.00'
Length= 250.0' Slope= 0.0120 '/'
Inlet Invert= 1,228.00', Outlet Invert= 1,225.00'



‡

Reach S: Swale



Summary for Pond I#1: Inlet #1

Inflow Area = 0.440 ac, 52.27% Impervious, Inflow Depth = 1.65" for 2-yr event
Inflow = 1.23 cfs @ 12.15 hrs, Volume= 0.060 af
Outflow = 1.22 cfs @ 12.16 hrs, Volume= 0.060 af, Atten= 1%, Lag= 0.7 min
Primary = 1.22 cfs @ 12.16 hrs, Volume= 0.060 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.43' @ 12.16 hrs Surf.Area= 335 sf Storage= 41 cf

Plug-Flow detention time= 0.6 min calculated for 0.060 af (100% of inflow)
Center-of-Mass det. time= 0.4 min (803.3 - 802.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.20'	1,029 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

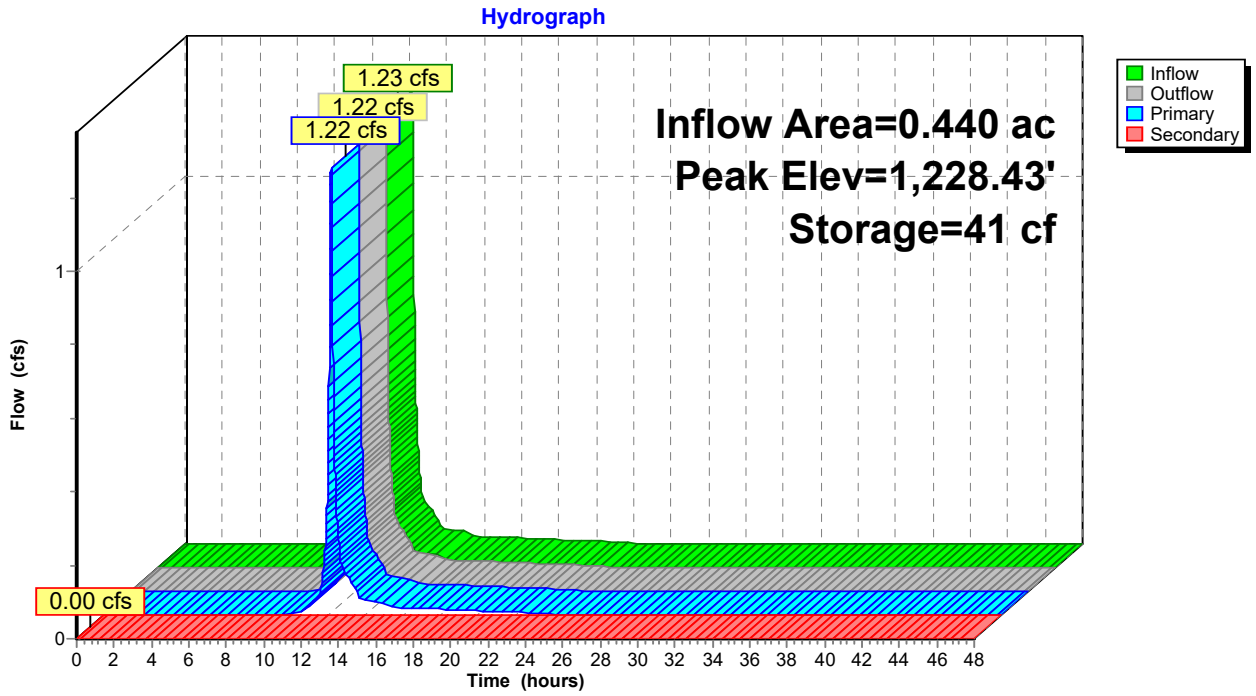
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.20	16	0	0
1,229.00	1,111	451	451
1,229.50	1,200	578	1,029

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.20'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.20' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.20'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.14'	**2.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Primary OutFlow Max=1.22 cfs @ 12.16 hrs HW=1,228.43' (Free Discharge)
1=Culvert (Passes 1.22 cfs of 4.98 cfs potential flow)
2=Orifice/Grate (Weir Controls 1.22 cfs @ 1.11 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.20' (Free Discharge)
3=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond I#1: Inlet #1



Summary for Pond I#2: Inlet #2

Inflow Area = 0.060 ac, 16.67% Impervious, Inflow Depth = 1.09" for 2-yr event
Inflow = 0.12 cfs @ 12.14 hrs, Volume= 0.005 af
Outflow = 0.12 cfs @ 12.14 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.1 min
Primary = 0.12 cfs @ 12.14 hrs, Volume= 0.005 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond I#1 : Inlet #1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.55' @ 12.14 hrs Surf.Area= 31 sf Storage= 1 cf

Plug-Flow detention time= 0.3 min calculated for 0.005 af (100% of inflow)
Center-of-Mass det. time= 0.3 min (822.7 - 822.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.50'	1,030 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

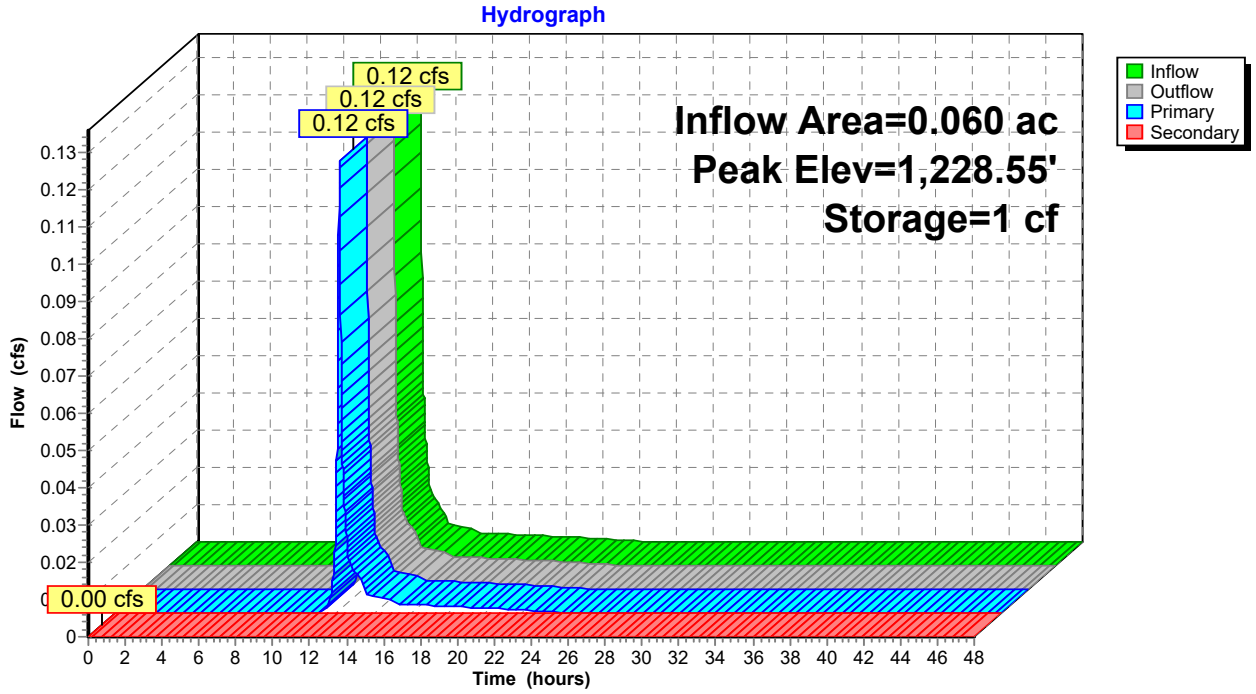
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.50	16	0	0
1,229.00	165	45	45
1,230.00	1,805	985	1,030

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.40'	**12.0" Round Culvert** L= 60.4' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.40' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.50'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.20'	**10.0' long x 25.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=0.12 cfs @ 12.14 hrs HW=1,228.55' (Free Discharge)
↑—**1=Culvert** (Passes 0.12 cfs of 4.12 cfs potential flow)
↑—**2=Orifice/Grate** (Weir Controls 0.12 cfs @ 0.51 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.50' TW=1,228.20' (Dynamic Tailwater)
↑—**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond I#2: Inlet #2



Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-I#2: P-Inlet #2 Runoff Area=0.060 ac 16.67% Impervious Runoff Depth=2.27"
Tc=6.0 min CN=78 Runoff=0.25 cfs 0.011 af

Subcatchment P-I1: P-Inlet #1 Runoff Area=0.100 ac 60.00% Impervious Runoff Depth=3.17"
Tc=6.0 min CN=88 Runoff=0.57 cfs 0.026 af

Subcatchment P-I1O: P-Inlet #1 Offsite Runoff Area=0.340 ac 50.00% Impervious Runoff Depth=2.98"
Tc=8.2 min CN=86 Runoff=1.67 cfs 0.084 af

Subcatchment P-S: P-Swale Runoff Area=0.230 ac 86.96% Impervious Runoff Depth=3.90"
Tc=6.0 min CN=95 Runoff=1.48 cfs 0.075 af

Subcatchment P-SO: P-Swale Offsite Runoff Area=1.050 ac 60.00% Impervious Runoff Depth=3.17"
Flow Length=399' Tc=10.2 min CN=88 Runoff=5.00 cfs 0.277 af

Reach S: Swale Avg. Flow Depth=0.35' Max Vel=3.06 fps Inflow=6.23 cfs 0.352 af
n=0.022 L=250.0' S=0.0120 '/' Capacity=49.12 cfs Outflow=6.14 cfs 0.352 af

Pond I#1: Inlet #1 Peak Elev=1,228.54' Storage=86 cf Inflow=2.21 cfs 0.111 af
Primary=2.17 cfs 0.111 af Secondary=0.00 cfs 0.000 af Outflow=2.17 cfs 0.111 af

Pond I#2: Inlet #2 Peak Elev=1,228.58' Storage=2 cf Inflow=0.25 cfs 0.011 af
Primary=0.25 cfs 0.011 af Secondary=0.00 cfs 0.000 af Outflow=0.25 cfs 0.011 af

Total Runoff Area = 1.780 ac Runoff Volume = 0.474 af Average Runoff Depth = 3.19"
39.89% Pervious = 0.710 ac 60.11% Impervious = 1.070 ac

Summary for Subcatchment P-I#2: P-Inlet #2

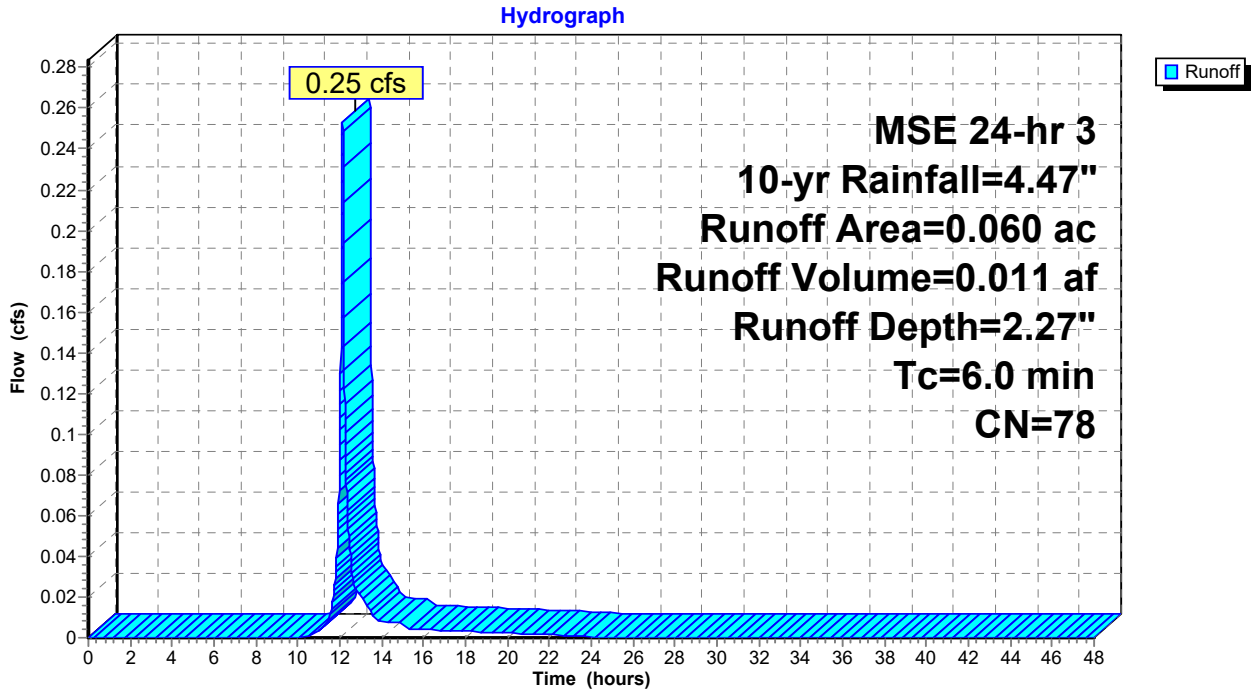
Runoff = 0.25 cfs @ 12.13 hrs, Volume= 0.011 af, Depth= 2.27"
Routed to Pond I#2 : Inlet #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 10-yr Rainfall=4.47"

Area (ac)	CN	Description
0.010	98	Paved parking, HSG C
0.050	74	>75% Grass cover, Good, HSG C
0.060	78	Weighted Average
0.050		83.33% Pervious Area
0.010		16.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I#2: P-Inlet #2



Summary for Subcatchment P-I1: P-Inlet #1

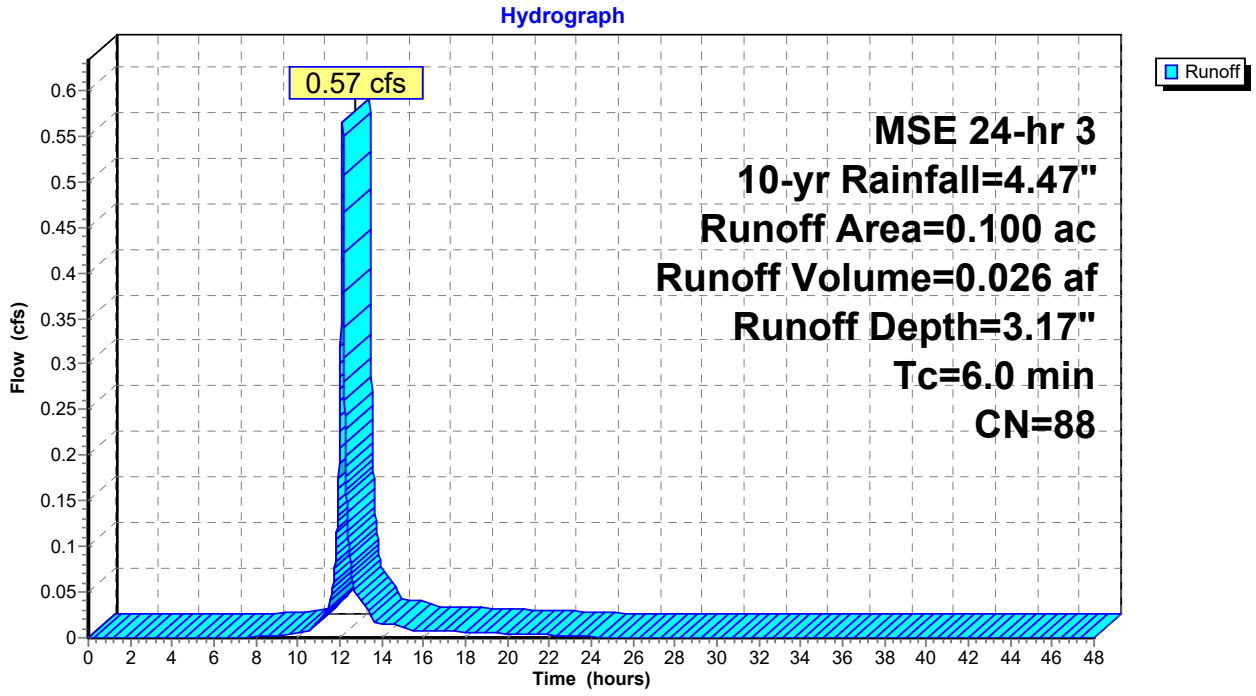
Runoff = 0.57 cfs @ 12.13 hrs, Volume= 0.026 af, Depth= 3.17"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 10-yr Rainfall=4.47"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG C
0.040	74	>75% Grass cover, Good, HSG C
0.100	88	Weighted Average
0.040		40.00% Pervious Area
0.060		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I1: P-Inlet #1



Summary for Subcatchment P-I1O: P-Inlet #1 Offsite

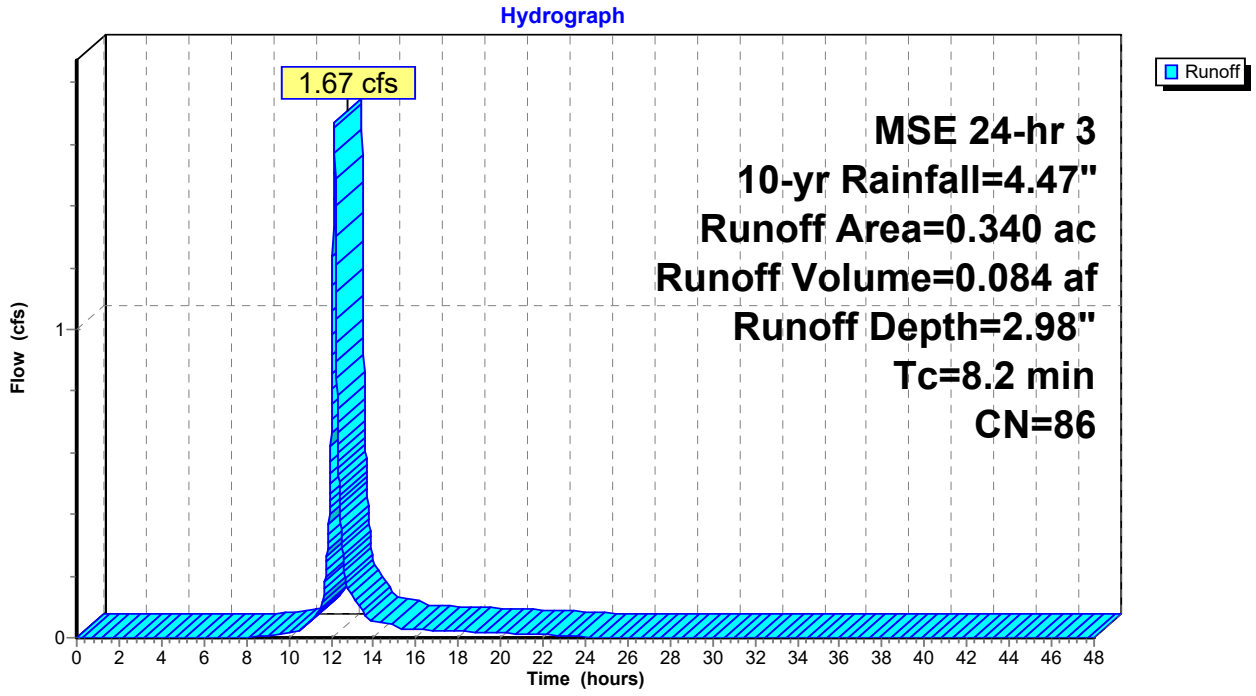
Runoff = 1.67 cfs @ 12.16 hrs, Volume= 0.084 af, Depth= 2.98"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 10-yr Rainfall=4.47"

Area (ac)	CN	Description
0.170	98	Paved parking, HSG C
0.170	74	>75% Grass cover, Good, HSG C
0.340	86	Weighted Average
0.170		50.00% Pervious Area
0.170		50.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.2					**Direct Entry, HydraFlow Tc Match**

Subcatchment P-I1O: P-Inlet #1 Offsite



Summary for Subcatchment P-S: P-Swale

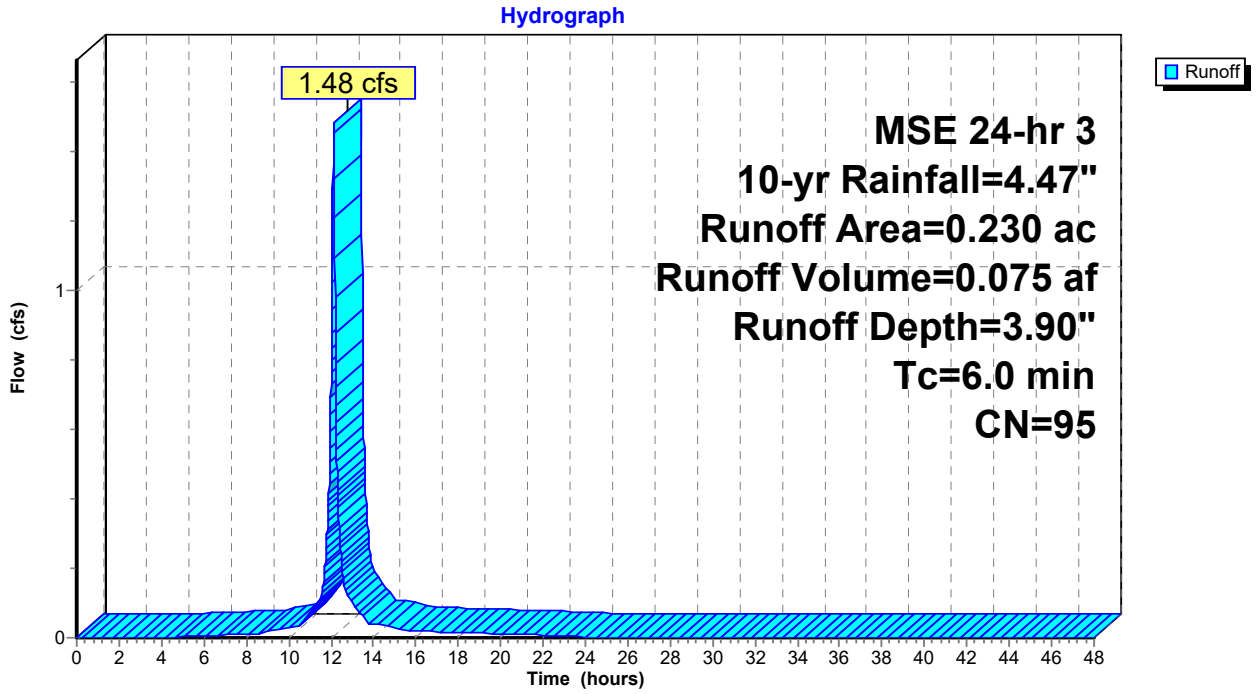
Runoff = 1.48 cfs @ 12.13 hrs, Volume= 0.075 af, Depth= 3.90"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 10-yr Rainfall=4.47"

Area (ac)	CN	Description
0.200	98	Paved parking, HSG C
0.030	74	>75% Grass cover, Good, HSG C
0.230	95	Weighted Average
0.030		13.04% Pervious Area
0.200		86.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry (Minimum)**

Subcatchment P-S: P-Swale



Summary for Subcatchment P-SO: P-Swale Offsite

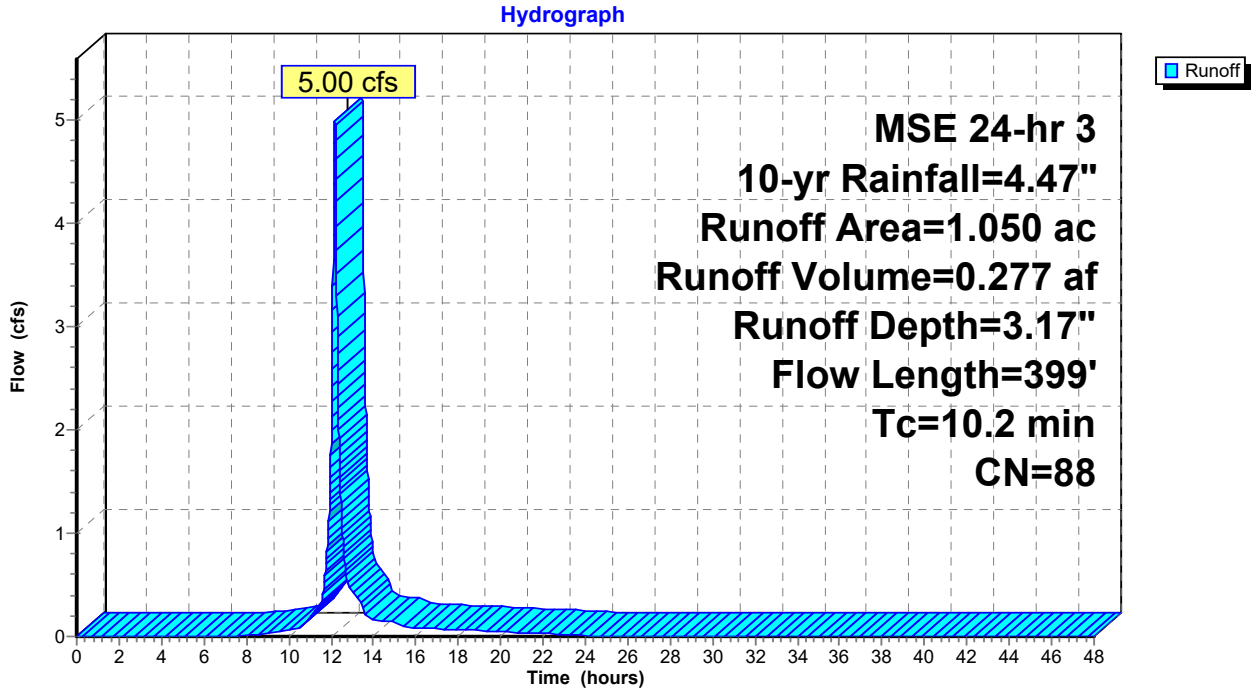
Runoff = 5.00 cfs @ 12.18 hrs, Volume= 0.277 af, Depth= 3.17"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 10-yr Rainfall=4.47"

Area (ac)	CN	Description
0.630	98	Paved parking, HSG C
0.420	74	>75% Grass cover, Good, HSG C
1.050	88	Weighted Average
0.420		40.00% Pervious Area
0.630		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.1	70	0.0250	0.16		**Sheet Flow, Sheet flow from HP** Grass: Short n= 0.150 P2= 2.90"
0.3	58	0.0320	3.63		**Shallow Concentrated Flow, Flow across shared driveway to grass** Paved Kv= 20.3 fps
0.3	21	0.0400	1.40		**Shallow Concentrated Flow, Grassed flow to swale** Short Grass Pasture Kv= 7.0 fps
2.5	250	0.0120	1.64		**Shallow Concentrated Flow, Flow thru swale** Grassed Waterway Kv= 15.0 fps
10.2	399	Total			

Subcatchment P-SO: P-Swale Offsite



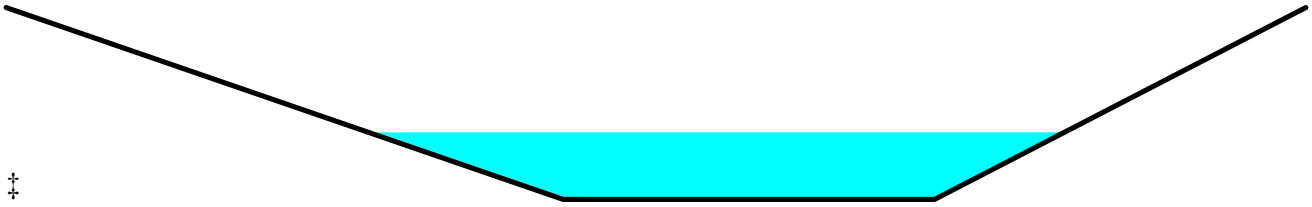
Summary for Reach S: Swale

Inflow Area = 1.280 ac, 64.84% Impervious, Inflow Depth = 3.30" for 10-yr event
Inflow = 6.23 cfs @ 12.16 hrs, Volume= 0.352 af
Outflow = 6.14 cfs @ 12.18 hrs, Volume= 0.352 af, Atten= 2%, Lag= 1.0 min
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.06 fps, Min. Travel Time= 1.4 min
Avg. Velocity = 0.69 fps, Avg. Travel Time= 6.0 min

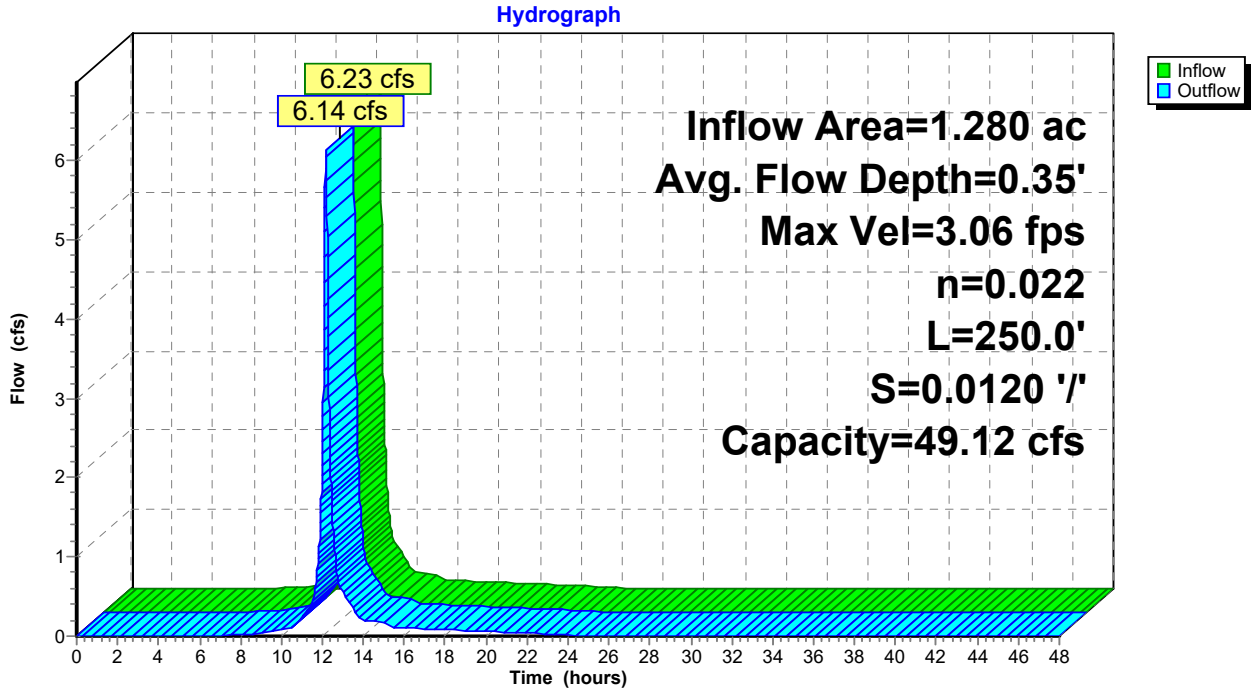
Peak Storage= 502 cf @ 12.18 hrs
Average Depth at Peak Storage= 0.35' , Surface Width= 7.49'
Bank-Full Depth= 1.00' Flow Area= 9.0 sf, Capacity= 49.12 cfs

4.00' x 1.00' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 6.0 4.0 '/' Top Width= 14.00'
Length= 250.0' Slope= 0.0120 '/'
Inlet Invert= 1,228.00', Outlet Invert= 1,225.00'



‡

Reach S: Swale



Summary for Pond I#1: Inlet #1

Inflow Area = 0.440 ac, 52.27% Impervious, Inflow Depth = 3.02" for 10-yr event
Inflow = 2.21 cfs @ 12.15 hrs, Volume= 0.111 af
Outflow = 2.17 cfs @ 12.16 hrs, Volume= 0.111 af, Atten= 2%, Lag= 0.8 min
Primary = 2.17 cfs @ 12.16 hrs, Volume= 0.111 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.54' @ 12.16 hrs Surf.Area= 487 sf Storage= 86 cf

Plug-Flow detention time= 0.6 min calculated for 0.111 af (100% of inflow)
Center-of-Mass det. time= 0.5 min (791.2 - 790.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.20'	1,029 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

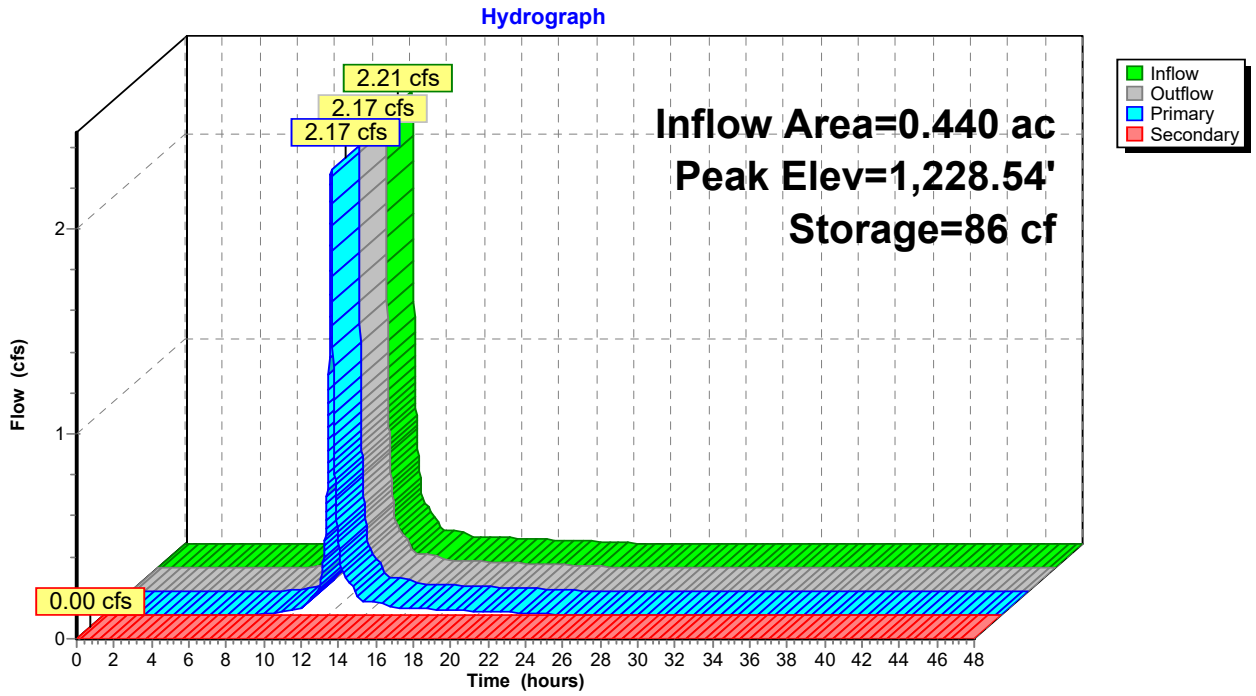
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.20	16	0	0
1,229.00	1,111	451	451
1,229.50	1,200	578	1,029

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.20'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.20' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.20'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.14'	**2.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Primary OutFlow Max=2.17 cfs @ 12.16 hrs HW=1,228.54' (Free Discharge)
└**1=Culvert** (Passes 2.17 cfs of 5.13 cfs potential flow)
└**2=Orifice/Grate** (Weir Controls 2.17 cfs @ 1.34 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.20' (Free Discharge)
└**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond I#1: Inlet #1



Summary for Pond I#2: Inlet #2

Inflow Area = 0.060 ac, 16.67% Impervious, Inflow Depth = 2.27" for 10-yr event
Inflow = 0.25 cfs @ 12.13 hrs, Volume= 0.011 af
Outflow = 0.25 cfs @ 12.14 hrs, Volume= 0.011 af, Atten= 0%, Lag= 0.1 min
Primary = 0.25 cfs @ 12.14 hrs, Volume= 0.011 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond I#1 : Inlet #1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.58' @ 12.14 hrs Surf.Area= 40 sf Storage= 2 cf

Plug-Flow detention time= 0.2 min calculated for 0.011 af (100% of inflow)
Center-of-Mass det. time= 0.2 min (807.1 - 806.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.50'	1,030 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

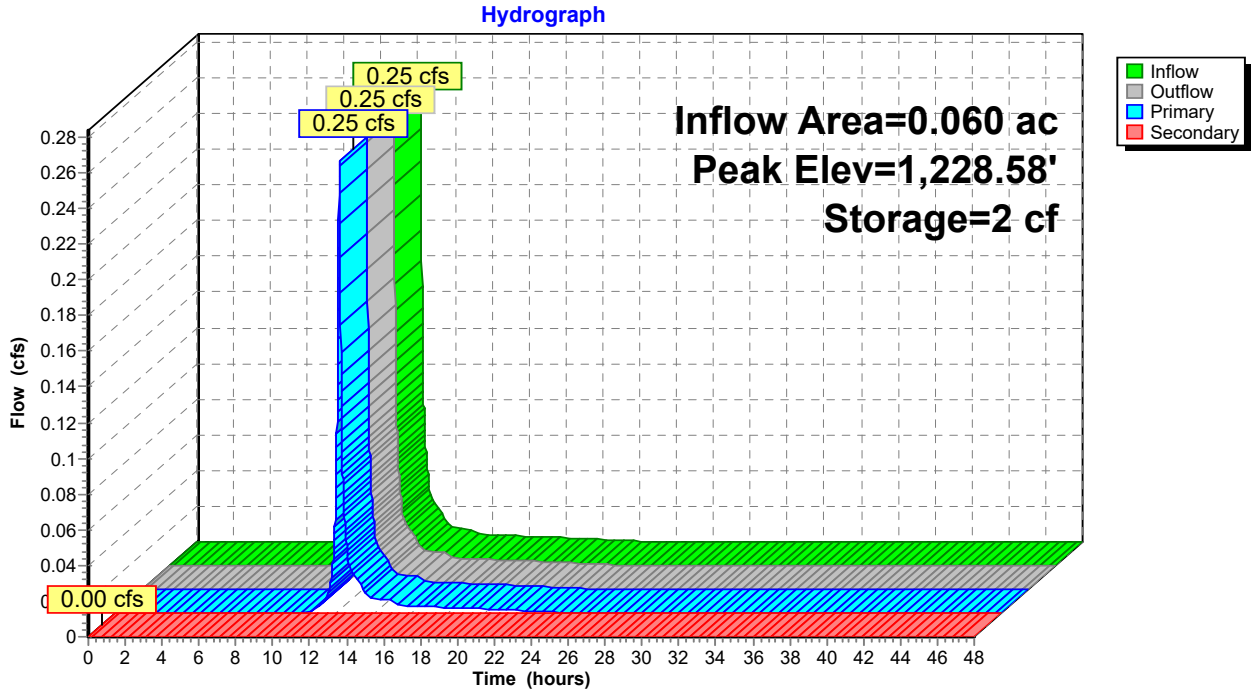
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.50	16	0	0
1,229.00	165	45	45
1,230.00	1,805	985	1,030

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.40'	**12.0" Round Culvert** L= 60.4' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.40' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.50'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.20'	**10.0' long x 25.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=0.25 cfs @ 12.14 hrs HW=1,228.58' (Free Discharge)
↑—**1=Culvert** (Passes 0.25 cfs of 4.16 cfs potential flow)
↑—**2=Orifice/Grate** (Weir Controls 0.25 cfs @ 0.65 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.50' TW=1,228.20' (Dynamic Tailwater)
↑—**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond I#2: Inlet #2



Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-I#2: P-Inlet #2 Runoff Area=0.060 ac 16.67% Impervious Runoff Depth=3.28"
Tc=6.0 min CN=78 Runoff=0.36 cfs 0.016 af

Subcatchment P-I1: P-Inlet #1 Runoff Area=0.100 ac 60.00% Impervious Runoff Depth=4.30"
Tc=6.0 min CN=88 Runoff=0.75 cfs 0.036 af

Subcatchment P-I1O: P-Inlet #1 Offsite Runoff Area=0.340 ac 50.00% Impervious Runoff Depth=4.09"
Tc=8.2 min CN=86 Runoff=2.26 cfs 0.116 af

Subcatchment P-S: P-Swale Runoff Area=0.230 ac 86.96% Impervious Runoff Depth=5.07"
Tc=6.0 min CN=95 Runoff=1.90 cfs 0.097 af

Subcatchment P-SO: P-Swale Offsite Runoff Area=1.050 ac 60.00% Impervious Runoff Depth=4.30"
Flow Length=399' Tc=10.2 min CN=88 Runoff=6.68 cfs 0.376 af

Reach S: Swale Avg. Flow Depth=0.41' Max Vel=3.32 fps Inflow=8.27 cfs 0.473 af
n=0.022 L=250.0' S=0.0120 '/' Capacity=49.12 cfs Outflow=8.15 cfs 0.473 af

Pond I#1: Inlet #1 Peak Elev=1,228.62' Storage=127 cf Inflow=2.98 cfs 0.152 af
Primary=2.92 cfs 0.152 af Secondary=0.00 cfs 0.000 af Outflow=2.92 cfs 0.152 af

Pond I#2: Inlet #2 Peak Elev=1,228.60' Storage=3 cf Inflow=0.36 cfs 0.016 af
Primary=0.36 cfs 0.016 af Secondary=0.00 cfs 0.000 af Outflow=0.36 cfs 0.016 af

Total Runoff Area = 1.780 ac Runoff Volume = 0.641 af Average Runoff Depth = 4.32"
39.89% Pervious = 0.710 ac 60.11% Impervious = 1.070 ac

Summary for Subcatchment P-I#2: P-Inlet #2

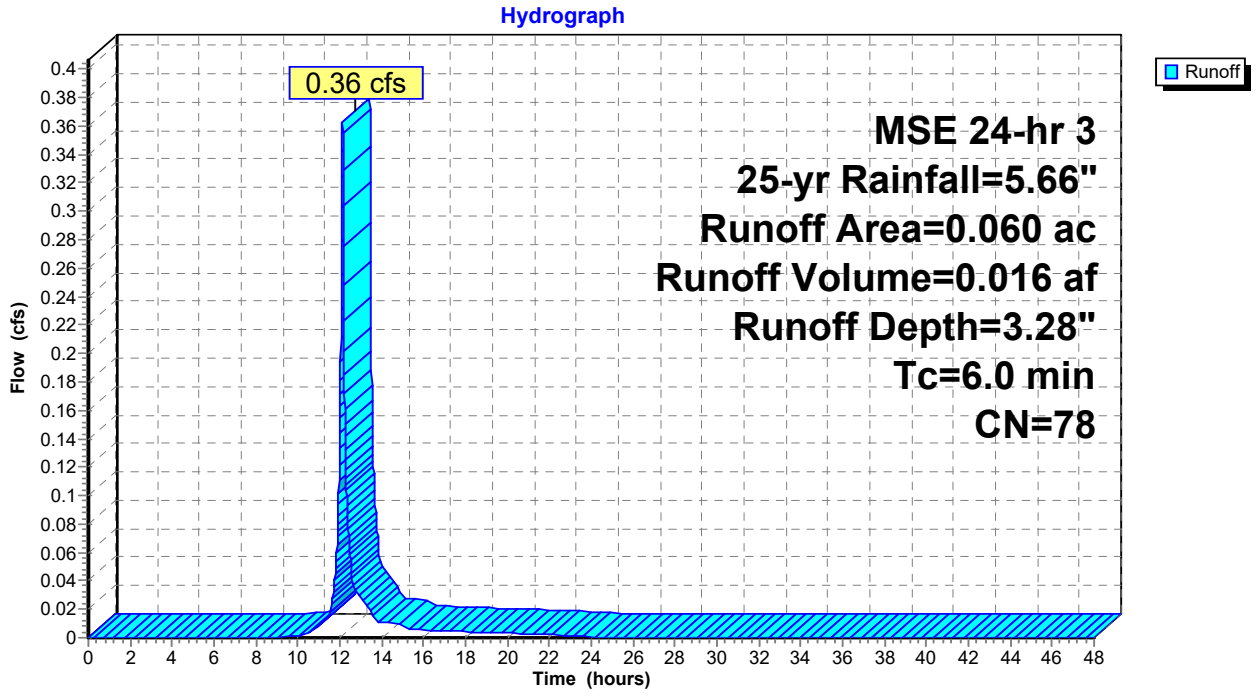
Runoff = 0.36 cfs @ 12.13 hrs, Volume= 0.016 af, Depth= 3.28"
Routed to Pond I#2 : Inlet #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 25-yr Rainfall=5.66"

Area (ac)	CN	Description
0.010	98	Paved parking, HSG C
0.050	74	>75% Grass cover, Good, HSG C
0.060	78	Weighted Average
0.050		83.33% Pervious Area
0.010		16.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I#2: P-Inlet #2



Summary for Subcatchment P-I1: P-Inlet #1

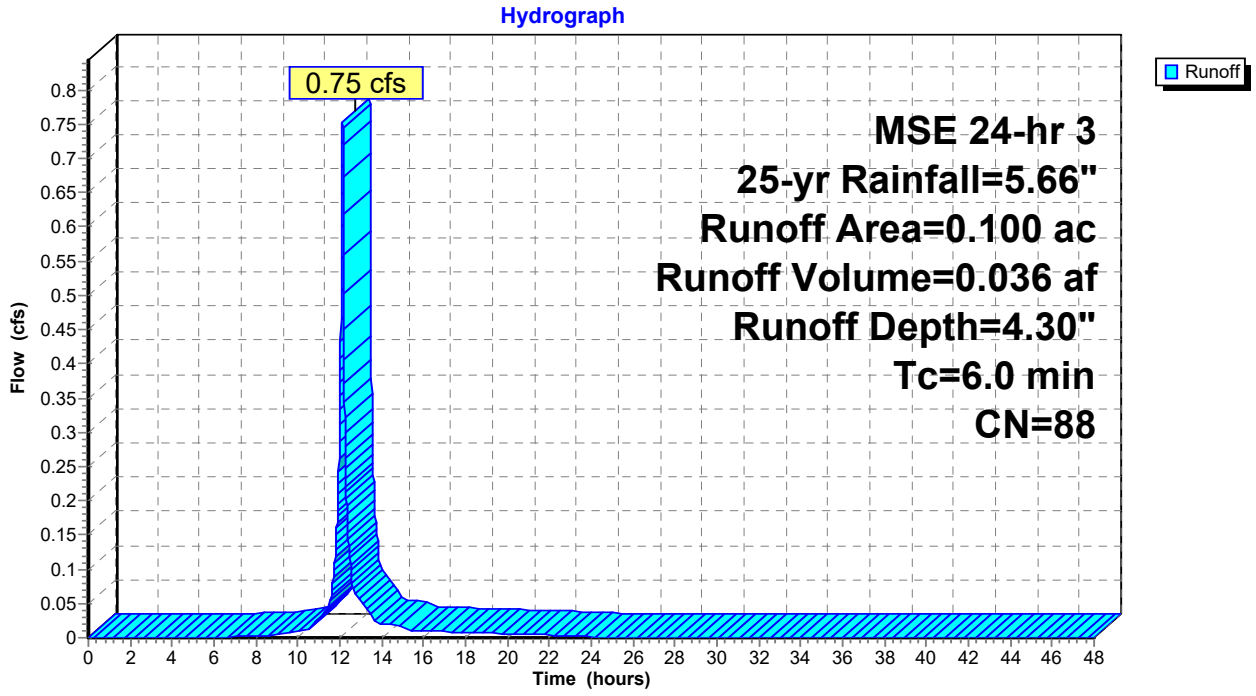
Runoff = 0.75 cfs @ 12.13 hrs, Volume= 0.036 af, Depth= 4.30"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 25-yr Rainfall=5.66"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG C
0.040	74	>75% Grass cover, Good, HSG C
0.100	88	Weighted Average
0.040		40.00% Pervious Area
0.060		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I1: P-Inlet #1



Summary for Subcatchment P-I1O: P-Inlet #1 Offsite

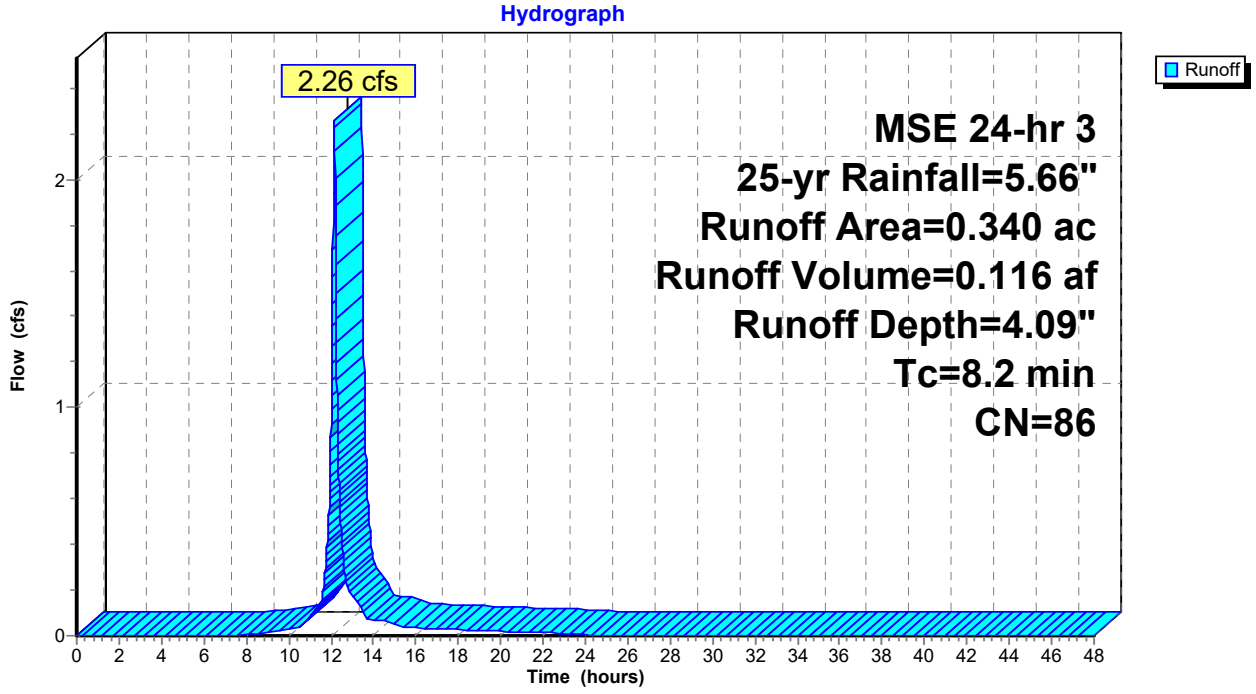
Runoff = 2.26 cfs @ 12.15 hrs, Volume= 0.116 af, Depth= 4.09"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 25-yr Rainfall=5.66"

Area (ac)	CN	Description
0.170	98	Paved parking, HSG C
0.170	74	>75% Grass cover, Good, HSG C
0.340	86	Weighted Average
0.170		50.00% Pervious Area
0.170		50.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.2					**Direct Entry, HydraFlow Tc Match**

Subcatchment P-I1O: P-Inlet #1 Offsite



Summary for Subcatchment P-S: P-Swale

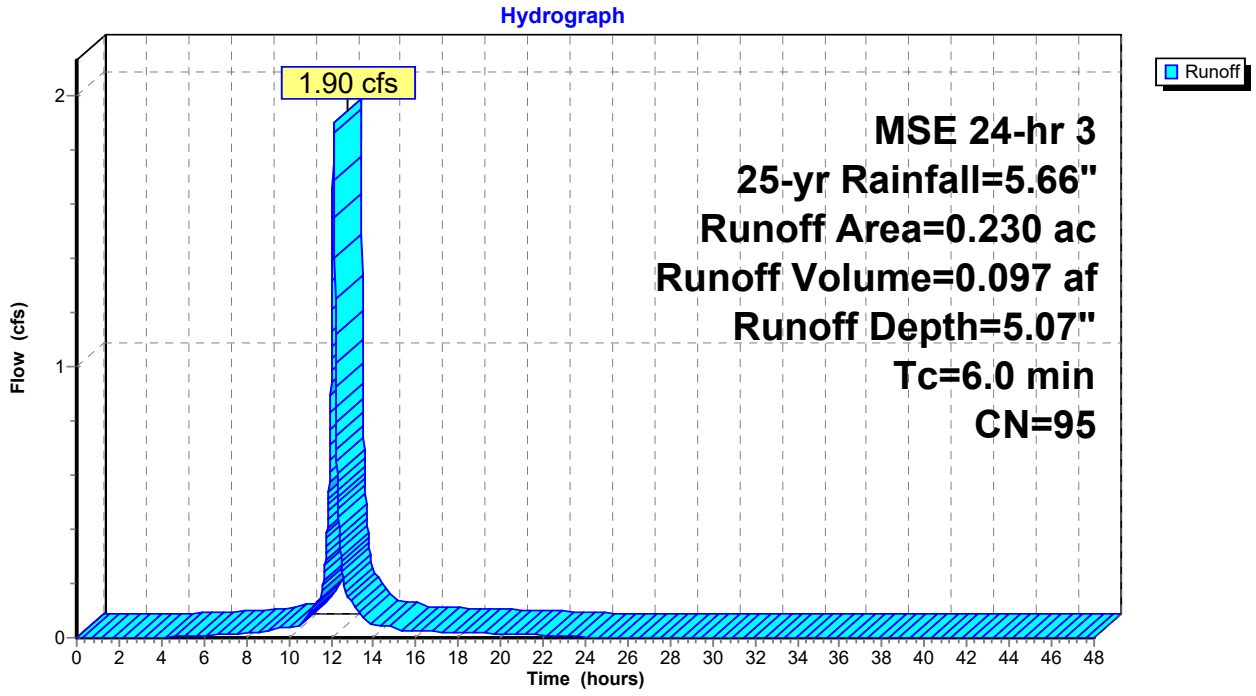
Runoff = 1.90 cfs @ 12.13 hrs, Volume= 0.097 af, Depth= 5.07"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 25-yr Rainfall=5.66"

Area (ac)	CN	Description
0.200	98	Paved parking, HSG C
0.030	74	>75% Grass cover, Good, HSG C
0.230	95	Weighted Average
0.030		13.04% Pervious Area
0.200		86.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry (Minimum)**

Subcatchment P-S: P-Swale



Summary for Subcatchment P-SO: P-Swale Offsite

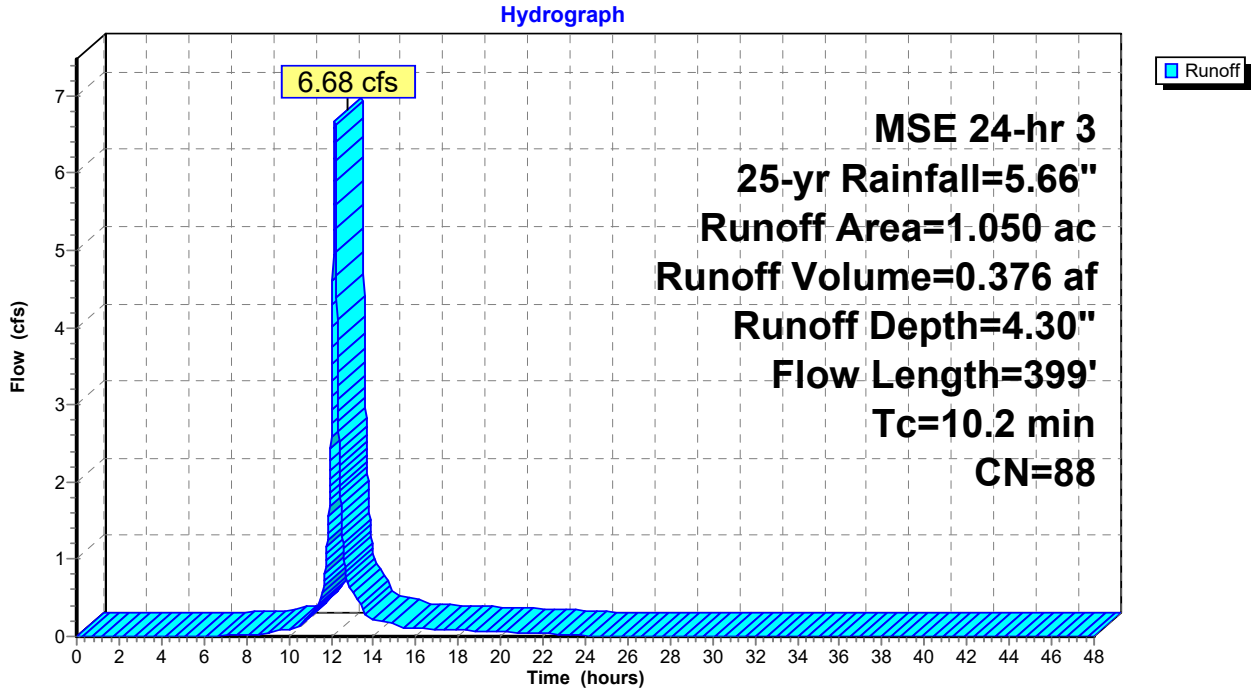
Runoff = 6.68 cfs @ 12.18 hrs, Volume= 0.376 af, Depth= 4.30"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 25-yr Rainfall=5.66"

Area (ac)	CN	Description
0.630	98	Paved parking, HSG C
0.420	74	>75% Grass cover, Good, HSG C
1.050	88	Weighted Average
0.420		40.00% Pervious Area
0.630		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.1	70	0.0250	0.16		**Sheet Flow, Sheet flow from HP** Grass: Short n= 0.150 P2= 2.90"
0.3	58	0.0320	3.63		**Shallow Concentrated Flow, Flow across shared driveway to grass** Paved Kv= 20.3 fps
0.3	21	0.0400	1.40		**Shallow Concentrated Flow, Grassed flow to swale** Short Grass Pasture Kv= 7.0 fps
2.5	250	0.0120	1.64		**Shallow Concentrated Flow, Flow thru swale** Grassed Waterway Kv= 15.0 fps
10.2	399	Total			

Subcatchment P-SO: P-Swale Offsite



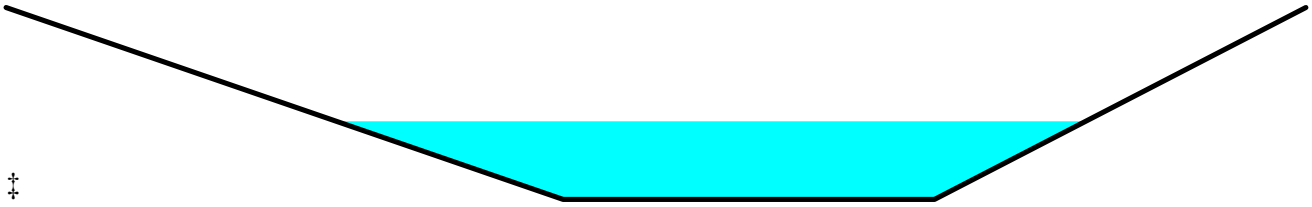
Summary for Reach S: Swale

Inflow Area = 1.280 ac, 64.84% Impervious, Inflow Depth = 4.44" for 25-yr event
Inflow = 8.27 cfs @ 12.16 hrs, Volume= 0.473 af
Outflow = 8.15 cfs @ 12.17 hrs, Volume= 0.473 af, Atten= 1%, Lag= 0.9 min
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.32 fps, Min. Travel Time= 1.3 min
Avg. Velocity = 0.76 fps, Avg. Travel Time= 5.5 min

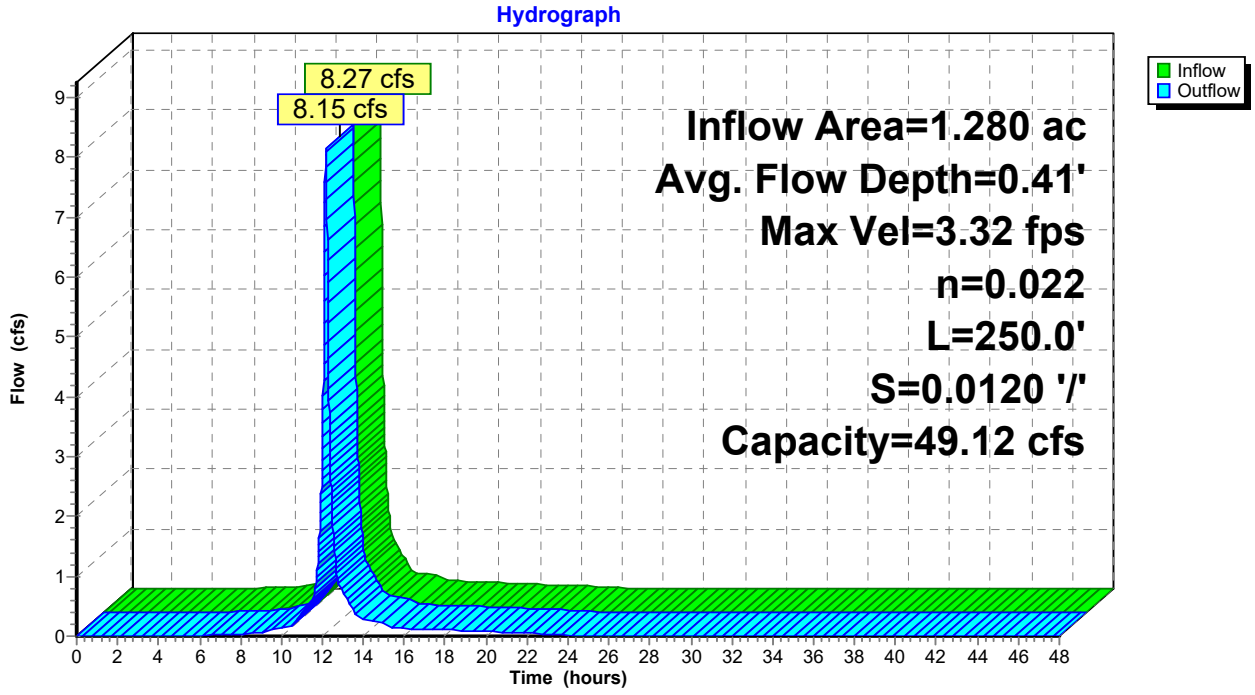
Peak Storage= 613 cf @ 12.17 hrs
Average Depth at Peak Storage= 0.41' , Surface Width= 8.07'
Bank-Full Depth= 1.00' Flow Area= 9.0 sf, Capacity= 49.12 cfs

4.00' x 1.00' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 6.0 4.0 '/' Top Width= 14.00'
Length= 250.0' Slope= 0.0120 '/'
Inlet Invert= 1,228.00', Outlet Invert= 1,225.00'



‡

Reach S: Swale



Summary for Pond I#1: Inlet #1

Inflow Area = 0.440 ac, 52.27% Impervious, Inflow Depth = 4.14" for 25-yr event
Inflow = 2.98 cfs @ 12.15 hrs, Volume= 0.152 af
Outflow = 2.92 cfs @ 12.16 hrs, Volume= 0.152 af, Atten= 2%, Lag= 0.8 min
Primary = 2.92 cfs @ 12.16 hrs, Volume= 0.152 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.62' @ 12.16 hrs Surf.Area= 589 sf Storage= 127 cf

Plug-Flow detention time= 0.5 min calculated for 0.152 af (100% of inflow)
Center-of-Mass det. time= 0.5 min (785.0 - 784.5)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.20'	1,029 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

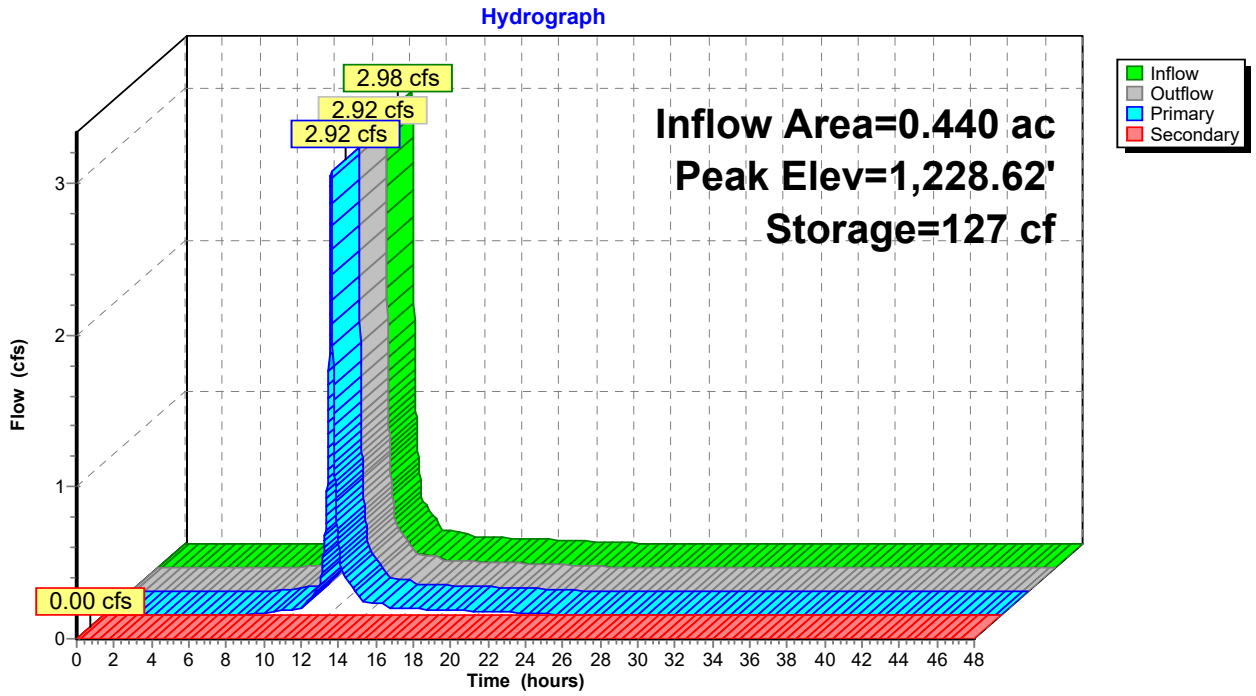
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.20	16	0	0
1,229.00	1,111	451	451
1,229.50	1,200	578	1,029

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.20'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.20' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.20'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.14'	**2.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Primary OutFlow Max=2.92 cfs @ 12.16 hrs HW=1,228.62' (Free Discharge)
1=Culvert (Passes 2.92 cfs of 5.24 cfs potential flow)
2=Orifice/Grate (Weir Controls 2.92 cfs @ 1.48 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.20' (Free Discharge)
3=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond I#1: Inlet #1



Summary for Pond I#2: Inlet #2

Inflow Area = 0.060 ac, 16.67% Impervious, Inflow Depth = 3.28" for 25-yr event
Inflow = 0.36 cfs @ 12.13 hrs, Volume= 0.016 af
Outflow = 0.36 cfs @ 12.14 hrs, Volume= 0.016 af, Atten= 0%, Lag= 0.2 min
Primary = 0.36 cfs @ 12.14 hrs, Volume= 0.016 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond I#1 : Inlet #1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.60' @ 12.14 hrs Surf.Area= 47 sf Storage= 3 cf

Plug-Flow detention time= 0.4 min calculated for 0.016 af (100% of inflow)
Center-of-Mass det. time= 0.2 min (799.6 - 799.4)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.50'	1,030 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

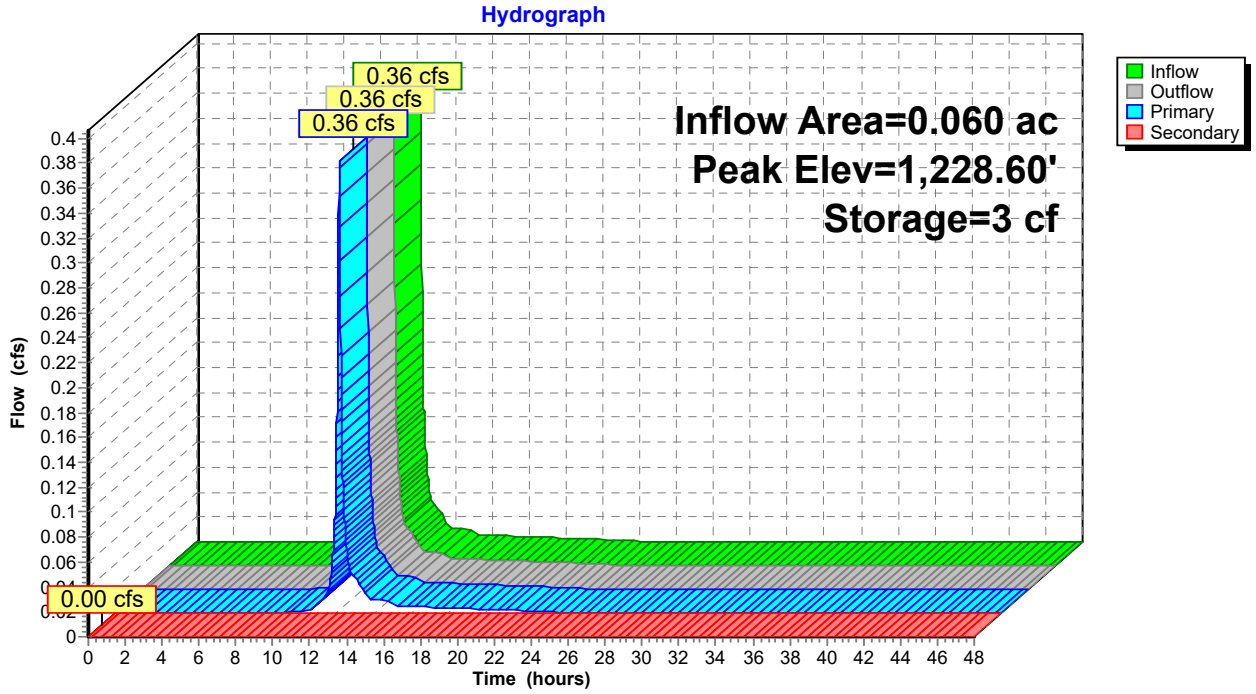
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.50	16	0	0
1,229.00	165	45	45
1,230.00	1,805	985	1,030

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.40'	**12.0" Round Culvert** L= 60.4' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.40' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.50'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.20'	**10.0' long x 25.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=0.36 cfs @ 12.14 hrs HW=1,228.60' (Free Discharge)
└**1=Culvert** (Passes 0.36 cfs of 4.19 cfs potential flow)
└**2=Orifice/Grate** (Weir Controls 0.36 cfs @ 0.74 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.50' TW=1,228.20' (Dynamic Tailwater)
└**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond I#2: Inlet #2



Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-I#2: P-Inlet #2 Runoff Area=0.060 ac 16.67% Impervious Runoff Depth=5.22"
Tc=6.0 min CN=78 Runoff=0.57 cfs 0.026 af

Subcatchment P-I1: P-Inlet #1 Runoff Area=0.100 ac 60.00% Impervious Runoff Depth=6.38"
Tc=6.0 min CN=88 Runoff=1.09 cfs 0.053 af

Subcatchment P-I1O: P-Inlet #1 Offsite Runoff Area=0.340 ac 50.00% Impervious Runoff Depth=6.15"
Tc=8.2 min CN=86 Runoff=3.32 cfs 0.174 af

Subcatchment P-S: P-Swale Runoff Area=0.230 ac 86.96% Impervious Runoff Depth=7.21"
Tc=6.0 min CN=95 Runoff=2.65 cfs 0.138 af

Subcatchment P-SO: P-Swale Offsite Runoff Area=1.050 ac 60.00% Impervious Runoff Depth=6.38"
Flow Length=399' Tc=10.2 min CN=88 Runoff=9.68 cfs 0.558 af

Reach S: Swale Avg. Flow Depth=0.49' Max Vel=3.69 fps Inflow=11.91 cfs 0.697 af
n=0.022 L=250.0' S=0.0120 '/' Capacity=49.12 cfs Outflow=11.78 cfs 0.697 af

Pond I#1: Inlet #1 Peak Elev=1,228.74' Storage=207 cf Inflow=4.36 cfs 0.227 af
Primary=4.26 cfs 0.227 af Secondary=0.00 cfs 0.000 af Outflow=4.26 cfs 0.227 af

Pond I#2: Inlet #2 Peak Elev=1,228.64' Storage=5 cf Inflow=0.57 cfs 0.026 af
Primary=0.56 cfs 0.026 af Secondary=0.00 cfs 0.000 af Outflow=0.56 cfs 0.026 af

Total Runoff Area = 1.780 ac Runoff Volume = 0.950 af Average Runoff Depth = 6.41"
39.89% Pervious = 0.710 ac 60.11% Impervious = 1.070 ac

Summary for Subcatchment P-I#2: P-Inlet #2

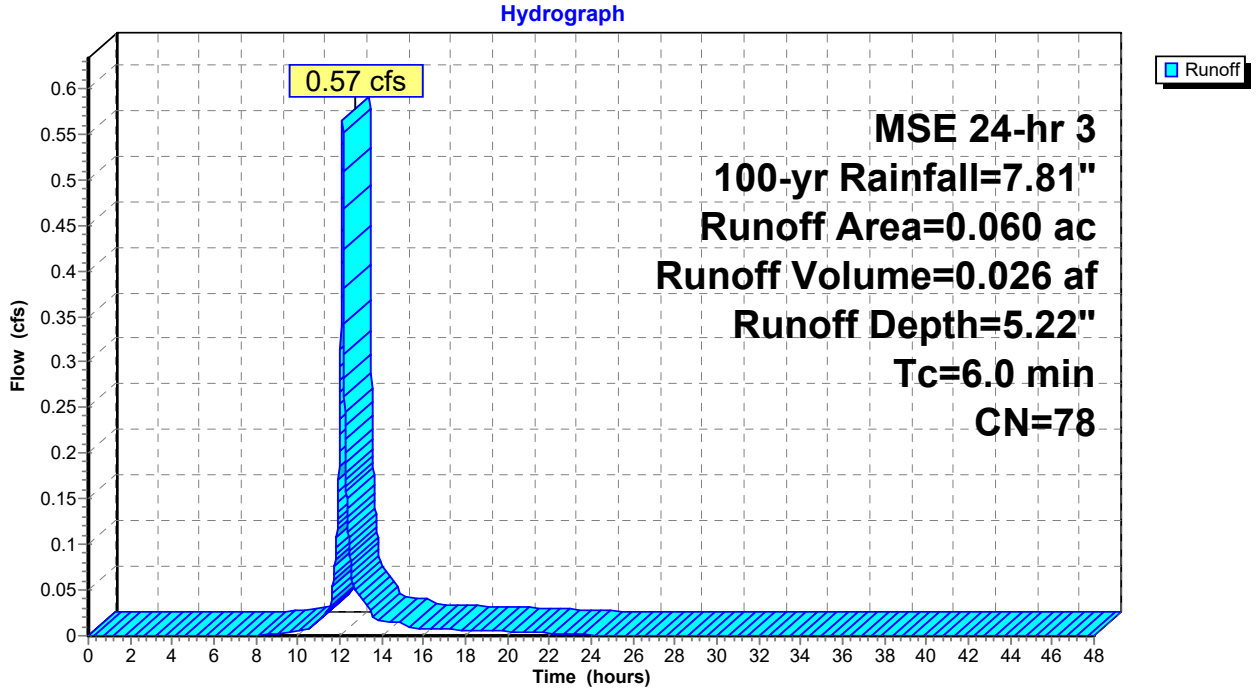
Runoff = 0.57 cfs @ 12.13 hrs, Volume= 0.026 af, Depth= 5.22"
Routed to Pond I#2 : Inlet #2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 100-yr Rainfall=7.81"

Area (ac)	CN	Description
0.010	98	Paved parking, HSG C
0.050	74	>75% Grass cover, Good, HSG C
0.060	78	Weighted Average
0.050		83.33% Pervious Area
0.010		16.67% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I#2: P-Inlet #2



Summary for Subcatchment P-I1: P-Inlet #1

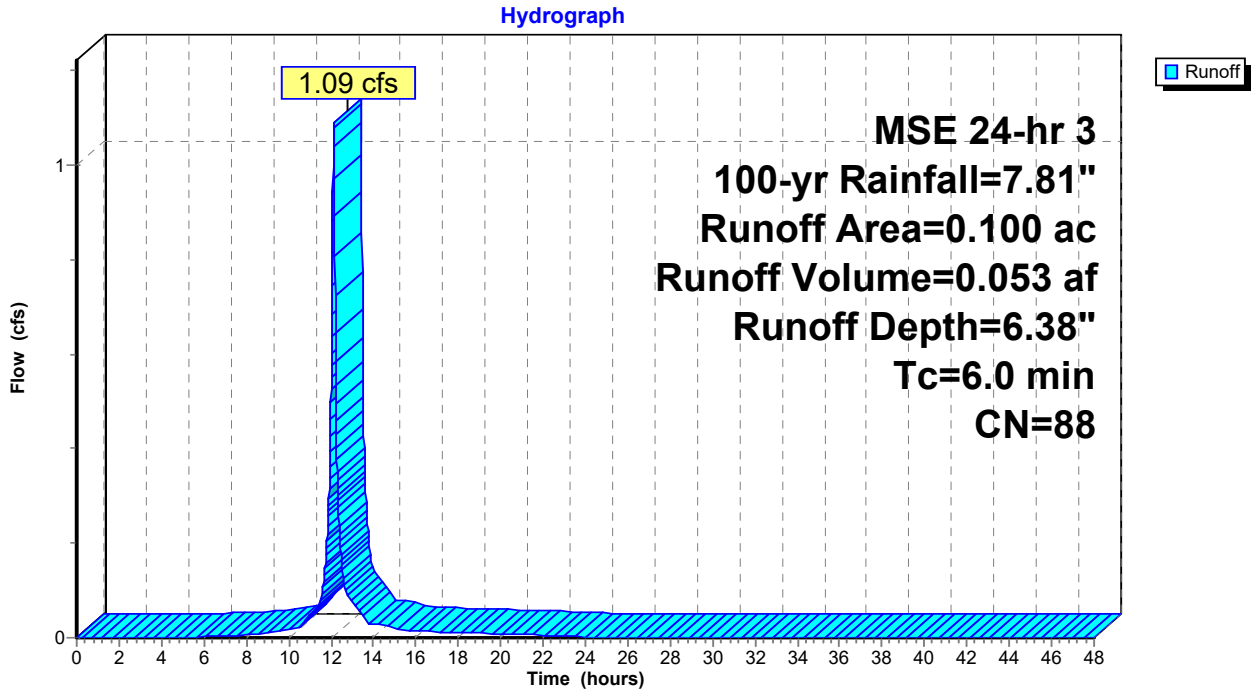
Runoff = 1.09 cfs @ 12.13 hrs, Volume= 0.053 af, Depth= 6.38"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 100-yr Rainfall=7.81"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG C
0.040	74	>75% Grass cover, Good, HSG C
0.100	88	Weighted Average
0.040		40.00% Pervious Area
0.060		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, HydraFlow Tc Match (Minimum)**

Subcatchment P-I1: P-Inlet #1



Summary for Subcatchment P-I1O: P-Inlet #1 Offsite

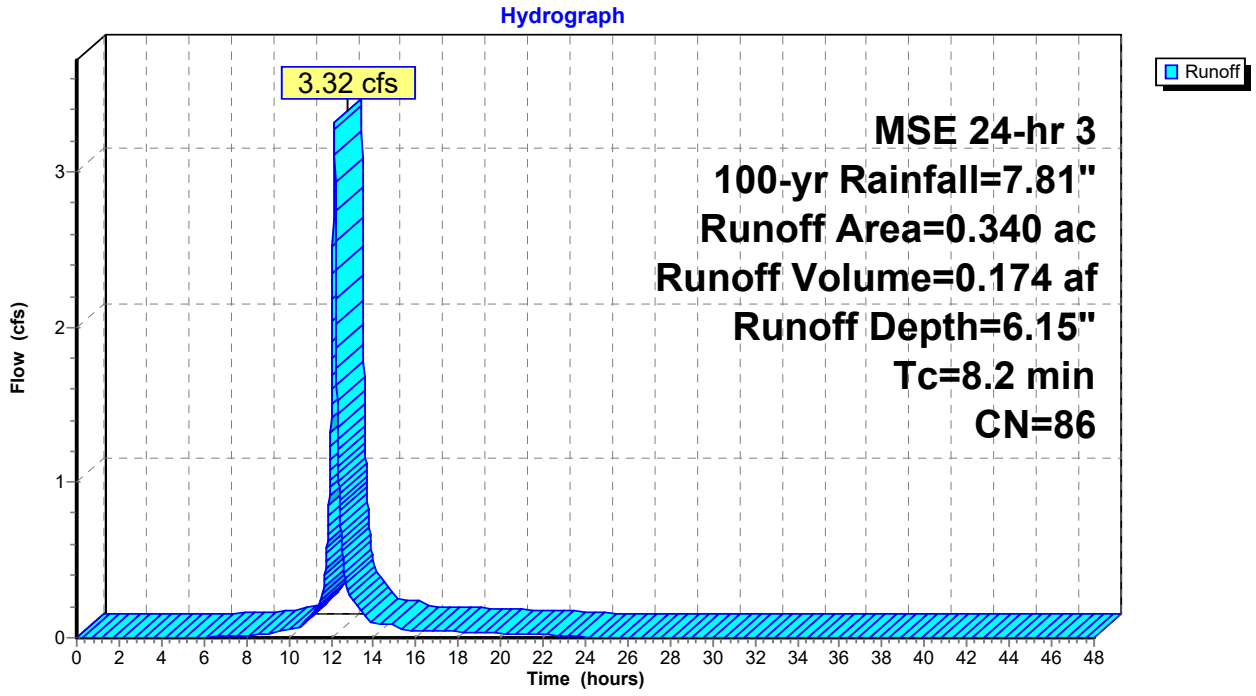
Runoff = 3.32 cfs @ 12.15 hrs, Volume= 0.174 af, Depth= 6.15"
Routed to Pond I#1 : Inlet #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 100-yr Rainfall=7.81"

Area (ac)	CN	Description
0.170	98	Paved parking, HSG C
0.170	74	>75% Grass cover, Good, HSG C
0.340	86	Weighted Average
0.170		50.00% Pervious Area
0.170		50.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.2					**Direct Entry, HydraFlow Tc Match**

Subcatchment P-I1O: P-Inlet #1 Offsite



Summary for Subcatchment P-S: P-Swale

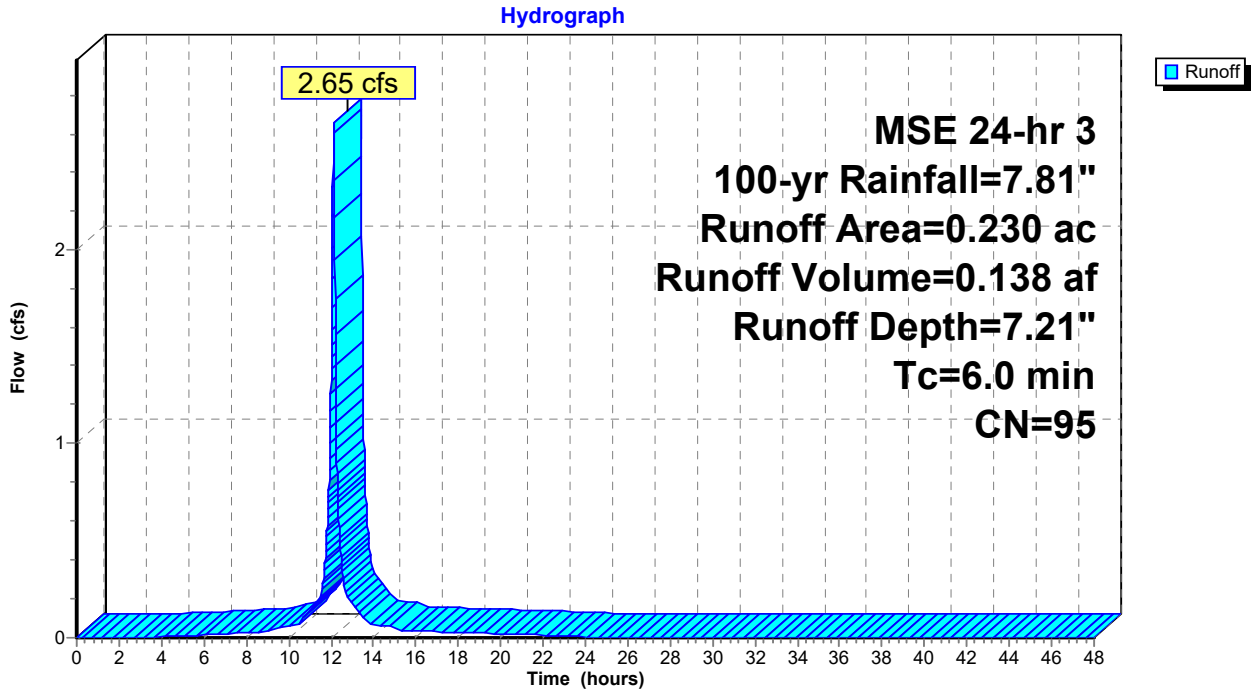
Runoff = 2.65 cfs @ 12.13 hrs, Volume= 0.138 af, Depth= 7.21"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 100-yr Rainfall=7.81"

Area (ac)	CN	Description
0.200	98	Paved parking, HSG C
0.030	74	>75% Grass cover, Good, HSG C
0.230	95	Weighted Average
0.030		13.04% Pervious Area
0.200		86.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, Direct Entry (Minimum)**

Subcatchment P-S: P-Swale



Summary for Subcatchment P-SO: P-Swale Offsite

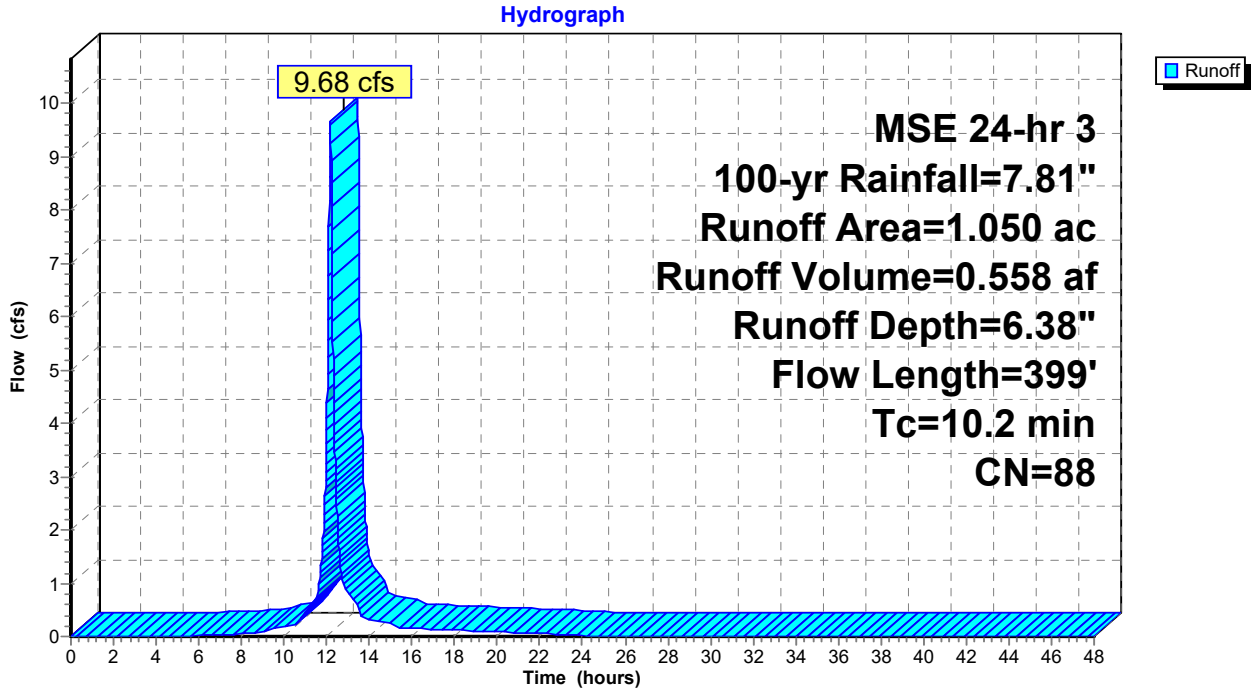
Runoff = 9.68 cfs @ 12.17 hrs, Volume= 0.558 af, Depth= 6.38"
Routed to Reach S : Swale

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
MSE 24-hr 3 100-yr Rainfall=7.81"

Area (ac)	CN	Description
0.630	98	Paved parking, HSG C
0.420	74	>75% Grass cover, Good, HSG C
1.050	88	Weighted Average
0.420		40.00% Pervious Area
0.630		60.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.1	70	0.0250	0.16		**Sheet Flow, Sheet flow from HP** Grass: Short n= 0.150 P2= 2.90"
0.3	58	0.0320	3.63		**Shallow Concentrated Flow, Flow across shared driveway to grass** Paved Kv= 20.3 fps
0.3	21	0.0400	1.40		**Shallow Concentrated Flow, Grassed flow to swale** Short Grass Pasture Kv= 7.0 fps
2.5	250	0.0120	1.64		**Shallow Concentrated Flow, Flow thru swale** Grassed Waterway Kv= 15.0 fps
10.2	399	Total			

Subcatchment P-SO: P-Swale Offsite



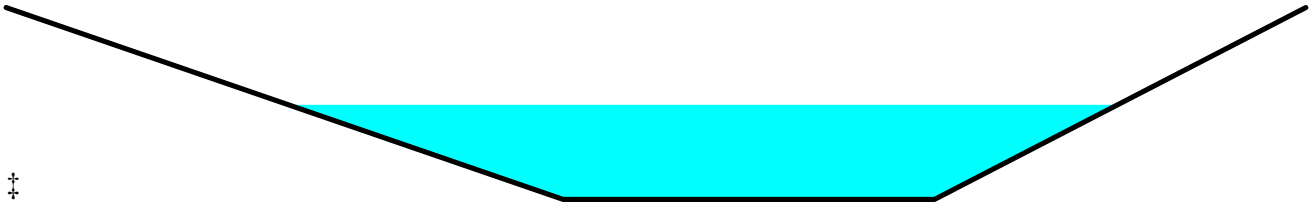
Summary for Reach S: Swale

Inflow Area = 1.280 ac, 64.84% Impervious, Inflow Depth = 6.53" for 100-yr event
Inflow = 11.91 cfs @ 12.16 hrs, Volume= 0.697 af
Outflow = 11.78 cfs @ 12.17 hrs, Volume= 0.697 af, Atten= 1%, Lag= 0.8 min
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Max. Velocity= 3.69 fps, Min. Travel Time= 1.1 min
Avg. Velocity = 0.86 fps, Avg. Travel Time= 4.9 min

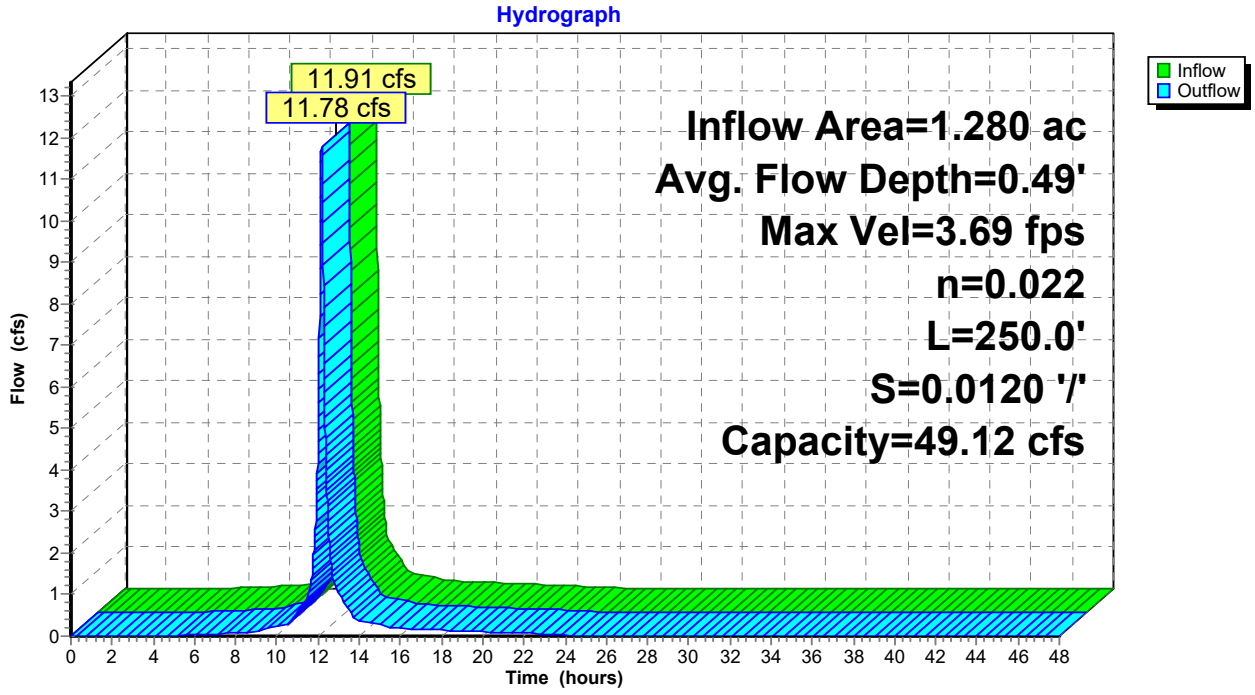
Peak Storage= 797 cf @ 12.17 hrs
Average Depth at Peak Storage= 0.49' , Surface Width= 8.93'
Bank-Full Depth= 1.00' Flow Area= 9.0 sf, Capacity= 49.12 cfs

4.00' x 1.00' deep channel, n= 0.022 Earth, clean & straight
Side Slope Z-value= 6.0 4.0 '/' Top Width= 14.00'
Length= 250.0' Slope= 0.0120 '/'
Inlet Invert= 1,228.00', Outlet Invert= 1,225.00'



‡

Reach S: Swale



Summary for Pond I#1: Inlet #1

Inflow Area = 0.440 ac, 52.27% Impervious, Inflow Depth = 6.20" for 100-yr event
Inflow = 4.36 cfs @ 12.15 hrs, Volume= 0.227 af
Outflow = 4.26 cfs @ 12.16 hrs, Volume= 0.227 af, Atten= 2%, Lag= 0.9 min
Primary = 4.26 cfs @ 12.16 hrs, Volume= 0.227 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to nonexistent node FS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.74' @ 12.16 hrs Surf.Area= 753 sf Storage= 207 cf

Plug-Flow detention time= 0.5 min calculated for 0.227 af (100% of inflow)
Center-of-Mass det. time= 0.5 min (777.1 - 776.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.20'	1,029 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

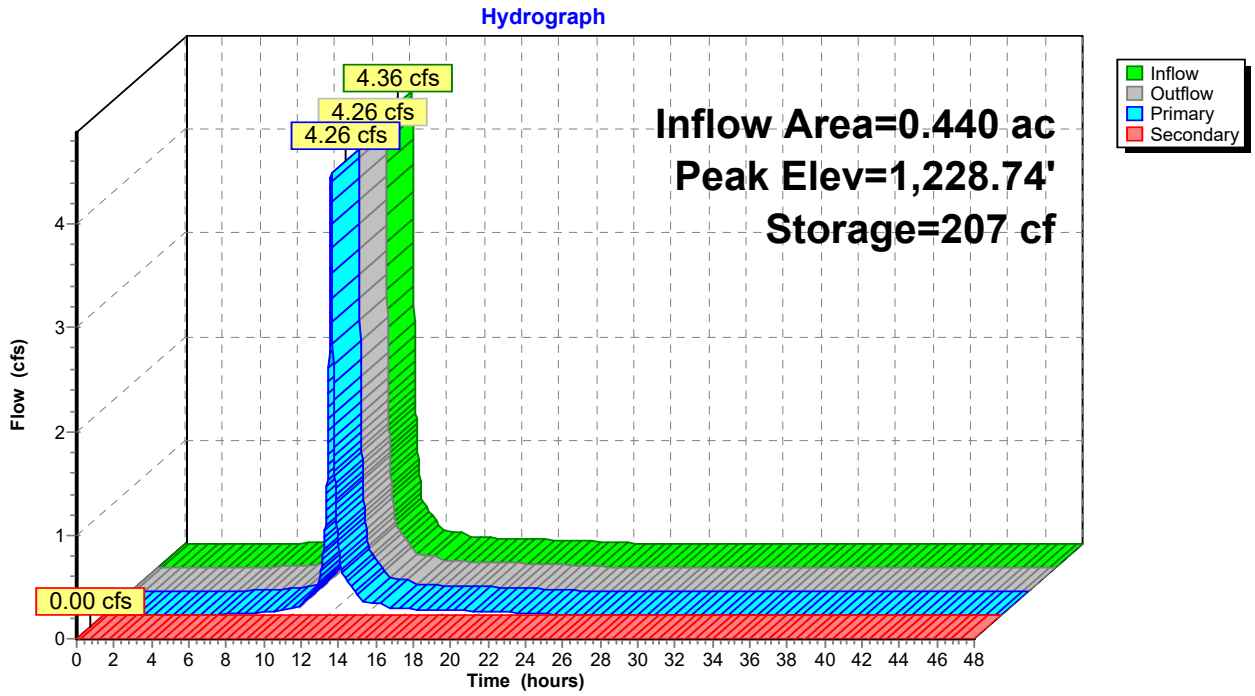
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.20	16	0	0
1,229.00	1,111	451	451
1,229.50	1,200	578	1,029

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.20'	**12.0" Round Culvert** L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.20' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.20'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.14'	**2.0' long x 1.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 Coef. (English) 2.69 2.72 2.75 2.85 2.98 3.08 3.20 3.28 3.31 3.30 3.31 3.32

Primary OutFlow Max=4.26 cfs @ 12.16 hrs HW=1,228.74' (Free Discharge)
└**1=Culvert** (Passes 4.26 cfs of 5.40 cfs potential flow)
└**2=Orifice/Grate** (Weir Controls 4.26 cfs @ 1.68 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.20' (Free Discharge)
└**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond I#1: Inlet #1



Summary for Pond I#2: Inlet #2

Inflow Area = 0.060 ac, 16.67% Impervious, Inflow Depth = 5.22" for 100-yr event
Inflow = 0.57 cfs @ 12.13 hrs, Volume= 0.026 af
Outflow = 0.56 cfs @ 12.13 hrs, Volume= 0.026 af, Atten= 0%, Lag= 0.2 min
Primary = 0.56 cfs @ 12.13 hrs, Volume= 0.026 af
Routed to nonexistent node FS
Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond I#1 : Inlet #1

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
Peak Elev= 1,228.64' @ 12.13 hrs Surf.Area= 58 sf Storage= 5 cf

Plug-Flow detention time= 0.3 min calculated for 0.026 af (100% of inflow)
Center-of-Mass det. time= 0.2 min (790.3 - 790.1)

Volume	Invert	Avail.Storage	Storage Description
#1	1,228.50'	1,030 cf	**Custom Stage Data (Prismatic)**Listed below (Recalc)

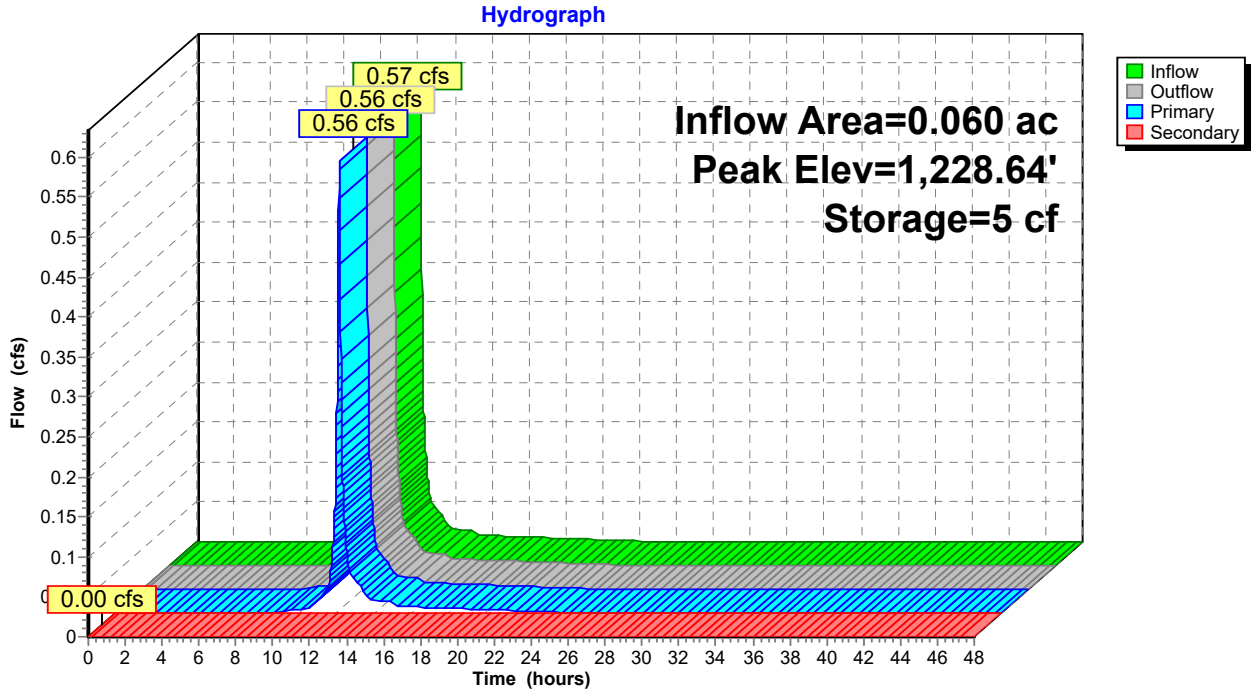
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,228.50	16	0	0
1,229.00	165	45	45
1,230.00	1,805	985	1,030

Device	Routing	Invert	Outlet Devices
#1	Primary	1,226.40'	**12.0" Round Culvert** L= 60.4' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,226.40' / 1,226.10' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf
#2	Device 1	1,228.50'	**18.0" Horiz. Orifice/Grate X 0.70** C= 0.600 Limited to weir flow at low heads
#3	Secondary	1,229.20'	**10.0' long x 25.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.68 2.70 2.70 2.64 2.63 2.64 2.64 2.63

Primary OutFlow Max=0.56 cfs @ 12.13 hrs HW=1,228.64' (Free Discharge)
↑—**1=Culvert** (Passes 0.56 cfs of 4.24 cfs potential flow)
↑—**2=Orifice/Grate** (Weir Controls 0.56 cfs @ 0.86 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=1,228.50' TW=1,228.20' (Dynamic Tailwater)
↑—**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond I#2: Inlet #2



A.5 Hydraulic Toolbox – Swale Shear Stress Analysis

Hydraulic Analysis Report

Project Data

Project Title: Shear Stress Analysis

Designer: G-Cubed, Inc.

Project Date: January 19th, 2026

Project Units: U.S. Customary Units

Notes:

Channel Analysis: Swale

Notes:

Input Parameters

Channel Type: Trapezoidal

Side Slope 1 (Z1): 6.0000 ft/ft

Side Slope 2 (Z2): 4.0000 ft/ft

Channel Width: 4.0000 ft

Longitudinal Slope: 0.0120 ft/ft

Manning's n: 0.0220

Flow: 11.7800 cfs

Result Parameters

Depth: 0.4931 ft

Area of Flow: 3.1885 ft^2

Wetted Perimeter: 9.0329 ft

Hydraulic Radius: 0.3530 ft

Average Velocity: 3.6946 ft/s

Top Width: 8.9314 ft

Froude Number: 1.0897

Critical Depth: 0.5172 ft

Critical Velocity: 3.4581 ft/s

Critical Slope: 0.0100 ft/ft

Critical Top Width: 9.17 ft

Calculated Max Shear Stress: 0.3693 lb/ft^2

Calculated Avg Shear Stress: 0.2643 lb/ft^2

A.6 – Table 4.2 & 4.4
Open Channel Hydraulics, Second Edition (Terry W. Sturm)
Vegetal Cover Retardance Classifications & Properties

TABLE 4.2 Classification of vegetal cover as to degree of retardance (SCS-TP-61)

Vegetal Retardance Class	Cover	Condition
A	Weeping lovegrass	Excellent stand, tall (average 30 in.) (76 cm)
	Yellow bluestem	
	Ischaemum	Excellent stand, tall (average 36 in.) (91 cm)
B	Kudzu	Very dense growth, uncut
	Bermuda grass	Good stand, tall (average 12 in.) (30 cm)
	Native grass mixture (little bluestem, bluestem, blue gamma, and other long and short Midwest grasses)	Good stand, unmowed
	Weeping lovegrass	Good stand, tall (average 24 in.) (61 cm)
	Lespedeza sericea	Good stand, not woody, tall (average 19 in.) (48 cm)
	Alfalfa	Good stand, uncut (average 11 in.) (28 cm)
	Weeping lovegrass	Good stand, unmowed (average 13 in.) (33 cm)
	Kudzu	Dense growth, uncut
	Blue gamma	Good stand, uncut (average 13 in.) (28 cm)
C	Crabgrass	Fair stand, uncut (10 to 48 in.) (25 to 120 cm)
	Bermuda grass	Good stand, mowed (average 6 in.) (15 cm)
	Common lespedeza	Good stand, uncut (average 11 in.) (28 cm)
	Grass-legume mixture—summer (orchard grass, redtop, Italian ryegrass, and common lespedeza)	Good stand, uncut (6 to 8 in.) (15 to 20 cm)
	Centipedegrass	Very dense cover (average 6 in.) (15 cm)
	Kentucky bluegrass	Good stand, headed (6 to 12 in.) (15 to 30 cm)
D	Bermuda grass	Good stand, cut to 2.5 in. height (6 cm)
	Common lespedeza	Excellent stand, uncut (average 4.5 in.) (11 cm)
	Buffalo grass	Good stand, uncut (3 to 6 in.) (8 to 15 cm)
	Grass-legume mixture—fall, spring (orchard grass, redtop, Italian ryegrass, and common lespedeza)	Good stand, uncut (4 to 5 in.) (10 to 13 cm)
	Lespedeza sericea	After cutting to 2 in. height (5 cm)
		Very good stand before cutting
E	Bermuda grass	Good stand, cut to 1.5 in. height (4 cm)
	Bermuda grass	Burned stubble

Note: Covers classified have been tested in experimental channels. Covers were green and generally uniform.

Table 4.4 Properties of vegetal retardance classes

Vegetal retardance class	Average height, h_s, cm (ft)	Stiffness *MEI*, N-m² (lb-ft²)	Permissible shear stress τ_p, N/m² (lb/ft²)	*Calculated lining failure criterion Eq. 4.43* $(k/h_s)_{min}$
A	91 (3.0)	300 (725)	177 (3.70)	0.2
B	61 (2.0)	20 (50)	100 (2.10)	0.2
C	20 (0.66)	0.5 (1.2)	48 (1.00)	0.3
D	10 (0.33)	0.05 (0.12)	29 (0.60)	0.4
E	4 (0.13	0.005 (0.012)	17 (0.35)	0.9

Source: Chen and Cotton (1988).

APPENDIX B (SUPPORTING INFORMATION)

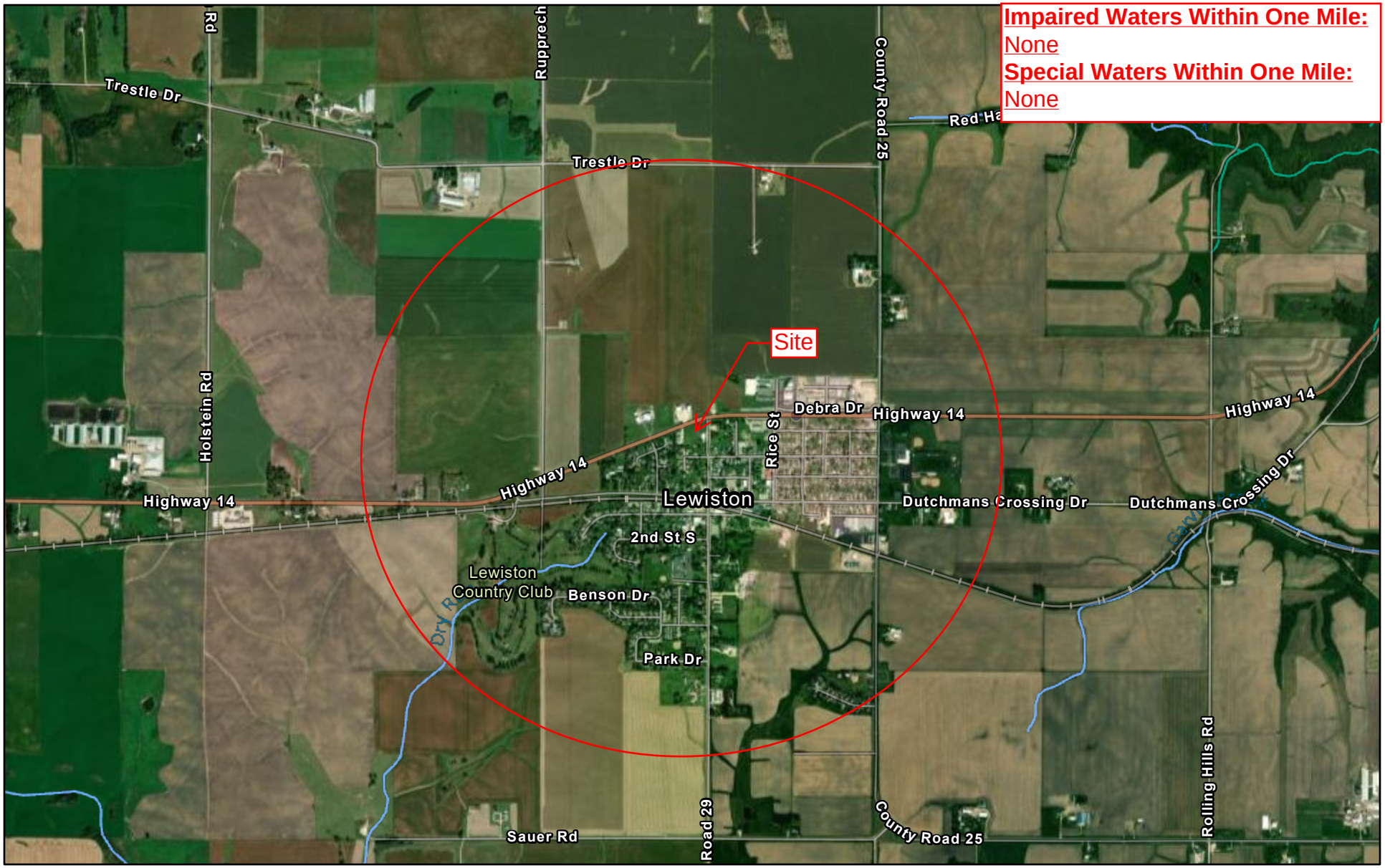
B.1 MPCA Construction Stormwater Map

B.2 USDA NRCS Web Soil Survey

B.3 American Engineering Testing Geotechnical Report

B.1 MPCA Construction Stormwater Map

MPCA's Construction Stormwater Special Waters Search



11/24/2025, 4:42:23 PM

1:36,112

0 0.23 0.45 0.9 mi

0 0.35 0.7 1.4 km

Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

- Waterbody Units - Streams (1)
- Impaired Streams without additional construction requirements
- Trout Stream Tributary

B.2 USDA NRCS Web Soil Survey

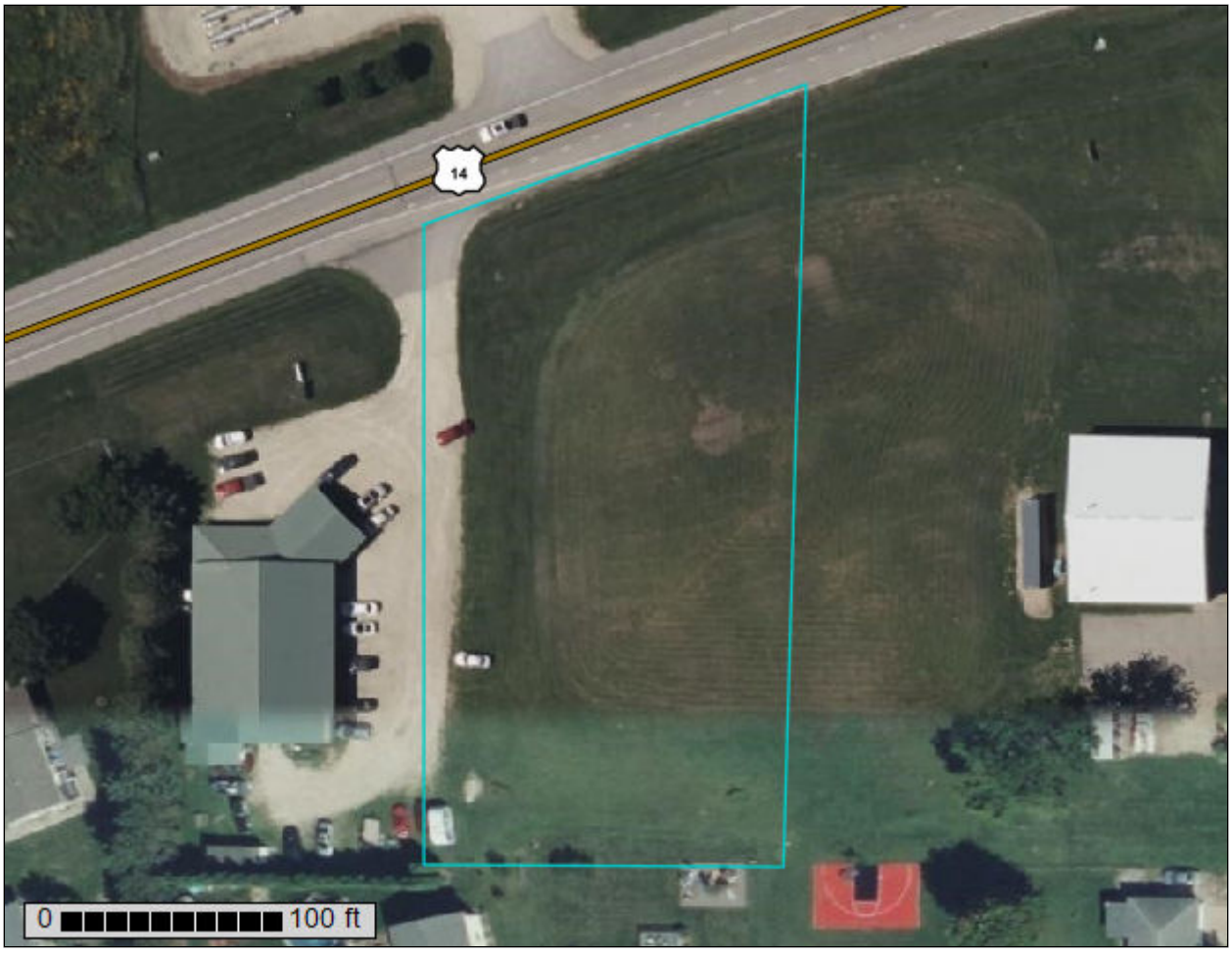
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Winona County, Minnesota



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



Map Scale: 1:632 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Winona County, Minnesota
Survey Area Data: Version 20, Sep 10, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 31, 2020—Sep 13, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
477	Littleton silt loam	0.0	0.1%
1830	Eitzen silt loam	0.1	5.3%
N536A	Tama silt loam, driftless, 0 to 2 percent slopes	1.2	94.0%
N536B	Tama silt loam, driftless, 2 to 6 percent slopes	0.0	0.6%
Totals for Area of Interest		**1.2**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Winona County, Minnesota

477—Littleton silt loam

Map Unit Setting

National map unit symbol: gdgl
Elevation: 660 to 1,340 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Littleton and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Littleton

Setting

Landform: Terraces
Landform position (two-dimensional): Footslope, toeslope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Silty alluvium

Typical profile

Ap - 0 to 8 inches: silt loam
A - 8 to 35 inches: silt loam
Bw,C - 35 to 60 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 12 to 24 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very high (about 13.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B/D
Ecological site: R105XY007WI - Moist Mollic Loamy-Clayey Lowland
Forage suitability group: Level Swale, Neutral (G105XS001MN)
Other vegetative classification: Level Swale, Neutral (G105XS001MN)
Hydric soil rating: No

Minor Components

Eitzen, channeled, occasionally flooded

Percent of map unit: 3 percent
Landform: Flood plains

Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F105XY003WI - Wet Loamy-Clayey Floodplain
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN)
Hydric soil rating: No

Garwin

Percent of map unit: 2 percent
Landform: Drainageways
Landform position (two-dimensional): Footslope, toeslope
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: F105XY005WI - Wet Loamy-Clayey Lowland
Other vegetative classification: Level Swale, Neutral (G105XS001MN)
Hydric soil rating: Yes

1830—Eitzen silt loam

Map Unit Setting

National map unit symbol: gddl
Elevation: 700 to 1,340 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Eitzen, occasionally flooded, and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Eitzen, Occasionally Flooded

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty alluvium

Typical profile

C - 0 to 28 inches: silt loam
Ab - 28 to 47 inches: silt loam
Btb - 47 to 60 inches: silt loam

Properties and qualities

Slope: 1 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 24 to 36 inches

Frequency of flooding: Occasional
Frequency of ponding: None
Available water supply, 0 to 60 inches: Very high (about 12.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Ecological site: F105XY003WI - Wet Loamy-Clayey Floodplain
Forage suitability group: Sloping Upland, Neutral (G105XS002MN)
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN)
Hydric soil rating: No

Minor Components

Port byron

Percent of map unit: 3 percent
Landform: Ridges
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Concave, linear
Ecological site: R104XY005IA - Loamy Upland Prairie
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN)
Hydric soil rating: No

Mt. carroll, moderately eroded

Percent of map unit: 2 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder, summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN), High AWC, adequately drained (G105XY008WI)
Hydric soil rating: No

N536A—Tama silt loam, driftless, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2tc54
Elevation: 560 to 1,740 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Tama and similar soils: 85 percent

Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tama

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loess

Typical profile

Ap - 0 to 6 inches: silt loam
A - 6 to 14 inches: silty clay loam
BA - 14 to 18 inches: silty clay loam
Bt - 18 to 45 inches: silty clay loam
BC - 45 to 79 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very high (about 12.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: C
Ecological site: R105XY011WI - Mollic Loamy-Silty Upland
Forage suitability group: High AWC, adequately drained (G105XY008WI), Sloping Upland, Neutral (G105XS002MN)
Other vegetative classification: High AWC, adequately drained (G105XY008WI), Sloping Upland, Neutral (G105XS002MN)
Hydric soil rating: No

Minor Components

Garwin

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: F105XY005WI - Wet Loamy-Clayey Lowland
Other vegetative classification: Level Swale, Neutral (G105XS001MN), High AWC, high water table (G105XY007WI)
Hydric soil rating: Yes

Muscatine

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R105XY007WI - Moist Mollic Loamy-Clayey Lowland
Other vegetative classification: Level Swale, Acid (G105XS005MN), High AWC, high water table (G105XY007WI)
Hydric soil rating: No

Dinsdale

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R105XY011WI - Mollic Loamy-Silty Upland
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN), High AWC, adequately drained (G105XY008WI)
Hydric soil rating: No

N536B—Tama silt loam, driftless, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2tc56
Elevation: 560 to 1,740 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Tama and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tama

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loess

Typical profile

Ap - 0 to 6 inches: silt loam
A - 6 to 14 inches: silty clay loam
BA - 14 to 18 inches: silty clay loam
Bt - 18 to 45 inches: silty clay loam
BC - 45 to 79 inches: silt loam

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.14 to 1.42 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very high (about 12.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Ecological site: R105XY011WI - Mollic Loamy-Silty Upland
Forage suitability group: Sloping Upland, Neutral (G105XS002MN), High AWC, adequately drained (G105XY008WI)
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN), High AWC, adequately drained (G105XY008WI)
Hydric soil rating: No

Minor Components

Dinsdale

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R105XY011WI - Mollic Loamy-Silty Upland
Other vegetative classification: Sloping Upland, Neutral (G105XS002MN), High AWC, adequately drained (G105XY008WI)
Hydric soil rating: No

Muscatine

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R105XY007WI - Moist Mollic Loamy-Clayey Lowland
Other vegetative classification: Level Swale, Acid (G105XS005MN), High AWC, high water table (G105XY007WI)
Hydric soil rating: No

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B.3 American Engineering Testing Geotechnical Report

REPORT OF GEOTECHNICAL EXPLORATION

Minnwest Bank – Lewiston Branch
US Highway 14
Lewiston, Minnesota

AET Project No. P-0045224

Date: October 17, 2025

Prepared for:
Minnwest Bank
1150 Yankee Doodle Road
Eagan, MN 55121

Geotechnical • Materials
Forensic • Environmental
Building Technology
Petrography/Chemistry

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October 17, 2025

Minnwest Bank
1150 Yankee Doodle Road
Eagan, MN 55121

Attn: Dave Klun, Sr. Facilities Planner
DaveK@minnwestbankgroup.com

RE: Report of Geotechnical Exploration
Minnwest Bank – Lewiston Branch
US Highway 14
Lewiston, Minnesota
AET Proposal No. P-0045224

Dear Mr. Klun:

American Engineering Testing, Inc. (AET) is pleased to present the results of our subsurface exploration program and geotechnical engineering review for your proposed Minnwest Bank Branch in Lewiston, Minnesota. These services were performed according to our proposal to you dated July 21, 2025.

We are submitting an electronic (pdf) copy of the report to you.

Please contact me if you have any questions about the report. I can also be contacted for arranging construction observation and testing services.

Sincerely,
American Engineering Testing, Inc.

Jacob L. Heimdahl, PE (MN, IA, WI, SD)
Senior Geotechnical Engineer
jheimdahl@teamAET.com
Mobile: (507) 281-3547

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SIGNATURE PAGE

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Reviewed by:

Jacob L. Heimdahl, PE (MN, IA, WI)
Senior Geotechnical Engineer

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 Minnesota Statute Section 326.02 to 326.15

Name: Jacob L. Heimdahl

Date: 10/17/2025 License #: 55033

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STANDARD SHEETS
Freezing Weather Effects on Building Construction
Floor Slab Moisture/Vapor Protection

APPENDIX A – Geotechnical Field Exploration and Testing
Boring Log Notes
Unified Soil Classification System
Boring Location Maps
Subsurface Boring Logs

APPENDIX B – Geotechnical Report Limitations and Guidelines for Use

1.0 INTRODUCTION

Minnwest Bank is proposing to construct a new 3,600 square-foot commercial bank building southwest of the intersection of Fremont Street and US Highway 14 in Lewiston, Minnesota. CRW Architecture and Design Group is the design engineer for the project. To assist with planning and design, you have authorized American Engineering Testing, Inc. (AET) to conduct a subsurface exploration program at the site, conduct soil laboratory testing, and perform a geotechnical engineering review for the project. This report presents the results of the above services, and provides our engineering recommendations based on this data.

2.0 SCOPE OF SERVICES

AET's services were performed according to our proposal dated July 21, 2025, which you authorized on July 22, 2025. The authorized scope consisted of the following.

- Arrange clearance of underground public utilities.
- Perform a total of six Standard Penetration Test (SPT) soil borings as follows:
  - Four SPT borings to depths of 20 feet in the vicinity of the proposed building footprint.
  - Two SPT borings to depths of 5 feet in the vicinity of the proposed parking areas/drive lanes.
- Document the presence of groundwater in the boreholes and measure the depths to groundwater level during drilling of each boring.
- Performing soil laboratory testing.
- Conducting a geotechnical engineering review based on the data and preparing this report.

These services are intended for geotechnical purposes only. The scope is not intended to explore for the presence or extent of environmental contamination in the soil or groundwater.

3.0 PROJECT INFORMATION

Minnwest Bank is proposing to construct a new 3,600 square-foot commercial bank building southwest of the intersection of Fremont Street and US Highway 14 in Lewiston, Minnesota. We understand the building will consist of a one story, slab-on grade structure with conventional frost-depth footings and a steel or wood framed superstructure. Associated improvements include utilities and paved parking lots to the north and east of the building, with drive-thru lanes and access drives to the south and west, respectively.

Grading plans were not available at the time of this report. However, the existing topography is generally flat with little vertical relief; Therefore, we anticipate less than 2 feet of cut/fill earthwork will be needed to achieve final grades.

Structural loads were not provided. However, we assume wall loads on the order of 2 to 4 kips per linear foot, maximum column loads of about 50 kips, and floor loads of less than 100 pounds per square foot. We anticipate that the finished floor elevation will be within 2 feet of existing grades.

Our foundation design assumptions include a minimum factor of safety of 3 with respect to the ultimate bearing capacity. We assume the building will be able to tolerate total settlements of up to 1 inch, and differential settlements over a 30-foot distance of up to ½ inch.

The above stated information represents our understanding of the proposed construction. This information is an integral part of our engineering review. It is important that you contact us if there are changes from that described so that we can evaluate whether modifications to our recommendations are appropriate.

4.0 SUBSURFACE EXPLORATION AND TESTING

4.1 Field Exploration Program

The subsurface exploration program conducted for the project consisted of 6 standard penetration test borings performed on August 27, 2025. AET recommended the number, depth, and locations of the soil borings based on our understanding and assumptions of the project.

Borings B-1 through B-4 were performed within the vicinity of the proposed building footprint, and Borings B-5 and B-6 were performed in the vicinity of proposed pavement and utility improvements.

The approximate boring locations are shown on Figure 1 in Appendix A. The borings were staked in the field by AET personnel using GPS equipment with submeter accuracy. The ground surface elevation at each boring was interpolated using the topographic information on the provided site plan. The elevations shown on the logs and in the text of this report should be considered to be approximate and should not be used for estimating earthwork quantities.

The logs of the borings and details of the methods used appear in Appendix A. The logs contain information concerning soil layering, soil classification, geologic origins, and moisture condition.

A density description or consistency is also noted for the natural soils, which is based on the standard penetration resistance (N-value).

4.2 Laboratory Testing

The laboratory test program included visual/manual classification of the soil samples and performing water content tests on select recovered samples from our borings. The test results appear in Appendix A on the individual boring logs adjacent to the samples upon which they were performed.

5.0 SITE CONDITIONS

5.1 Surface Observations

The site is located at 6205 along US Highway 14 in Lewiston, Minnesota. At the time of the exploration, the site consisted of a grass-covered open lot. The proposed construction is surrounded by residential houses to the south, an autobody shop to the west, US Highway 14 to the north, and the Lewiston Fire Department to the East. The site topography was relatively flat with a high elevation of approximately 1232 along the south end of the site and generally sloped downward to a low elevation of approximately 1224 along the north side.

We have reviewed historical aerial imagery and note the site was previously occupied by what appears to be agricultural buildings, possibly grain storage bins. We are not aware of any records associated with the construction or demolition of the previous structures at the site.

5.2 Subsurface Soils/Geology

The site geology is generally characterized by surficial fill and/or topsoil underlain by loess and glacial till soils.

At the ground surface, the boring locations generally consisted of a layer of surficial fill ranging from several inches to 2 feet thick. The fill soils generally consisted of sandy lean clay and lean clay with sand with a little gravel. Small amounts of roots, organic fines, and pieces of recycled bituminous pavement were observed in some of the fill.

Underlying the surficial fill, borings B-1, B-2, B-3, and B-5 encountered a layer of topsoil ranging from about 0.5 to 3 feet below existing grade. N-Values within these layers ranged from 4 to 8 blows per foot (bpf).

Immediately beneath the fill soils and topsoil, the borings encountered loess. The loess was generally composed of brown-gray silt, with the uppermost 2 to 7 feet consisting of lean clay (weathered loess). N-Values ranged from 2 to 8 bpf.

The lower extent of the loess was encountered around 14.5 to 17 feet below existing grades. Underlying the loess is glacial till, comprised of clayey sand and sandy lean clay. Interbedded lenses of glacial outwash, consisting of silty sand was encountered within the glacial till between 17 to 21.5 feet below existing grade in borings B-1 through B-4.

5.3 Groundwater

The soil borings were observed for the presence of groundwater during drilling and upon reaching the planned termination depths. At the time of drilling, groundwater was observed in borings B-3 and B-4 at a depth of approximately 21.1 feet below existing grade. However, groundwater levels can take hours, days, or longer to stabilize within silty, clayey, and sandy lean clay soils encountered throughout the site. Therefore, the measured groundwater depth and lack of measured groundwater may not be indicative of the hydrostatic groundwater level at the site.

Groundwater levels at other times and locations may vary from the groundwater levels observed at the time of our exploration. Groundwater levels will fluctuate due to varying seasonal and annual rainfall and snow melt amounts, as well as other factors. Based upon our experience in this region, groundwater should be expected to accumulate, or “perch,” within the silty-textured loess soils near the interface with the underlying glacial till soils. The height of this perched water condition depends heavily upon recent climate events.

6.0 RECOMMENDATIONS

6.1 Discussion

In general, provided proper planning, staging, and site preparation is conducted for this project, the site is generally suitable for the construction of the building structure. The primary challenges at this site will include mass earthwork/grading with moisture-sensitive soils, and controlled frost heave for sensitive structures or equipment where frost-depth support is not provided.

Additionally, the boring logs indicate that the building will likely be supported in soils identified as loess. It is our opinion that loess should not be used in their current condition for direct support of the building structure. Details regarding recommendations for foundations, utilities, and pavement support are provided in the following sections of this report.

6.1.1 Loess Soil Considerations

Grading plans were not available. However, we anticipate less than 2 feet of cut/fill earthwork will be needed to achieve final grades. Therefore, the existing loess soils will likely be the primary foundation soils within the immediate influence zone of the structure foundations. These soils are wind-deposited and are oftentimes considered to be compressible when subject to significant structure loads or tall soil embankments.

SPT N-values collected in the loess soils within the building footprint ranged from 2 to 8 blows per foot (bpf), but were generally between 4 and 7 bpf. Based on our experience with the loess in this region, the strength observed via SPT N-value in these soils is consistent with our experience.

Given the results of our borings, our understanding of the proposed structure configuration, and the settlement tolerances of the structure, it is our opinion a soil correction is a viable option for this project. As stated above, loess should not be used for the direct support of spread footings or slab support. We recommend the loess be removed to a depth of 2 feet below the planned foundation and floor slab depth. Our recommendations for this procedure are provided in the following sections of this report.

6.2 Site Earthwork

6.2.1 Site preparation and General Earthwork

At the time of our exploration, the site consisted of open, grass covered land. To prepare the building area for foundation and floor slab support, we recommend all fill, topsoil-type soils, and vegetation be removed from the ground surface. Based upon our boring data, this will require excavations ranging from approximately 1 to 3 feet below current site grades. For estimation purposes, we recommend considering an average topsoil thickness of 3 feet across the site. Because conditions will vary away from the boring locations, we recommend that AET geotechnical personnel observe and evaluate the competency of the soils in the excavation bottom prior to new fill or footing placement. If soft or we soils are encountered at the base of the excavation, they should be subcut and replaced or scarified and recompacted.

6.2.2 Foundation Over-Excavation

Although some of the existing fill soils may be judged suitable for floor slab support, we do not recommend any existing fill soils or topsoil be left in place beneath the structure footings. Furthermore, as discussed in Section 6.1.1, we recommend soil corrections be conducted beneath the structure foundations, the final depths of which will depend on the final structure foundation configuration.

We recommend a minimum soil correction of 2 feet beneath perimeter wall foundations (continuous footings), column pad footings, and floor slabs. For foundation over-excavation backfill, we recommend a highly angular crushed product be imported to the site. AET has had positive results using MnDOT Class 5 aggregate in this application. An open graded aggregate may be substituted, though it should be wrapped in geotextile fabric to avoid migration of fines into the aggregate with time.

The soil correction must be oversized laterally beyond the planned outside edges of the foundations to properly support the loads exerted by that foundation. This excavation/engineered fill lateral extension should at least be equal to the vertical depth of fill needed to attain foundation grade at that location (i.e., 1:1 lateral oversize).

The recommended foundation over-excavation depths may extend below groundwater levels at the time of construction, since groundwater levels can become perched within a few feet of the ground surface in this area based on our experience. Therefore, we recommend the contractor be prepared to deal with groundwater seepage during foundation over-excavation and backfill activities. Sump-pumping techniques are oftentimes suitable to dewater shallow excavations made into the regional loess soils. This includes temporarily sloping the excavation bottoms toward sumps to provide a path of drainage and maintain a relatively dry condition.

6.2.3 Fill Soil Types

Based on our boring data, limited amounts of existing fill soils may be suitable for reuse as general fill on this site, if their removal is recommended as discussed in Section 6.2.1 above. We observed dark coloration of some of the fill soils, and sorting may be required to remove soils with higher organic content. Site grading plans were not established at the time of writing this report. If necessary to achieve desired final grades, imported fill soils should be free of organics and should be placed at an appropriate moisture condition for compaction.

For imported fill soils, it is generally desirable by local contractors to import granular soils with a maximum particle size of 2 inches and less than 15 percent of particles passing the No. 200 sieve. Generally, these soils have low sensitivity to moisture content at the time of compaction, and can be placed and compacted with relative ease compared to fine-grained soils.

In general, inorganic, low plasticity, fine-grained soils are suitable soil types for engineered fill where fill depths will be less than 10 feet (such as at this site). However, these soils are sensitive to moisture conditions. Silts, lean clays, and clayey sands must be placed at appropriate moisture contents (defined in Table 6.2.4a) as determined by the standard Proctor test (ASTM D698) for proper compaction and stability. Given this, and depending upon climate conditions prior to and during construction, moisture conditioning may be necessary to achieve appropriate

moisture conditions for compaction; a process that is time consuming, labor intensive, and requires favorable weather conditions.

Where fill is needed in excavations in wet conditions or below standing water, we recommend using free-draining sand or gravel (USCS Classification SP or GP) as fill. We define free-draining sands and gravels as having no more than 40 percent of their particles (by weight) finer than the #40 sieve and no more than 5 percent (by weight) finer than the #200 sieve. These free-draining materials should be used until the excavation bottom has been filled at least 1 foot above the wet soils and/or standing water.

6.2.4 Fill Placement and Compaction

The following table presents our recommendations for compaction and moisture condition of engineered fill.

Table 6.2.4a: Compaction Recommendations

Location	Relative Compaction ASTM D 698 standard Proctor (%)	Moisture Content Variance from Optimum, (percentage points)	Loose Lift Thickness (Inches)(1)
Below structures and exterior flatwork areas	98	Coarse Grained +/- 3(2)	12
		Fine Grained -1 to +3	8
Below landscaped areas	90	+/- 4	12

(1) Reduce lift thickness by approximately one half if hand-held equipment is used for compaction
(2) Coarse-grained soils should consist of soils with symbols of SP, SP-SM and SM or similar gravels, as previously defined in section 6.2.2

6.3 Structure Support

6.3.1 Spread Foundation Design

In our opinion, the proposed structures can be supported on conventional spread foundations provided site preparations and foundation soil corrections are conducted as discussed in Section 6.2 above. We recommend perimeter foundations for heated building space is placed such that the bottom is a minimum of 42 inches below exterior grade. We recommend foundations for unheated building space (such as canopy foundations) be extended to a minimum of 60 inches below exterior grade.

Based on the conditions encountered, it is our opinion the building foundations can be designed based on a net maximum allowable soil bearing pressure of 2,500 pounds per square foot. It is our judgment this design pressure will have a factor of safety of at least 3 against the ultimate

foundation soil bearing capacity. We judge that total settlements under this loading should not exceed 1 inch. We also judge that differential settlements of conditions depicted by the borings should not exceed ½ inch.

6.3.2 Floor Slab Design

Preparation of the building areas as previously discussed in Section 6.2 (removing fill soils and topsoil, and providing proper engineered fill materials) will also prepare the building areas for floor slab support. To provide a uniform, stable subgrade for floor slab support, we recommend at least 12 inches of crushed aggregate subbase be incorporated with the floor design for the proposed structures. If fine-grained fill soils are imported to the site to build grades, a separator fabric should be used to avoid mixing of the underlying fine-grained soils with the coarse-grained, clean crushed aggregates. If sand is imported to the site beneath the crushed aggregate in floor slab areas, a separator fabric is not needed.

The silt-textured soils present near the ground surface of this site can contribute to the transmission of water vapors into climate controlled spaces. Therefore, we recommend a water vapor barrier be incorporated with the floor slab design section.

6.4 Site Utilities

6.4.1 Utility Support

Based on our boring data, the underground utilities will likely extend to suitable soils in most areas of the site. In areas where soft, loose, or otherwise unsuitable soils are encountered (i.e. debris or soils too soft to support construction traffic), they should be subcut to provide proper support to facilitate utility installation. The thickness of the subcut is dependent on conditions, although we suspect it should not be necessary to subcut more than 1 to 2 feet below pipe invert elevation. If unsuitable conditions extend beyond the 2-foot subcut depth, further evaluation should be performed. The placement of a geotextile fabric can aid in providing improved stability. All subcuts below the pipe/manhole locations should include 1:1 lateral oversizing.

In addition to the subcutting, the trench bottoms should be properly dewatered to reduce disturbance and to allow bedding and utility placement. Control of subsurface water in excavations will be dependent upon the time the excavations are open and climate conditions surrounding the construction schedule.
Following trenching and subcutting as needed, we recommend the following soil types be used for bedding/ refilling:

- In the case of competent trench bottoms, several inches of granular bedding should be provided for uniform pipe support. Granular bedding should consist of crushed aggregate with no more than 12 percent (by weight) of particles passing the #200 sieve, and no particles larger than 1 inch in diameter.

- In areas where a special bedding is needed to re-attain grade after subcuts, it may be possible to simply use a thicker “granular bedding”. However, using coarser grained materials may provide enhanced stability with a thinner section. In more extreme stability cases, coarse rock bedding should be used such as the coarse filter aggregate material designated by MnDOT Specification 3149.2.H. When using a coarser material such as this, which includes larger void space, it is important to envelope the layer within a geotextile fabric to prevent the intrusion of fines into the rock void space.

Thinner granular bedding should be hand-tamped into place. In areas where fill thicknesses become on the order of 1 foot or more due to deeper subcuts, the soils should be compacted to a minimum of 95 percent of the standard Proctor density. In the case where granular bedding is not compactable due to poor stability, rock bedding should be used (which is usually not compacted and tested).

Any bedding which is provided should be interrupted at a minimum of every 500 feet with a clay or concrete seal to prevent the transmission of subsurface water alongside the utility.

6.4.2 Utility Backfilling

In general, trench backfill should be compacted to a minimum of 95 percent of the material’s standard Proctor dry unit weight. Where utilities are installed beneath roadways or parking surfaces, backfill within the upper 3 feet of utility trench excavations should be compacted to a minimum of 100 percent of the material’s standard Proctor dry unit weight.

It is important to note, as previously discussed, that fine-grained soils may be somewhat difficult to compact due to their sensitivity to moisture condition. Clayey and silty soils need to be compacted within a certain range of moisture content to attain appropriate compaction levels. Moisture conditioning to within this range can be time consuming, labor intensive, and requires favorable weather. The need for conditioning most often occurs when excavated materials are stockpiled and allowed to dry (or become very wet with rain events) adjacent to utility trench excavations for extended periods.

6.5 Site Pavements

This section references the 2020 MnDOT Standard Specifications for Construction (MnDOT Spec.). Please refer to this document for definitions of italicized words in the ensuing sections

6.5.1 Sand Subbase

The existing fine-grained, silt-textured soils present in the pavement areas are highly susceptible to frost heave and are slow draining. Soil with poor drainage characteristics will lead to trapped water within the upper portion of the subgrade or the aggregate base layer. This condition can accelerate subgrade softening, resulting in alligator cracking, frost distortion and pothole formation.

Improved long-term pavement performance can be achieved by placing a draining sand subbase layer as the top portion of the subgrade where granular materials are not already present. The sand subbase layer will better control infiltrating water, as well as the associated frost movements. Placement of a sand subbase layer will increase initial costs, however, the use of a drained sand subbase should reduce future maintenance; extend the pavement life; and improve constructability.

As a minimum, we recommend using a 1-foot thick sand subbase beneath the aggregate base soils. Where there is a need to vary the thickness of the subbase, we recommend the thickness have a taper of no steeper than 10:1 (horizontal to vertical). The subcut and sand layer placement should extend slightly beyond the outer edge of the curb/paved edge, in order to maintain frost uniformity.

Sand subbase materials should at least meet the requirement of a Select Granular Material per Mn/DOT specification Table 3149.2-1. The subbase layer should be provided with a means of subsurface drainage, in order to prevent build up of water within the sand subbase. This can be accomplished by placing “finger drains”, which are segments of properly engineered drainage lines connected to catch basins in low elevation areas.

6.5.2 Subgrade Preparation

At a minimum, the soils exposed at the bottom of *grading grade* should be prepared per MnDOT Spec. 2112, Subgrade Preparation. We recommend 12-inch subgrade preparation depths be incorporated with this project. If the subgrade preparation procedure encounters *unstable soils*, *organic soils*, or any soils which do not meet the requirements for *Select Grading Material*, we recommend removing these unsuitable materials and replacing them with *Select Grading Material*.

6.5.3 Subgrade Stability

Before placement of the sand subbase, the final soil subgrade should have proper stability within the *critical subgrade zone*. This will generally be achieved through proper subgrade preparation as outlined above. The subgrade stability should be evaluated using the *test roll* procedure. If unstable soils are found under the *test roll*, these soils should be improved by means of scarification, drying, and recompaction, or by subcutting and replacement. The final soils which remain in place within the *critical subgrade zone* should be capable of passing a *test roll* prior to placing the *aggregate base*.

6.5.4 Design R-value

Based on our experience with similar soils in this region of Minnesota, we recommend assuming a limiting R-value of 7 for pavement design. This limiting R-value is representative of numerous tests were have performed on silt-textured subgrade soils.

6.5.5 Flexible Pavement Sections

Our recommended pavement designs for light-duty and heavy-duty pavements are provided in the following tables. Our recommendations are based upon the design considerations and recommendations set forth in Chapter 4 of Minnesota Asphalt Paving Association's Asphalt Paving Design Guide.

Table 6.5.5a: Light-Duty Flexible Pavement Design (automobile parking)

Layer	Thickness (inches)	Material
Bituminous Wear	1.5	SPWEA340C (PG H-34)
Bituminous Non-Wear	2	SPWEB340C (PG H-34)
Aggregate Base	6	Class 5 or 6, MnDOT 3138
Sand Subbase	12	"Select Granular Material" MnDOT 3149.2-1
Subgrade Preparation MnDOT 2112	12	Select Grading MnDOT 2105.1.A.6
Total Depth (inches)	**33.5**	

Table 6.5.5b: Heavy-Duty Flexible Pavement Design (access drives, deliveries, etc.)

Layer	Thickness (inches)	Material
Bituminous Wear	3	SPWEB330F (PG 58V-34)
Bituminous Non-Wear	2	SPWNW330B (PG 58S-28)
Aggregate Base	10	Class 5 or 6, MnDOT 3138
Sand Subbase	12	"Select Granular Material" MnDOT 3149.2-1
Subgrade Preparation MnDOT 2112	12	Select Grading MnDOT 2105.1.A.6
Total Depth (inches)	**39**	

The bituminous mixtures should meet the most current MnDOT Specification 2360 (Plant-Mixed Asphalt Pavement) requirements. Compaction of all bituminous mixtures should be by the "Maximum Density Method."

An F-binder oil (PG 58V-34) is recommended in the wear course for the heavy duty pavement, which will provide more resistance to rutting under heavy, slow, turning traffic as well as static wheel loads. Although more expensive, the use of F-binder oil in the upper 3 to 4 inches of a pavement section will also result in less thermal cracking of the pavement and subsequently less maintenance and better long-term pavement performance.

Use of recycled asphalt pavement (RAP) in the bituminous mixture is a cost saving measure that is often suggested. We recommend limiting RAP within the upper wear course to a maximum of 10 percent and in lower courses to a maximum of 20 percent to help reduce thermal cracking. If bituminous mixes are utilized other than those recommended, a lower percentage of RAP may be needed.

6.5.6 Bituminous Pavement Maintenance

The bituminous designs presented are based on the design life specified; however, bituminous pavements require ongoing maintenance. Even if properly placed and compacted on stable subgrade conditions, bituminous pavements typically experience cracking in 1 to 3 years, primarily due to temperature-related expansion and shrinkage, but also due to the loss of volatiles from the bituminous cement. These cracks cannot be avoided, they should be cleaned and filled with hot bituminous sealant. We recommend that a regularly scheduled maintenance program consisting of crack sealing and patching of local distressed areas be implemented. Seal coating of the pavement surface after 3 to 5 years also helps prolong pavement life.

7.0 CONSTRUCTION CONSIDERATIONS

7.1 Potential Difficulties

7.1.1 Runoff Water in Excavation

Water can be expected to collect in the excavation bottom during times of inclement weather or snow melt. To allow observation of the excavation bottom, to reduce the potential for soil disturbance, and to facilitate filling operations, we recommend water be removed from within the excavation during construction. Based on the soils encountered, we anticipate the groundwater can be handled with conventional sump pumping.

7.1.2 Disturbance of Soils

The on-site soils can be disturbed under construction traffic, especially if the soils are wet. If soils become disturbed, they should be subcut to the underlying undisturbed soils. The subcut soils can then be dried and recompacted back into place, or they should be removed and replaced with drier imported fill.

7.1.3 Cobbles and Boulders

The soils at this site can include cobbles and boulders. This may make excavating procedures somewhat more difficult than normal if they are encountered.

7.1.4 Winter Construction

If construction occurs during the winter, it is necessary for the contractor to protect the base soils from freezing each day and each night before new fill is placed. Fill should not be placed over frozen soils, snow, or ice, nor should the use of frozen fill soils be permitted. The contractor must protect base soils from freezing before and after fill placement, and before, during, and after concrete placement. We recommend that a special pre-construction meeting be held to discuss the procedures and precautions that must be followed.

7.2 Excavation Backsloping

If excavation faces are not retained, the excavations should maintain maximum allowable slopes in accordance with *OSHA Regulations (Standards 29 CFR), Part 1926, Subpart P, "Excavations"* (can be found on www.osha.gov). Even with the required OSHA sloping, water seepage or surface runoff can potentially induce sideslope erosion or sloughing which could require slope maintenance.

7.3 Observation and Testing

The recommendations in this report are based on the subsurface conditions found at our test boring locations. Since the soil conditions can be expected to vary away from the soil boring locations, we recommend on-site observation by a geotechnical engineer/technician during construction to evaluate these potential changes. Soil density testing should also be performed on new fill placed in order to document that project specifications for compaction have been satisfied.

8.0 TEST STANDARDS

When we refer to an ASTM Standard in this report, we mean that our services were performed in general accordance with that standard. Compliance with any other standards referenced within the specified standard is neither inferred nor implied.

9.0 LIMITATIONS

Within the limitations of scope, budget, and schedule, we have endeavored to provide our services according to generally accepted geotechnical engineering practices at this time and location. Other than this, no warranty, express or implied, is intended.

Important information regarding risk management and proper use of this report is given in Appendix B entitled “Geotechnical Report Limitations and Guidelines for Use.”

Standard Sheets

Freezing Weather Effects on Building Construction
Floor Slab Moisture/Vapor Protection

FREEZING WEATHER EFFECTS ON BUILDING CONSTRUCTION

GENERAL

Because water expands upon freezing and soils contain water, soils which are allowed to freeze will heave and lose density. Upon thawing, these soils will not regain their original strength and density. The extent of heave and density/strength loss depends on the soil type and moisture condition. Heave is greater in soils with higher percentages of fines (silts/clays). High silt content soils are most susceptible, due to their high capillary rise potential which can create ice lenses. Fine grained soils generally heave about 1/4" to 3/8" for each foot of frost penetration. This can translate to 1" to 2" of total frost heave. This total amount can be significantly greater if ice lensing occurs.

DESIGN CONSIDERATIONS

Clayey and silty soils can be used as perimeter backfill, although the effect of their poor drainage and frost properties should be considered. Basement areas will have special drainage and lateral load requirements which are not discussed here. Frost heave may be critical in doorway areas. Stoops or sidewalks adjacent to doorways could be designed as structural slabs supported on frost footings with void spaces below. With this design, movements may then occur between the structural slab and the adjacent on-grade slabs. Non-frost susceptible sands (with less than 40% by weight passing a #40 sieve and no more than 5% by weight passing a #200 sieve) can be used below such areas. Depending on the function of surrounding areas, the sand layer may need a thickness transition away from the area where movement is critical. With sand placement over slower draining soils, subsurface drainage would be needed for the sand layer. High density extruded polystyrene insulation could be used within the sand to reduce frost penetration, thereby reducing the sand thickness needed. We caution that insulation placed near the surface can increase the potential for ice glazing of the surface.

The possible effects of adfreezing should be considered if clayey or silty soils are used as backfill. Adfreezing occurs when backfill adheres to rough surfaced foundation walls and lifts the wall as it freezes and heaves. This occurrence is most common with masonry block walls, unheated or poorly heated building situations and clay backfill. The potential is also increased where backfill soils are poorly compacted and become saturated. The risk of adfreezing can be decreased by placing a low friction separating layer between the wall and backfill.

Adfreezing can occur on exterior piers (such as deck, fence, or other similar pier footings), even if a smooth surface is provided. This is more likely in poor drainage situations where soils become saturated. Additional footing embedment and/or widened footings below the frost zones (which include tensile reinforcement) can be used to resist uplift forces. Specific designs would require individual analysis.

CONSTRUCTION CONSIDERATIONS

Foundations, slabs and other improvements which may be affected by frost movements should be insulated from frost penetration during freezing weather. If filling takes place during freezing weather, all frozen soils, snow and ice should be stripped from areas to be filled prior to new fill placement. The new fill should not be allowed to freeze during transit, placement or compaction. This should be considered in the project scheduling, budgeting and quantity estimating. It is usually beneficial to perform cold weather earthwork operations in small areas where grade can be attained quickly rather than working larger areas where a greater amount of frost stripping may be needed. If slab subgrade areas freeze, we recommend the subgrade be thawed prior to floor slab placement. The frost action may also require reworking and recompaction of the thawed subgrade.

FLOOR SLAB MOISTURE/VAPOR PROTECTION

Floor slab design relative to moisture/vapor protection should consider the type and location of two elements, a granular layer and a vapor membrane (vapor retarder, water resistant barrier or vapor barrier). In the following sections, the pros and cons of the possible options regarding these elements will be presented, such that you and your specifier can make an engineering decision based on the benefits and costs of the choices.

GRANULAR LAYER

In American Concrete Institute (ACI) 302.1R-15, a "base material" is recommended over the vapor membrane, rather than the conventional clean "sand cushion" material. The base layer should be a minimum of 4 inches (100 mm) thick, trimmable, compactable, granular fill (not sand), a so-called crusher-run material. Usually graded from 1½ inches to 2 inches (38 to 50 mm) down to rock dust is suitable. Following compaction, the surface can be choked off with a fine-grade material. We refer you to ACI 302.1R-15 for additional details regarding the requirements for the base material.

In cases where potential static water levels or significant perched water sources appear near or above the floor slab, an under floor drainage system may be needed wherein a draintile system is placed within a thicker clean sand or gravel layer. Such a system should be properly engineered depending on subgrade soil types and rate/head of water inflow.

VAPOR MEMBRANE

The need for a vapor membrane depends on whether the floor slab will have a vapor sensitive covering, will have vapor sensitive items stored on the slab, or if the space above the slab will be a humidity controlled area. If the project does not have this vapor sensitivity or moisture control need, placement of a vapor membrane may not be necessary. Your decision will then relate to whether to use the ACI base material or a conventional sand cushion layer. However, if any of the above sensitivity issues apply, placement of a vapor membrane is recommended. Some floor covering systems (adhesives and flooring materials) require installation of a vapor membrane to limit the slab moisture content as a condition of their warranty.

VAPOR MEMBRANE/GRANULAR LAYER PLACEMENT

A number of issues should be considered when deciding whether to place the vapor membrane above or below the granular layer. The benefits of placing the slab on a granular layer, with the vapor membrane placed **below** the granular layer, include **reduction** of the following:

- Slab curling during the curing and drying process.
- Time of bleeding, which allows for quicker finishing.
- Vapor membrane puncturing.
- Surface blistering or delamination caused by an extended bleeding period.
- Cracking caused by plastic or drying shrinkage.

The benefits of placing the vapor membrane over the granular layer include the following:

- A lower moisture emission rate is achieved faster.
- Eliminates a potential water reservoir within the granular layer above the membrane.
- Provides a "slip surface", thereby reducing slab restraint and the associated random cracking.

If a membrane is to be used in conjunction with a granular layer, the approach recommended depends on slab usage and the construction schedule. The vapor membrane should be placed above the granular layer when:

- Vapor sensitive floor covering systems are used or vapor sensitive items will be directly placed on the slab.
- The area will be humidity controlled, but the slab will be placed before the building is enclosed and sealed from rain.
- Required by a floor covering manufacturer's system warranty.

The vapor membrane should be placed below the granular layer when:

- Used in humidity controlled areas (without vapor sensitive coverings/stored items), with the roof membrane in place, and the building enclosed to the point where precipitation will not intrude into the slab area. Consideration should be given to slight sloping of the membrane to edges where draintile or other disposal methods can alleviate potential water sources, such as pipe or roof leaks, foundation wall damp proofing failure, fire sprinkler system activation, etc.

There may be cases where membrane placement may have a detrimental effect on the subgrade support system (e.g., expansive soils). In these cases, your decision will need to weigh the cost of subgrade options and the performance risks.

Appendix A

Geotechnical Field Exploration and Testing
Boring Log Notes
Unified Soil Classification System
Boring Location Map
Subsurface Boring Logs

Appendix A
Geotechnical Field Exploration and Testing
Report No. P-0045224

A.1 FIELD EXPLORATION

The subsurface conditions at the site were explored by drilling and sampling 6 standard penetration test borings. The locations of the borings appear on Boring Location Map, preceding the Subsurface Boring Logs in this appendix.

A.2 SAMPLING METHODS

A.2.1 Split-Spoon Samples (SS)

Standard penetration (split-spoon) samples were collected in general accordance with ASTM: D1586 The ASTM test method consists of driving a 2-inch O.D. split-barrel sampler into the in-situ soil with a 140-pound hammer dropped from a height of 30 inches. The sampler is driven a total of 18 inches into the soil. After an initial set of 6 inches, the number of hammer blows to drive the sampler the final 12 inches is known as the standard penetration resistance or N-value.

A.2.2 Disturbed Samples (DS)/Spin-up Samples (SU)

Sample types described as “DS” or “SU” on the boring logs are disturbed samples, which are taken from the flights of the auger. Because the auger disturbs the samples, possible soil layering and contact depths should be considered approximate.

A.2.3 Sampling Limitations

Unless actually observed in a sample, contacts between soil layers are estimated based on the spacing of samples and the action of drilling tools. Cobbles, boulders, and other large objects generally cannot be recovered from test borings, and they may be present in the ground even if they are not noted on the boring logs.

Determining the thickness of “topsoil” layers is usually limited, due to variations in topsoil definition, sample recovery, and other factors. Visual-manual description often relies on color for determination, and transitioning changes can account for significant variation in thickness judgment. Accordingly, the topsoil thickness presented on the logs should not be the sole basis for calculating topsoil stripping depths and volumes. If more accurate information is needed relating to thickness and topsoil quality definition, alternate methods of sample retrieval and testing should be employed.

A.3 CLASSIFICATION METHODS

Soil descriptions shown on the boring logs are based on the Unified Soil Classification (USC) system. The USC system is described in ASTM: D2487 and D2488. Where laboratory classification tests (sieve analysis or Atterberg Limits) have been performed, accurate classifications per ASTM: D2487 are possible. Otherwise, soil descriptions shown on the boring logs are visual-manual judgments. Charts are attached which provide information on the USC system, the descriptive terminology, and the symbols used on the boring logs.

The boring logs include descriptions of apparent geology. The geologic depositional origin of each soil layer is interpreted primarily by observation of the soil samples, which can be limited. Observations of the surrounding topography, vegetation, and development can sometimes aid this judgment.

A.4 WATER LEVEL MEASUREMENTS

The groundwater level measurements are shown at the bottom of the boring logs. The following information appears under “Water Level Measurements” on the logs:

- Date and Time of measurement
- Sampled Depth: lowest depth of soil sampling at the time of measurement
- Casing Depth: depth to bottom of casing or hollow-stem auger at time of measurement
- Cave-in Depth: depth at which measuring tape stops in the borehole
- Water Level: depth in the borehole where free water is encountered
- Drilling Fluid Level: same as Water Level, except that the liquid in the borehole is drilling fluid

The true location of the water table at the boring locations may be different than the water levels measured in the boreholes. This is possible because there are several factors that can affect the water level measurements in the borehole. Some of these factors include: permeability of each soil layer in profile, presence of perched water, amount of time between water level readings, presence of drilling fluid, weather conditions, and use of borehole casing.

A.5 LABORATORY TEST METHODS

A.5.1 Water Content Tests

Conducted per AET Procedure 01-LAB-010, which is performed in general accordance with ASTM: D2216 and AASHTO: T265.

A.6 TEST STANDARD LIMITATIONS

Field and laboratory testing is done in general conformance with the described procedures. Compliance with any other standards referenced within the specified standard is neither inferred nor implied.

A.7 SAMPLE STORAGE

Unless notified to do otherwise, we routinely retain representative samples of the soils recovered from the borings for a period of 30 days.

BORING LOG NOTES

DRILLING AND SAMPLING SYMBOLS

Symbol	Definition
AR:	Sample of material obtained from cuttings blown out the top of the borehole during air rotary procedure.
B, H, N:	Size of flush-joint casing
CAS:	Pipe casing, number indicates nominal diameter in inches
COT:	Clean-out tube
DC:	Drive casing; number indicates diameter in inches
DM:	Drilling mud or bentonite slurry
DR:	Driller (initials)
DS:	Disturbed sample from auger flights
DP:	Direct push drilling; a 2.125 inch OD outer casing with an inner 1½ inch ID plastic tube is driven continuously into the ground.
FA:	Flight auger; number indicates outside diameter in inches
HA:	Hand auger; number indicates outside diameter
HSA:	Hollow stem auger; number indicates inside diameter in inches
LG:	Field logger (initials)
MC:	Column used to describe moisture condition of samples and for the ground water level symbols
N (BPF):	Standard penetration resistance (N-value) in blows per foot (see notes)
NQ:	NQ wireline core barrel
PQ:	PQ wireline core barrel
RDA:	Rotary drilling with compressed air and roller or drag bit.
RDF:	Rotary drilling with drilling fluid and roller or drag bit
REC:	In split-spoon (see notes), direct push and thin-walled tube sampling, the recovered length (in inches) of sample. In rock coring, the length of core recovered (expressed as percent of the total core run). Zero indicates no sample recovered.
SS:	Standard split-spoon sampler (steel; 1.5" is inside diameter; 2" outside diameter); unless indicated otherwise
SU	Spin-up sample from hollow stem auger
TW:	Thin-walled tube; number indicates inside diameter in inches
WASH:	Sample of material obtained by screening returning rotary drilling fluid or by which has collected inside the borehole after "falling" through drilling fluid
WH:	Sampler advanced by static weight of drill rod and hammer
WR:	Sampler advanced by static weight of drill rod
94mm:	94 millimeter wireline core barrel
▼:	Water level directly measured in boring
▽:	Estimated water level based solely on sample appearance

TEST SYMBOLS

Symbol	Definition
CONS:	One-dimensional consolidation test
DEN:	Dry density, pcf
DST:	Direct shear test
E:	Pressuremeter Modulus, tsf
HYD:	Hydrometer analysis
LL:	Liquid Limit, %
LP:	Pressuremeter Limit Pressure, tsf
OC:	Organic Content, %
PERM:	Coefficient of permeability (K) test; F - Field; L - Laboratory
PL:	Plastic Limit, %
q_p:	Pocket Penetrometer strength, tsf (approximate)
q_c:	Static cone bearing pressure, tsf
q_u:	Unconfined compressive strength, psf
R:	Electrical Resistivity, ohm-cms
RQD:	Rock Quality Designation of Rock Core, in percent (aggregate length of core pieces 4" or more in length as a percent of total core run)
SA:	Sieve analysis
TRX:	Triaxial compression test
VSR:	Vane shear strength, remolded (field), psf
VSU:	Vane shear strength, undisturbed (field), psf
WC:	Water content, as percent of dry weight
%-200:	Percent of material finer than #200 sieve

STANDARD PENETRATION TEST NOTES

The standard penetration test consists of driving a split-spoon sampler with a drop hammer counting the number of blows applied in each of three 6" increments of penetration. If the sampler is driven less than 18" (usually in highly resistant material), permitted in ASTM: D1586, the blows for each complete 6" increment and for each partial increment is on the boring log. For partial increments, the number of blows is shown to the nearest 0.1' below the slash.

The length of sample recovered, as shown on the "REC" column, may be greater than the distance indicated in the N column. The disparity is because the N-value is recorded below the initial 6" set (unless partial penetration defined in ASTM: D1586 is encountered) whereas the length of sample recovered is for the entire sampler drive (which may even extend more than 18").

UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM Designations: D 2487, D2488

AMERICAN ENGINEERING TESTING, INC.

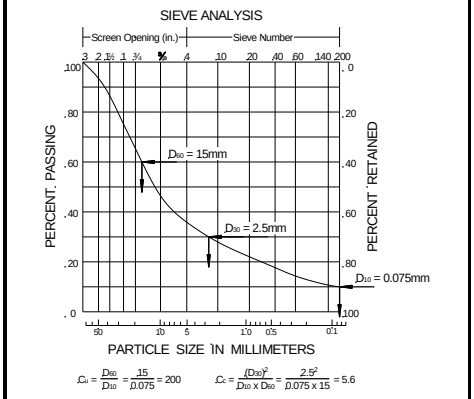
Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests[A]				Soil Classification: Group Symbol	Soil Classification: Group Name[B]
Coarse-Grained Soils More than 50% retained on No. 200 sieve	Gravels More than 50% coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5% fines[C]	Cu≥4 and 1≤Cc≤3[E]	GW	Well graded gravel[F]
			Cu<4 and/or 1>Cc>3[E]	GP	Poorly graded gravel[F]
		Gravels with Fines more than 12% fines[C]	Fines classify as ML or MH	GM	Silty gravel[F,G,H]
			Fines classify as CL or CH	GC	Clayey gravel[F,G,H]
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5% fines[D]	Cu≥6 and 1≤Cc≤3[E]	SW	Well-graded sand[I]
			Cu<6 and/or 1>Cc>3[E]	SP	Poorly-graded sand[I]
		Sands with Fines more than 12% fines[D]	Fines classify as ML or MH	SM	Silty sand[G,H,I]
			Fines classify as CL or CH	SC	Clayey sand[G,H,I]
Fine-Grained Soils 50% or more passes the No. 200 sieve (see Plasticity Chart below)	Silts and Clays Liquid limit less than 50	inorganic	PI>7 and plots on or above "A" line[J]	CL	Lean clay[K,L,M]
			PI<4 or plots below "A" line[J]	ML	Silt[K,L,M]
		organic	Liquid limit–oven dried / Liquid limit – not dried <0.75	OL	Organic clay[K,L,M,N] / Organic silt[K,L,M,O]
	Silts and Clays Liquid limit 50 or more	inorganic	PI plots on or above "A" line	CH	Fat clay[K,L,M]
			PI plots below "A" line	MH	Elastic silt[K,L,M]
		organic	Liquid limit–oven dried / Liquid limit – not dried <0.75	OH	Organic clay[K,L,M,P] / Organic silt[K,L,M,Q]
Highly organic soil			Primarily organic matter, dark in color, and organic in odor	PT	Peat[R]

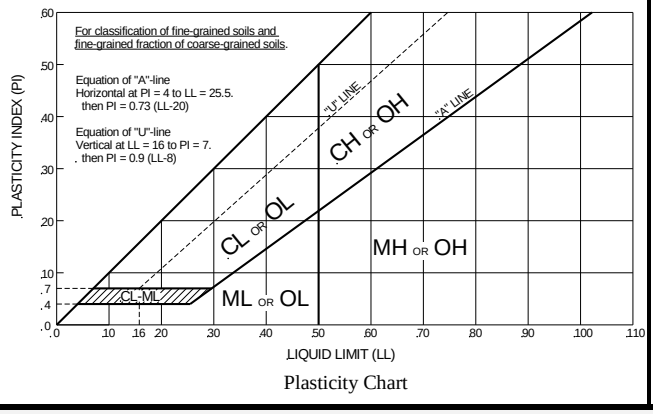
Notes

[A]Based on the material passing the 3-in (75-mm) sieve.
[B]If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
[C]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
[D]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

[E]$Cu = D_{60} / D_{10}$, $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$

[F]If soil contains ≥15% sand, add "with sand" to group name.
[G]If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.
[H]If fines are organic, add "with organic fines" to group name.
[I]If soil contains ≥15% gravel, add "with gravel" to group name.
[J]If Atterberg limits plot is hatched area, soil is a CL-ML silty clay.
[K]If soil contains 15 to 29% plus No. 200 add "with sand" or "with gravel", whichever is predominant.
[L]If soil contains ≥30% plus No. 200, predominantly sand, add "sandy" to group name.
[M]If soil contains ≥30% plus No. 200, predominantly gravel, add "gravelly" to group name.
[N]PI≥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.
[R]Fiber Content description shown below.





Plasticity Chart

ADDITIONAL TERMINOLOGY NOTES USED BY AET FOR SOIL IDENTIFICATION AND DESCRIPTION

Grain Size

Term	Particle Size
Boulders	Over 12"
Cobbles	3" to 12"
Gravel	#4 sieve to 3"
Sand	#200 to #4 sieve
Fines (silt & clay)	Pass #200 sieve

Gravel Percentages

Term	Percent
A Little Gravel	3% - 14%
With Gravel	15% - 29%
Gravelly	30% - 50%

Consistency of Plastic Soils

Term	N-Value, BPF
Very Soft	less than 2
Soft	2 - 4
Firm	5 - 8
Stiff	9 - 15
Very Stiff	16 - 30
Hard	Greater than 30

Relative Density of Non-Plastic Soils

Term	N-Value, BPF
Very Loose	0 - 4
Loose	5 - 10
Medium Dense	11 - 30
Dense	31 - 50
Very Dense	Greater than 50

Moisture/Frost Condition

(MC Column)

D (Dry): Absence of moisture, dusty, dry to touch.
M (Moist): Damp, although free water not visible. Soil may still have a high water content (over "optimum").
W (Wet/ Waterbearing): Free water visible, intended to describe non-plastic soils. Waterbearing usually relates to sands and sand with silt.
F (Frozen): Soil frozen

Layering Notes

Laminations: Layers less than ½" thick of differing material or color.
Lenses: Pockets or layers greater than ½" thick of differing material or color.

Peat Description

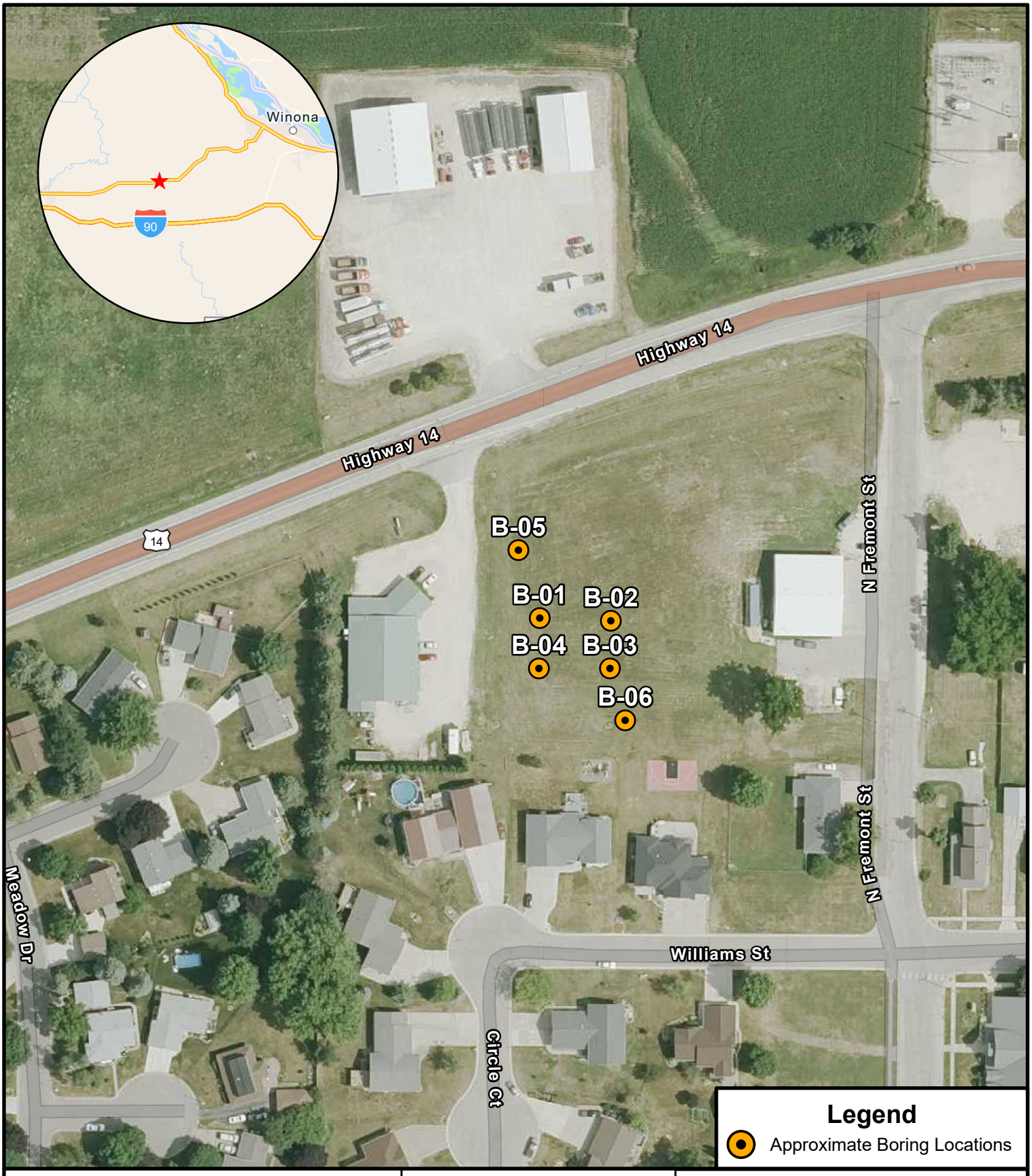
Term	Fiber Content (Visual Estimate)
Fibric Peat:	Greater than 67%
Hemic Peat:	33 – 67%
Sapric Peat:	Less than 33%

Organic Description (if no lab tests)

Soils are described as *organic*, if soil is not peat and is judged to have sufficient organic fines content to influence the Liquid Limit properties. *Slightly organic* used for borderline cases.

Root Inclusions

With roots: Judged to have sufficient quantity of roots to influence the soil properties.
Trace roots: Small roots present, but not judged to be in sufficient quantity to significantly affect soil properties.



AMERICAN ENGINEERING TESTING

Map Reference:
MnGeo 2023

N

0 100 200

Feet

Figure 1

Boring Location Map

Minnwest Bank
Lewiston, MN

Date: 10/9/2025 AET Project No. P-0045

SUBSURFACE BORING LOG

AET No: **P-0045224** Log of Boring No. **B-1 (p. 1 of 1)**

Project: **Minnwest Bank - Lewiston Branch;**

DEPTH IN FEET	MATERIAL DESCRIPTION (Surface Elevation 1228)	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	DEN	LL	PL	%-#200
1	FILL, mostly lean clay with sand, a little gravel, a piece of bituminous pavement, trace roots, brown	FILL	5	M	SS	3	15				
2	LEAN CLAY, trace roots, dark brown, firm (CL)	TOPSOIL					30				
3			6	M	SS	24	29				
4	LEAN CLAY, brown, firm (CL)	LOESS					26				
5	SILT, brown, moist, very loose (ML)		4	M	SS	24	26				
6											
7	SILT, brown, very moist, very loose (ML)										
8			3	W	SS	24	32				
9	SILT, brown, moist, very loose to loose (ML)										
10			4	M	SS	24	25				
11											
12											
13			5	M	SS	24	24				
14											
15											
16			8	M	SS	24	22				
17	CLAYEY SAND, a little gravel, brown, stiff (SC)	TILL									
18			9	M	SS	24	16				
19											
20	SANDY LEAN CLAY, a little gravel, brown, firm, lenses of clayey sand and silty sand (CL)		7	M	SS	24	17				
21											
	END OF BORING										

DEPTH: DRILLING METHOD

0-19½' 3.25" HSA

BORING COMPLETED: **8/27/25**

DR: **SG** LG: **SB/JM** Rig: **91C**

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
8/27/25	**2:19**	**21.5**	**19.5**	**19.8**		**Wet**
8/27/25	**2:28**	**21.5**	**19.5**	**19.9**		**Wet**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP P-0045224 MINNWEST BANK LEWISTON BRANCH.GPJ AET+CPT+WELL.GDT 10/10/25

SUBSURFACE BORING LOG

AET No: **P-0045224** Log of Boring No. **B-2 (p. 1 of 1)**

Project: **Minnwest Bank - Lewiston Branch;**

DEPTH IN FEET	Surface Elevation **1228** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	DEN	LL	PL	%-#200
1	FILL, mostly lean clay with sand, a little gravel, trace roots, brown	FILL	4	M	SS	12	15				
2	LEAN CLAY, trace roots, dark brown, firm (CL)	TOPSOIL									
3	LEAN CLAY, brown, firm (CL)	LOESS	5	M	SS	6	25				
4											
5	SILT, brown, moist, very loose (ML)		4	M	SS	12	25				
6											
7	SILT, brown, very moist, very loose (ML)										
8			3	W	SS	24	29				
9	SILT, brown, moist, loose (ML)										
10			5	M	SS	24	25				
11											
12											
13			7	M	SS	24	22				
14											
15			7	M	SS	24	22				
16											
17	CLAYEY SAND, a little gravel, brown, very stiff, lenses of lean clay (SC)	TILL									
18			16	M	SS	24	12				
19	SANDY LEAN CLAY, a little gravel, brown, stiff, lenses of clayey sand and silty sand (CL)										
20			13	M	SS	24	17				
21											
	END OF BORING										

DEPTH: DRILLING METHOD	WATER LEVEL MEASUREMENTS							NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG
0-19½' 3.25" HSA	DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL	
	8/27/25	**4:06**	**21.5**	**19.5**	**21.5**		**Wet**	
	8/27/25	**4:15**	**21.5**	**19.5**	**21.5**		**Wet**	
BORING COMPLETED: **8/27/25**								
DR: **SG** LG: **JM/SB** Rig: **91C**								

AET_CORP P-0045224 MINNWEST BANK LEWISTON BRANCH.GPJ AET+CPT+WELL.GDT 10/10/25

SUBSURFACE BORING LOG

AET No: **P-0045224** Log of Boring No. **B-3 (p. 1 of 1)**

Project: **Minnwest Bank - Lewiston Branch;**

DEPTH IN FEET	Surface Elevation **1230** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	DEN	LL	PL	%-#200
1	FILL, mostly sandy lean clay, a little gravel, trace roots, brown	FILL					15				
	LEAN CLAY, trace roots, dark brown, firm (CL)	TOPSOIL	5	M	SS	21	27				
2	LEAN CLAY, brown, soft (CL)	LOESS									
3			4	M	SS	24	25				
4											
5											
6			4	M	SS	24	27				
7											
	SILT, brown, very moist, very loose (ML)										
8			4	W	SS	24	29				
9											
10											
11			2	W	SS	24	30				
	SILT, brown, moist, very loose to loose (ML)										
12											
13			5	M	SS	24	23				
14											
15											
16			4	M	SS	24	21				
17											
	SANDY LEAN CLAY, a little gravel, brown, stiff (CL)	TILL									
18			10	M	SS	24	23				
19											
	CLAYEY SAND, a little gravel, brown, hard, lenses of silty sand (SC)										
20											
21			30	M	SS	24	15				
	END OF BORING										

DEPTH: DRILLING METHOD **0-19½' 3.25" HSA**

BORING COMPLETED: **8/27/25**

DR: **SG** LG: **SB/JM** Rig: **91C**

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
8/27/25	**3:18**	**21.5**	**19.5**	**21.5**		**Wet**
8/27/25	**3:30**	**21.5**	**19.5**	**21.5**		**21.1**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP P-0045224 MINNWEST BANK LEWISTON BRANCH.GPJ AET+CPT+WELL.GDT 10/10/25

SUBSURFACE BORING LOG

AET No: **P-0045224** Log of Boring No. **B-4 (p. 1 of 1)**

Project: **Minnwest Bank - Lewiston Branch;**

DEPTH IN FEET	Surface Elevation **1229** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	DEN	LL	PL	%-#200
1	FILL, mostly sandy lean clay, a little gravel, trace roots, brown	FILL	7	M	SS	12	18				
3	LEAN CLAY, brown, firm (CL) (possible fill)	LOESS OR FILL	7	M	SS	12	20				
5	SILT, brown, very moist, very loose (ML)	LOESS	3	W	SS	24	27				
7	SILT, brown, moist, loose (ML)		6	M	SS	18	25				
10			7	M	SS	18	22				
13			8	M	SS	18	21				
15	SANDY LEAN CLAY, a little gravel, brown, stiff (CL)	TILL	9	M	SS	18	19				
18	CLAYEY SAND, a little gravel, brown, stiff, lenses of silty sand (SC)		11	M	SS	18	11				
20	SANDY LEAN CLAY, a little gravel, brown, hard, lens of silty sand (CL)		37	M	SS	24	14				
	END OF BORING										

DEPTH: DRILLING METHOD

0-19½' 3.25" HSA

BORING COMPLETED: **8/27/25**

DR: **SG** LG: **SB/JM** Rig: **91C**

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
8/27/25	**1:27**	**21.5**	**19.5**	**21.5**		**21.4**
8/27/25	**1:35**	**21.5**	**19.5**	**21.5**		**21.1**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP P-0045224 MINNWEST BANK LEWISTON BRANCH.GPJ AET+CPT+WELL.GDT 10/10/25

SUBSURFACE BORING LOG

AET No: **P-0045224** Log of Boring No. **B-5 (p. 1 of 1)**

Project: **Minnwest Bank - Lewiston Branch;**

DEPTH IN FEET	Surface Elevation **1226** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	DEN	LL	PL	%-#200
1	FILL, mostly lean clay with sand, a little gravel, trace roots, brown	FILL					14				
	LEAN CLAY, trace organic fines and trace roots, dark brown, firm (CL/OL)	TOPSOIL	5	M	SS	18	26				
2											
3	LEAN CLAY, brown, firm (CL)	LOESS	8	M	SS	24	34				
4							25				
5			6	M	SS	18	28				
6	**END OF BORING**										

DEPTH:	DRILLING METHOD	WATER LEVEL MEASUREMENTS						
		DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
0-4'	**3.25" HSA**	**8/27/25**	**4:40**	**6.0**	**4.0**	**6.0**		**None**
BORING COMPLETED:	**8/27/25**							
DR: **SG**	LG: **SB/JM**	Rig: **91C**						

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP P-0045224 MINNWEST BANK LEWISTON BRANCH.GPJ AET+CPT+WELL.GDT 10/10/25

SUBSURFACE BORING LOG

AET No: **P-0045224** Log of Boring No. **B-6 (p. 1 of 1)**

Project: **Minnwest Bank - Lewiston Branch;**

DEPTH IN FEET	Surface Elevation **1231** MATERIAL DESCRIPTION	GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	FIELD & LABORATORY TESTS WC	DEN	LL	PL	%-#200
	FILL, mostly lean clay, trace roots, brown	FILL									
1	LEAN CLAY, trace roots, brown, firm (CL)	LOESS	7	M	SS	12	21				
2											
3			5	M	SS	24	24				
4	SILT, brown, moist, very loose (ML)										
5			4	M	SS	18	26				
6	**END OF BORING**										

DEPTH:	DRILLING METHOD
0-4'	**3.25" HSA**

WATER LEVEL MEASUREMENTS

DATE	TIME	SAMPLED DEPTH	CASING DEPTH	CAVE-IN DEPTH	DRILLING FLUID LEVEL	WATER LEVEL
8/1/72	**2:47**	**6.0**	**4.0**	**5.9**		**None**

BORING COMPLETED: **8/27/25**

DR: **SG** LG: **SB/JM** Rig: **91C**

NOTE: REFER TO THE ATTACHED SHEETS FOR AN EXPLANATION OF TERMINOLOGY ON THIS LOG

AET_CORP P-0045224 MINNWEST BANK LEWISTON BRANCH.GPJ AET+CPT+WELL.GDT 10/10/25

Appendix B

Geotechnical Report Limitations and Guidelines for Use

Appendix B
Geotechnical Report Limitations and Guidelines for Use
Report No. P-0045224

B.1 REFERENCE

This appendix provides information to help you manage your risks relating to subsurface problems which are caused by construction delays, cost overruns, claims, and disputes. This information was developed and provided by GBA[1], of which, we are a member firm.

B.2 RISK MANAGEMENT INFORMATION

B.2.1 Understand the Geotechnical Engineering Services Provided for this Report

Geotechnical engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical engineering services is typically a geotechnical engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

B.2.2 Geotechnical Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared solely for the client.

Likewise, geotechnical engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. If you are the least bit uncertain about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

1 Geoprofessional Business Association, 15800 Crabbs Branch Way, Suite 300, Rockville, MD 20855 Telephone: 301/565-2733: www.geoprofessional.org, 2019

B.2.3 Read the Full Report
Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. Read and refer to the report in full.

B.2.4 You Need to Inform Your Geotechnical Engineer About Change
Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, always inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. The geotechnical engineer who prepared this report cannot accept responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

B.2.5 Most of the "Findings" Related in This Report Are Professional Opinions
Before construction begins, geotechnical engineers explore a site's subsurface using various sampling and testing procedures. Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed. The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

B.2.6 This Report's Recommendations Are Confirmation-Dependent
The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations only after observing actual subsurface conditions exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.

B.2.7 This Report Could Be Misinterpreted
Other design professionals' misinterpretation of geotechnical engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals' plans and specifications; and
- be available whenever geotechnical engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

B.2.8 Give Constructors a Complete Report and Guidance
Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical engineering report, along with any attachments or appendices, with your contract documents, but be certain to note conspicuously that you've included the material for information purposes only. To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the

report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, only from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and be sure to allow enough time to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

B.2.9 Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled “limitations,” many of these provisions indicate where geotechnical engineers’ responsibilities begin and end, to help others recognize their own responsibilities and risks. Read these provisions closely. Ask questions. Your geotechnical engineer should respond fully and frankly.

B.2.10 Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a “phase-one” or “phase-two” environmental site assessment – differ significantly from those used to perform a geotechnical engineering study. For that reason, a geotechnical engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Unanticipated subsurface environmental problems have led to project failures. If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

B.2.11 Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer’s services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, proper implementation of the geotechnical engineer’s recommendations will not of itself be sufficient to prevent moisture infiltration. Confront the risk of moisture infiltration by including building-envelope or mold specialists on the design team. Geotechnical engineers are not building-envelope or mold specialists.