

CITY OF HAM LAKE

15544 Central Avenue NE
Ham Lake, Minnesota 55304
(763) 434-9555
info@ci.ham-lake.mn.us

CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY AGENDA MONDAY, MAY 18, 2026

1.0 CALL TO ORDER - 6:00 P.M. – Pledge of Allegiance

2.0 PUBLIC COMMENT

3.0 SPECIAL APPEARANCES/PUBLIC HEARINGS

- 3.1 Lt. Anthony Mendoza, Anoka County Sheriff's Office Monthly Report
- 3.2 Andy Grice, BerganKDV – Presentation of the 2025 Audit
- 3.3 Ben Landwehr – 4121 Interlachen Drive NE – request for an ordinance change regarding Shoreland Zoning

4.0 CONSENT AGENDA

These items are considered to be routine and will be enacted in one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which event the item will be removed from the Consent Agenda and considered in normal sequence. (All items listed on the Consent Agenda are recommended for approval.)

- 4.1 Approval of minutes of May 4, 2026 and Workshop minutes of May 4, 2026
- 4.2 Approval of claims
- 4.3 Approval of scheduling a Budget Workshop meeting for Monday, June 15, 2026 at 5:00 p.m.
- 4.4 Approval of an Ordinance rezoning 1016 Bunker Lake Boulevard NE in Section 32
- 4.5 Approval of a Temporary On-Sale Liquor License for the Ham Lake Lions at Lion's Park, 1220 157th Avenue NE, for the Freedom Festival on Saturday, June 27, 2026
- 4.6 Approval of a Resolution scheduling a public hearing to vacate a portion of the drainage and utility easement on Lot 3, Block 3, Hidden Forest East Fourth Addition
- 4.7 Approval of hiring a summer seasonal employee in Public Works
- 4.8 Approval of the First Reading of Ordinances amending Article 11-600, Excavation and Reclamation of the City Code
- 4.9 Approval of advertising for bids for the Crosstown Shopping Center reconstruction project
- 4.10 Approval of Liquor Licenses - July 1, 2026 to June 30, 2027:

On-Sale and Sunday On-Sale

- Acapulco of Ham Lake Inc. dba Acapulco Mexican Restaurant, 18015 Ulysses Street NE, Suite 1000, Ham Lake, MN
- Dan Dahlin Inc. dba Ham Lake Lanes, 16465 Highway 65 NE, Ham Lake, MN
- EAGL Beverages Holdings, LLC dba Majestic Oaks Golf Club, 701 Bunker Lake Boulevard NE, Ham Lake, MN
- Elevage Management Group LLC dba T-Box Bar & Grill, 1431 147th Avenue NE, Ham Lake, MN
- Maxx Bar & Grill Inc. dba Maxx Bar & Grill, 17646 Highway 65 NE, Ham Lake, MN

Off-Sale

- Bidhipur Beverage, Inc. dba Ham Lake Liquors, 17720 Central Avenue NE, Ham Lake, MN
- Broadview Operations LLC, dba 1 Stop Liquor, 16205 Lexington Avenue NE, Ham Lake, MN
- Grape Expectations Inc. dba Tournament Liquor, 1434 147th Avenue NE, Ham Lake, MN
- Rama Corporation dba Network Liquors, 13548 Highway 65 NE, Ham Lake, MN

Wine and 3.2% Malt Liquor

- Mansettis-Ham Lake Inc. dba Mansetti's Pizza & Pasta, 16220 Aberdeen Street NE, Suite C, Ham Lake, MN

3.2% Off-Sale

- Northern Tier Retail LLC dba Speedway #4537, 1442 Constance Boulevard NE, Ham Lake, MN

5.0 PLANNING COMMISSION RECOMMENDATIONS

- 5.1 Rich and Becky Gersdorf requesting Sketch Plan approval for Ham Lake Estates, at 16000 Hastings Street NE (PID: 17-32-23-41-0005) (6 Single Family Residential lots)

6.0 ECONOMIC DEVELOPMENT AUTHORITY – None

7.0 APPEARANCES – None

8.0 CITY ATTORNEY

9.0 CITY ENGINEER

10.0 CITY ADMINISTRATOR

11.0 COUNCIL BUSINESS

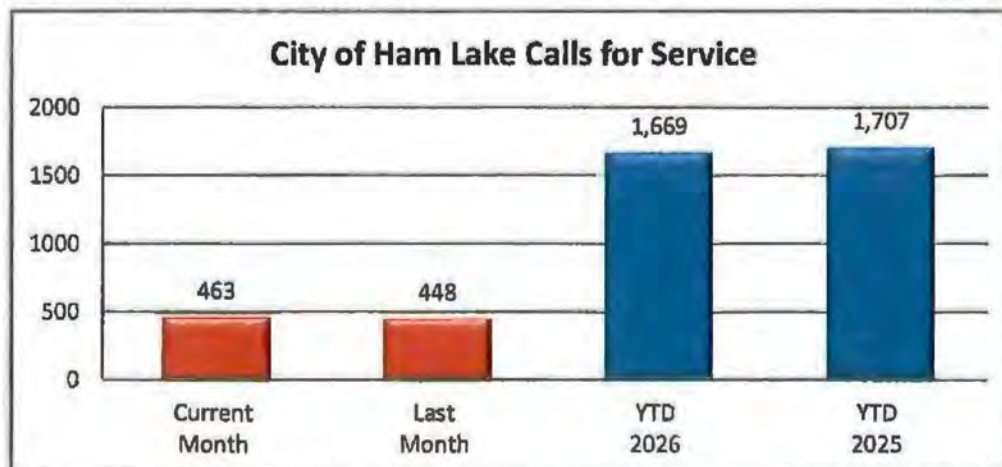
11.1 Committee Reports

11.2 Announcements and future agenda items

PATROL DIVISION

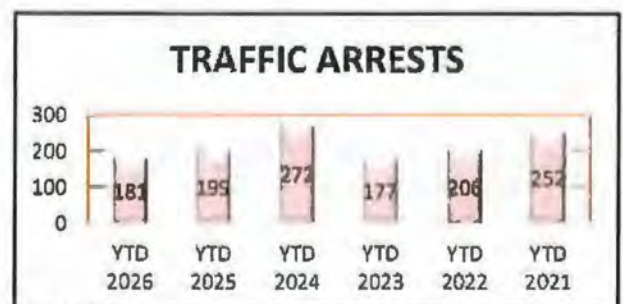
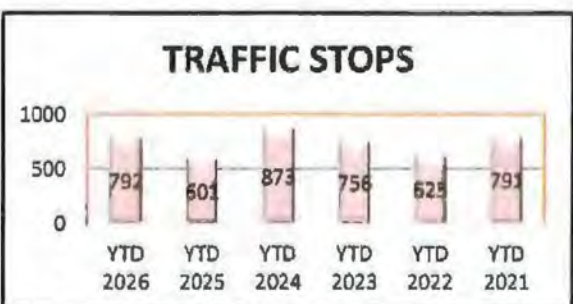
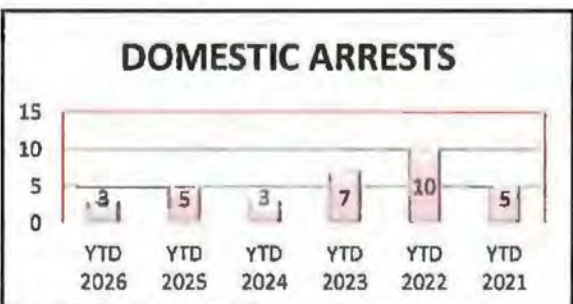
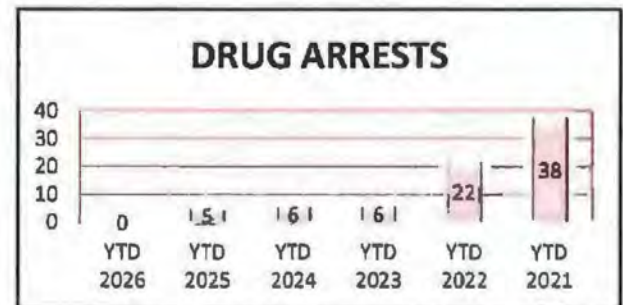
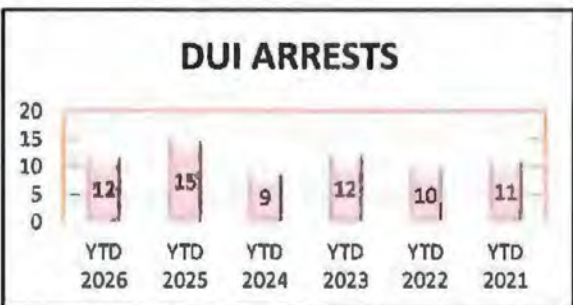
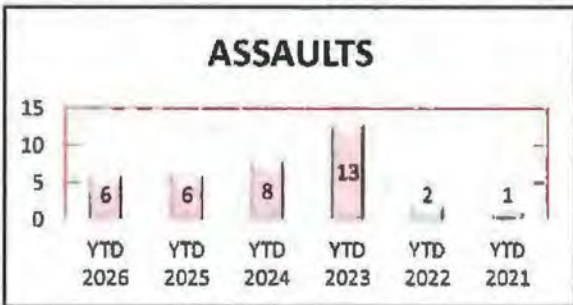
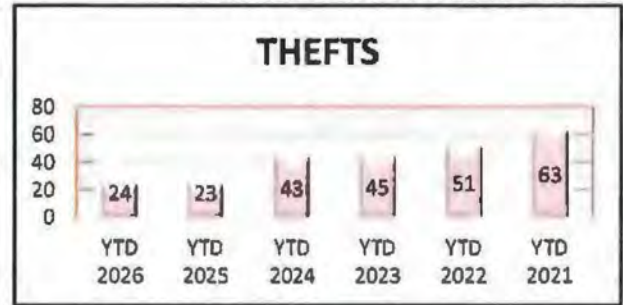
CITY OF HAM LAKE - APRIL 2026

OFFENSE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD 2026	YTD 2025
Call for Service	394	364	448	463									1,669	1,707
Burglaries	0	0	0	0									0	4
Thefts	8	8	4	4									24	23
Crim Sex Conduct	1	0	0	1									2	3
Assault	3	2	1	0									6	6
Dam to Property	1	2	0	2									5	6
Harass Comm	0	0	0	0									0	0
PI Accidents	5	4	4	4									17	16
PD Accidents	23	20	31	20									94	94
Medical	70	54	67	66									257	257
Animal Complaint	18	14	18	33									83	91
Alarms	21	25	32	24									102	133
Felony Arrests	0	2	1	1									4	13
GM Arrests	5	2	3	3									13	18
Misd Arrests	3	3	6	7									19	27
DUI Arrests	1	2	5	4									12	15
Drug Arrests	0	0	0	0									0	5
Domestic Arrests	2	1	0	0									3	5
Warrant Arrests	2	3	2	4									11	9
Traffic Stops	186	195	210	201									792	601
Traffic Arrests	44	43	46	48									181	199



CITY OF HAM LAKE

YEAR TO DATE - APRIL 2021-2026

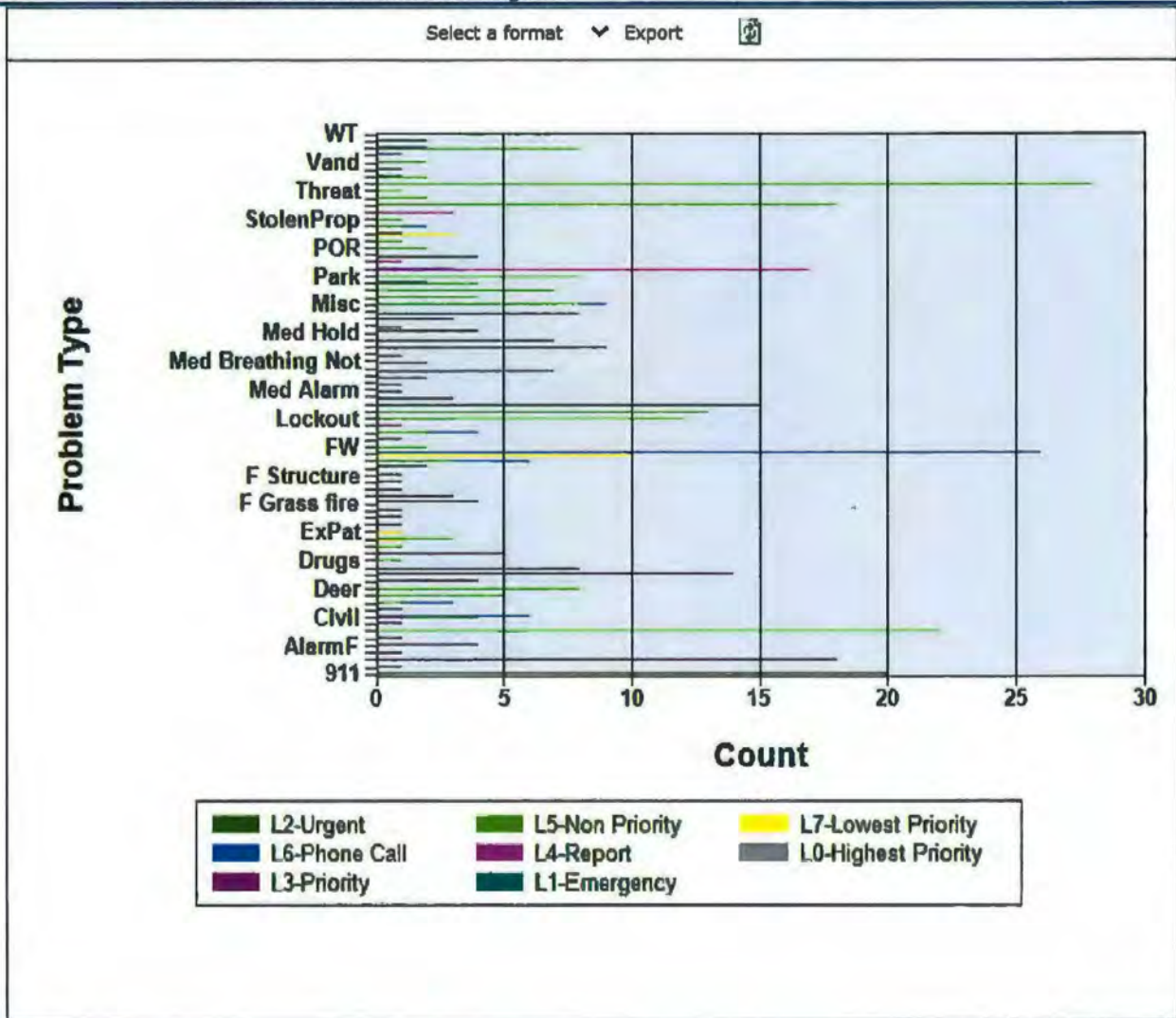


Problem Type Summary

1:27 PM 05/11/2026

Data Source: Data Warehouse

Agency:	LAW ENFORCEMENT
Division:	Ham Lake Law
Day Range:	Date From 4/1/2026 To 4/30/2026
Exclusion:	• Calls canceled before first unit assigned



Priority	Description
0	L0-Highest Priority
1	L1-Emergency
2	L2-Urgent
3	L3-Priority
4	L4-Report
5	L5-Non Priority
6	L6-Phone Call
7	L7-Lowest Priority

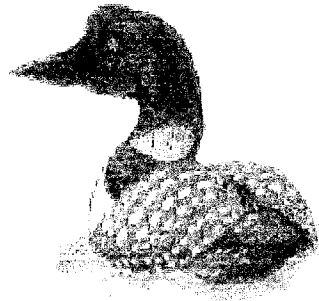
Problem Type	Priority							Total	
	0	1	2	3	4	5	6		7
911			20						20
Abandon									
Abuse							1		1
AbuseP									
AlarmB				18					18

AlarmCO			1					1
AlarmCOIll								
AlarmF			4					4
AlarmFsmoke								
AlarmHoldup								
AlarmV								
AlarmWF		1						1
Animal			1		22	2		25
AnimalResc								
Arson								
Assault								
AssaultP								
Boat Assist								
Bomb								
BombP								
Broadcast								
Burg								
BurgP		1						1
Civil				1	4	6		11
CivilP			1					1
CSC					1	3		4
Debris					5			5
Deer					8			8
Disorderly			4					4
Dom			14			7		21
DomP	8							8
Drugs					1			1
DUI			5					5
Dumping					1			1
Escort					3		1	4
ExpPat							1	1
F Aircraft								
F Assist								
F CleanUp			1					1
F Collapse								
F Dump								
F Elec Smell								
F Expl								
F Gas Odor In			1					1
F Gas Odor Out			1					1
F Grass fire		4						4
F Illegal			3					3
F Misc			1					1
F Mutual Aid								
F Oven								
F Powerlines			1					1
F SmokeIn								
F SmokeOut								
F Structure		1						1
F Train								
F Veh		2						2
F Water Rescue								
Fight								
Flood in								
Flood out								
Fraud					3	6		9
FraudP								
FU						26	10	36
FW					2			2
Gun			1					1
Harass					2	4		6
Info								
Lift Assist				1				1
Liq								
Lockout					12			12
LockoutP								

NA					13			13
MASS								
Med -	15							15
Med Abdominal Pain	3							3
Med Alarm	1							1
Med Allergic	1							1
Med Assault								
Med Bleed	2							2
Med Breathing Diff	7							7
Med Breathing Not	2							2
Med Choking	1							1
Med Drown								
Med Electro								
Med Fall	9							9
Med Heart	7							7
Med Hold		4						4
Med Info								
Med OB	1							1
Med Priority								
Med Seizure								
Med Stab-Gunshot								
Med Stroke	3							3
Med Uncon	8							8
Medex								
Misc					8	9		17
MiscO					4	3		7
Noise					7			7
NoTag								
Ord					4	2		6
Other								
Park					8			8
PD				17		3		20
Person				1		1		2
PI	4							4
POR					2			2
Property					1			1
PW								
REPO-TOW						1	3	4
RJ					1	2		3
RoadClosure								
Robbery								
RobberyP								
Shots								
Slumper								
StolenProp					1			1
Suicide				3				3
SuicideP								
Susp					18	1		19
SuspP								
Theft					2	1		3
TheftP								
Threat					1			1
ThreatP								
Traf					28			28
Tres					2	1		3
UNK		1						1
Unsecure								
Vand					2	1		3
VandP								
VehTheft						1		1
VehTheftP								
Weapon								
Weather								
Welfare					8	2		10
WelfareP				2				2
WT				3				3

Total

22	50	34	62	23	174	83	15	463
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**City of Ham Lake
Anoka County, Minnesota**

**Reports on Compliance with
Government Auditing Standards
and Legal Compliance**

December 31, 2025

**City of Ham Lake
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**Report on Internal Control over Financial Reporting
and on Compliance and Other Matters Based on an Audit of
Financial Statements Performed in Accordance with
*Government Auditing Standards***

Independent Auditor's Report

Honorable Mayor and Members
of the City Council
City of Ham Lake
Ham Lake, Minnesota

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States (*Government Auditing Standards*), the financial statements of the governmental activities, each major fund, and the aggregate remaining fund information of the City of Ham Lake, Minnesota as of and for the year ended December 31, 2025, and the related notes to financial statements, which collectively comprise the City's basic financial statements, and have issued our report thereon dated April 30, 2026.

Report on Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the City's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the City's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. We did identify a certain deficiency in internal control, described in the accompanying Schedule of Findings and Responses on Internal Control that we consider to be a significant deficiency, Audit Finding 2025-001.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the City's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

City's Response to the Finding

Government Auditing Standards requires the auditor to perform limited procedures on the City's response to the findings identified in our audit are described in the accompanying Schedule of Findings and Responses on Internal Control. The City's response was not subject to the other auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the response.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the result of that testing, and not to provide an opinion on the effectiveness of the City's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the City's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

BerganKDV, Ltd.

Minneapolis, Minnesota
April 30, 2026



Minnesota Legal Compliance

Independent Auditor's Report

Honorable Mayor and Members
of the City Council
City of Ham Lake
Ham Lake, Minnesota

We have audited, in accordance with auditing standards generally accepted in the United States of America, and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the governmental activities, each major fund, and the aggregate remaining fund information of the City of Ham Lake, Minnesota as of and for the year ended December 31, 2025, and the related notes to financial statements, which collectively comprise the City's basic financial statements, and have issued our report thereon dated April 30, 2026.

In connection with our audit, nothing came to our attention that caused us to believe that the City failed to comply with the provisions of the contracting - bid laws, depositories of public funds and public investments, conflicts of interest, public indebtedness, claims and disbursements, miscellaneous provisions, and tax increment financing sections of the *Minnesota Legal Compliance Audit Guide for Cities*, promulgated by the State Auditor pursuant to *Minnesota Statute* § 6.65, insofar as they relate to accounting matters. However, our audit was not directed primarily toward obtaining knowledge of such noncompliance. Accordingly, had we performed additional procedures, other matters may have come to our attention regarding the City's noncompliance with the above referenced provisions, insofar as they relate to accounting matters.

The purpose of this report is solely to describe the scope of our testing of compliance and the results of that testing, and not to provide an opinion on compliance. Accordingly, this communication is not suitable for any other purpose.

BerganKDV, Ltd.

Minneapolis, Minnesota
April 30, 2026

**City of Ham Lake
Schedule of Findings and Responses on
Internal Control**

CURRENT AND PRIOR YEAR INTERNAL CONTROL FINDING:

Significant Deficiency:

Audit Finding 2025-001 - Lack of Segregation of Accounting Duties

Internal control that supports the City's ability to initiate record, process and report financial data consistent with the assertions of management in the financial statements requires adequate segregation of accounting duties. The City has a lack of segregation of accounting duties due to a limited number of office employees. The lack of adequate segregation of accounting duties could adversely affect the City's ability to initiate, record, process, and report financial data consistent with the assertions of management in the financial statements. Adequate segregation of accounting duties is in place when the following four areas of a transaction have been separated: authorization, custody, recording, and reconciliation.

City's Response:

The City is aware of the limited segregation of duties as a result of our limited number of staffing. The City is committed to an environment with strong internal controls and is constantly evaluating the system and implementation of compensating controls when available.

City of Ham Lake, MN

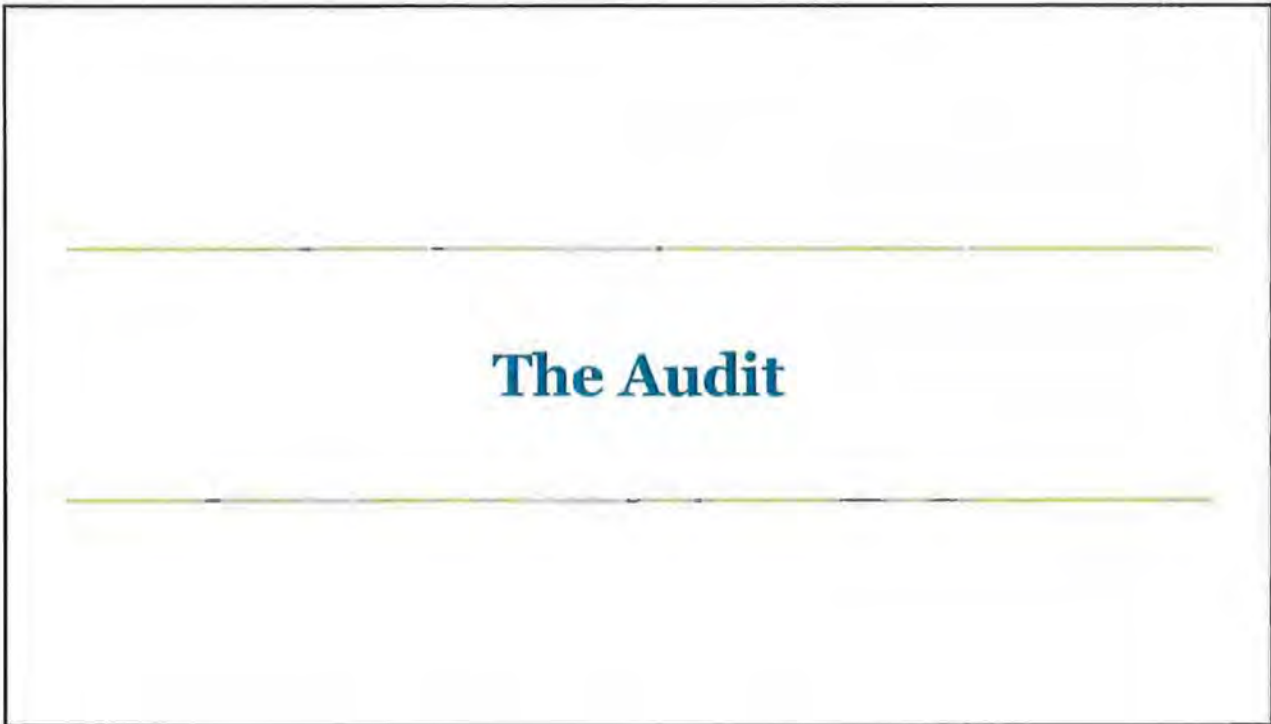
Audit Presentation



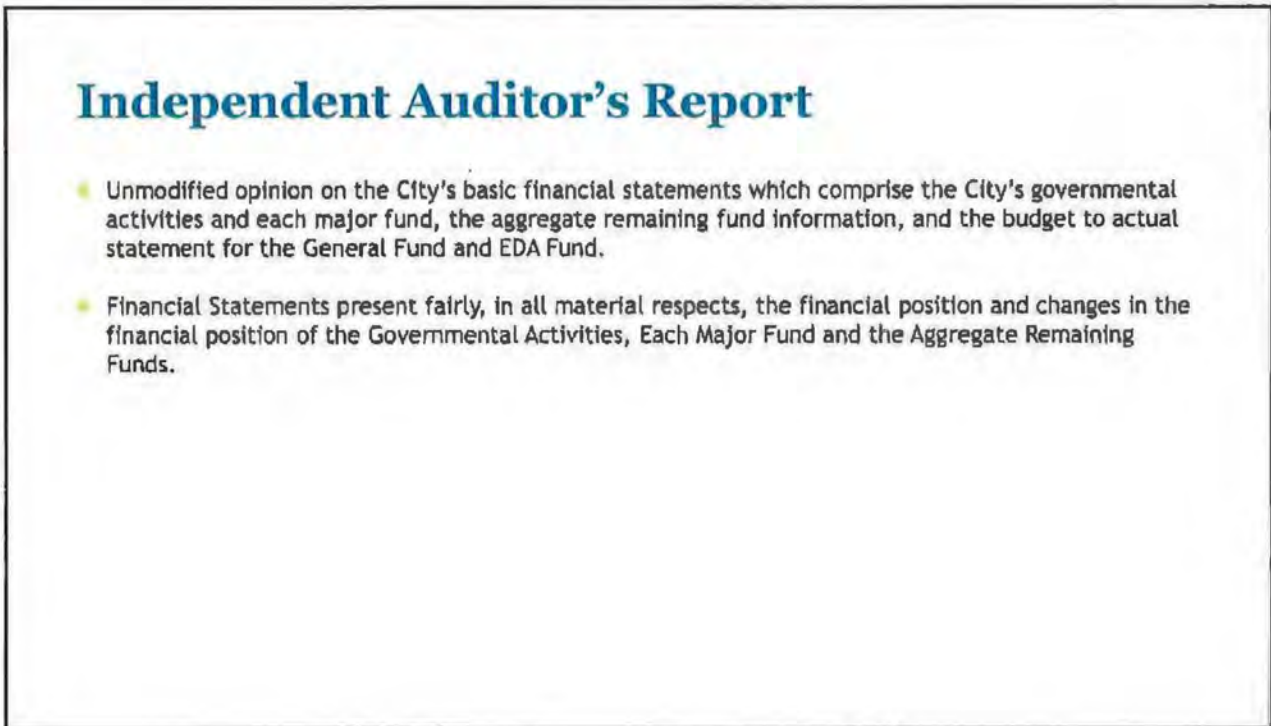
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The Audit

2



3



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Audit Communications

- Report in Accordance with *Government Auditing Standards*
 - Internal Control Findings
 - ◆ Lack of Segregation of Accounting Duties

- Report on Minnesota Legal Compliance
 - No Findings Reported

- Communications Letter
 - Required Communication, Financial Trends, and Emerging Issues

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Financial Communications

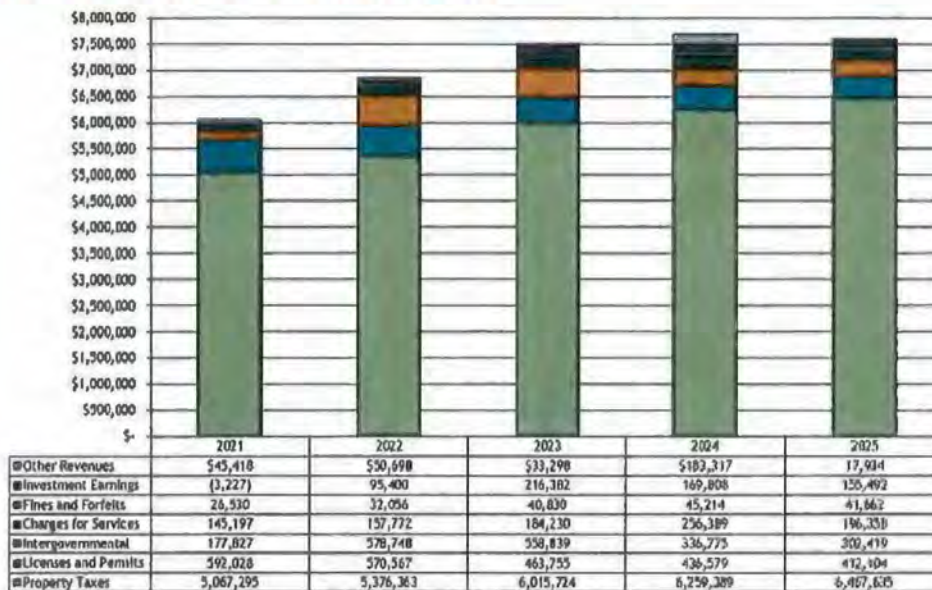
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General Fund Budget and Actual

	Original and Final Budget	Actual amounts	Variance with Final Budget Over/Under
Revenue			
Property taxes	\$ 6,474,665	\$ 6,467,635	\$ (7,030)
Licenses and permits	480,000	472,104	(7,896)
Intergovernmental	216,580	302,419	85,839
Charges for services	218,099	196,358	(21,741)
Fines and forfeitures	21,500	41,662	20,162
Investment income	10,000	195,492	185,492
Other revenues	22,000	17,904	(4,096)
Total revenues	7,492,744	7,963,604	470,860
Expenditures			
Current			
General government	1,276,237	1,307,862	(31,635)
Public safety	2,825,595	2,685,324	140,271
Public works	1,237,071	1,014,485	222,586
Park and recreation	472,003	284,570	187,433
Capital Outlay			
General government	70,000	5,730	(64,270)
Public safety	47,000	27,183	(19,817)
Public works	25,000	4,608	(20,392)
Park and recreation	500	1,033	(533)
Total expenditures	5,875,516	5,290,825	584,691
Excess of revenues over (under) expenditures	1,617,228	2,672,779	1,055,551
Other Financing Sources (Uses)			
Transfers in	2,000	2,000	-
Transfers out	(1,800,000)	(1,801,731)	171,731
Total other financing sources (uses)	(1,798,000)	(1,799,731)	1,731
Net change in fund balance	\$ (186,772)	\$ 503,048	\$ 689,820

7

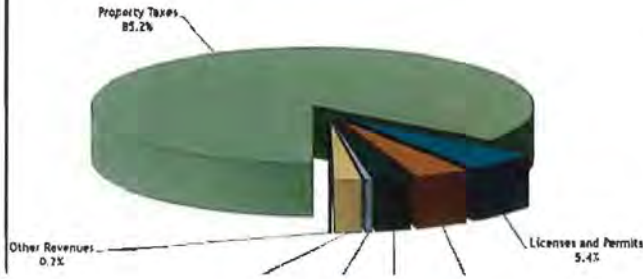
General Fund Revenues



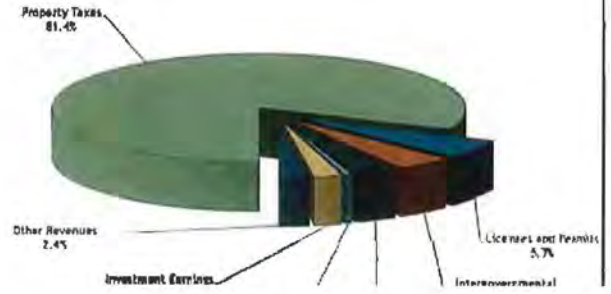
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General Fund Revenues

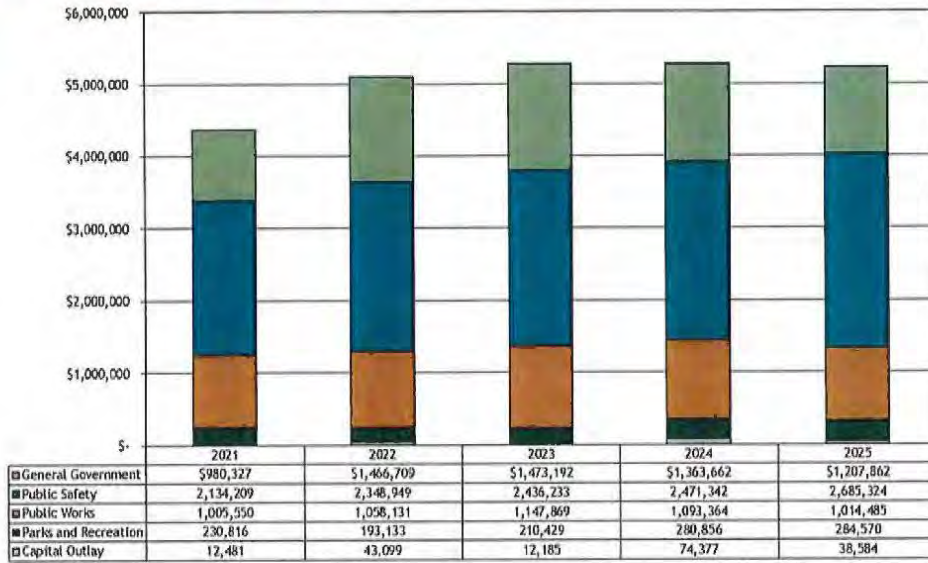
2025 General Fund Revenues



2024 General Fund Revenues

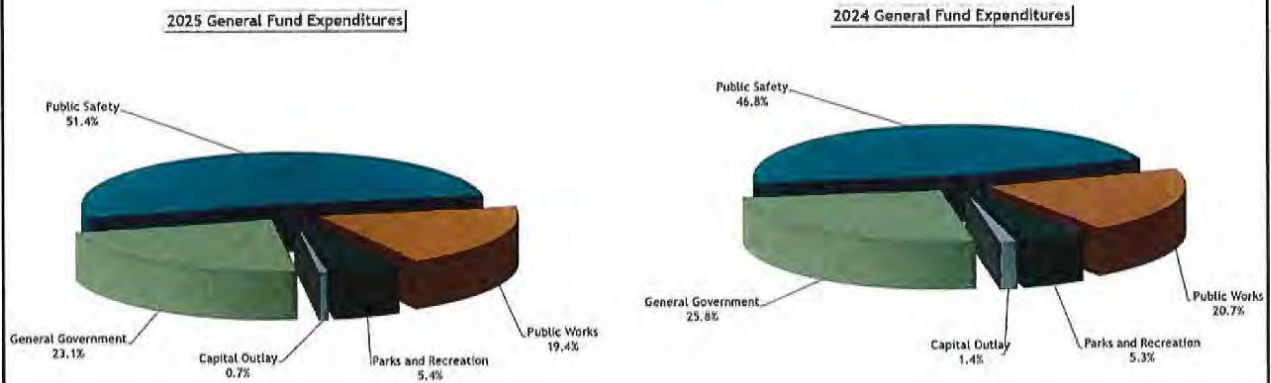


General Fund Expenditures



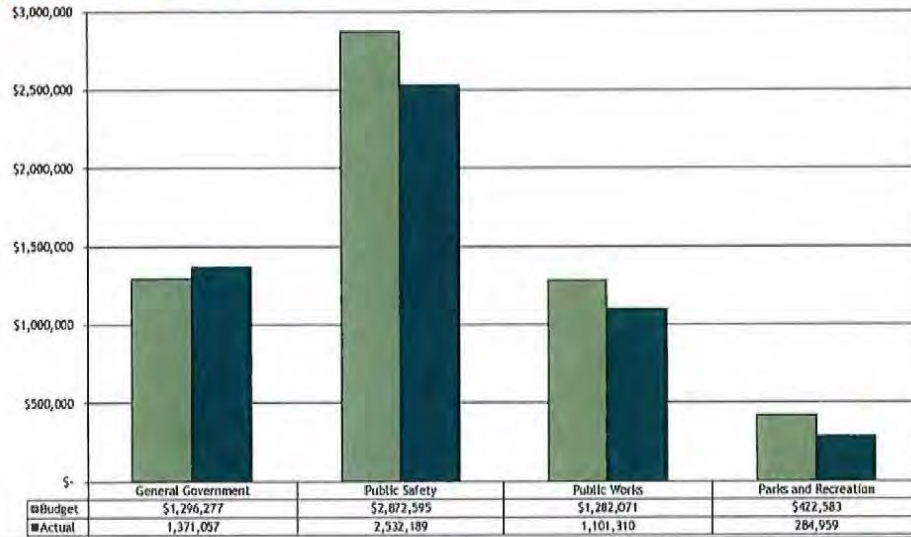
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General Fund Expenditures



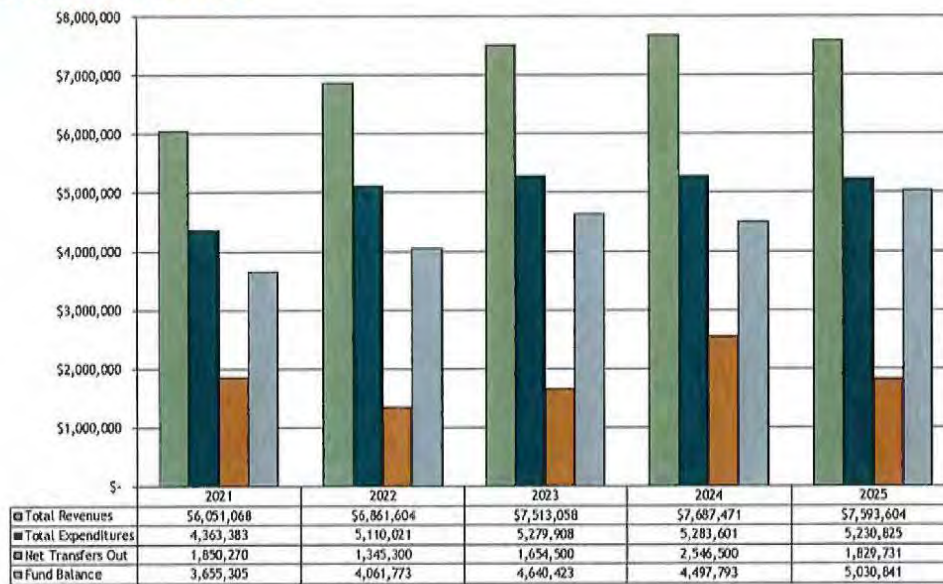
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General Fund Expenditures - Budget and Actual

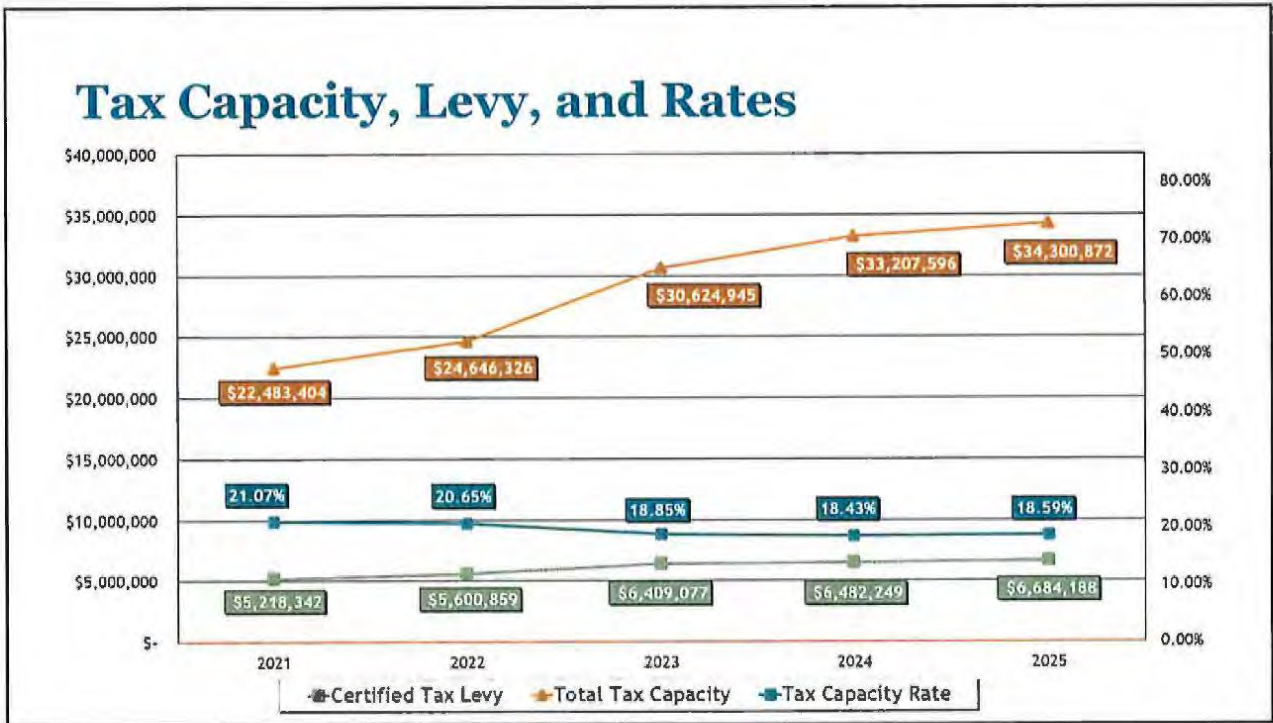


13

General Fund



14



15

Auditor

16



A business card for Andrew Grice. On the left is a circular portrait of a man with glasses, wearing a dark suit jacket over a white shirt. The background of the card is a solid blue color. To the right of the portrait, the name "Andrew Grice" is written in a large, white, serif font. Below the name, the text "AUDIT PARTNER", "952-563-6862", and "ANDY.GRICE@CREATIVEPLANNING.COM" is written in a smaller, white, sans-serif font.

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Thank You

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This commentary is provided for general information purposes only, should not be construed as investment, tax or legal advice, and does not constitute an attorney/client relationship. Past performance of any market results is no assurance of future performance. The information contained herein has been obtained from sources deemed reliable but is not guaranteed.



City of Ham Lake
Communications Letter
December 31, 2025

**City of Ham Lake
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Report on Matters Identified as a Result of the Audit of the Basic Financial Statements

Honorable Mayor and Members
of the City Council and Management
City of Ham Lake
Ham Lake, Minnesota

In planning and performing our audit of the basic financial statements of the governmental activities, each major fund, and the aggregate remaining fund information of the City of Ham Lake, Minnesota, as of and for the year ended December 31, 2025, in accordance with auditing standards generally accepted in the United States of America, issued by the Comptroller General of the United States, we considered the City's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control over financial reporting.

Our consideration of internal control was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and, therefore, material weaknesses or significant deficiencies may exist that have not been identified. In addition, because of inherent limitations in internal control, including the possibility of management override of controls, misstatements due to error, or fraud may occur and not be detected by such controls.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of the City's basic financial statements will not be prevented, or detected and corrected, on a timely basis. A reasonable possibility exists when the likelihood of an event occurring is either reasonably possible or probable as defined as follows:

- *Reasonably possible.* The chance of the future event or events occurring is more than remote but less than likely.
- *Probable.* The future event or events are likely to occur.

We did not identify any deficiencies in internal control that we consider to be material weaknesses.

A significant deficiency is a deficiency, or a combination of deficiencies, in internal control over financial reporting that is less severe than a material weakness, yet important enough to merit attention by those charged with governance. The significant deficiency identified is stated within this letter.

The accompanying memorandum also includes financial analysis provided as a basis for discussion. The matters discussed herein were considered by us during our audit and they do not modify the opinion expressed in our Independent Auditor's Report dated April 30, 2026, on such statements.

The purpose of this communication, which is an integral part of our audit, is to describe for the Members of the City Council and management and other within the City and state oversight agencies the scope of our testing of internal control and the results of that testing. Accordingly, this communication is not intended to be and should not be used for any other purpose.

BerganKDV, Ltd.

Minneapolis, Minnesota
April 30, 2026

**City of Ham Lake
Significant Deficiency**

Lack of Segregation of Accounting Duties

The City has a lack of segregation of accounting duties due to a limited number of office employees. The lack of adequate segregation of accounting duties could adversely affect the City's ability to initiate, record, process, and report financial data consistent with the assertions of management in the financial statements. Adequate segregation of accounting duties is in place when the following four areas of a transaction have been separated: authorization, custody, recording, and reconciliation. Examples of functions within the City that demonstrate this lack of segregation of accounting duties include, but are not limited to, the following:

Cash Receipts

As a result of the limited number of staff in the investments and cash receipts cycle, the Finance Director has the ability to post receipts to the general ledger, reconcile cash, and make journal entries. Also, an administrative assistant receipts payments made in person, reconciles the cash drawer at the end of the work day, and prepares the bank deposit.

Cash Disbursements

The Finance Director has duties that would be listed under authorization, custody, record keeping, and reconciliation.

Management and Members of the City Council are aware of this condition and have taken certain steps to compensate for the lack of segregation but due to the number of staff needed to properly segregate all of the accounting duties, the costs of obtaining desirable segregation of accounting duties can often exceed benefits which could be derived. However, management and the Members of the City Council must remain aware of this situation and should continually monitor the accounting system, including changes that occur.

We recommend segregation or independent review be implemented whenever practical and cost effective.

City of Ham Lake Required Communication

We have audited the basic financial statements of the governmental activities, each major fund, and the aggregate remaining fund information of the City as of and for the year ended December 31, 2025. Professional standards require that we advise you of the following matters related to our audit.

Our Responsibility in Relation to the Financial Statement Audit

As communicated in our engagement letter, our responsibility, as described by professional standards, is to form and express opinions about whether the basic financial statements prepared by management with your oversight are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America. Our audit of the basic financial statements does not relieve you or management of its respective responsibilities.

Our responsibility, as prescribed by professional standards, is to plan and perform our audit to obtain reasonable, rather than absolute, assurance about whether the basic financial statements are free of material misstatement. An audit of the basic financial statements includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control over financial reporting. Accordingly, as part of our audit, we considered the internal control of the City solely for the purpose of determining our audit procedures and not to provide any assurance concerning such internal control.

We are also responsible for communicating significant matters related to the audit that are, in our professional judgement, relevant to your responsibilities in overseeing the financial reporting process. However, we are not required to design procedures for the purpose of identifying other matters to communicate to you.

Generally accepted accounting principles provide for certain Required Supplementary Information (RSI) to supplement the basic financial statements. Our responsibility with respect to the RSI, which supplements the basic financial statements, is to apply certain limited procedures in accordance with generally accepted auditing standards. However, the RSI was not audited and, because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance, we do not express an opinion or provide any assurance on the RSI.

Our responsibility for the supplementary information accompanying the basic financial statements, as described by professional standards, is to evaluate the presentation of the supplementary information in relation to the basic financial statements as a whole and to report on whether the supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Our responsibility with respect to the other information in documents containing the audited basic financial statements and auditor's report does not extend beyond the basic financial information identified in the report. We have no responsibility for determining whether this other information is properly stated. This other information was not audited, and we do not express an opinion or provide any assurance on it.

City of Ham Lake Required Communication

Our Responsibility in Relation to *Government Auditing Standards*

As communicated in our engagement letter, part of obtaining reasonable assurance about whether the basic financial statements are free of material misstatement, we performed tests of the City's compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of basic financial statement amounts. However, the objective of our tests was not to provide an opinion on compliance with such provisions.

Planned Scope and Timing of the Audit

We conducted our audit consistent with the planned scope and timing we previously communicated to you.

Compliance with All Ethics Requirements Regarding Independence

The engagement team, others in our firm, as appropriate, our firm, and our network firms have complied with all relevant ethical requirements regarding independence.

Significant Risks

We addressed the following significant risks of material misstatement identified in our planning procedures:

- Risk of Management Override of Internal Control
 - Management override of internal control is considered a risk in substantially all engagements as management may be incentivized to produce better results.
- Risk of Misappropriation of Assets Related to Segregation of Accounting Duties
 - If duties cannot be appropriately segregated within the accounting and finance department, there is a risk of unauthorized disbursements being made from the entity. In addition, generally this results in less review taking place as transactions are recorded in the financial statements.
- Risk of Improper Revenue Recognition
 - Revenue recognition is considered a fraud risk on substantially all engagements as it is generally the largest line item impacting an entity's operations.
- Pension Valuation
 - Net pension liability, deferred outflows of resources related to pensions, and deferred inflows related to pensions are generally material to the financial statements and involve significant estimates.

Qualitative Aspects of the City's Significant Accounting Practices

Significant Accounting Policies

Management has the responsibility to select and use appropriate accounting policies. A summary of the significant accounting policies adopted by the City is included in the notes to the basic financial statements. There have been no initial selection of accounting policies and no changes to significant accounting policies or their application during 2025. No matters have come to our attention that would require us, under professional standards, to inform you about (1) the methods used to account for significant unusual transactions and (2) the effect of significant accounting policies in controversial or emerging areas for which there is a lack of authoritative guidance or consensus.

**City of Ham Lake
Required Communication**

Qualitative Aspects of the City's Significant Accounting Practices (Continued)

Significant Accounting Estimates and Related Disclosures

Accounting estimates and related disclosures are an integral part of the basic financial statements prepared by management and are based on management's current judgements. Those judgements are normally based on knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the basic financial statements and because of the possibility that future events affecting them may differ markedly from management's current judgements. The most sensitive estimates affecting the basic financial statements relate to:

Net Pension Liability, Deferred Outflows of Resources Relating to Pensions, and Deferred Inflows of Resources Relating to Pensions - These balances are based on an allocation by the pension plans using estimates based on contributions.

We evaluated the key factors and assumptions used to develop the accounting estimates and determined that they are reasonable in relation to the basic financial statements taken as a whole and in relation to the applicable opinion units.

Financial Statement Disclosures

Certain basic financial statement disclosures involve significant judgment and are particularly sensitive because of their significance to financial statement users. The basic financial statement disclosures are neutral, consistent, and clear.

Significant Difficulties Encountered during the Audit

We encountered no significant difficulties in dealing with management relating to the performance of the audit.

Uncorrected and Corrected Misstatements

For the purposes of this communication, professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that we believe are trivial, and communicate them to the appropriate level of management. Further, professional standards require us to also communicate the effects of uncorrected misstatements related to prior periods on the relevant classes of transactions, account balances or disclosures, and the basic financial statements taken as a whole and each applicable opinion unit.

Management did not identify, and we did not notify them of any uncorrected financial statement misstatements.

In addition, professional standards require us to communicate to you all material, corrected misstatements that were brought to the attention of management as a result of our audit procedures. None of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to the basic financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, professional standards define a disagreement with management as a matter, whether or not resolved to our satisfaction, concerning a financial accounting, reporting, or auditing matter, which could be significant to the City's basic financial statements or the auditor's report. No such disagreements arose during the course of our audit.

City of Ham Lake Required Communication

Representations Requested from Management

We have requested certain written representations from management, which are included in the management representation letter.

Management's Consultations with Other Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters. Management has informed us that, and to our knowledge, there were no consultations with other accountants regarding auditing and accounting matters.

Other Significant Matters, Findings, or Issues

In the normal course of our professional association with the City, we generally discuss a variety of matters, including the application of accounting principles and auditing standards, significant events or transactions that occurred during the year, operating and regulatory conditions affecting the City, and operational plans and strategies that may affect the risks of material misstatement. None of the matters discussed resulted in a condition to our retention as the City's auditor.

Other Information Included in Annual Reports

Pursuant to professional standards, our responsibility as auditors for other information, whether financial or nonfinancial, included in the City's annual reports, does not extend beyond the information identified in the audit report, and we are not required to perform any procedures to corroborate such other information.

We applied certain limited procedures to the RSI that supplements the basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the RSI and do not express an opinion or provide any assurance on the RSI.

With respect to the supplementary information accompanying the financial statements, we made certain inquiries of management and evaluated the form, content and methods of preparing the information to determine that the information complies with accounting principles generally accepted in the United States of America, the method of preparing it has not changed from the prior period, and the information is appropriate and complete in relation to our audit of the basic financial statements. We compared and reconciled the supplementary information to the underlying accounting records used to prepare the basic financial statements or to the basic financial statements themselves.

Our responsibility also includes communicating to you any information which we believe is a material misstatement of fact. Nothing came to our attention that caused us to believe that such information, or its manner of presentation, is materially inconsistent with the information, or manner of its presentation, appearing in the basic financial statements.

City of Ham Lake Financial Analysis

The following pages provide graphic representation of select data pertaining to the financial position and operations of the City for the past five years. Our analysis of each graph is presented to provide a basis for discussion of past performance and how implementing certain changes may enhance future performance. We suggest you view each graph and document if our analysis is consistent with yours. A subsequent discussion of this information should be useful for planning purposes.

General Fund Budget and Actual

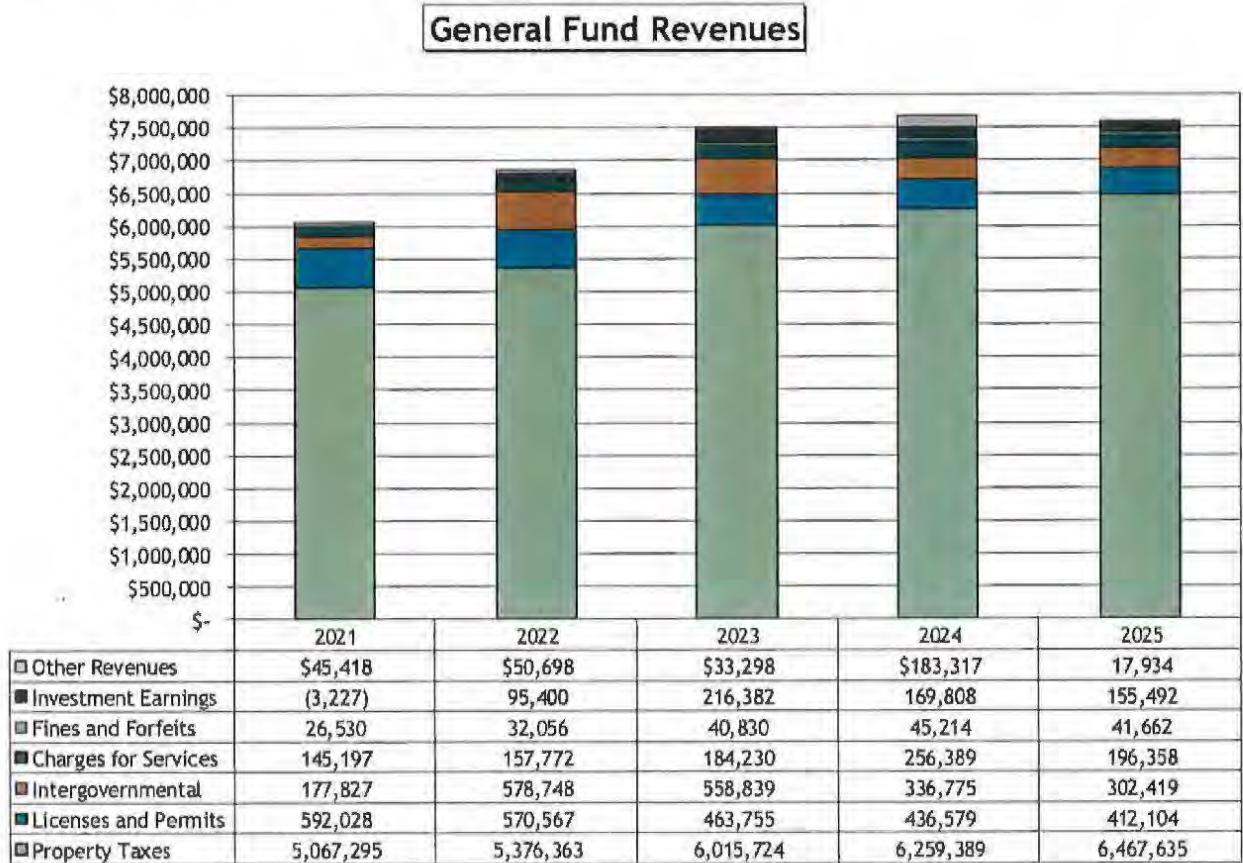
	Original and Final Budget	Actual Amounts	Variance with Final Budget - Over (Under)
Revenues			
Property taxes	\$ 6,474,695	\$ 6,467,635	\$ (7,060)
Licenses and permits	480,000	412,104	(67,896)
Intergovernmental	216,500	302,419	85,919
Charges for services	218,099	196,358	(21,741)
Fines and forfeitures	31,500	41,662	10,162
Investment income	50,000	155,492	105,492
Other revenues	22,000	17,934	(4,066)
Total revenues	7,492,794	7,593,604	100,810
Expenditures			
Current			
General government	1,276,277	1,207,862	(68,415)
Public safety	2,825,595	2,685,324	(140,271)
Public works	1,257,071	1,014,485	(242,586)
Park and recreation	422,083	284,570	(137,513)
Capital outlay			
General government	20,000	5,730	(14,270)
Public safety	47,000	27,183	(19,817)
Public works	25,000	4,638	(20,362)
Park and recreation	500	1,033	533
Total expenditures	5,873,526	5,230,825	(642,701)
Excess of revenues over (under) expenditures	1,619,268	2,362,779	743,511
Other Financing Sources (Uses)			
Transfers in	2,000	2,000	-
Transfers out	(1,808,000)	(1,831,731)	(23,731)
Total other financing sources (uses)	(1,806,000)	(1,829,731)	(23,731)
Net change in fund balance	\$ (186,732)	\$ 533,048	\$ 719,780

For the year ended December 31, 2025, City Council adopted a General Fund budget that provided for approximately \$7.5 million in total revenues and \$5.9 million in total expenditures for a surplus of \$1.6 million. After factoring in transfers to and from other funds, the plan for the General Fund was a net decrease in fund balance of \$186,732. Actual amounts resulted in an increase in fund balance of \$533,048. Budget to actual results are discussed further in the following pages.

City of Ham Lake Financial Analysis

General Fund Revenues

The chart below shows the City's revenues by source for the last five years.



In total, revenues decreased \$93,867, or 1.2%, from 2024 to 2025.

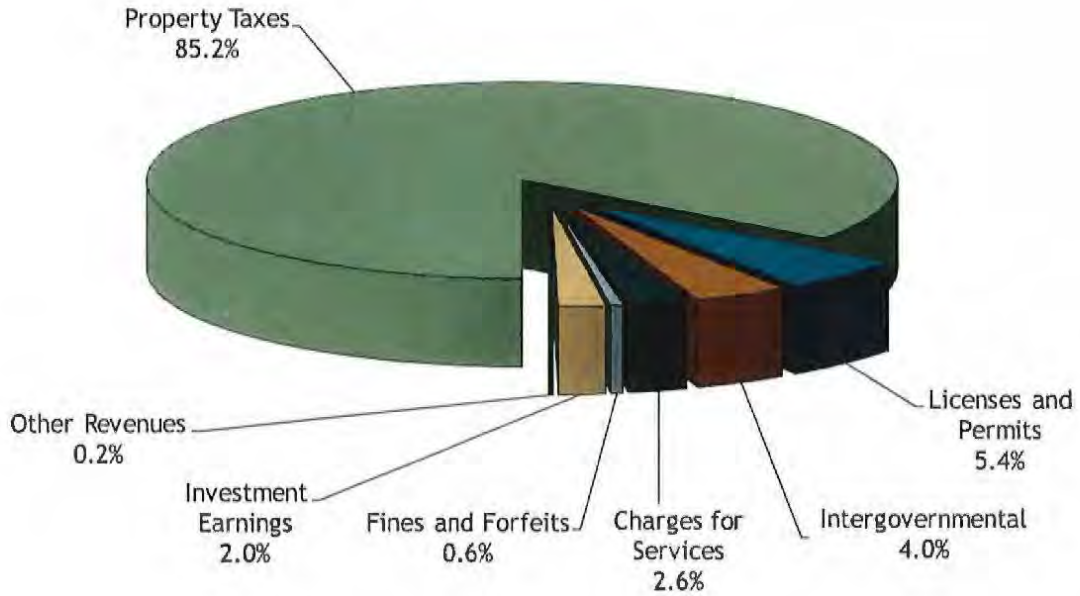
Property taxes reported the only increase from 2024, increasing \$208,246 as a result of an increase in levy. The largest decrease was in the other revenues category of \$165,383 primarily related to a reimbursement received in 2024 from HRA funds held at the county for 2024 compensation plan expenditures. Charges for services decreased \$60,031 due to greater revenue related to conduit debt issuances collected in 2024. Other revenue categories were relatively consistent compared to the prior year.

City of Ham Lake Financial Analysis

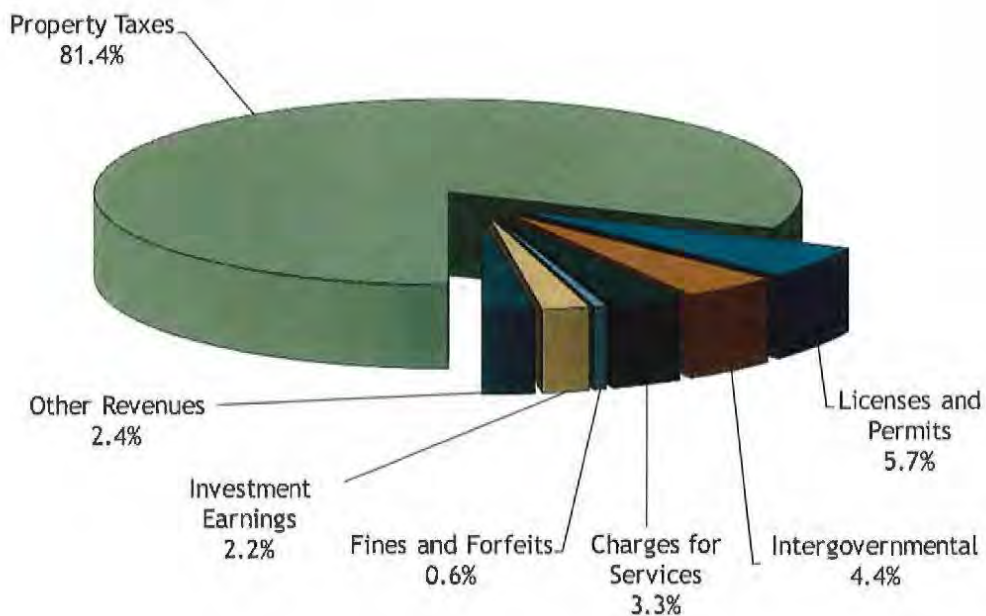
General Fund Revenues (Continued)

Allocations of the City's revenues by source for the past two years are displayed below.

2025 General Fund Revenues



2024 General Fund Revenues

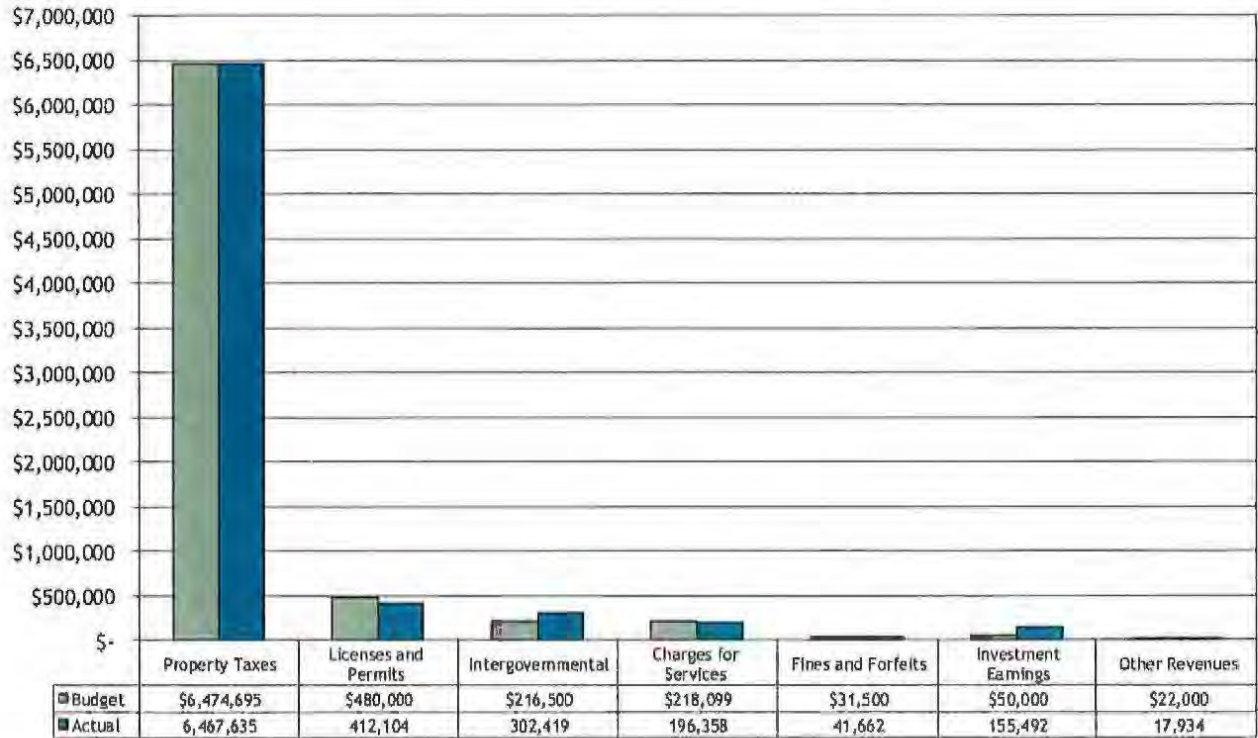


**City of Ham Lake
Financial Analysis**

General Fund Revenues (Continued)

The graph below presents a comparison of final budget and actual results for General Fund revenues.

**2025 General Fund Revenues
Budget and Actual**



Total General Fund revenue exceeded the final revised budget by \$100,810 or 1.3%.

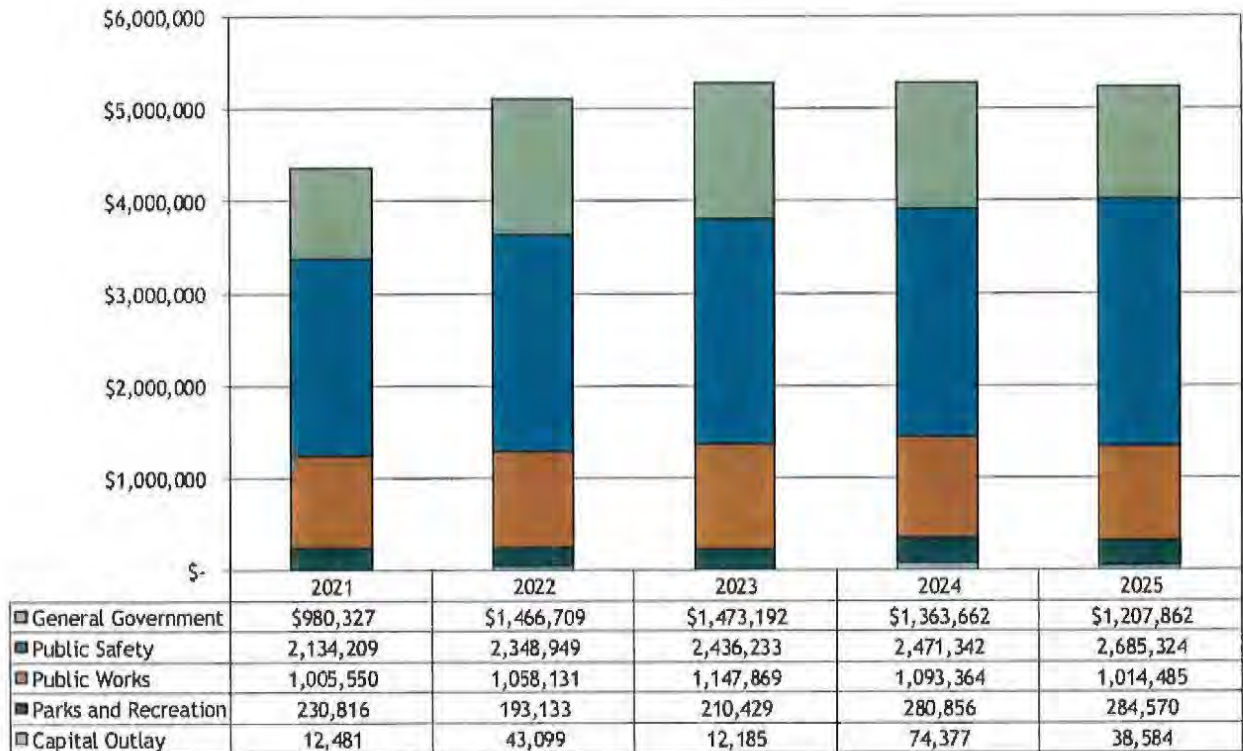
The greatest variance was in the investment income category, which was \$105,492 over budget as a result of conservative budgeting for investment income. Intergovernmental revenue was \$85,919 over budget due to additional MSA funding and greater state fire aid than anticipated. Licenses and permits were \$67,896 under budget with less building permit activity than anticipated. All other categories were fairly consistent with budgeted amounts.

City of Ham Lake Financial Analysis

General Fund Expenditures

The chart below shows the City's expenditures by function for the last five years.

General Fund Expenditures



Overall, expenditures decreased \$52,776, or 1.0%, from 2024 amounts.

The most significant increase in expenditures was in the public safety category, which increased by \$213,982 due in part to greater salaries and benefits with an increase in the Anoka City Sheriff's contract. General government decreased \$155,800 due in part to a decrease in engineering fees along with the timing of when election years occur. Public works expenditures decreased \$78,879 due to a decrease in personnel costs along with decreased supply and maintenance needs. The remaining functions were consistent with prior year amounts.

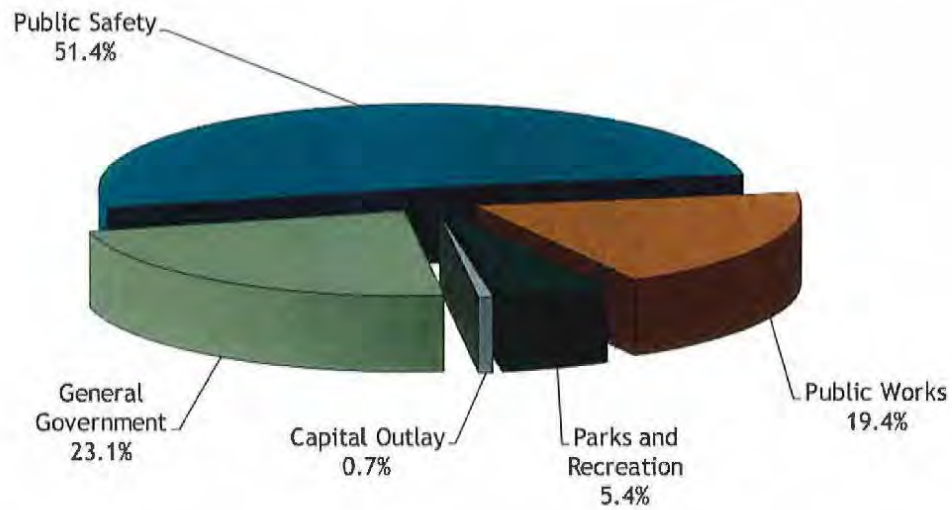
For the past five years, the City has had a consistent approach to allocating spending across City departments and functions. Traditionally, the largest category of the City's expenditures has been public safety for police, fire, and building inspection services.

City of Ham Lake Financial Analysis

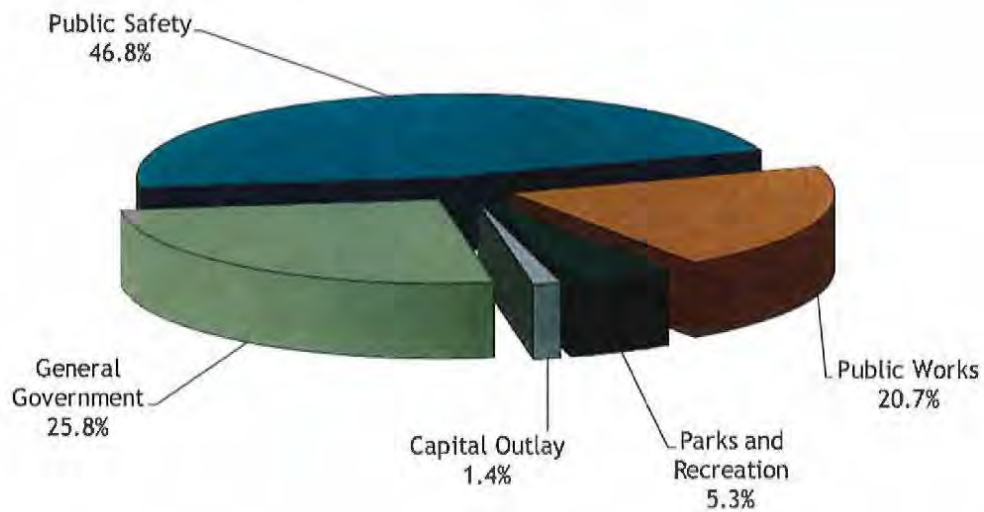
General Fund Expenditures (Continued)

Allocations of the City's General Fund expenditures by function for the past two years are displayed below.

2025 General Fund Expenditures



2024 General Fund Expenditures

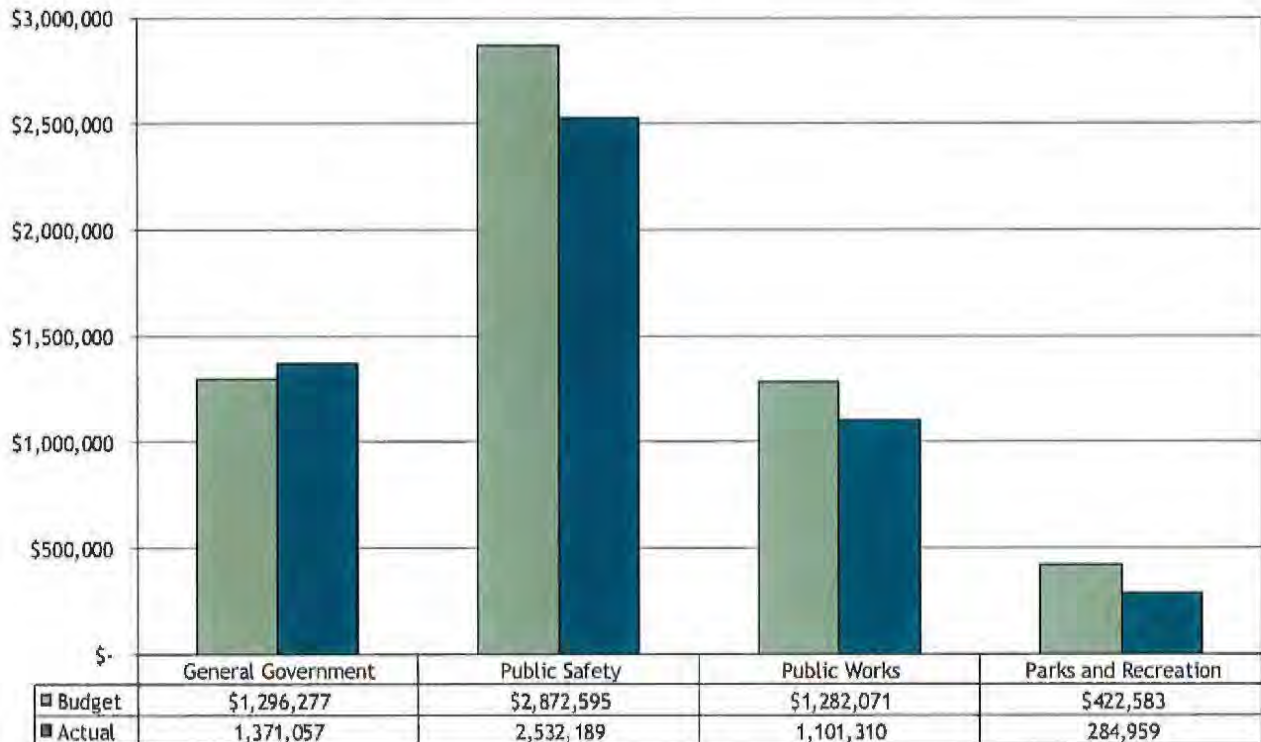


**City of Ham Lake
Financial Analysis**

General Fund Expenditures (Continued)

The graph below presents a comparison of final budget and actual results for General Fund expenditures.

**2025 General Fund Expenditures
Budget and Actual**



Overall, total expenditures were \$642,6701, or 10.9%, under the budgeted amounts.

Public works was \$242,586 under budget due in part to less blacktop maintenance, engineering costs, and fuel costs than anticipated. Public safety was \$140,271 under budget with salaries and wages for fire protection and building inspections coming in less than anticipated. Parks and recreation expenditures were \$137,513 under budget due to less salary and benefits than budgeted. General government expenditures were \$68,415 under budget due to less personnel service and engineering costs than anticipated.

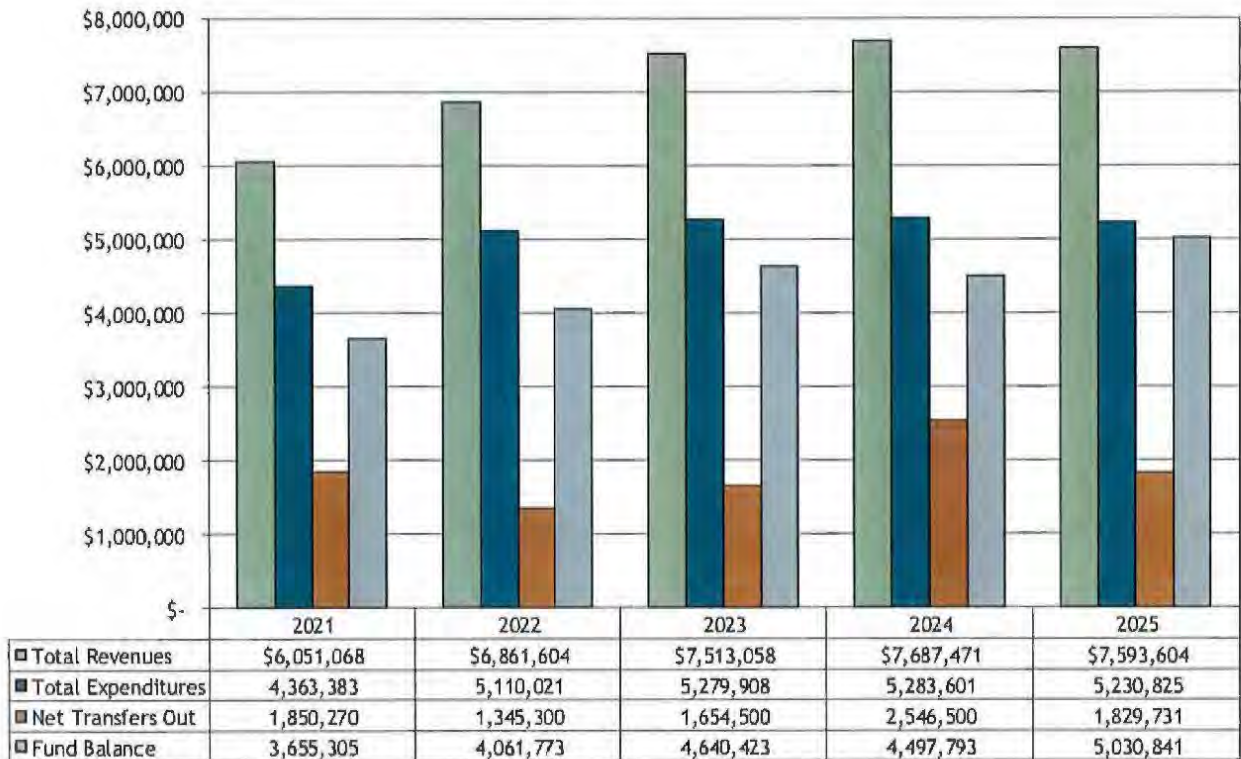
City of Ham Lake Financial Analysis

General Fund Balance

The General Fund balance increased \$533,048 from 2024 to 2025. This is a result of revenues and transfers in exceeding expenses and transfers out.

Net transfers to other funds decreased \$716,769 in 2025 as compared to 2024.

General Fund



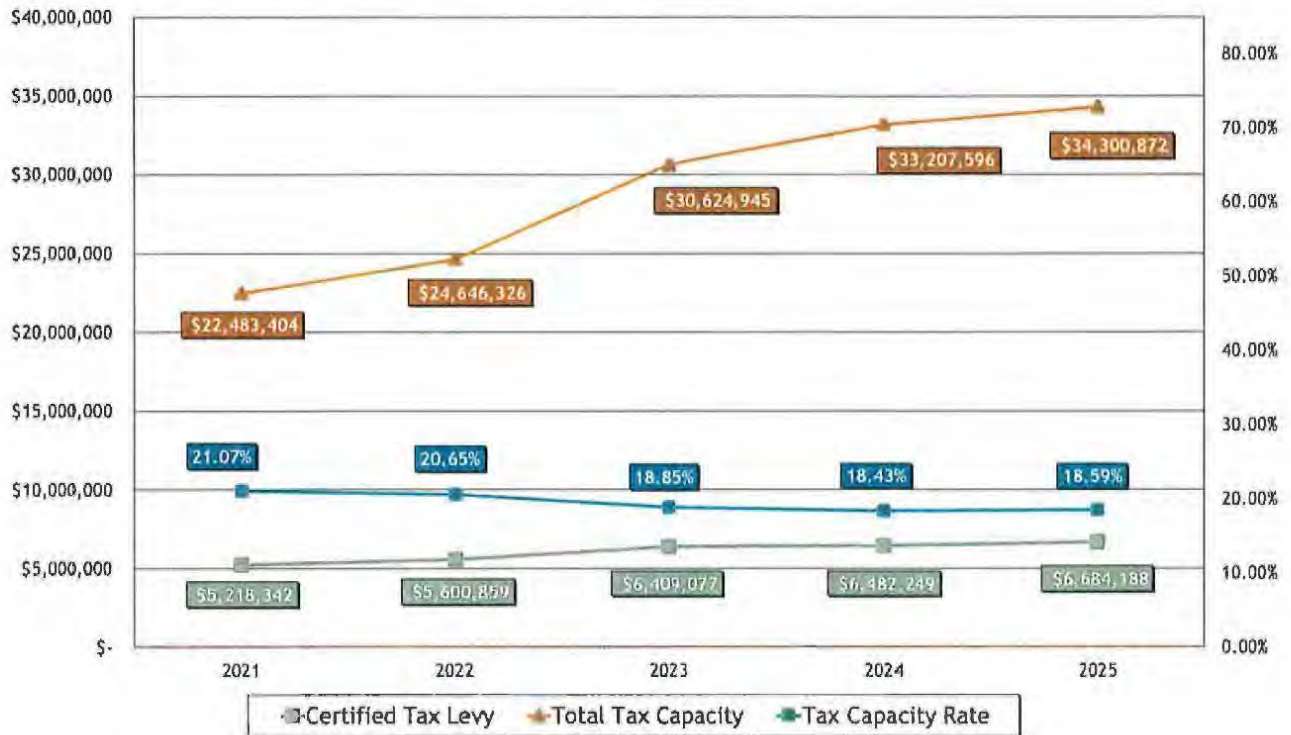
The City has formally adopted a fund balance policy for the General fund which requires the City maintain a minimum unassigned fund balance of 35-50% of the next year's budgeted expenditures, including transfers. The City has consistently complied with this policy, which is the result of effective budgeting and monitoring by management and City Council.

City of Ham Lake Financial Analysis

Tax Capacity, Levy, and Rates

The chart below depicts tax capacity, tax levy, and tax rate information for the City. The City's tax capacity has increased each of the past five years, while the tax levy has increased at a slower rate, resulting in an overall decrease in the tax rate over the past five years.

Tax Capacity, Levy, and Rates



Amounts obtained from Anoka County Property Records and Taxpayer Services.

City of Ham Lake Emerging Issues

Executive Summary

The following is an executive summary of financial related updates to assist you in staying current on emerging issues in accounting and finance. This summary will give you a preview of the new standards that have been recently issued and what is on the horizon for the near future. The most recent and significant updates include:

- **Accounting Standard Update - GASB Statement No. 103 - *Financial Reporting Model Improvements***

GASB has issued GASB Statement No. 103 relating to changes in financial reporting requirements. The changes provide clarity, enhance the relevance of information, provide more useful information for decision-making, and provide for greater comparability amongst government entities.

- **Accounting Standard Update - GASB Statement No. 104 - *Disclosure of Certain Capital Assets***

GASB has issued GASB Statement No. 104 relating to capital asset disclosures. The disclosures required by this Statement provide users of the financial statements with essential information about certain types of capital assets.

The following are extensive summaries of the current updates. As your continued business partner, we are committed to keeping you informed of new and emerging issues. We are happy to discuss these issues with you further and its applicability to your City.

City of Ham Lake Emerging Issues

Accounting Standard Update - GASB Statement No. 103 - *Financial Reporting Model Improvements*

The objective of this Statement is to improve key components of the financial reporting model to enhance its effectiveness in providing information that is essential for decision making and assessing a government's accountability. This Statement also addresses certain application issues.

This Statement addresses 5 areas of the financial statements (1) Management's Discussion and Analysis (MD&A), (2) Unusual or Infrequent Items, (3) Presentation of the Proprietary Fund Statement of Revenues, Expenses, and Changes in Fund Net Position, (4) Major Component Unit Information, and (5) Budgetary Comparison Information.

This Statement continues the requirement that the MD&A precede the basic financial statements as part of the Required Supplementary Information (RSI). This Statement requires that the information presented in MD&A be limited to the related topics discussed in five sections: (1) Overview of the Financial Statements, (2) Financial Summary, (3) Detailed Analyses, (4) Significant Capital Asset and Long-Term Financing Activity, and (5) Currently Known Facts, Decisions, or Conditions. The Statement stresses that detailed analyses should explain why balances and results of operations changed, rather than stating amounts and "boilerplate" discussions.

This Statement describes unusual or infrequent items as transactions and other events that are either unusual in nature or infrequent in occurrence. Furthermore, governments are required to display the inflows and outflows related to each unusual or infrequent item separately as the last presented flow(s) of resources prior to the net change in resource flows in the government-wide, governmental fund, and proprietary fund statements of resource flows.

This Statement requires that the proprietary fund statement of revenues, expenses, and changes in fund net position continue to distinguish between operating and nonoperating revenues and expenses. The Statement provides clarification regarding operating and nonoperating revenues and expenses. Also, this Statement requires that a subtotal for operating income (loss) and noncapital subsidies be presented before reporting other nonoperating revenues and expenses.

This Statement requires governments to present each major component unit separately in the reporting entity's statement of net position and statement of activities if it does not reduce the readability of the statements. If the readability of those statements would be reduced, combining statements of major component units should be presented after the fund financial statements.

This Statement requires governments to present budgetary comparison information using a single method of communication - RSI. Governments also are required to present (1) variances between original and final budget amounts and (2) variances between final budget and actual amounts. An explanation of significant variances is required to be presented in notes to RSI.

GASB Statement No. 103 is effective for fiscal years beginning after June 15, 2025. Earlier application is encouraged.

Information provided above was obtained from www.gasb.org.

**City of Ham Lake
Emerging Issues**

Accounting Standard Update - GASB Statement No. 104 - *Disclosure of Certain Capital Assets*

The objective of this Statement is to provide users of government financial statements with essential information about certain types of capital assets.

This Statement requires certain types of capital assets continue to be disclosed separately in the capital assets note disclosures including presentation of capital assets by major class and separate disclosure of lease assets, subscription assets, and intangible right-to-use assets.

This Statement requires additional disclosures for capital assets held for sale. A capital asset is held for sale if (a) the government has decided to pursue the sale of the capital asset and (b) it is probable that the sale will be finalized within one year of the financial statement date.

Governments should disclose (1) the ending balance of capital assets held for sale, with separate disclosure for historical cost and accumulated depreciation by major class of asset, and (2) the carrying amount of debt for which the capital assets held for sale are pledged as collateral for each major class of asset.

GASB Statement No. 104 is effective for fiscal years beginning after June 15, 2025. Earlier application is encouraged.

Information provided above was obtained from www.gasb.org.



CITY OF HAM LAKE

REQUEST FOR AN APPEARANCE BEFORE THE CITY COUNCIL

15544 Central Avenue NE
Ham Lake, MN 55304
Phone (763) 434-9555
Fax (763) 434-9599

Date of Application 5/9/2026 Deposit \$ _____

Date of City Council appearance 5/18/26 Receipt # _____

60-day review deadline _____

APPLICANT'S
NAME Benjamin Landwehr

STREET
ADDRESS 4121 Interlachen Dr Ne

CITY, STATE
ZIP Ham Lake, MN 55304

PHONE (daytime) 320-266-0685

NATURE OF REQUEST

1) Request city adopt section 6.33, 6.34, and 7.0 of DNR Shoreland Management Standards to

to comply with MR 6120.3300 Subd. 2.E. 2) Request the city review and amend approval to

South Shore Estates Edition due to material misrepresentations by the developer.

You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.

Ben Landwehr

5/9/26

Signature of Applicant

Date

Please attach any relevant information including maps, diagrams, and/or a descriptive narrative. Failure to include relevant information may delay the review by staff and City Council.



**NOTICE TO ALL APPLICANTS FOR MUNICIPAL
PERMITS, LICENSES,
OR OTHER MUNICIPAL ACTION**

- 1. If you are requesting municipal action on any request for any of the above, you will be required to furnish certain information about yourself, the project you are involved in, or other matters pertaining to the subject. Some of the information you are asked to provide is classified by state law as either private or confidential. Private data is information which generally cannot be given to the public but can be given to the subject of the data. Confidential data is information which generally cannot be given to either the public or the subject of the data.**
- 2. The purpose of this information is to enable the City Staff, Commissions, Council or other government agencies to evaluate relevant factors in considering your request. You are not legally required to provide this information. If you do not provide the requested information, the City may not act upon your request.**
- 3. The information you supply will be public and available to any entity requesting to inspect the information.**

**DATA PRACTICES ADVISORY
TENNESSEN WARNING**

REQUIRED BY MINNESOTA STATUTES CHAPTER 13.04

SIGNED BY Ben Landwehr

COMPANY/TITLE: _____

DATE: _____

**CITY OF HAM LAKE
ACKNOWLEDGMENT OF RESPONSIBILITY
TO REIMBURSE EXPENSES**

The undersigned, _____, having applied to the City of Ham Lake for consideration of a planning and zoning request, or any other permit, license, or action requiring review and/or approval of the City, as follows:

Type of Application

acknowledges that the sum of \$_____, has been deposited with the City of Ham Lake to reimburse the City of Ham Lake for any out of pocket expenses incurred by the City in reviewing the proposal, including but not limited to a staff review fee, any signage required by ordinance, and City Engineer and City Attorney's fees for their review, in amounts which are not known to the City at this time. The applicant acknowledges that it is the responsibility of the undersigned to reimburse the City for any such engineering or attorney's fees incurred in review of the applicant's request, or any other expenses incurred by the City in connection with this requires, and further acknowledges that in the event that the undersigned fails to promptly remit any amounts incurred by the City in excess of the deposit, the City shall have the right to discontinue further consideration or action upon the undersigned's request, shall have the right to rescind any approvals, withdraw any permits, licenses or other consents, shall have the right to vacate any street or road, plat or other dedication, and the undersigned waives the right to claim damages arising out of any such act by the City. Furthermore, the applicant agrees that in the event that the City is required to take legal action in order to effect recovery of any of the expenses incurred by the City from the undersigned, the City shall be entitled, in addition to principle and interest, to recover its reasonable attorney's fees incurred in collecting said sums from the undersigned.

Applicant Signature _____ **Dated** _____

The following statement must be signed if the applicant is not the property owner:

_____, as owner of the property involved in the foregoing application, agrees to be jointly and severally liable for payment of the foregoing fees.

Property Owner Signature _____ **Dated** _____

DNR Recommended Shoreland Management standards

6.33 Controlled access lots are permissible if created as part of a subdivision and in compliance with the following standards:

- A. The lot must meet the area and width requirements for residential lots, and be suitable for the intended uses of controlled access lots as provided in item D;
- B. If docking, mooring, or over-water storage of more than six (6) watercraft is to be allowed at a controlled access lot, then the width of the lot (keeping the same lot depth) must be increased by a percentage of the requirements for riparian residential lots for each watercraft beyond six, consistent with the following table:

Ratio of lot's area to shore length (acres/mile)	Required percent increase in frontage
Less than 100	25%
100 – 200	20%
201 – 300	15%
301 – 400	10%
Greater than 400	5%

- C. The lot must be jointly owned by all purchasers of lots in the subdivision or by all purchasers of nonriparian lots in the subdivision who are provided riparian access rights on the access lot; and
- D. Covenants or other equally effective legal instruments must be developed that:
 - 1) Specify which lot owners have authority to use the access lot;
 - 2) Identify what activities are allowed. The activities may include watercraft launching, loading, storage, beaching, mooring, docking, swimming, sunbathing, or picnicking;
 - 3) Limit the total number of vehicles allowed to be parked and the total number of watercraft allowed to be continuously moored, docked, or stored over water;
 - 4) Require centralization of all common facilities and activities in the most suitable locations on the lot to minimize topographic and vegetation alterations; and
 - 5) Require all parking areas, storage buildings, and other facilities to be screened by vegetation or topography as much as practical from view from the public water, assuming summer, leaf-on conditions.

6.34 Access Easements. Easements providing access to boat docking and mooring facilities to non-riparian property owners are prohibited.

7.0 PERFORMANCE STANDARDS FOR PUBLIC AND PRIVATE FACILITIES

7.1 Placement and Design of Roads, Driveways, and Parking Areas. These facilities must be designed to take advantage of natural vegetation and topography to achieve maximum screening as viewed from public waters. They must be constructed to minimize and control erosion to public waters consistent with the field office technical guides of the local SWCD and comply with the following standards:

7.11 Roads, driveways, and parking areas must meet structure setbacks and must not be placed within bluff and shore impact zones, when other reasonable and feasible placement alternatives exist. If no alternatives exist, they may be placed within these areas, and must be designed to minimize adverse impacts;

7.12 Watercraft access ramps, approach roads, and access-related parking areas may be placed within shore impact zones provided the vegetative screening and erosion control conditions of this subpart are met;

7.13 Private watercraft access ramps, approach roads, and access-related parking areas are prohibited.

7.14 For public roads, driveways and parking areas, documentation must be provided by a qualified individual that they are designed and constructed to minimize and control erosion to public waters consistent with the field office technical guides of the local soil and water conservation district, or other applicable technical materials.

April 16, 2026

David Krugler P.E.
City Engineer, Ham Lake, MN
13635 Johnson Street
Ham Lake, Minnesota 55304

Re: South Shore Estates Second Edition Dock and Mooring Spaces

Dear Mr. Krugler;

The DNR appreciates the opportunity to review the South Shore Estates Second Edition development. As discussion continues about the centralized dock access for non-riparian owners, we would like to share our concerns regarding the number of mooring spaces planned. State Shoreland Management Standards include controlled Access Lot provisions that regulate the number of mooring spaces available for non-riparian property owners. Through these provisions, a controlled access lot meeting the width of the proposed controlled access lot for South Shore Estates Second Edition would be allowed 12 mooring spaces, not the forty-two (42) spaces that are being proposed for this subdivision.

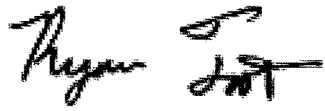
Section 12-7.16 of the City's shoreland ordinance mentions the use of controlled access lots for non-riparian owners, however, it does not contain the state shoreland rules standards for calculating the number of allowed spaces and other relevant standards under MR 6120.3300 Subd. 2.E.

The purpose of the State Standards on controlled access lots is to prevent overcrowding of our lakes by people and watercraft. The standards were designed to approximate a ratio of mooring spaces to lake frontage typical of existing riparian residential property use, thus limiting various "spill-over" or negative impacts onto adjacent properties and preserving a natural appearance of the property as viewed from the lake. The standards also serve to limit ecological impacts associated with boat traffic in these near-shore sensitive areas. Large dock structures with many mooring spaces shade aquatic plants, which may eliminate habitat critical for fish spawning, feeding, and refuge from predators. Propeller wash in shallow areas has been documented to disturb sediment, increase turbidity, release phosphorus, and also destroy critical fish habitat. Coon Lake is classified by DNR in the [Watershed Health Assessment Framework](#) as the highest protection priority for Phosphorus Sensitivity Significance, indicating that it is a higher-quality lake at greatest risk of becoming impaired for phosphorus.

While the Ham Lake's shoreland ordinance does not regulate the number of mooring spaces in controlled access lots, we urge the City to consider the negative impacts of the large number of proposed mooring spaces and work with the developer to reduce the number to what is allowed through State Standards.

Thank you for considering these concerns. Feel free to reach out to me with questions or responses.

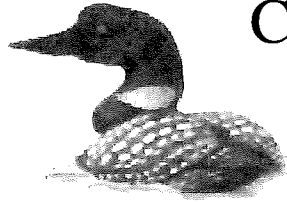
Sincerely,

Handwritten signature of Ryan Toot in black ink.

Ryan Toot
Area Hydrologist
651-259-5822
ryan.toot@state.mn.us

Attachments: None

ec. Dan Petrik, DNR EWR
Dan Lais, DNR EWR
Megan Moore, DNR, EWR
Jack Gleason, DNR EWR



CITY OF HAM LAKE

15544 Central Avenue NE
Ham Lake, Minnesota 55304
(763) 434-9555
info@ci.ham-lake.mn.us

CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY MINUTES MONDAY, MAY 4, 2026

The Ham Lake City Council and Economic Development Authority met for its regular meeting on Monday, May 4, 2026 at 6:00 p.m. in the Council Chambers at the Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

MEMBERS PRESENT: Mayor Brian Kirkham and Councilmembers Andrew Hallberg, Al Parranto, and Mike Van Kirk

MEMBERS ABSENT: Councilmember Jim Doyle

OTHERS PRESENT: City Attorney, Mark Berglund; City Engineer, Dave Krugler; City Administrator, Denise Webster; Finance Director, Andrea Murff; and Deputy City Clerk, Dawnette Shimek

1.0 CALL TO ORDER - 6:00 P.M. – Pledge of Allegiance

2.0 PUBLIC COMMENT – None

3.0 SPECIAL APPEARANCES/PUBLIC HEARINGS

3.1 Tonja West-Hafner, Executive Director of Anoka County Housing and Redevelopment Authority (HRA) – Discussion of approving the updated Joint Powers Agreement (JPA) with the Anoka County Housing and Redevelopment Authority (HRA) and adoption of Resolution No. 26-18

Mayor Kirkham stated the City Council held a special workshop meeting with Tonja West-Hafner, Executive Director of Anoka County Housing and Redevelopment Authority to discuss the updated Joint Powers Agreement. **Motion by Van Kirk, seconded by Parranto, to approve the updated Joint Powers Agreement with Anoka County Housing and Redevelopment Authority (HRA) and adoption of Resolution No. 26-18. All present in favor, motion carried.**

4.0 CONSENT AGENDA

These items are considered to be routine and will be enacted in one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which event the item will be removed from the Consent Agenda and considered in normal sequence. (All items listed on the Consent Agenda are recommended for approval.)

4.1 Approval of minutes of April 20, 2026

4.2 Approval of claims in the amount of \$214,243.41

4.3 Approval of closing City Hall at Noon on Thursday, July 2nd for the 4th of July holiday

4.4 Approval of the resignation of Firefighter Jesse Wilken

4.5 Approval of Field Party Permits for Maxx Bar & Grill, 17626 Central Avenue NE for May 29, 30, & 31 and October 2, 3, & 4, 2026

- 4.6 Approval of extending the probationary period for Public Works employee
- 4.7 Approval of Resolution No. 26-19 scheduling a public hearing to vacate a portion of the drainage and utility easement in Section 11
- 4.8 Road Committee Recommendation:
 - 1) Approval of ordering plan and specifications for the reconstruction of Lake Netta Drive NE from Constance Boulevard NE to 167th Lane NE

Motion by Hallberg, seconded by Parranto, to approve the Consent Agenda as written. All present in favor, motion carried.

5.0 PLANNING COMMISSION RECOMMENDATIONS

- 5.1 Dave Erickson of KE Properties LLC, requesting to rezone of a certain parcel of land from R-AH (Affordable Housing District) to R-1 (Single Family Residential) for 1 single family lot in Section 32 (this is considered the First Reading of a rezoning Ordinance)

Motion by Kirkham, seconded by Van Kirk, to concur with the recommendation of the Planning Commission and approve the request of Dave Erickson of KE Properties LLC, requesting rezoning of certain parcels of land from R-AH (Affordable Housing District) to R-1 (Single Family Residential) for 1 single family lot (1016 Bunker Lake Boulevard NE – PIN 30-32-23-32-0002) in Section 32 (this is considered the First Reading of a rezoning Ordinance). All present in favor, motion carried.

- 5.2 To consider the revocation of the Conditional Use Permit for Ryan Beltrand to operate North Central Motors, LLC at 17159 Highway 65 NE (PID #08-32-23-13-0005) and adoption of Resolution No. 26-20

Motion by Van Kirk, seconded by Hallberg, to concur with the recommendation of the Planning Commission and approve Resolution No. 26-20, revoking the Conditional Use Permit for Ryan Beltrand to operate North Central Motors, LLC at 17159 Highway 65 NE (PID #08-32-23-13-0005). All present in favor, motion carried.

- 5.3 Jeff Harstad and Heather Wollan (JHHW, LLC) of Allstate Distribution, requesting a Certificate of Occupancy to operate an office/warehouse and fabrication business at 13928 Lincoln Street NE

Motion by Kirkham, seconded by Parranto, to concur with the recommendation of the Planning Commission and approve the request of Jeff Harstad and Heather Wollan (JHHW, LLC) of Allstate Distribution a Certificate of Occupancy to operate and office/warehouse and fabrication business at 13928 Lincoln Street NE, subject to no outside storage, maximum building occupancy load of 30 at any time and shall be the owner's responsibility to enforce, at change of ownership, it shall be the owner's responsibility at time of sale to disclose max occupancy load of 30, no parking on the city street, and meeting all State, County and State requirements. All present in favor, motion carried.

- 5.4 Patrick McKelvey of Best Siding Company Inc./TGP Baseball and Softball Academy, LLC requesting a Certificate of Occupancy to operate a Training Facility at 1310 154th Avenue NE

Motion by Kirkham, seconded by Hallberg, to concur with the recommendation of the Planning Commission and approve the request of Patrick McKelvey of Best Siding Company, Inc./TGP Baseball and Softball Academy, LLC a Certificate of Occupancy to operate a training facility at 1310 154th Avenue NE, subject to no outside storage, maximum building occupancy load of 22 posted and shall be the owner's responsibility to enforce, at change of ownership, it shall be

the owner's responsibility at time of sale to disclose the max occupancy load of 22, minimum 22 parking stalls, one meeting accessibility code, parking stalls properly marked and maintained, all parking on an approved surface, no parking on the city street or grass, and meeting all State, County and State requirements. All present in favor, motion carried.

6.0 ECONOMIC DEVELOPMENT AUTHORITY – None

7.0 APPEARANCES

7.1 Finance Director Andrea Murff, 1st Quarter Financial Report

Finance Director Murff gave the financial report for the 1st Quarter of 2026. Finance Director Murff reported on the Overall Cash Position by Fund decreased by approximately \$582,000 from December 31, 2025. Finance Director Murff stated this decrease is due having general fund operating costs and payoff of the last 2010 CIP Bond payment and not having a tax settlement coming until June. Finance Director Murff stated the overall General Fund expenditures was coming in under budget through March 31st, 2026, due to an open position in planning, not yet paying for annual support fee for PermitWorks software, and less activity in Public Works and Parks. Finance Director Murff stated General Fund revenues were not meeting expectations for 1st Quarter 2026 due to timing of the tax settlement and permit activity. Finance Director Murff stated General Fund cash was on target to where it has been in previous years.

8.0 CITY ATTORNEY

Attorney Berglund stated that he has been in contact with the attorney representing Burger King and is working with them to obtain an easement for the street reconstruction project of Crosstown Shopping Center.

9.0 CITY ENGINEER – None

10.0 CITY ADMINISTRATOR – None

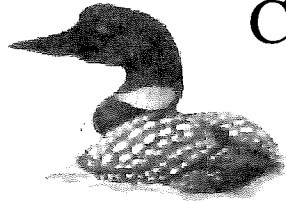
11.0 COUNCIL BUSINESS

11.1 Committee Reports – None

11.2 Announcements and future agenda items – None

Motion by Kirkham, seconded by Hallberg, to adjourn the City Council meeting at 6:13 p.m. All present in favor, motion carried.

Dawnette Shimek, Deputy City Clerk



CITY OF HAM LAKE

15544 Central Avenue NE
Ham Lake, Minnesota 55304
(763) 434-9555
info@ci.ham-lake.mn.us

CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY WORKSHOP MEETING MINUTES MONDAY, MAY 4, 2026

The Ham Lake City Council met on Monday, May 4, 2026 at 5:15 p.m. in the Conference Room at the Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

MEMBERS PRESENT: Mayor Brian Kirkham and Councilmembers Al Parranto, and Andrew Hallberg. Councilmember Mike Van Kirk arrived at 5:28 p.m.

MEMBERS ABSENT: Councilmember Jim Doyle

OTHERS PRESENT: City Attorney, Mark Berglund; City Administrator, Denise Webster; and Deputy City Clerk, Dawnette Shimek

1.0 Call to Order

Mayor Kirkham called the meeting to order at 5:15 p.m.

2.0 Discussion of the amendment to the Joint Powers Agreement (JPA) for the Willows of Ham Lake Senior Housing with Tonja West-Hafner, Executive Director of Anoka County Housing and Redevelopment Authority (HRA)

Executive Director of Anoka County Housing and Redevelopment Authority (HRA), Tonja West-Hafner, was present before the City Council to discuss the updated Joint Powers Agreement (JPA) for the Willows of Ham Lake Senior Housing located at 845 Bunker Lake Boulevard NE. The City of Ham Lake entered into a JPA with the HRA to complete the 49-unit project in 1996. The rent is \$1,100 for 1-bedroom, \$1,200 for 1-bedroom with a den, and \$1,500 for a 2-bedroom apartment. The project was financed/backed by project revenues, HRA Levy, and City GO (General Obligation) bonds that were paid off in 2026. The amended JPA terminates if the HRA sells the project, or the City exercises its Right of First offer upon the HRA deciding to sell. The amended JPA updates and clarifies terms regarding the continued management by the HRA, priority for Ham Lake 55+ residents, clarify Ham Lake's position relative to not constructing a second building, and use of Levy fund balance. Ms. West-Hafner stated that a capital needs assessment has been completed and they have a 10-year plan to replace roofing, siding, well, the interior of the apartments and septic system, which will be funded by HRA funds and Local Affordable Housing Aid (LAHA) funds. Attorney Berglund stated that the LAHA funds must be spent or committed within 4 years of receiving them. Attorney Berglund added that it is a good opportunity for the City to use the funds for the Willows. Attorney Berglund stated he has reviewed the amended JPA and has no issues with it.

3.0 Discussion of the Local Affordable Housing Aid (LAHA) Funds with Tonja West-Hafner, Executive Director of Anoka County Housing and Redevelopment Authority (HRA)

Ms. West-Hafner stated that they will only use what is needed of the LAHA Funds. Discussion followed regarding asking Anoka County to manage the LAHA Funds as it will be more efficient for the County to manage because administrative fees cannot be taken out of LAHA Funds at this time.

Motion by Kirkham, seconded by Parranto, to adjourn the workshop meeting at 5:52 p.m. All present in favor, motion carried.

Dawnette Shimek, Deputy City Clerk

CITY OF HAM LAKE
CLAIMS SUBMITTED TO COUNCIL
May 18, 2026

CITY OF HAM LAKE

EFTS, CHECKS, AND BANK DRAFTS	05/05/26 - 05/18/26	
EFT	# 2550 - 2562	\$ 44,179.60
REFUND CHECKS	# 68069 - 68074	\$ 8,200.00
CHECKS	# 68075 - 68118	\$ 83,437.51
BANK DRAFTS	DFT0003081 - DFT0003084	\$ 32,567.37
TOTAL EFTS, CHECKS, AND BANK DRAFTS		<u>\$ 168,384.48</u>
PAYROLL CHECKS		
05/15/26	Direct Deposits	\$ 52,607.96
TOTAL PAYROLL CHECKS		<u>\$ 52,607.96</u>
VOID CHECKS		
CHECKS		
ZERO CHECKS	#68086, 68087, 68101	\$ -
ZERO EFT	#2560	\$ -
BANK DRAFT NOT USED		\$ -
TOTAL VOIDS		<u>\$ -</u>
TOTAL OF ALL PAYMENTS		<u><u>\$ 220,992.44</u></u>

APPROVED BY THE HAM LAKE CITY COUNCIL THIS 18TH DAY OF MAY 2026

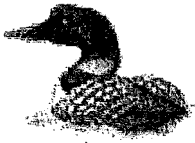
MAYOR

COUNCILMEMBER

COUNCILMEMBER

COUNCILMEMBER

COUNCILMEMBER



City of Ham Lake, MN

Refund Check Register

Packet: ARPKT01740 - 05/07/26 TRUST REFUND

Refund Detail

Account Number	Name	Check Date	Check Number	Amount
00853	THUNDERSTRUCK	5/7/2026	68069	5,000.00
Total Refund Amount:				5,000.00

Revenue Totals

Revenue Code	Total Distribution
TRUST DEPOSITS - TRUST DEPOSITS	5,000.00
Revenue Totals:	5,000.00

General Ledger Distribution

Posting Date: 05/07/2026

Account Number	Account Name	Posting Amount	IFT
Fund: 890 - TRUST FUND			
890-10101	Cash-claim on pooled cash	-5,000.00	Yes
890-11501	Misc receivables	5,000.00	
	890 Total:	0.00	
Fund: 999 - POOLED CASH			
999-10100	Pooled Cash	-5,000.00	
999-20702	Due to other funds	5,000.00	Yes
	999 Total:	0.00	
	Distribution Total:	0.00	



Packet: ARPKT01742 - 05/11/26 TRUST REFUNDS

Refund Detail

Account Number	Name	Check Date	Check Number	Amount
00800	SANDY DAHLAGER	5/11/2026	68070	150.00
00827	SANDY HOLTE	5/11/2026	68071	150.00
00833	MICHELLE WALBERG	5/11/2026	68072	150.00
Total Refund Amount:				450.00

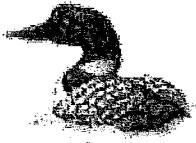
Revenue Totals

Revenue Code	Total Distribution
TRUST DEPOSITS - TRUST DEPOSITS	450.00
Revenue Totals:	450.00

General Ledger Distribution

Posting Date: 05/11/2026

Account Number	Account Name	Posting Amount	IFT
Fund: 890 - TRUST FUND			
890-10101	Cash-claim on pooled cash	-450.00	Yes
890-11501	Misc receivables	450.00	
	890 Total:	<u>0.00</u>	
Fund: 999 - POOLED CASH			
999-10100	Pooled Cash	-450.00	
999-20702	Due to other funds	450.00	Yes
	999 Total:	<u>0.00</u>	
	Distribution Total:	<u>0.00</u>	



Packet: ARPKT01744 - 05/13/26 TRUST REFUNDS

Refund Detail

Account Number	Name	Check Date	Check Number	Amount
00310	ANDY SCHERRER	5/13/2026	68073	2,600.00
00820	KRISTEN RINGLER	5/13/2026	68074	150.00
Total Refund Amount:				2,750.00

Revenue Totals

Revenue Code	Total Distribution
TRUST DEPOSITS - TRUST DEPOSITS	2,750.00
Revenue Totals:	2,750.00

General Ledger Distribution

Posting Date: 05/13/2026

Account Number	Account Name	Posting Amount	IFT
Fund: 890 - TRUST FUND			
890-10101	Cash-claim on pooled cash	-2,750.00	Yes
890-11501	Misc receivables	2,750.00	
	890 Total:	0.00	
Fund: 999 - POOLED CASH			
999-10100	Pooled Cash	-2,750.00	
999-20702	Due to other funds	2,750.00	Yes
	999 Total:	0.00	
	Distribution Total:	0.00	



Payment Dates 5/5/2026 - 5/18/2026

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
2550	ACCESS	APRIL SHREDDING	Waste management & recycli	231-43601-3630	262.04
2551	BERGLUND, BAUMGARTNER,	4/6/26 COUNCIL MEETING	Attorney	100-41101-3110	157.35
2551	BERGLUND, BAUMGARTNER,	GOODFELLAS/SCHOENROCK	Attorney	100-41101-3110	87.42
2551	BERGLUND, BAUMGARTNER,	CODE UPDATE - MINING DIST	Attorney	100-41102-3110	349.66
2551	BERGLUND, BAUMGARTNER,	LANDLOCKED PARCEL	Attorney	100-41601-3110	209.80
2551	BERGLUND, BAUMGARTNER,	17159 HWY 65 - CORVETTE S	Attorney	100-41601-3110	437.07
2551	BERGLUND, BAUMGARTNER,	GENERAL CODE CLARIFICATIO	Attorney	100-42401-3110	122.38
2551	BERGLUND, BAUMGARTNER,	111 - 167TH ENFORCEMENT L	Attorney	100-42401-3110	139.86
2551	BERGLUND, BAUMGARTNER,	WILLOWS JPA	Attorney	262-46101-3110	297.21
2551	BERGLUND, BAUMGARTNER,	05-32-23-42-0003 EASEMENT	Attorney	431-43301-3110	139.86
2551	BERGLUND, BAUMGARTNER,	05-32-23-43-0001 EASEMENT	Attorney	431-43301-3110	1,136.24
2551	BERGLUND, BAUMGARTNER,	29-32-23-42-0017 - SALE OF L	Attorney	431-43301-3110	402.12
2551	BERGLUND, BAUMGARTNER,	NORTH METRO STORAGE RIG	Attorney	431-43301-3110	314.70
2551	BERGLUND, BAUMGARTNER,	SOUTH SHORE ESTATES 2ND	Attorney	890-90001-3110	426.08
2551	BERGLUND, BAUMGARTNER,	STODDARD WETLAND BANK	Attorney	890-90001-3110	163.88
2551	BERGLUND, BAUMGARTNER,	APRIL PROSECUTIONS	Attorney	100-41501-3110	7,102.73
2552	BLAINE BROTHERS INC	#81 TRANSMISSION REPAIR	Vehicle repair & maintenance	100-43101-3470	5,007.67
2552	BLAINE BROTHERS INC	#81 ORANGE WIRE LOOP, MA	Vehicle parts & supplies	100-43101-2340	48.45
2553	CINTAS CORP	UNIFORMS	Clothing & personal protectiv	100-43101-2210	141.73
2553	CINTAS CORP	UNIFORMS	Clothing & personal protectiv	100-44101-2210	59.08
2553	CINTAS CORP	UNIFORMS	Clothing & personal protectiv	100-43101-2210	115.63
2553	CINTAS CORP	UNIFORMS	Clothing & personal protectiv	100-44101-2210	59.00
2553	CINTAS CORP	FIRE #3 - DISINFECT SERVICE	Safety supplies	100-42201-2240	7.53
2553	CINTAS CORP	FIRE #2 - DISINFECT SERVICE	Safety supplies	100-42201-2240	7.53
2553	CINTAS CORP	FIRE #1 - DISINFECT SERVICE	Safety supplies	100-42201-2240	7.53
2553	CINTAS CORP	SR CTR - DISINFECT SERVICE	Safety supplies	100-44201-2240	7.53
2553	CINTAS CORP	PW - DISINFECT SERVICE	Safety supplies	100-43101-2240	7.53
2553	CINTAS CORP	CITY HALL - DISINFECT SERVIC	Safety supplies	100-41701-2240	7.53
2553	CINTAS CORP	CITY HALL - ELECTROLYTE-LEM	Safety supplies	100-41701-2240	20.54
2553	CINTAS CORP	LION'S PARK - FIRST AID CABI	Safety supplies	100-44101-2240	7.53
2553	CINTAS CORP	HL BALLFIELDS - ALLERGY TAB	Safety supplies	100-44101-2240	21.47
2553	CINTAS CORP	HL BALLFIELDS - DISINFECT SE	Safety supplies	100-44101-2240	7.53
2553	CINTAS CORP	HL PARK BUILDING - ALLERGY	Safety supplies	100-44101-2240	21.47
2553	CINTAS CORP	HL PARK BUILDING - DISINFEC	Safety supplies	100-44101-2240	7.53
2554	GREATAMERICA FINANCIAL SE	MAY MAILING MACHINE LEAS	Equipment rentals	100-41701-3320	160.95
2555	JASON MILLER	HOLIDAY INN/IAAI CONFEREN	Training/conferences/schools	100-42201-3510	362.76
2555	JASON MILLER	IAAI CONFERENCE LODGING	Mileage	100-42201-3960	92.80
2556	MEDTOX LABORATORIES	DRUG TESTING	Personnel testing & recruitme	100-42201-3150	32.46
2557	MIKE RACZKOWSKI	HOLTZ GARDEN CENTER - STR	Training supplies	100-42201-3530	97.31
2558	NICOLE WHEELER	MMCI TRAINING - BROOKLYN	Mileage	100-41301-3960	105.13
2559	RFC ENGINEERING, INC.	CROSSTOWN BUSINESS PARK	Engineering	262-46101-3135	705.31
2559	RFC ENGINEERING, INC.	CROSSTOWN BUSINESS PARK	Engineering	262-46101-3135	674.12
2559	RFC ENGINEERING, INC.	CROSSTOWN SHOPPING CENT	Engineering	431-43301-3135	746.18
2559	RFC ENGINEERING, INC.	CROSSTOWN SHOPPING CENT	Engineering	431-43301-3135	2,013.26
2559	RFC ENGINEERING, INC.	143RD AVENUE	Engineering	431-43301-3135	592.95
2559	RFC ENGINEERING, INC.	143RD AVENUE	Engineering	431-43301-3135	748.36
2559	RFC ENGINEERING, INC.	W FRONT RD S OF CONSTANC	Engineering	431-43301-3135	4,066.00
2559	RFC ENGINEERING, INC.	W FRONT RD S OF CONSTANC	Engineering	431-43301-3135	2,153.03
2559	RFC ENGINEERING, INC.	CITY CODE UPDATE	Engineering	100-41102-3135	202.75
2559	RFC ENGINEERING, INC.	PLANNING/POTENTIAL DEVEL	Engineering	100-41601-3135	280.71
2559	RFC ENGINEERING, INC.	NPDES	Engineering	230-43201-3135	554.60
2559	RFC ENGINEERING, INC.	NORTH METRO STORAGE - RO	Engineering	431-43301-3135	31.19
2559	RFC ENGINEERING, INC.	E. LAKE NETTA ROAD FEASIBIL	Engineering	431-43301-3135	93.58
2559	RFC ENGINEERING, INC.	CSAH 116/TH 65/BUNKER LAK	Engineering	431-43301-3135	109.17

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
2559	RFC ENGINEERING, INC.	ROAD COMMITTEE MEETING	Engineering	431-43301-3135	109.17
2559	RFC ENGINEERING, INC.	2026 REHAB	Engineering	431-43301-3135	218.34
2559	RFC ENGINEERING, INC.	HAM LAKE ESTATES	Engineering	890-90001-3135	888.92
2559	RFC ENGINEERING, INC.	STODDARD WETLAND BANK	Engineering	890-90001-3135	499.05
2559	RFC ENGINEERING, INC.	15155 UNIVERSITY AVE LOT LI	Engineering	890-90001-3135	20.43
2559	RFC ENGINEERING, INC.	TRACTOR SUPPLY	Engineering	890-90001-3135	129.05
2559	RFC ENGINEERING, INC.	HARMONY ESTATES 3RD	Engineering	890-90001-3135	39.15
2559	RFC ENGINEERING, INC.	ENTHUSIASTIC CAR CO CBP	Engineering	890-90001-3135	31.19
2559	RFC ENGINEERING, INC.	ELWELL FARMS 2ND	Engineering	890-90001-3135	40.86
2559	RFC ENGINEERING, INC.	ELWELL FARMS	Engineering	890-90001-3135	51.07
2559	RFC ENGINEERING, INC.	KWIK TRIP	Engineering	890-90001-3135	82.26
2559	RFC ENGINEERING, INC.	KOHLER FARMS	Engineering	890-90001-3135	93.02
2559	RFC ENGINEERING, INC.	ROW PERMIT BILLING ERROR	Other Misc Receivables	100-11503	7.48
2559	RFC ENGINEERING, INC.	COUNCIL MEETING	Engineering	100-41101-3135	31.19
2559	RFC ENGINEERING, INC.	17340 LEXINGTON AVE - WIT	Engineering	100-41102-3135	109.17
2559	RFC ENGINEERING, INC.	CITY CODE UPDATE	Engineering	100-41102-3135	904.52
2559	RFC ENGINEERING, INC.	HAM LAKE STORM NETWORK	Engineering	230-43201-3135	693.25
2559	RFC ENGINEERING, INC.	NPDES	Engineering	230-43201-3135	277.30
2559	RFC ENGINEERING, INC.	NPDES	Engineering	230-43201-3135	1,594.48
2559	RFC ENGINEERING, INC.	2026 REHAB	Engineering	431-43301-3135	577.02
2559	RFC ENGINEERING, INC.	CSAH 116/TH65/BUNKER LAK	Engineering	431-43301-3135	109.17
2559	RFC ENGINEERING, INC.	E LAKE NETTA ROAD FEASIBILI	Engineering	431-43301-3135	77.98
2559	RFC ENGINEERING, INC.	CSAH 17/CSAH 60 ROUNDAB	Engineering	431-43301-3135	15.60
2559	RFC ENGINEERING, INC.	NORTH METRO STORAGE - RO	Engineering	431-43301-3135	1,452.39
2559	RFC ENGINEERING, INC.	HARMONY ESTATES 3RD	Engineering	890-90001-3135	690.29
2559	RFC ENGINEERING, INC.	HAM LAKE ESTATES	Engineering	890-90001-3135	109.17
2559	RFC ENGINEERING, INC.	STODDARD WETLAND BANK	Engineering	890-90001-3135	171.55
2559	RFC ENGINEERING, INC.	HIDDEN FOREST EAST 4TH L3	Engineering	890-90001-3135	218.33
2559	RFC ENGINEERING, INC.	ELWELL FARMS	Engineering	890-90001-3135	15.60
2559	RFC ENGINEERING, INC.	TRACTOR SUPPLY	Engineering	890-90001-3135	15.60
2559	RFC ENGINEERING, INC.	STODDARD WETLAND BANK -	Engineering	890-90001-3135	35.00
2559	RFC ENGINEERING, INC.	KOHLER FARMS	Engineering	890-90001-3135	1,778.60
2559	RFC ENGINEERING, INC.	KWIK TRIP - BLDG PERMIT	Engineering	890-90001-3135	15.60
2559	RFC ENGINEERING, INC.	GROUP PERMIT BILLING	Engineering - ROW	100-43501-3135	476.45
2559	RFC ENGINEERING, INC.	GROUP PERMIT BILLING	Engineering - ROW	100-43501-3135	848.83
2559	RFC ENGINEERING, INC.	MSA GROUP BILLING	Engineering	431-43301-3135	31.19
2559	RFC ENGINEERING, INC.	MSA GROUP BILLING	Engineering	431-43301-3135	15.60
2561	STAR TRIBUNE MEDIA COMPA	NORTH CENTRA MOTORS - CU	Legal notices/publications/bid	100-41101-3950	101.12
2561	STAR TRIBUNE MEDIA COMPA	MAJESTIC HIGHLANDS - PREL	Reimbursable expense	100-48101-4150	55.30
2561	STAR TRIBUNE MEDIA COMPA	MAJESTIC HIGHLANDS REZON	Legal notices/publications/bid	890-90001-3950	53.72
2562	UNLIMITED SUPPLIES INC	CABLE CLAMPS, NUTS, WASH	Operating supplies	100-43101-2290	233.81
2562	UNLIMITED SUPPLIES INC	SIGN SUPPLIES-NUTS, BOLTS,	Street signs	100-43401-2250	127.95
68075	ACE SOLID WASTE INC	MAY ORGANICS	Waste management & recycli	231-43601-3630	385.84
68076	ANOKA COUNTY PROPERTY	2026 NEARMAP AERIAL IMAG	Other professional services	100-41701-3190	1,000.00
68077	ANOKA COUNTY TREASURY D	BROADBAND CITY HALL	Internet & website	100-41707-3220	50.00
68077	ANOKA COUNTY TREASURY D	BROADBAND FIRE #2	Internet	100-42201-3220	150.00
68077	ANOKA COUNTY TREASURY D	BROADBAND FIRE #1	Internet	100-42201-3220	50.00
68077	ANOKA COUNTY TREASURY D	BROADBAND PW	Internet & website	100-43101-3220	50.00
68078	ASPEN MILLS INC	SHIRTS - MR	Clothing & personal protectiv	100-42201-2210	93.66
68079	AT&T MOBILITY/FIRSTNET	APRIL SURFACE PRO TABLETS	Phones/radios/pagers	100-42201-3210	189.01
68080	BERGANKDV	2025 AUDIT	Audit & actuarial services	100-41402-3115	20,000.00
68081	BLUE CROSS BLUE SHIELD OF	JUNE VISION	Vision Insurance	100-21715	37.00
68082	BUSINESS ESSENTIALS	TOILET PAPER & PAPER TOWE	Operating supplies	100-44101-2290	1,143.60
68083	CENTERPOINT ENERGY	CITY HALL	Natural gas	100-41702-3620	342.54
68083	CENTERPOINT ENERGY	FIRE #1	Natural gas	100-42202-3620	185.22
68083	CENTERPOINT ENERGY	FIRE #2	Natural gas	100-42202-3620	300.88
68083	CENTERPOINT ENERGY	PW	Natural gas	100-43104-3620	831.92
68083	CENTERPOINT ENERGY	H.L. PARK PAVILION	Natural gas	100-44102-3620	95.57
68083	CENTERPOINT ENERGY	H.L. PARK BUILDING	Natural gas	100-44102-3620	490.09
68083	CENTERPOINT ENERGY	SR CENTER	Natural gas	100-44202-3620	184.45

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
68084	COMCAST BUSINESS-INTERNE	MAY FIRE #3 INTERNET	Internet	100-42201-3220	369.30
68085	CONNEXUS ENERGY	GARAGE	Electricity	100-41702-3610	41.44
68085	CONNEXUS ENERGY	CITY HALL	Electricity	100-41702-3610	869.95
68085	CONNEXUS ENERGY	SOUTH WELCOME	Electricity	100-41703-3610	17.57
68085	CONNEXUS ENERGY	CITY SIGN	Electricity	100-41703-3610	275.97
68085	CONNEXUS ENERGY	FIRE #1	Electricity	100-42202-3610	502.14
68085	CONNEXUS ENERGY	FIRE #3	Electricity	100-42202-3610	346.62
68085	CONNEXUS ENERGY	FIRE #2	Electricity	100-42202-3610	307.21
68085	CONNEXUS ENERGY	SIRENS	Electricity	100-42302-3610	70.20
68085	CONNEXUS ENERGY	PW	Electricity	100-43104-3610	1,025.17
68085	CONNEXUS ENERGY	STREET LIGHTS #1	Electricity	100-43401-3610	26.64
68085	CONNEXUS ENERGY	BUNKER/JEFFERSON SIGNALS	Electricity	100-43401-3610	70.26
68085	CONNEXUS ENERGY	BUNKER/LEXINGTON SIGNALS	Electricity	100-43401-3610	74.20
68085	CONNEXUS ENERGY	RADISSON/BUNKER SIGNALS	Electricity	100-43401-3610	85.40
68085	CONNEXUS ENERGY	CROSSTOWN/HWY 65 SIGNAL	Electricity	100-43401-3610	87.13
68085	CONNEXUS ENERGY	HWY 65/ANDOVER BLVD SIGN	Electricity	100-43401-3610	90.87
68085	CONNEXUS ENERGY	HWY 65/BUNKER SIGNALS	Electricity	100-43401-3610	95.54
68085	CONNEXUS ENERGY	HWY 65/CONSTANCE SIGNALS	Electricity	100-43401-3610	124.27
68085	CONNEXUS ENERGY	LEXINGTON/CROSSTOWN SIG	Electricity	100-43401-3610	52.11
68085	CONNEXUS ENERGY	STREET LIGHTS #2	Electricity	100-43401-3610	312.24
68085	CONNEXUS ENERGY	SODERVILLE PARK	Electricity	100-44101-3610	41.67
68085	CONNEXUS ENERGY	HAM LAKE WELL	Electricity	100-44101-3610	141.90
68085	CONNEXUS ENERGY	HAM LAKE PARK	Electricity	100-44101-3610	172.83
68085	CONNEXUS ENERGY	HAM LAKE AERATOR	Electricity	100-44101-3610	16.50
68085	CONNEXUS ENERGY	SODERVILLE PARK WELL	Electricity	100-44101-3610	16.50
68085	CONNEXUS ENERGY	HAM LAKE PARK BUILDING	Electricity	100-44102-3610	127.49
68085	CONNEXUS ENERGY	HAM LAKE PARK CONCESSION	Electricity	100-44102-3610	20.77
68085	CONNEXUS ENERGY	LION'S PARK PAVILION	Electricity	100-44102-3610	45.19
68085	CONNEXUS ENERGY	HAM LAKE PARK SHELTER	Electricity	100-44102-3610	27.04
68085	CONNEXUS ENERGY	LION'S PARK CONCESSION	Electricity	100-44102-3610	19.84
68085	CONNEXUS ENERGY	SR CENTER	Electricity	100-44202-3610	468.44
68085	CONNEXUS ENERGY	STREET LIGHTS	Electricity	232-43701-3610	5,419.94
68088	DATA PRACTICES OFFICE	INTRO TO DATA PRACTICES - A	Training/conferences/schools	100-41401-3510	125.00
68089	DEARBORN LIFE INS CO	MAY JB VOL LIFE	Other Misc Receivables	100-11503	17.60
68089	DEARBORN LIFE INS CO	MAY LIFE	Life Insurance	100-21714	50.08
68089	DEARBORN LIFE INS CO	MAY VOL LIFE	Life Insurance	100-21714	160.20
68090	DEHN OIL CO	500 GALLONS DIESEL	Fuel	100-43101-2230	2,055.75
68090	DEHN OIL CO	180 GAL GASOLINE	Fuel	100-43101-2230	586.62
68090	DEHN OIL CO	350 GAL DIESEL	Fuel	100-43101-2230	1,456.11
68091	ELEVATE HOPE HOUSE	OVERCHARGED PERMIT 2026-	Surcharge	100-22801	74.00
68092	EVERGREEN RECYCLING LLC	SPRING MATTRESS RECYCLIN	Waste management & recycli	231-43601-3630	410.00
68093	FLEETPRIDE	#69 CONTROL VALVE	Vehicle parts & supplies	100-43101-2340	228.99
68093	FLEETPRIDE	E-1 COMB. BRAKE CHAMBER,	Vehicle parts & supplies	100-42201-2340	438.94
68093	FLEETPRIDE	E-1 COMB. BRAKE CHAMBERS	Vehicle parts & supplies	100-42201-2340	489.98
68093	FLEETPRIDE	#69 FLASHER	Vehicle parts & supplies	100-43101-2340	40.99
68094	GREAT RIVER ENERGY	CROSSTOWN SHOPPING CENT	Other professional services	431-43301-3190	15,638.53
68095	GWOKS	ROWEMAP SUPPORT 1/27 - 6	Prepaid expense	100-15501	76.50
68095	GWOKS	SIMPLESIGNS SUPPORT 1/27 -	Prepaid expense	100-15501	227.50
68095	GWOKS	SIMPLESIGNS SUPPORT 7/26 -	Computer & software support	100-43401-3120	227.50
68095	GWOKS	ROWEMAP SUPPORT 7/26 - 1	Computer & software support	100-43401-3120	76.50
68096	HAM LAKE HARDWARE INC	FIRE #1 1 GAL GARDEN SPRAY	Operating supplies	100-42201-2290	43.98
68097	LINCOLN NATIONAL LIFE INSU	JUNE LT DISABILITY	STD/LTD	100-21713	927.18
68098	MACQUEEN EQUIPMENT/MA	#68 ROLL PIN, SCREW COLLAR	Equipment parts & supplies	100-43101-2320	54.64
68099	MENARDS-BLAINE	FISHING PIER BOARDS & SCRE	Operating supplies	100-44101-2290	39.09
68099	MENARDS-BLAINE	CABLE CLAMP, BLEACH, TRIM	Operating supplies	100-44101-2290	49.71
68099	MENARDS-BLAINE	SWIFFER SUPPLIES, TRASH BA	Operating supplies	100-44101-2290	97.78
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-41201-2510	47.53
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-41301-2510	37.43
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-41401-2510	64.75
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-41601-2510	27.33

Council Approval List

Payment Dates: 5/5/2026 - 5/18/2026

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
68100	METRO - INET	PHONES	Phones/radios/pagers	100-41701-3210	106.84
68100	METRO - INET	IT SUPPORT	Computer & software support	100-41707-3120	3,751.60
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-42201-2510	64.75
68100	METRO - INET	IT SUPPORT	Computer & software support	100-42201-3120	1,612.16
68100	METRO - INET	PHONES	Phones/radios/pagers	100-42201-3210	44.52
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-42401-2510	112.28
68100	METRO - INET	IT SUPPORT	Computer & software support	100-42401-3120	980.96
68100	METRO - INET	PHONES	Phones/radios/pagers	100-42401-3210	53.42
68100	METRO - INET	LASERFICHE & ADOBE LICENS	Software licenses & upgrades	100-43101-2510	26.93
68100	METRO - INET	IT SUPPORT	Computer & software support	100-43101-3120	995.28
68100	METRO - INET	PHONES	Phones/radios/pagers	100-43101-3210	26.71
68100	METRO - INET	PHONES	Phones/radios/pagers	100-44101-3210	8.90
68100	METRO - INET	PHONES	Phones/radios/pagers	100-44201-3210	35.61
68102	MINNESOTA EQUIPMENT	CHAINSAW PARTS	Equipment parts & supplies	100-43101-2320	176.97
68102	MINNESOTA EQUIPMENT	MOWER BLADES	Equipment parts & supplies	100-44101-2320	34.80
68103	MINNESOTA OCCUPATIONAL	FIRE EXAM - DH	Personnel testing & recruitme	100-42201-3150	618.00
68104	MN PEIP	JUNE HEALTH INSURANCE	Health Insurance	100-21710	10,311.44
68105	NCPERS GROUP LIFE INSURAN	JUNE LIFE	Life Insurance	100-21714	96.00
68106	NEWMAN TRAFFIC SIGNS INC	ROUND POSTS	Street signs	100-43401-2250	754.59
68106	NEWMAN TRAFFIC SIGNS INC	SIGN BLANKS	Street signs	100-43401-2250	410.94
68107	NORTHLAND CHEMICAL CORP	TOILET BOWL CLEANER, HAN	Operating supplies	100-44101-2290	297.47
68108	NORTHWEST FAMILY PHYSICI	MRO READING - DH	Personnel testing & recruitme	100-42201-3150	27.00
68109	ON-LINE RETRIEVERS	APRIL ANIMAL CONTROL	Other professional services	100-42501-3190	400.00
68110	PREMIUM WATERS INC	APR WATER	Equipment rentals	100-41701-3320	17.85
68110	PREMIUM WATERS INC	MAY WATER COOLER RENTAL	Equipment rentals	100-41701-3320	14.00
68111	PRINT CENTRAL	BUSINESS CARDS - MH	Office supplies	100-41601-2110	33.00
68112	PTL TIRE INC	#65 TIRE REPAIR	Equipment repair & maintena	100-44101-3440	41.84
68113	S & S INDUSTRIAL SUPPLY INC	HITCH PINS	Operating supplies	100-43101-2290	16.11
68114	SITEONE LANDSCAPE SUPPLY	HERBICIDE	Operating supplies	100-44101-2290	76.98
68115	TURFWERKS	#65 WLDMT	Equipment parts & supplies	100-44101-2320	304.86
68116	WITMER PUBLIC SAFETY GRO	FIREFIGHTING GLOVES	Clothing & personal protectiv	100-42201-2210	622.81
68117	XCEL ENERGY	APR/MAY FIRE #3 NATURAL G	Natural gas	100-42202-3620	48.56
68118	ZARNOTH BRUSH WORKS, INC	#64 BROOM	Equipment parts & supplies	100-44101-2320	602.00
DFT0003081	IRS-Payroll Tax	Federal Withholding	Federal WH/FICA/MC	100-21701	6,511.65
DFT0003081	IRS-Payroll Tax	Medicare Payable	Federal WH/FICA/MC	100-21701	2,193.76
DFT0003081	IRS-Payroll Tax	Social Security Payable	Federal WH/FICA/MC	100-21701	8,749.80
DFT0003082	MN STATE DEPT OF REVENUE-	MN State Withholding	State W/H	100-21702	2,925.90
DFT0003083	PERA	Retirement-Coordinated	PERA	100-21703	7,732.14
DFT0003083	PERA	Retirement-Elected Officials	PERA	100-21703	40.84
DFT0003083	PERA	Retirement-Police & Fire	PERA	100-21703	1,378.28
DFT0003084	VOYA	Deferred Compensation	Deferred compensation	100-21704	2,735.00
DFT0003084	VOYA	Roth IRA	Deferred compensation	100-21704	300.00
Grand Total:					160,184.48

Report Summary

Fund Summary

Fund	Payment Amount
100 - GENERAL	112,550.34
230 - FUTURE DRAINAGE	3,119.63
231 - RECYCLING	1,057.88
232 - STREET LIGHT	5,419.94
262 - HAM LAKE EDA	1,676.64
431 - REVOLVING STREET	30,791.63
890 - TRUST FUND	5,568.42
Grand Total:	160,184.48

Account Summary

Account Number	Account Name	Payment Amount
100-11503	Other Misc Receivables	25.08
100-15501	Prepaid expense	304.00
100-21701	Federal WH/FICA/MC	17,455.21
100-21702	State W/H	2,925.90
100-21703	PERA	9,151.26
100-21704	Deferred compensation	3,035.00
100-21710	Health Insurance	10,311.44
100-21713	STD/LTD	927.18
100-21714	Life Insurance	306.28
100-21715	Vision Insurance	37.00
100-22801	Surcharge	74.00
100-41101-3110	Attorney	244.77
100-41101-3135	Engineering	31.19
100-41101-3950	Legal notices/publicatio	101.12
100-41102-3110	Attorney	349.66
100-41102-3135	Engineering	1,216.44
100-41201-2510	Software licenses & upgr	47.53
100-41301-2510	Software licenses & upgr	37.43
100-41301-3960	Mileage	105.13
100-41401-2510	Software licenses & upgr	64.75
100-41401-3510	Training/conferences/sc	125.00
100-41402-3115	Audit & actuarial service	20,000.00
100-41501-3110	Attorney	7,102.73
100-41601-2110	Office supplies	33.00
100-41601-2510	Software licenses & upgr	27.33
100-41601-3110	Attorney	646.87
100-41601-3135	Engineering	280.71
100-41701-2240	Safety supplies	28.07
100-41701-3190	Other professional servi	1,000.00
100-41701-3210	Phones/radios/pagers	106.84
100-41701-3320	Equipment rentals	192.80
100-41702-3610	Electricity	911.39
100-41702-3620	Natural gas	342.54
100-41703-3610	Electricity	293.54
100-41707-3120	Computer & software su	3,751.60
100-41707-3220	Internet & website	50.00
100-42201-2210	Clothing & personal prot	716.47
100-42201-2240	Safety supplies	22.59
100-42201-2290	Operating supplies	43.98
100-42201-2340	Vehicle parts & supplies	928.92
100-42201-2510	Software licenses & upgr	64.75
100-42201-3120	Computer & software su	1,612.16
100-42201-3150	Personnel testing & recr	677.46
100-42201-3210	Phones/radios/pagers	233.53
100-42201-3220	Internet	569.30
100-42201-3510	Training/conferences/sc	362.76

Account Summary

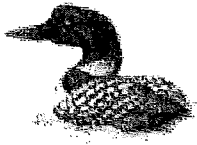
Account Number	Account Name	Payment Amount
100-42201-3530	Training supplies	97.31
100-42201-3960	Mileage	92.80
100-42202-3610	Electricity	1,155.97
100-42202-3620	Natural gas	534.66
100-42302-3610	Electricity	70.20
100-42401-2510	Software licenses & upgr	112.28
100-42401-3110	Attorney	262.24
100-42401-3120	Computer & software su	980.96
100-42401-3210	Phones/radios/pagers	53.42
100-42501-3190	Other professional servi	400.00
100-43101-2210	Clothing & personal prot	257.36
100-43101-2230	Fuel	4,098.48
100-43101-2240	Safety supplies	7.53
100-43101-2290	Operating supplies	249.92
100-43101-2320	Equipment parts & suppl	231.61
100-43101-2340	Vehicle parts & supplies	318.43
100-43101-2510	Software licenses & upgr	26.93
100-43101-3120	Computer & software su	995.28
100-43101-3210	Phones/radios/pagers	26.71
100-43101-3220	Internet & website	50.00
100-43101-3470	Vehicle repair & mainten	5,007.67
100-43104-3610	Electricity	1,025.17
100-43104-3620	Natural gas	831.92
100-43401-2250	Street signs	1,293.48
100-43401-3120	Computer & software su	304.00
100-43401-3610	Electricity	1,018.66
100-43501-3135	Engineering - ROW	1,325.28
100-44101-2210	Clothing & personal prot	118.08
100-44101-2240	Safety supplies	65.53
100-44101-2290	Operating supplies	1,704.63
100-44101-2320	Equipment parts & suppl	941.66
100-44101-3210	Phones/radios/pagers	8.90
100-44101-3440	Equipment repair & mai	41.84
100-44101-3610	Electricity	389.40
100-44102-3610	Electricity	240.33
100-44102-3620	Natural gas	585.66
100-44201-2240	Safety supplies	7.53
100-44201-3210	Phones/radios/pagers	35.61
100-44202-3610	Electricity	468.44
100-44202-3620	Natural gas	184.45
100-48101-4150	Reimbursable expense	55.30
230-43201-3135	Engineering	3,119.63
231-43601-3630	Waste management & r	1,057.88
232-43701-3610	Electricity	5,419.94
262-46101-3110	Attorney	297.21
262-46101-3135	Engineering	1,379.43
431-43301-3110	Attorney	1,992.92
431-43301-3135	Engineering	13,160.18
431-43301-3190	Other professional servi	15,638.53
890-90001-3110	Attorney	589.96
890-90001-3135	Engineering	4,924.74
890-90001-3950	Legal notices/publicatio	53.72
	Grand Total:	160,184.48

Project Account Summary

Project Account Key	Payment Amount
None	126,658.33
202111-100	1,379.43

Project Account Summary

Project Account Key	Payment Amount
202205-100	2,759.44
202205-150	16,914.63
202502.078-100	77.98
202502.57-100	1,483.58
202505-100	1,341.31
202509-100	6,219.03
231002001	410.00
231009001	385.84
231010001	262.04
MISC-100	2,292.87
Grand Total:	160,184.48



City of Ham Lake, MN

EFT Payroll Check Register

Report Summary

Pay Period: 4/26/2026-5/9/2026

Packet: PYPKT01892 - PPE 05/09/26 PAID 05/15/26

Payroll Set: City of Ham Lake - 01

Type	Count	Amount
Regular Checks	0	0.00
Manual Checks	0	0.00
Reversals	0	0.00
Voided Checks	0	0.00
Direct Deposits	76	52,607.96
Total	76	52,607.96

ORDINANCE NO. 26-XX

AN ORDINANCE AMENDING A PORTION OF CHAPTER 9 OF THE CITY OF HAM LAKE, COUNTY OF ANOKA, STATE OF MINNESOTA.

The City Council of the City of Ham Lake does hereby ordain as follows, pursuant to Article 9 of the Ham Lake City Code.

That the zoning classification for the following described property situated in the City of Ham Lake, Anoka County, Minnesota is hereby designated from R-AH (Affordable Housing District) to R-1 (Single Family Residential) 1016 Bunker Lake Boulevard NE in Section 32.

The west 345 feet of the North 400 feet of the West half of the Southwest Quarter of Section 32, Township 32, Range 23, Anoka County, Minnesota.

Presented to the Ham Lake City Council on May 4, 2026 and adopted by a unanimous vote this 18th day of May, 2026.

Brian Kirkham, Mayor

Denise Webster, City Clerk

Meeting Date: May 18, 2026



***CITY OF HAM LAKE
STAFF REPORT***

To: Mayor and Councilmembers

From: Dawnette Shimek, Deputy City Clerk

Item/Title/Subject: Temporary One-Day Liquor License for Freedom Fest

Introduction/Discussion: Attached is an application from the Ham Lake Lions requesting a Temporary One-Day Liquor License at Lion's Park, 1220 157th Avenue NE, Ham Lake, Minnesota, on Saturday, June 27, 2026.

Recommendation: I recommend approval of the Temporary One-Day Liquor License for the Ham Lake Lion's for Saturday, June 27, 2026.

Receipt # 105848 \$25.00 Fee

**APPLICATION FOR TEMPORARY ONE-DAY ON-SALE/OFF-SALE
3.2 PERCENT MALT LIQUOR**

TO: Ham Lake City Council
Of the City of Ham Lake
County of Anoka, State of Minnesota

Mark Landwehr, whose name and address is subscribed hereto, hereby make application for an On sale/Off sale license to sell 3.2 percent malt liquor on those certain premises in the City of Ham Lake, County of Anoka, State of Minnesota known and described as follows: Lion's Park, 1220 157th Avenue NE, Ham Lake MN, in connection with the Ham Lake Lion's (non-profit) business there now and therefore conducted by said applicants since 1985.

Applicant states and represents:

(a – if an individual or partnership) That they are a citizen of the United States of America, who is of good moral character and repute and has attained the age of twenty-one years and who is proprietor of the establishment for which this license is applied.

(b – if a corporation) That it is a corporation organized under the laws of Minnesota. That said corporation is an affiliate or subsidiary of the _____ . That the application is made on behalf of said corporation by the undersigned (officer of manager)

(c – if a club or charitable, religious or other non-profit corporation that has existed for at least three years) That it is a bona fid club and is an organization for social or business purposes – or for intellectual improvement – or for the promotion of sports – where the serving of such 3.2 percent malt liquor is incidental and not the major purpose of the club.

Date of event: Saturday, June 27, 2026

The applicant represents that no manufacturer or wholesaler of 3.2 percent malt liquor has any ownership, in whole or in part, in the business of applicant.

Applicant herein agrees to abide and be governed by all rules and regulations of the municipality and all laws of the state pertaining to the sale of 3.2 percent malt liquor.

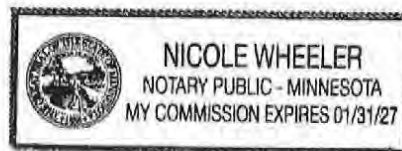
Mark Landwehr (Name)
72 170th Avenue NW (Address)
Andover, MN 55304

STATE OF MINNESOTA
COUNTY OF ANOKA

Mark Landwehr being duly sworn on oath says that he/she is the person who made and signed the foregoing application, that he/she has read said application and knows the contents thereof, and that the same is true of his/her own knowledge.

Mark Landwehr

Subscribed and sworn to before me this
12th day of May, 2026.
Nicole Wheeler
(Notary Public)



Meeting Date: May 18, 2026



**CITY OF HAM LAKE
STAFF REPORT**

To: Mayor and Councilmembers

From: Dawnette Shimek, Deputy City Clerk

Item/Title/Subject: Vacation of a portion of drainage and utility easements on Lot 3, Block 3, Hidden Forest East Fourth Addition.

Introduction/Discussion:

Jeff Stalberger has made a request to vacate a portion of drainage and utility easement on Lot 3, Block 3, Hidden Forest East Fourth Addition (14810 Packard Street NE). Engineer Krugler has reviewed the legal descriptions and has no issue with this vacation being there is no public use for the easements.

Recommendation:

I recommend approval of a Resolution scheduling a Public Hearing for June 15, 2026 to vacate a portion of drainage and utility easements on Lot 3, Block 3, Hidden Forest East Fourth Addition (14810 Packard Street NE).

RESOLUTION NO. 26-XX

WHEREAS, the Ham Lake City Council, on its own motion, wishes to consider the vacation of the following described land in the City of Ham Lake, pursuant to Minnesota Statutes Chapter 412.851:

PROPOSED EASEMENT VACATION DESCRIPTION:

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

Commencing at the southeast corner of said Lot 3, Block 3; thence on an assumed bearing of South 72 degree 17 minutes 01 second West, along the southeasterly line of said Lot 3, Block 3, a distance of 293.70 feet; thence North 37 degrees 19 minutes 49 seconds West a distance of 10.62 feet to the point of beginning of the easement to be described; thence continuing North 37 degrees 19 minutes 49 seconds West a distance of 137.49 feet; thence North 73 degrees 10 minutes 51 seconds East a distance of 81.07 feet to a point hereinafter referenced to as "POINT A"; thence South 24 degrees 20 minutes 57 seconds West a distance of 38.83 feet; thence South 12 degrees 36 minutes 12 seconds East a distance of 99.82 feet to said point of beginning.

AND

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

Commencing at the aforementioned "POINT A"; thence North 73 degrees 10 minutes 51 seconds East a distance of 81.07 feet to the point of beginning of the easement to be described; thence North 51 degrees 01 minute 45 seconds East a distance of 94.95 feet; thence North 69 degrees 13 minutes 28 seconds East a distance of 14.29 feet; thence South 37 degrees 21 minutes 38 seconds West a distance of 59.87 feet; thence South 42 degrees 43 minutes 37 seconds West a distance of 21.92 feet; thence South 88 degrees 14 minutes 55 seconds West a distance of 36.00 feet to said point of beginning.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Ham Lake, that the City Clerk is directed to post in a conspicuous place in the City Hall between the dates of May 21, 2026 and June 15, 2026 and to cause publication of a NOTICE OF PUBLIC HEARING, a copy of which is attached to this Resolution, for a public hearing to be held on June 15, 2026, with publication to occur in the Star Tribune on May 21, 2026 and May 28, 2026.

Adopted by the City Council of the City of Ham Lake on this 18th day of May, 2026.

Brian Kirkham, Mayor

Denise Webster, City Clerk

NOTICE OF PUBLIC HEARING
VACATION OF PUBLIC LAND

NOTICE IS HEREBY GIVEN, that a Public Hearing will be held before the Ham Lake City Council on June 15, 2026 at 6:01 p.m. in the City Council Chambers, City Hall, 15544 Central Avenue NE, Ham Lake, Minnesota 55304, to hear comments and questions concerning the proposed vacation of the following described land within the City of Ham Lake, Minnesota:

PROPOSED EASEMENT VACATION DESCRIPTION:

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

Commencing at the southeast corner of said Lot 3, Block 3; thence on an assumed bearing of South 72 degree 17 minutes 01 second West, along the southeasterly line of said Lot 3, Block 3, a distance of 293.70 feet; thence North 37 degrees 19 minutes 49 seconds West a distance of 10.62 feet to the point of beginning of the easement to be described; thence continuing North 37 degrees 19 minutes 49 seconds West a distance of 137.49 feet; thence North 73 degrees 10 minutes 51 seconds East a distance of 81.07 feet to a point hereinafter referenced to as "POINT A"; thence South 24 degrees 20 minutes 57 seconds West a distance of 38.83 feet; thence South 12 degrees 36 minutes 12 seconds East a distance of 99.82 feet to said point of beginning.

AND

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

Commencing at the aforementioned "POINT A"; thence North 73 degrees 10 minutes 51 seconds East a distance of 81.07 feet to the point of beginning of the easement to be described; thence North 51 degrees 01 minute 45 seconds East a distance of 94.95 feet; thence North 69 degrees 13 minutes 28 seconds East a distance of 14.29 feet; thence South 37 degrees 21 minutes 38 seconds West a distance of 59.87 feet; thence South 42 degrees 43 minutes 37 seconds West a distance of 21.92 feet; thence South 88 degrees 14 minutes 55 seconds West a distance of 36.00 feet to said point of beginning.

Said hearing is conducted pursuant to Minnesota Statutes Chapter 412.851.

Dated: May 21, 2026

Dawnette Shimek, Deputy City Clerk

Posted at City Hall between the dates of May 21, 2026 and June 15, 2026.

Published in the Star Tribune on May 21, 2026 and May 28, 2026.



\$650⁰⁰
4/30/26
RT #0105732

CITY OF HAM LAKE

REQUEST FOR AN APPEARANCE BEFORE THE CITY COUNCIL

15544 Central Avenue NE
Ham Lake, MN 55304
Phone (763) 434-9555
Fax (763) 434-9599

Date of Application 2/20/25

Date of City Council appearance _____

60-day review deadline _____

APPLICANT'S NAME Jeffrey Stalberger

STREET ADDRESS 3399 185th Ave NE

CITY, STATE ZIP East Bethel, MN 55092

PHONE (daytime) 612-799-1471

NATURE OF REQUEST

Vacating easement on Lot 3 Block 3 Hidden Forest East 4th Addition

(14810 Packard St. NE)

You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.

 Jeffrey Stalberger

02/19/25

Signature of Applicant

Date

Please attach any relevant information including maps, diagrams, and/or a descriptive narrative.

This form must be submitted to the City staff by 4:00 p.m. on the Monday prior to the Council meeting at which you will be appearing.



**NOTICE TO ALL APPLICANTS FOR MUNICIPAL
PERMITS, LICENSES,
OR OTHER MUNICIPAL ACTION**

- 1. If you are requesting municipal action on any request for any of the above, you will be required to furnish certain information about yourself, the project you are involved in, or other matters pertaining to the subject. Some of the information you are asked to provide is classified by state law as either private or confidential. Private data is information which generally cannot be given to the public but can be given to the subject of the data. Confidential data is information which generally cannot be given to either the public or the subject of the data.**
- 2. The purpose of this information is to enable the City Staff, Commissions, Council or other government agencies to evaluate relevant factors in considering your request. You are not legally required to provide this information. If you do not provide the requested information, the City may not act upon your request.**
- 3. The information you supply will be public and available to any entity requesting to inspect the information.**

**DATA PRACTICES ADVISORY
TENNESSEN WARNING**

REQUIRED BY MINNESOTA STATUTES CHAPTER 13.04

SIGNED BY

AuthentSign
Jeffrey Stalberger

COMPANY/TITLE: Co-administrator HFN Properties

DATE: 02/19/25


**CITY OF HAM LAKE
ACKNOWLEDGMENT OF RESPONSIBILITY
TO REIMBURSE EXPENSES**

The undersigned, Jeffrey Stalberger, having applied to the City of Ham Lake for consideration of a planning and zoning request, or any other permit, license, or action requiring review and/or approval of the City, as follows:

Vacating drainage and utility easement

Type of Application

acknowledges that the sum of \$ _____, has been deposited with the City of Ham Lake to reimburse the City of Ham Lake for any out of pocket expenses incurred by the City in reviewing the proposal, including but not limited to a staff review fee, any signage required by ordinance, and City Engineer and City Attorney's fees for their review, in amounts which are not known to the City at this time. The applicant acknowledges that it is the responsibility of the undersigned to reimburse the City for any such engineering or attorney's fees incurred in review of the applicant's request, or any other expenses incurred by the City in connection with this requires, and further acknowledges that in the event that the undersigned fails to promptly remit any amounts incurred by the City in excess of the deposit, the City shall have the right to discontinue further consideration or action upon the undersigned's request, shall have the right to rescind any approvals, withdraw any permits, licenses or other consents, shall have the right to vacate any street or road, plat or other dedication, and the undersigned waives the right to claim damages arising out of any such act by the City. Furthermore, the applicant agrees that in the event that the City is required to take legal action in order to effect recovery of any of the expenses incurred by the City from the undersigned, the City shall be entitled, in addition to principle and interest, to recover its reasonable attorney's fees incurred in collecting said sums from the undersigned.

Applicant Signature  Dated 02/19/25

The following statement must be signed if the applicant is not the property owner:

Ben Ollila, as owner of the property involved in the foregoing application, agrees to be jointly and severally liable for payment of the foregoing fees.

Property Owner Signature  Dated 02/19/25

EXHIBIT A

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

Commencing at the southeast corner of said Lot 3, Block 3; thence on an assumed bearing of South 72 degree 17 minutes 01 second West, along the southeasterly line of said Lot 3, Block 3, a distance of 293.70 feet; thence North 37 degrees 19 minutes 49 seconds West a distance of 10.62 feet to the point of beginning of the easement to be described; thence continuing North 37 degrees 19 minutes 49 seconds West a distance of 137.49 feet; thence North 73 degrees 10 minutes 51 seconds East a distance of 81.07 feet to a point hereinafter referenced to as "POINT A"; thence South 24 degrees 20 minutes 57 seconds West a distance of 38.83 feet; thence South 12 degrees 36 minutes 12 seconds East a distance of 99.82 feet to said point of beginning.

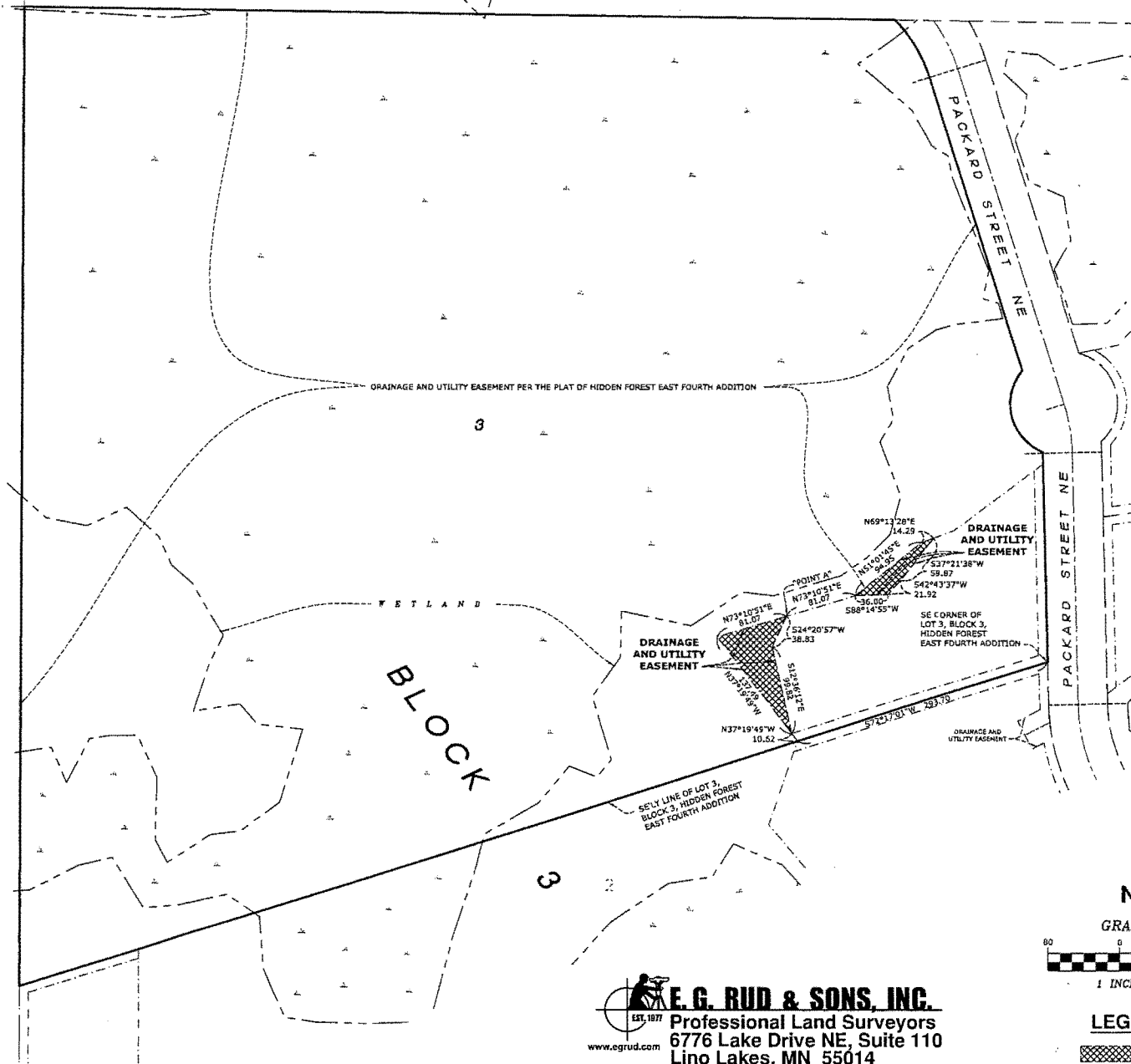
AND

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SKETCH AND DESCRIPTION

~for~ **HFN PROPERTIES, LLC**
 ~of~ **DRAINAGE AND UTILITY EASEMENT**
14810 PACKARD STREET N.E.
HAM LAKE, MN



PROPERTY DESCRIPTION

Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota.

DESCRIPTION OF DRAINAGE AND UTILITY EASEMENT FOR LOT 3, BLOCK 3, HIDDEN FOREST EAST FOURTH ADDITION

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

Commencing at the southeast corner of said Lot 3, Block 3; thence on an assumed bearing of South 72 degree 17 minutes 01 second West, along the southeasterly line of said Lot 3, Block 3, a distance of 293.70 feet; thence North 37 degrees 19 minutes 49 seconds West a distance of 10.62 feet to the point of beginning of the easement to be described; thence continuing North 37 degrees 19 minutes 49 seconds West a distance of 137.49 feet; thence North 73 degrees 10 minutes 51 seconds East a distance of 81.07 feet to a point hereinafter referred to as "POINT A"; thence South 24 degrees 20 minutes 57 seconds West a distance of 38.83 feet; thence South 12 degrees 36 minutes 12 seconds East a distance of 99.82 feet to said point of beginning.

AND

A perpetual easement for drainage and utility purposes over, under and across that part of Lot 3, Block 3, HIDDEN FOREST EAST FOURTH ADDITION, Anoka County, Minnesota, described as follows:

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LIVABILITY NOTES

REVISED YARD AREA = 30,545± SQ. FT.
 BUILDING PAD AREA = 11,065± SQ. FT.
 SEPTIC AREA = 8,217± SQ. FT.

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

JASDN E. RUD
 Date: 02/08/24 License No. 41578

NORTH

GRAPHIC SCALE



1 INCH = 80 FEET

LEGEND

DENOTES DRAINAGE AND UTILITY EASEMENT (TOTAL AREA = 5,446 ± S.F.)

E. G. RUD & SONS, INC.
 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55014
 Tel. (651) 361-8200 Fax (651) 361-8701

DRAWN BY: JEN	JOB NO: 210452PP	DATE: 02/08/24	
CHECK BY: JER	FIELD CREW: N/A		
1			
2			
3			
NO.	DATE	DESCRIPTION	BY

Meeting Date: May 18, 2026

CITY OF HAM LAKE
STAFF REPORT

To: Mayor and Councilmembers

From: John Witkowski, Public Works Superintendent


Subject: Hiring Seasonal Maintenance Workers

Introduction: I am recommending the hiring of one Public Works part-time seasonal maintenance worker. At this time, we are still actively seeking applicants, and in the future, may recommend additional personnel to fill open spots.

Recommendation: Listed below is the individual that is being recommended for the Public Works part-time seasonal maintenance position.

Michael Richmond is a returning employee at a pay rate of \$16.00 per hour.

MemorandumOffice (763) 862-8000
Fax (763) 862-8042

Date: May 13, 2026
To: Mayor and Councilmembers
From: David A. Krugler, City Engineer 
Subject: Article 11-600 Excavations and Reclamation

Introduction:

The City had 20 different Anoka Sand mining operations occur between 1990 and 2005. In 2006, the City determined that a disproportionate amount of mining had been allowed within City limits compared to other cities. Ordinance 07-10 and 07-14 were introduced to help protect the City's remaining good buildable land and was codified in 2007 through a modified version of Article 11-600.

Discussion:

In 2006, the City Council commissioned an Excavation Task Force to evaluate the extensive amount of excavation occurring within the City. Because the City does not provide municipal sewer and water services, it was determined to be imperative that suitable buildable land remain available for residential development rather than be removed through mining activities. As a result, the City Council established Mining Overlay Districts to limit mining activities to areas where standard Individual Sewage Treatment Systems (ISTS) cannot reasonably be installed. These Mining Overlay Districts were adopted through Ordinance 07-14 and consist of areas where soils do not comply with Minnesota State Rules 7080.1720. The definition was revised to more clearly reflect the original purpose and policy basis for the Mining Overlay Districts.

Article 11-600 outlines three different excavation classifications: Small Private Pond, Private Pond, and Excavation For Transport. A private pond is defined for the purpose of creating an aesthetic appearance, wildlife habitat or retention pond, which is not intended for public use. A Small Private Pond was defined as an excavation limited to 2,000 square feet in area and did not require a City Permit. Excavation For Transport activities were required to be associated with a bona fide subdivision project.

Article 11-630 is currently vague regarding the requirements for Private Pond excavations and appears to imply that the same application and review process required for an Excavation For Transport permit also applies to a Private Pond excavation. This appears excessive given the differing scale and intent of the uses, and additional language is warranted to better define and limit the requirements applicable to Private Ponds. The proposed amendments are intended to distinguish between limited residential excavation activities and large-scale Excavation For Transport operations, recognizing the substantially different scale, duration, traffic generation, and potential environmental impacts associated with each. The proposed amendments are also intended to clarify ordinance administration and provide more predictable standards for applicants, staff, and residents

while maintaining the original policy objectives established by the City in 2007. This revision also retains the City's authority to impose operational conditions, require restoration and financial assurances, regulate hauling activity, and deny projects that pose environmental, traffic, or land use compatibility concerns. The amendments also align environmental review requirements with State Rule 4410.4300 regarding when an Environmental Assessment Worksheet is required.

Private Ponds are further limited to 40,000 cubic yards of excavation and must be located within the Mining Overlay District. The required resident notification area is also reduced to 500 feet. In addition, the pond must functionally and visually appear to be intended for private use and serve as a complement to the residential setting in which it is created, rather than resemble a commercial mining operation. Limiting Private Ponds to this size is intended to reduce the potential impacts on neighboring wells and help ensure continued availability of safe drinking water for adjacent properties.

Additional language was also added to 11-640 to clarify that excavation activities are classified based on the actual scale and operational characteristics of the activity, rather than solely on the stated purpose of the excavation. The amendments also corrects erroneous references and outdated County Highway callouts within Section 11-651.

Recommendation:

It is recommended that the attached ordinance amendments to Article 11-600 be adopted to clarify and update the standards applicable to Private Ponds and Excavation For Transport activities within the Mining Overlay Districts.

ORDINANCE NO. 26-XX

An Ordinance amending ARTICLE 11-600, EXCAVATION AND RECLAMATION, relating to Excavations of Land in the City of Ham Lake.

Be it ordained by the City Council of the City of Ham Lake, Anoka County, Minnesota, as follows:

I. The City Council of the City of Ham Lake makes the following Legislative Findings of Fact:

A. The City of Ham Lake has no municipal water delivery system, and its citizens rely entirely on private wells for potable water supplies; this situation is not intended to change, and is a permanent part of the Ham Lake landscape. "Draw-down" effects of large excavations may encourage the lateral migration of groundwater and a concomitant introduction of undesirable elements into the groundwater supplies;

B. The continued practice of permitting large excavations featuring the removal of excavated material from upland areas depletes the available supply of land for housing, increasing the demand for the usage of less suitable soils for housing, and poses a potential threat to the public health, safety and welfare of the general population.

C. While there is a need for supplying fill material for various public and private construction projects, meeting that need must be shared by more than one municipality in order to avoid unnecessary stress on local infrastructure and quiet enjoyment of property;

D. A private pond is defined within the existing Ham Lake City Code is excessively restrictive for the scope of the work being completed.

II. Article 11-600 of the Ham Lake City Code is hereby repealed, to be replaced by the following Article 11-600.

11-600 Excavations and Reclamation

11-610 Definitions The following definitions shall apply to this Article 11-600:

- a) Excavation - the removal of soil in a manner intended to create a permanent or temporary hole in the ground, or removal of soil that has been stockpiled above the normal grade of the ground. Notwithstanding the foregoing, the removal and/or transport of soil, rock, sand, gravel, clay or other granular material that is stockpiled or to be stockpiled as inventory for sale at any landscaping business that is lawfully operating in the City shall not be considered "Excavation" nor shall it be considered "Excavation for

Transport". All such activities shall be in compliance with the requirements of Articles 11-1900 and 11-2000 of the Ham Lake City Code.

b) Bona Fide Subdivision - a land development in which an applicant is dividing land for resale or reconveyance under Article 10 of the Ham Lake City Code, ~~either~~ by platting ~~or by lot split~~.

c) Private Pond - an excavation made for the purpose of creating an aesthetic appearance, wildlife habitat or retention pond, which is not intended for any public usage, provided, that a pond created in a Bona Fide Subdivision which is primarily intended for stormwater retention or desiltation is not a Private Pond.

d) Marginal Lands - State classified wetlands, unclassified wetlands bearing the characteristics of classified wetlands, marshes, bogs, fens, peat land, ditches, ponds, lakes, streams, creeks, sod fields, or other land incapable of housing dwelling units or commercial buildings by reason of unsuitable soils for Individual Sewage Treatment Systems (ISTS).

e) Pond Perimeter - The outside edge of the anticipated normal high water level of a pond, as determined by the City's engineer.

f) Small Private Pond - a Private Pond which has a maximum area of 2000 square feet, as measured at the Pond Perimeter

g) Excavation for Transport - The practice of removing soil for transport from the land parcel from which the excavation occurs.

h) Land Reclamation - A project in which excavation is to occur, but the excavated area is to be filled with other soil, which is to be obtained on site or which must be transported to the site.

i) Mining Overlay Districts - The areas within the City that contain unsuitable soils for a Type I ISTS system but contain soils suitable for mining through excavations of the nature contemplated by this Code shall be considered Mining Overlay Districts, to be established from time to time by ordinance as a part of the zoning code and zoning classification for those particular tracts. The Mining Overlay Districts shall be identified on the official City zoning map provided in Article 9 of the Ham Lake City Code.

j) Mining Precincts - Specific geographic areas of the City that are established by Article created when warranted ~~from time to time~~ by resolution of the Ham Lake City Council for the purpose of establishing spatial controls over mining operations.

k) Access Roads - Roadways of at least 9 tons bearing capacity that are located adjacent to mining projects, and used as the exclusive routes into and out of the sites.

11-620 Permissible Excavations (No Municipal Excavation Permit Required)

The following types of excavations shall be allowed (assuming compliance with regulatory provisions of all jurisdictions, such as building permit issuance, watershed, DNR or Corps of Engineers approvals, and the like), without the need for any municipal permit for the excavation itself:

- a) Excavation of soil to create a basement, foundation or footings for any building, sign, or other structure, or in connection with the paving of any driveway, road, sidewalk, parking lot or tennis court;
- b) Excavation of soil to remove peat or other unsuitable soils, for replacement by suitable soil, such as in a land reclamation project, but in which no soil is being transported to or from the site;
- c) Excavation of soil in connection with the installation of any type of Individual Sewage Treatment System;
- d) Excavation on any public works project being performed by governmental employees or by agents under contract to a governmental agency pursuant to such a public works project being conducted on public or private lands, easements or rights of way;
- e) Landscaping projects by private landowners in which the excavation is to be filled with other solid material;
- f) Excavation of soil in connection with any Bona Fide Subdivision, but limited to excavation necessary to build roads or drainage ditches, grade lots, provide desiltation ponds, private ponds or to provide stormwater retention areas, and which are done in conformance with an approved grading and drainage plan which is a part of the platting process, and do not involve any Excavation for Transport;
- g) Routine agricultural activities, such as plowing, hoeing, discing and the stripping or harvesting of sod;
- h) The creation of small Private Ponds;
- i) Excavations which are necessary to effect repairs or provide structural stability to existing lakes or ponds, however created, provided, that no such excavation shall take place unless the project has been approved in writing by the City's building official after consultation with the City's engineer.

- j) Excavation by the owner (or authorized agent) of any ditch, culvert, utility or utility feature, including, without limitation, electrical, natural gas, cable television, gas pipeline, storm sewer, sanitary sewer line, telephone line, transmission tower or substation, in connection with the proper installation, repair or maintenance of such element.
- k) Excavations by the City of Ham Lake on lands or easements owned, leased, encumbered or otherwise controlled by the City.
- l) Land Reclamation of less than 400 cubic yards.

11-630 Standards for a Private Pond Excavations Requiring a Municipal Excavation Permit (“Regulated Excavations”)

Upon receipt of the application data required under Article 11-650, the City’s Engineer shall review and approve specifications provided by the applicant for slope, depth, erosion control, and other physical standards for excavation, in coordination with regulations established by other governmental jurisdictions, including, without limitation, any local watershed districts, the Minnesota Department of Natural Resources, the Minnesota Pollution Control Agency, and water or soil conservation services.

a) **Permit Required** - A Permit shall be required for any Private Pond greater than 2,000 square feet in area, as measured at the Pond Perimeter. Private Ponds regulated under this Section may be permitted on parcels where such use is accessory to a permitted principal use, within the Mining Overlay Districts as defined in Article 11-610, and subject to compliance with applicable zoning and environmental regulations. This Section shall apply only where the total volume of material excavated and transported from the site does not exceed 40,000 cubic yards. Any project exceeding this threshold shall be regulated under Article 11-640. Prior to issuance of a Permit, the application shall be reviewed by the Planning Commission and acted upon by the City Council. The City Council may require a written Development Agreement in connection with any permit. The issuance of a Permit by the City shall not be in lieu of any permit required by any other governmental agency, and it shall be the responsibility of the applicant to determine the need for, and to obtain, all such permits.

b) Conditions of Approval

- i) **Location** - Private Ponds may be permitted on any parcel where the use is accessory to a permitted principal use, subject to compliance with applicable zoning, setback, and environmental regulations. The City may impose reasonable setback distances to protect adjacent properties.
- ii) **Environmental Review** - Environmental review shall be conducted in accordance with applicable state rules. An Environmental Assessment Worksheet shall not be required unless mandatory thresholds are met or the City determines that the project,

due to its scale or location, has the potential for significant environmental effects.

iii) Time Limits - All permits shall be for a specific duration not to exceed twelve (12) months. The City may grant extensions where site conditions or other factors warrant. Work shall be deemed to have begun on the date when construction equipment is first placed on the property, or when the applicant notifies the City, whichever first occurs.

iv) Sanctions - All permits shall be subject to revocation for violation of terms and conditions. The City shall have the right to enforce stop-work orders where necessary to ensure compliance.

v) Payment of Costs - The Permittee shall be responsible to pay for all of the City's costs in reviewing any application, in monitoring compliance, and in enforcing any conditions.

vi) Traffic and Hauling - Limited hauling of material from the site may be permitted. The City may designate haul routes and restrict hauling hours as necessary. Turn lanes or major roadway improvements shall not be required unless deemed necessary by the City or Anoka County if located on a County Road.

vii) Maximum Volume - The City may establish a maximum total volume of material to be removed from the site. In no case shall the total volume exceed 40,000 cubic yards under this Section.

viii) Dust Control - The applicant shall implement measures to control dust on the site, including but not limited to watering or stabilization of exposed soils.

ix) Dewatering Controls - If excavation extends below the groundwater table, the City may require monitoring or testing of groundwater conditions. Monitoring wells and continuous monitoring shall not be required unless warranted by site conditions.

x) Noise Control - The City may require reasonable noise mitigation measures where construction activity impacts nearby properties.

xi) Hours - The City shall regulate the time of operation, but shall not permit construction activity or hauling outside of the hours of 7:00 a.m. to 7:00 p.m., Monday through Friday, excluding holidays. The City may allow limited Saturday work at its discretion.

xii) Restoration - The site shall be graded to stable slopes and all disturbed areas shall be stabilized and restored upon completion of the work.

xiii) Financial Guarantees - The City may require financial guarantees to ensure completion of the work, restoration of the site, and repair of any damage caused by the activity.

xiv) Additional Conditions - The City may impose additional conditions as necessary to protect public health, safety, and welfare.

c) Public Hearing - Prior to acting on any request for a permit, a public hearing shall be conducted by the Planning Commission, as determined by

the City. Notice of the public hearing shall be given to all owners of lands which abut the parcel or parcels upon which the excavation activity is to occur, as well as to the owners of all occupied structures within five hundred (500) feet of the property line perimeter of the parcel or parcels of land upon which the excavation activity is to occur. The City may require expanded notification where the scope of hauling or duration of the project warrants additional notice. "Excavation activity" includes the actual excavation area and any associated access routes or staging areas. The City may modify the required notification area based on the scale, duration, and anticipated off-site impacts of the project.

d) **Denial of Permit** - The City may deny the issuance of a permit if, following submission of the appropriate data, the City Council finds that the proposed activity:

- i) **Poses a significant threat of adverse environmental impact; or**
- ii) **Creates potential traffic safety hazards; or**
- iii) **Cannot meet the conditions of permit approval; or**
- iv) **Is fundamentally incompatible with nearby land uses.**

The following types of excavation shall be allowed only after issuance of a municipal excavation permit:

a) ~~Private Ponds that are not a part of a Bona Fide Subdivision;~~

b) ~~Excavations for Transport, including Excavations for Transport that are a part of a Bona Fide Subdivision;~~

e) ~~Land Reclamation of 400 cubic yards or greater, provided, that only one Land Reclamation project of less than 400 cubic yards shall be allowed without a permit on any parcel of record within any given 36 month period of time.~~

11-640 Standards for Excavations Requiring a Municipal Excavation Permit

Upon receipt of the application data required under Article 11-650, the City's engineer shall prepare review and approve specifications provided by the developer for slope, depth, erosion control and other physical standards for Regulated Excavation, in concert with regulations established by other governmental jurisdictions, including, without limitation, any local watersheds, Minnesota Department of Natural Resources, Minnesota Pollution Control Agency, and water or soil conservations services.

a) **Permit Required** - A Permit shall be required for any Regulated Excavation, Land Reclamation or Private Pond that exceeds the thresholds established in Articles 11-620 and 11-630. Regulated Excavations under this Section shall occur only within the Mining Overlay Districts and shall be conducted in conjunction with a Bona Fide Subdivision or other

approved development of the property. Prior to issuance of a Permit, the application shall be reviewed by the Planning Commission and acted upon by the City Council. The issuance of a Permit by the City shall not be in lieu of any permit required by any other governmental agency, and it shall be the responsibility of the applicant to determine the need for, and to obtain, all such permits. The City Council may require a written Development Agreement in connection with any permit.

b) Conditions of Approvals

i) Location - Regulated Excavations may occur only in the Mining Overlay Districts as defined in Article 11-610. All excavation activity shall be conducted ~~and only~~ in conjunction with a Bona Fide Subdivision or other approved development. The excavation plan shall be designed so as not to adversely affect the ability of the property or adjacent properties to be developed in accordance with applicable zoning regulations. The subdivision shall ~~which~~ meets or be subject to the following criteria:

aa) The subdivision shall contain at least one lot for each acre within the perimeter of the pond to be constructed on the site;

bb) The subdivision shall require no variances from lot sizes, frontages or cul-de-sac length;

cc) The City may impose reasonable setback distances in excavation projects so as to protect adjacent properties from unnecessary or undue interference due to noise or vibration from construction activity. In addition, where a project is located near land owned by entities other than the developer that is capable of future development, the excavation plans shall be accompanied by a ghost plat for such adjacent lands demonstrating that the excavation project does not permanently impair the ability of nearby property owners to subsequently develop their properties.

ii) Environmental Assessment Worksheet ("EAW") - for all Regulated Excavations in which the Pond Perimeter to be created is ~~greater than two acres in size,~~ an EAW shall be required where mandatory thresholds are met or where the City determines that the scale or location of the project has the potential for significant environmental effects. ~~which demonstrates that there is no significant likelihood of adverse environmental consequences as a result of the activity.~~ Every EAW shall require comprehensive

analysis and reporting on the following elements. In addition, for each element of the EAW, the written reports shall be prepared by qualified professionals that are bona fide experts in the field being reported upon, either as listed below or as determined in the sole judgment of the City staff.

aa) Projected Dewatering activity, including the proposed rate of dewatering, the cone of depression to be formed, the drawdown effects of the dewatering, and the methods proposed to monitor the effects of dewatering. Qualifications of author: Registered Professional Engineer specializing in the field of hydrology.

bb) Location and effect upon wildlife habitat and vegetation, including migration corridors. Qualifications of author: Bachelor's Degree in a field of Biology, Forestry or a related science.

cc) Ambient noise levels to be experienced during peak construction periods by adjoining properties, showing projected decibel levels from construction equipment and hauling trucks. Qualifications of author: Bachelor's Degree in a field related to acoustical engineering.

dd) Effects upon traffic on roads to be used to transport material. Qualifications of author: Registered Professional Engineer specializing in traffic engineering.

ee) Such other elements as may be appropriate to the individual project or as directed by the City.

iii) Time Limits - All permits shall be for a specific maximum duration, not to exceed three construction seasons, including post-excavation work, and if greater than one year, the permit shall be subject to annual renewal. Renewal shall be granted under the same conditions as for the previous year, but if any conditions of the permit were violated during the year, the City may decline to renew or may alter the conditions of the Permit. Permits may be conditioned upon the periodic cessation of all or some activities for given durations of time. Notwithstanding the foregoing, on request of the Developer at the time of permit approval, the City may grant a window of five years during which the permit may be activated a single time within 24 months of the approval date, but once activated, all work must be completed within 36 months from the time it begins, not to exceed five years from the permit approval date. Work will deem to have begun on a date when an item of

construction equipment is first placed on the property, or when the Developer notifies the City, whichever first occurs.

iv) Sanctions - In addition to the annual renewal sanctions allowable under Article 11-640(b)(iii) above, all permits shall be subject to revocation for violation of terms and conditions. Furthermore, it shall be a condition of each permit that all activities may be summarily suspended by the City at any given time, and the City shall have the right to enforce such stop-work orders by having direct access to the property and equipment used on the project.

v) Payment of Costs - the Permittee shall be responsible to pay for all of the City's costs in reviewing any application, in monitoring compliance, and in enforcing any conditions.

vi) Access Roads - No permit shall be granted for any project which must use public roads to transport material, if any such public roads to be used have a bearing capacity of less than nine tons. In addition, the specific roads that may be used to transport material shall be identified at the time that Mining Precincts are established, and once identified, it shall be unlawful for any person to depart from the designated transport roads while operating a vehicle regularly used to transport fill.

vii) Precinct Limitations - only one excavation permit (Private Pond or Excavation) may be in existence at any given time within a single Mining Precinct. Notwithstanding the foregoing language, no Mining Permit shall be issued for any excavation project where the outside perimeter of the proposed excavation is closer than two miles from the outside perimeter of any pre-existing excavation operating under a Mining Permit, regardless of whether or not the two operations are in different Mining Precincts. Where such conflicts arise, permits will be issued on a first-come, first served basis, and the latter project may not commence activity until the former project has been completed.

viii) Air-Braking - vehicles using Access Roads to and from excavation site shall refrain from using air braking systems (commonly referred to as "Jake-Braking").

ix) Haul Roads - Every excavation project shall maintain interior haul roads from the nearest 9-ton road to the outside perimeter of the excavated area. Interior haul roads shall be treated with water or environmentally safe chemicals and shall be properly maintained so as not to generate dust from the haul roads.

x) Dewatering Controls - Every excavation project shall install and maintain monitoring wells as designated by the City, having electronic controls capable of constant water level monitoring. Prior to commencing any dewatering activity, the Developer shall conduct such baseline studies of existing private wells and ponds as directed by the City through development agreement. Private wells within a radius determined by the City's engineer shall be tested for water quality prior to any dewatering activity, and shall be retested annually during the course of the project, or more frequently at the direction of the City's Engineer if complaints are registered that justify such re-testing, in the sole judgment of the City's Engineer. Private well testing shall not be required if the owner of the well refuses to allow testing, provided that the Developer furnish satisfactory evidence to the City staff of such refusal, and subject to verification by City staff of such refusal. In verifying such refusal, City staff shall make at least one attempt to communicate by U.S. mail, at least one attempt to communicate by telephone, and shall prepare a written report to the City Council detailing the attempts to contact the refusing party.

xi) Traffic Control - turn lanes shall be constructed at the entrance/exit points of all excavation projects with Access Roads to specifications to be established by the jurisdiction having control of the Access Road, but at a minimum, including the following:

aa) For vehicles entering with a right-hand turning movement, a deceleration lane of not less than 300 feet in length;

bb) For vehicles exiting with a right-hand turning movement, an acceleration lane of not less than 600 feet in length;

cc) For vehicles entering with a left-hand turning movement, a separate left-turn lane on the Access Road of not less than 200 feet in length, or a bypass lane of not less than 400 feet in length;

The City may also at any time require the installation of temporary signal lights, and may direct either a cessation of hauling activity using the Access Roads during peak traffic hours or direct such other traffic safety measures to be implemented as are necessary to enhance traffic safety during such periods of time.

It shall be the responsibility of the permit applicant to obtain the necessary approvals of the construction of turn lanes from the entity having jurisdiction over the Access Road.

xii) Maximum Annual Volume - The City shall, by development agreement, establish the annual maximum number of cubic yards of material that can be removed from a given site during a single calendar year.

xiii) Muffling of Generator or Pump Noise - If the project involves the use of generators or pumps that operate outside of the normal hours of operation, all such pumps shall be enclosed by wooden structures that muffle the sound of the pumps to the point where pump noise is minimally audible from nearby residences during night time hours. To this end, all such enclosures shall be engineered to include proper insulation, and detailed plans for the housings shall be submitted for approval by the City's engineer prior to the time that any such pumps or generators commence operation.

xiv) Water Table Recharge Methods – All excavation projects shall include as a part of the operation a plan for diverting water removed in the dewatering process to locations where the pumped water will be able to recharge any lowered water tables in the most expeditious manner that is practical.

xv) Additional Dust Control Measures – In addition to dust control measures on haul roads, the Developer shall implement dust control measures within all other areas of the project that may be conducive to the creation of dust. Such measures shall be as directed by the City's Engineer from time to time, and may include, without limitation, the following:

aa) Watering of exposed areas;

bb) The placement of straw, sod or other cover material on exposed areas;

cc) Restrictions on the size and location of stockpiles of material awaiting transport;

dd) Covering stockpiles of material awaiting transport.

ee) Creating seeded berms with material eventually intended for use in restoration work.

xvi) Surveillance - The Developer shall be required to install television monitoring cameras to record all traffic entering and leaving the site from the Access Roads, and at other locations that may be directed by the City's Engineer, to capture in sufficient detail any failures of vehicles to observe traffic control devices and to

verify that hours of operation are being observed at all times. Tapes or discs of each 24-hour daily monitoring shall be preserved by the Developer and available to City staff for thirty days after recording.

xvii) Sureties - The City shall require financial guarantees for the prompt completion of each project, for road repair costs, well replacement and other hydrologic damage, restoration costs on non-renewal of permit, revocation of permit, abandonment, and general performance and indemnity of the City.

xviii) Hours - The City shall regulate time of operation, including different phases of operation, but shall not permit any construction activity (except pumping) or hauling outside of the hours of 7 am to 7 pm on Monday through Friday (excluding holidays that fall on those days). The City may, by development agreement, allow construction activity and hauling between the hours of 8am and 5pm on Saturdays, subject to the right of the City to alter or eliminate Saturday work in its sole discretion. The foregoing prohibition on hauling times includes the practice of trucks queuing and/or waiting either at or near the entrance gate or on the grounds of the project prior to the start time each morning, or running vehicle engines in any form on or near the grounds after the finishing time each evening.

xix) Size - The City may limit the amount of the land area, setback, depth and slope ratios for Regulated Excavations.

xx) Neighborhood Liaison - The City may require a developer to cooperate with a neighborhood liaison group where circumstances are appropriate, for the purpose of reviewing and acting upon complaints, receiving suggestions, and the like.

xxi) Security - The City may require the construction of security fencing or other devices, including the installation of additional security cameras and tapes, to monitor both public safety and compliance issues.

xxii) Noise Control - The City may regulate the volume of noise and require additional noise abatement measures where appropriate;

xxiii) Studies - Prior to completing the approval process, the City may engage professional consultants, at Developer expense, to give recommendations as to conditions to be attached to a given permit.

xxiv) Deposit - The City Council may require an advance cash deposit sufficient to defray the City's review and monitoring costs in administering the permit.

xxv) Prior History - The City Council may deny the application of any applicant who is found to have a previous history of non-compliance with the provisions of previously issued excavation permits in the City.

c) Public Hearing - Prior to acting on any request for permit, a public hearing shall be conducted by the Planning Commission. Notice of the public hearing shall be published in the same manner as for notices of zoning amendments, with notice given to all owners of lands which abut the parcel or parcels upon which the excavation activity is to occur, as well as to the owners of all occupied structures within one thousand five hundred feet of the property line perimeter of the parcel or parcels of land upon which the excavation activity is to occur. Notice of the public hearing shall also be given to all residences that abut the Access Roads to be used for the project within a distance of one mile from the outside perimeter of the parcel or parcels upon which the excavation activity is to occur.

"Excavation activity" includes the actual excavation pit, all haul roads, storage areas, equipment staging areas, pump locations and parking areas for cars or construction offices. The City may modify the required notification area based on the scale, duration, and anticipated off-site impacts of the project.

d) Denial of Permit - The City may deny the issuance of a permit if, following submission of the appropriate data, the City Council finds that the proposed activity:

i) Poses a significant threat of adverse environmental impact; or

ii) Creates potential traffic safety hazards; or

iii) Cannot meet the conditions of permit approval; or

iv) Is fundamentally incompatible with nearby land uses, by reason of a tendency to interfere with the quiet enjoyment of those land uses, lower property values or to remove natural vegetative screening.

e) Project Intent – In the event of a question regarding classification of an excavation activity, the City shall determine applicability of this Section based on the total volume of material removed from the site, the frequency and duration of hauling operations, and the overall scale of the activity, rather than the stated purpose of the excavation.

11-650 Permit Application

The application for the permit required in Article 11-630 or 11-640 hereof shall be made in writing signed by both the owner and the applicant, to the City Administrator on such form as the Administrator may, from time to time, designate, and shall include such information as may be required by the Administrator and shall contain among other things:

- a) The correct legal description of the premises where the storage, filling, removal, or excavation of rock, sand, gravel, clay, peat or other like materials shall occur.
- b) The name and address of both the applicant and owner of the land.
- c) The purpose of the removal, storage, fill or excavation.
- d) The estimated time required to complete the removal, storage, fill or excavation.
- e) The highways, streets or other public ways within the City upon and along which the material introduced or removed shall be transported.
- f) A map or plat of the proposed pit or excavation to be made showing the confines or limits thereof together with the proposed finished elevations based on sea level readings, and a notation indicating high water levels and boundaries of flood plains.
- g) Any other information deemed necessary by the City Council.
- h) An application fee to be established from time to time by resolution of the City Council.

11-651 Initial Mining Precincts and Access Roads

The following Mining Precincts and Access Roads serving those Mining Precincts are hereby established:

A. Precinct 1: All of those portions of Sections 5, 8, 17, 20 and the north half of Section 29 that lie westerly of TH 65; also all of Sections 6,7,18, 19 and the north half of Section 30. Access Roads: CSAH 18 (Crosstown Boulevard NE) west of TH 65; County Road 60 (Constance Boulevard NE) west of TH 65; Andover Boulevard NE west of TH 65; and all of TH 65.

B. Precinct 2: All of those portions of Sections 5, 8, 17, 20 and the north half of Section 29 that lie easterly of TH 65; also all of Sections 9, 10, 15, 16, 21, and 22, and the north half of Sections 27 and 28; also the west half of Sections 2, 11, 14, and 23; also the northwest quarter of Section 26. Access Roads: CSAH 2018 (Crosstown Boulevard NE) west of the north-south extension of Durant Street NE; all of TH 65. County Road 60 (Constance Boulevard NE) west of the north-south extension of Durant Street NE; 149th Avenue NE west of Naples Street NE; all of TH65.

C. Precinct 3: All of Sections 1 and 12; the east half of Sections 2 and 11; the north one-quarter of Section 13; the north half of the northeast quarter half of Section 14. Access Roads: CSAH 2018 (Crosstown Boulevard NE) east of the north-south extension of Durant Street NE and CSAH 17 (Lexington Avenue NE) north of its intersection with CSAH 2018 (Crosstown Boulevard NE).

D. Precinct 4: All of Sections 24, 254 and 36; the south one half of the northeast quarter of Section 14; the southeast quarter of Section 14; the south three quarters of Section 13; the east half of Sections 23, 26 and 35. Access Roads: County Road 60 (Constance Boulevard NE) east of the north-south extension of Durant Street NE; CSAH 17 (Lexington Avenue NE) only.

E. Precinct 5: All of Sections 31, 32, 33 and 34; the south half of Sections 27, 28, 29 and 30; the west half of Section 35; the southwest quarter of Section 26. Access Roads: CSAH 116 (Bunker Lake Boulevard NERoad) west of Naples Street NE; Radisson Road NE south of 141st Avenue NE; All of TH65

11-652 Variances

Notwithstanding the foregoing language of this Article 11-600, and except for the public hearing requirement of Article 11-640(c), the City Council shall retain the right to grant variances from the strict enforcement of the terms and conditions of this Article for good cause shown, including, without limitation, for any of the following reasons:

- a) Existing drainage conditions on or near the proposed project are in need of correction for the benefit of public health, safety or welfare;
- b) The proposed project is in a location having a substantial spatial separation from nearby active land uses;
- c) There are stockpiling conditions present on the property housing the proposed project that predated the effective date of the 2007 amendments to this code, and the scope of the proposed project is limited to removal of the stockpiled materials only;

d) There are on file previous studies, reports or plans that, in the sole discretion of the City Council, remain valid and current for the proposed project;

e) The scope of the proposed project is otherwise sufficiently limited in size, duration, and impact on surrounding property to justify the granting of a variance.

Prior to granting any variance, the City Council shall adopt findings of fact stating the reasons for the variance.

Presented to the Ham Lake City Council on May 18, 2026 and adopted by a _____ vote this 1st day of June, 2026.

Brian Kirkham, Mayor

Denise Webster, Administrator

ORDINANCE SUMMARY: ORDINANCE NO. 26-XX

An Ordinance amending ARTICLE 11-600, EXCAVATION AND RECLAMATION relating to Excavation of Land in the City of Ham Lake.

Be it ordained by the City Council of the City of Ham Lake, Anoka County, Minnesota, as follows:

ARTICLE 11-600 EXCAVATION AND RECLAMATION

The following summary of the foregoing ordinance is published pursuant to the authority of Minnesota Statutes Chapter 412.191, Subd. 4 and Ham Lake City Charter Chapter Three, Section 3.08, which provide that in the case of a lengthy ordinance, a summary may be published. The following summary is approved by the City Council and shall be published in lieu of publishing the entire ordinance.

This ordinance amends and updates Ham Lake City Code Article 11-600, Excavation and Reclamation, relating to Excavation of Land in the City of Ham Lake.


A complete copy of the ordinance is posted on the main bulletin board at Ham Lake City Hall, 15544 Central Avenue NE, Ham Lake, Minnesota and may be observed by any person during regular office hours (Monday – Thursday 7:00 am to 4:30 pm, and Friday 7:00 am to 11:00 am). The ordinance is also available on the City’s website at www.hamlakemn.gov This posting will continue for thirty days following the final publication date of this summary.

Presented to the Ham Lake City Council on May 18, 2026 and adopted by a unanimous vote this ____ day of _____, 2026

Brian Kirkham, Mayor

Denise Webster, City Clerk

Memorandum

Date: May 14, 2026
To: Mayor and Councilmembers
From: David A. Krugler, City Engineer 
Subject: Crosstown Shopping Center Street Reconstruction

Introduction:

The Plans for the reconstruction of the Crosstown Shopping Center have received approval from the Coon Creek Watershed District, Anoka County Highway Department, and is anticipated to be approved by MnDOT soon.

Discussion:

The street section will be 29 feet of bituminous with concrete curb and gutter. The project does not include bike lanes or paths. The intersection of Central Avenue and 177th Avenue will be realigned into a T-Intersection to allow for the future construction of a frontage road to the north.

The estimated construction cost of this project is \$1,958,277.09. The project development costs, which include engineering, utility relocation, and rare plant mitigation, are \$475,891.01.

Construction engineering/inspection costs are estimated at 8% of the construction costs, which is \$156,662.17. Permanent and Temporary easement acquisitions cost for the project is totaled to be \$31,203.60. The total estimated project cost is \$2,622,033.87.

Roadway easements, drainage and utility easements and construction easements were provided from the Crosstown Shopping Center plat, PID: 05-32-23-42-003, PID: 05-32-23-42-0012, PID: 05-32-23-42-0014, and PID: 05-32-23-43-0010. Storm water will be treated within the wetlands located within the site and the MnDOT ditch along Trunk Highway 65.

Recommendation:

It is recommended that the Plans and Specifications be approved and advertisement for bids be ordered for the reconstruction of the Crosstown Shopping Center.

PLAN SYMBOLS

--- EXISTING CENTERLINE
 --- PROPOSED CENTERLINE
 --- EXISTING RIGHT-OF-WAY LINE
 --- PROPOSED RIGHT-OF-WAY LINE
 --- EXISTING EASEMENT LINE
 --- PROPOSED EASEMENT LINE
 --- CONSTRUCTION PERMANENT
 --- LOT SECTION
 --- PROPERTY LINE
 --- CONSTRUCTION LIMITS
 --- CLEAR ZONE
 ---901--- INTERMEDIATE INDEX
 ---900--- GRADE BREAK
 ---901--- INTERMEDIATE INDEX
 ---900--- GRADE BREAK
 ---901.25--- INTERMEDIATE INDEX
 ---901.25--- GRADE BREAK
 --- PROPOSED EXISTING COUNTY
 --- DITCH LINE
 --- X X X X FENCE LINE - ANY TYPE
 --- O O O O SILT FENCE
 --- W W W W WETLAND BOUNDARY
 --- TREE LINE
 --- TREE SYMBOLOGY
 --- X BM BENCHMARK / IRON MONUMENT
 --- * LIGHT POLE / BOLLARD
 --- O SOIL BORING
 --- [] BUILDING
 --- [] RIPRAP
 --- [] MAILEBOX
 --- [] SIGN
 --- [] EXISTING RETAINING WALL
 --- [] PROPOSED EXISTING RETAINING WALL

UTILITY SYMBOLS

--- GAS GAS GAS LINE
 --- PETRO PETRO PETROLEUM LINE
 --- OHE OHE OVERHEAD ELECTRIC
 --- UGE UGE UNDERGROUND
 --- T T T UNDERGROUND TELEPHONE LINE
 --- CATV CATV UNDERGROUND CABLE TV LINE
 --- FO FO PRIVATE UNDERGROUND FIBER OPTIC LINE
 --- MnDOT FO MnDOT UNDERGROUND FIBER OPTIC LINE
 --- (1) MANHOLE (T) JUNC. BOX TELEPHONE STRUCTURES
 --- (2) MANHOLE (T) JUNC. BOX FIBER OPTIC STRUCTURES
 --- (P) MANHOLE (T) JUNC. BOX POWER POLE AND GUY WIRE
 --- >>> EXISTING STORM DRAIN LINE
 --- >>> PROPOSED STORM DRAIN LINE
 --- >>> EXISTING FLARED END SECTION
 --- >>> PROPOSED FLARED END SECTION
 --- O EXISTING CATCH BASIN
 --- O PROPOSED CATCH BASIN
 --- (W) EXISTING MANHOLE
 --- (W) PROPOSED MANHOLE
 --- (W) EXISTING WELL
 --- (W) PROPOSED WELL

HATCH LEGEND

[] BITUMINOUS DRIVEWAYS
 [] CONCRETE DRIVEWAYS
 [] EROSION CONTROL
 [] GRAVEL
 [] HYDRAULIC
 [] REMOVAL
 [] GRAVEL
 [] BITUMINOUS

PLOT DATE: 5/12/2026 1012

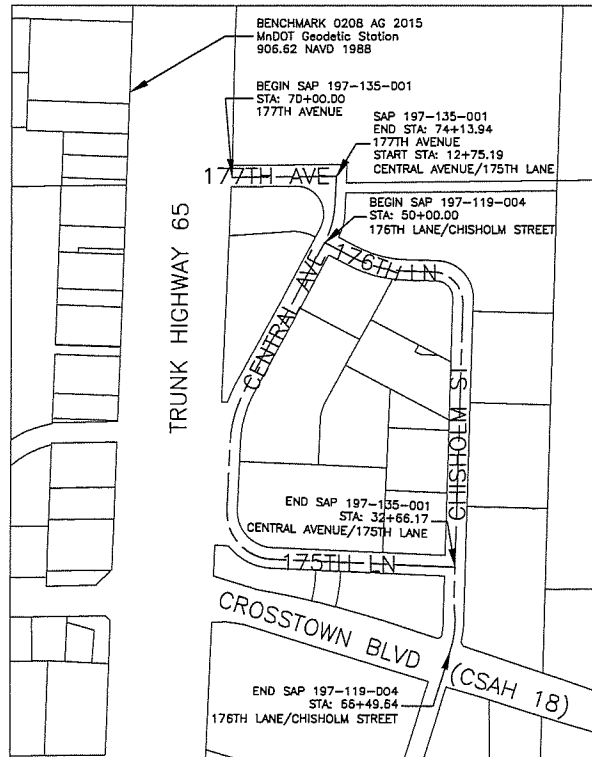
MINNESOTA DEPARTMENT OF TRANSPORTATION

City of Ham Lake, Minnesota

CONSTRUCTION PLANS FOR GRADING, RECLAIM, AGGREGATE BASE, PLANT MIXED BITUMINOUS SURFACE, STORM DRAINS AND CONCRETE CURB

CHISHOLM ST. FROM CROSTOWN BOULEVARD TO 176TH LANE
 175TH LANE FROM CENTRAL AVENUE TO CHISHOLM STREET
 176TH LANE FROM CENTRAL AVENUE TO CHISHOLM STREET
 177TH AVENUE FROM TH 65 TO CENTRAL AVENUE
 CENTRAL AVENUE FROM 175TH LANE TO 177TH AVENUE

HAM LAKE PROJECT NO. 2205
 STATE AID PROJ. NO. 197-119-004 AND 197-135-001



VARIANCE NOTE

THIS PROJECT HAS BEEN GRANTED A VARIANCE FROM MINNESOTA RULE 8820.9936, DATED MARCH 23, 2023, SO AS TO PERMIT TWO (2) 20 MPH CURVES IN LIEU OF THE REQUIRED 30 MPH CURVES. THIS VARIANCE WAS APPROVED ON MARCH 23, 2023 BY THE MINNESOTA DDT, AND SIGNED BY KRISTINE ELWOOD, PE, STATE AID ENGINEER, ON APRIL 7, 2023.

ADT 177TH AVE. (2026)	136	ADT 177TH AVE (2046)	204
ADT CHISHOLM ST. (2026)	3,328	ADT CHISHOLM ST. (2046)	4,992
Design Speed	30 MPH		
NO. OF TRAFFIC LANES	2	NO. OF PARKING LANES	0
FUNCTIONAL CLASSIFICATION	COLLECTOR, LOW DENSITY		
SOIL FACTOR	50%	HCAOT	<150
TON DESIGN	9.10%		
STOPPING SIGHT DISTANCE BASED ON:			
HEIGHT OF EYE 3.5'			
HEIGHT OF OBJECT 2.0'			
DESIGN SPEED NOT ACHIEVED AT:			
STA. 24+38	TO STA. 26+74	175TH LANE	
STA. 53+68	TO STA. 55+25	CHISHOLM STREET	

CHISHOLM STREET

54+46.60 TO 66+49.64			
GROSS LENGTH	1,203.04	FEET	0.228 MILES
BRIDGES LENGTH	0	FEET	0 MILES
EXCEPTIONS LENGTH	0	FEET	0 MILES
NET LENGTH	1,203.04	FEET	0.228 MILES

176TH LANE

50+00.00 TO 54+46.60			
GROSS LENGTH	446.60	FEET	0.085 MILES
BRIDGES LENGTH	0	FEET	0 MILES
EXCEPTIONS LENGTH	0	FEET	0 MILES
NET LENGTH	446.60	FEET	0.085 MILES

177TH AVENUE

70+00.00 TO 74+13.94			
GROSS LENGTH	413.94	FEET	0.078 MILES
BRIDGES LENGTH	0	FEET	0 MILES
EXCEPTIONS LENGTH	0	FEET	0 MILES
NET LENGTH	413.94	FEET	0.078 MILES

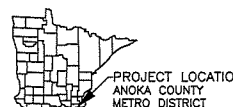
CENTRAL AVENUE

12+75.19 TO 25+56.15			
GROSS LENGTH	1,280.96	FEET	0.243 MILES
BRIDGES LENGTH	0	FEET	0 MILES
EXCEPTIONS LENGTH	0	FEET	0 MILES
NET LENGTH	1,280.96	FEET	0.243 MILES

175TH LANE

25+56.15 TO 32+66.17			
GROSS LENGTH	710.02	FEET	0.134 MILES
BRIDGES LENGTH	0	FEET	0 MILES
EXCEPTIONS LENGTH	0	FEET	0 MILES
NET LENGTH	710.02	FEET	0.134 MILES

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL 0. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND OBTICTION OF EXISTING SUBSURFACE UTILITY DATA."

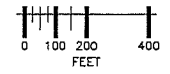


THE UTILITIES SHOWN ARE BASED UPON THE BEST INFORMATION AVAILABLE AND MAY NOT REFLECT THE ACTUAL EFFECTS ON THE UTILITIES BY CONSTRUCTION. ACTUAL DETERMINATIONS WILL BE MADE IN THE FIELD DURING CONSTRUCTION.

STATE AID PROJ. NO.	CHARGE	IDENTIFIER
197-119-004		
197-135-001		

PLAN REVISIONS

DATE	SHEET NO.	APPROVED BY



STATE FUNDS

GOVERNING SPECIFICATIONS

THE 2025 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION".

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MUTCO, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

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ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

THIS PLAN CONTAINS 61 SHEETS

I HEREBY CERTIFY THAT THIS PLAN 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.

SIGNED: *David A. Krueger*
 David A. Krueger

DATE: 5/12/26 REG. NO.: 48768

APPROVED: *David A. Krueger*
 CITY ENGINEER - HAM LAKE

DATE: 5/12/26

APPROVED: _____ DATE: _____
 DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

APPROVED: _____ DATE: _____
 APPROVED FOR STATE AID FUNDING: FOR STATE AID ENGINEER

STATE AID PROJECT NO. 197-119-004 / 197-135-001

RFC ENGINEERING, INC.

Consulting Engineers

13635 Johnson Street NE Telephone 763-862-8000
 Ham Lake, MN 55304 Fax 763-862-8042

JOB NO. 2205
 FILE: 37-2-101 SHEET NO. 1 OF 61 SHEETS

STATEMENT OF ESTIMATED QUANTITIES

TAB	SHEET	NOTES	ITEM NO.	ITEM	UNIT	ENTIRE PROJECT	S.A.P. 197-135-001		S.A.P. 197-119-004		NON PARTICIPATING
							ROADWAY	STORM SEWER	ROADWAY	STORM SEWER	
							ESTIMATED QUANTITIES	ESTIMATED QUANTITIES	ESTIMATED QUANTITIES	ESTIMATED QUANTITIES	
			2021.501	MOBILIZATION	LUMP SUM	1	0.5		0.5		
AA	4,21-23	5	2101.502	CLEARING	EACH	12	12				
AA	4,21-23	5	2101.502	GRUBBING	EACH	12	12				
AA	4,21-23	5	2101.205	CLEARING (P)	ACRE	1.52	0.38		1.14		
AA	4,21-23	5	2101.205	GRUBBING (P)	ACRE	1.52	0.38		1.14		
AJ	4,24-28	8	2104.502	REMOVE BRANCHED STRUCTURE	EACH	10	6		4		
AK	4,24-28	8	2104.502	REMOVE SIGN	EACH	28	14		12		
AL	4,24-28	8	2104.502	REMOVE SIGN	EACH	1			1		
AE	4,24-28	10	2104.502	REMOVE MAIL BOX SUPPORT AND MAILBOX	EACH	1			1		
AF	4,24-28	8	2104.502	REMOVE CONCRETE CURB (FULL DEPTH)	LN FT	29	14		15		
AG	4,24-28	8	2104.502	REMOVE BITUMINOUS PAVEMENT (FULL DEPTH) - DRIVEWAY	LN FT	527	340		187		
AC	4,24-28	11	2104.502	REMOVE BITUMINOUS PAVEMENT (FULL DEPTH)	LN FT	219	109		109		
AD	4,24-28	8	2104.502	REMOVE CONCRETE CURB/BOX	LN FT	510	383		327		
AE	4,24-28	8	2104.502	REMOVE CURB AND GUTTER	LN FT	272	152		120		
AF	4,24-28	8	2104.502	REMOVE BLOCK RETAINING WALL	LN FT	84			84		
AG	4,24-28	8	2104.502	REMOVE WOODEN FENCE	LN FT	251				251	
AH	4,24-28	8	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1 668	1 058		610		
AI	4	4, 5	2108.507	EXCAVATION - COMMON (P)	CU YD	5 215	2 558		2 657		
AJ	4	4	2108.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	50	25		25		
AK	4	4, 5	2108.507	COMMON EMBANKMENT (CV) (P)	CU YD	3 159	1 768		1 391		
BA	5		2211.508	AGGREGATE BASE CLASS 5	TON	2 200	1 242		958		
BB	5	9	2211.604	AGGREGATE BASE (CV) CLASS 5 4.0" THICK-RESIDENTIAL DRIVEWAY	SQ YD	100			100		
BC	5	9	2211.604	AGGREGATE BASE (CV) CLASS 5 6.0" THICK-COMMERCIAL DRIVEWAY	SQ YD	1 660	1 081		579		
BD	4	11, 12	2218.504	FULL DEPTH RECLAMATION (P)	SQ YD	13 785	8 060		5 725		
BE	5		2221.509	SHOULDER BASE AGGREGATE CLASS 5	TON	228	228				
BF	5	8, 9	2300.504	TYPE SP 9.5 WEARING COURSE MIXTURE (3.0) 1.0" THICK-COMMERCIAL DRIVEWAY	SQ YD	1 145	746		397		
BG	5	8	2300.504	TYPE SP 9.5 WEARING COURSE MIXTURE (3.0) 2.0" THICK-RESIDENTIAL DRIVEWAY	SQ YD	52			52		
BH	5	8, 9	2300.504	TYPE SP 12.5 WEARING COURSE MIXTURE (3.0) 2.0" THICK-COMMERCIAL DRIVEWAY	SQ YD	1 145	748		397		
BI	5	9	2300.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3.0)	TON	1 823	950		873		
BJ	5	9	2300.509	TYPE SP 12.5 WEARING COURSE MIXTURE (3.0)	TON	1 823	950		873		
34-28	1, 5		2501.302	18" CS PIPE APRON	EACH	3			3		
34-28	1, 5		2501.302	18" CS PIPE APRON	EACH	1			1		
34-28	1, 5		2501.302	30" CS PIPE APRON	EACH	1			1		
34-28	1, 5		2501.302	18" RC PIPE APRON	EACH	1			1		
34-28	1, 5		2501.302	21" RC PIPE APRON	EACH	2			2		
34-28	1, 5		2501.302	30" RC PIPE APRON	EACH	1			1		
34-28	1, 5		2501.802	TRASH GUARD FOR 18" PIPE APRON	EACH	3			3		
34-28	1, 5		2501.802	TRASH GUARD FOR 18" PIPE APRON	EACH	2			2		
34-28	1, 5		2501.802	TRASH GUARD FOR 21" PIPE APRON	EACH	2			2		
34-28	1, 5		2501.802	TRASH GUARD FOR 30" PIPE APRON	EACH	2			2		
34-28	1, 5		2503.503	18" CP PIPE SENDER (SMOOTH)	LN FT	249			249		
34-28	1, 5		2503.503	18" CP PIPE SENDER (SMOOTH)	LN FT	114			114		
34-28	1, 5		2503.503	24" CP PIPE SENDER (SMOOTH)	LN FT	123			123		
34-28	1, 5		2503.503	30" CP PIPE SENDER (SMOOTH)	LN FT	92			92		
34-28	1, 5		2503.503	12" RC PIPE SENDER DESIGN 3008 CLASS IV	LN FT	134			134		
34-28	1, 5		2503.503	15" RC PIPE SENDER DESIGN 3008 CLASS IV	LN FT	818			345		
34-28	1, 5		2503.503	18" RC PIPE SENDER DESIGN 3008 CLASS IV	LN FT	155			78		
34-28	1, 5		2503.503	21" RC PIPE SENDER DESIGN 3008 CLASS IV	LN FT	87			87		
34-28	1, 5		2503.503	24" RC PIPE SENDER DESIGN 3008 CLASS IV	LN FT	149			149		
34-28	1, 5		2503.503	30" RC PIPE SENDER DESIGN 3008 CLASS IV	LN FT	57			57		
34-28	1, 5		2508.802	CONNECT TO EXISTING STORM SENDER	EACH	5			5		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-2X3	EACH	8			3		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-4X8	EACH	3			3		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-6X80 SWAMP	EACH	1			1		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-3-72" SWAMP	EACH	7			6		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-4-48" BEDROCK	EACH	3			1		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-5-48" CLOSED	EACH	3			1		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-6-80" CLOSED	EACH	1			1		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-7-72" CLOSED	EACH	2			1		
34-28	2, 5		2508.802	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL-8-80" SWAMP-CLOSED	EACH	1			1		
34-28	2, 5		2508.802	INSTALL SAFI BAFFLE (90" X 36")	EACH	1			1		
34-28	2, 5		2508.802	INSTALL SAFI BAFFLE (72" X 36")	EACH	6			4		
BM	5	2	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	200.5			65.2		
BL	5		2511.507	RANDOM REPAIR CLASS B	CU YD	57.1			28.2		
BO	5		2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LN FT	809			322		
BP	5		2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LN FT	7 079			3 219		
BQ	5		2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	385			243		
BR	5	10	2540.802	INSTALL MAIL BOX SUPPORT WITH MAILBOX	EACH	1			1		

PLATE NO.	STANDARD PLATES - RFC ENGINEERING (IN THE PLANS)
RFC-356B	TRANSITION CURB: B424 TO B618
RFC-363A1	PRIVATE DRIVEWAY/FIELD ENTRANCE
RFC-368B1	TYPICAL STREET SECTION
RFC-368B1B	TYPICAL STREET SECTION - TURN LANE
RFC-368F12	TYPICAL STREET SECTION - NO CURB
RFC-370A1	COMMERCIAL DRIVEWAY
RFC-382A	CURB END
RFC-459C	RECTANGULAR CATCH BASIN
RFC-463A1	FABRIC AROUND CATCH BASIN
RFC-465A1	RECTANGULAR INLET FOR ROUND MANHOLE
RFC-465A3	RECTANGULAR INLET FOR ROUND MANHOLE - VARIABLE SUMP
RFC-465C	ROUND MANHOLE
RFC-465C1	ROUND INLET FOR ROUND MANHOLE
RFC-465C5	ROUND MANHOLE - VARIABLE SUMP
RFC-466B	RCP TRASH GUARD
RFC-466C	CPP TRASH GUARD
RFC-654	STORM DRAIN BEDDING FOR RIGID AND FLEXIBLE PIPE *MANDOT DETAIL
RFC-856A	FORESLOPE
RFC-857	SILT FENCE AT FES

- NOTES:
- SELECT GRANULAR BORROW, STRUCTURAL EXCAVATION, AND GRANULAR BACKFILL FOR STORM PIPES ARE INCIDENTAL.
 - FILTER FABRIC AND FABRIC WRAP FOR CATCH BASINS AND MANHOLES ARE INCIDENTAL.
 - ALL DISTURBED AREAS DETERMINED NOT TO BE PAVED, AGGREGATE SURFACE, CONCRETE SURFACE OR RIPRAPPED SHALL HAVE 4 INCHES OF TOPSOIL, FERTILIZER TYPE 2, MULCH MATERIAL, AND SEED MIXTURE NO. 25-131 PER MANDOT STANDARD SPECIFICATION 3876, APPLY TYPE 1 MULCH AT THE RATE OF 2 (TWO) TONS PER ACRE (TO ACHIEVE A 90% UNIFORM GROUND COVERAGE). SEED MIXTURE, WATER, TYPE 2 FERTILIZER, AND MULCH ARE INCIDENTAL. SOIL TESTING TO DETERMINE FERTILIZER MIXTURE RATIO AND RATE OF APPLICATION IS INCIDENTAL. MATERIAL FOUND IN THE SUBGUTS THAT IS UNSUITABLE FOR FILL IN THE ROADBED SHALL BE REMOVED OFF-SITE OR USED AS NON-STRUCTURAL FILL.
 - THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE CONSTRUCTION LIMITS.
 - SIGNS INCLUDE POSTS.
 - INSTALLATION AND MAINTENANCE ARE INCIDENTAL.
 - QUANTITY SHOWN USED FOR DRIVEWAY CONSTRUCTION. SEE DETAIL RFC-363A1 AND RFC-370A1.
 - BITUMINOUS MATERIAL FOR TACK COAT SHALL BE INCIDENTAL.
 - REMOVE SUPPORTS AND SALVAGE MAIL BOXES, SALVAGE MAIL BOXES ARE INCIDENTAL.
 - AVERAGE DEPTH OF EXISTING BITUMINOUS PAVEMENT IS 4"
 - AVERAGE DEPTH OF EXISTING BASE MATERIAL IS 3"

SEED MIX 25-131: COMMERCIAL TURF
MULCH TYPE 1
PLANT APRIL 1ST - JUNE 1ST FOR SPRING PLANTING OR
JULY 20TH - SEPTEMBER 20TH FOR FALL PLANTING

BASIS FOR ESTIMATED QUANTITIES

AGGREGATE BASE	105 LBS/SY./INCH
BITUMINOUS MIXTURE	110 LBS/SY./INCH
TYPE 1 MULCH	2 TONS/ACRE

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY

PLATE NO.	MnDOT STANDARD PLATES
3060M	REINFORCED CONCRETE PIPE (8 SHEETS)
3068M	CASNET JOINT FOR R.C. PIPE (2 SHEETS)
3128A	MESH APRON FOR CORRUGATED POLYETHYLENE PIPE
3132D	REPAIR AT RCP CURBLES
3134D	REPAIR AT CPT CURBLES
3145E	CONCRETE PIPE OR PRECAST BOX CURBLET TIES
7106H	CONCRETE CURB & GUTTER
8002K	TEMPORARY CHANNELIZERS (3 SHEETS)
8132D	MAILBOX SUPPORT SHING-AWAY (3 SHEETS)

PLATE NO.	STANDARD PLATES - NON RFC ENGINEERING (IN THE PLANS)
	SAFI BAFFLE STANDARD DETAIL
	SAFI BAFFLE THROUGH PIPE CONFIGURATION
	SAFI BAFFLE NINETY DEGREE PIPE CONFIGURATION
	SAFI BAFFLE MULTIPLE INLET PIPE CONFIGURATION
	SAFI BAFFLE SIDE INLET PIPE CONFIGURATION



UTILITIES:
LUMEN (763) 712-5017
CENTERPOINT ENERGY (763) 323-2780
CONCAST (952) 807-4076
CONDUPLUS ENERGY (763) 322-5566
GREAT RIVERS ENERGY (763) 445-5884

DATE	REVISION HISTORY
05/12/26	

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Don Ruppel
DATE 05/12/26 REG. NO. 48268

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S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 22D05
CROSCOWN SHOPPING CENTER STREET RECONSTRUCTION

STATEMENT OF ESTIMATED QUANTITIES
AND STANDARD PLATES

STATEMENT OF ESTIMATED QUANTITIES

TAB	SHEET	NOTES	ITEM NO.	ITEM	UNIT	ENTIRE PROJECT ESTIMATED QUANTITIES	S.A.P. 197-135-001		S.A.P. 197-119-004		NON PARTICIPATING ESTIMATED QUANTITIES
							ROADWAY	STORM SEWER	ROADWAY	STORM SEWER	
							ESTIMATED QUANTITIES	ESTIMATED QUANTITIES	ESTIMATED QUANTITIES	ESTIMATED QUANTITIES	
			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.5		0.5		
BS	6,40-41	6	2564.518	SIGN PANELS TYPE C	SQ FT	311.3	198.4		112.9		
			2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	0.5		0.5		
BX	6,37-39	7	2573.502	STORM DRAIN INLET PROTECTION	EACH	23	11		12		
BW	6,37-39	7	2573.502	CULVERT END CONTROLS	EACH	9	3		4		
BK	5,37-39	7	2573.503	SILT FENCE TYPE M5	LN FT	4,387	2,515		1,872		
			2578.605	TURF ESTABLISHMENT (25-131 SEEDING MIX)	ACRE	3.73	2.03		1.7		
BU	6,40-41		2582.203	4" SINGLE WHITE SOLID LINE EPOXY PAINT	LN FT	45			45		
BT	6,40-41		2582.203	12" WHITE SOLID LINE EPOXY PAINT (STOP BAR)	LN FT	14	14				
BP	3,40-41		2582.203	4" DOUBLE YELLOW SOLID LINE EPOXY PAINT	LN FT	3,824	2,128		1,696		
BQ	3,40-41		2582.218	PAVEMENT MARKING - PARKING LOT ARROW - YELLOW EPOXY PAINT	SQ FT	48.8	24.4		24.4		
BY	6,40-41		2582.218	PAVEMENT MARKING - TURN ARROWS - WHITE EPOXY PAINT	SQ FT	45.5			45.5		

PLATE NO.	STANDARD PLATES - RFC ENGINEERING (IN THE PLANS)
RFC-356B	TRANSITION CURB: B424 TO B618
RFC-363A1	PRIVATE DRIVEWAY/FIELD ENTRANCE
RFC-366B1	TYPICAL STREET SECTION
RFC-366B1B	TYPICAL STREET SECTION - TURN LANE
RFC-366F12	TYPICAL STREET SECTION - NO CURB
RFC-370A1	COMMERCIAL DRIVEWAY
RFC-380A	CURB END
RFC-459C	RECTANGULAR CATCH BASIN
RFC-463A1	RECTANGULAR CATCH BASIN
RFC-465A1	RECTANGULAR INLET FOR ROUND MANHOLE
RFC-465A3	RECTANGULAR INLET FOR ROUND MANHOLE - VARIABLE SUMP
RFC-465C	ROUND MANHOLE
RFC-465C1	ROUND INLET FOR ROUND MANHOLE
RFC-465C5	ROUND MANHOLE - VARIABLE SUMP
RFC-466B	RCP TRASH GUARD
RFC-466C	CPP TRASH GUARD
RFC-654	STORM DRAIN BEDDING FOR RIGID AND FLEXIBLE PIPE *MNDOT DETAIL
RFC-856A	FORESLOPE
RFC-857	SILT FENCE AT FES

NOTES:

1. SELECT GRANULAR BORROW, STRUCTURAL EXCAVATION, AND GRANULAR BACKFILL FOR STORM PIPES ARE INCIDENTAL.
2. FILTER FABRIC AND FABRIC WRAP FOR CATCH BASINS AND MANHOLES ARE INCIDENTAL.
3. ALL DISTURBED AREAS DETERMINED NOT TO BE PAVED, AGGREGATE SURFACE, CONCRETE SURFACE OR RIPRAPPED SHALL HAVE 4 INCHES OF TOPSOIL, FERTILIZER TYPE 2, MULCH MATERIAL, AND SEED MIXTURE NO. 25-131 PER MNDOT STANDARD SPECIFICATION 3876, APPLY TYPE 1 MULCH AT THE RATE OF 2 (TWO) TONS PER ACRE (TO ACHIEVE A 90% UNIFORM GROUND COVERAGE). SEED MIXTURE, WATER, TYPE 2 FERTILIZER, AND MULCH ARE INCIDENTAL. SOIL TESTING TO DETERMINE FERTILIZER MIXTURE RATIO AND RATE OF APPLICATION IS INCIDENTAL.
4. MATERIAL FOUND IN THE SUBLOTS THAT IS UNSUITABLE FOR FILL IN THE ROADBED SHALL BE REMOVED OFF-SITE OR USED AS NON-STRUCTURAL FILL.
5. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE CONSTRUCTION LIMITS.
6. SIGNS INCLUDE POSTS.
7. INSTALLATION AND MAINTENANCE ARE INCIDENTAL.
8. QUANTITY SHOWN USED FOR DRIVEWAY CONSTRUCTION. SEE DETAIL RFC-363A1 AND RFC-370A1.
9. BITUMINOUS MATERIAL FOR TACK COAT SHALL BE INCIDENTAL.
10. REMOVE SUPPORTS AND SALVAGE MAIL BOXES. SALVAGE MAIL BOXES ARE INCIDENTAL.
11. AVERAGE DEPTH OF EXISTING BITUMINOUS PAVEMENT IS 4"
12. AVERAGE DEPTH OF EXISTING BASE MATERIAL IS 3"

SEED MIX 25-131: COMMERCIAL TURF
MULCH TYPE 1
PLANT APRIL 1ST - JUNE 1ST FOR SPRING PLANTING OR
JULY 20TH - SEPTEMBER 20TH FOR FALL PLANTING

BASES FOR ESTIMATED QUANTITIES

AGGREGATE BASE 105 LBS/S.Y./INCH
BITUMINOUS MIXTURE 110 LBS/S.Y./INCH
TYPE 1 MULCH 2 TONS/ACRE

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY

PLATE NO.	MNDOT STANDARD PLATES
2000W	REINFORCED CONCRETE PIPE (6 SHEETS)
3006H	GASKET JOINT FOR R.C. PIPE (2 SHEETS)
3128A	METAL APRON FOR CORRUGATED POLYETHYLENE PIPE
3133D	RRPAP AT RCP OUTLETS
3134D	RRPAP AT CSP OUTLETS
3145G	CONCRETE PIPE OR PRECAST BOX CULVERT TIES
7100H	CONCRETE CURB & GUTTER
8000K	TEMPORARY CHANNELIZERS (3 SHEETS)
9350D	MAILBOX SUPPORT SWING-AWAY (3 SHEETS)

PLATE NO.	STANDARD PLATES - NON RFC ENGINEERING (IN THE PLANS)
	SAFL BAFFLE STANDARD DETAIL
	SAFL BAFFLE THROUGH PIPE CONFIGURATION
	SAFL BAFFLE NINETY DEGREE PIPE CONFIGURATION
	SAFL BAFFLE MULTIPLE INLET PIPE CONFIGURATION
	SAFL BAFFLE SIDE INLET PIPE CONFIGURATION

UTILITIES: LUMEN (763) 712-3017
CENTERPOINT ENERGY (763) 323-2980
CONCAST (952) 607-4078
CONHEUS ENERGY (763) 323-4288
GREAT RIVERS ENERGY (763) 445-5984

DATE REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Don Ruppel
DATE 05/12/26 REG. NO. 48768

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Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

STATEMENT OF ESTIMATED QUANTITIES
AND STANDARD PLATES

DWG: 2205 QTY 2
DATE: 05/12/26
JOB NUMBER: 2205

SHEET: 3 OF 61
FILE: 37-2-103

DESIGN BY: LDZ

DRAWN BY: LDZ

CHECKED BY: DAK



800-253-4366 651-454-0002

PLOT DATE: 5/12/2026 10:13

TREE REMOVAL					AA	
STATION	LOCATION	CLEARING (ACRE)	GRUBBING (ADRE)	CLEARING (EACH)	GRUBBING (EACH)	
12+36 TO 13+00	CENTRAL AVE. - LT	0.08	0.08			
13+32 TO 14+63	CENTRAL AVE. - LT	0.15	0.15			
14+02	CENTRAL AVE. - RT			1	1	
14+37	CENTRAL AVE. - RT			1	1	
23+45	CENTRAL AVE. - LT			1	1	
23+67	CENTRAL AVE. - LT			1	1	
28+67 TO 27+32	175TH LN. - RT			4	4	
30+49 TO 32+31	175TH LN. - LT	0.10	0.10			
50+40 TO 52+06	176TH LN. - LT	0.16	0.16			
52+81 TO 54+47	176TH LN. - LT	0.14	0.14			
54+47 TO 55+52	CHISHOLM ST. - LT	0.04	0.04			
58+28 TO 61+85	CHISHOLM ST. - LT	0.25	0.25			
58+64 TO 63+52	CHISHOLM ST. - RT	0.26	0.26			
61+76 TO 66+30	CHISHOLM ST. - LT	0.17	0.17			
64+68 TO 66+41	CHISHOLM ST. - RT	0.11	0.11			
71+59 TO 73+44	177TH AVE. - LT	0.08	0.08			
72+09	177TH AVE. - RT			1	1	
72+88	177TH AVE. - RT			1	1	
73+33	177TH AVE. - RT			1	1	
73+46	177TH AVE. - RT			1	1	
TOTAL		1.52	1.52	12	12	

SAWCUT BITUMINOUS DRIVEWAY			AF
STATION	LOCATION	LIN FT	
14+75	CENTRAL AVE. - RT	32	
15+50	CENTRAL AVE. - RT	28	
17+00	CENTRAL AVE. - LT	31	
17+50	CENTRAL AVE. - RT	22	
23+25	CENTRAL AVE. - LT	36	
28+00	175TH LN. - LT	36	
28+75	175TH LN. - RT	45	
30+00	175TH LN. - LT	47	
30+75	175TH LN. - RT	27	
51+50	176TH LN. - RT	34	
55+65	CHISHOLM ST. - RT	29	
56+42	CHISHOLM ST. - LT	29	
57+25	CHISHOLM ST. - RT	47	
58+22	CHISHOLM ST. - LT	20	
64+50	CHISHOLM ST. - RT	28	
72+50	177TH AVE. - RT	36	
TOTAL		527	

SAWCUT CONCRETE CURB			AH
STATION	LOCATION	LIN FT	
14+96	CENTRAL AVE. - RT	2	
15+41	CENTRAL AVE. - RT	2	
15+70	CENTRAL AVE. - RT	2	
17+43	CENTRAL AVE. - RT	2	
17+64	CENTRAL AVE. - RT	2	
30+82	175TH LN. - RT	2	
30+92	175TH LN. - RT	2	
51+42	176TH LN. - RT	2	
51+74	176TH LN. - RT	2	
55+80	CHISHOLM ST. - RT	2	
56+82	CHISHOLM ST. - RT	2	
64+38	CHISHOLM ST. - RT	2	
64+68	CHISHOLM ST. - RT	2	
68+47	CHISHOLM ST. - RT	3	
TOTAL		29	

REMOVE BITUMINOUS DRIVEWAY			AI
STATION	LOCATION	SO YD	
14+75	CENTRAL AVE. - RT	91	
15+50	CENTRAL AVE. - RT	62	
17+00	CENTRAL AVE. - LT	120	
17+50	CENTRAL AVE. - RT	64	
23+25	CENTRAL AVE. - LT	112	
28+00	175TH LN. - LT	93	
28+75	175TH LN. - RT	163	
30+00	175TH LN. - LT	182	
30+75	175TH LN. - RT	87	
51+50	176TH LN. - RT	108	
51+74	176TH LN. - RT	14	
55+80	CHISHOLM ST. - RT	2	
56+82	CHISHOLM ST. - RT	2	
64+38	CHISHOLM ST. - RT	10	
64+68	CHISHOLM ST. - RT	10	
68+47	CHISHOLM ST. - RT	70	
TOTAL		272	

REMOVE CONCRETE CURB AND GUTTER			AG
STATION	LOCATION	LENGTH (LIN FT)	
14+96	CENTRAL AVE. - RT	37	
15+41	CENTRAL AVE. - RT	29	
15+70	CENTRAL AVE. - RT	29	
17+43	CENTRAL AVE. - RT	26	
17+64	CENTRAL AVE. - RT	25	
30+62	175TH LN. - RT	2	
30+92	175TH LN. - RT	4	
51+42	176TH LN. - RT	12	
51+74	176TH LN. - RT	14	
55+80	CHISHOLM ST. - RT	2	
56+82	CHISHOLM ST. - RT	2	
64+38	CHISHOLM ST. - RT	10	
64+68	CHISHOLM ST. - RT	10	
68+47	CHISHOLM ST. - RT	70	
TOTAL		272	

RECLAIM BITUMINOUS PAVEMENT			AB
STATION	LOCATION	SO YD	
13+38 TO 25+56	CENTRAL AVE. - ROADWAY	4,273	
25+56 TO 32+66	175TH LN. - ROADWAY	2,460	
50+00 TO 54+47	176TH LN. - ROADWAY	1,480	
54+47 TO 66+49	CHISHOLM ST. - ROADWAY	4,195	
70+00 TO 73+88	177TH AVE. - ROADWAY	1,417	
TOTAL		13,765	

SAWCUT BITUMINOUS PAVEMENT			AC
STATION	LOCATION	LIN FT	
66+48	CHISHOLM ST. - ROADWAY	106	
70+00	177TH AVE. - ROADWAY	109	
TOTAL		218	

SALVAGE WOODEN FENCE			AD
STATION	LOCATION	LIN FT	
28+45 TO 27+54	175TH LN. - LT	111	
28+25 TO 29+52	175TH LN. - LT	140	
TOTAL		251	

SALVAGE MAILBOX SUPPORT			AE
STATION	LOCATION	TYPE	
61+46	CHISHOLM ST. - LT	SINGLE	
TOTAL		1	

SALVAGE SIGN					AL
STATION	LOCATION	SIGN NO.	POST	PANEL LEGEND	
72+77	177TH AVE. - RT	C-1	1	PRIVATE SIGN LIQUOR STORE	
TOTAL			1		

REMOVE DRAINAGE STRUCTURE			AJ
STATION	LOCATION	QUANTITY	
13+82	CENTRAL AVE. - ROADWAY	2	
20+16	CENTRAL AVE. - ROADWAY	2	
26+24	175TH LN. - ROADWAY	2	
51+18	175TH LN. - ROADWAY	1	
51+45	176TH LN. - ROADWAY	1	
53+66	176TH LN. - ROADWAY	2	
TOTAL		10	

REMOVE PIPES			AK
STATION	LOCATION	LIN FT	
13+91	CENTRAL AVE. - RT	7	
13+92	CENTRAL AVE. - ROADWAY	44	
13+98	CENTRAL AVE. - LT	14	
20+08	CENTRAL AVE. - LT	10	
20+16	CENTRAL AVE. - ROADWAY	44	
20+16	CENTRAL AVE. - RT	86	
20+23	CENTRAL AVE. - LT	10	
28+24	175TH LN. - ROADWAY	45	
26+24	175TH LN. - RT	13	
51+20	176TH LN. - ROADWAY	53	
51+32	176TH LN. - RT	28	
53+57	176TH LN. - LT	12	
53+68	176TH LN. - ROADWAY	31	
53+67	176TH LN. - RT	9	
68+16	CHISHOLM ST. - ROADWAY	94	
TOTAL		510	

- NOTES:
- TOP OF GRADING SUBGRADE IS DEFINED AS THE BOTTOM OF THE CLASS 5 AGGREGATE BASE.
 - BITUMINOUS AND CONCRETE DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH M-40T SPEC. 2104.3C3.
 - COMPACTION OF ALL GRAZING AND BASE ITEMS SHALL BE BY THE "QUALITY COMPACTION METHOD".
 - USE TACK COAT BETWEEN ALL BITUMINOUS LAYERS AND BETWEEN BITUMINOUS AND CONCRETE CURB AND GUTTER. TACK COAT IS INCIDENTAL.
 - STRIP ALL TOPSOIL AREAS TO BE DISTURBED BY CONSTRUCTION AND REUSE TOPSOIL OR USE AS FILL OUTSIDE OF ROAD CORE.
 - WHENEVER THE WORD "INCIDENTAL" IS USED IN THIS PLAN, IT SHALL MEAN THIS WORK SHALL BE INCIDENTAL FOR WHICH NO DIRECT COMPENSATION WILL BE MADE.
 - STATIONING FOR LOCATION OF EXISTING AND NEW SIGNS IS APPROXIMATE.
 - EXISTING STREETS ARE APPROXIMATELY 3" TO 4" OF BITUMINOUS AND 4" OF CLASS 5.

REMOVE SIGN					AM
STATION	LOCATION	SIGN NO.	POST	CODE NO.	PANEL LEGEND
14+57	CENTRAL AVE. - RT	C-2	1	R1-1, R1-2	STOP & ALL-WAY
15+00	CENTRAL AVE. - RT	C-3	1	R1-1, R1-2	STOP & ALL-WAY
15+30	CENTRAL AVE. - LT	C-4	1	R1-1, R1-2	STOP & ALL-WAY
27+76	175TH LN. - LT	C-5	1	R1-1, W4-4P	STOP & CROSS TRAFFIC DOES NOT STOP
28+86	175TH LN. - LT	C-6	1	R7-1	NO PARKING ANY TIME
28+97	175TH LN. - RT	C-7	1	R1-1, W4-4P	STOP & CROSS TRAFFIC DOES NOT STOP
29+64	175TH LN. - RT	C-8	1	R7-1	NO PARKING ANY TIME
30+88	175TH LN. - RT	C-9	1	R1-1	STOP
31+33	175TH LN. - RT	C-10	1	R7-1	NO PARKING ANY TIME
32+27	175TH LN. - RT	C-11	1	R1-1	STOP
50+35	176TH LN. - LT	C-12	1	R1-1, R1-3P, D3-1	STOP, ALL-WAY, & STREET
51+81	176TH LN. - RT	C-13	1	R1-1	STOP
62+98	CHISHOLM ST. - LT	C-14	1	R7-1	NO PARKING ANY TIME
63+48	CHISHOLM ST. - RT	C-15	1	D3-1	STREET
84+25	CHISHOLM ST. - LT	C-16	1	R7-1	NO PARKING ANY TIME
64+78	CHISHOLM ST. - RT	C-17	1	R1-1	STOP
65+67	CHISHOLM ST. - LT	C-18	1	R7-1	NO PARKING ANY TIME
66+14	CHISHOLM ST. - RT	C-19	1	X3-1	RIGHT OF WAY MARKER: B-CORNER
66+19	CHISHOLM ST. - LT	C-20	1	X3-1	RIGHT OF WAY MARKER: B-CORNER
66+28	CHISHOLM ST. - RT	C-21	1	R1-1, W6-1L, W6-1R, X4-3	STOP, ONE-WAY LEFT, ONE-WAY RIGHT, & CYLINDER DELINEATOR
66+30	CHISHOLM ST. - LT	C-22	1	D3-1	STREET
66+43	CHISHOLM ST. - RT	C-23	1	X3-5	SNOW FLOW MARKER
70+24	177TH AVE. - RT	C-24	1	D3-1	STREET
70+33	177TH AVE. - LT	C-25	1	R1-1	STOP & ONE-WAY
70+92	177TH AVE. - RT	C-26	1	R2-1	SPEED LIMIT 30 M.P.H
72+77	177TH AVE. - RT	C-27	1	R1-1	STOP
TOTAL			26		

EARTHWORK SUMMARY		AN
EXCAVATION (CU YD) TOPSOIL 2,151 CU YD (EV) \ominus 6,937 CU YD (EV) \ominus COMMON EX 3,054 CU YD (EV) BIT RECLAIM 1,722 CU YD (EV)		EMBANKMENT (CU YD) TOPSOIL 2,151 CU YD (EV)/1.1 = 1,955 CU YD (CV) COMMON EX 1,499 CU YD (EV)/1.3 = 1,153 CU YD (CV) GRANULAR FILL 50 CU YD (CV)
		\ominus 3,158 CU YD (CV) \ominus 2,008 CU YD (CV) TOPSOIL 1,153 CU YD (CV) COMMON

- NOTES:
- TOTAL EXCAVATION (EV) REQUIRED FOR PROJECT.
 - TOTAL EMBANKMENT (CV) REQUIRED FOR PROJECT.

UTILITIES: LAMEN (763) 712-5017, CENTERPOINT ENERGY (763) 323-2760, COMCAST (952) 807-4078, CHENOWETH ENERGY (763) 323-4508, GREAT RIVERS ENERGY (763) 443-5984

DATE: 05/17/26 REC. NO. 48768

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

RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street, Ham Lake, MN 55304, Telephone 763-862-8000, Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001, HAM LAKE IMPROVEMENT PROJECT 2205, CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

EARTHWORK SUMMARY AND TABULATIONS

DWG: 2205 TAB 1, DATE: 05/12/26, JOB NUMBER: 2205, SHEET: 4 OF 61, FILE: 37-2-104



AGGREGATE BASE CLASS 5			BA
STATION TO STATION	LOCATION	TONS	
12+61 TO 25+56	CENTRAL AVE.	1,882	
25+56 TO 32+66	175TH LN.	929	
50+00 TO 54+47	176TH LN.	585	
54+47 TO 66+49	CHISHOLM ST.	1,670	
70+00 TO 73+88	177TH AVE.	538	
TOTAL			5,404

SHOULDER BASE AGGREGATE CLASS 5			BE
STATION TO STATION	LOCATION	TONS	
13+02 TO 13+26	CENTRAL AVE. - RT	7	
70+00 TO 72+37	177TH LN. - RT	68	
72+75 TO 73+88	177TH AVE. - RT	30	
70+02 TO 74+31	177TH AVE. - LT	121	
TOTAL			226

TYPE SP 12.5 BITUMINOUS WEARING COURSE MIXTURE (SPWEB340C)				BB
STATION TO STATION	LOCATION	SO. YD. (2 IN)	TONS	
12+61 TO 25+56	CENTRAL AVE.	4,132	500	
25+56 TO 32+66	175TH LN.	2,291	277	
50+00 TO 54+47	176TH LN.	1,447	175	
54+47 TO 66+49	CHISHOLM ST.	4,111	498	
70+00 TO 73+88	177TH AVE.	1,429	173	
TOTAL			1,623	

COMMERCIAL DRIVEWAY AGGREGATE BASE CLASS 5, 6"-THICK				BF
STATION	LOCATION	SO. YD.		
14+75	CENTRAL AVE. - RT	130		
15+50	CENTRAL AVE. - RT	83		
17+00	CENTRAL AVE. - LT	118		
17+50	CENTRAL AVE. - RT	76		
23+25	CENTRAL AVE. - LT	115		
28+00	175TH LN. - LT	75		
28+75	175TH LN. - RT	151		
30+00	175TH LN. - LT	167		
30+75	175TH LN. - RT	77		
51+50	176TH LN. - RT	104		
55+65	CHISHOLM ST. - RT	70		
56+42	CHISHOLM ST. - LT	55		
57+25	CHISHOLM ST. - RT	193		
58+22	CHISHOLM ST. - LT	74		
64+50	CHISHOLM ST. - RT	103		
72+50	177TH AVE. - RT	89		
TOTAL			1,680	

TYPE SP 9.5 BITUMINOUS WEARING COURSE MIXTURE (SPWEA340C)				BC
STATION TO STATION	LOCATION	SO. YD. (2 IN)	TONS	
12+61 TO 25+56	CENTRAL AVE.	4,132	500	
25+56 TO 32+66	175TH LN.	2,291	277	
50+00 TO 54+47	176TH LN.	1,447	175	
54+47 TO 66+49	CHISHOLM ST.	4,111	498	
70+00 TO 73+88	177TH AVE.	1,429	173	
TOTAL			1,623	

CONCRETE CURB & GUTTER DESIGN B618			BD
STATION TO STATION	LOCATION	LN FT	
12+60 TO 14+58	CENTRAL AVE. - LT	201	
13+28 TO 25+56	CENTRAL AVE. - RT	1,242	
15+43 TO 25+56	CENTRAL AVE. - LT	984	
25+56 TO 32+49	175TH LN. - LT	689	
25+56 TO 32+51	175TH LN. - RT	724	
50+12 TO 54+47	176TH LN. - LT	452	
50+18 TO 54+47	176TH LN. - RT	442	
54+47 TO 66+44	CHISHOLM ST. - LT	1,220	
54+47 TO 63+32	CHISHOLM ST. - RT	873	
64+25 TO 66+47	CHISHOLM ST. - RT	232	
TOTAL			7,079

RESIDENTIAL DRIVEWAY AGGREGATE BASE CLASS 5, 4"-THICK				BG
STATION	LOCATION	SO. YD.		
61+60	CHISHOLM ST. - LT	100		
TOTAL			100	

TYPE SP 9.5 BITUMINOUS WEARING COURSE MIXTURE (SPWEA340C) 2"-RESIDENTIAL DRIVEWAY				BH
STATION	LOCATION	SO. YD.		
61+60	CHISHOLM ST. - LT	52		
TOTAL			52	

TYPE SP 12.5 BITUMINOUS WEARING COURSE MIXTURE (SPWEB340C) 2"-COMMERCIAL DRIVEWAY				BI
STATION	LOCATION	SO. YD.		
14+75	CENTRAL AVE. - RT	90		
15+50	CENTRAL AVE. - RT	51		
17+00	CENTRAL AVE. - LT	80		
17+50	CENTRAL AVE. - RT	46		
23+25	CENTRAL AVE. - LT	78		
28+00	175TH LN. - LT	44		
28+75	175TH LN. - RT	104		
30+00	175TH LN. - LT	118		
30+75	175TH LN. - RT	48		
51+50	176TH LN. - RT	70		
55+65	CHISHOLM ST. - RT	40		
56+42	CHISHOLM ST. - LT	33		
57+25	CHISHOLM ST. - RT	142		
58+22	CHISHOLM ST. - LT	43		
64+50	CHISHOLM ST. - RT	69		
72+50	177TH AVE. - RT	89		
TOTAL			1,145	

TYPE SP 9.5 BITUMINOUS WEARING COURSE MIXTURE (SPWEA340C) 1"-COMMERCIAL DRIVEWAY				BJ
STATION	LOCATION	SO. YD.		
14+75	CENTRAL AVE. - RT	90		
15+50	CENTRAL AVE. - RT	51		
17+00	CENTRAL AVE. - LT	80		
17+50	CENTRAL AVE. - RT	46		
23+25	CENTRAL AVE. - LT	78		
28+00	175TH LN. - LT	44		
28+75	175TH LN. - RT	104		
30+00	175TH LN. - LT	118		
30+75	175TH LN. - RT	48		
51+50	176TH LN. - RT	70		
55+65	CHISHOLM ST. - RT	40		
56+42	CHISHOLM ST. - LT	33		
57+25	CHISHOLM ST. - RT	142		
58+22	CHISHOLM ST. - LT	43		
64+50	CHISHOLM ST. - RT	69		
72+50	177TH AVE. - RT	89		
TOTAL			1,145	

SILT FENCE			BK
STATION TO STATION	LOCATION	LN. FT.	
12+56 TO 14+44	CENTRAL AVE. - LT	503	
20+03 TO 20+32	CENTRAL AVE. - RT	221	
21+00 TO 25+56	CENTRAL AVE. - RT	683	
25+56 TO 28+43	CENTRAL AVE. - RT	637	
50+62 TO 53+75	176TH LN. - LT	580	
53+78 TO 54+47	176TH LN. - LT	94	
54+47 TO 56+28	CHISHOLM ST. - LT	210	
56+57 TO 57+89	CHISHOLM ST. - LT	132	
63+17 TO 66+47	CHISHOLM ST. - LT	539	
64+79 TO 66+46	CHISHOLM ST. - RT	317	
70+03 TO 72+37	177TH AVE. - RT	253	
70+11 TO 72+01	177TH AVE. - LT	208	
TOTAL			4,387

RIPRAP CLASS 3			BL
STATION	LOCATION	CU. YD.	
14+23	CENTRAL AVE. - LT	4.9	
20+16	CENTRAL AVE. - RT	16.2	
24+66	CENTRAL AVE. - RT	4.9	
26+75	175TH LN. - RT	4.9	
53+65	176TH LN. - LT	12.3	
64+89	CHISHOLM ST. - RT	6.8	
66+25	CHISHOLM ST. - LT	7.1	
TOTAL			57.1

GEOTEXTILE FABRIC TYPE 4			BM
STATION	LOCATION	SO. YD.	
14+23	CENTRAL AVE. - LT	20.7	
20+16	CENTRAL AVE. - RT	43.2	
24+66	CENTRAL AVE. - RT	20.7	
26+75	175TH LN. - RT	20.7	
53+65	176TH LN. - LT	41.6	
64+89	CHISHOLM ST. - RT	26.2	
66+25	CHISHOLM ST. - LT	27.4	
TOTAL			209.5

6" CONCRETE PAVEMENT - DRIVEWAY				BN
STATION	LOCATION	SO. YD.		
14+75	CENTRAL AVE. - RT	27		
15+50	CENTRAL AVE. - RT	22		
17+00	CENTRAL AVE. - LT	26		
17+50	CENTRAL AVE. - RT	20		
23+25	CENTRAL AVE. - LT	27		
28+00	175TH LN. - LT	25		
28+75	175TH LN. - RT	39		
30+00	175TH LN. - LT	37		
30+75	175TH LN. - RT	21		
51+50	176TH LN. - RT	24		
55+65	CHISHOLM ST. - RT	22		
56+42	CHISHOLM ST. - LT	17		
57+25	CHISHOLM ST. - RT	37		
58+22	CHISHOLM ST. - LT	20		
64+50	CHISHOLM ST. - RT	22		
TOTAL			386	

YELLOW PAVEMENT MARKINGS PARKING LOT					BO
STATION	LOCATION	CODE	DESCRIPTION	AREA (SQ. FT.)	
30+72	175TH LN. - RT	PMA-1	THROUGH ARROW	12.2	
30+83	175TH LN. - RT	PMA-1	THROUGH ARROW	12.2	
64+48	CHISHOLM ST. - RT	PMA-1	THROUGH ARROW	12.2	
64+58	CHISHOLM ST. - RT	PMA-1	THROUGH ARROW	12.2	
TOTAL				48.8	

4" DOUBLE SOLID LINE YELLOW-PAINT				BP
STATION TO STATION	LOCATION	LN. FT.		
13+26 TO 14+56	CENTRAL AVE. - ROADWAY	130		
15+43 TO 25+56	CENTRAL AVE. - ROADWAY	1,013		
25+56 TO 32+20	175TH LN. - ROADWAY	664		
50+44 TO 54+47	176TH LN. - ROADWAY	403		
54+47 TO 63+32	CHISHOLM ST. - ROADWAY	885		
64+25 TO 66+33	CHISHOLM ST. - ROADWAY	208		
70+42 TO 73+63	177TH AVE. - ROADWAY	321		
TOTAL			3,624	

CONCRETE CURB & GUTTER DESIGN B612 - DRIVEWAY				BQ
STATION	LOCATION	LN FT		
14+60	CENTRAL AVE. - RT	37		
14+99	CENTRAL AVE. - RT	36		
15+37	CENTRAL AVE. - RT	27		
15+70	CENTRAL AVE. - RT	26		
16+87	CENTRAL AVE. - LT	30		
17+23	CENTRAL AVE. - LT	33		
17+41	CENTRAL AVE. - RT	24		
17+71	CENTRAL AVE. - RT	26		
22+99	CENTRAL AVE. - LT	27		
23+39	CENTRAL AVE. - LT	29		
27+73	175TH LN. - LT	20		
28+15	175TH LN. - LT	19		
28+29	175TH LN. - RT	27		
28+94	175TH LN. - RT	17		
29+73	175TH LN. - LT	33		
30+28	175TH LN. - LT	30		
30+60	175TH LN. - RT	23		
30+83	175TH LN. - RT	23		
51+42	176TH LN. - RT	28		
51+77	176TH LN. - RT	26		
55+47	CHISHOLM ST. - RT	22		
55+84	CHISHOLM ST. - RT	22		
56+27	CHISHOLM ST. - LT	13		
56+57	CHISHOLM ST. - LT	13		
56+95	CHISHOLM ST. - RT	22		
57+49	CHISHOLM ST. - RT	54		
58+11	CHISHOLM ST. - LT	20		
58+39	CHISHOLM ST. - LT	39		
64+38	CHISHOLM ST. - RT	32		
64+68	CHISHOLM ST. - RT	31		
TOTAL			809	

MAILBOX SUPPORT (SWING-AWAY TYPE)				BR
STATION	LOCATION	TYPE		
61+46	CHISHOLM ST. - LT	SINGLE		
TOTAL			1	

- NOTES:
- TOP OF GRADING SUBGRADE IS DEFINED AS THE BOTTOM OF THE CLASS 5 AGGREGATE BASE.
 - BITUMINOUS AND CONCRETE DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH MNDOT SPEC. 2104.3C3.
 - COMPACTION OF ALL GRADING AND BASE ITEMS SHALL BE BY THE "QUALITY COMPACTION METHOD".
 - USE TACK COAT BETWEEN ALL BITUMINOUS LAYERS AND BETWEEN BITUMINOUS AND CONCRETE CURB AND GUTTER. TACK COAT IS INCIDENTAL. STRIP ALL TOPSOIL AREAS TO BE DISTURBED BY CONSTRUCTION AND REUSE TOPSOIL OR USE AS FILL OUTSIDE OF ROAD CORE.
 - WHenever the word "INCIDENTAL" IS USED IN THIS PLAN, IT SHALL MEAN THIS WORK SHALL BE INCIDENTAL FOR WHICH NO DIRECT COMPENSATION WILL BE MADE.
 - STATIONING FOR LOCATION OF EXISTING AND NEW SIGNS IS APPROXIMATE.
 - SIGNS INSTALLED BY OTHERS, POST INSTALLED BY OTHERS IF STAND ALONE SIGN.
 - PLANGED CHANNEL POSTS SHALL CONFORM TO MNDOT SPEC. 3401.2D FOR 3 POUNDS PER FOOT.
 - SIGNS SHALL CONFORM TO THE LATEST MNDOT.



UTILITIES:
 LUMEN (763) 712-5917
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 807-4078
 CONSOLIDATED ENERGY (763) 323-6088
 GREAT RIVERS ENERGY (763) 443-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
David R. Kuehn
 DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

SIGN PANELS TYPE C										BS
SIGN NO.	NOTE	TOTAL QTY.	NUMBER OF POSTS	POST TYPE	BASE TYPE	PANEL		CODE NO.	PANEL LEGEND	
						SIZE (IN)	TOTAL AREA (SQ. FT.)			
C-50		12	SINGLE	FLANGED CHANNEL		30 X 30	6	72	R1-1	STOP
C-51		2	SINGLE	FLANGED CHANNEL		24 X 30	5	10	R2-1	SPEED LIMIT 30 M.P.H.
C-52		1	SINGLE	FLANGED CHANNEL		36 X 30	7.5	7.5	R3-8DA	LANE USE CONTROL: COMBINED THRU/LEFT TURN ARROW & RIGHT TURN ONLY
C-53		24	SINGLE	FLANGED CHANNEL		24 X 24	4	96	R8-3	NO PARKING
C-54		2	DOUBLE	FLANGED CHANNEL		48 X 60	20	40		TYPE 3 BARRICADE
C-55		2	SINGLE	FLANGED CHANNEL		30 X 30	6	12	W1-1R	TURN LEFT
C-56		2	SINGLE	FLANGED CHANNEL		30 X 30	6	12	W1-1L	TURN RIGHT
C-57		1	DOUBLE	FLANGED CHANNEL		48 X 24	8	8	W1-7	TWO-DIRECTION LARGE ARROW
C-58		1	DOUBLE	FLANGED CHANNEL		48 X 24	8	8	W1-6R	ONE-DIRECTION LARGE ARROW RIGHT
C-59		3	SINGLE	FLANGED CHANNEL		24 X 12	2	6	W4-4P	CROSS TRAFFIC DOES NOT STOP
C-60		1	SINGLE	FLANGED CHANNEL		36 X 12	3	3	R6-1R	ONE WAY
C-61		1	SINGLE	FLANGED CHANNEL		36 X 12	3	3	R6-1L	ONE WAY
C-62		4	SINGLE	FLANGED CHANNEL		18 X 18	2.25	9	W13-1P	20 M.P.H. ADVISORY SPEED
C-63		1	SINGLE	FLANGED CHANNEL		9 HIGH, 6 DIAMETER	3.9	3.9	X4-3	CYLINDER DELINEATOR
C-64	B	5	SINGLE			VARIES X 8			D3-1	STREET
C-65		1	DOUBLE	FLANGED CHANNEL		48 X 24	8	8	W1-6L	ONE-DIRECTION LARGE ARROW LEFT
C-66	11	1	SINGLE	2.5" SQUARE TUBE	SLIP BASE ASSEMBLY	30 X 30	6	6	R1-1	STOP
C-67	11	1	SINGLE	2.5" SQUARE TUBE	SLIP BASE ASSEMBLY	36 X 12	3	3	R6-1R	ONE WAY
C-68	11	1	SINGLE	2.5" SQUARE TUBE	SLIP BASE ASSEMBLY	9 HIGH, 6 DIAMETER	3.9	3.9	X4-3	CYLINDER DELINEATOR
TOTAL								311.3		

WHITE PAVEMENT MARKINGS ROADWAY					BV
STATION	LOCATION	CODE	DESCRIPTION	AREA (SQ. FT.)	
66+12	CHISHOLM ST. - ROADWAY	PMA-2R	RIGHT TURN ARROW	15.5	
66+12	CHISHOLM ST. - ROADWAY	PMA-3L	COMBINED THROUGH & LEFT TURN ARROW	30	
TOTAL				45.5	

STORM DRAIN INLET PROTECTION			BX
STATION	LOCATION	QUANTITY	
13+80	CENTRAL AVE. - RT	1	
14+23	CENTRAL AVE. - LT	1	
14+23	CENTRAL AVE. - RT	1	
19+80	CENTRAL AVE. - LT	1	
19+80	CENTRAL AVE. - RT	1	
24+66	CENTRAL AVE. - LT	1	
24+66	CENTRAL AVE. - RT	1	
26+75	175TH LN. - LT	1	
26+75	175TH LN. - RT	1	
30+50	175TH LN. - LT	1	
32+19	175TH LN. - LT	1	
50+47	176TH LN. - RT	1	
54+25	176TH LN. - RT	1	
54+97	CHISHOLM ST. - LT	1	
54+97	CHISHOLM ST. - RT	1	
57+72	CHISHOLM ST. - LT	1	
57+72	CHISHOLM ST. - RT	1	
58+18	CHISHOLM ST. - RT	1	
63+94	CHISHOLM ST. - LT	1	
64+03	CHISHOLM ST. - RT	1	
66+11	CHISHOLM ST. - RT	1	
66+33	CHISHOLM ST. - LT	1	
66+47	CHISHOLM ST. - RT	1	
TOTAL		23	

12" SOLID LINE WHITE-PAINT (STOP BAR)			BT
STATION	LOCATION	LIN. FT.	
73+63	177TH AVE. - ROADWAY	14	
TOTAL		14	

CULVERT END CONTROL			BW
STATION	LOCATION	QUANTITY	
13+89	CENTRAL AVE. - LT	1	
14+23	CENTRAL AVE. - LT	1	
20+16	CENTRAL AVE. - RT	1	
24+66	CENTRAL AVE. - RT	1	
26+75	175TH LN. - RT	1	
53+85	176TH LN. - LT	1	
64+89	CHISHOLM ST. - RT	1	
65+07	CHISHOLM ST. - RT	1	
66+25	CHISHOLM ST. - LT	1	
TOTAL		9	

4" SOLID SINGLE LINE WHITE-PAINT			BU
STATION	LOCATION	LIN. FT.	
65+64 TO 66+32	CHISHOLM ST. - ROADWAY	45	
TOTAL		45	

NOTES:

- TOP OF GRADING SUBGRADE IS DEFINED AS THE BOTTOM OF THE CLASS 5 AGGREGATE BASE.
- BITUMINOUS AND CONCRETE DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH MNDOT SPEC. 2104.3C3.
- COMPACTION OF ALL GRADING AND BASE ITEMS SHALL BE BY THE "QUALITY COMPACTION METHOD".
- USE TACK COAT BETWEEN ALL BITUMINOUS LAYERS AND BETWEEN BITUMINOUS AND CONCRETE CURB AND GUTTER. TACK COAT IS INCIDENTAL. STRIP ALL TOPSOIL AREAS TO BE DISTURBED BY CONSTRUCTION AND REUSE TOPSOIL OR USE AS FILL OUTSIDE OF ROAD CORE.
- WHENEVER THE WORD "INCIDENTAL" IS USED IN THIS PLAN, IT SHALL MEAN THIS WORK SHALL BE INCIDENTAL FOR WHICH NO DIRECT COMPENSATION WILL BE MADE.
- STATIONING FOR LOCATION OF EXISTING AND NEW SIGNS IS APPROXIMATE.
- SIGN INSTALLED BY OTHERS. POST INSTALLED BY OTHERS IF STAND ALONE SIGN.
- FLANGED CHANNEL POSTS SHALL CONFORM TO MNDOT SPEC. 3401.2D FOR 3 POUNDS PER FOOT.
- SIGNS SHALL CONFORM TO THE LATEST MNDOTUC.
- MNDOT SIGNS SHALL USE A SLIP BASE ASSEMBLY AND SQUARE TUBE POSTS.



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONNEXUS ENERGY (763) 323-6588
 GREAT RIVERS ENERGY (763) 445-5984

DATE REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Don Kasper
 DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 EARTHWORK SUMMARY AND TABULATIONS

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK FILE: 37-2-106

DWG: 2205 TAB 3
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 6 OF 61

UTILITY COMPANIES - CA
GOPHER STATE ONE CALL FIELD UTILITY LOCATE REQUEST
CENTERPOINT ENERGY
COMCAST CABLE COMMUNICATIONS, INC.
CONNEXUS ENERGY
GREAT RIVER ENERGY
LUMEN
MINNESOTA DEPARTMENT OF TRANSPORTATION
ZAYO BANDWIDTH

CENTERPOINT ENERGY				CB
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
CENTRAL AVENUE	14+58 TO 16+44	15.5' RT	BURIED GAS	LEAVE AS IS
CENTRAL AVENUE	14+58	0'	BURIED GAS	LEAVE AS IS
175TH LANE	25+22 TO 32+66	21' RT	BURIED GAS	RELOCATE
176TH LANE	50+18 TO 54+47	23' LT	BURIED GAS	LEAVE AS IS
176TH LANE	51+02	0'	BURIED GAS	LEAVE AS IS
CHISHOLM STREET	54+47 TO 64+04	23' LT	BURIED GAS	LEAVE AS IS
CHISHOLM STREET	57+66	0'	BURIED GAS	LEAVE AS IS
CHISHOLM STREET	64+04 TO 66+48	23' LT	BURIED GAS	RELOCATE
CHISHOLM STREET	64+03	0'	BURIED GAS	RELOCATE

ZAYO BANDWIDTH				CC
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
CENTRAL AVENUE	21+04	0'	BURIED FIBER OPTIC	LEAVE AS IS
CENTRAL AVENUE	21+05 TO 25+24	70' RT	BURIED FIBER OPTIC	LEAVE AS IS
CHISHOLM STREET	66+40	46' LT	BURIED FIBER OPTIC	LEAVE AS IS
177TH AVENUE	70+74	0'	BURIED FIBER OPTIC	LEAVE AS IS

MINNESOTA DOT				CD
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
CENTRAL AVENUE	21+05 TO 25+24	70' RT	BURIED FIBER OPTIC	LEAVE AS IS
177TH AVENUE	70+74	0'	BURIED FIBER OPTIC	LEAVE AS IS

GENERAL NOTES:

1. STATIONING REFERENCES THE PROPOSED CENTERLINES FOR THE PROJECT.
2. ALL REMOVALS AND RELOCATIONS, EXCEPT FOR MnDOT FACILITIES, ARE TO BE COMPLETED BY THE UTILITY OWNER.

LUMEN				CE
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
CENTRAL AVENUE	13+38 TO 15+07	VARIES RT	BURIED FIBER OPTIC	ABANDON IN PLACE OR REMOVE.
CENTRAL AVENUE	15+07	0'	BURIED FIBER OPTIC	ABANDON IN PLACE OR REMOVE.
176TH LANE	50+18 TO 54+47	VARIES LT	BURIED FIBER OPTIC	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	54+47 TO 55+51	22' LT	BURIED FIBER OPTIC	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	55+51 TO 56+14	36.5' LT	BURIED FIBER OPTIC	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	56+14	0'	BURIED CABLE	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	56+14 TO 57+49	24' LT	BURIED CABLE	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	57+49	0'	BURIED CABLE	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	57+49 TO 61+83	24' LT	BURIED CABLE	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	61+83 TO 63+00	24' LT	BURIED CABLE	ABANDON IN PLACE OR REMOVE.
CHISHOLM STREET	63+00	0'	BURIED CABLE	ABANDON IN PLACE OR REMOVE.
177TH AVENUE	70+74 TO 73+88	28' RT	BURIED FIBER OPTIC	ABANDON IN PLACE OR REMOVE.
177TH AVENUE	73+88	0'	BURIED FIBER OPTIC	LEAVE AS IS

COMCAST				CF
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
175TH LANE	26+00 TO 32+66	18' RT	BURIED FIBER OPTIC	RELOCATE
175TH LANE	29+50	0'	BURIED FIBER OPTIC	RELOCATE
175TH LANE	29+50 TO 32+01	22' LT	BURIED FIBER OPTIC	RELOCATE
175TH LANE	32+01	0'	BURIED FIBER OPTIC	RELOCATE
CHISHOLM STREET	56+14 TO 64+00	24' LT	BURIED FIBER OPTIC	RELOCATE
CHISHOLM STREET	64+00	0'	BURIED FIBER OPTIC	RELOCATE
CHISHOLM STREET	64+00 TO 66+30	24' LT	BURIED FIBER OPTIC	RELOCATE

GREAT RIVER ENERGY				CG
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
177TH AVENUE	70+00 TO 74+45	33' RT	OVERHEAD ELECTRIC	LEAVE AS IS

CONNEXUS ENERGY				CH
ALIGNMENT	STATION	OFFSET	INPLACE ITEM	NOTES
CENTRAL AVENUE	13+38 TO 15+07	VARIES RT	BURIED ELECTRIC	LEAVE AS IS
CENTRAL AVENUE	15+23 TO 17+30	28' RT	BURIED ELECTRIC	LEAVE AS IS
CENTRAL AVENUE	16+56	0'	BURIED ELECTRIC	LEAVE AS IS
CENTRAL AVENUE	20+89 TO 25+56	22' RT	BURIED ELECTRIC	LEAVE AS IS
175TH LANE	25+56 TO 32+33	26' RT	BURIED ELECTRIC	LEAVE AS IS
175TH LANE	30+60 TO 32+31	31' LT	BURIED ELECTRIC	LEAVE AS IS
175TH LANE	32+31	0'	BURIED ELECTRIC	LEAVE AS IS
176TH LANE	50+31 TO 55+47	27' RT	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	54+47 TO 57+48	35' RT	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	55+88	0'	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	57+48	0'	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	61+88 TO 65+55	38' LT	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	63+53 TO 64+86	33' RT	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	64+08	0'	BURIED ELECTRIC	LEAVE AS IS
CHISHOLM STREET	64+86	0'	BURIED ELECTRIC	LEAVE AS IS
177TH AVENUE	71+88 TO 73+88	30' RT	BURIED ELECTRIC	LEAVE AS IS



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONNEXUS ENERGY (763) 323-6368
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Dave Krueger
 DATE 05/12/26 REG. NO. 48758

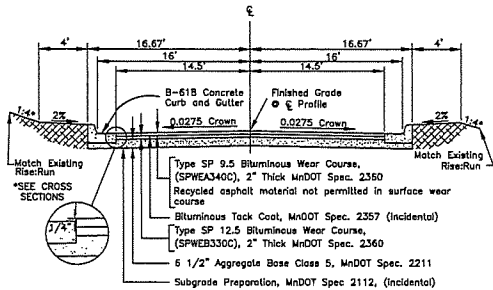
RFC ENGINEERING, INC.
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13635 Johnson Street
 Hom Lake, MN 55304
 Telephone 763-862-8000
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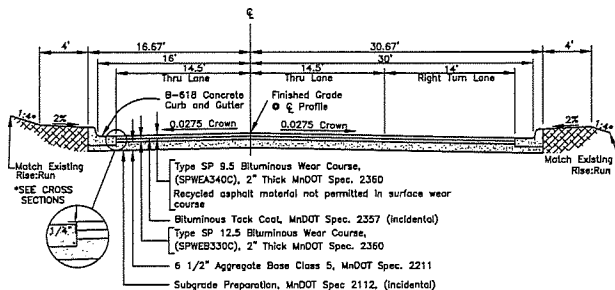
S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 UTILITY TABULATIONS

DWG: 2205 TAB 4
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 7 OF 61
 FILE: 37-2-107

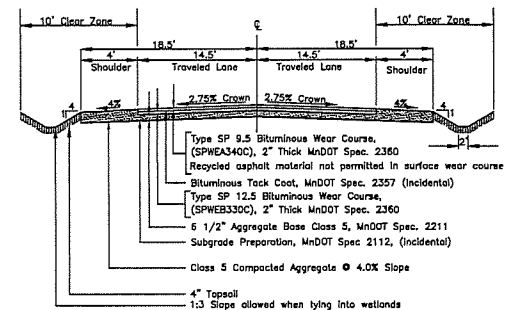
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



TYPICAL URBAN SECTION



TYPICAL URBAN SECTION



TYPICAL RURAL SUBURBAN SECTION - NO CURB

TYPICAL STREET SECTION
COMMERCIAL 9-TON RFC-366B1

TYPICAL STREET SECTION - TURN LANE
COMMERCIAL 9-TON RFC-366B1B

TYPICAL STREET SECTION
COMMERCIAL 9-TON RFC-366F12

NOT TO SCALE

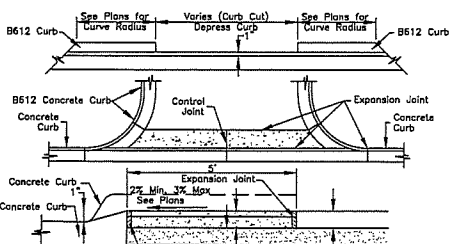
NOT TO SCALE

NOT TO SCALE

CENTRAL AVENUE/175TH LANE/176TH LANE/
CHISHOLM STREET STA 54+47 TO STA 65+00

CHISHOLM STREET
STA 65+00 TO STA 66+49

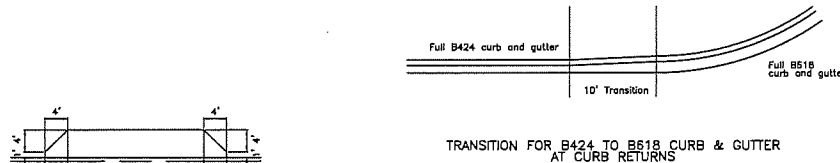
177TH AVENUE



- Note:
- Match existing driveway width and elevation at matchline unless otherwise directed by engineer (See Plans).
 - If existing driveway is concrete, apron and driveway shall be constructed of 6" concrete with 6" x 6" x 6" welded wire fabric per MnDOT Spec. 3303 in flat sheets, not rolls. Epoxy coated dowel bars conforming to MnDOT Spec. 3302 shall be placed in the existing driveway pavement along the apron line. Dowel bars shall be properly coated with a MnDOT approved lubricant. Dowel bars shall be #13, and placed at 24" OC spacing. All work shall conform to MnDOT Spec. 2301 and 2531. Concrete shall be per MnDOT Spec. 2461 for ready-mix with 3,000 PSI at 28 days, with air content of 5% to 7%. Coarse aggregate for concrete shall be per MnDOT Spec. 3137 with 1" max. Class A aggregate. Joint sealer shall be hot-poured, low modulus, mastic type per MnDOT Spec. 3725. Membrane curing compound shall be per MnDOT Spec. 3754 and 2301.3J. If existing driveway is gravel, apron and driveway within R/W shall be constructed per bituminous driveways.
 - Gravel driveways matching beyond R/W shall be 6" Class 5.
 - If existing driveway is bituminous, apron shall be constructed per concrete driveway and driveway behind apron shall be bituminous per note A. All bituminous work shall conform to MnDOT Specifications 2112, 2211, 2357 and 2350. Tack coat is to be applied between bituminous courses and between concrete and bituminous surfaces. Driveways in cut sections to slope up from 1" curb lip to R/W at 2% min, 3% max then slope to matchline. Driveways in fill sections to slope up from 1" curb lip to R/W at min of 2% then slope to matchline. See Plan for slope.

COMMERCIAL DRIVEWAY DETAIL RFC-370A1

NOT TO SCALE



TRANSITION CURB: B424 TO B618 RFC-356B

NOT TO SCALE

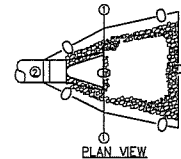
- Note:
- Match existing driveway apron type, width and elevation at matchline unless otherwise directed by engineer (See Plans).
 - If existing driveway is concrete (beyond apron), apron and driveway shall be constructed of 6" concrete with 6" x 6" x 6" welded wire fabric per MnDOT Spec. 3303 in flat sheets, not rolls. Epoxy coated dowel bars per MnDOT Spec. 3302 shall along the apron. Dowel bars shall be properly coated with a MnDOT approved lubricant. Dowel bars shall be size #4 and placed at 24" OC spacing. All work shall conform to MnDOT Spec. 2301 and 2531. Concrete shall be ready-mix 4,000 PSI at 28 days, with air content of 5% to 7%, coarse aggregate shall be 1" max, class A and per MnDOT Spec. 3137. Joint sealer shall be hot-poured, low modulus, mastic type per MnDOT Spec. 3725. Membrane curing compound shall be per MnDOT Spec. 3754 and 2301.3J. If existing driveway is bituminous (beyond apron), apron and driveway behind apron shall be bituminous per A, above. All bituminous work shall conform to MnDOT Specifications 2112, 2211, 2357 and 2350. Tack coat is to be applied between concrete and bituminous surfaces.
 - If existing driveway is gravel (beyond apron), apron and driveway within R/W shall be constructed per existing bituminous driveways. Gravel driveways matching beyond R/W shall be 6" Class 5.

PRIVATE DRIVEWAY/FIELD ENTRANCE RFC-363A1

NOT TO SCALE

TRANSITION CURB: B424 TO B618 RFC-356B

NOT TO SCALE



PLAN VIEW

SEDUCING:

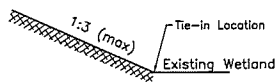
- Place silt fence along construction limits, the portion of silt fence in front of the pipe shall be removed during flared and section placement.
- Once the flared and section is placed, silt fence shall be furnished and installed around the top of the flared and section and surrounding the flared.
- Any additional outlet protection shall be added as required.
- Contractor may substitute silt fence for bio-roll or rock log to act as weir for flow into culvert.

SILT FENCE AT FES RFC-857

NOT TO SCALE

FORESLOPE DETAIL RFC-856A

NOT TO SCALE



CURB END DETAIL RFC-380A

NOT TO SCALE



UTILITIES:	LUMEN	(763) 715-5017
	CENTERPOINT ENERGY	(763) 323-2760
	COMCAST	(952) 607-4078
	CONQUEST ENERGY	(763) 323-0268
	GREAT RIVERS ENERGY	(763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David Kasper

DATE 05/12/25 REG. NO. 48728

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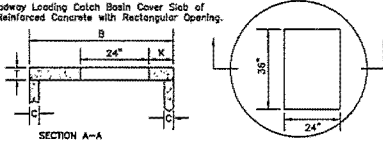
S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

TYPICAL SECTIONS AND DETAILS

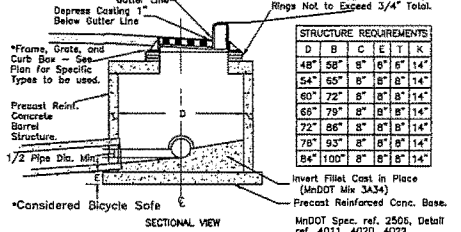
DWG: 2205 DTL 1
DATE: 05/12/25
JOB NUMBER: 2205
SHEET: 8 OF 61
FILE: 37-2-108

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

NOTE:
HS20 Roadway Loading Catch Basin Cover Slab of Precast Reinforced Concrete with Rectangular Opening.



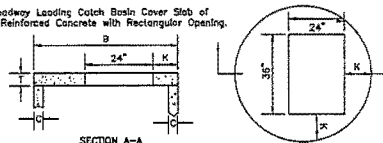
- Note:
1. Steps needed for structure height greater than 4'.
2. Cover Slab to Rest on Bed of Mortar on Full Thickness of Structure Walls, not to Rest on Pipe Tongue or Groove.
3. Location of Structure as Shown in Plans.
4. See Plan for Box One Gate Type.



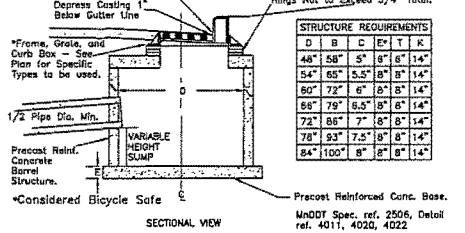
RECTANGULAR INLET FOR ROUND MANHOLE RFC-465A1

NOT TO SCALE
SPECIAL 1 = 48" ϕ

NOTE:
HS20 Roadway Loading Catch Basin Cover Slab of Precast Reinforced Concrete with Rectangular Opening.



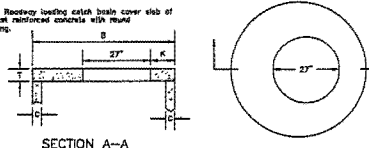
- Note:
1. Steps needed for structure height greater than 4'.
2. Cover Slab to Rest on Bed of Mortar on Full Thickness of Structure Walls, not to Rest on Pipe Tongue or Groove.
3. Location of Structure as Shown in Plans.
4. See Plan for Box and Gate Type.



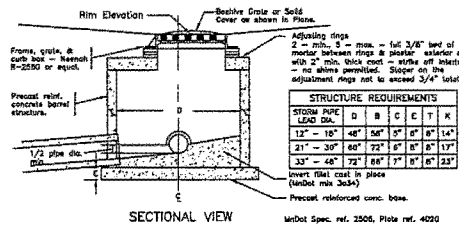
RECTANGULAR INLET FOR ROUND MANHOLE RFC-465A3

NOT TO SCALE
SPECIAL 2 = 60" ϕ
SPECIAL 3 = 72" ϕ

NOTE:
HS20 Roadway Loading Catch Basin Cover Slab of Precast Reinforced Concrete with Round Opening.

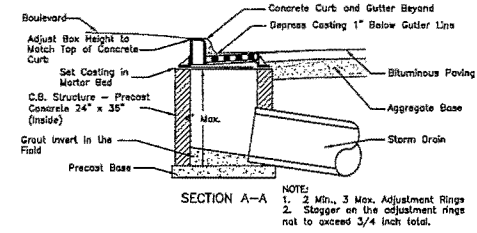
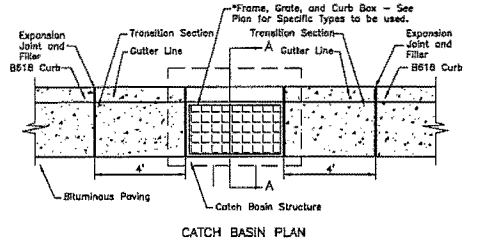


- Note:
1. Steps needed for structure height greater than 4'.
2. Cover Slab to Rest on Bed of Mortar on Full Thickness of Structure Walls, not to Rest on Pipe Tongue or Groove.
3. Location of Structure as Shown in Plans.
4. See Plan for Box and Gate Type.



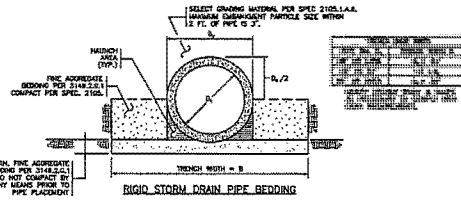
ROUND INLET FOR ROUND MANHOLE RFC-465C1

NOT TO SCALE
SPECIAL 4 = 48" ϕ



RECTANGULAR CATCH BASIN RFC-459C

NOT TO SCALE
SPECIAL



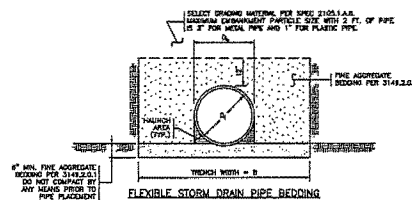
CONSTRUCTION SEQUENCE

1. LOOSELY PLACE 6" OF FINE AGGREGATE BEDDING MATERIAL TO GRADE TO NOT COMPACT PRIOR TO PIPE PLACEMENT.
2. FURROW AND INSTALL PIPE TO GRADE.
3. AFTER PLACEMENT OF THE PIPE PLACE ADDITIONAL BEDDING AND COVER THE FULL LENGTH ON BOTH SIDES OF THE PIPE UNDERNEATH THE MANHOLE AREA BY FIRST SHOVEL SLICING MANUALLY SHAPE THE BEDDING TO BE SLOPED AT AN ANGLE DOWN THE DOWNE LENGTH OF THE MANHOLE UNDER THE PIPE THEN COVER THE MANHOLE AT AN ANGLE USING A POWERED BEHEMOTH OR PNEUMATIC DRUMBLE BLEE FILL TAPPER COMPACT JACK OR SIMILAR COMPACT THE REMAINING MATERIAL UNDER THE MANHOLE AREA TO THE REQUIREMENTS OF THE APPLICABLE MATERIAL TYPE ENSURING THAT THE DOWNE LENGTH OF PIPE IS SUPPORTED UNIFORMLY BY BEDDING.
4. PLACE AND COMPACT BEDDING EVENLY AND UNIFORMITY ON 6" LIFTS ON EACH SIDE OF THE PIPE UP TO THE MID-HEIGHT WHEN COMPLETED.
5. COMPLETE REMAINING BACKFILL.

NOTES
DESIGNER & CONTRACTOR ALL TRENCHES AND SLOPES PER CSM REQUIREMENTS.
PIPE COSE IS BASED ON THE NORMAL WORK CONDITION.
PROTECT ALL PIPE DURING CONSTRUCTION PER SPEC. 3501 OR 2803.

STORM DRAIN BEDDING FOR RIGID AND FLEXIBLE PIPE RFC-654

NOT TO SCALE

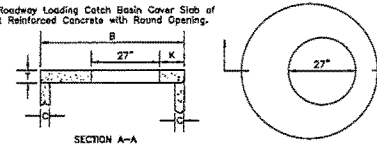


CONSTRUCTION SEQUENCE

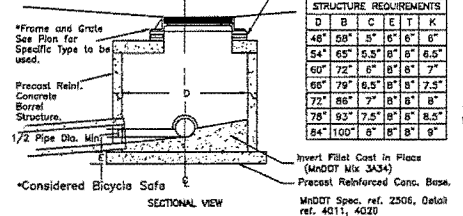
1. LOOSELY PLACE 6" OF FINE AGGREGATE BEDDING MATERIAL TO GRADE TO NOT COMPACT PRIOR TO PIPE PLACEMENT.
2. FURROW AND INSTALL PIPE TO GRADE.
3. AFTER PLACEMENT OF THE PIPE PLACE ADDITIONAL BEDDING AND COVER THE FULL LENGTH ON BOTH SIDES OF THE PIPE UNDERNEATH THE MANHOLE AREA BY FIRST SHOVEL SLICING MANUALLY SHAPE THE BEDDING TO BE SLOPED AT AN ANGLE DOWN THE DOWNE LENGTH OF THE MANHOLE UNDER THE PIPE THEN COVER THE MANHOLE AT AN ANGLE USING A POWERED BEHEMOTH OR PNEUMATIC DRUMBLE BLEE FILL TAPPER COMPACT JACK OR SIMILAR COMPACT THE REMAINING MATERIAL UNDER THE MANHOLE AREA TO THE REQUIREMENTS OF THE APPLICABLE MATERIAL TYPE ENSURING THAT THE DOWNE LENGTH OF PIPE IS SUPPORTED UNIFORMLY BY BEDDING.
4. PLACE AND COMPACT BEDDING EVENLY AND UNIFORMITY ON 6" LIFTS ON EACH SIDE OF THE PIPE UP TO THE MID-HEIGHT WHEN COMPLETED.
5. COMPLETE REMAINING BACKFILL.

NOTES
DESIGNER & CONTRACTOR ALL TRENCHES AND SLOPES PER CSM REQUIREMENTS.
PIPE COSE IS BASED ON THE NORMAL WORK CONDITION.
PROTECT ALL PIPE DURING CONSTRUCTION PER SPEC. 3501 OR 2803.

NOTE:
HS20 Roadway Loading Catch Basin Cover Slab of Precast Reinforced Concrete with Round Opening.



- Note:
1. Steps needed for structure height greater than 4'.
2. Cover Slab to Rest on Bed of Mortar on Full Thickness of Structure Walls, not to Rest on Pipe Tongue or Groove.
3. Location of Structure as Shown in Plans.



ROUND MANHOLE RFC-465C

NOT TO SCALE
SPECIAL 5 = 48" ϕ
SPECIAL 6 = 60" ϕ
SPECIAL 7 = 72" ϕ

FABRIC AROUND CATCH BASIN RFC-463A1

NOT TO SCALE



UTILITIES: LUMEN (763) 712-5517
CENTERPOINT ENERGY (763) 323-2780
COMCAST (962) 607-4078
CONEDUSA ENERGY (763) 223-4288
GREAT ENERGY (763) 445-5884

DATE: 05/12/28

REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 05/12/28 REG. NO. 451768

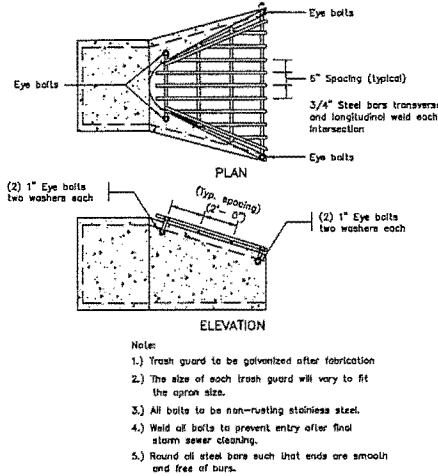
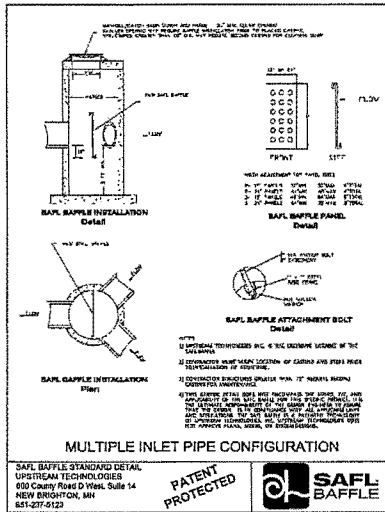
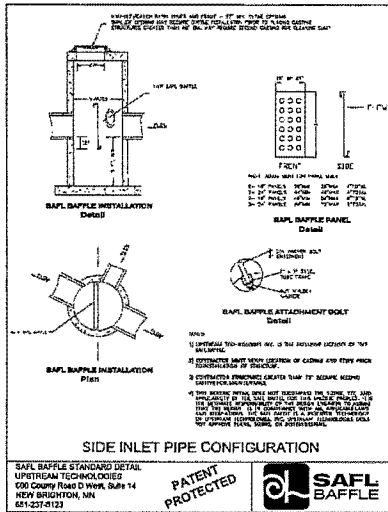
RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

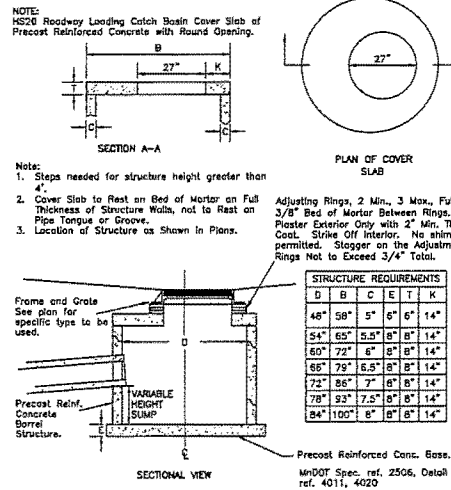
DWG: 2205 DTL 2
DATE: 05/12/28
JOB NUMBER: 2205
SHEET: 9 OF 61
FILE: 37-2-109

DESIGN BY: LOZ DRAWN BY: LOZ CHECKED BY: DAK



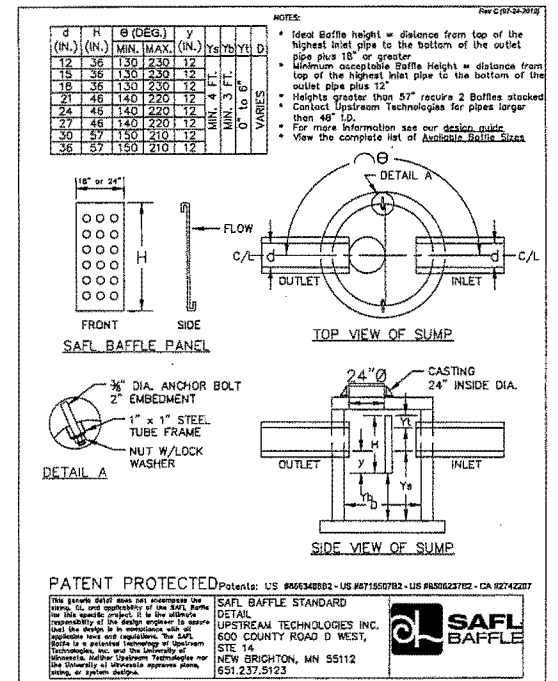
FOR PIPE DIAMETERS 30" AND SMALLER

RCP TRASH GUARD RFC-466B
NOT TO SCALE



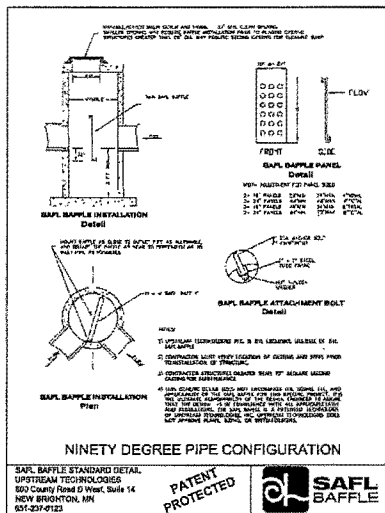
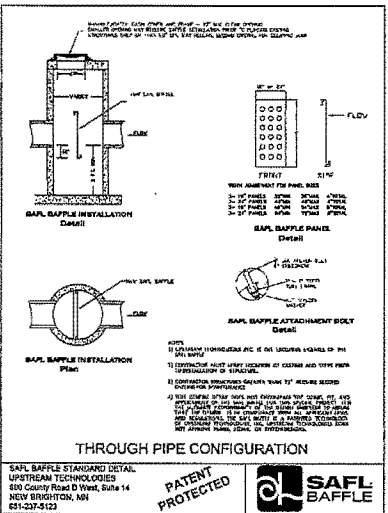
ROUND MANHOLE - VARIABLE SUMP RFC-465CS

NOT TO SCALE
SPECIAL 8 = 60" ø



CPP TRASH GUARD RFC-466C

NOT TO SCALE



COPPER STATE ONE CALL
800-252-1166 507-454-8082

UTILITIES:
LUMEN (763) 712-5017
CENTERPOINT ENERGY (763) 323-2780
COMCAST (952) 607-4078
CONCHUS ENERGY (763) 323-6386
GREAT RIVERS ENERGY (763) 445-5984

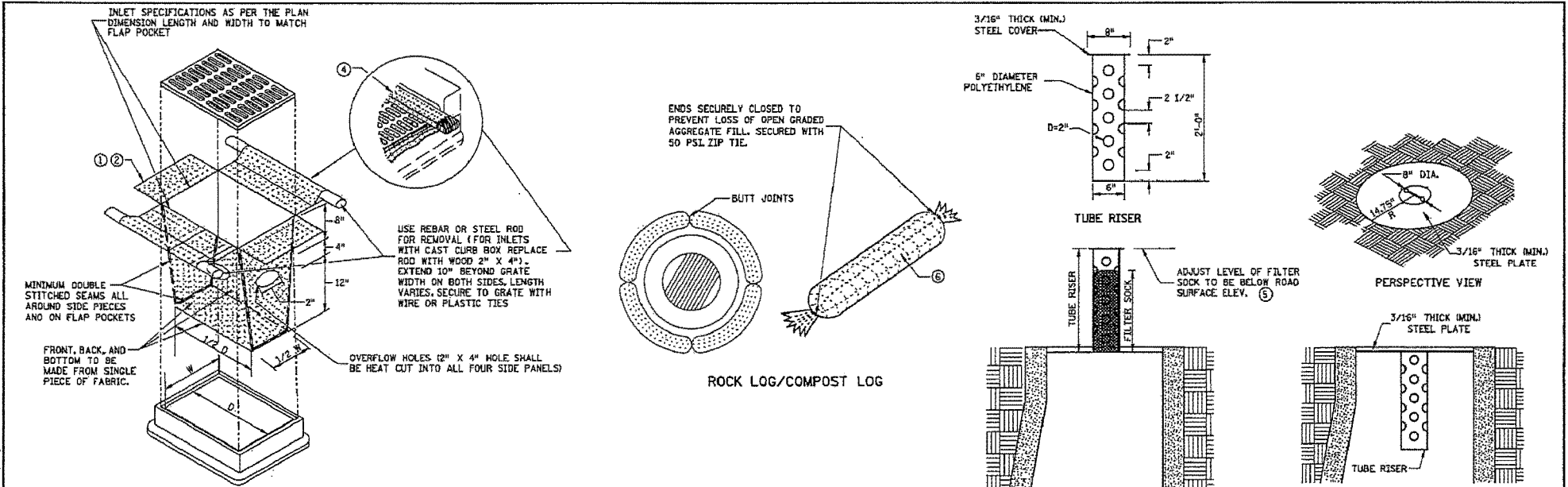
DATE	REVISION HISTORY
DATE 05/12/26	REG. NO. 45768

I HEREBY CERTIFY THAT THIS PLAN 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.
Don Ruppel
DATE 05/12/26 REG. NO. 45768

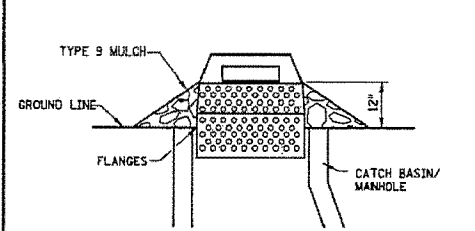
RFC ENGINEERING, INC.
Consulting Engineers
1635 Johnson Street
Horn Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
DETAILS
DESIGN BY: LDZ
DRAWN BY: LDZ
CHECKED BY: DAK

DWG: 2205 DTL 3
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 10 OF 61
FILE: 37-2-110

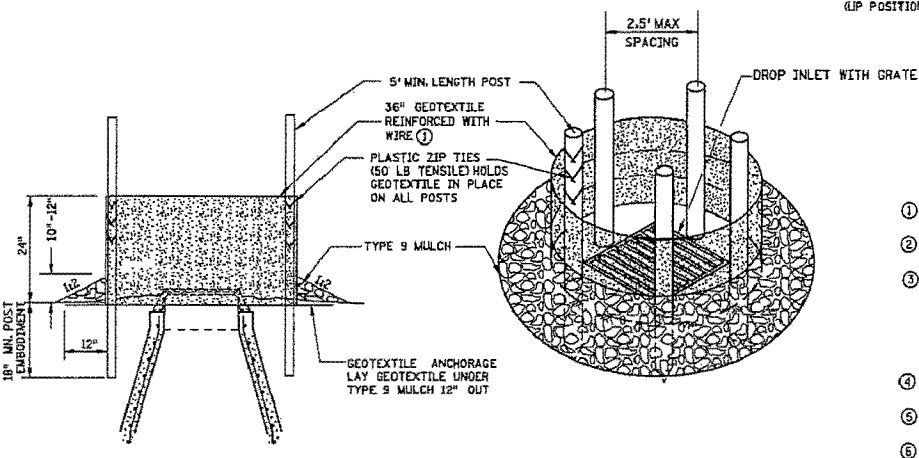


FILTER BAG INSERT ③
 (CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)

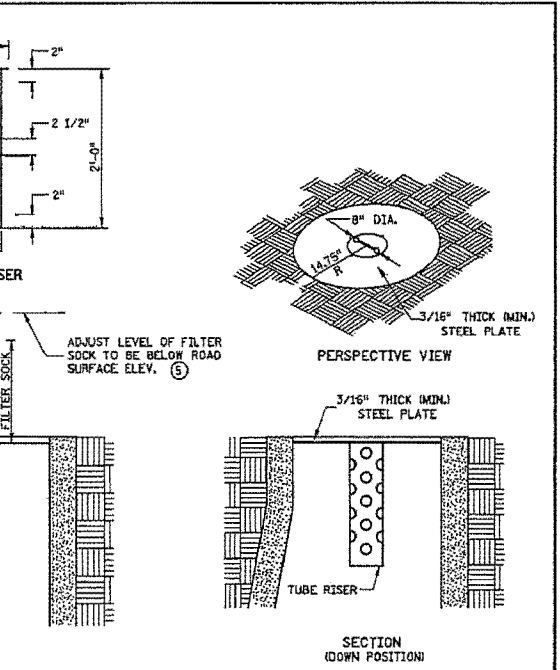


SEDIMENT CONTROL INLET HAT

NOTE:
 THE SEDIMENT CONTROL BARRIER SHALL BE A METAL OR PLASTIC/POLYETHYLENE RISER SIZED TO FIT INSIDE THE CATCH BASIN/MANHOLE; HAVE PERFORATIONS TO ALLOW FOR WATER INFILTRATION; HAVE AN OVERFLOW OPENING, FLANGES AND A LTD/COVER.





SILT FENCE RING AND ROCK FILTER BERM
 USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:1 OR LESS



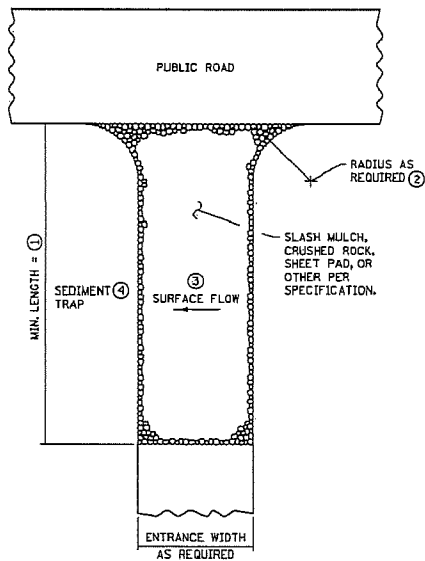
POP-UP HEAD

- NOTES:**
 SEE SPECS. 2573, 3137, & 3886.
- DEVICES MUST BE ADJUSTED ACCORDINGLY AS TO NOT CAUSE FLOODING ON ROADWAY THAT WOULD IMPEDE TRAFFIC FLOW.
- ① ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.
 - ② FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
 - ③ INSTALLATION NOTES:
 DO NOT PLACE FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE PLACED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
 - ④ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP SOCKS.
 - ⑤ SOCK HEIGHT MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE FLOODING OF THE ROADWAY.
 - ⑥ GEOTEXTILE SOCK BETWEEN 4-10 FEET LONG AND 4-6 INCH DIAMETER. SEAM TO BE JOINED BY TWO ROWS OF STITCHING WITH A PLASTIC MESH BACKING OR PROVIDE A HEAT BONDED SEAM (OR APPROVED EQUIVALENT). FILL ROCK LOG WITH OPEN GRADED AGGREGATE CONSISTING OF SOUND DURABLE PARTICLES OF COARSE AGGREGATE CONFORMING TO SPEC. 3137 TABLE 3137-1 CA-3 GRADATION.

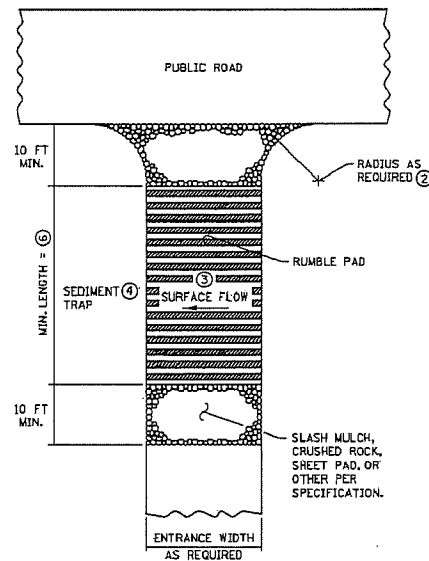
REVISION:
 APPROVED: 2-28-2017

 JEFF CLARK
 CIVIL ENGINEER

m MINNESOTA
 DEPARTMENT OF TRANSPORTATION
 STANDARD PLAN 5-297.405 4 OF 8
 APPROVED: 2-28-2017
 REVISION:

 STATE DESIGN ENGINEER

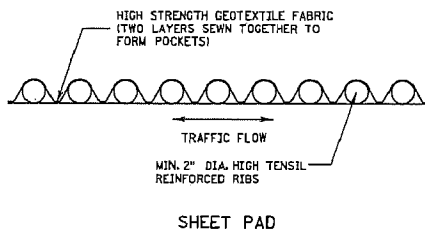
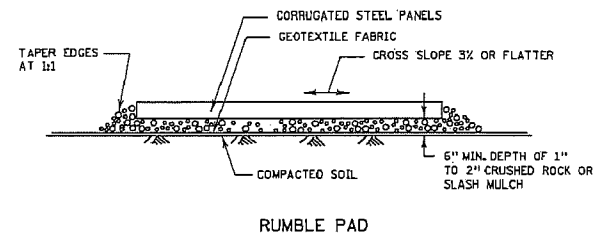
TEMPORARY SEDIMENT CONTROL
STORM DRAIN INLET PROTECTION
 (T.H.) SHEET NO. #1 OF 61 SHEETS



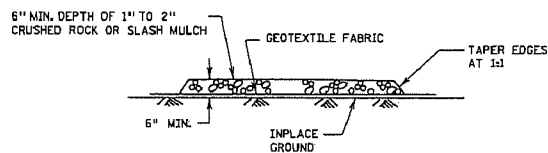
SLASH MULCH, CRUSHED ROCK, OR SHEET PAD CONSTRUCTION EXIT ③⑦



RUMBLE PAD CONSTRUCTION EXIT ③⑦



SHEET PAD



SLASH MULCH OR CRUSHED ROCK

NOTES:

SEE SPECS. 2573 & 3882.

- ① MINIMUM LENGTH SHALL BE THE GREATER OF 50 FEET OR A LENGTH SUFFICIENT TO ALLOW A MINIMUM OF 5 TIRE ROTATIONS ON THE PROVIDED PAD. MINIMUM LENGTH SHALL BE CALCULATED USING THE LARGEST TIRE WHICH WILL BE USED IN TYPICAL OPERATIONS.
- ② PROVIDE RADIUS OR WIDEN PAD SUFFICIENTLY TO PREVENT VEHICLE TIRES FROM TRACKING OFF OF PAD WHEN LEAVING SITE.
- ③ IF RUNOFF FROM DISTURBED AREAS FLOWS TOWARD CONSTRUCTION EXITS, PREVENT RUNOFF FROM DRAINING DIRECTLY TO PUBLIC ROAD OVER CONSTRUCTION EXIT BY CROWNING THE EXIT OR SLOPING TO ONE SIDE. IF SURFACE GRADING IS INSUFFICIENT, PROVIDE OTHER MEANS OF INTERCEPTING RUNOFF.
- ④ IF RUNOFF FROM CONSTRUCTION EXITS WILL DRAIN OFF OF PROJECT SITE, PROVIDE SEDIMENT TRAP WITH STABILIZED OVERFLOW.
- ⑤ IF A TIRE WASH OFF IS REQUIRED THE CONSTRUCTION EXITS SHALL BE GRADED TO DRAIN THE WASH WATER TO A SEDIMENT TRAP.
- ⑥ MINIMUM LENGTH OF RUMBLE PAD SHALL BE 20 FEET, OR AS REQUIRED TO REMOVE SEDIMENT FROM TIRES. IF SIGNIFICANT SEDIMENT IS TRACKED FROM THE SITE, THE RUMBLE PAD SHALL BE LENGTHENED OR THE DESIGN MODIFIED TO PROVIDE ADDITIONAL VIBRATION. WASH-OFF LENGTH SHALL BE AS REQUIRED TO EFFECTIVELY REMOVE CONSTRUCTION SEDIMENT FROM VEHICLE TIRES.
- ⑦ MAINTENANCE OF CONSTRUCTION EXITS SHALL OCCUR WHEN THE EFFECTIVENESS OF SEDIMENT REMOVAL HAS BEEN REDUCED. MAINTENANCE SHALL CONSIST OF REMOVING SEDIMENT AND CLEANING THE MATERIALS OR PLACING ADDITIONAL MATERIAL (SLASH MULCH OR CRUSHED ROCK) OVER SEDIMENT FILLED MATERIAL TO RESTORE EFFECTIVENESS.

REVISION:
 APPROVED: 2-28-2017
[Signature]
 CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.405

5 OF 8

[Signature]
 STATE DESIGN ENGINEER

APPROVED: 2-28-2017

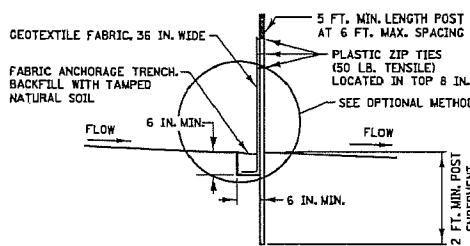
REVISED:

STATE PROJ. NO.

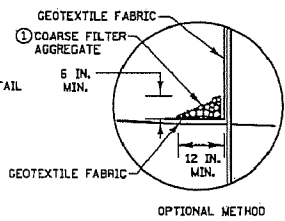
TEMPORARY SEDIMENT CONTROL

STABILIZED CONSTRUCTION EXIT

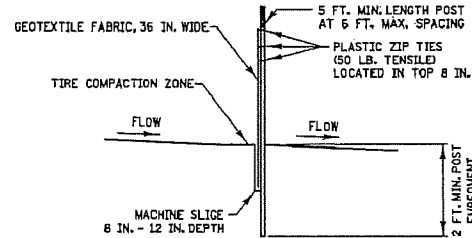
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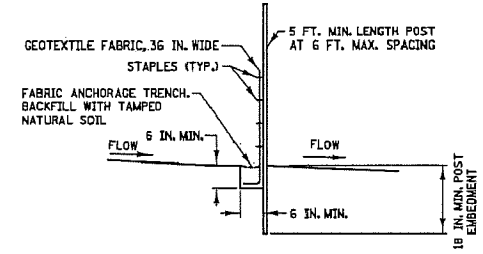
SILT FENCE TYPE HI ②
(HAND INSTALLED)



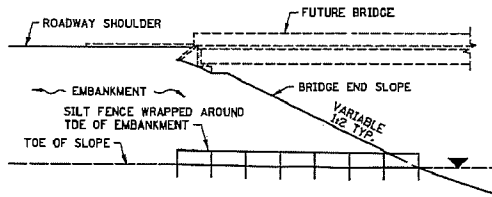
OPTIONAL METHOD



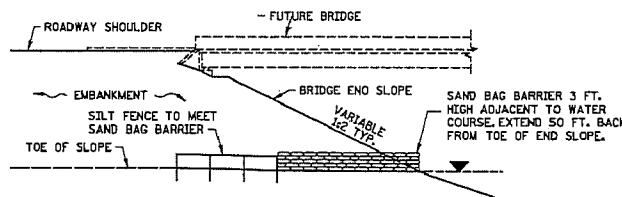
SILT FENCE TYPE MS ②
(MACHINE SLICED)



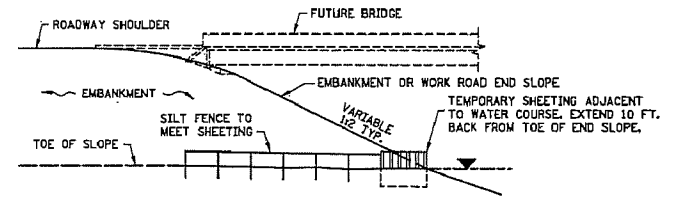
SILT FENCE TYPE PA ③
(PREASSEMBLED)



SILT FENCE ONLY ④

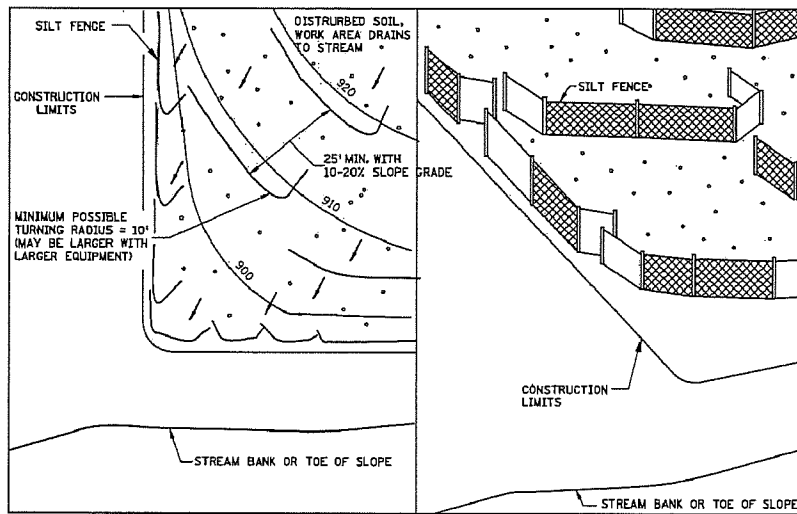


SILT FENCE WITH SAND BAGS ⑤



SILT FENCE WITH SHEETING ⑥

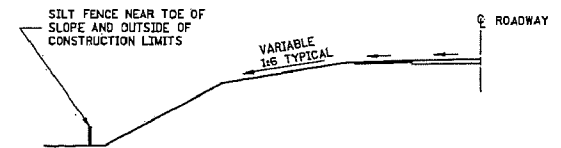
INSTALLATION AT BRIDGE EMBANKMENT ADJACENT TO WATER



PLAN VIEW

PERSPECTIVE VIEW

J-HOOK INSTALLATION



LOCATION AT TOE OF ROADWAY EMBANKMENT

NOTES:

- SEE SPECS. 2573, 3149 & 3886.
- ① COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.
- ② TO PROTECT AREAS FROM SHEET FLOW, MAXIMUM CONTRIBUTING AREA: 1 ACRE.
- ③ TO PROTECT AREAS FROM SHEET FLOW, MAXIMUM CONTRIBUTING AREA: 0.25 ACRE.
- ④ WATER COURSE FLOW VELOCITY: STANDING. CONTRIBUTING SLOPE AREA: 1/2 ACRE.
- ⑤ WATER COURSE FLOW VELOCITY: 1 TO 7 FT./SEC. CONTRIBUTING SLOPE AREA: 1 ACRE.
- ⑥ WATER COURSE FLOW VELOCITY: 8 TO 15 FT./SEC. CONTRIBUTING SLOPE AREA: 3 ACRES.

REVISION:
APPROVED: 2-28-2017
Prof. [Signature]
CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.405 6 OF 8

APPROVED: 2-28-2017
REVISOR:
[Signature]
STATE DESIGN ENGINEER

STATE PROJ. NO.

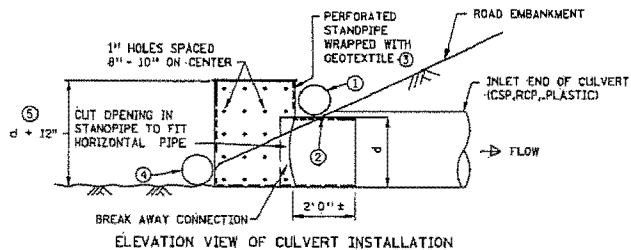
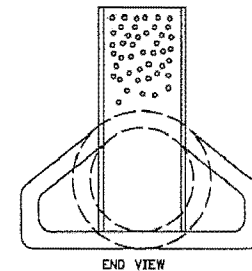
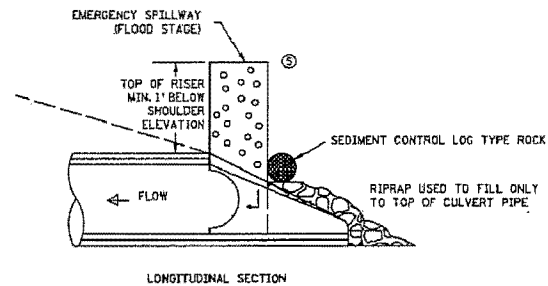
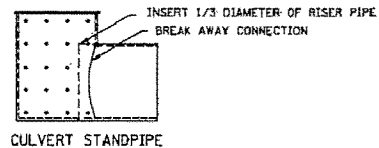
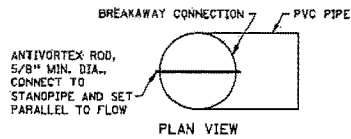
TEMPORARY SEDIMENT CONTROL

SILT FENCE

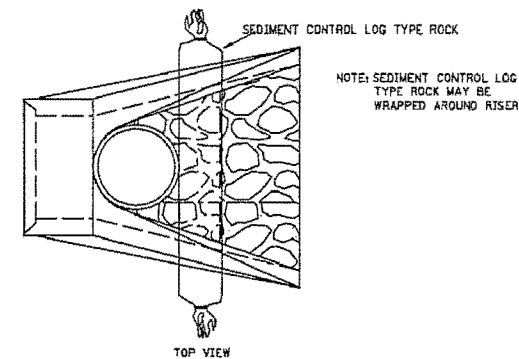
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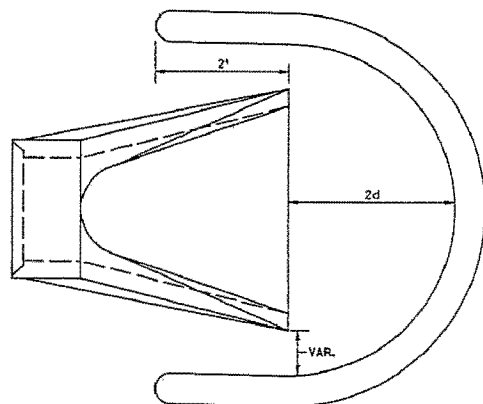
SHEET NO. 13 OF 61 SHEETS



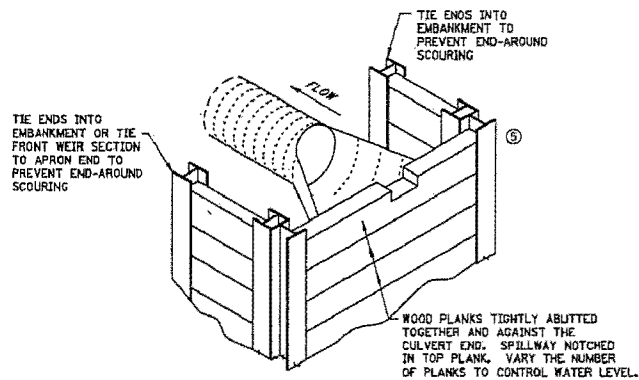
CULVERT STANDPIPE INSERT (D-RISER)
d = CULVERT SIZE: 12" - 36"



CULVERT STANDPIPE INSERT (D-RISER)



SEDIMENT CONTROL LOG WEIR
(COMPOST, WOOD CHIP, OR ROCK)
d = CULVERT SIZE: 12" - 36"



WOOD PLANK WEIR

NOTES:

- SEE SPECS. 2573, 3891 & 3893.
- FOR USE WHEN TEMPORARY PONDING IS NEEDED IN DITCH SECTIONS FOR SEDIMENT CONTROL.
- MANUFACTURED ALTERNATIVES LISTED ON MNDOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED AT NO ADDITIONAL COST.
- ① ROCK LOG OR SANDBAG TO HOLD STANDPIPE AND ACT AS A SEAL BETWEEN RISER PIPE AND CULVERT.
- ② PLACE CULVERT APRON AND SLIDE TEMPORARY STANDPIPE INTO CSP OR RCP CULVERT.
- ③ ALL GEOTEXTILE USED FOR CULVERT PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886 FOR MACHINE SLICED.
- ④ ROCK LOG OR RIP RAP TO HOLD STANDPIPE AND ACT AS A FILTER BETWEEN RISER PIPE AND CULVERT.
- ⑤ HEIGHT OVERFLOW NOT TO CAUSE FLOODING OF ROAD OR ADJACENT PROPERTIES.

REVISION:
APPROVED: 2-28-2017

CHIEF ENVIRONMENTAL OFFICER



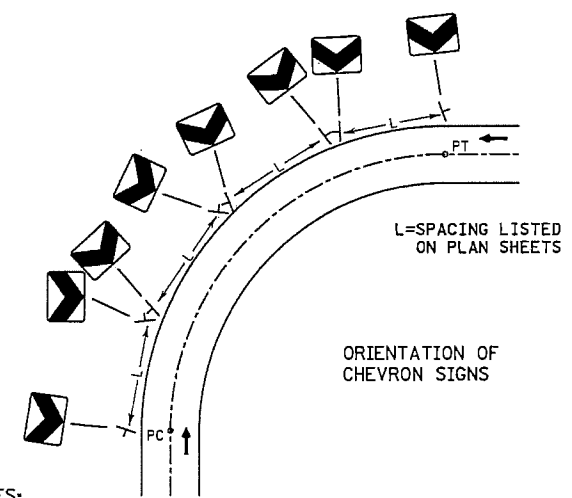
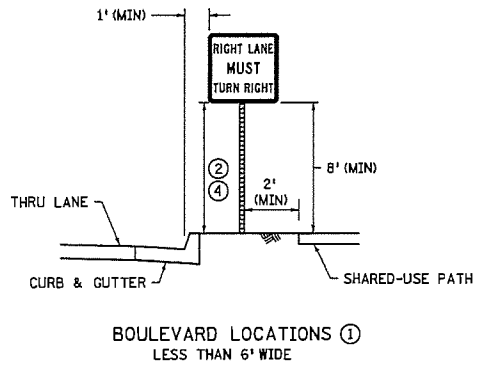
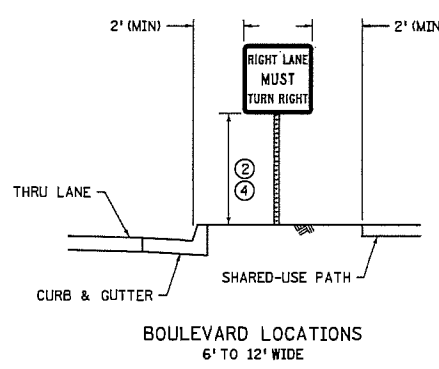
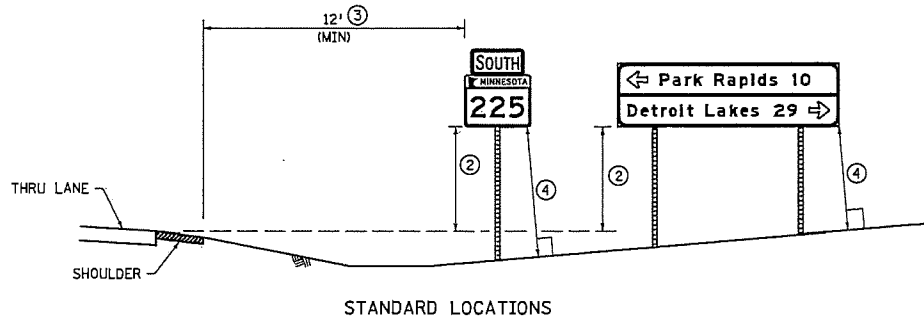
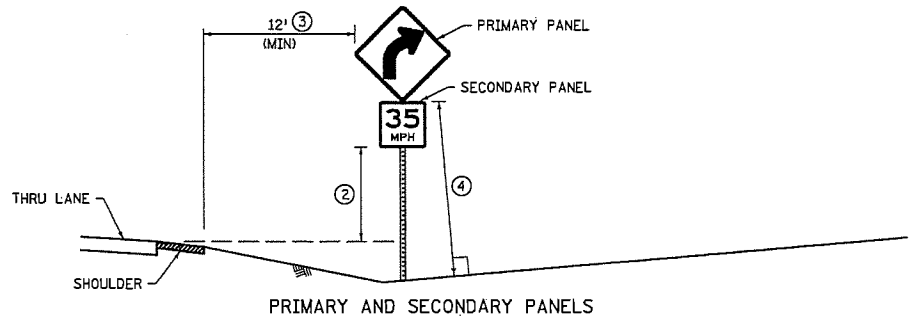
STANDARD PLAN 5-297.405 8 OF 8

APPROVED: 2-28-2017
REVISED:
STATE DESIGN ENGINEER

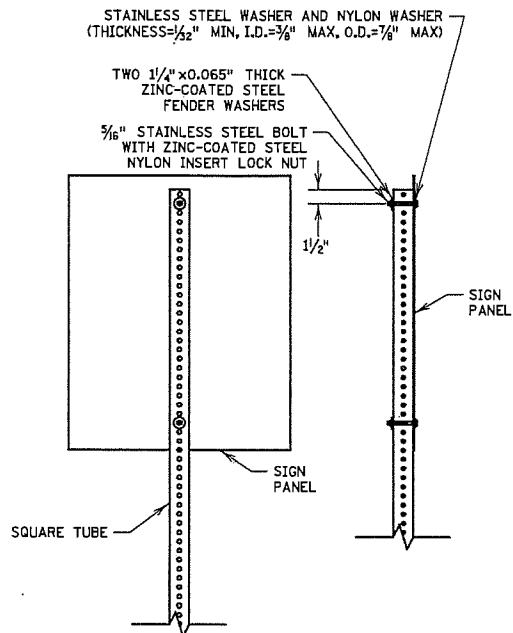
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TEMPORARY SEDIMENT CONTROL
CULVERT END CONTROLS

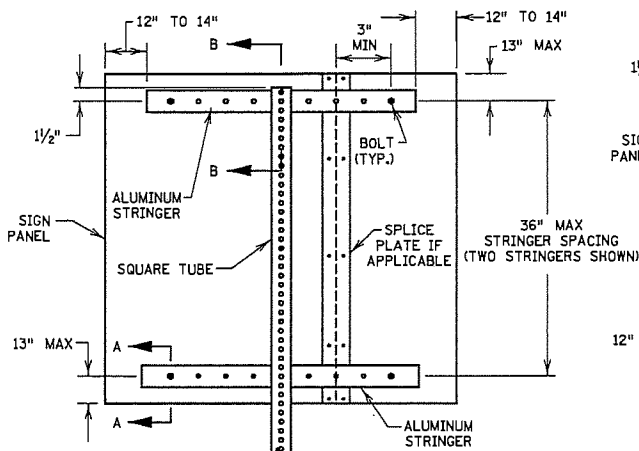
(T.H.) SHEET NO. 14 OF 61 SHEETS.



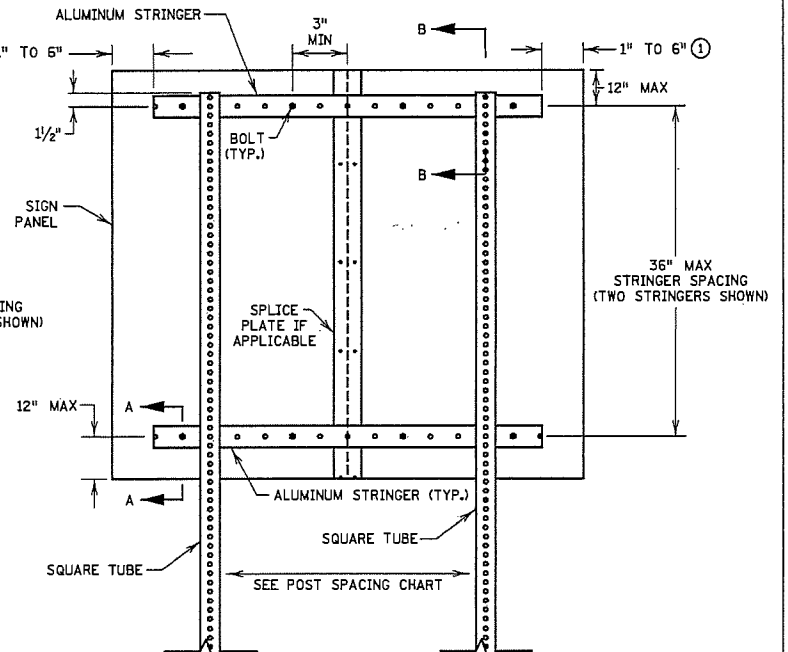
- NOTES:
- PLACE SIGNS AND ORIENT THEM APPROXIMATELY AS SHOWN IN THE PLAN, AT RIGHT ANGLES TO THE DIRECTION OF, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE, UNLESS OTHERWISE SPECIFIED. TO AVOID SPECULAR GLARE, TURN SIGNS APPROXIMATELY THREE DEGREES AWAY FROM APPROACHING TRAFFIC.
 - IF A SIGN NEEDS TO BE REPOSITIONED FROM THE PROPOSED PLAN LOCATION IN ORDER TO AVOID CONFLICTS WITH UTILITIES OR OBSTACLES, CONTACT THE PROJECT ENGINEER.
 - MOUNT SIGN FACES PLUMB.
 - LATERAL CLEARANCES GIVEN APPLY TO RIGHT AND/OR LEFT SIDE INSTALLATION.
 - ERECT OR CONSTRUCT SIGN SUPPORT SO THAT NO PORTION OF THE SIGN PANEL IS WITHIN 15' OF THE RAIL OF A RAILROAD TRACK.
 - PLACE SIGNS SUCH THAT OBSTACLES DO NOT BLOCK THEM FROM BEING VIEWED BY THE APPROACHING TRAFFIC.
 - PLACE SIGNS A MINIMUM OF 10' FROM THE NEAREST OBSTACLE. OBSTACLES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, TREES, SIGNS, AND BUILDINGS. SIGNS MAY BE PLACED CLOSER TO SIGNS IN TIGHT AREAS, BUT NO MORE THAN TWO POSTS IN A 7' DIAMETER CIRCLE.
 - AVOID PLACING SIGNS IN DITCH BOTTOMS.
- ONLY USE WHEN BOULEVARD IS TOO NARROW TO OBTAIN ADEQUATE CURBED LOCATION SIGN OFFSETS.
 - ALL SIGN MOUNTING HEIGHTS ARE MEASURED VERTICALLY FROM THE BOTTOM OF THE LOWEST SIGN PANEL TO THE TOP OF THE CURB, OR IN ABSENCE OF CURB, TO THE NEAR EDGE OF THE THRU-LANE PAVEMENT. SEE SIGN TABULATIONS.
 - MINIMUM OFFSET MAY BE REDUCED TO AT LEAST 6' FROM SHOULDER AND AT LEAST 12' FROM THRU LANE IF SITE CONDITIONS PROHIBIT A 12' OFFSET FROM SHOULDER.
 - CRASHWORTHY HEIGHT IS AT LEAST 7' FOR BREAKAWAY STRUCTURES AND AT LEAST 4' FOR BENDABLE STRUCTURES. SEE SPECIFIC SQUARE TUBE BASE STRUCTURE PLAN FOR CRASH RESPONSE TYPE. THE CRASHWORTHY HEIGHT IS MEASURED TO THE BOTTOM OF THE PRIMARY SIGN PANEL EXCLUDING ANY SECONDARY SIGN PANELS, MARKERS, DELINEATORS, AND REFERENCE LOCATION SIGN PANELS. ANY SECONDARY SIGN PANELS MOUNTED TO MORE THAN ONE POST ARE CONSIDERED PRIMARY SIGN PANELS FOR CRASHWORTHY PURPOSES.



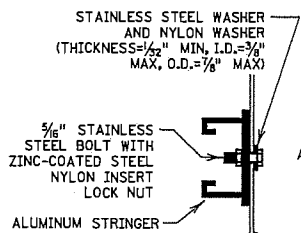
FOR SIGN PANELS UP TO 30" WIDE



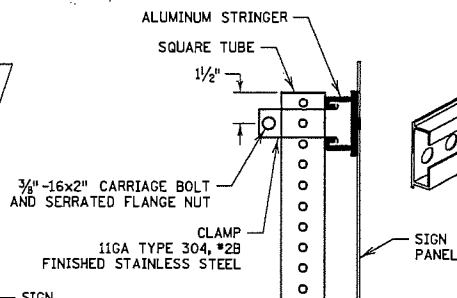
FOR SIGN PANELS 36" WIDE
OR GREATER ON ONE POST



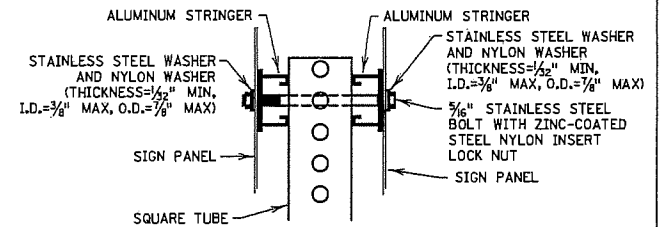
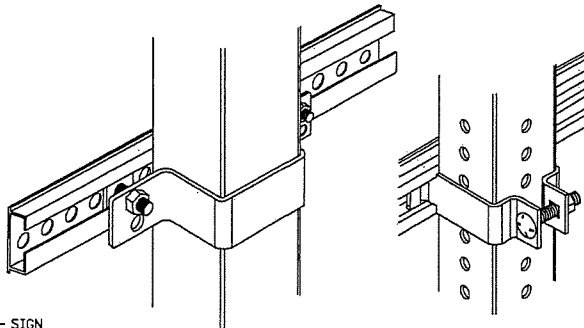
FOR SIGN PANELS ON TWO OR MORE POSTS



VIEW A-A



VIEW B-B



BACK-TO-BACK SIGN MOUNTING
WITH STRINGERS

NOTES:

BOLT SIGN PANELS TO STRINGERS OR RISER POSTS AT NO GREATER THAN 24" SPACING OR ACCORDING TO THE MNDOT STANDARD SIGNS AND MARKINGS MANUAL FOR MOUNTING HOLES (PUNCH CODES) INFORMATION.

CENTER STRINGERS ON SIGN PANEL.

① IF POST SPACING REQUIRES PLACEMENT OF A POST WITHIN THIS AREA, EXTEND STRINGERS AS NEEDED TO ACCOMMODATE THE STRINGER TO POST CLAMP.

LEAD EXPERT OFFICE

BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

SQUARE-TUBE SIGN MOUNTING DETAILS

APPROVED: 08-09-2023
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD PLAN
5-297.718

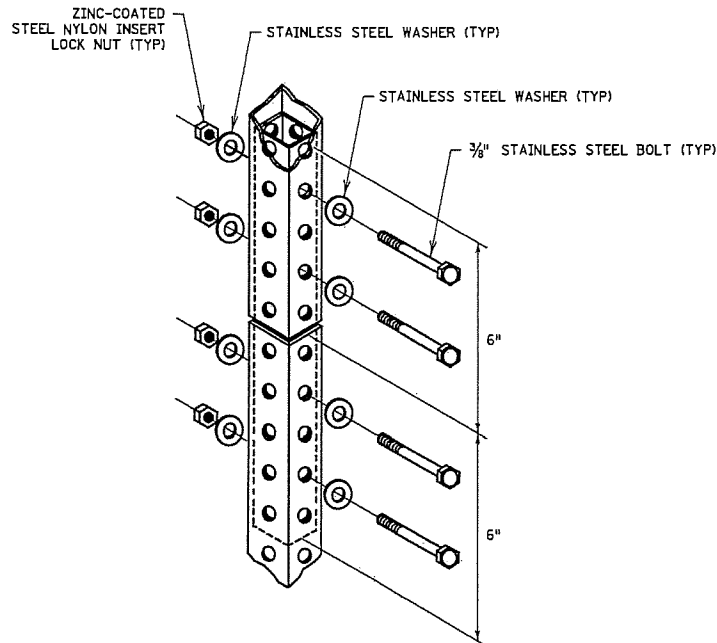
1 OF 3



STANDARD PLAN

STATE PROJ. NO.
TRUNK HWY.

SHEET NO.
16 TOTAL SHEETS 61



SPLICE DETAIL

PANEL WIDTH (IN)	SQUARE TUBE POST SPACING							
	2 POSTS (IN)	3 POSTS (IN)	4 POSTS (IN)	5 POSTS (IN)	6 POSTS (IN)	7 POSTS (IN)	8 POSTS (IN)	
42	15							
48	21							
54	30							
60	36							
66	36							
72	42							
78	42							
84	48							
90	48	42						
96	48	42						
102	54	42						
108	54	42						
114	60	42						
120	60	48						
126	66	48						
132	66	48	42					
138	72	48	42					
144	72	48	42					
150	78	54	42					
156	78	54	42					
162	84	54	42					
168	84	60	48					
174	90	60	48	42				
180	90	60	48	42				
186	96	66	48	42				
192	96	66	48	42				
198	102	66	54	42				
204	102	72	54	42				
210	108	72	54	42				
216	108	72	54	48	42			
222	114	78	60	48	42			
228	114	78	60	48	42			
234	120	78	60	48	42			
240	120	84	60	48	42			
246		84	66	54	42			
252		84	66	54	42			
258		90	66	54	42	42		
264		90	66	54	48	42		
270		90	72	54	48	42		
276		96	72	60	48	42		
282		96	72	60	48	42		
288		96	72	60	48	42		
294		102	78	60	54	42		
300		102	78	60	54	42	42	
306		102	78	66	54	42	42	
312		108	78	66	54	48	42	
318		108	84	66	54	48	42	
324		108	84	66	54	48	42	
330		114	84	66	60	48	42	
336		114	84	72	60	48	42	

DISTANCES ARE CENTER-TO-CENTER OF POSTS

NOTES:

NO MORE THAN ONE SPLICE PER POST.

WHEN USED, THE SPLICE MUST BE PLACED AT LEAST 8' ABOVE GROUND. THE PREFERRED PLACEMENT LOCATION IS BEHIND THE SIGN PANEL.

INTERIOR POST STUD SHALL BE ONE SIZE SMALLER FOR TIGHT FIT. IF RISER POST IS 2 1/2", INTERIOR POST IS 2 3/16". IF RISER POST IS 2", INTERIOR POST IS 1 3/4".

LEAD EXPERT OFFICE
BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING



SQUARE-TUBE SIGN MOUNTING DETAILS

APPROVED: 08-09-2023
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD PLAN
5-297.718

2 OF 3

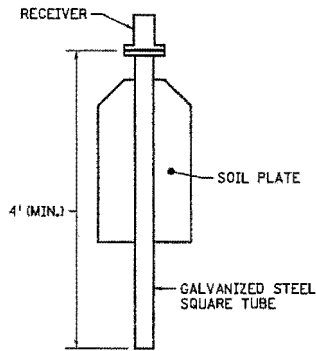
STANDARD PLAN

STATE PROJ. NO.

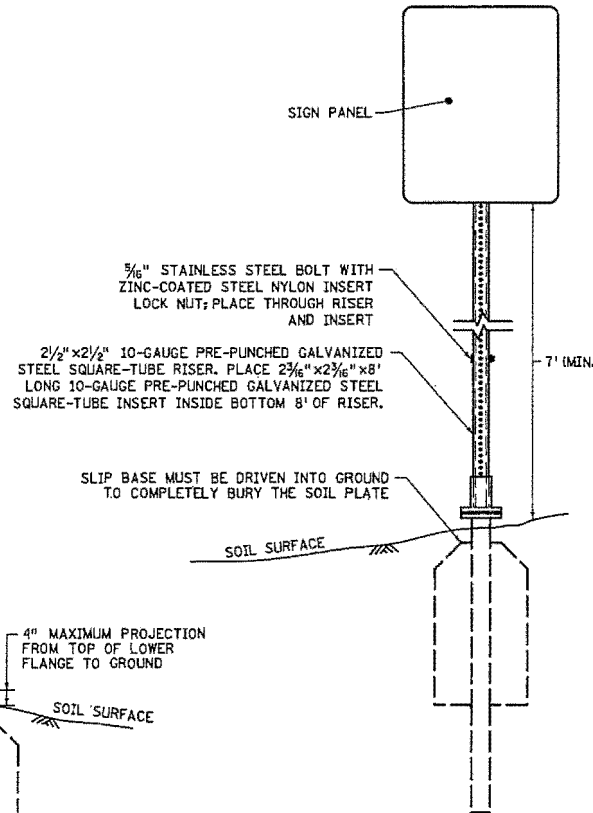
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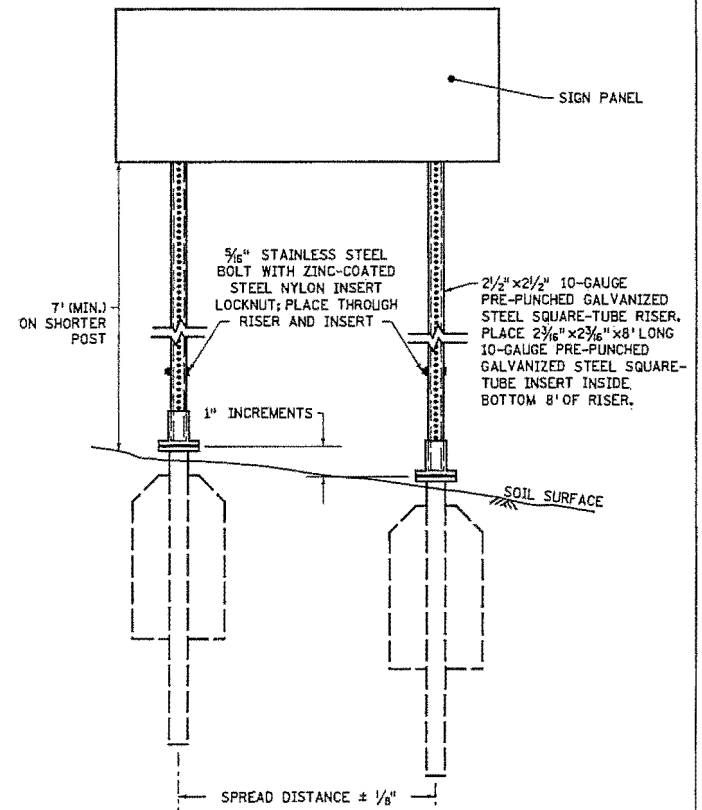
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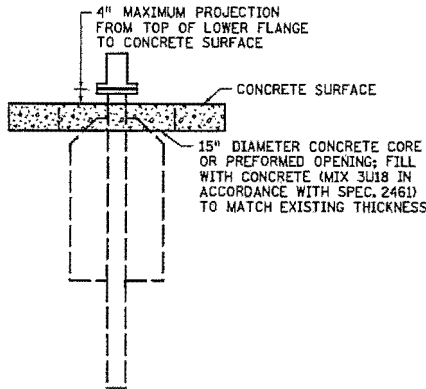
PROPRIETARY SLIP BASE ASSEMBLY ①



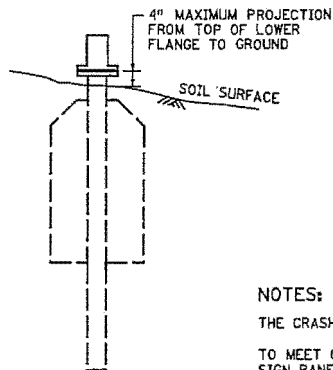
SLIP BASE ASSEMBLY WITH SINGLE-POST SIGN
TYPICAL PLACEMENT IN SOIL



SLIP BASE ASSEMBLY WITH MULTIPLE-POST SIGN ②
TYPICAL PLACEMENT IN SOIL



SLIP BASE ASSEMBLY IN CONCRETE



SLIP BASE ASSEMBLY IN SOIL

NOTES:

THE CRASH RESPONSE TYPE FOR THIS STRUCTURE IS BREAKAWAY.

TO MEET CRASHWORTHY REQUIREMENTS, THE DISTANCE BETWEEN THE BOTTOM OF THE PRIMARY SIGN PANEL AND THE GROUND SURFACE BELOW ANY PORTION OF THE PRIMARY SIGN PANEL MUST BE A MINIMUM OF 7'. SEE SIGNING PLAN TABULATIONS FOR MOUNTING HEIGHT.

1/16"-THICK LEVELING SHIMS MAY BE USED TO PLUMB TOP HALF. PLACE SHIMS UNDER TEFLON-COATED SLIP WASHER. MAXIMUM OF TWO SHIMS PER NOTCH POINT.

FOR SIGN PANEL MOUNTING DETAILS, SEE STANDARD PLAN 5-297.718.

SQUARE TUBE SIGN POST IN ACCORDANCE WITH MNDOT SPEC. 3402.

① USE APPROVED PRODUCT FROM THE SIGN STRUCTURES PAGE OF THE SIGNING SECTION OF THE APPROVED PRODUCTS LIST.

② FOR MULTIPLE-POST APPLICATIONS, ENSURE SOIL PLATES ARE COMPLETELY BURIED. IF SOIL SURFACE IS NOT LEVEL, DRIVE THE BASES UNTIL THEY ARE OFFSET IN 1" INCREMENTS. THE BASES MUST BE TRUE AND SQUARE WITH ONE ANOTHER TO ENSURE PROPER UNRESTRICTED INSERTION OF STEEL TUBE RISERS. MOUNT SIGN PANELS LEVEL.

LEAD EXPERT OFFICE
BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

SLIP BASE ASSEMBLY
FOR 2 1/2" SQUARE-TUBE RISER POST

APPROVED: 08-09-2023
REVISED:

THOMAS STYBICKI
STATE DESIGN ENGINEER

STANDARD PLAN
5-297.724

1 OF 1



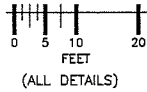
STANDARD PLAN

STATE PROJ. NO.
TRUNK HWY.

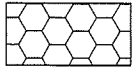
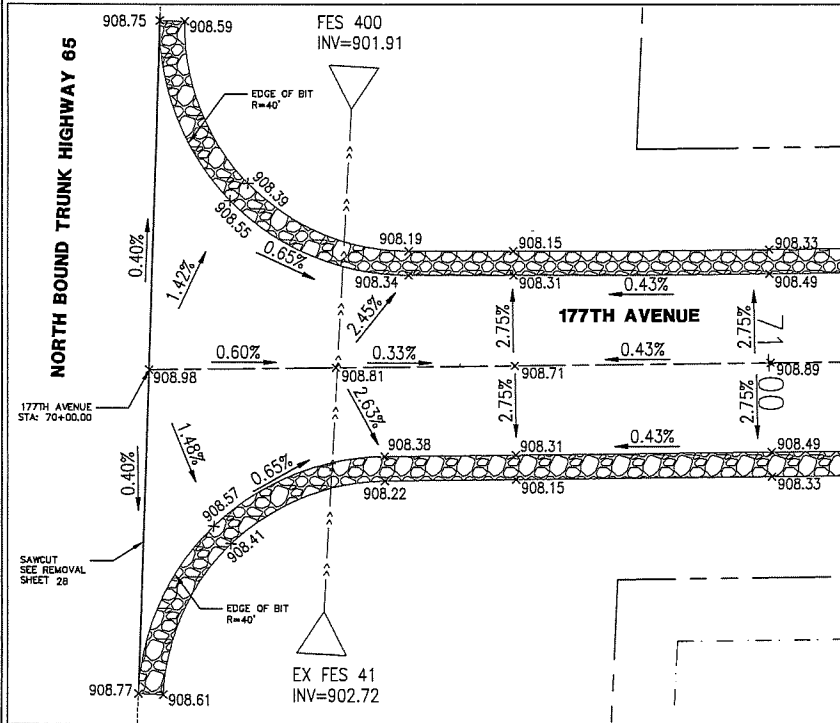
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19 TOTAL SHEETS 61

NOTES:

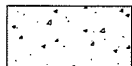
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
2. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
3. SEE DETAIL COMMERCIAL DRIVEWAY RFC-370A1 FOR DRIVEWAY DETAILS.



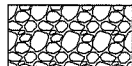
TRUNK HIGHWAY 65 AND 177TH AVENUE



PROPOSED BITUMINOUS DRIVEWAY

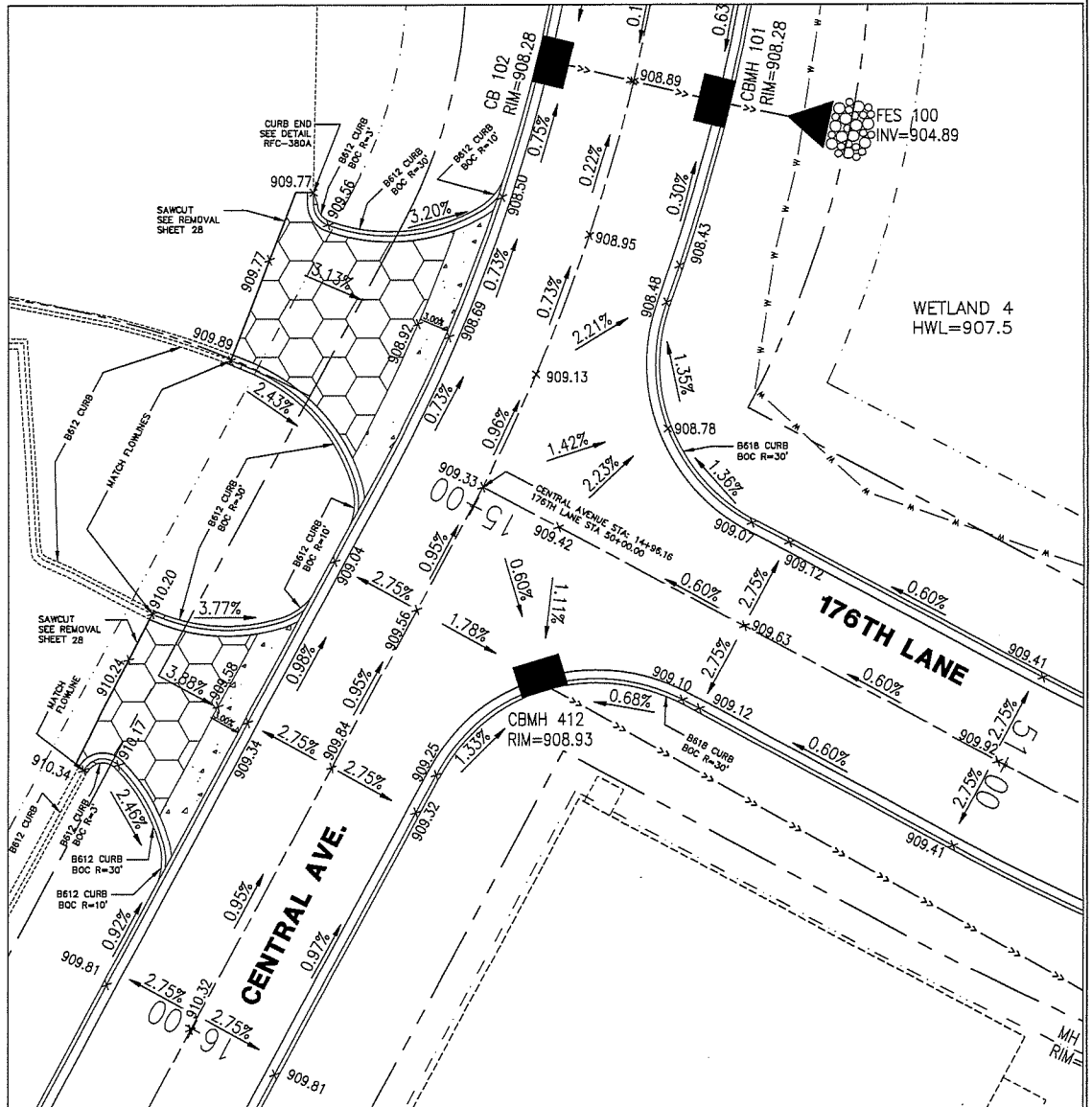


PROPOSED CONCRETE



PROPOSED CLASS 5 SHOULDER

CENTRAL AVENUE AND 176TH LANE



UTILITIES:

LUVEN	(763) 712-0017
CENTERPOINT ENERGY	(763) 323-2760
COMCAST	(952) 607-4078
CONQUILUS ENERGY	(763) 323-4288
GREAT RIVERS ENERGY	(763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

Nora Krueger
DATE: 05/12/28 REG. NO. 48268

RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
INTERSECTION DETAILS

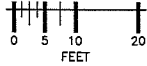
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DATE: 05/12/28
JOB NUMBER: 2205
SHEET: 20 OF 61
FILE: 37-2-120



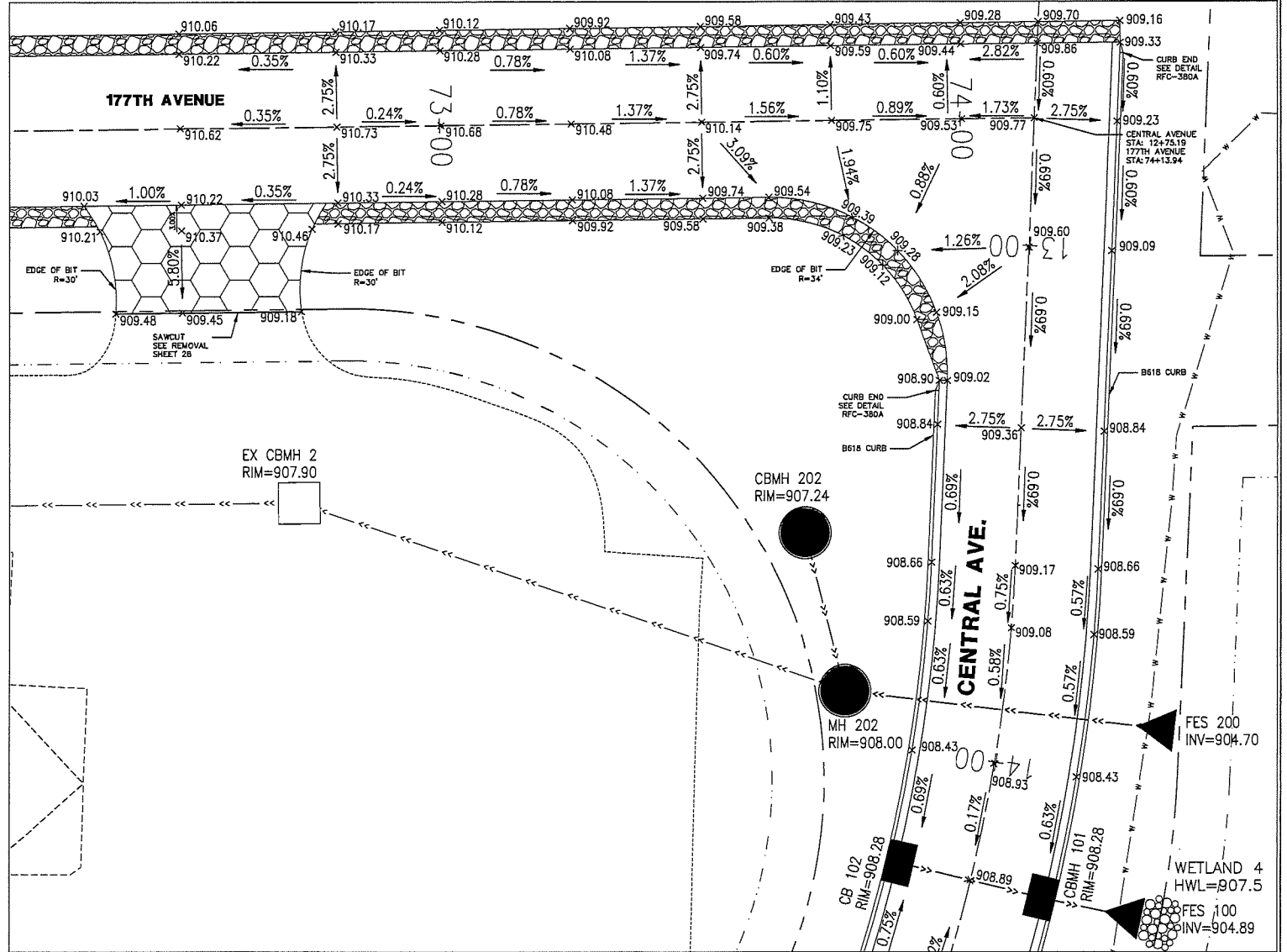
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

NOTES:

1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
2. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
3. SEE DETAIL PRIVATE DRIVEWAY RFC-353A1 FOR DRIVEWAY DETAILS.



CENTRAL AVENUE AND 177TH AVENUE



- PROPOSED BITUMINOUS DRIVEWAY
- PROPOSED CLASS 5 SHOULDER



UTILITIES:
 LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONNOR'S ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 445-5964

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Nancy Krueger
 DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

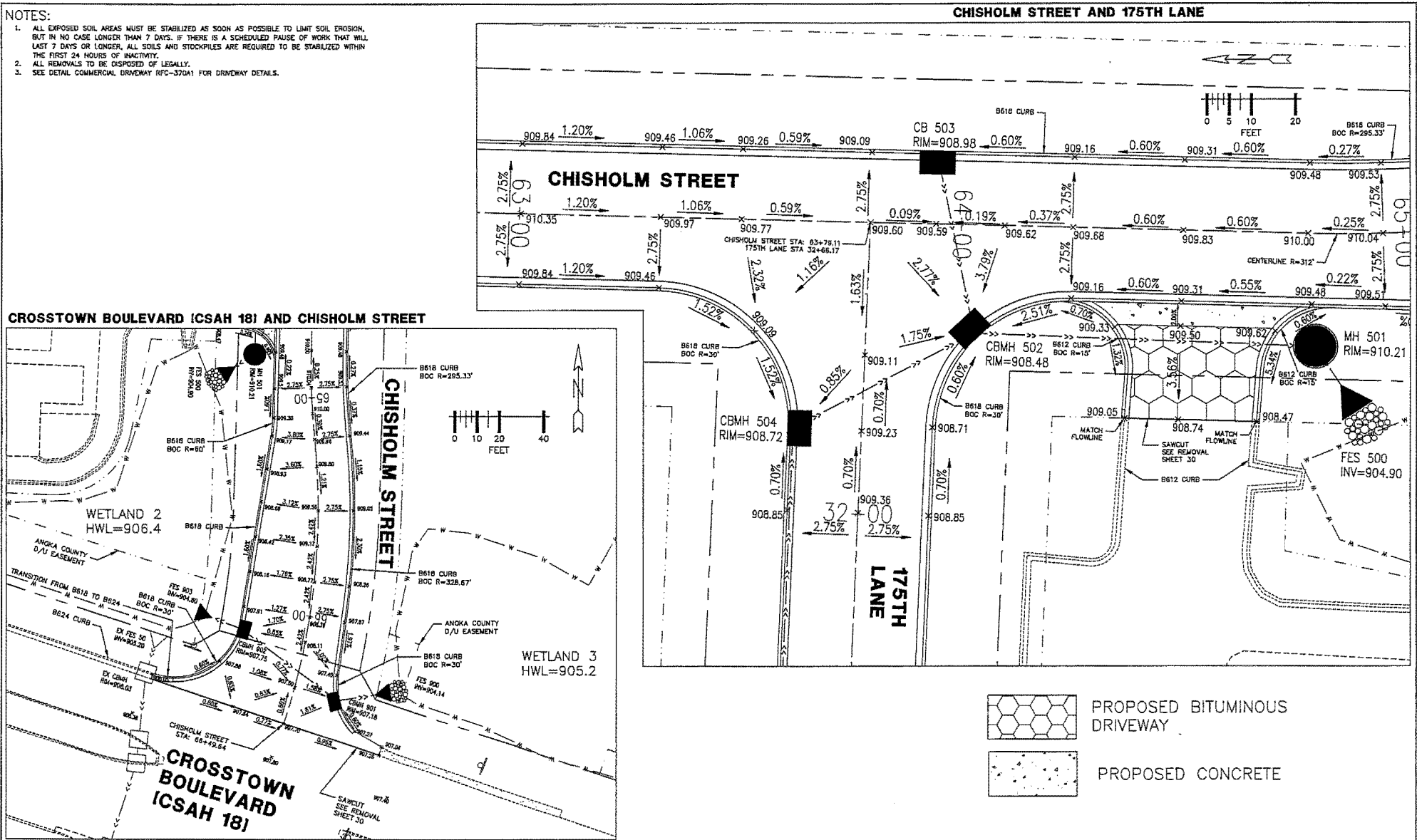
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 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 INTERSECTION DETAILS



DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 INT 2
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 21 OF 61
 FILE: 37-2-121

NOTES:

1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
2. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
3. SEE DETAIL COMMERCIAL DRIVEWAY RFC-370A1 FOR DRIVEWAY DETAILS.



 PROPOSED BITUMINOUS DRIVEWAY
 PROPOSED CONCRETE



UTILITIES: LUMBER (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (652) 807-4078
 COMINGUS ENERGY (763) 323-9288
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Near Krueger
 DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-118-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 INTERSECTION DETAILS

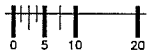
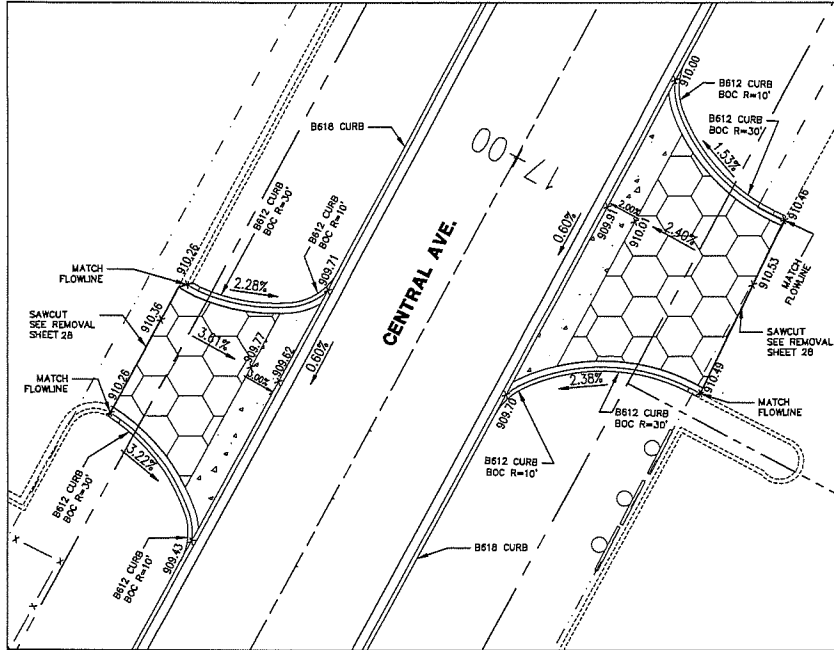
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 JOB NUMBER: 2205
 SHEET: 22 OF 61
 FILE: 37-2-122

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

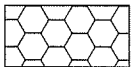
NOTES:

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2. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
3. SEE DETAIL COMMERCIAL DRIVEWAY RFC-370A1 FOR DRIVEWAY DETAILS.

DRIVEWAYS CENTRAL AVENUE STA 17+00 & STA 17+50



(ALL DETAILS)

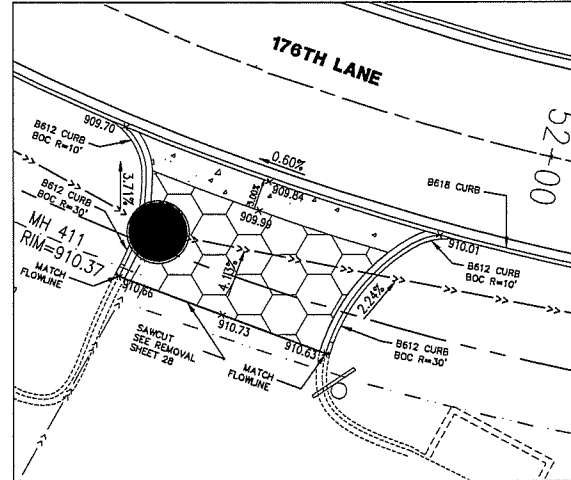


PROPOSED BITUMINOUS DRIVEWAY

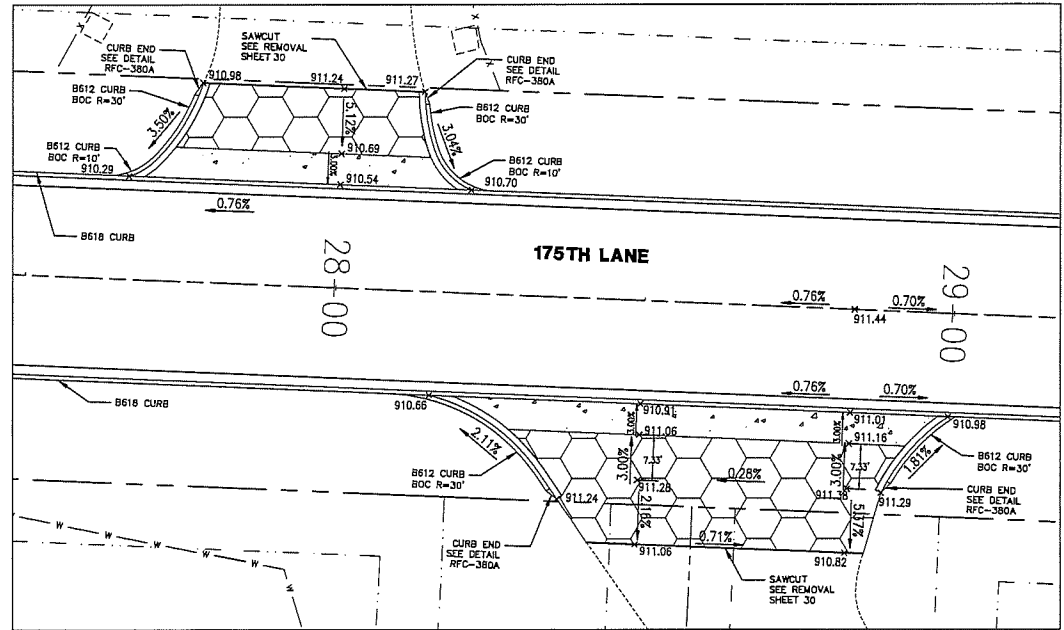
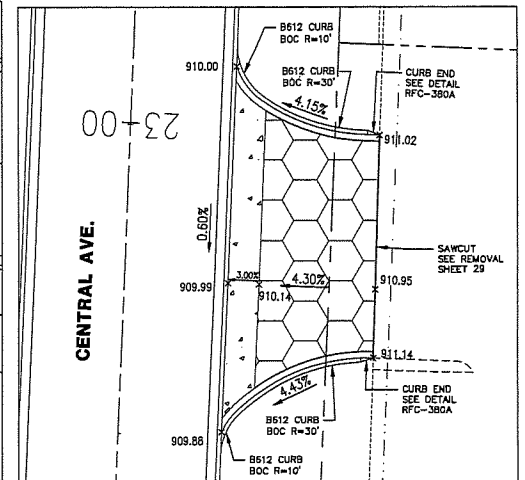


PROPOSED CONCRETE

DRIVEWAY 176TH LANE STA 51+50



DRIVEWAY CENTRAL AVENUE STA 23+25



DRIVEWAYS 175TH LANE STA 28+00 & STA 28+50



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONHOLDS ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Nate Krueger
 DATE 05/12/28 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

ORVEWAY DETAILS

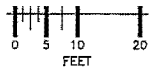
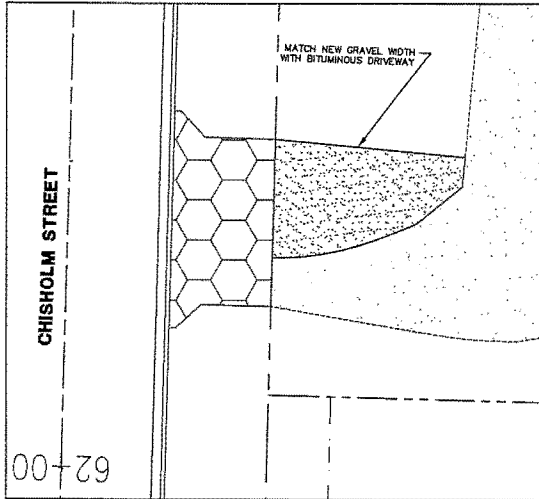
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

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 DATE: 05/12/28
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 FILE: 37-2-123

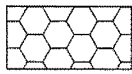
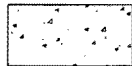

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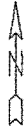
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
2. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
3. SEE DETAIL COMMERCIAL DRIVEWAY RFC-370A1 FOR DRIVEWAY DETAILS.
4. SEE DETAIL PRIVATE DRIVEWAY RFC-363A1 FOR RESIDENTIAL DRIVEWAY DETAIL.

DRIVEWAY CHISHOLM STREET STA 61+60

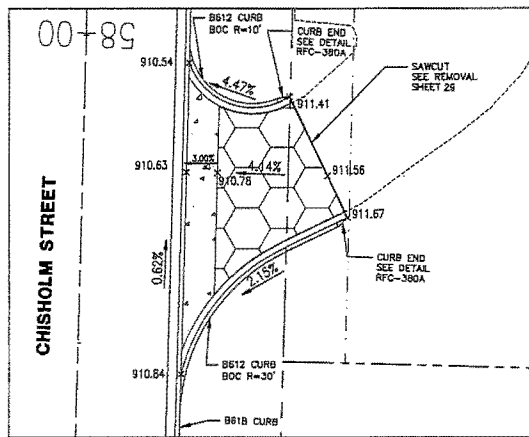


(ALL DETAILS)

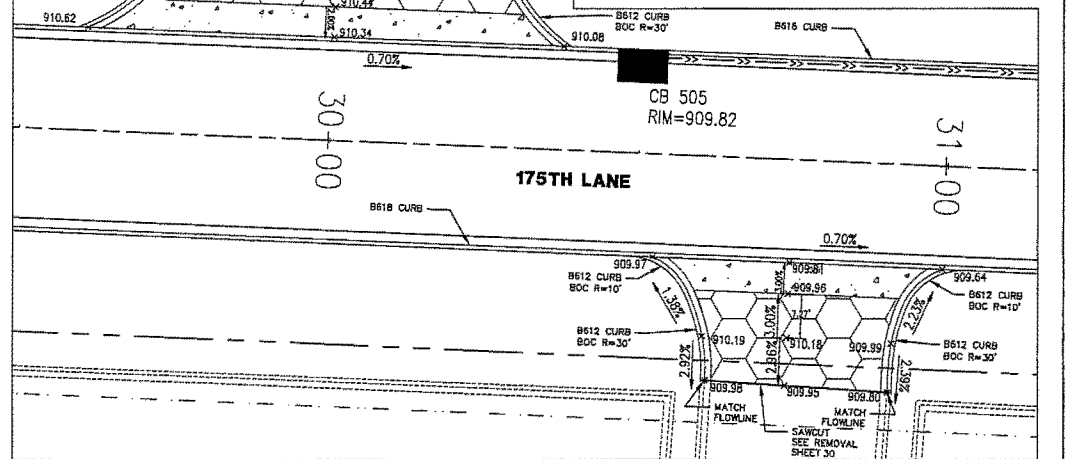
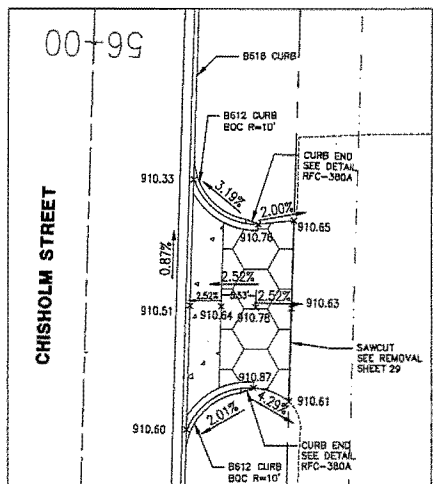
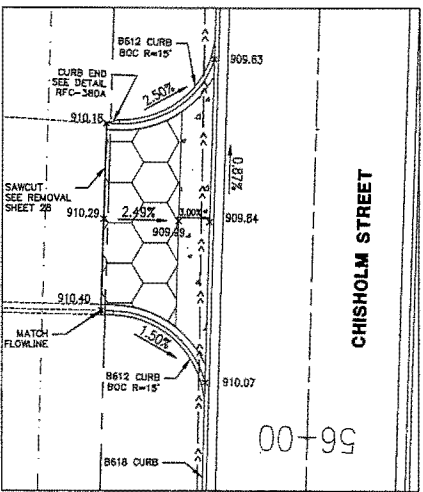
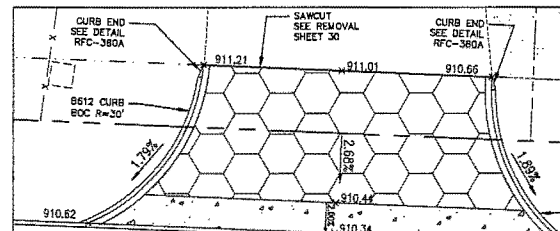
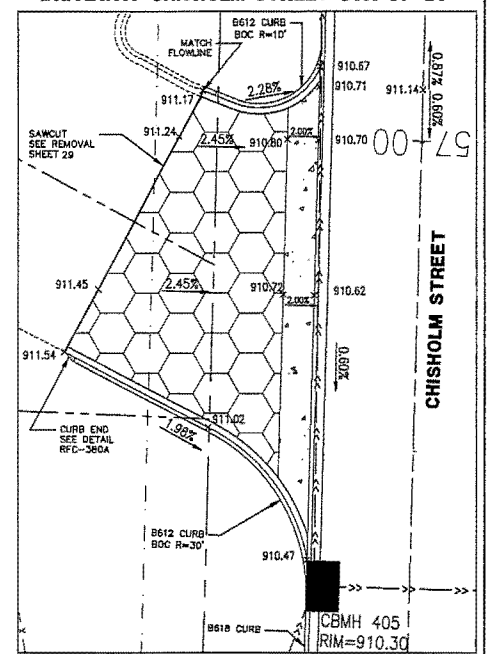
-  PROPOSED BITUMINOUS DRIVEWAY
-  PROPOSED CONCRETE
-  PROPOSED GRAVEL



DRIVEWAY CHISHOLM STREET STA 58+22



DRIVEWAY CHISHOLM STREET STA 57+25



DRIVEWAYS 175TH LANE STA 30+00 & STA 30+75

BOHNE STATE ONE CALL
800-252-4166 651-454-0022

UTILITIES:
 LINEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONNOR'S ENERGY (763) 323-6288
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

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

David Knapp
DATE 05/12/28 REC. NO. 48728

RFC ENGINEERING, INC.
Consulting Engineers

13535 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

ORNEYWAY DETAILS

DWG: 2205 INT 5
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 24 OF 61
 FILE: 37-2-124

DESIGN BY: LOZ DRAWN BY: LOZ CHECKED BY: DAK

NORTH BOUND TRUNK HIGHWAY 65

177TH AVENUE

176TH LANE

CENTRAL AVENUE

CHISHOLM STREET

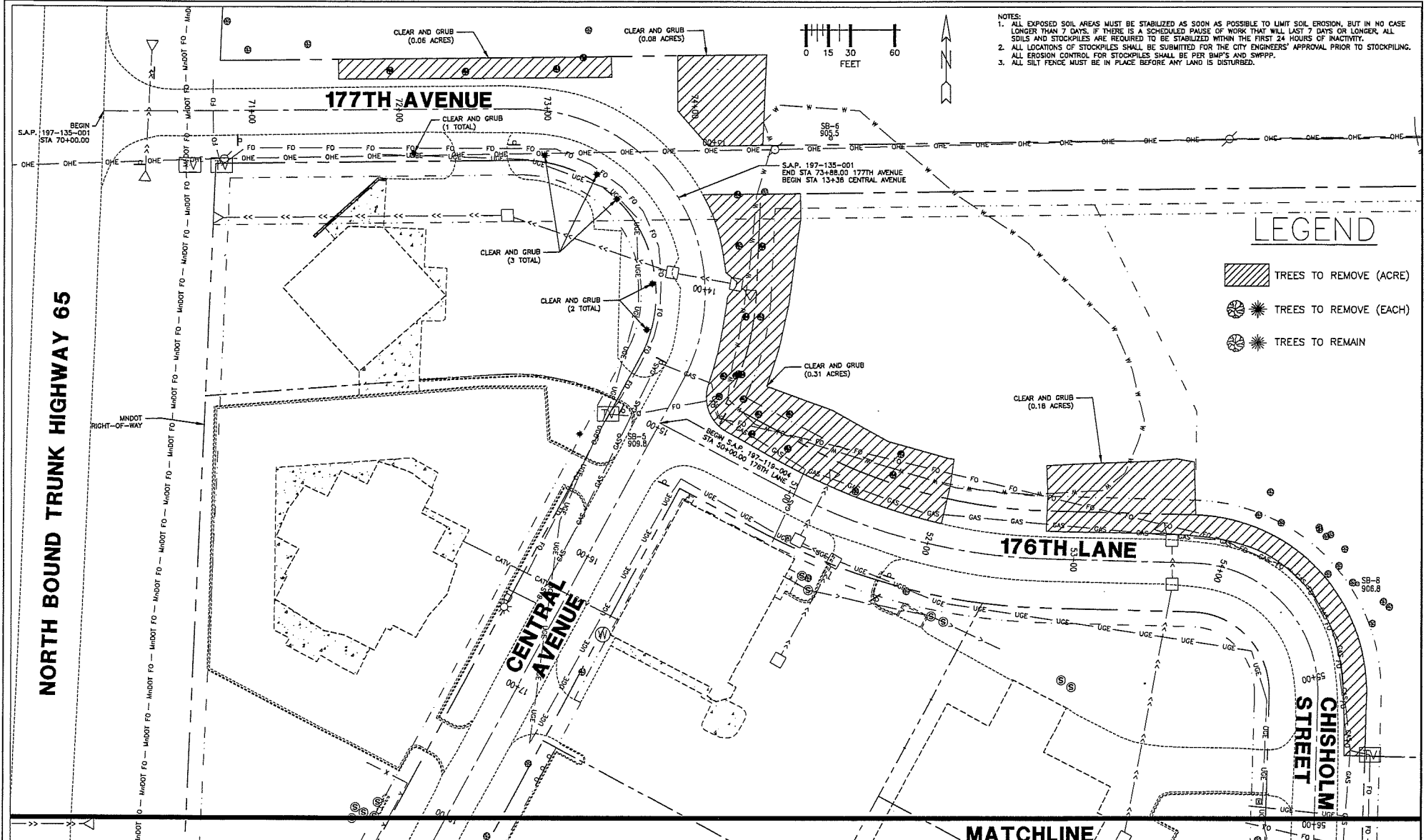
MATCHLINE

- NOTES:
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SDILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEERS' APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.
 3. ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.



LEGEND

- TREES TO REMOVE (ACRE)
- TREES TO REMOVE (EACH)
- TREES TO REMAIN



UTILITIES:

LUMEN	(763) 712-5017
CENTERPOINT ENERGY	(763) 323-2760
COMCAST	(952) 607-4078
CONCREUS ENERGY	(763) 323-4268
GREAT RIVERS ENERGY	(763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

Steve Krueger

DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

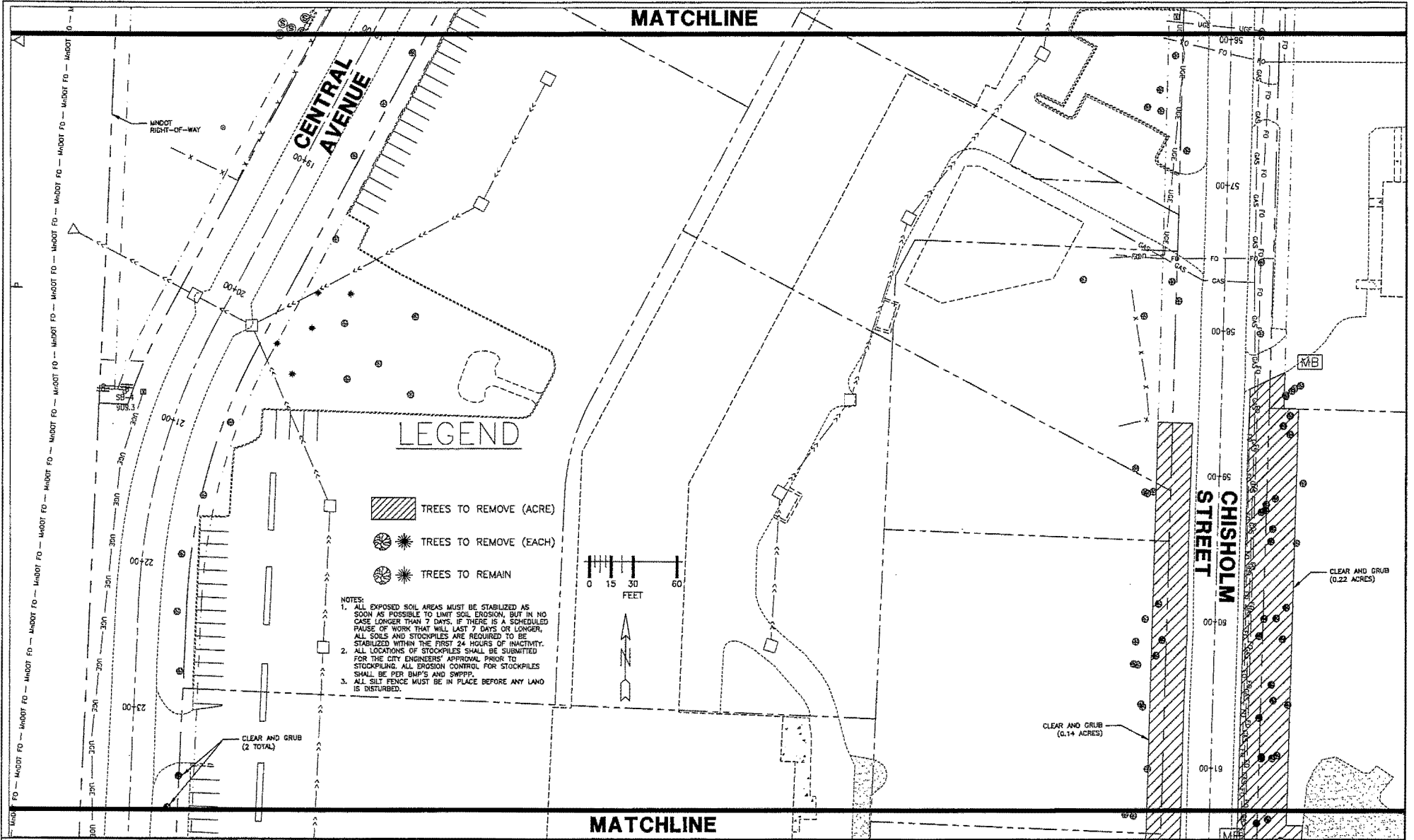
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-6000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

TREE REMOVAL PLANS

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 REMOVETREE1
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 25 OF 61
 FILE: 37-2-125



GOPEKA STATE CALL
800-232-1166 651-454-0082

UTILITIES:	CONTACT:	PHONE:
LUMEN	(763) 712-5017	
CENTERPOINT ENERGY	(763) 323-2780	
COMCAST	(952) 607-4078	
CONDENSUS ENERGY	(763) 323-4918	
GREAT RIVERS ENERGY	(763) 445-5884	

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David R. Rupp
DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

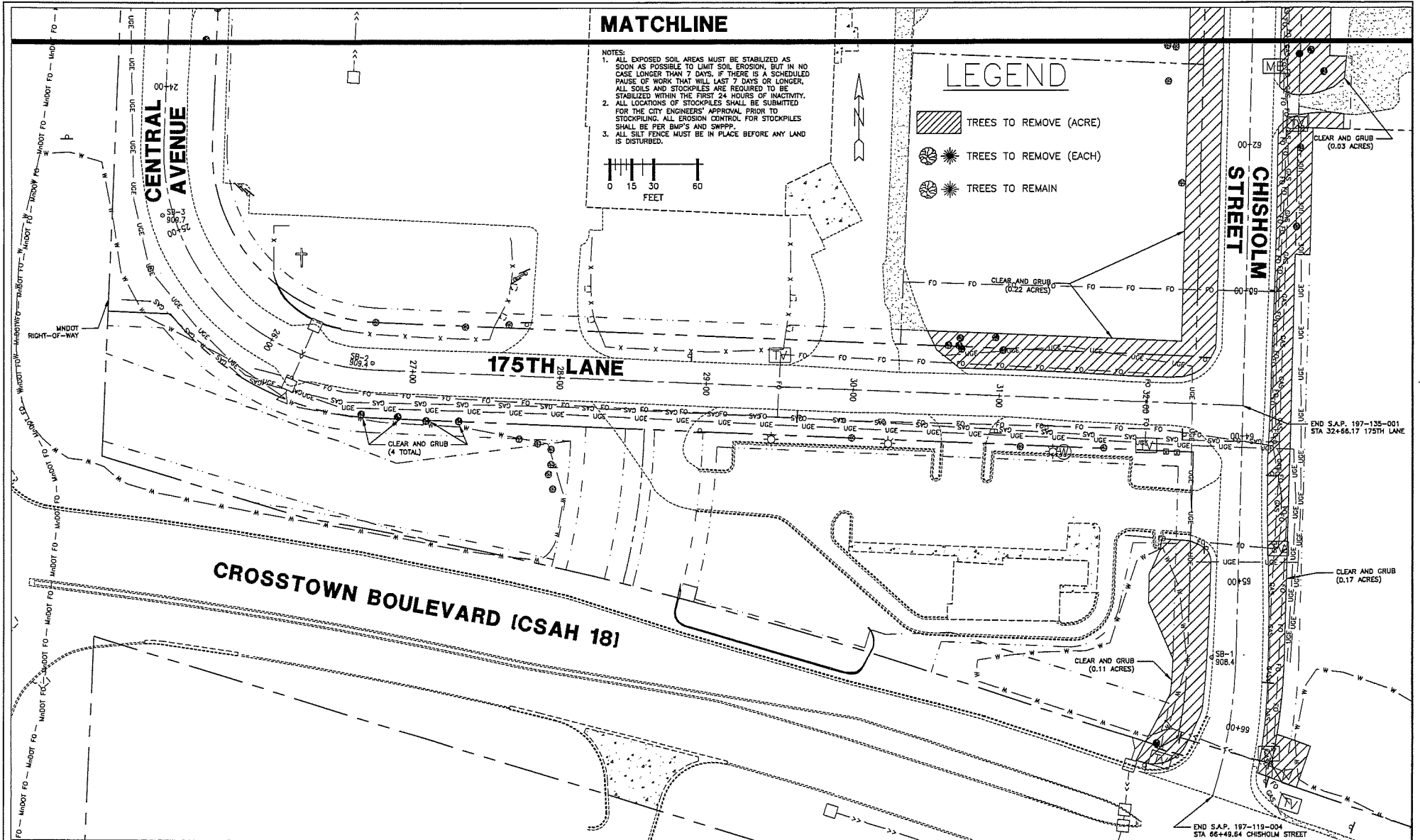
13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

TREE REMOVAL PLANS

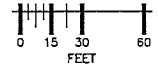
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWC2205 REMOVETREE2
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 26 OF 61
FILE: 37-2-126



MATCHLINE

- NOTES:
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEERS' APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.
 3. ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.



LEGEND

- TREES TO REMOVE (ACRE)
- TREES TO REMOVE (EACH)
- TREES TO REMAIN



UTILITIES:
 LUMEN (763) 712-6017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONSOLIDUS ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 445-5964

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Nate Krueger
 DATE: 05/12/28 REG. NO. 48268

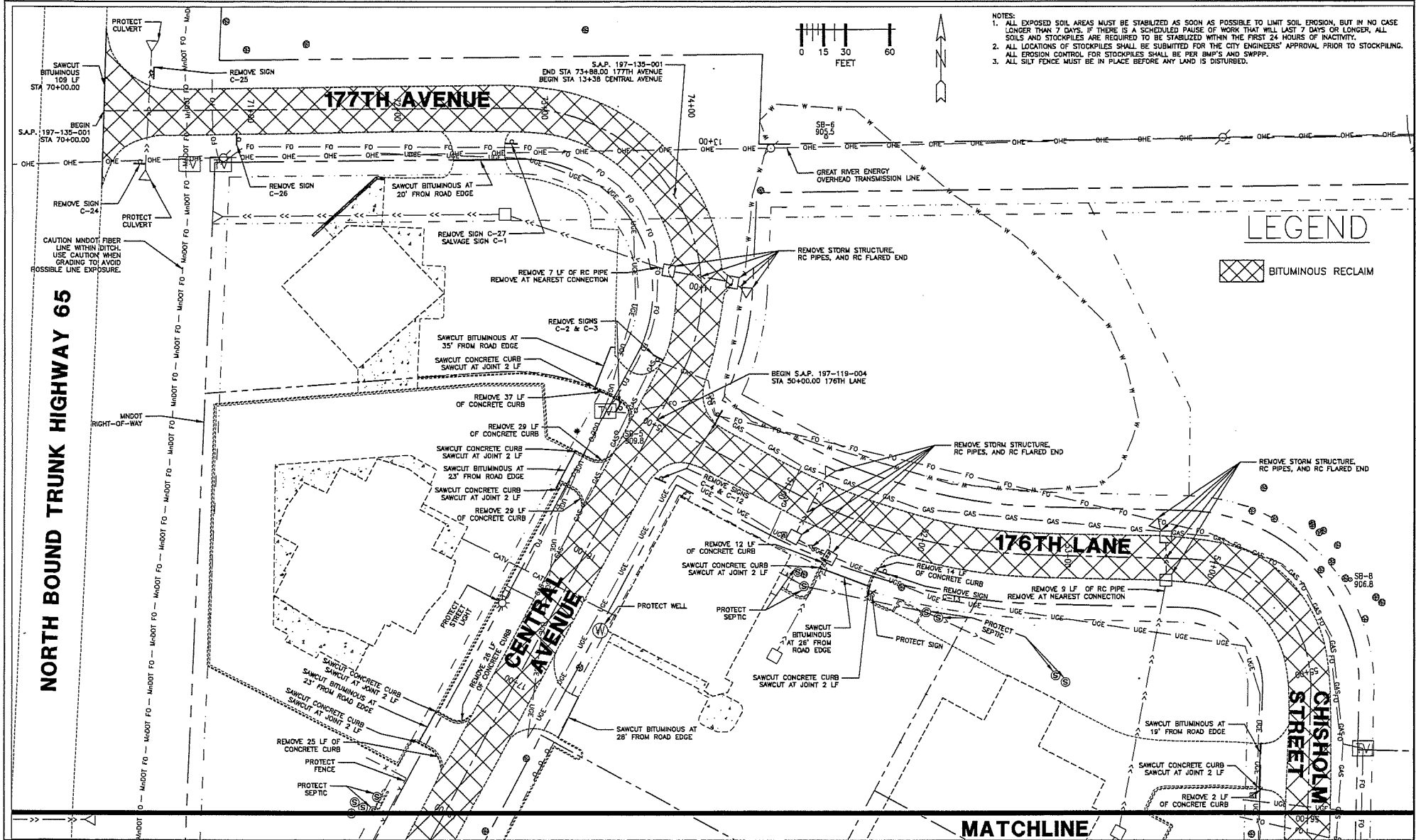
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 TREE REMOVAL PLANS

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG2205 REMOVETREES
 DATE: 05/12/28
 JOB NUMBER: 2205
 SHEET: 27 OF 61
 FILE: 37-2-127



- NOTES:
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEERS' APPROVAL PRIOR TO STOCKPILING.
 3. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.
 4. ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.

LEGEND

BITUMINOUS RECLAIM

NORTH BOUND TRUNK HIGHWAY 65

MATCHLINE



UTILITIES: LUMEN (763) 712-5617
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4578
 CONHOUS ENERGY (763) 323-2288
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David Thompson

DATE 05/12/26 REG. NO. 48768

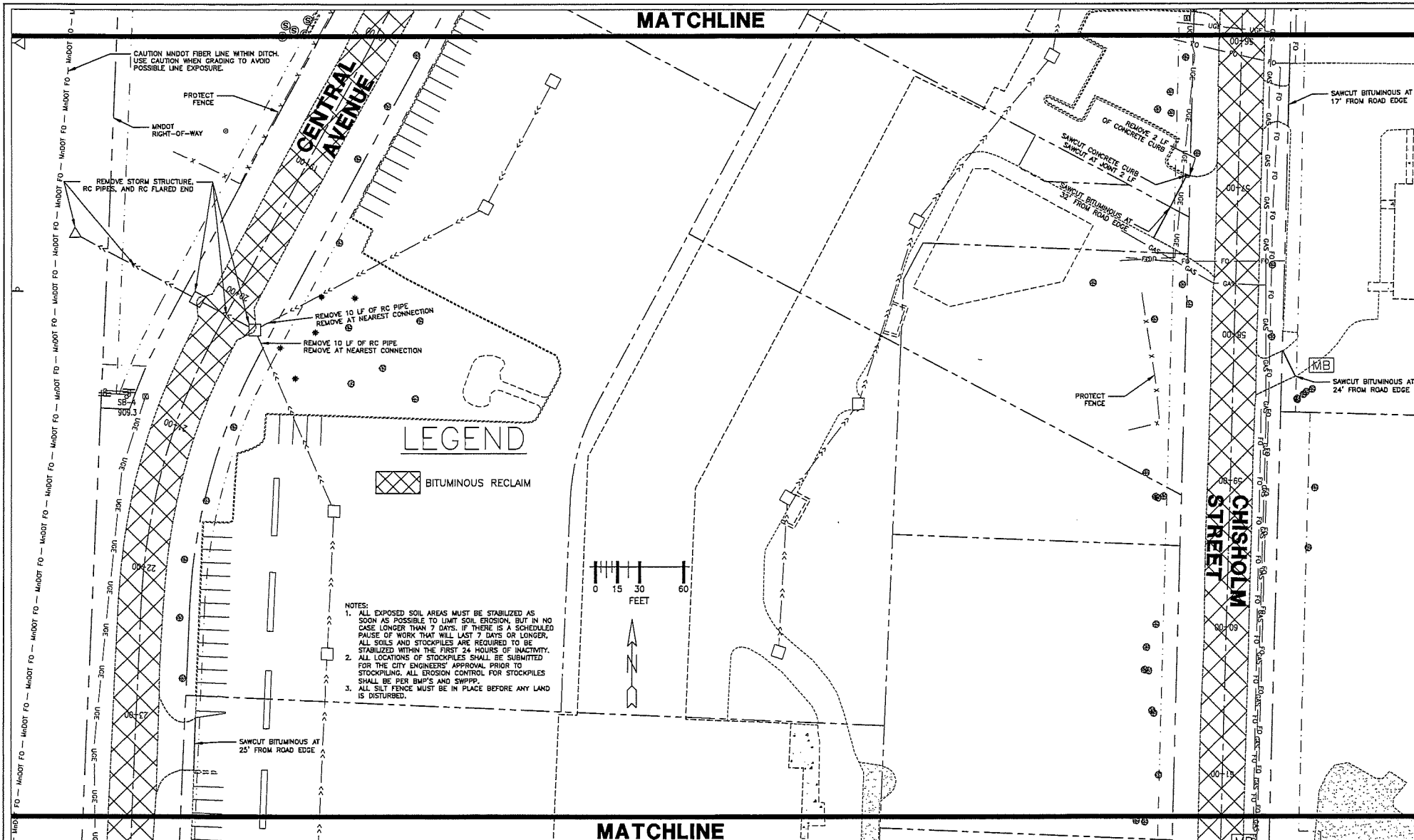
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

REMOVAL PLANS
 DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 REMOVAL 1
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 28 OF 61
 FILE: 37-2-128



UTILITIES: LUMEN (763) 712-3017
 CENTERPOINT ENERGY (763) 323-2760
 CONCAST (952) 607-4578
 CHISHOLM ENERGY (763) 323-4268
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David R. Kuehler

DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

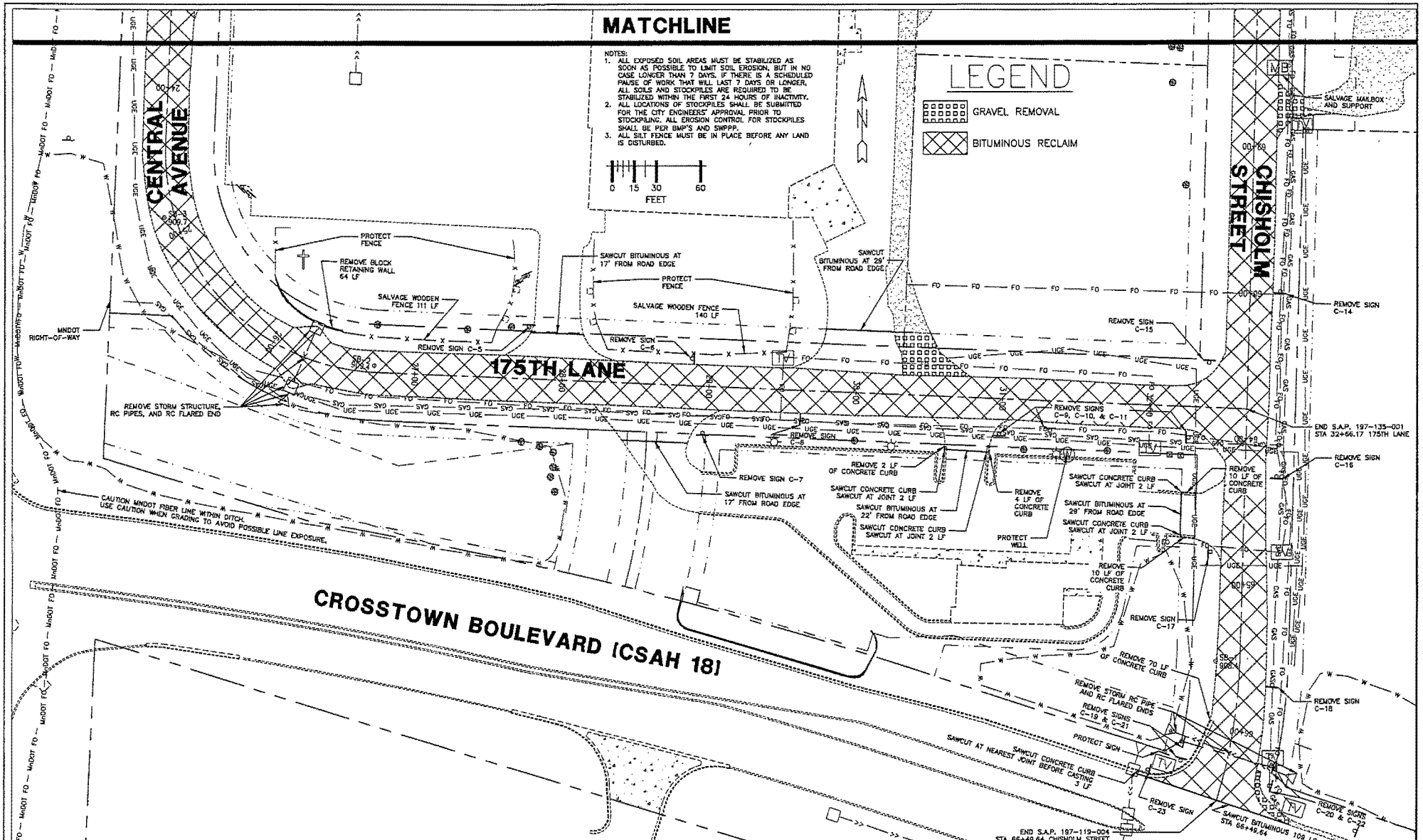
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

REMOVAL PLANS

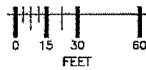
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 REMOVAL 2
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 29 OF 61
 FILE: 37-2-129



MATCHLINE

- NOTES:
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.
 3. ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.



LEGEND

- GRAVEL REMOVAL
- BITUMINOUS RECLAIM



UTILITIES:

LUMEN	(763) 712-5017
CENTERPOINT ENERGY	(763) 323-2760
CONQUEST	(652) 807-4078
CONOCO ENERGY	(763) 323-4388
GREAT RIVERS ENERGY	(763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David A. Engler
DATE 05/12/26 REG. NO. 49768

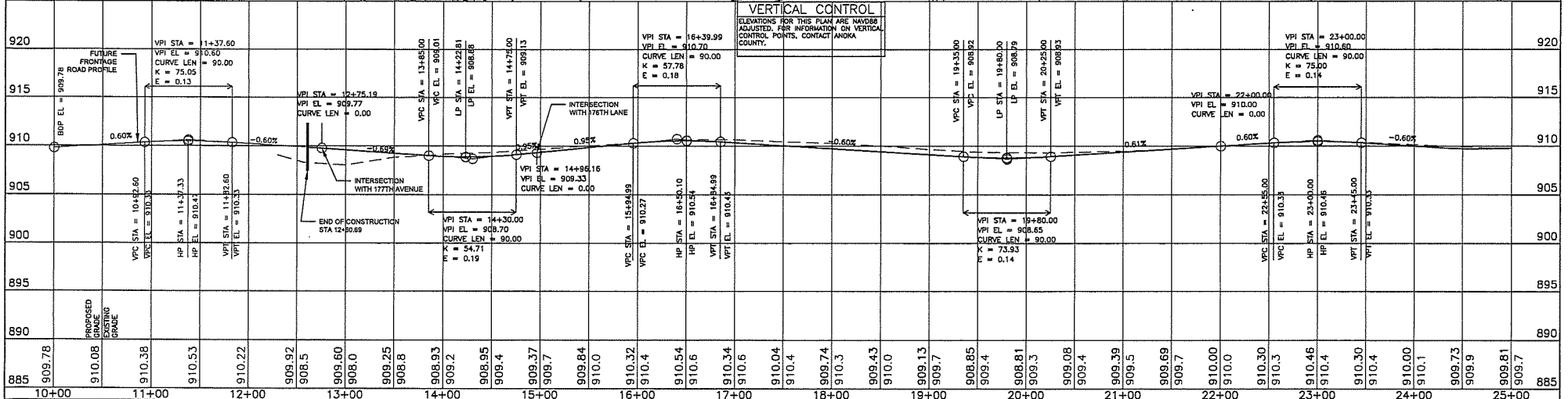
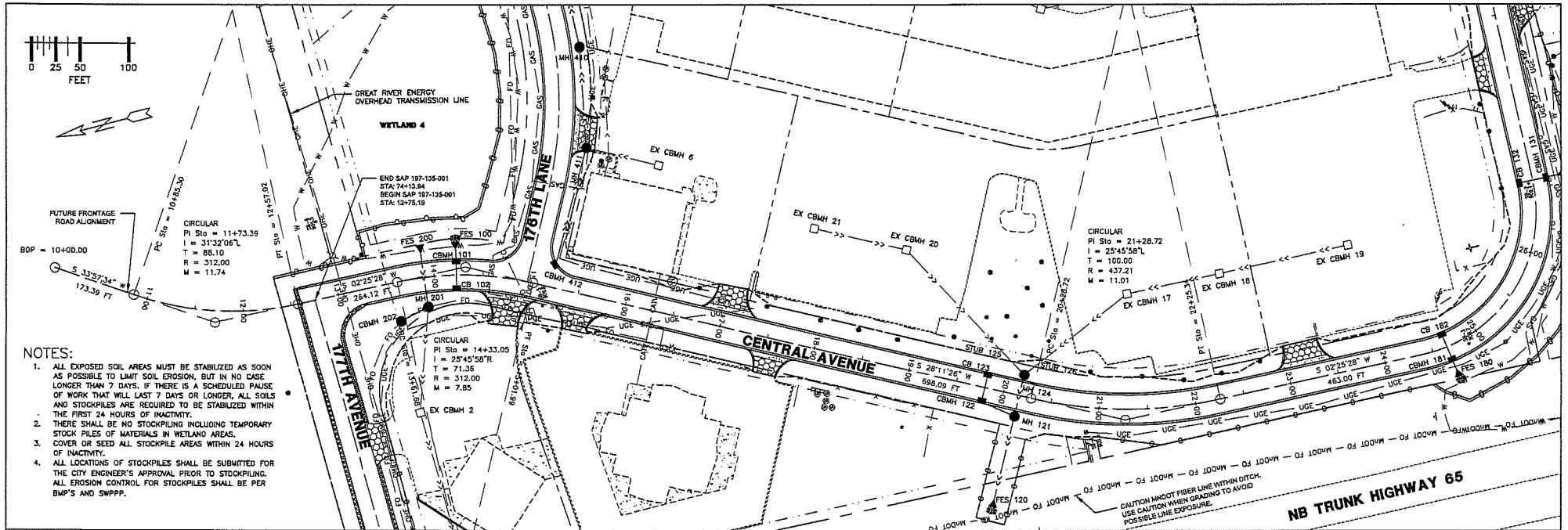
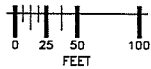
RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
REMOVAL PLANS

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 REMOVAL 3
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 30 OF 61
FILE: 37-2-130



GOPIKA STAYZ DAK CALL
800-252-1166 651-454-6002
PLOT DATE: 05/22/2018 10:18

UTILITIES: LUMEN (763) 712-5917, CENTERPOINT ENERGY (763) 323-2780, COMCAST (952) 807-4078, CONNORUS ENERGY (763) 323-4268, GREAT RIVERS ENERGY (763) 443-5984

DATE	REVISION HISTORY

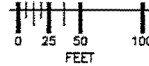
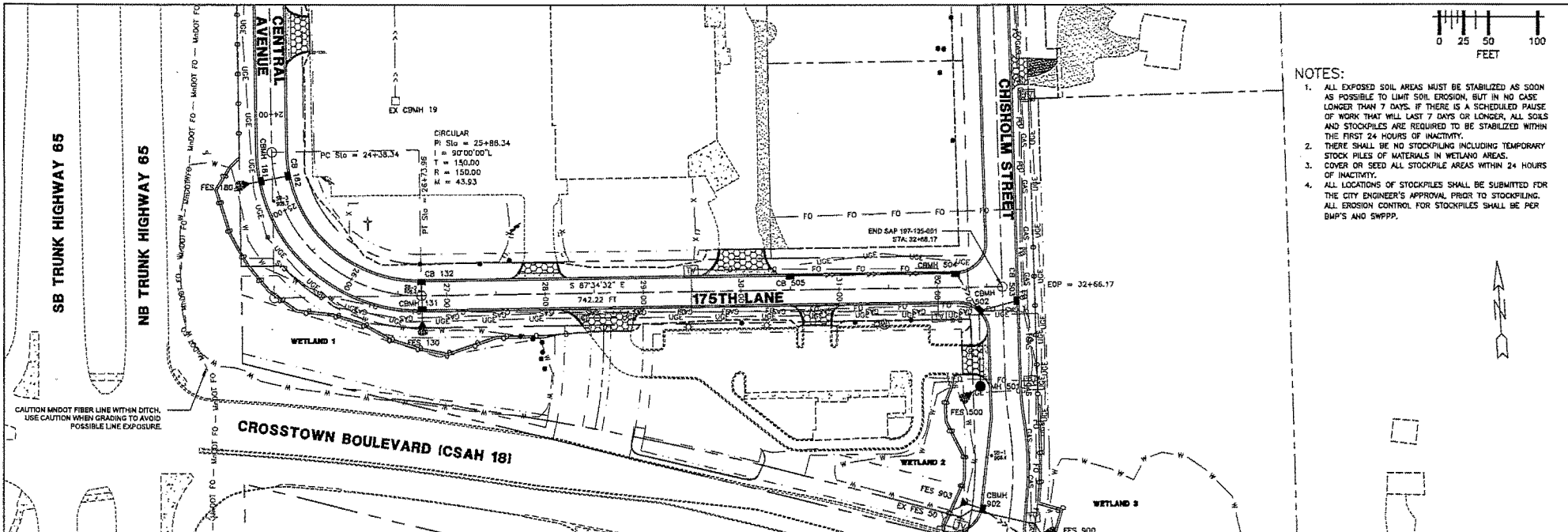
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
David H. Hengler
DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

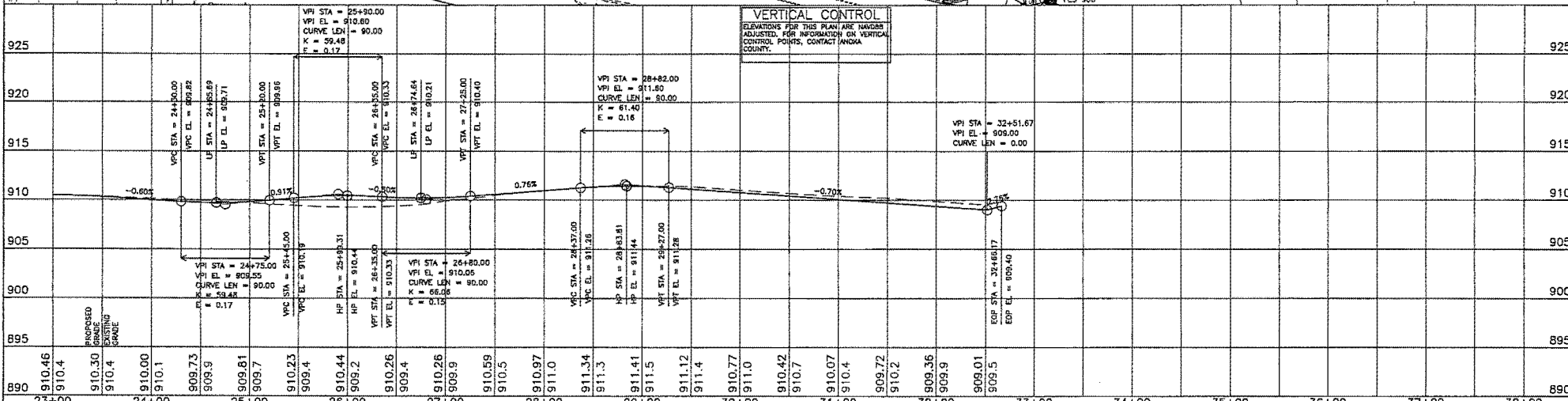
13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
CENTRAL AVENUE/175TH LANE
PLAN AND PROFILE
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: RCP1001
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 31 OF 61
FILE: 37-2-131



- NOTES:**
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. THERE SHALL BE NO STOCKPILING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
 3. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
 4. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.



COOPER STATE ONE CALL
800-552-1166 651-454-9002

UTILITIES:
LUMEN (763) 712-3017
CENTERPOINT ENERGY (763) 323-2760
COMCAST (952) 607-4078
CONDORUS ENERGY (763) 332-4768
GREAT RIVERS ENERGY (763) 443-5984

DATE	REVISION HISTORY

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

Donna K. Knapke
DATE 05/12/26 REG. NO. 48758

RFC ENGINEERING, INC.
Consulting Engineers

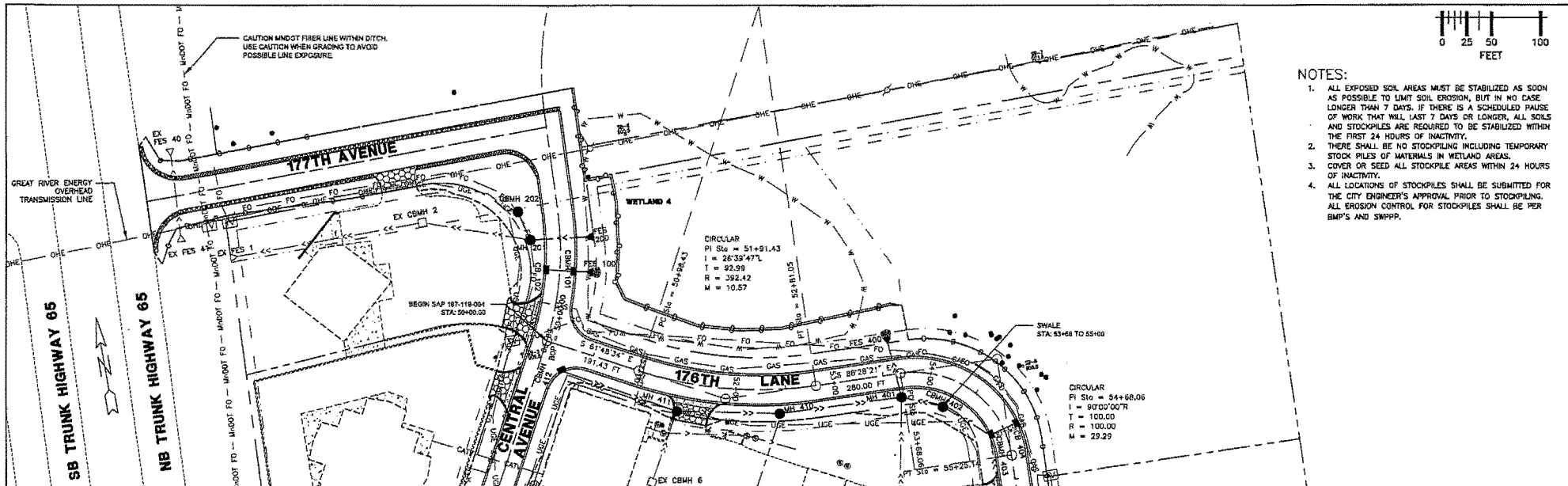
13635 Johnson Street
Horn Lake, MN 55304
Telephone 763-852-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

CENTRAL AVENUE/175TH LANE
PLAN AND PROFILE

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

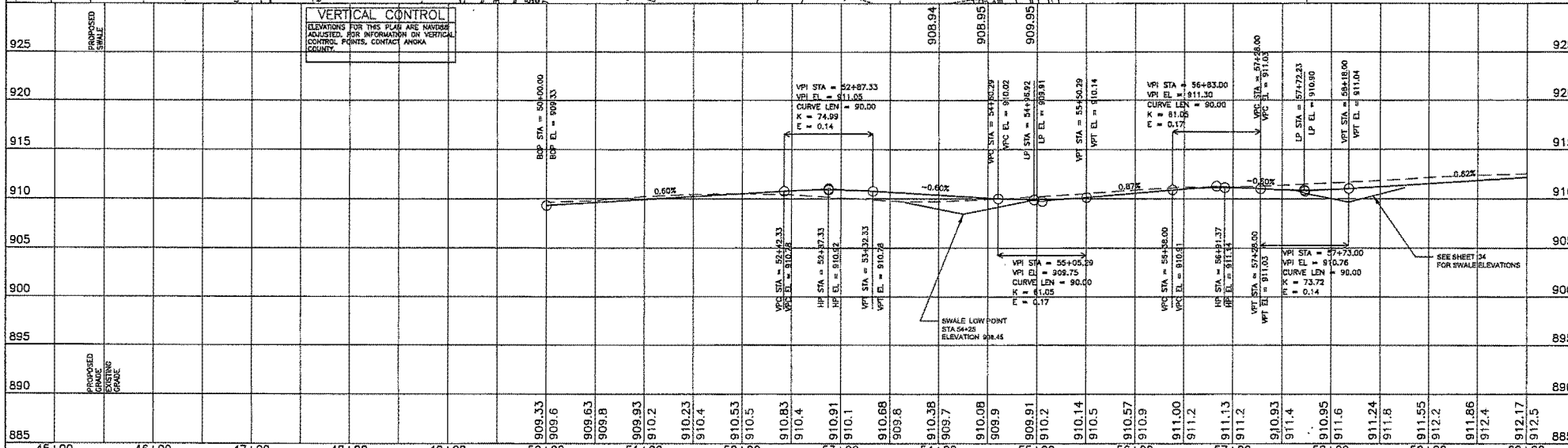
DWG: RCP22001
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 32 OF 61
FILE: 37-2-132



NOTES:

1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
2. THERE SHALL BE NO STOCKPILING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
3. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
4. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.

VERTICAL CONTROL
ELEVATIONS FOR THIS PLAN ARE NAVD83 ADJUSTED. FOR INFORMATION ON VERTICAL CONTROL POINTS, CONTACT ANKKA.



UTILITIES: LUMCON (763) 712-5017
CENTERTOWN ENERGY (763) 323-2760
COMCAST (925) 607-4078
CONROUSS ENERGY (763) 323-4268
GREAT RIVERS ENERGY (763) 445-5964

DATE: 05/12/26 REG. NO. 48768

DATE: 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Horn Lake, MN 55304
Telephone 763-862-5000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

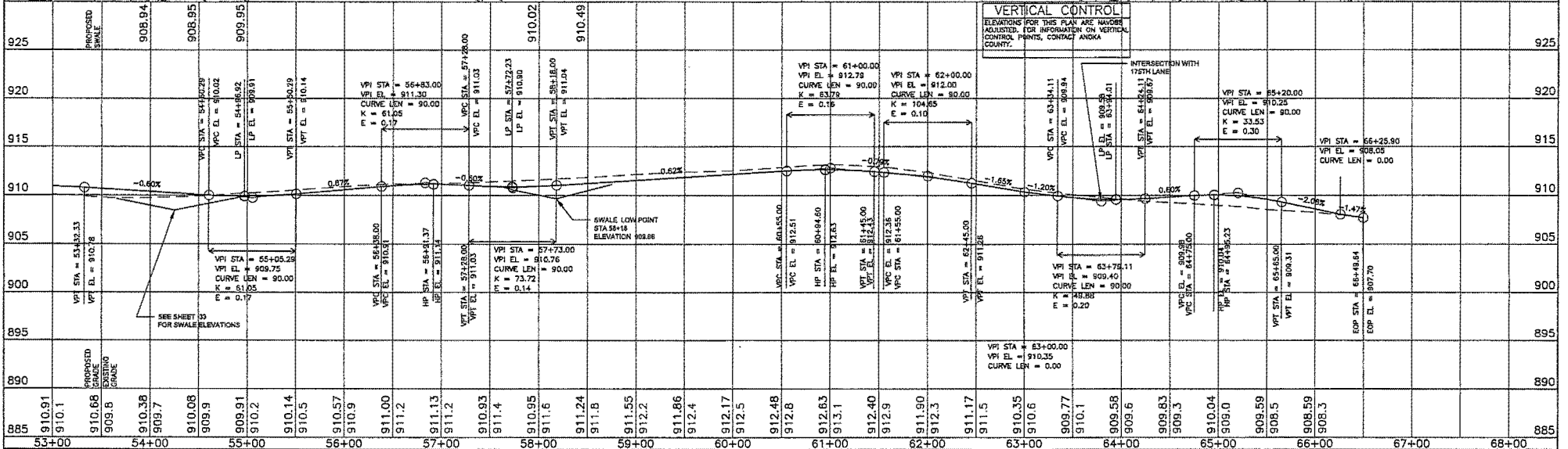
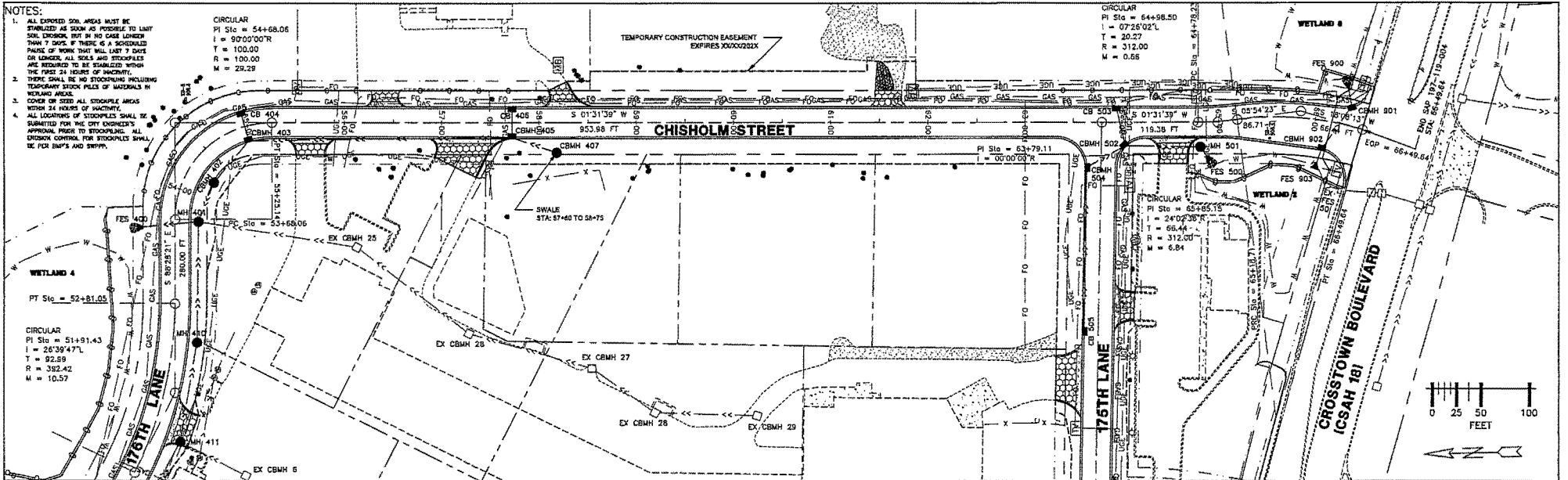
176TH LANE/CHISHOLM STREET
PLAN AND PROFILE

DWG: RCP01822
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 33 OF 61
FILE: 37-2-133

- NOTES:
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION. THIS IS NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PERIOD OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. THERE SHALL BE NO STOCKPIPING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
 3. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
 4. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL PRIOR TO STOCKPIPING. ALL DIRECTION CONTROL FOR STOCKPILES SHALL BE FOR SWP'S AND SWPP'S.

CIRCULAR
 PI Sta = 54+68.05
 I = 90°00'00"R
 T = 100.00
 R = 100.00
 M = 29.29

CIRCULAR
 PI Sta = 64+98.50
 I = 07°26'02"L
 T = 25.27
 R = 312.00
 M = 0.65



VERTICAL CONTROL
 ELEVATIONS FOR THIS PLAN ARE WADSWORTH ADJUSTED. FOR INFORMATION ON VERTICAL CONTROL PRINTS, CONTACT ANDKA COUNTY.



UTILITIES:
 LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (652) 807-4076
 CHANDLER ENERGY (763) 323-3368
 GREAT RIVERS ENERGY (763) 445-5884

DATE	REVISION HISTORY

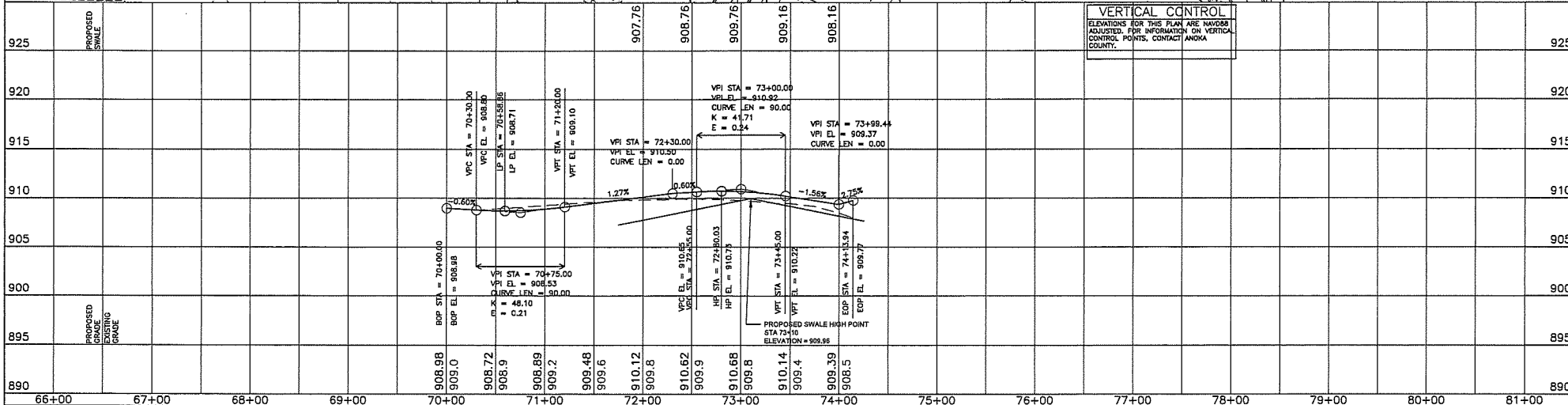
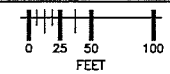
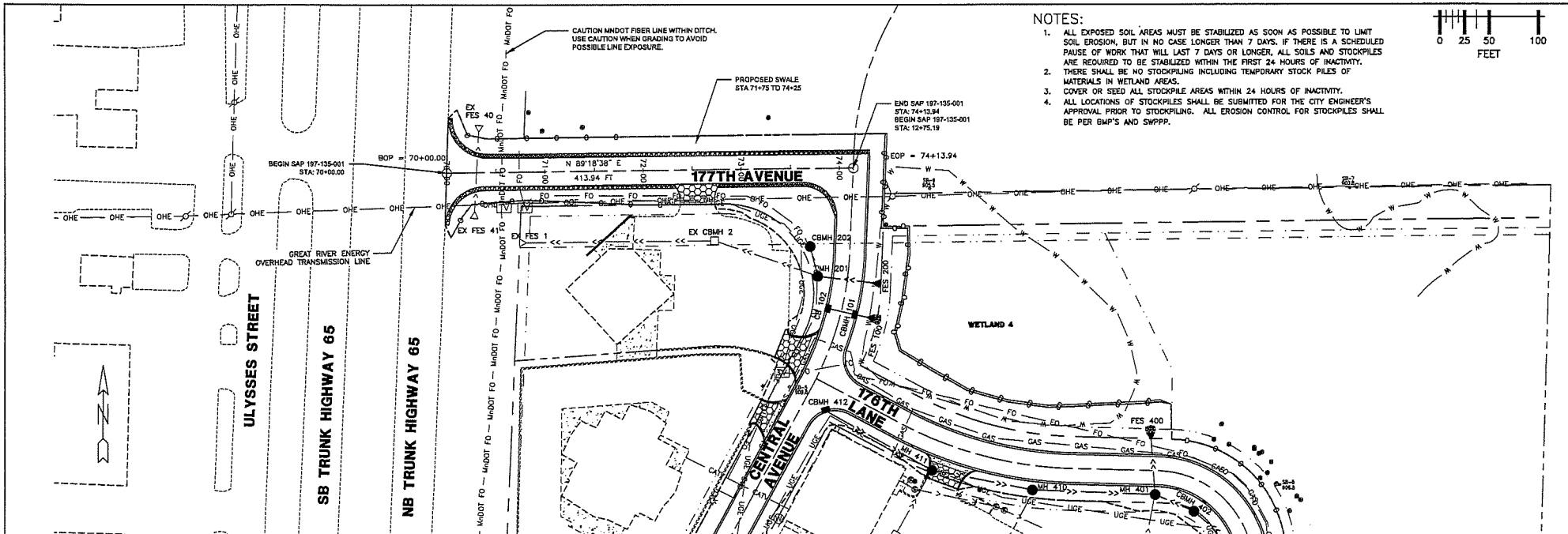
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY RESIDENT PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Dawn Hergula
 DATE 05/12/26 REG. NO. 48788

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 175TH LANE/CHISHOLM STREET
 PLAN AND PROFILE

DWG: RCP02202
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 34 OF 61
 FILE: 37-2-134



VERTICAL CONTROL
 ELEVATIONS FOR THIS PLAN ARE NAVD83.
 REQUESTED FOR INFORMATION ON VERTICAL CONTROL POINTS, CONTACT ANOKA COUNTY.

GOPIER & STAYE
ENGINEERS
 800-252-1166 651-454-0002
 PLOT DATE: 5/12/2025 10:18

UTILITIES:

LUMEN	(763) 712-5017
CENTERPOINT ENERGY	(763) 323-2780
CONCAST	(852) 807-4078
CONHOLUS ENERGY	(763) 323-6288
GREAT RIVERS ENERGY	(763) 445-5984

REVISION HISTORY

DATE	REVISION

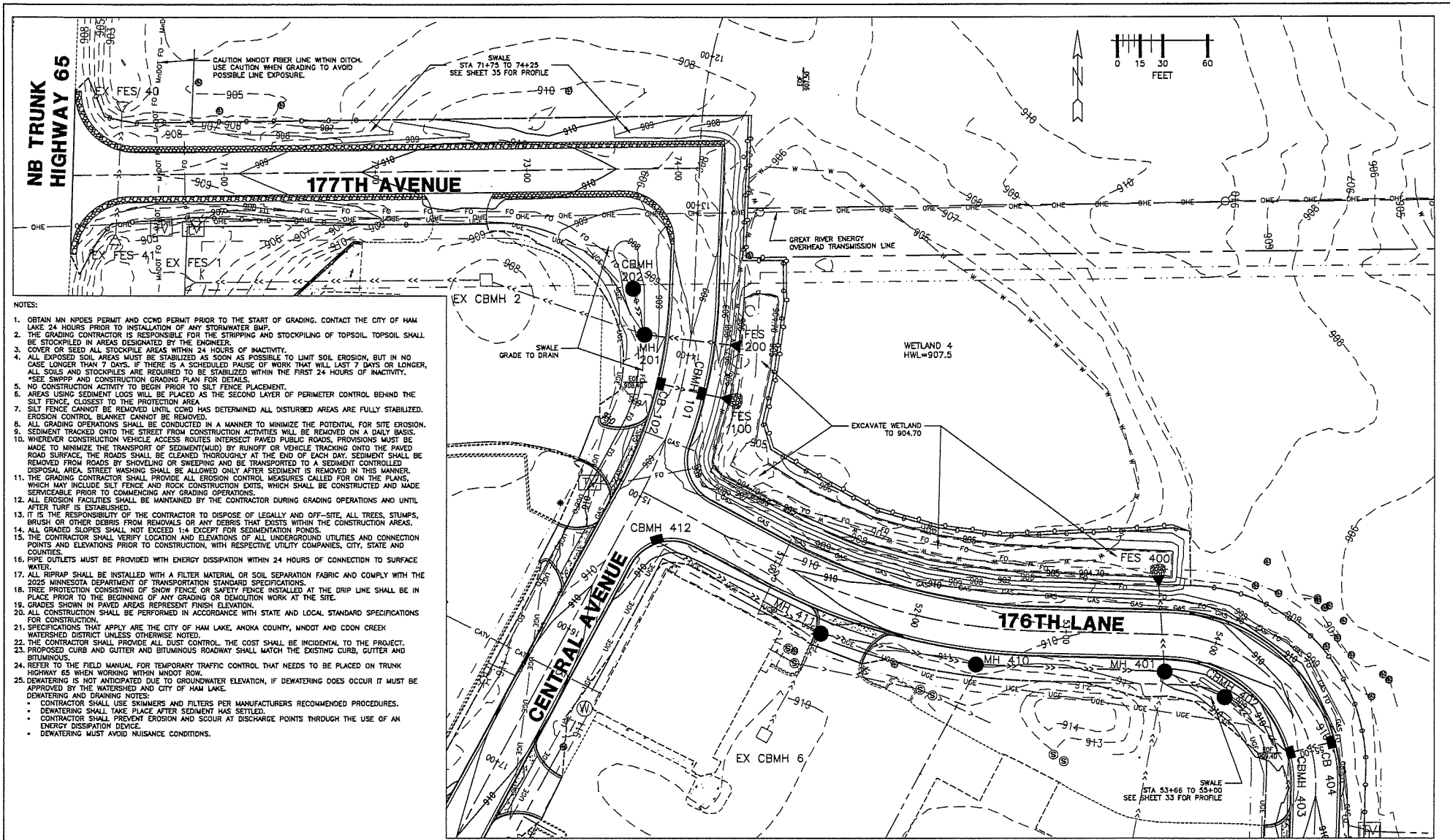
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
David K. Knapke
 DATE 05/12/25 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 1777H AVENUE
 PLAN AND PROFILE
 CHECKED BY: DAK

DWG: RCP01024
 DATE: 05/12/25
 JOB NUMBER: 2205
 SHEET: 35 OF 61
 FILE: 37-2-135



NOTES:

1. OBTAIN MN NPDES PERMIT AND CDDM PERMIT PRIOR TO THE START OF GRADING. CONTACT THE CITY OF HAM LAKE 24 HOURS PRIOR TO INSTALLATION OF ANY STORMWATER BMP.
2. THE GRADING CONTRACTOR IS RESPONSIBLE FOR THE STRIPPING AND STOCKPILING OF TOPSOIL. TOPSOIL SHALL BE STOCKPILED IN AREAS DESIGNATED BY THE ENGINEER.
3. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
4. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY. *SEE SWPPP AND CONSTRUCTION GRADING PLAN FOR DETAILS.
5. NO CONSTRUCTION ACTIVITY TO BEGIN PRIOR TO SILT FENCE PLACEMENT.
6. AREAS USING SEDIMENT LOSS WILL BE PLACED AS THE SECOND LAYER OF PERIMETER CONTROL BEHIND THE SILT FENCE. CLOSEST TO THE PROTECTION AREA.
7. SILT FENCE CANNOT BE REMOVED UNTIL CDDM HAS DETERMINED ALL DISTURBED AREAS ARE FULLY STABILIZED. EROSION CONTROL BLANKET CANNOT BE REMOVED.
8. ALL GRADING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION.
9. SEDIMENT TRACKED ONTO THE STREET FROM CONSTRUCTION ACTIVITIES WILL BE REMOVED ON A DAILY BASIS.
10. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED ROAD SURFACE. THE ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
11. THE GRADING CONTRACTOR SHALL PROVIDE ALL EROSION CONTROL MEASURES CALLED FOR ON THE PLANS, WHICH MAY INCLUDE SILT FENCE AND ROCK CONSTRUCTION EXITS, WHICH SHALL BE CONSTRUCTED AND MAINTAINED PRIOR TO COMMENCING ANY GRADING OPERATIONS.
12. ALL EROSION FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING GRADING OPERATIONS AND UNTIL AFTER TURF IS ESTABLISHED.
13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF LEGALLY AND OFF-SITE, ALL TREES, STUMPS, BRUSH OR OTHER DEBRIS FROM REMOVALS OR ANY DEBRIS THAT EXISTS WITHIN THE CONSTRUCTION AREAS.
14. ALL GRADED SLOPES SHALL NOT EXCEED 1:4 EXCEPT FOR SEDIMENTATION PONDS.
15. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATIONS OF ALL UNDERGROUND UTILITIES AND CONNECTION POINTS AND ELEVATIONS PRIOR TO CONSTRUCTION, WITH RESPECTIVE UTILITY COMPANIES, CITY, STATE AND COUNTIES.
16. PIPE OUTLETS MUST BE PROVIDED WITH ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER.
17. ALL RIPRAP SHALL BE INSTALLED WITH A FILTER MATERIAL OR SOIL SEPARATION FABRIC AND COMPLY WITH THE 2025 MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
18. TREE PROTECTION CONSISTING OF SNOW FENCE OR SAFETY FENCE INSTALLED AT THE DRIP LINE SHALL BE IN PLACE PRIOR TO THE BEGINNING OF ANY GRADING OR DEMOLITION WORK AT THE SITE.
19. GRADES SHOWN IN PAVED AREAS REPRESENT FINISH ELEVATION.
20. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH STATE AND LOCAL STANDARD SPECIFICATIONS FOR CONSTRUCTION.
21. SPECIFICATIONS THAT APPLY ARE THE CITY OF HAM LAKE, ANOKA COUNTY, WINDOT AND CDDM CREEK WATERSHED DISTRICT UNLESS OTHERWISE NOTED.
22. THE CONTRACTOR SHALL PROVIDE ALL DUST CONTROL. THE COST SHALL BE INCIDENTAL TO THE PROJECT.
23. PROPOSED CURB AND GUTTER AND BITUMINOUS FLOWWAY SHALL MATCH THE EXISTING CURB, GUTTER AND BITUMINOUS.
24. REFER TO THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL THAT NEEDS TO BE PLACED ON TRUNK HIGHWAY 65 WHEN WORKING WITHIN WINDOT ROW.
25. DEWATERING IS NOT ANTICIPATED DUE TO GROUNDWATER ELEVATION, IF DEWATERING DOES OCCUR IT MUST BE APPROVED BY THE WATERBOARD AND CITY OF HAM LAKE.

- DEWATERING AND DRAINING NOTES:**
- CONTRACTOR SHALL USE SKIMMERS AND FILTERS PER MANUFACTURERS RECOMMENDED PROCEDURES.
 - DEWATERING SHALL TAKE PLACE AFTER SEDIMENT HAS SETTLED.
 - CONTRACTOR SHALL PREVENT EROSION AND SCOUR AT DISCHARGE POINTS THROUGH THE USE OF AN ENERGY DISSIPATION DEVICE.
 - DEWATERING MUST AVOID NUISANCE CONDITIONS.



UTILITIES:	LUMEN (763) 712-8617
CENTERPOINT ENERGY (763) 323-2780	
CONCAST (952) 807-4078	
CONNORUS ENERGY (763) 323-2488	
GREAT RIVERS ENERGY (763) 445-5984	

DATE	REVISION HISTORY

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

David H. Hengle

DATE 05/12/26 REG. NO. 48768

13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CRODSTOWN SHOPPING CENTER STREET RECONSTRUCTION

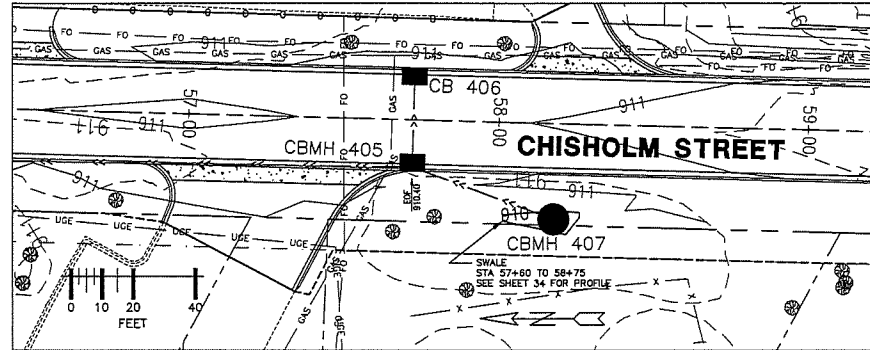
GRADING AND DRAINAGE PLAN

DWG: 2205 GRADING 1
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 36 OF 61
FILE: 37-2-136

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

RFC ENGINEERING, INC.
Consulting Engineers

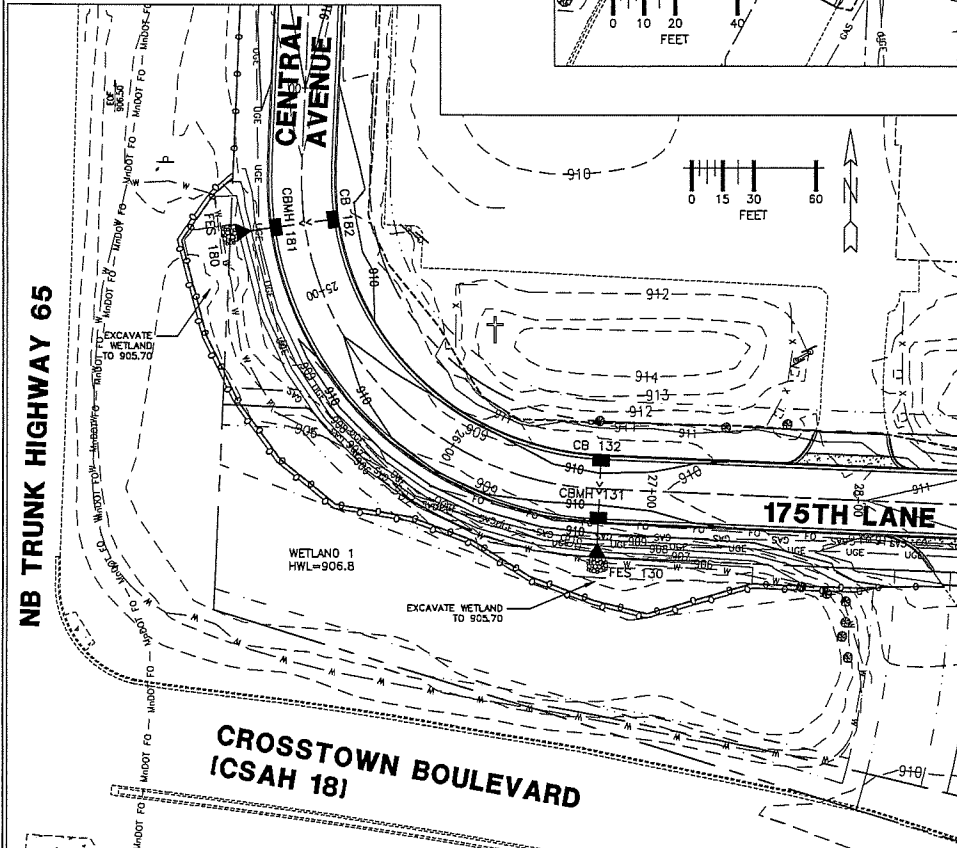
SWALE 57+60 TO 58+75



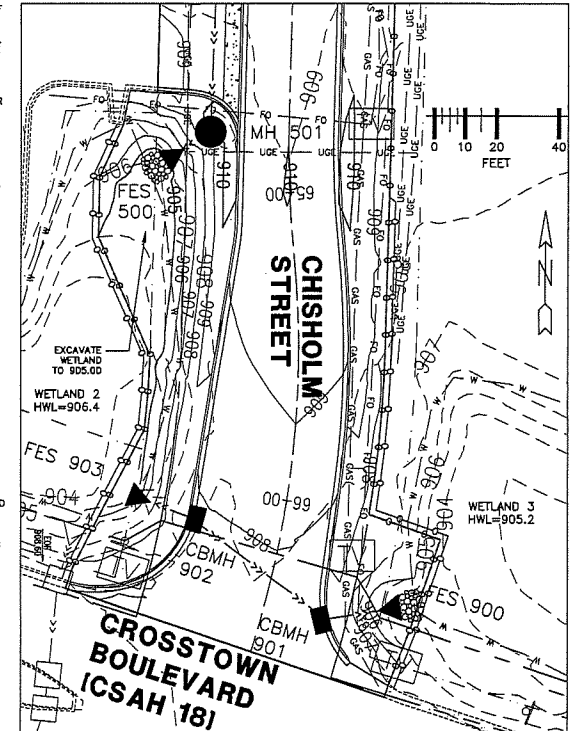
NOTES:

- OBTAIN MN NPDES PERMIT AND COWD PERMIT PRIOR TO THE START OF GRADING. CONTACT THE CITY OF HAM LAKE 24 HOURS PRIOR TO INSTALLATION OF ANY STORMWATER BUMP.
 - THE GRADING CONTRACTOR IS RESPONSIBLE FOR THE STRIPPING AND STOCKPILING OF TOPSOIL. TOPSOIL SHALL BE STOCKPILED IN AREAS DESIGNATED BY THE ENGINEER.
 - COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
 - ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL EXCEED 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 - SEE SWPPP AND CONSTRUCTION GRADING PLAN FOR DETAILS.
 - NO CONSTRUCTION ACTIVITY TO BEGIN PRIOR TO SILT FENCE PLACEMENT.
 - AREAS USING SEDIMENT LOGS WILL BE PLACED AS THE SECOND LAYER OF PERIMETER CONTROL, BEHIND THE SILT FENCE, CLOSEST TO THE PROTECTION AREA.
 - SILT FENCE CANNOT BE REMOVED UNTIL COWD HAS DETERMINED ALL DISTURBED AREAS ARE FULLY STABILIZED. EROSION CONTROL BLANKET CANNOT BE REMOVED.
 - ALL GRADING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION.
 - SEDIMENT TRACKED ONTO THE STREET FROM CONSTRUCTION ACTIVITIES WILL BE REMOVED ON A DAILY BASIS.
 - WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT(MUD) BY RIMPING OR VEHICLE TRACKING ONTO THE PAVED ROAD SURFACE. THE ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
 - THE GRADING CONTRACTOR SHALL PROVIDE ALL EROSION CONTROL MEASURES CALLED FOR ON THE PLANS, WHICH MAY INCLUDE SILT FENCE AND ROCK CONSTRUCTION EXITS, WHICH SHALL BE CONSTRUCTED AND MADE SERVICEABLE PRIOR TO COMMENCING ANY GRADING OPERATIONS.
 - ALL EROSION FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING GRADING OPERATIONS AND UNTIL AFTER TURF IS ESTABLISHED.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF LEGALLY AND OFF-SITE, ALL TREES, STUMPS, BRUSH OR OTHER DEBRIS FROM REMOVALS OR ANY DEBRIS THAT EXISTS WITHIN THE CONSTRUCTION AREAS.
 - ALL GRADED SLOPES SHALL NOT EXCEED 1:4 EXCEPT FOR SEDIMENTATION PONDS.
 - THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATIONS OF ALL UNDERGROUND UTILITIES AND CONNECTION POINTS AND ELEVATIONS PRIOR TO CONSTRUCTION, WITH RESPECTIVE UTILITY COMPANIES, CITY, STATE AND COUNTIES.
 - PIPE OUTLETS MUST BE PROVIDED WITH ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER.
 - ALL RIPRAP SHALL BE INSTALLED WITH A FILTER MATERIAL OR SOIL SEPARATION FABRIC AND COMPLY WITH THE 2025 MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
 - EROSION PROTECTION CONSISTING OF SNOW FENCE OR SOIL FENCE INSTALLED AT THE DRIP LINE SHALL BE IN PLACE PRIOR TO THE BEGINNING OF ANY GRADING OR DEMOLITION AT THE SITE.
 - GRADES SHOWN IN PAVED AREAS REPRESENT FINISH ELEVATION.
 - ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH STATE AND LOCAL SPECIFICATIONS THAT APPLY ARE THE CITY OF HAM LAKE, ANOKA COUNTY, MNDOT AND COON CREEK WATERSHED DISTRICT UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL PROVIDE ALL DUST CONTROL. THE COST SHALL BE INCIDENTAL TO THE PROJECT.
 - PROPOSED CURB AND GUTTER AND BITUMINOUS ROADWAY SHALL MATCH THE EXISTING CURB, GUTTER AND BITUMINOUS.
 - REFER TO THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL THAT NEEDS TO BE PLACED ON TRUNK HIGHWAY 65 WHEN WORKING WITHIN MNDOT ROW.
 - DOWATERING IS NOT ANTICIPATED DUE TO GROUNDWATER ELEVATION. IF DOWATERING DOES OCCUR IT MUST BE APPROVED BY THE WATERSHED AND CITY OF HAM LAKE.
- DOWATERING AND DRAINING NOTES:
- CONTRACTOR SHALL USE SKIMMERS AND FILTERS PER MANUFACTURERS RECOMMENDED PROCEDURES.
 - DOWATERING SHALL TAKE PLACE AFTER SEDIMENT HAS SETTLED.
 - CONTRACTOR SHALL PREVENT EROSION AND SCOUR AT DISCHARGE POINTS THROUGH THE USE OF AN ENERGY DISSIPATION DEVICE.
 - DOWATERING MUST AVOID UNSURE CONDITIONS.

WETLAND 1



WETLAND 2



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 807-4078
 CONSOLIDATED ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 443-3984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Don Kuepfer
 DATE 05/12/26 REC. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 GRADING AND DRAINAGE PLAN

DWG. 2205 GRADING 2
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 37 OF 61
 FILE: 37-2-137

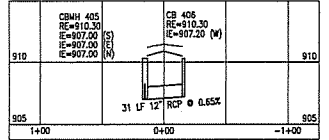
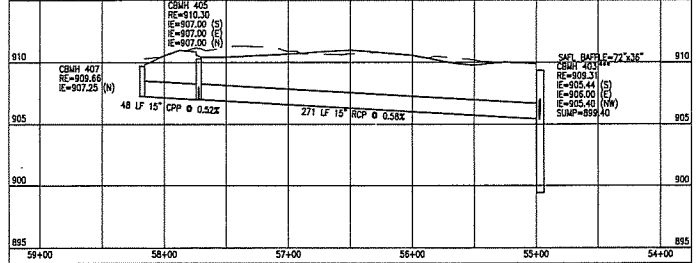
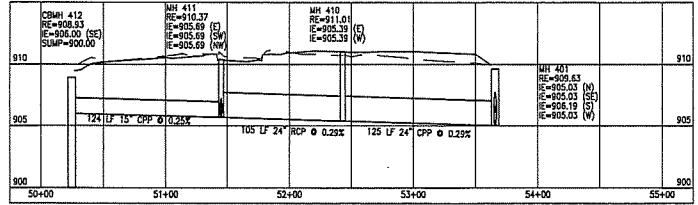
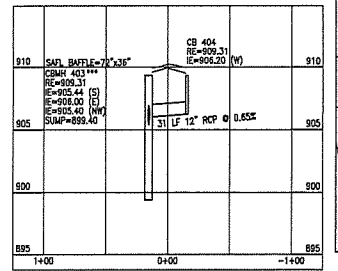
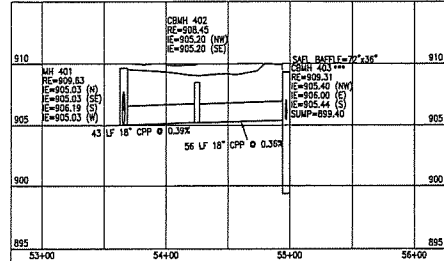
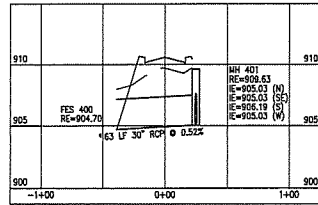
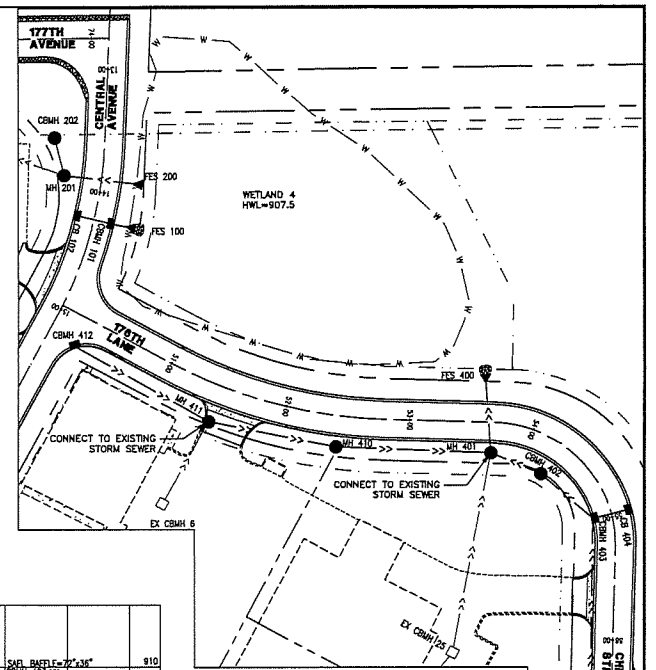
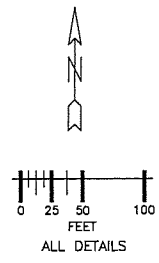
DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

STORM DRAIN

STRUCTURE	STATION	LOCATION	SIZE OF STRUCTURE	DESIGN	TOP OF CASTING OR INLET	INVERT	CASTING ASSEMBLY (NEENAH, EJ, OL)**	TYPE GRATE (NEENAH CASTINGS)	12"	15"	24"	30"	15"	18"	24"	PIPE APRON	TRASH GUARD	APRON	SAFL BAFFLE ***	FLOWS TO	INLET	% GRADE	
									IN FT	IN FT	IN FT	IN FT	IN FT	IN FT	IN FT								IN FT
CBMH 412	50+24.7	RT.	72" #	RFC-465A3	908.93	906.00	R-3067	C												MH 411	905.69	0.25	
MH 411	51+45	RT.	48" #	RFC-465C	910.37	905.69	R-1733	-													MH 410	905.39	0.29
MH 410	52+43	RT.	48" #	RFC-465C	911.01	905.39	R-1733	-			105										MH 401	905.03	0.29
CBMH 407	58+17.9	RT.	48" #	RFC-465C1	908.66	907.25	R-2577	C							48						CBMH 405	907.00	0.52
CB 406	57+72.2	LT.	2' x 3'	RFC-459C	910.30	907.20	R-3067	C													CBMH 405	907.00	0.65
CBMH 405	57+72.2	RT.	48" #	RFC-465A1	910.30	907.00	R-3067	C													CBMH 403	905.44	0.58
CB 404	54+85.9	LT.	2' x 3'	RFC-459C	909.31	908.20	R-3067	C													CBMH 403	906.00	0.65
CBMH 403	54+96.9	RT.	72" #	RFC-465A3	908.31	905.40	R-3067	C													CBMH 402	905.20	0.36
CBMH 402	54+24.9	RT.	48" #	RFC-465C1	908.45	905.20	R-2577	C							56						CBMH 401	905.03	0.39
MH 401	53+65.7	RT.	72" #	RFC-465C	909.53	905.03	R-1733	-													FES 400	904.70	0.52
TOTAL									62	271	105	57	172	99	125	6.2	1	1			FES 400	904.70	0.52

NOTES:

- ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
- THERE SHALL BE NO STOCKPILING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
- COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
- ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.
- ALL REMOVALS TO BE DISPOSED OF LEGALLY.
- * PIPE LENGTH INCLUDES APRON.
- ** NEENAH FOUNDRY R-3067; EAST JORDAN IRON WORKS V-7030; O&L FOUNDRY I-1804.
- ** NEENAH FOUNDRY R-1733; EAST JORDAN IRON WORKS V-1260; O&L FOUNDRY A-1028.
- *** STRUCTURE RECEIVES SAFFLE BAFFLE.



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4076
 CONNOR'S ENERGY (763) 323-1268
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY
05/12/28	

I HEREBY CERTIFY THAT THIS PLAN 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.
David Krueger
 DATE 05/12/28 REG. NO. 48268

RFC ENGINEERING, INC.
 Consulting Engineers

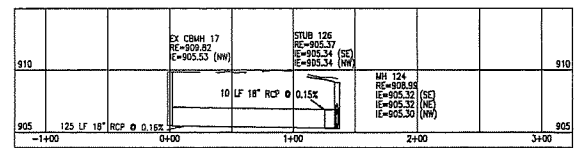
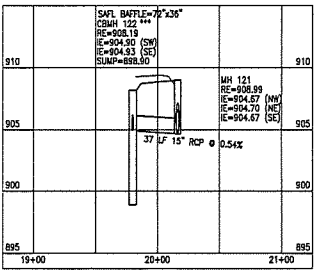
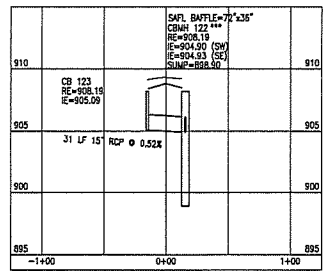
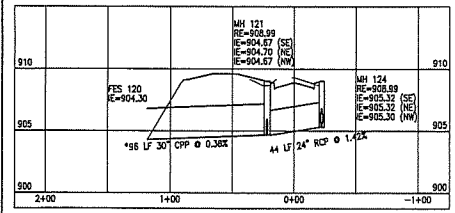
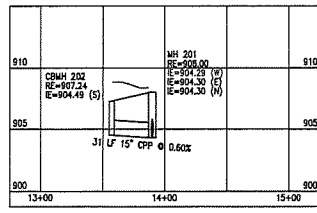
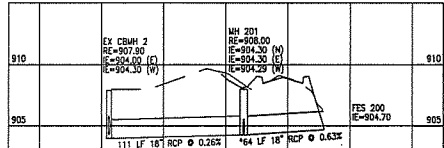
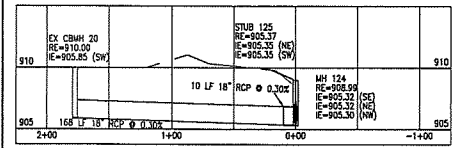
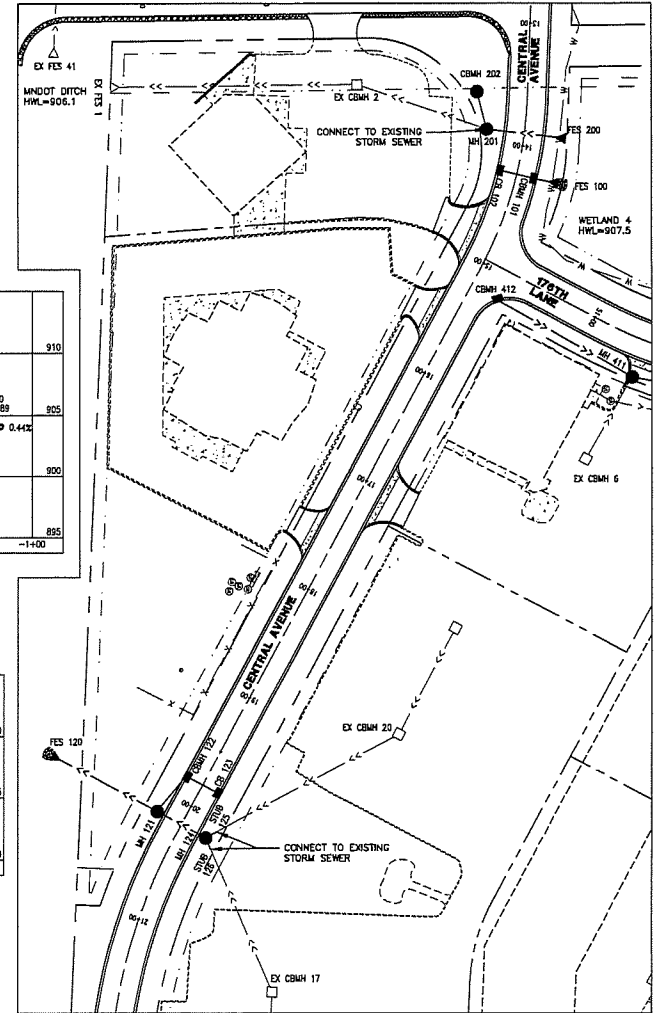
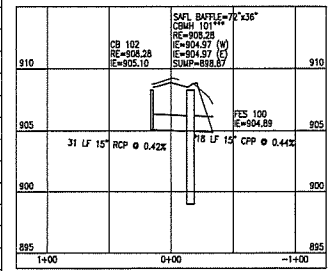
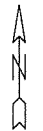
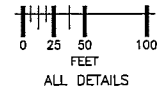
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

STORM DETAILS
 DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 STORM 1
 DATE: 05/12/28
 JOB NUMBER: 2205
 SHEET: 38 OF 61
 FILE: 37-2-138

STORM DRAIN																					
STRUCTURE	STATION	LOCATION	SIZE OF STRUCTURE	DESIGN	TOP OF CASTING OR INLET	INVERT	CASTING ASSEMBLY (NEENAH, E.J. DL)**	TYPE GRATE (NEENAH CASTINGS)	15" R.C.P. LIN FT	18" R.C.P. LIN FT	24" R.C.P. LIN FT	15" C.P.P. LIN FT	30" C.P.P. LIN FT	PIPE APRON LIN FT	TRASH GUARD EACH	APRON EACH	SAFL BAFFLE *** EACH	FLOWS TO INLET	% GRADE		
FES 200	13+89.2	LT.		FES	904.70																
MH 201	13+89.9	RT.	72" ø	RFC-465C	908.00	904.29	R-1733	-		58				6.1	1	1		MH 201	904.30	0.63	
CBMH 202	13+79.7	RT.	48" ø	RFC-465C1	907.24	904.49	R-2577	C											EX CBMH 2	904.00	0.26
CB 102	14+22.8	RT.	2' x 3'	RFC-459C	908.28	905.1	R-3067	C													
CBMH 101	14+22.8	LT.	72" ø	RFC-465A3	908.28	904.97	R-3067	C		31									CBMH 101	904.97	0.42
STUB 126	20+22.5	LT.		FES	905.37	905.34															
STUB 125	20+08	LT.		FES	905.37	905.35				10											
MH 124	20+16.3	LT.	48" ø	RFC-465C	908.89	905.30	R-1733	-													
CB 123	19+80	LT.	2' x 3'	RFC-459C	908.19	905.09	R-3067	C													
CBMH 122	19+80	RT.	72" ø	RFC-465A3	908.19	904.90	R-3067	C		31									CBMH 122	904.93	0.52
MH 121	20+16.2	RT.	60" ø	RFC-465C	908.99	904.67	R-1733	-													
TOTAL									99	78	44	47	92		3	3	2				



- NOTES:**
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
 2. THERE SHALL BE NO STOCKPILING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
 3. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.
 4. ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.
 5. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
 6. * PIPE LENGTH INCLUDES APRON
 7. ** NEENAH FOUNDRY R-3067; EAST JORDAN IRON WORKS Y-7030; D&L FOUNDRY I-1804.
 8. ** NEENAH FOUNDRY R-1733; EAST JORDAN IRON WORKS Y-1280; D&L FOUNDRY A-1028.
 9. *** STRUCTURE RECEIVES SAFL BAFFLE.



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONNEXUS ENERGY (763) 303-4268
 GREAT RIVERS ENERGY (763) 445-5984

DATE: _____ REVISION HISTORY: _____
 I HEREBY CERTIFY THAT THIS PLAN 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.
David K. Krueger
 DATE 05/12/25 REC. NO. 48788

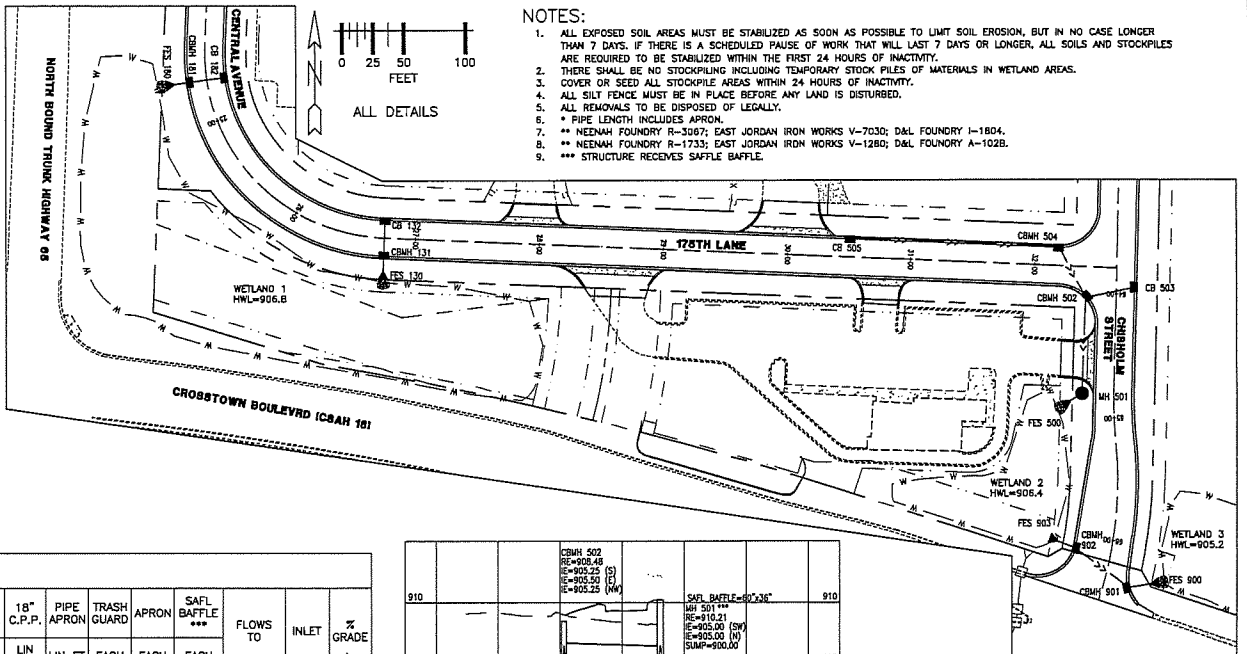
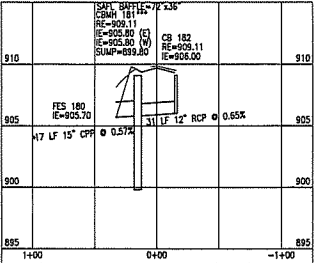
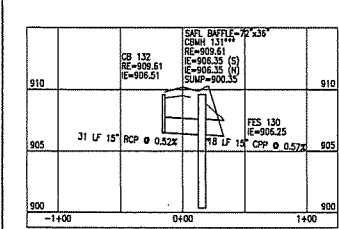
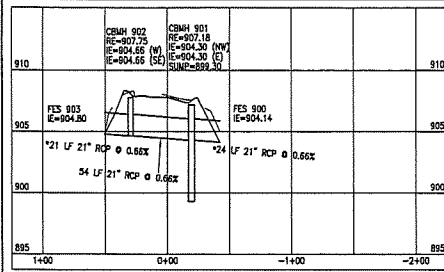
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

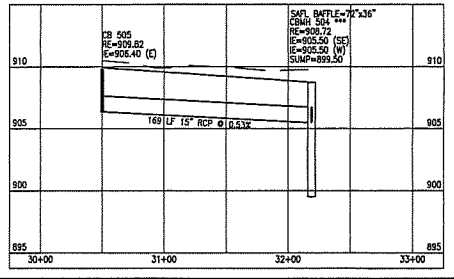
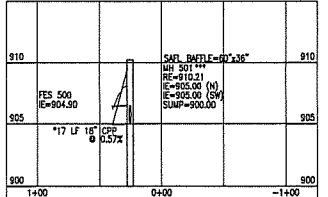
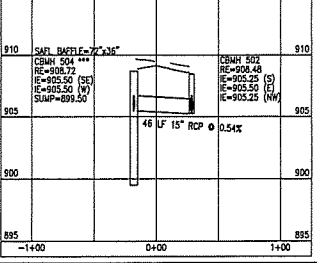
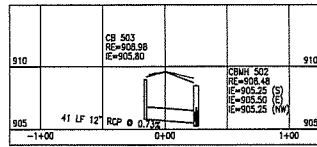
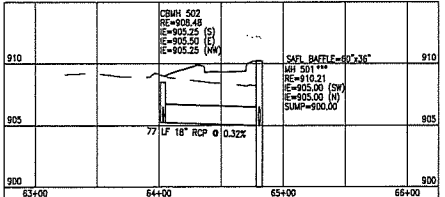
STORM DETAILS
 DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 STORM 2
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 39 OF 61
 FILE: 37-2-139



- NOTES:**
1. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
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 5. ALL REMOVALS TO BE DISPOSED OF LEGALLY.
 6. * PIPE LENGTH INCLUDES APRON.
 7. ** NEENAH FOUNDRY R-3067; EAST JORDAN IRON WORKS V-7030; DAL FOUNDRY I-1804.
 8. ** NEENAH FOUNDRY R-1733; EAST JORDAN IRON WORKS V-1280; DAL FOUNDRY A-102B.
 9. *** STRUCTURE RECEIVES SAFFLE BAFFLE.

STORM DRAIN																				
STRUCTURE	STATION	LOCATION	SIZE OF STRUCTURE	DESIGN	TOP OF CASTING OR INLET	INVERT	CASTING ASSEMBLY (NEENAH, EJ, DL)**	TYPE GRATE (NEENAH CASTINGS)	12"	15"	18"	21"	PIPE	TRASH	APRON	SAFFLE BAFFLE ***	FLOWS TO	INLET	% GRADE	
									R.C.P. LIN FT	R.C.P. LIN FT	R.C.P. LIN FT	R.C.P. LIN FT								C.P.P. LIN FT
CB 182	24+65.7	LT.	2' x 3'	RFC-459C	909.11	906	R-3067	C									CBMH 181	905.80	0.65	
CBMH 181	24+65.7	RT.	72" #	RFC-465A3	909.11	905.8	R-3067	C									FES 180	905.70	0.57	
CB 132	26+74.6	LT.	2' x 3'	RFC-459C	909.61	906.51	R-3067	C					15	2.2	1	1	FES 130	906.25	0.57	
CBMH 131	26+74.6	RT.	72" #	RFC-465A3	909.61	906.35	R-3067	C									CBMH 131	908.35	0.52	
CB 505	30+50	LT.	2' x 3'	RFC-459C	909.82	905.40	R-3067	L					15	2.2	1	1	FES 130	906.25	0.57	
CBMH 504	32+18.8	LT.	72" #	RFC-465A3	908.72	905.50	R-3067	C									CBMH 504	905.50	0.53	
CB 503	63+94	LT.	2' x 3'	RFC-459C	908.98	905.80	R-3067	C								1	CBMH 502	905.25	0.54	
CBMH 502	64+03.2	RT.	48" #	RFC-465A1	908.48	905.25	R-3067	C									CBMH 502	905.50	0.73	
MH 501	64+80.4	RT.	60" #	RFC-465C5	910.21	905	R-1733	-									MH 501	905.00	0.32	
FES 903	66+06.8	RT.		FES		904.8							15	2.6	1	1	FES 500	904.90	0.57	
CBMH 902	66+11.2	RT.	48" #	RFC-465A1	907.75	904.86	R-3067	C									CBMH 902	904.66	0.66	
CBMH 901	66+33.3	LT.	60" #	RFC-465A3	907.18	904.3	R-3067	C									CBMH 901	804.30	0.66	
TOTAL									72	246	77	87	30	15				FES 900	904.14	0.56



UTILITIES: LUXEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONGRESS ENERGY (763) 333-4268
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY
05/12/26	REC. NO. 48768

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Naresh Krugale
 DATE 05/12/26 REC. NO. 48768

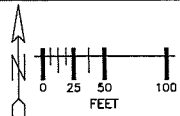
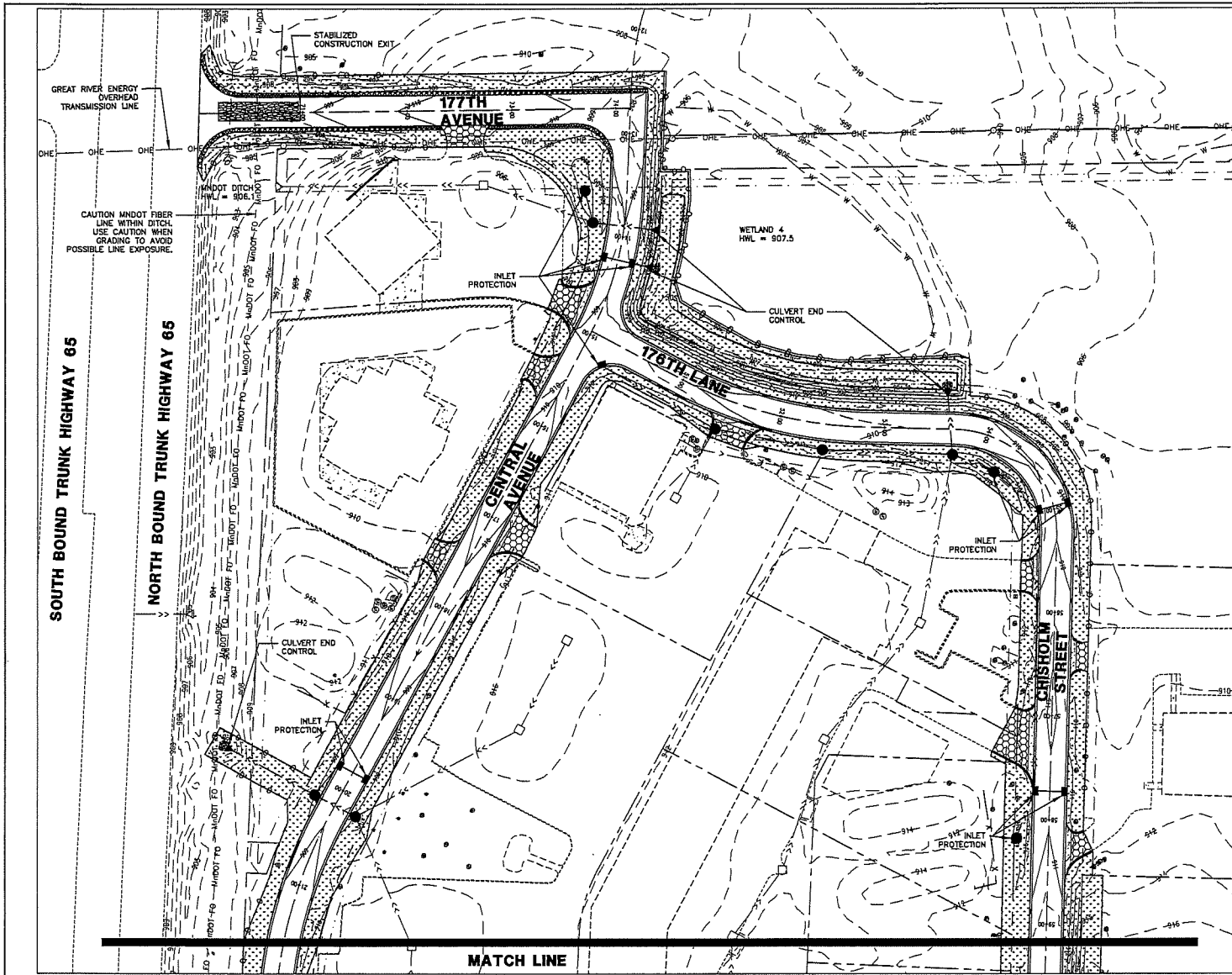
RFC ENGINEERING, INC.
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 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 STORM DETAILS





DWG: 2205 STORM 3
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 40 OF 61
 FILE: 37-2-140

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



ALL DETAILS

LEGEND

-  R/RAP, CLASS II WITH FABRIC
-  SEED MIX 25-131: COMMERCIAL TURF
MULCH TYPE 1
PLANT APRIL 1ST - JUNE 1ST FOR SPRING PLANTING OR
JULY 20TH - SEPTEMBER 20TH FOR FALL PLANTING
-  SILT FENCE
-  STABILIZED CONSTRUCTION EXIT

NOTES:

1. ALL GRADING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION.
2. ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION, BUT IN NO CASE LONGER THAN 7 DAYS. IF THERE IS A SCHEDULED PAUSE OF WORK THAT WILL LAST 7 DAYS OR LONGER, ALL SOILS AND STOCKPILES ARE REQUIRED TO BE STABILIZED WITHIN THE FIRST 24 HOURS OF INACTIVITY.
3. SALVAGED TOPSOIL SHALL BE STOCKPILED IN PLACE TO MAINTAIN CONTINUITY OF PROPERTY OWNERS EXISTING TURF CONDITIONS. UPON APPROVAL OF ENGINEER, SOIL MAY BE STOCKPILED UPON REVIEW OF ALTERNATE PLAN PROVIDED BY THE CONTRACTOR.
4. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.

SOUTH BOUND TRUNK HIGHWAY 65

NORTH BOUND TRUNK HIGHWAY 65

MATCH LINE



UTILITIES:
 LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 807-4078
 CONNOR'S ENERGY (763) 323-2268
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
David K. Kuehn
 DATE 05/12/26 REG. NO. 4878R

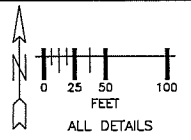
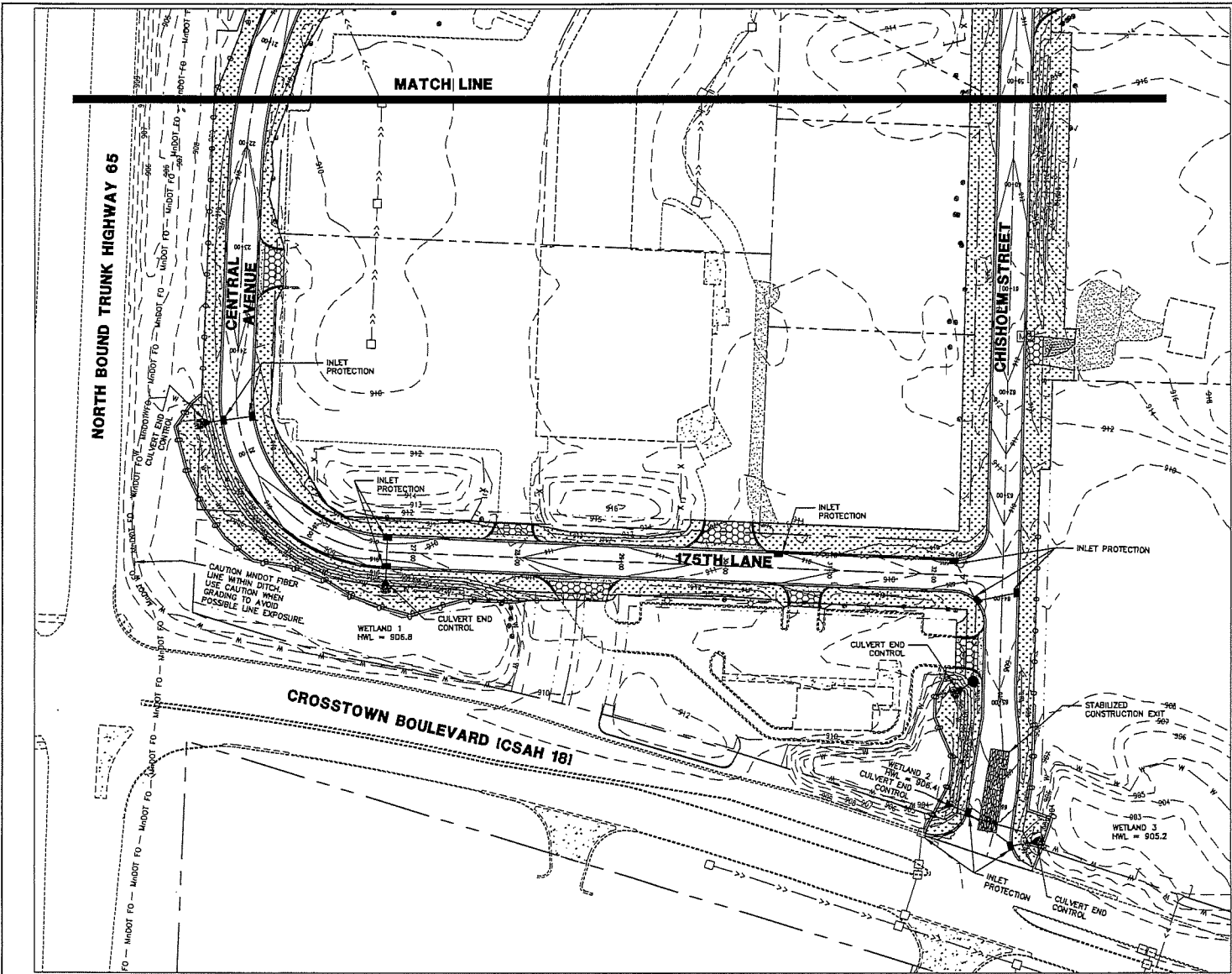
RFC ENGINEERING, INC.
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S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 STORMWATER POLLUTION PREVENTION PLAN



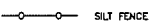

DWG: 2205 SWPPP 1
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 41 OF 61
 FILE: 37-2-141

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



ALL DETAILS

LEGEND

-  RIPRAP, CLASS III WITH FABRIC
-  SEED MX 25-151: COMMERCIAL TURF MULCH TYPE 1
PLANT APRIL 1ST - JUNE 1ST FOR SPRING PLANTING OR JULY 20TH - SEPTEMBER 20TH FOR FALL PLANTING
-  SILT FENCE
-  STABILIZED CONSTRUCTION EXIT

NOTES:

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4. COVER OR SEED ALL STOCKPILE AREAS WITHIN 24 HOURS OF INACTIVITY.

NORTH BOUND TRUNK HIGHWAY 65

CENTRAL AVENUE

CHISHOLM STREET

175TH LANE

CROSTOWN BOULEVARD (CSAH 181)

WETLAND 1
HWL = 906.8

WETLAND 2
HWL = 906.4

WETLAND 3
HWL = 905.2

CAUTION MMDOT FIBER LINE WITHIN DITCH. USE CAUTION WHEN GRADING TO AVOID POSSIBLE LINE EXPOSURE.

CULVERT END CONTROL

CULVERT END CONTROL

CULVERT END CONTROL

INLET PROTECTION

STABILIZED CONSTRUCTION EXIT

INLET PROTECTION

CULVERT END CONTROL

MATCH LINE



UTILITIES: LUMEN (763) 712-5017
CENTERPOINT ENERGY (763) 323-2760
COMCAST (952) 607-4078
CONQUIS ENERGY (763) 323-4268
GREAT RIVERS ENERGY (763) 442-2984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
David Thompson
DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
STORMWATER POLLUTION PREVENTION PLAN

DWG: 2205 SWPPP 2
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 42 OF 61
FILE: 37-2-142

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

CONSTRUCTION ACTIVITY INFORMATION:
 CROSTOWN SHOPPING CENTER, HAM LAKE, ANOKA COUNTY, MINNESOTA 55304

THIS IS A STREET RECONSTRUCTION PROJECT.

THERE ARE 0.43 ACRES OF NEW IMPERVIOUS SURFACE.
 THERE ARE 0.10 ACRES OF NEW PERVIOUS SURFACE.

DRAINAGE IS TO WETLANDS LOCATED WITHIN THE PROJECT AREA. THERE ARE NO SPECIAL WATERS OR IMPAIRED WATERS WITHIN ONE MILE DOWNSTREAM OF THE PROJECT.

CONTACT INFORMATION:
 OWNER: CITY OF HAM LAKE OWNER CONTACT: DENISE WEBSTER, CITY ADMINISTRATOR, DWESTER@HAMLAKEMN.GOV, 763-434-9555, 15544 CENTRAL AVENUE, HAM LAKE, MN, 55304

ALTERNATE OWNER CONTACT: DAVID A. KRUGLER, CITY ENGINEER, DKRUGLER@RFCENGINEERING.COM, 763-862-8000.
 RFC ENGINEERING INC, 13635 JOHNSON STREET NE, HAM LAKE, MN 55304

CONTRACTOR:

ALTERNATE CONTRACTOR CONTACT:

PARTY RESPONSIBLE FOR OPERATION AND MAINTENANCE OF PERMANENT STORMWATER MANAGEMENT SYSTEM: CITY OF HAM LAKE PUBLIC WORKS, JOHN WITKOWSKI, JWITKOWSKI@HAMLAKEMN.GOV 763-235-1662, 15544 CENTRAL AVENUE, HAM LAKE, MN, 55304

GENERAL CONSTRUCTION PROJECT INFORMATION:
 THE PROJECT CONSISTS OF RECONSTRUCTION OF PUBLIC STREETS. WORK INCLUDES GRADING, AGGREGATE BASE, BITUMINOUS PAVING, STORM DRAINS, CONCRETE CURB AND GUTTER, SEEDING, MULCHING AND FERTILIZING. THE SOILS ON THE SITE ARE PRIMARILY HYDROLOGICAL SOIL GROUP TYPE B WITH MODERATE INFILTRATION CAPACITY.

THERE IS MUCK IN THE WETLANDS. THE GROUNDWATER IN THIS AREA IS HIGH.

GENERAL SITE INFORMATION:
 ALL EROSION CONTROL MEASURES MUST BE PLACED PRIOR TO COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND BE MAINTAINED UNTIL ALL DISTURBED AREAS ON THE SITE HAVE BEEN RESTORED.

CONSTRUCTION EXITS SHALL BE SURFACED WITH CRUSHED ROCK AND DESIGNATED PRIOR TO CONSTRUCTION (REFER TO DETAIL).

TRENCHES FOR STORM DRAIN PIPE AND STRUCTURES ARE TO BE BACKFILLED BY THE END OF THE WORK DAY.

STORMWATER MITIGATION MEASURES ARE REQUIRED AS THE RESULT OF AN ENVIRONMENTAL, ARCHAEOLOGICAL OR OTHER REQUIRED LOCAL, STATE, OR FEDERAL REVIEW OF THE PROJECT.

THE PROJECT IS NOT LOCATED IN A KARST AREA.

THE PROJECT DOES NOT DISCHARGE TO A CALCAREOUS FEN LISTED IN MNH. R. 7050.0180, SUBP. 6B.

THE SITE DOES NOT DISCHARGE TO A WATER THAT IS LISTED AS IMPAIRED FOR PHOSPHORUS, TURBIDITY, DISSOLVED OXYGEN OR BICIC IMPAIRMENT.

SELECTION OF A PERMANENT STORMWATER MANAGEMENT SYSTEM:
 NEW IMPERVIOUS SURFACE CREATED BY THIS PROJECT IS 0.43 ACRES.

PER COON CREEK WATERSHED DISTRICT, UPPER RUM RIVER WATERSHED MANAGEMENT ORGANIZATION, ANOKA CONSERVATION DISTRICT, AND MINNESOTA BOARD OF WATER AND SOIL RESOURCES, THERE IS NO INFILTRATION ON SITE DUE TO THE HIGH GROUND WATER TABLE.

HYDROLOGIC REPORT (DRAINAGE CALCULATIONS) AND DRAINAGE MAPS (WITH DRAINAGE DIVIDES) PREPARED FOR THIS PROJECT ARE AVAILABLE IN THE CITY ENGINEER'S OFFICE. STORM WATER RUNOFF FROM THE SITE DRAINS INTO THE DITCHES AND WETLANDS. THE RUNOFF FROM THE SITE WILL BE CONVEYED VIA STORM DRAINS. THE LAST STORM DRAIN STRUCTURE JUST PRIOR TO DISCHARGE WILL BE EQUIPPED WITH A SLUMP (GRIT CHAMBERS). GRIT CHAMBERS ARE BEING USED FOR ADDITIONAL SEDIMENT CONTROL. THE SLUMP (GRIT CHAMBERS) ARE SIZED PER COON CREEK WATERSHED DISTRICT AND UPPER RUM RIVER WATERSHED MANAGEMENT ORGANIZATION REQUIREMENTS. STAND ALONE SLUMPS THAT DO NOT MEET THE REQUIREMENTS WILL BE FITTED WITH SAFI BAFPLES TO PROVIDE ADDITIONAL TREATMENT WITHIN THE SLUMPS.

EROSION PREVENTION PRACTICES:
 THERE ARE NO CONSTRUCTION PHASING, VEGETATIVE BUFFER STRIPS, LONG HORIZONTAL SLOPE GRADING FOR THE PROJECT. THERE ARE UNDISTURBED AREAS WITHIN THE PROJECT LIMITS. ONLY THE STREET RIGHT OF WAY AREAS WILL BE DISTURBED.

ALL DISTURBED AREAS SHALL BE RESTORED WITH SEED AND BLANKET WITHIN SEVEN (7) DAYS OF ROUGH GRADING.

ALL EXPOSED SOIL AREAS MUST HAVE TEMPORARY EROSION PROTECTION OR PERMANENT COVER WITHIN SEVEN (7) DAYS AFTER THE AREA IS NOT ACTIVELY BEING WORKED.

FERTILIZER: MHOT SPECIFICATION 3881, TYPE 3 SEEDING; MHOT SEED MIXTURE 25-131 OR 33-261 (FOR PONDS)
 HYDRO MULCH: MHOT SPECIFICATION 3884, TYPE 5 OR 6 WITH APPLICATION RATE PER MHDOT SPECIFICATION 2275.3H.

PROVIDE EROSION CONTROL FABRIC FOR ALL SLOPES STEEPER THAN 3:1. ALL EROSION CONTROL BLANKET SHALL BE NATURAL NETTED.

THERE ARE NO DRAINAGE DITCHES CONSTRUCTED WITH THIS PROJECT.

SEDIMENT CONTROL PRACTICES:
 THERE ARE NO DRAINAGE DITCHES OR SEDIMENT BASINS FOR THIS PROJECT.

THERE ARE NO SLOPES WITH A GRADE OF 3:1 OR STEEPER WITH A SLOPE LENGTH GREATER THAN 75 FEET.

THERE ARE NO DRAINAGE INFILTRATION BASINS FOR THIS PROJECT.

ALL SEDIMENT CONTROL DEVICES ARE TO BE IN PLACE PRIOR TO UPSTREAM LAND DISTURBING ACTIVITIES.

WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER, PIPE OUTLETS MUST CONTAIN RIPRAP SEED AND PLACE EROSION CONTROL BLANKETS ON DISTURBED AREAS WITHIN 200 LINEAL FEET OF PIPE OUTLETS INCLUDING THE DOWN SLOPE TO THE PIPE OUTLET. SILT FENCING TO BE PLACED AROUND THE DISTURBED AREA AND SILT FENCE ROUTED ACROSS THE TOP OF THE OUTLET.

WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER, SEED AND PLACE EROSION CONTROL BLANKETS ON DISTURBED AREAS WITHIN 200 FEET OF PIPE INLET INCLUDING THE DOWN SLOPE TO THE PIPE INLET. SILT FENCING TO BE PLACED AROUND THE DISTURBED AREA. PLACE A SECOND SILT FENCE ROUTED ACROSS THE TOP OF THE INLET AND PLACE INLET PROTECTION. PIPE INLET PROTECTION SHALL BE PER BMP'S SUCH AS CLEAR ROCK AROUND STEEL PLATE OVER FABRIC OR OTHER APPROVED EQUIVALENT LEVEL. THE CATCH BASIN CASTING IS PLACED. IMMEDIATELY AFTER THE CASTING IS PLACED, PROVIDE CATCH BASIN INLET PROTECTION PER BMP'S SUCH AS FILTER BAG INSERT OR OTHER APPROVED EQUIVALENT. NO CAPTURED SEDIMENT SHOULD BE ALLOWED TO DROP INTO THE CATCH BASIN.

WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER, SEED AND PLACE EROSION CONTROL BLANKETS ON DISTURBED AREAS WITHIN 200 FEET OF CATCH BASIN INLET. PLACE INLET PROTECTION IMMEDIATELY AFTER STRUCTURE IS BACKFILLED. CATCH BASIN INLET PROTECTION SHALL BE PER BMP'S SUCH AS CLEAR ROCK AROUND STEEL PLATE OVER FABRIC OR OTHER APPROVED EQUIVALENT LEVEL. THE CATCH BASIN CASTING IS PLACED. IMMEDIATELY AFTER THE CASTING IS PLACED, PROVIDE CATCH BASIN INLET PROTECTION PER BMP'S SUCH AS FILTER BAG INSERT OR OTHER APPROVED EQUIVALENT. NO CAPTURED SEDIMENT SHOULD BE ALLOWED TO DROP INTO THE CATCH BASIN.

PROVIDE SILT FENCE DOWNSTREAM OF STOCKPILE AREAS. STOCKPILES ARE NOT TO BLOCK DRAINAGE CONVEYANCE SYSTEMS. SEDIMENT TRACKED OFFSITE SHALL BE MINIMIZED AND SWEEPED ON A DAILY BASIS.

TEMPORARY SEDIMENTATION BASINS ARE NOT BEING USED TO REDUCE WETLAND IMPACTS. DUE TO THE HIGH GROUND WATER TABLE AND THE LACK OF RIGHT OF WAY.

DEWATERING AND BASIN DRAINING:
 ALL DEWATERING IS TO DISCHARGE TO SEDIMENT SACKS, ROCK WEEPER, BIO ROLL AREA, ETC. TO PREVENT EROSION AND MINIMIZE SEDIMENT DISCHARGING FROM THE SITE. EXCESSIVE SEDIMENT-LADEN WATER WILL NOT BE PERMITTED TO DISCHARGE FROM THE SITE. DEWATERING PRACTICES ARE NOT TO CAUSE DOWNSTREAM NUISANCE CONDITIONS, EROSION, OR NON-PERMITTED WETLAND INUNDATION CAUSING ADVERSE IMPACTS. DISCHARGE FROM DEWATERING WILL BE TO WETLANDS. LARGE VOLUMES OF DEWATERING WILL REQUIRE DISCHARGE INTO SEDIMENT SACKS PRIOR TO DISCHARGING INTO THE WETLANDS.

ADDITIONAL BMP'S FOR SPECIAL WATERS AND DISCHARGES TO WETLANDS:
 THE PROJECT DOES NOT DISCHARGE INTO OR WITHIN 1 MILE OF SPECIAL WATERS.

THERE ARE NO BUFFER ZONES OR UNDISTURBED AREA ZONES.

THE STORM DRAIN SYSTEM WAS SET UP TO DISTRIBUTE THE STORMWATER RUNOFF INTO THE PROJECT WETLANDS AS CLOSE TO EXISTING CONDITIONS AS POSSIBLE. THIS INCLUDED PROVIDING STORM DRAIN ON BOTH SIDES OF THE STREET IN ORDER TO ACHIEVE THIS. THE DRAINAGE WAS APPROVED BY COON CREEK WATERSHED DISTRICT.

THERE IS NO CONVERSION OF WETLANDS INTO STORMWATER PONDS.

INSPECTION AND MAINTENANCE:
 ALL DATA SHALL BE KEPT WITH THE SWPPP RECORDS.

THE CONTRACTOR MUST INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. INSPECTIONS AND MAINTENANCE TO BE RECORDED IN WRITING. THE SWPPP INSPECTION FOR THE CONSTRUCTION IS TO BE CONDUCTED BY _____ OF _____

INSPECTIONS FORMS ARE AVAILABLE AT: <https://forms.gle/2a2m4t4e>
 SELECT THE APPROPRIATE INSPECTION FORM FROM THE LIST.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT DEVICES, AS WELL AS ALL EROSION AND SEDIMENT CONTROL, FOR THE DURATION OF THE PROJECT.

THE CONTRACTOR WILL INVESTIGATE AND MUST COMPLY WITH THE FOLLOWING:

CONTRACTOR MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. CONTRACTOR MUST REPAIR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMP'S WITH FUNCTIONAL BMP'S BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS. CONTRACTOR MUST USE ALL REASONABLE EFFORTS TO OBTAIN ACCESS. IF PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF OBTAINING ACCESS. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS.

DURING EACH INSPECTION, CONTRACTOR MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS. FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION, CONTRACTOR MUST REMOVE ALL DEBRIS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SEDIMENT REMAINS IN EXPOSED SOIL.

CONTRACTOR MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS. CONTRACTOR MUST USE ALL REASONABLE EFFORTS TO OBTAIN ACCESS. IF PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF OBTAINING ACCESS. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS.

CONTRACTOR 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. CONTRACTOR 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.

REPAIR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE DEVICE.

CONTRACTOR MUST DRAIN TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN EXCEEDS TWO FEET OR 1/2 THE STORAGE VOLUME, WHICHEVER IS LESS, WITHIN 72-HOURS OF DISCOVERY.

POLLUTION PREVENTION MANAGEMENT MEASURES:

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING POLLUTION PREVENTION MANAGEMENT MEASURES ON THE SITE:

SOLID WASTE: COLLECT SEDIMENT, ASPHALT AND CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, FABRIC, CONSTRUCTION AND DEMOLITION DEBRIS, AND OTHER WASTES MUST BE DISPOSED OF PROPERLY OFFSITE AND MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS.

HAZARDOUS MATERIALS: OIL, GASOLINE, PAINT AND ANY HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, INCLUDING SECONDARY CONTAINMENT, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT VANDALISM. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

EXTERNAL WASHING OF TRUCKS, INCLUDING CONCRETE DELIVERY TRUCKS, AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE PROPERLY DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON SITE. CONCRETE WASHOUT ON SITE MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER.

THE CITY IS RESPONSIBLE FOR LONG TERM MAINTENANCE OF THE STORM DRAINS INCLUDING THE SLUMPS (GRIT CHAMBERS) AND SAFI BAFPLES. THE GRIT CHAMBERS AND SAFI BAFPLES ARE TO BE INSPECTED YEARLY AND CLEANED OUT AS NECESSARY TO MAINTAIN FUNCTION.

THE CONTRACTOR IS RESPONSIBLE FOR MONITORING AIR POLLUTION AND ENSURING IT DOES NOT EXCEED LEVELS SET BY LOCAL, STATE, OR FEDERAL REGULATIONS. THIS INCLUDES DUST CREATED BY WORK BEING PERFORMED ON THE SITE. AIR POLLUTION AND DUST CONTROL CORRECTION ARE CONSIDERED INCIDENTAL TO THE UNIT BID PRICES FOR WHICH WORK IS BEING PERFORMED. ADDITIONAL DUST CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

NO SANITARY AND SEPTIC WASTE IS ON THE SITE.

FINAL STABILIZATION:
 THE CONTRACTOR MUST ENSURE FINAL STABILIZATION OF THE SITE. FINAL STABILIZATION IS ACHIEVED WHEN ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND ALL SOILS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF THE PERVIOUS SURFACE AREA, OR OTHER EQUIVALENT MEANS NECESSARY TO PREVENT SOIL FAILURE UNDER EROSION CONDITIONS.

ALL TEMPORARY EROSION PROTECTION, INCLUDING SILT FENCE, ARE TO BE REMOVED AFTER FINAL STABILIZATION OF THE SITE.

RECORDS RETENTION:
 ALL REQUIREMENTS OF THE NPDES PERMIT AND THIS SWPPP SHALL REMAIN IN EFFECT UNTIL ALL LAND DISTURBING ACTIVITY HAS BEEN COMPLETED, ALL FINAL RESTORATION HAS BEEN COMPLETED AND THE NOTICE OF TERMINATION FORM HAS BEEN SUBMITTED TO THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA).

REFER TO OTHER SHEETS OF THIS PLAN SET FOR DETAILED CONSTRUCTION INFORMATION. EXISTING AND PROPOSED GRADES FOR THE ROADWAY ARE SHOWN ON THE PLAN AND PROFILE SHEETS AND ON THE CROSS SECTION SHEETS.

THE CONTRACTOR SHALL MAINTAIN A COPY OF THE PLANS ON SITE AT ALL TIMES UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY. THE CONTRACTOR SHALL UPDATE THE SWPPP AS NECESSARY TO REFLECT CURRENT CONDITIONS ON THE SITE. CONTRACTOR IS TO PROVIDE THE ENGINEER A COPY OF THE REVISED SWPPP. THE REVISED SWPPP IS TO BE MAINTAINED WITH THE CONSTRUCTION SET OF PLANS.

THE CONSTRUCTION PLANS, INCLUDING THE SWPPP, AND THE SWPPP INSPECTION REPORTS ARE TO BE AVAILABLE TO THE ENGINEER AND TO THE MPCA AND COON CREEK WATERSHED DISTRICT AND UPPER RUM RIVER WATERSHED MANAGEMENT ORGANIZATION INSPECTORS AT ALL TIMES.

THE CONTRACTOR IS TO PROVIDE THE ENGINEER A COPY OF THE SWPPP INSPECTION REPORTS WITHIN SEVEN (7) DAYS AFTER THE INSPECTION.

THE CONTRACTOR IS TO PROVIDE THE ENGINEER A COPY OF THE REVISED SWPPP WITHIN SEVEN (7) DAYS AFTER THE CONTRACTOR REVISES THE SWPPP.

ALL SWPPP INSPECTIONS AND ALL BMP'S SHALL BE PLACED UNDER THE SUPERVISION OF A CONSTRUCTION INSTALLER CERTIFIED BY THE MPCA. THE CONSTRUCTION SITE SHALL BE MANAGED AND MAINTAINED BY MPCA CERTIFIED CONSTRUCTION SITE MANAGEMENT.

THE CONTRACTOR SHALL PROVIDE THE CITY WITH A COPY OF CONSTRUCTION INSTALLER CERTIFICATION AND CONSTRUCTION SITE MANAGEMENT CERTIFICATION. A COPY OF THE CERTIFICATIONS, INCLUDING SWPPP DESIGNER, SHALL BE KEPT WITH THE SWPPP.

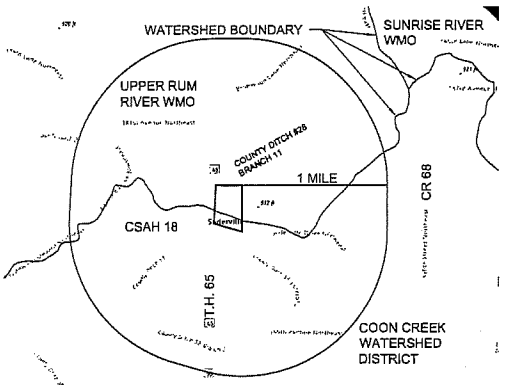
THE SWPPP, THE SWPPP INSPECTIONS REPORTS AND MAINTENANCE RECORDS SHALL BE KEPT FOR 3 YEARS.

DRAINAGE CALCULATIONS AND DRAINAGE MAPS WILL BE KEPT BY THE CITY FOR AT LEAST 3 YEARS.

SEQUENCE OF EROSION CONTROL

- OBTAIN ALL NECESSARY PERMITS, INCLUDING NPDES GENERAL STORMWATER PERMIT.
- CLEAR AND GRUB SITE.
- PLACE ALL PERIMETER SEDIMENT CONTROL DEVICES AND ROCK CONSTRUCTION EXITS.
- CONTACT CITY ENGINEER FOR APPROVAL OF SEDIMENT CONTROL DEVICES.
- ROUGH IN GRADE.
- PLACE TEMPORARY EROSION CONTROL DEVICES AS NECESSARY.
- PLACE STORM DRAIN SYSTEM.
- RE-ADJUST TEMPORARY EROSION CONTROL DEVICES AS NECESSARY. PLACE STORM DRAIN INLET PROTECTION AND OUTLET PROTECTION DEVICES AS NECESSARY.
- PLACE SITE PAVEMENT.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, OBTAIN APPROVAL OF THE CITY ENGINEER.
- CONTRACTOR TO REMOVE ALL TEMPORARY EROSION CONTROL DEVICES AFTER ACCEPTANCE BY THE CITY.

TABULATION SUMMARY			
ITEM	UNIT	TOTAL	
SILT FENCE	LF.	4,387	
CATCH BASIN INLET PROTECTION	CATCH	23	
CLASS II RIPRAP W/ FABRIC	CY.	97.1	
GEOTEXTILE FILTER FABRIC	S.Y.	200.5	
CULVERT END CONTROL	EACH	8	
HYDROMULCH TYPE 3	ACRE	3.73	
TURF ESTABLISHMENT; SEED MIX 25-131	ACRE	3.73	



UTILITIES:	NUMBER	DATE	REVISION HISTORY
LUMEN	763) 712-9017		
CENTROPOINT ENERGY	763) 323-2780		
CONCAST	(952) 607-4078		
CONDUSS ENERGY	(763) 323-0288		
GREAT RIVERS ENERGY	763) 445-5984		

I HEREBY CERTIFY THAT THIS PLAN 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.

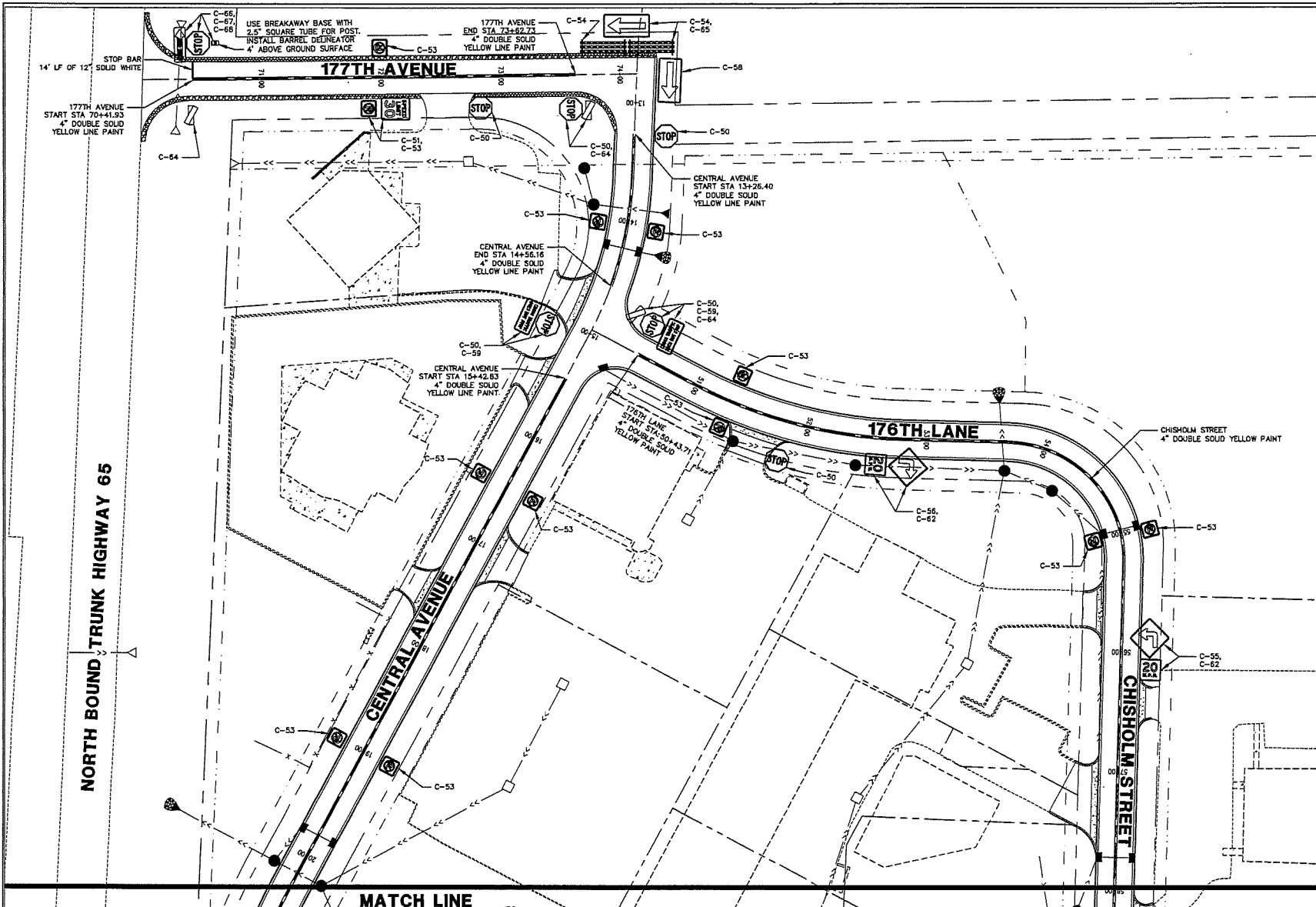
David Krugler
 DATE 05/12/26 REC. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 STORMWATER POLLUTION PREVENTION PLAN

DWG: 2205 SWPPP 3
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 43 OF 61
 FILE: 37-2-143



NOTES:
 1. ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MN MUTCD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

NORTH BOUND TRUNK HIGHWAY 65

MATCH LINE

UTILITIES:
 LINEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONDUITS ENERGY (763) 323-2686
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
David Krueger
 DATE 05/12/26 REG. NO. 48758

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 Consulting Engineers

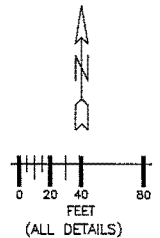
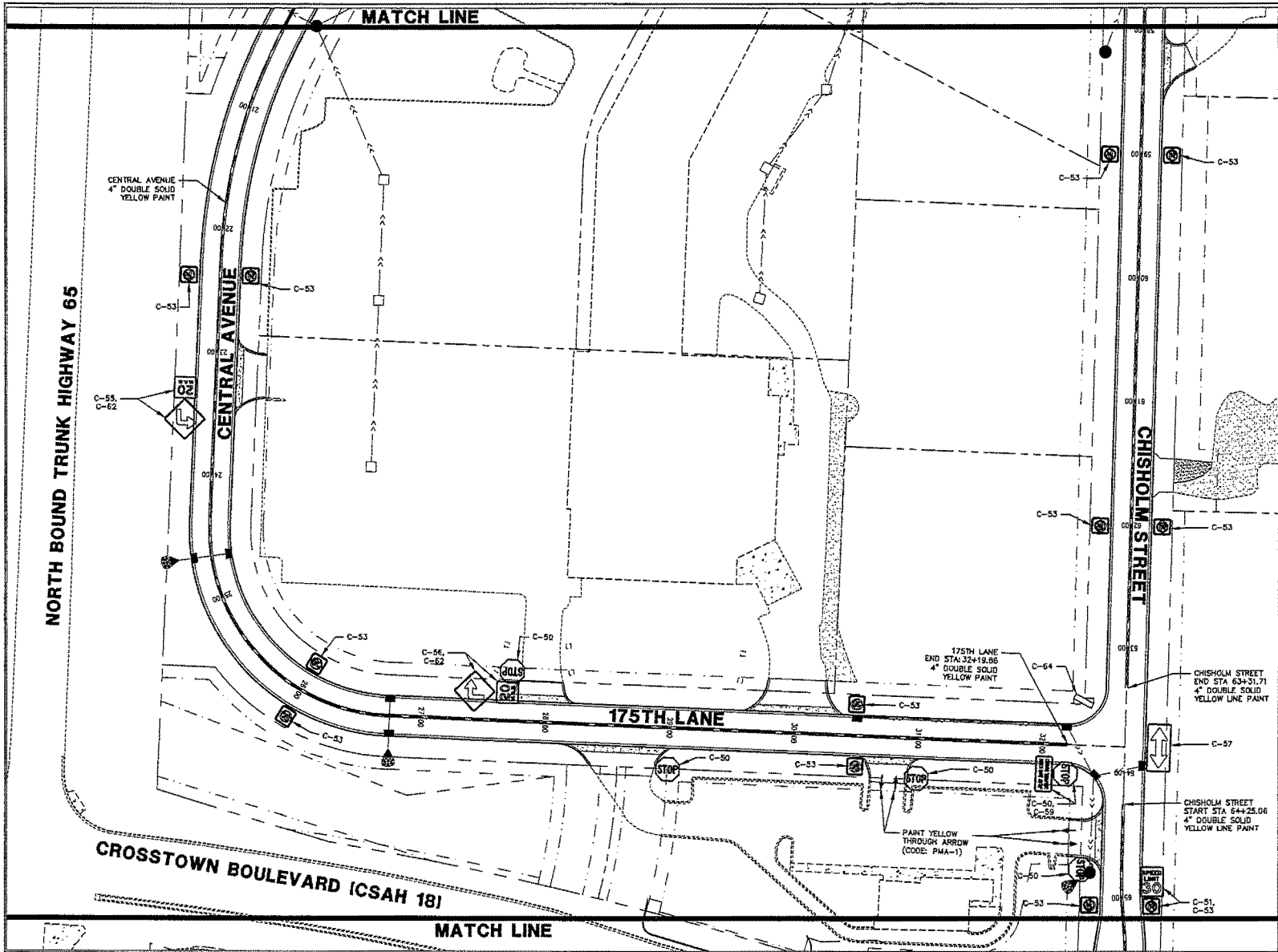
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 SIGNING AND STRIPING PLAN

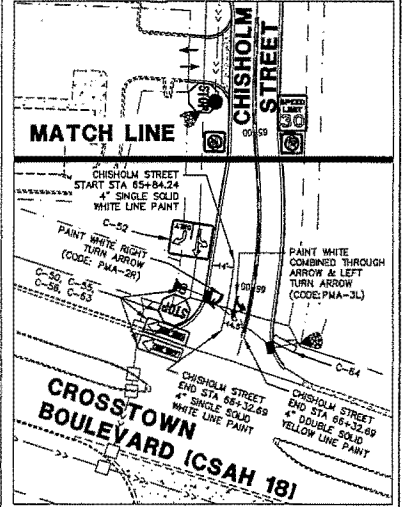
DWG: 2205 SIGN1
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 44 OF 61
 FILE: 37-2-144



DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



NOTES:
1. ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MNTD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.



UTILITIES:
LUMEN (763) 712-5017
CENTERPOINT ENERGY (763) 323-2760
COMCAST (652) 807-4078
CONHOLUS ENERGY (763) 323-2268
GREAT RIVERS ENERGY (763) 445-5284

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
David K. Ruppel
DATE 05/12/26 REG. NO. 48768

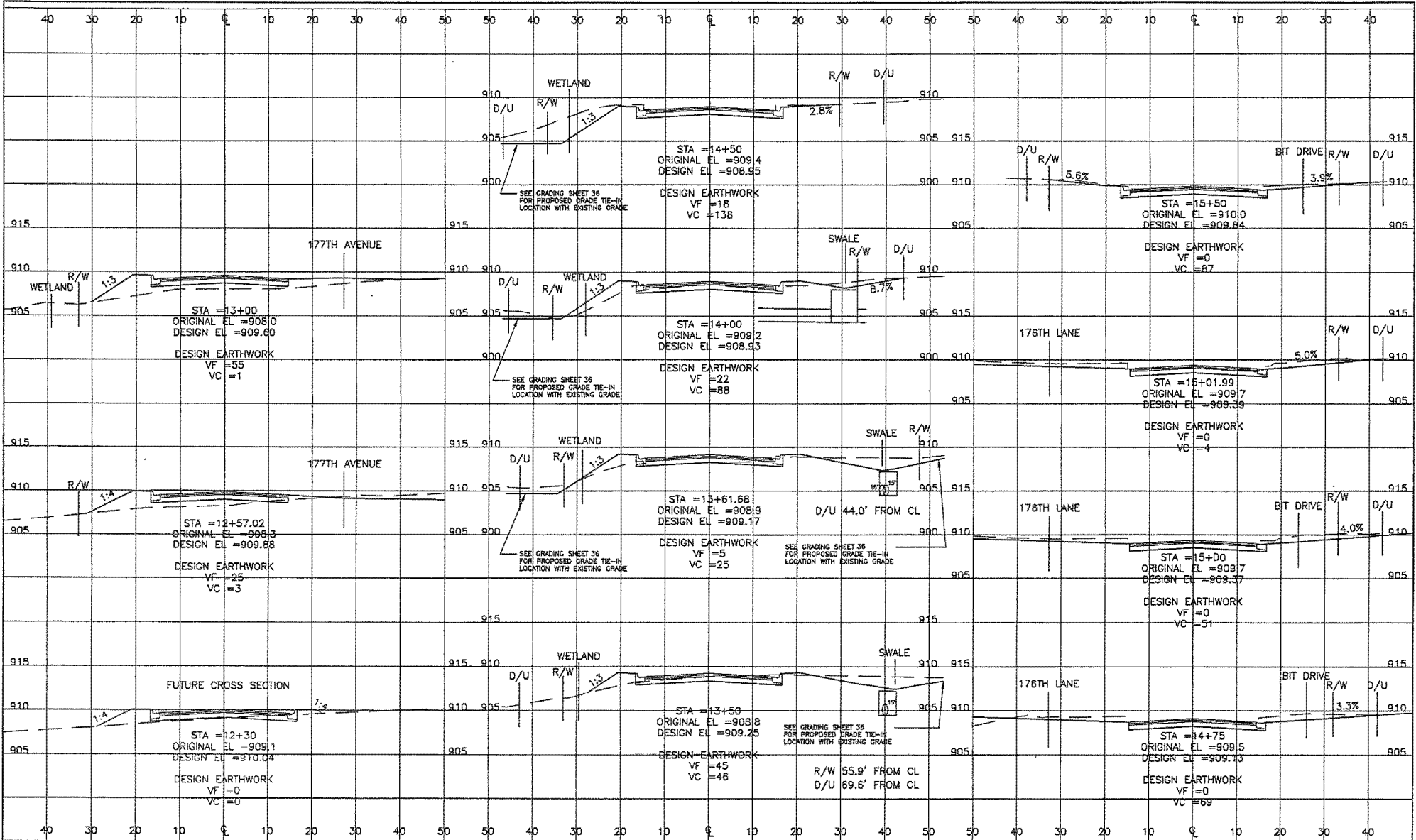
RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Horn Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
SIGNING AND STRIPING PLAN

DWG: 2205 SIGN
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 45 OF 61
FILE: 37-2-145

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



UTILITIES: LUMEN (763) 713-8017
 CENTERPOINT ENERGY (763) 323-2766
 COMCAST (952) 607-4078
 CONDENSED ENERGY (763) 323-4588
 GREAT RIVERS ENERGY (763) 445-5894

DATE: 05/12/26 REG. NO. 48768

DATE	REVISION HISTORY

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

David R. Kump

DATE: 05/12/26 REG. NO. 48768

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 Consulting Engineers

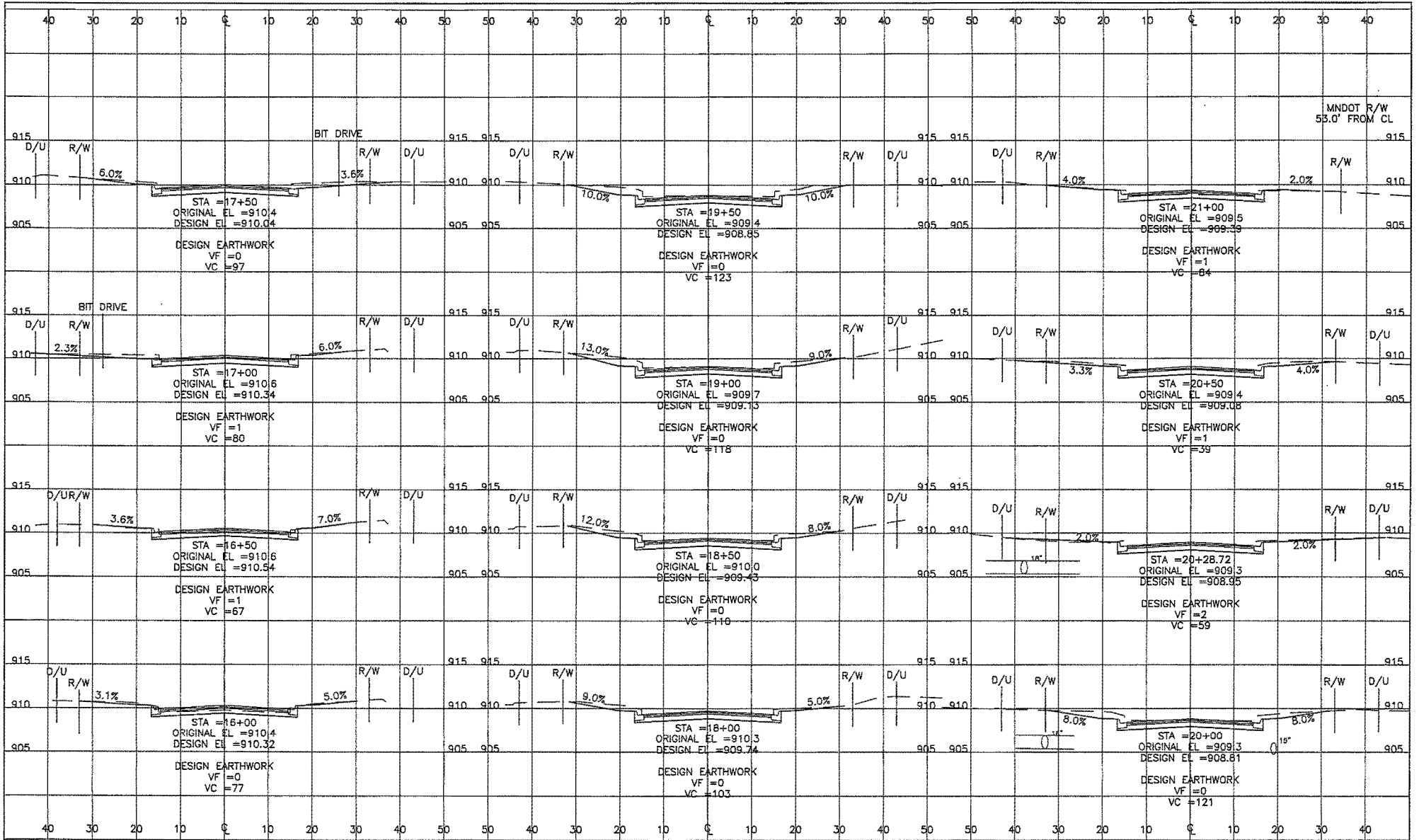
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-136-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

CENTRAL AVENUE/175TH LANE
 CROSS SECTIONS

DESIGN BY: LDZ
 DRAWN BY: LDZ
 CHECKED BY: DAK

DWG: RC001001
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 46 OF 61
 FILE: 37-2-146



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (652) 867-4078
 CONSOLIDATED ENERGY (763) 323-2288
 GREAT RIVERS ENERGY (763) 445-5884

BOPIK & STAYZ ONE CALL
 800-252-1166 651-654-9922
 PLOT DATE: 05/28/26 10:18

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David Thompson
 DATE: 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

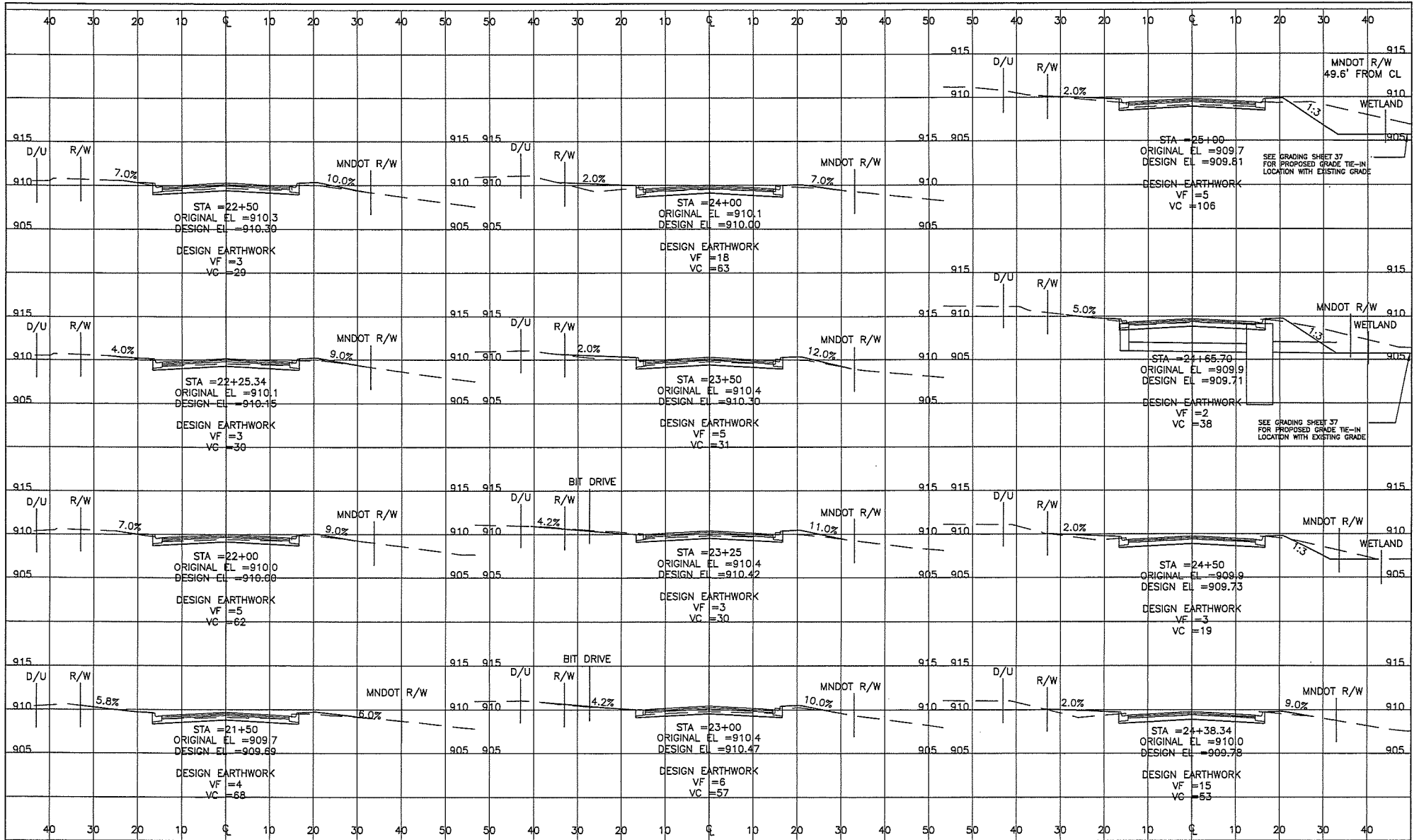
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

CROSS SECTIONS
 CENTRAL AVENUE/175TH LANE

DESIGN BY: LOZ DRAWN BY: LOZ CHECKED BY: DAK

DWG: RC002001
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 47 OF 61
 FILE: 37-2-147



DATE	REVISION HISTORY

UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 CONCAST (952) 807-4078
 CONNORUS ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 445-5864

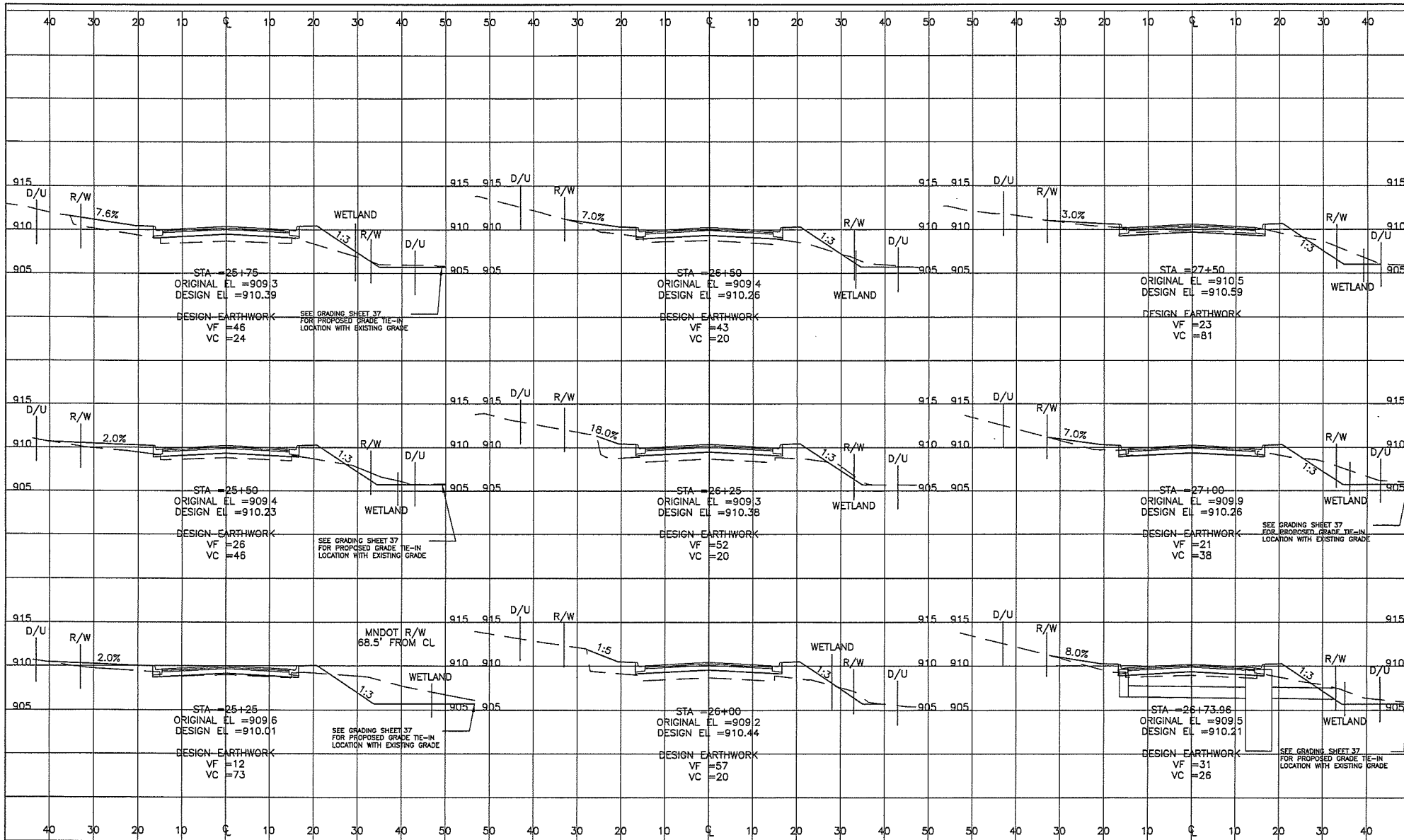
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Nash Krueger
 DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 CENTRAL AVENUE/175TH LANE
 CROSS SECTIONS

DWG: RC03001
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 48 OF 61
 FILE: 37-2-148



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4078
 CONSOLIDATED ENERGY (763) 323-4268
 GREAT RIVERS ENERGY (763) 445-5964

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
David Krueger
 DATE 05/12/26 REG. NO. 48768

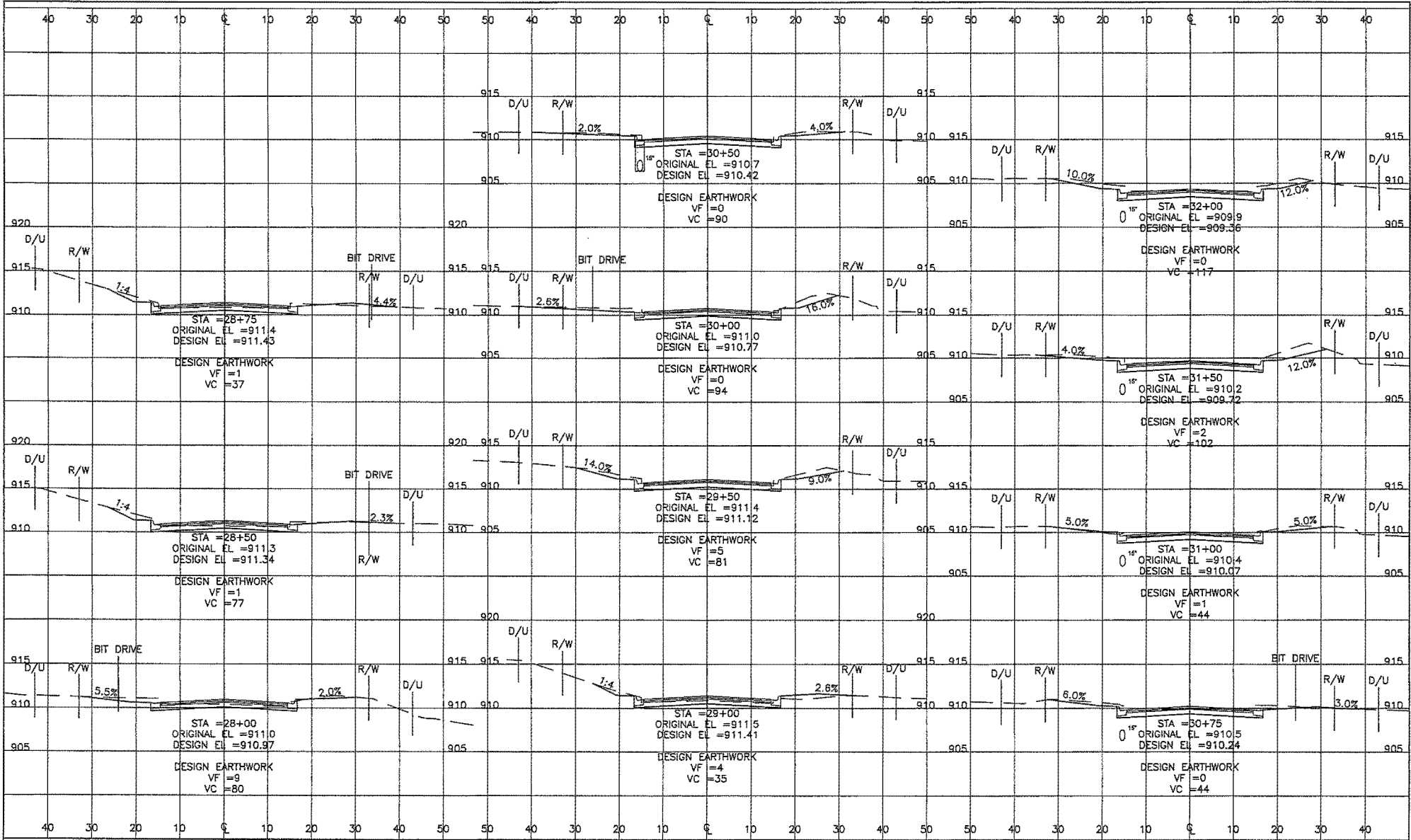
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 CENTRAL AVENUE/175TH LANE
 CROSS SECTIONS

DWG: RCG04001
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 49 OF 61
 FILE: 37-2-149

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



UTILITIES: LUMEN (763) 712-3017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (652) 807-4078
 CONSOLIDATED ENERGY (763) 323-6288
 GREAT RIVERS ENERGY (763) 445-5984

BOBBEN STAYK
ONE CALL

800-252-1164 651-454-0822
 PLOT DATE: 05/02/26 10:18

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David R. Kuehler

DATE 05/12/26 REG. NO. 48788

RFC ENGINEERING, INC.
 Consulting Engineers

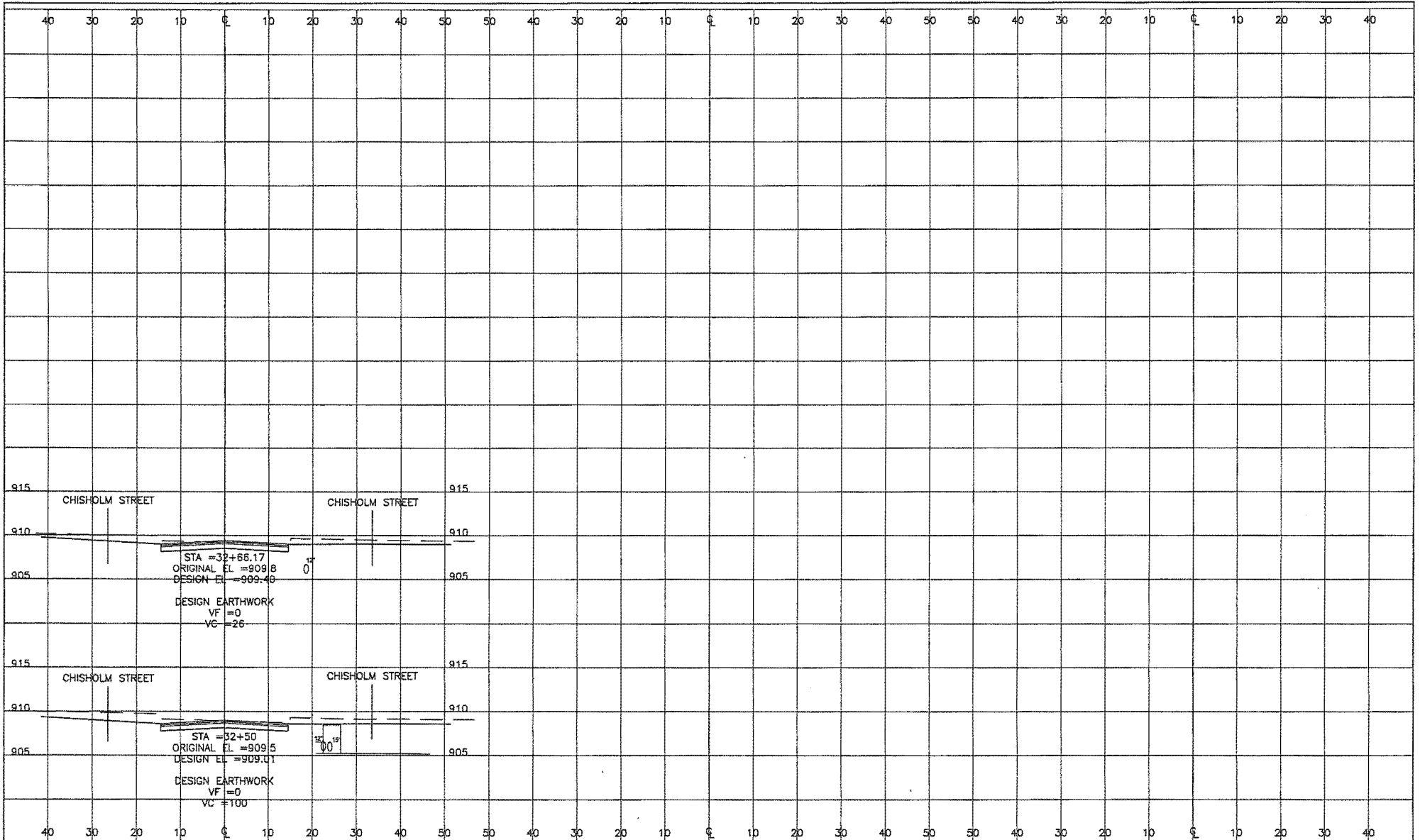
13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

CENTRAL AVENUE/176TH LANE
 CROSS SECTIONS

DWG: R0005001
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 50 OF 61
 FILE: 37-2-150

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



UTILITIES: LWADEN (763) 712-2017
CENTERTOWN ENERGY (763) 333-2760
CONCAST (852) 607-4078
CONHOURS ENERGY (763) 323-4266
GREAT RIVERS ENERGY (763) 445-6984

DATE REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

Neel K. Chatterjee
DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

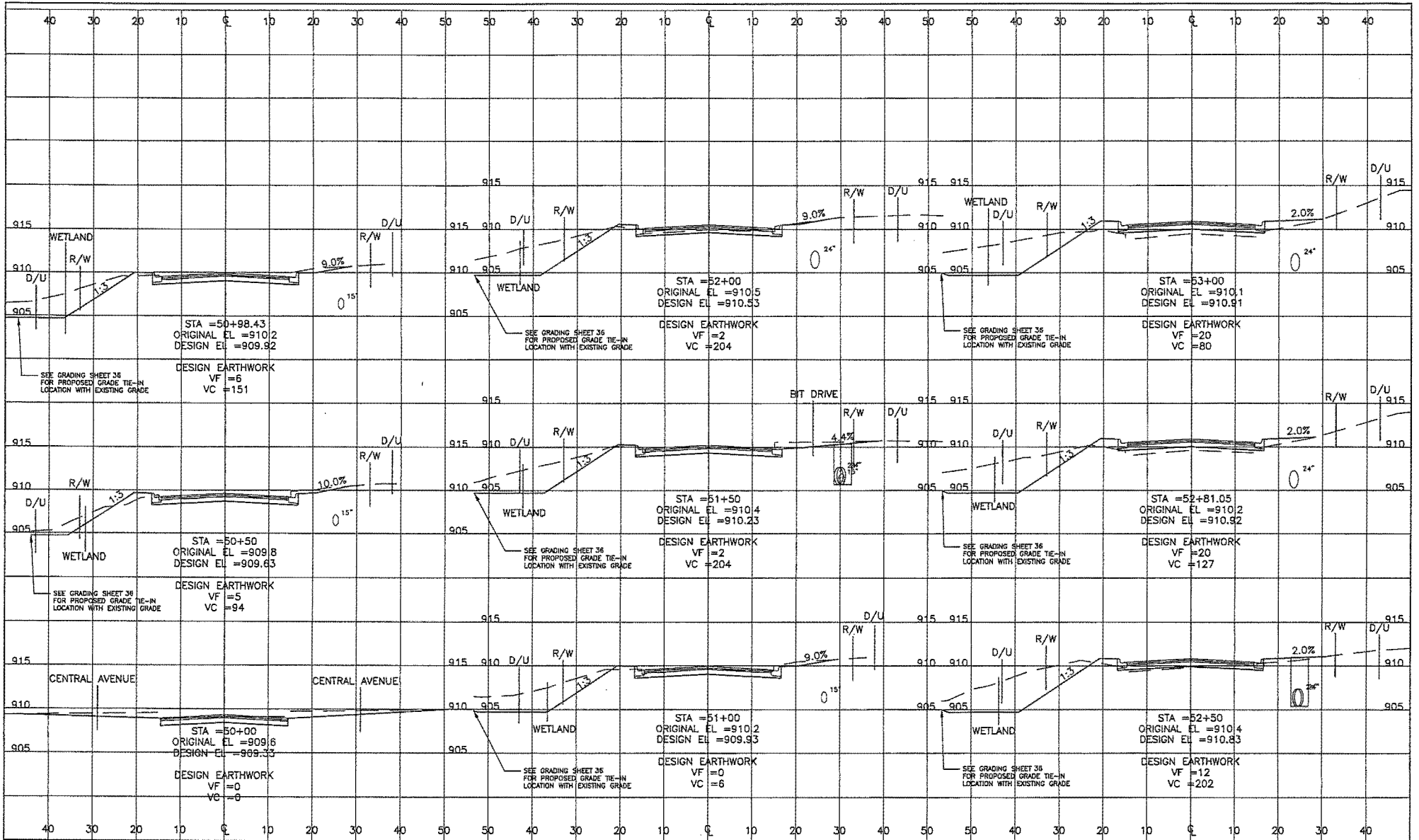
S.A.P. 197-119-004 / 197-133-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

CENTRAL AVENUE/175TH LANE
CROSS SECTIONS

DWG: RCD05001
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 51 OF 61
FILE: 37-2-151

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

PLOT DATE: 5/13/2026 10:19



UTILITIES: LUMEN (763) 212-5317
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (952) 607-4378
 CONHOUS ENERGY (763) 325-4268
 GREAT RIVERS ENERGY (763) 445-5884

BOPER STATE CALL
 800-252-1166 651-454-0002
 PLOT DATE: 05/12/25 10:18

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.

David Thurgood
 DATE 05/12/25 REG. NO. 48788

RFC ENGINEERING, INC.
 Consulting Engineers

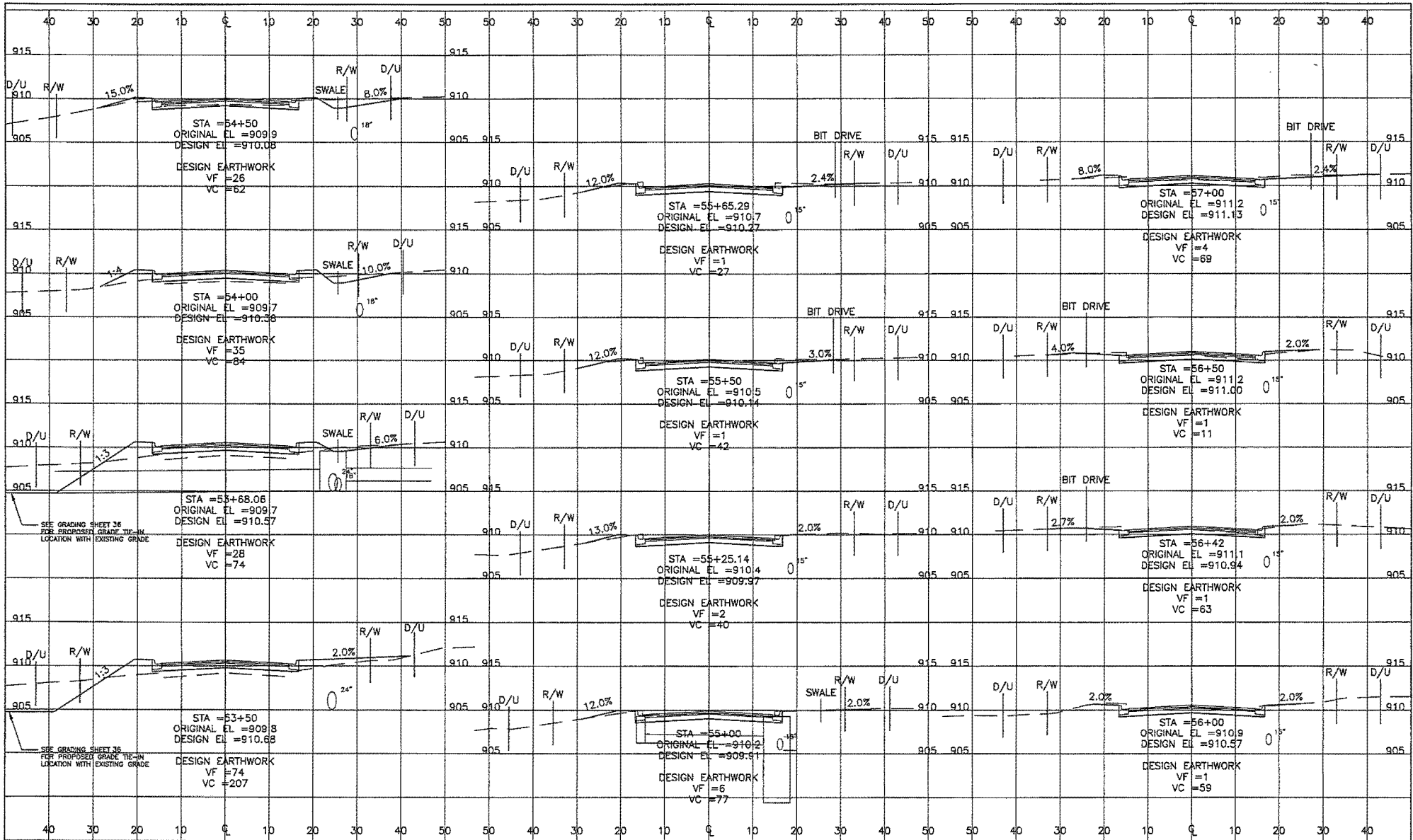
13835 Johnson Street
 Ham Lake, MI 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

176TH LANE/CHISHOLM STREET
 CROSS SECTIONS

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: RCD01002
 DATE: 05/12/25
 JOB NUMBER: 2205
 SHEET: 52 OF 61
 FILE: 37-2-152



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COMCAST (852) 607-4078
 CONSOLIDUS ENERGY (763) 323-0568
 GREAT RIVERS ENERGY (763) 445-5984

DATE: 05/12/26

DATE	REVISION HISTORY

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

David K. Kasper
 DATE 05/12/26 REG. NO. 48788

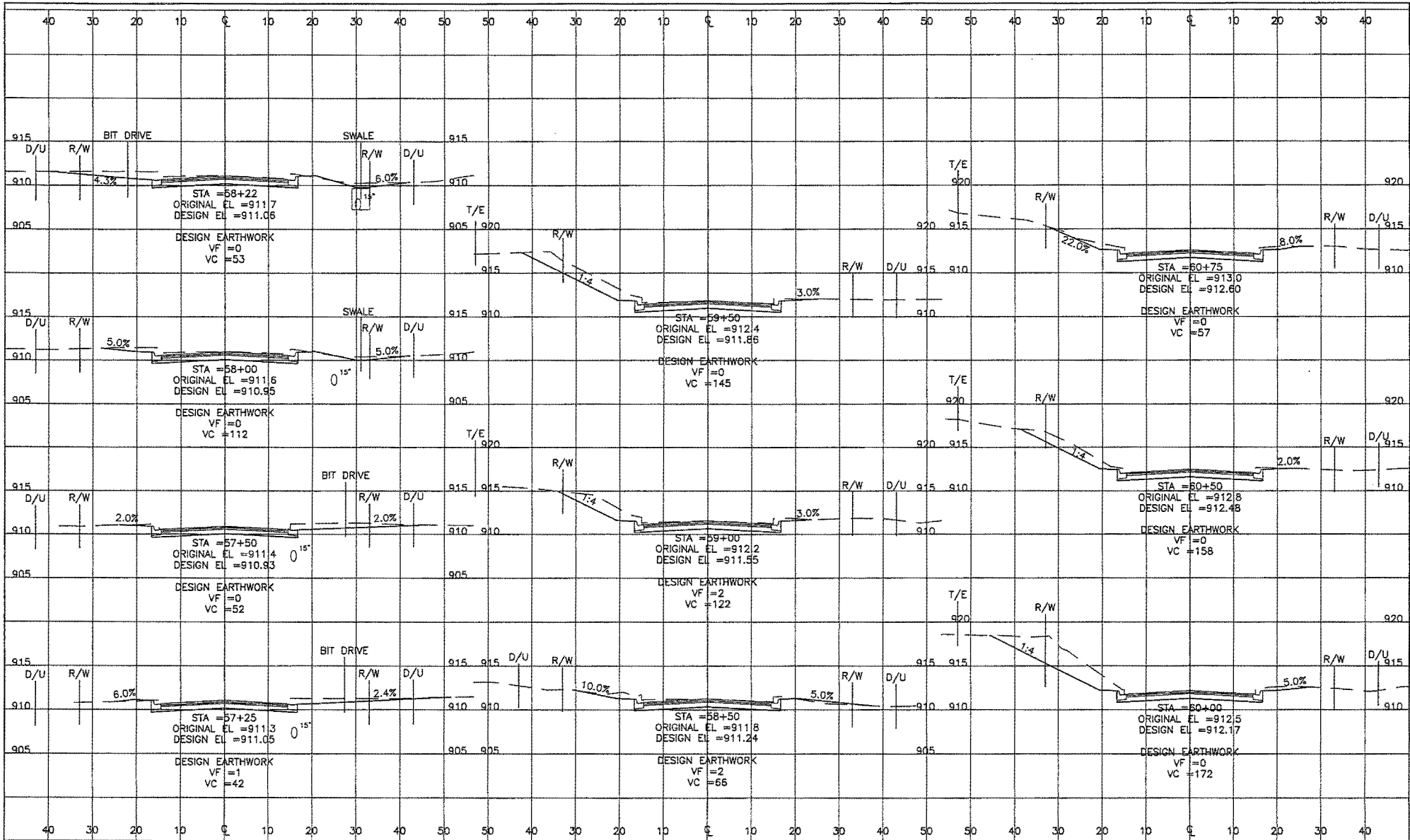
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 167-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

176TH LANE/CHESEBOLM STREET
 CROSS SECTIONS

DWG: R002002
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 53 OF 61
 FILE: 37-2-153



COPPER STATE ONE CALL
 800-357-1166 651-554-0082

UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2760
 COUNTESS ENERGY (652) 607-4078
 GREAT RIVERS ENERGY (763) 323-4268
 GREAT RIVERS ENERGY (763) 446-5884

DATE	REVISION HISTORY

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

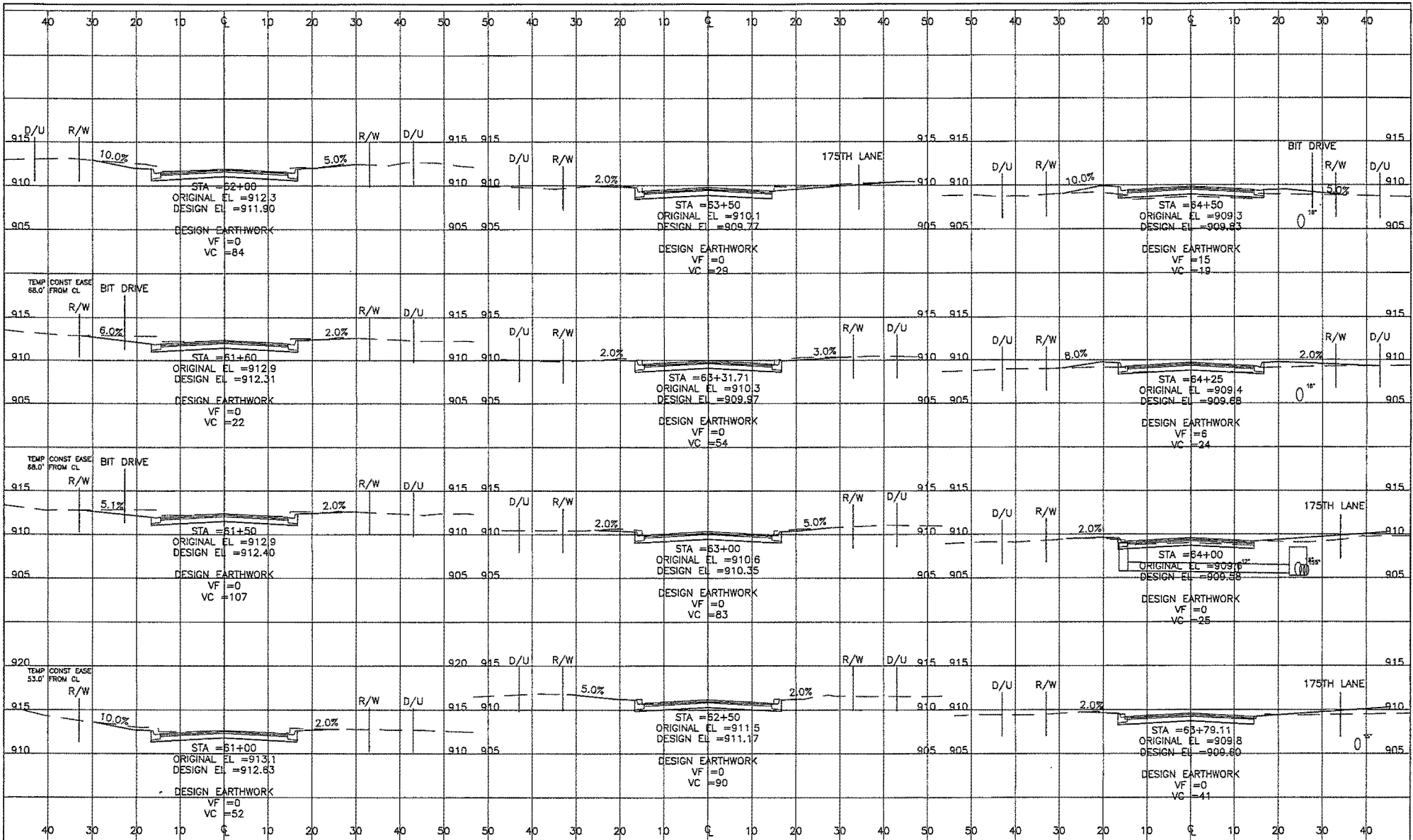
David Hergula
 DATE: 05/12/22 REG. NO. 48268

RFC ENGINEERING, INC.
 Consulting Engineers

13835 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-118-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 176TH LANE/CHISHOLM STREET
 CROSS SECTIONS
 CHECKED BY: DAK

DWG: RC030922
 DATE: 05/12/22
 JOB NUMBER: 2205
 SHEET: 54 OF 61
 FILE: 37-2-154



UTILITIES:

LUMEN	(763) 712-5917
CENTERPOINT ENERGY	(763) 323-2760
COMCAST	(952) 657-4578
CONDENSER ENERGY	(763) 323-4288
GREAT RIVERS ENERGY	(763) 448-5984

800-252-1166 631-454-0822
PLOT DATE: 05/12/26 10:19

DATE	REVISION HISTORY

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

Donna Kuegler
DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
Consulting Engineers

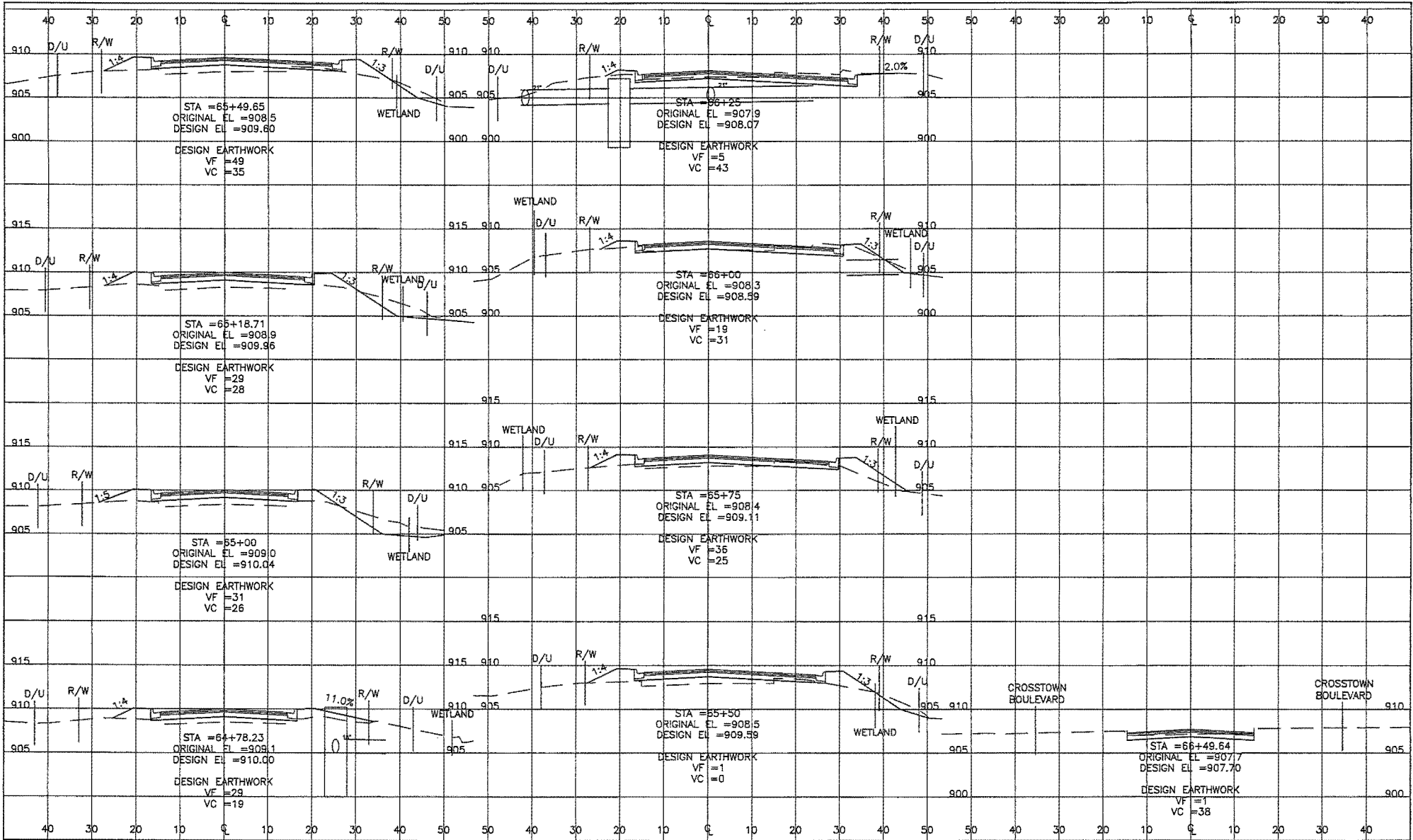
13635 Johnson Street
Ham Lake, MN 55304
Telephone 763-862-8000
Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
HAM LAKE IMPROVEMENT PROJECT 2205
CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

176TH LANE/CHISHOLM STREET
CROSS SECTIONS

DWG: R0004022
DATE: 05/12/26
JOB NUMBER: 2205
SHEET: 55 OF 61
FILE: 37-2-155

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONDENSUS ENERGY (763) 323-6068
 GREAT RIVERS ENERGY (763) 443-5984

DATE: _____ REVISION HISTORY: _____

DATE: 05/12/26 REG. NO. 48788

I HEREBY CERTIFY THAT THIS PLAN 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.

David R. Kump

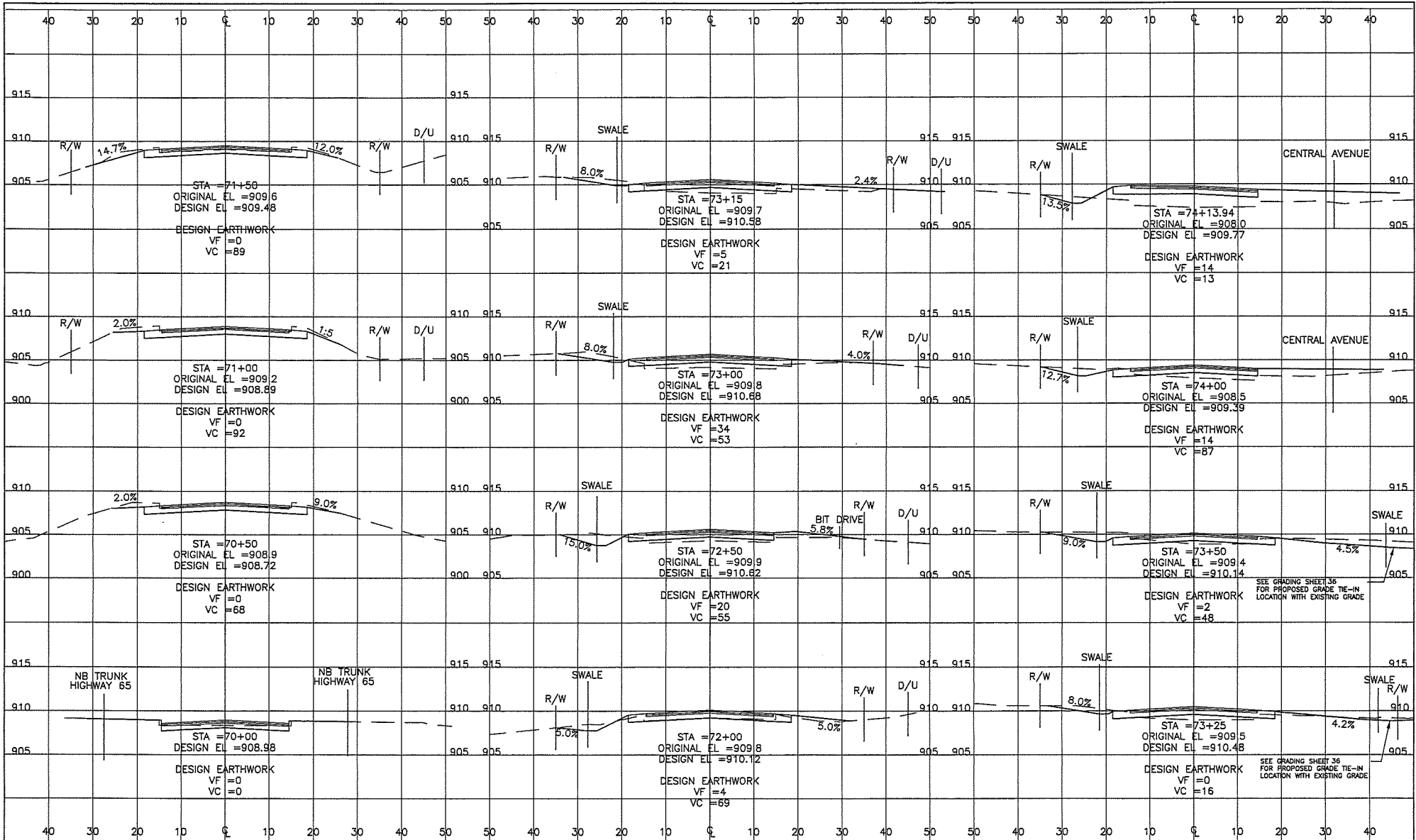
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION

176TH LANE/CHISHOLM STREET
 CROSS SECTIONS

DWG: R005902
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 56 OF 61
 FILE: 37-2-156



GOVERNOR STATE ONE CALL
 800-252-1166 651-454-0002
 PLOT DATE: 05/12/26

UTILITIES:

LUMEN	(763) 712-5917
CENTERPOINT ENERGY	(763) 323-2760
COMCAST	(952) 607-4078
CONDUCUS ENERGY	(763) 323-4288
GREAT RIVERS ENERGY	(763) 445-5884

DATE	REVISION HISTORY

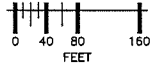
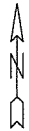
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
David K. Kasper
 DATE 05/12/26 REG. NO. 48758

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 177TH AVENUE
 CROSS SECTIONS
 DRAWN BY: LOZ
 CHECKED BY: DAK

DWG:	RC001004
DATE:	05/12/26
JOB NUMBER:	2205
SHEET:	57 OF 61
FILE:	37-2-157



NOTES:

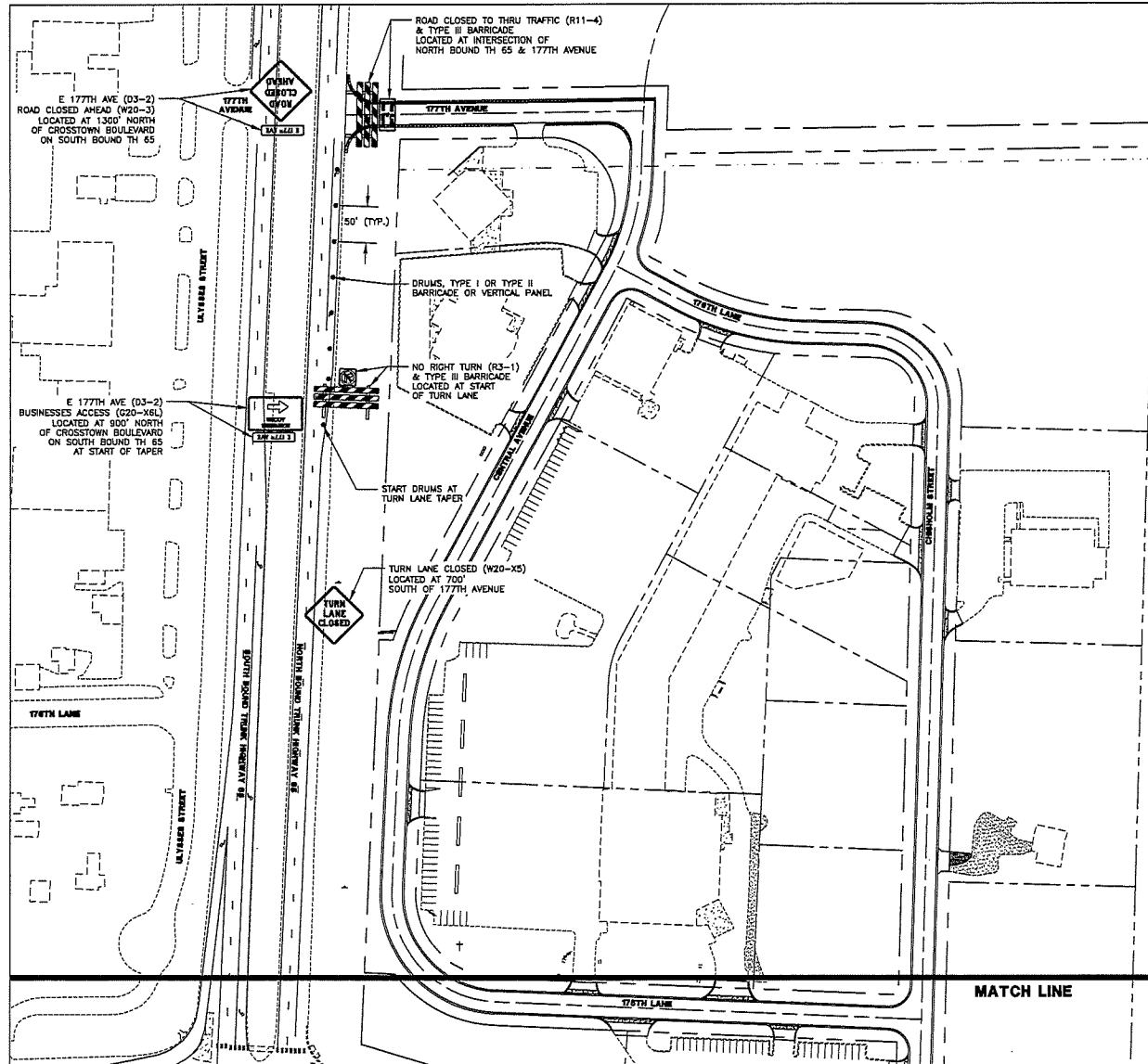
1. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES ARE INCIDENTAL.
2. FIELD CONDITIONS MAY REQUIRE MODIFICATIONS OF THIS LAYOUT AS NEEDED BY THE ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH THE LATEST MMDOTD AND LANE CLOSURE MANUAL.
4. SIGN INSTALLATION SHALL NOT OBSTRUCT EXISTING SIGNS.
5. QUANTITIES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND ARE SHOWN FOR INFORMATIONAL ONLY. THE ITEM "TRAFFIC CONTROL" COVERS ALL DEVICES SHOWN ON THE PLAN SHEETS AND OTHER SETUPS REQUIRED BY THE CONTRACTOR'S OPERATIONS.
6. THROUGH LANE CLOSURES ARE NOT ALLOWED ON TRUNK HIGHWAY 85.

SIGNING:

1. ALL TRAFFIC CONTROL DEVICES, INCLUDING OVERHEAD SIGNS ON ROADS OPEN TO TRAFFIC THAT ARE NOT CONSISTENT WITH TRAFFIC OPERATION SHALL BE COVERED, REMOVED OR REVERSED AS DIRECTED BY THE ENGINEER.
2. SIGNS ARE TO BE MOUNTED ON PORTABLE SUPPORTS AS APPROVED BY THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXTRA SIGNING NEEDED TO FACILITATE TRAFFIC SWITCHES OR FOR TRANSITIONING TRAFFIC FROM ONE STAGE TO ANOTHER.
4. ALL ORANGE WARNING AND ORANGE GUIDE SIGNS SHALL BE FABRICATED WITH SIGN SHEETING MATERIAL AS LISTED ON THE MMDOTD APPROVED PRODUCT LIST FOR "SHEETING FOR RIGID TEMPORARY WORK ZONE SIGNS". BARRICADES SHALL BE FABRICATED WITH SIGN SHEETING MATERIAL AS LISTED ON THE MMDOTD APPROVED PRODUCT LIST FOR BARRICADE SHEETING. NOTE THAT ASTM TYPE VII SHEETING IS NOT ALLOWED.
5. ALL SIGNS SHALL CONFORM TO THE LATEST MMDOTD FOR SIZING, FONTS, AND FONT SIZING.
6. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FINAL SIGNS TO ASSURE THAT THE FINAL SIGNS ARE PLACED AS NEEDED, OR PROVIDE TEMPORARY SIGNING AT THEIR EXPENSE UNTIL THE FINAL SIGNING IS PLACED.

BARRIER & DELINEATION

1. TOP MOUNTED BARRIER DELINEATORS WILL HAVE A MINIMUM OF 24 SQ. IN. OF REFLECTIVE SURFACE AREA AND BE PLACED AT 30 FOOT SPACES ON TOP OF THE BARRIER WHEN THE BARRIER IS WITHIN 10 FEET OF TRAFFIC UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER. IF THE TRAFFIC ENGINEER REQUIRES SIDE MOUNTED BARRIER DELINEATORS, THEY WILL HAVE A MINIMUM OF 12 SQ. IN. OF REFLECTIVE SURFACE AREA AND BE PLACED AT 30 FOOT SPACES. IF A SMALLER APPROVED BARRIER DELINEATOR IS USED IT SHALL BE AT ONE HALF THE SPACING AND ONE HALF THE BID PRICE.



UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONSOLIDATED ENERGY (763) 323-0768
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
Don Kuepfer
 DATE 05/12/26 REG. NO. 48768

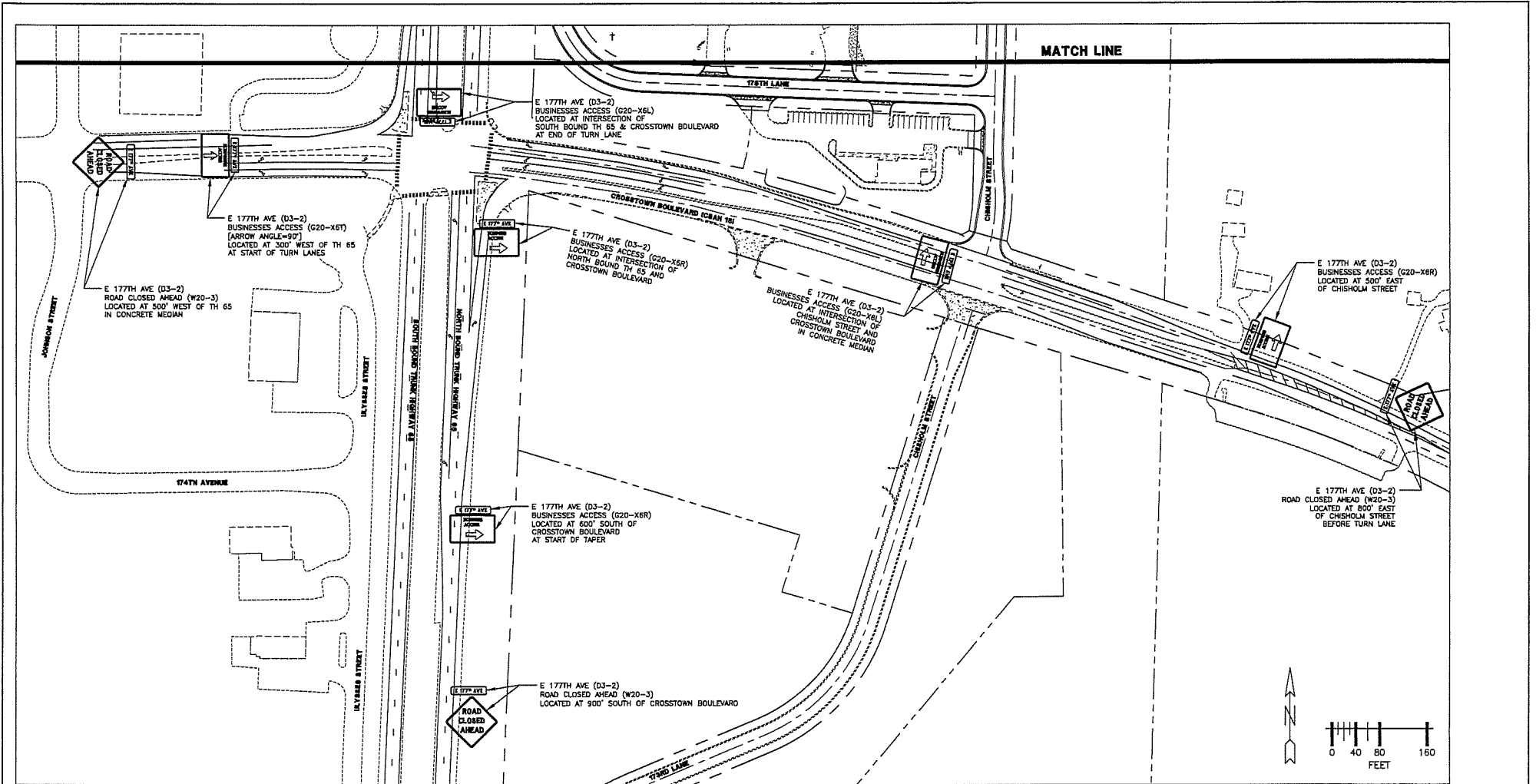
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 TEMPORARY TRAFFIC CONTROL PLAN
 177TH AVENUE CLOSURE

DWG: 2205 TRAF1
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 58 OF 61
 FILE: 37-2-158

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK



- NOTES:**
1. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES ARE INCIDENTAL.
 2. FIELD CONDITIONS MAY REQUIRE MODIFICATIONS OF THIS LAYOUT AS NEEDED BY THE ENGINEER.
 3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH THE LATEST MnDOT AND LANE CLOSURE MANUAL.
 4. SIGN INSTALLATION SHALL NOT OBSTRUCT EXISTING SIGNS.
 5. QUANTITIES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND ARE SHOWN FOR INFORMATIONAL ONLY. THE ITEM "TRAFFIC CONTROL" COVERS ALL DEVICES SHOWN ON THE PLAN SHEETS AND OTHER SETUPS REQUIRED BY THE CONTRACTOR'S OPERATIONS.
 6. THROUGH LANE CLOSURES ARE NOT ALLOWED ON TRUNK HIGHWAY 65.

- SIGNING:**
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UTILITIES:
 LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONDENSUS ENERGY (763) 323-4368
 GREAT RIVERS ENERGY (763) 443-5884

DATE	REVISION HISTORY

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David K. Kasper
 DATE 05/12/26 REG. NO. 48768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSTOWN SHOPPING CENTER STREET RECONSTRUCTION
 TEMPORARY TRAFFIC CONTROL PLAN
 177TH AVENUE CLOSURE

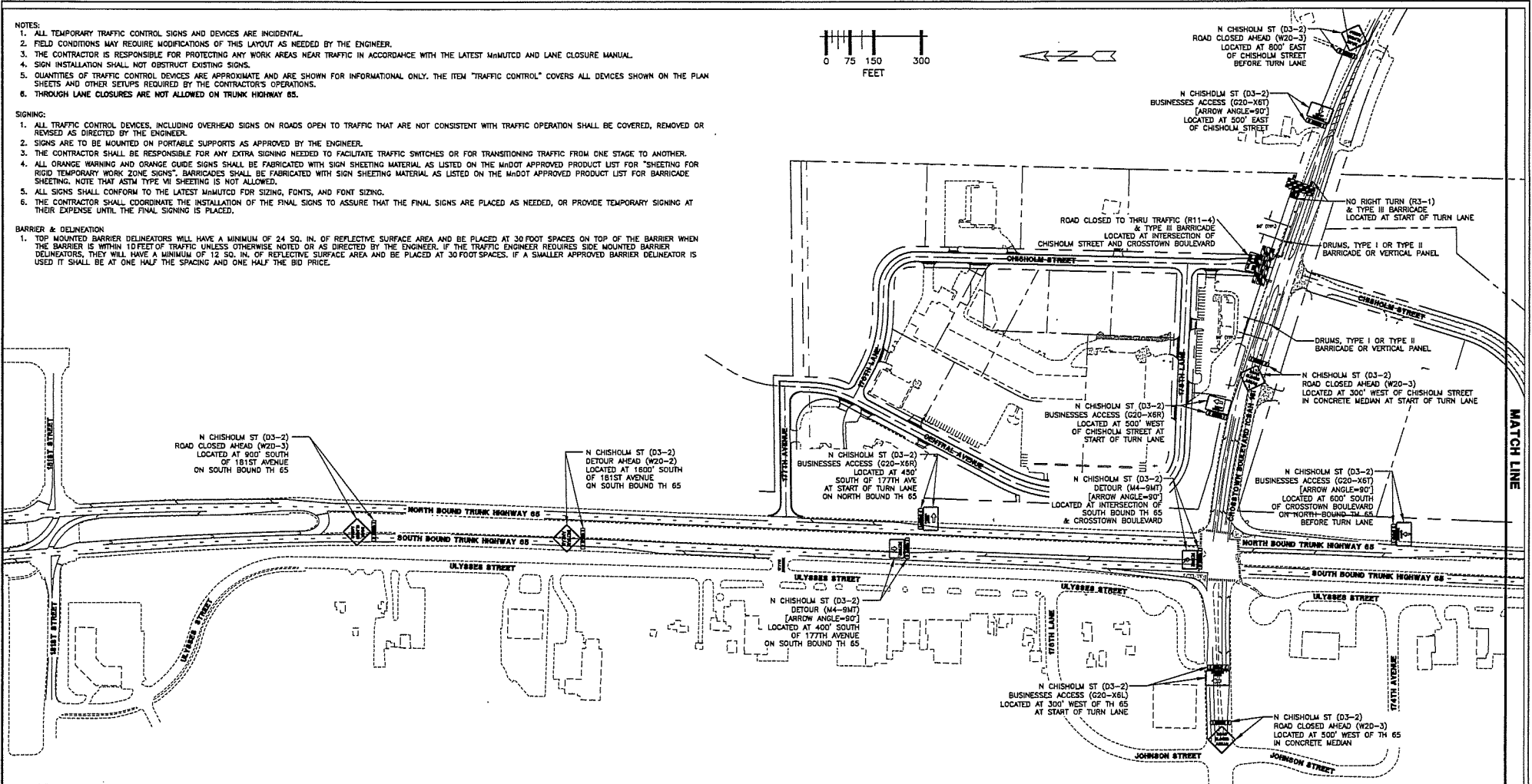
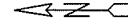
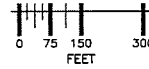
DWG: 2205 TRAF2
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 59 OF 61
 FILE: 37-2-159

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

- NOTES:
1. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES ARE INCIDENTAL.
 2. FIELD CONDITIONS MAY REQUIRE MODIFICATIONS OF THIS LAYOUT AS NEEDED BY THE ENGINEER.
 3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH THE LATEST MnDOT CD AND LANE CLOSURE MANUAL.
 4. SIGN INSTALLATION SHALL NOT OBSTRUCT EXISTING SIGNS.
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 6. THROUGH LANE CLOSURES ARE NOT ALLOWED ON TRUNK HIGHWAY 65.

- SIGNING:
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- BARRIER & DELINEATION
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UTILITIES: LUMEN (763) 712-5017
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 607-4078
 CONDUIS ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 448-5894

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN 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.
David R. Kumpf
 DATE 05/12/26 REG. NO. 49768

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-852-8000
 Fax 763-852-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

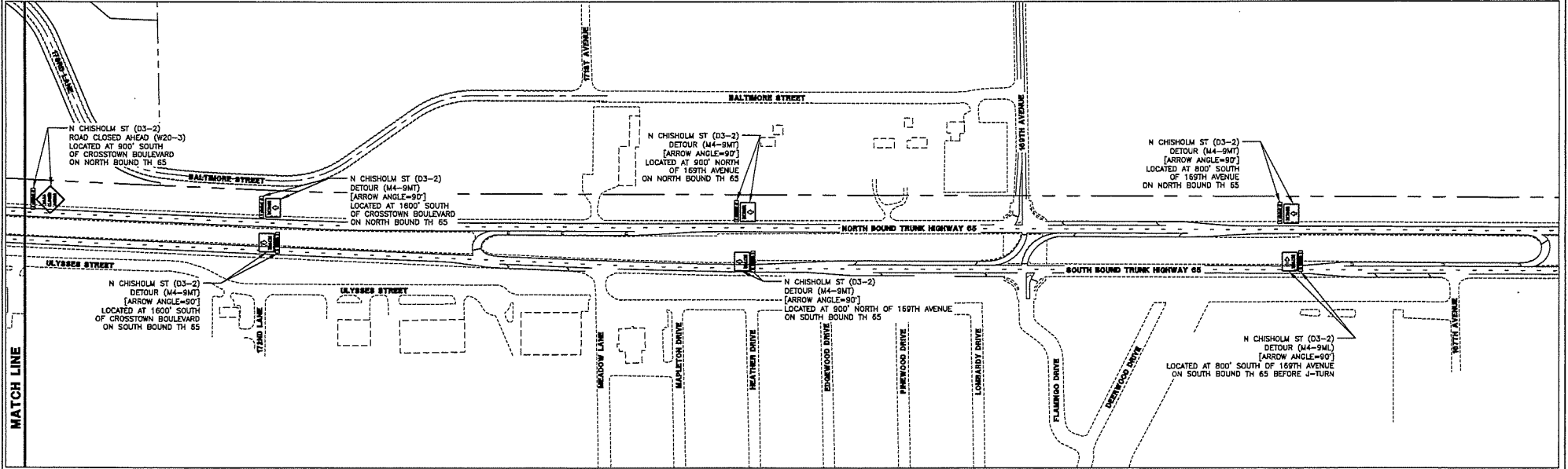
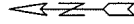
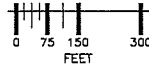
TEMPORARY TRAFFIC CONTROL PLAN
 CHISHOLM STREET CLOSURE

DESIGN BY: LDZ

DRAWN BY: LDZ

CHECKED BY: DAK

DWG: 2205 TRAF3
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 60 OF 61
 FILE: 37-2-160



NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES ARE INCIDENTAL.
2. FIELD CONDITIONS MAY REQUIRE MODIFICATIONS OF THIS LAYOUT AS NEEDED BY THE ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH THE LATEST MAINTENANCE AND LAKE CLOSURE MANUAL.
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UTILITIES:

LUMEN (763) 712-5617
 CENTERPOINT ENERGY (763) 323-2780
 COMCAST (952) 807-4078
 CONDENSUS ENERGY (763) 323-4288
 GREAT RIVERS ENERGY (763) 445-5984

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Donna Ruppel
 DATE: 05/12/26 REG. NO. 48728

RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

S.A.P. 197-119-004 / 197-135-001
 HAM LAKE IMPROVEMENT PROJECT 2205
 CROSSTOWN SHOPPING CENTER STREET RECONSTRUCTION

TEMPORARY TRAFFIC CONTROL PLAN
 CHISHOLM STREET CLOSURE

DESIGN BY: LDZ DRAWN BY: LDZ CHECKED BY: DAK

DWG: 2205 TRAF4
 DATE: 05/12/26
 JOB NUMBER: 2205
 SHEET: 61 OF 61
 FILE: 37-2-161





CITY OF HAM LAKE - STAFF REPORT

To: Mayor and Councilmembers
From: Dawnette Shimek, Deputy City Clerk
Item/Title/Subject: Renewal of Liquor Licenses

Introduction:

All Liquor Licenses in the City of Ham Lake will expire on June 30, 2025. The following licensees have applied for renewal and have submitted the required documentation.

On-Sale and Sunday On-Sale

- Acapulco of Ham Lake Inc. dba Acapulco Mexican Restaurant, 18015 Ulysses Street NE, Suite 1000, Ham Lake, MN
- Dan Dahlin Inc. dba Ham Lake Lanes, 16465 Highway 65 NE, Ham Lake, MN
- EAGL Beverages Holdings, LLC dba Majestic Oaks Golf Club, 701 Bunker Lake Boulevard NE, Ham Lake, MN
- Elevage Management Group LLC dba T-Box Bar & Grill, 1431 147th Avenue NE, Ham Lake, MN
- Maxx Bar & Grill Inc. dba Maxx Bar & Grill, 17646 Highway 65 NE, Ham Lake, MN

Off-Sale

- Bidhipur Beverage, Inc. dba Ham Lake Liquors, 17720 Central Avenue NE, Ham Lake, MN
- Broadview Operations LLC, dba 1 Stop Liquor, 16205 Lexington Avenue NE, Ham Lake, MN
- Grape Expectations Inc. dba Tournament Liquor, 1434 147th Avenue NE, Ham Lake, MN
- Rama Corporation dba Network Liquors, 13548 Highway 65 NE, Ham Lake, MN

Wine and 3.2% Malt Liquor

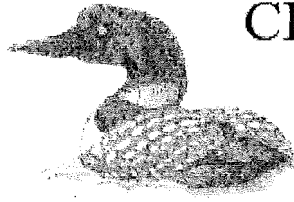
- Mansettis-Ham Lake Inc. dba Mansetti's Pizza & Pasta, 16220 Aberdeen Street NE, Suite C, Ham Lake, MN

3.2% Off-Sale

- Northern Tier Retail LLC dba Speedway #4537, 1442 Constance Boulevard NE, Ham Lake, MN

Recommendation:

I recommend approval of the renewal of Liquor Licenses for the period of July 1, 2026 to June 30, 2027, pending payment of taxes.



CITY OF HAM LAKE

15544 Central Avenue NE
Ham Lake, Minnesota 55304
(763) 434-9555
Fax (763) 434-9599

CITY OF HAM LAKE PLANNING COMMISSION AGENDA MONDAY, MAY 11, 2026

CALL TO ORDER: 6:00 p.m.

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES: April 27, 2026

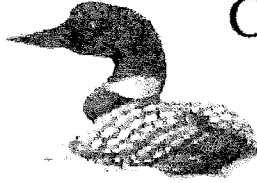
PUBLIC HEARING: None

NEW BUSINESS:

1. Rich and Becky Gersdorf are requesting Sketch Plan approval for Ham Lake Estates, at 16000 Hastings Street NE (PID: 17-32-23-41-0005) (6 Single Family Residential lots).

COMMISSION BUSINESS:

1. City Council Update



CITY OF HAM LAKE

15544 Central Avenue NE
Ham Lake, Minnesota 55304
(763) 434-9555
info@ci.ham-lake.mn.us

CITY OF HAM LAKE PLANNING COMMISSION MINUTES MONDAY, MAY 11, 2026

The Ham Lake Planning Commission met for its regular meeting on Monday, May 11, 2026, in the Council Chambers at Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

MEMBERS PRESENT: Commissioners Brian Pogalz, Dave Ringler, Jeff Entsminger, Lorrie Albers, Michael Frid, Erin Dixion, and Kyle Lejonvarn.

MEMBERS ABSENT: None.

OTHERS PRESENT: City Planner, Matt Holzworth and City Engineer, David Krugler.

CALL TO ORDER: Chair Pogalz called the meeting to order at 6:00 p.m.

PLEDGE OF ALLEGIANCE:

The pledge of allegiance was recited by all in attendance.

APPROVAL OF MINUTES:

Motion by Ringler, seconded by Entsminger, to approve the minutes of the April 27, 2026 Planning Commission meeting as written. All in favor, motion carried.

PUBLIC HEARING: None

NEW BUSINESS:

1. Rich and Becky Gersdorf are requesting Sketch Plan approval for Ham Lake Estates, at 16000 Hastings Streets NE (PID: 17-32-23-41-0005) (6 Single Family Residential lots).

Chair Pogalz gave a brief overview of the application and the staff report provided by City Engineer Krugler recommending approval of the request.

Chair Pogalz asked Engineer Krugler to comment on the Sketch Plan. Engineer Krugler stated that this a 33.9-acre lot that will be split into 6 individual lots. Engineer Krugler stated there is an existing home and accessory building on the current lot that will remain in compliance after the lot split within the city code requirements. Engineer Krugler stated that the zoning ordinance requires certain impervious vs pervious area on each individual lot that will have to be handled during the building permit application process. Engineer Krugler stated that the submitted plans show existing septic setbacks. Engineer Krugler stated that they are planning on expanding

Davenport Street NE to the south that will not exceed the maximum 1,100 ft requirement for the cul-de-sac at the end. Engineer Krugler stated that the Public Works Superintendent John Witkowski is requesting a park land dedication fee of \$2,500 per lot in lieu of park dedication due to the proximity to an existing park.

Commissioner Entsminger asked if there was a discussion around potential trails. Engineer Krugler stated that there is no discussion at this time. Commissioner Entsminger asked if all six lots will have lake shore access. Chair Pogalz showed on the map that there will not be any lots with lake shore access confirmed by Engineer Krugler.

Commissioner Albers asked Engineer Krugler about the wetland on the property. Engineer Krugler stated that the homes themselves are on upland and that there is a wetland on the larger 18 acre parcel the applicant is going to keep and is unbuildable and there are no plans to build within the wetland or creek on the property.

Engineer Krugler stated this process is only a sketch plan and that more extensive environmental reviews would take place in the preliminary phase of the development.

Motion by Pogalz, seconded by Lejonvarn, to approve the Sketch Plan for Ham Lake Estates at 16000 Hastings Street NE (6 Single Family Residential lots) with a \$200 drainage fee, \$2,500 parkland dedication fee for 6 lots, with conditions meeting all engineering comments and meeting all City, State and County requirements. All in favor, motion carried.

COMMISSION BUSINESS:

City Council Update

City Planner Holzworth stated that all items from the Planning Commissions previous meeting were approved by the City Council. A Planning Commissioner will not be attending the City Council's May 18, 2026 meeting.

ADJOURNMENT:

Motion by Dixon, seconded by Lejonvarn, to adjourn the Planning Commission meeting at 6:14 p.m. All in favor, motion carried.

Matt Holzworth, City Planner



CITY OF HAM LAKE

15544 Central Avenue NE

Ham Lake, MN 55304

(763) 434-9555 info@hamlakemn.gov

PLANNING REQUEST

Date of Application 4/2/26

Date of Receipt 4/2/26

Receipt # 105455

Amount \$ 4200.00

Meeting Appearance Dates:

Planning Commission 5/11/2026 City Council _____

Please check request(s):

- | | |
|---|--|
| <input type="checkbox"/> Metes & Bounds Conveyance \$500.00 | <input type="checkbox"/> Commercial Building Permit \$1,000.00 |
| <input checked="" type="checkbox"/> Sketch Plan \$700.00 per lot/unit | <input type="checkbox"/> Certificate of Occupancy |
| <input type="checkbox"/> Preliminary Plat Approval* | <input type="checkbox"/> Home Occupation Permit \$200.00 |
| <input type="checkbox"/> Final Plat Approval | <input type="checkbox"/> Special Home Occupation Permit \$400.00 |
| <input type="checkbox"/> Rezoning* \$400.00 | <input type="checkbox"/> Conditional Use Permit* New or Amend.\$1,000.00 |
| <input type="checkbox"/> Multiple Dog License* \$400.00 | <input type="checkbox"/> Other _____ |

***NOTE: Advisory Signage is required for land use alterations and future road connections. This application also requires a Public Hearing. Such fees shall be deducted from deposit.**

Development/Business Name: HAM LAKE ESTATES

Address/Location of property: 16000 HASTINGS STREET NE

Legal Description of property: (SEE ATTACHED)

PIN # 17-32-23-41-0005 Current Zoning R-A Proposed Zoning R-1

Notes: _____

Applicant's Name: RICH & BECKY GERSDORF

Business Name: _____

Address 16000 HASTINGS ST NE

City HAM LAKE State MN Zip Code 55304

Phone 612-868-6419 Email Rich.CTR@gmail.com

You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.

SIGNATURE Rebecca Hershey DATE 4-2-26

- FOR STAFF USE ONLY -

Action By: Planning Commission _____	Property Taxes Current	YES	NO
City Council _____	Any Active/Deferred Assessments	YES	NO

**NOTICE TO ALL APPLICANTS FOR MUNICIPAL
PERMITS, LICENSES,
OR OTHER MUNICIPAL ACTION**

1. *If you are requesting municipal action on any request for any of the above, you will be required to furnish certain information about yourself, the project you are involved in, or other matters pertaining to the subject. Some of the information you are asked to provide is classified by state law as either private or confidential. Private data is information which generally cannot be given to the public but can be given to the subject of the data. Confidential data is information which generally cannot be given to either the public or the subject of the data.*

2. *The purpose of this information is to enable the City Staff, Commissions, Council or other government agencies to evaluate relevant factors in considering your request. You are not legally required to provide this information. If you do not provide the requested information, the City may not act upon your request.*

3. *The information you supply will be public and available to any entity requesting to inspect the information.*

**DATA PRACTICES ADVISORY
TENNESSEN WARNING
REQUIRED BY MINNESOTA STATUTES CHAPTER 13.04**

SIGNED BY

 Rebecca Hershey

COMPANY/TITLE: _____

DATE: 4-2-26

**CITY OF HAM LAKE
ACKNOWLEDGMENT OF RESPONSIBILITY
TO REIMBURSE EXPENSES**

The undersigned, RICH & BECKY GERSDORF, having applied to the City of Ham Lake for consideration of a planning and zoning request, or any other permit, license, or action requiring review and/or approval of the City, as follows:

Type of Application

acknowledges that the sum of \$ 4,200.00, has been deposited with the City of Ham Lake to reimburse the City of Ham Lake for any out of pocket expenses incurred by the City in reviewing the proposal, including but not limited to a staff review fee, any signage required by ordinance, and City Engineer and City Attorney's fees for their review, in amounts which are not known to the City at this time. The applicant acknowledges that it is the responsibility of the undersigned to reimburse the City for any such engineering or attorney's fees incurred in review of the applicant's request, or any other expenses incurred by the City in connection with this requires, and further acknowledges that in the event that the undersigned fails to promptly remit any amounts incurred by the City in excess of the deposit, the City shall have the right to discontinue further consideration or action upon the undersigned's request, shall have the right to rescind any approvals, withdraw any permits, licenses or other consents, shall have the right to vacate any street or road, plat or other dedication, and the undersigned waives the right to claim damages arising out of any such act by the City. Furthermore, the applicant agrees that in the event that the City is required to take legal action in order to effect recovery of any of the expenses incurred by the City from the undersigned, the City shall be entitled, in addition to principle and interest, to recover its reasonable attorney's fees incurred in collecting said sums from the undersigned.

Applicant Signature  Dated 4-2-26

The following statement must be signed if the applicant is not the property owner:

_____, as owner of the property involved in the foregoing application, agrees to be jointly and severally liable for payment of the foregoing fees.

I am aware of the application being submitted by the applicant and approve the request.

Property Owner Signature _____ Dated _____

Memorandum

Date: May 7, 2026
To: Planning Commissioners
From: David A. Krugler, City Engineer
Subject: Ham Lake Estates



Introduction:

The proposed six-lot residential development is located on 33.9-acre parcel (PID 17-32-23-41-0005) 16000 Hastings Street. The property is currently zoned Rural Single Family Residential (R-A) and the proposed zoning is Single Family Residential (R-1). A 500-scale zoning map, 600-scale aerial map and a 200-scale half section map are attached.

Discussion:

The proposed six-lots residential development are located within the 33.9 acres of parcel 17-32-23-41-0005. Ham Lake is classified as a recreational Development Lake per Resolution 92-35 of the shoreland ordinance. Pursuant to Section 12-5.21(A) of the Shoreland Ordinance, required setbacks are 75 feet for sewer systems and 100 feet for structures from the Ordinary High-Water Elevation (OHWL) of Ham Lake is 897.45. All current and future buildings and septic meet this requirement. In accordance with Section 12-5.52(A), impervious surface coverage of each lot shall not exceed 25 percent of the total lot area. Compliance with this standard will be verified at the time of individual building permit review.

The majority of the non-wetland portion of the development is identified as a Dry Prairie Barrens Subtype community according to the Minnesota DNRs Natural Communities and Rare Species of Anoka and Ramsey Counties map. The Natural Resources Inventory and Assessment (NRIA) that was completed in 2008 by the Anoka Conservation District (included as Appendix S of the Storm Water Pollution Prevention Plan) classifies this area similarly, the relevant NRIA section is attached.

There is an existing 3,000-square-foot accessory structure is located on the proposed Lot 6, which consists of approximately 18.07 Acres. Accessory structures of this size are permitted on parcels exceeding 5.0 acres. The extension of Davenport Street will result in a cul-de-sac roadway length of approximately 1,020 feet which meets the requirements of Article 10-430 k.

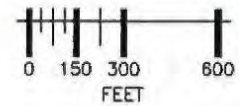
Based on correspondence with Public Works Superintendent John Witkowski, parkland dedication fees are recommended in lieu of parkland or trail dedication. The developer will be required to contribute \$200 per lot to the drainage fund and pay a parkland dedication fee of \$2,500 per lot.

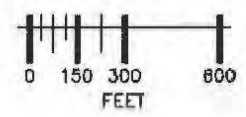
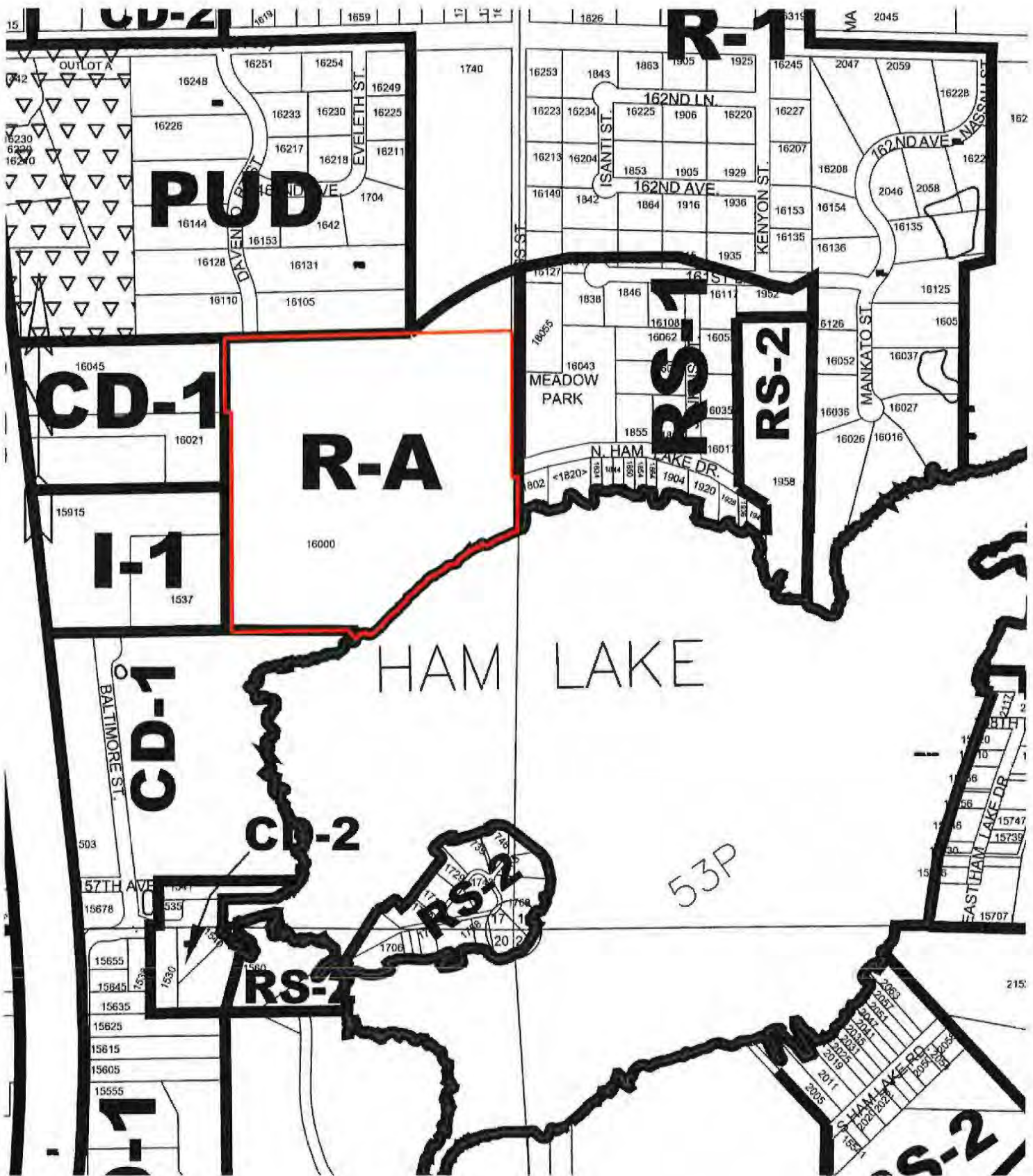
Recommendations:

It is recommended that the Ham Lake Estates Sketch Plan be recommended for approval.



HAM LAKE





sections 12-4.12 shall be as defined in section 12-2.744 and as shown on the Official Zoning Map.

12-4.12 Lakes

Protected Waters	
A. Natural Environment Lakes	Inventory I.D.#
Little Coon Lake	2-48W
Mallard Lake	2-49W
Sec. 9	2-51W
Sec. 30 & 31	2-74W

Protected Waters	
B. Recreational Development Lakes	Inventory I.D.#
Lake Netta	2-52P
Ham Lake	2-53P

Protected Waters	
C. General Development Lakes	Inventory I.D.#
Coon Lake	2-42P

12-4.2 Land Use District Descriptions

12-4.21 All land adjacent to any natural environment lake, recreational lake, or general development lake shall be classified as C-A (Conservation/Agriculture), RS-1 (Residential Shoreland-1), RS-2 (Residential Shoreland -2), ML-PUD (Marginal Land Planned Unit Development) as those classifications are established by Article 9 of the Ham Lake City Code. Uses permitted in such zoning districts shall be as prescribed in Article 9. Areas which meet the definition of "Shoreland" as found in Article 12-2.743, but which are not zoned RS-1, RS-2, C-A or ML-PUD, shall be subject to the restrictions and conditions of this Article 12.

12-5.0 - ZONING AND WATER SUPPLY/SANITARY PROVISIONS

12-5.1 Lot Area and Width Standards

The lot area (in square feet) and lot width standards (in feet) for single family dwellings shall be the same as for R-1 Single Family Residential as found in Table 9-2 of Article 9 of the Ham Lake City Code, for RS-1 and RS-2 zones. For C-A and ML-PUD zones, the standards found in Table 9-2 of Article 9 for those classifications shall apply.

12-5.2 Placement, Design, and Height of Structures.

12-5.21 Placement of Structures on Lots. When more than one

setback applies to a site, structures and facilities must be located to meet all setbacks. Where structures exist on the adjoining lots on both sides of a proposed building site, structure setbacks may be altered without a variance to conform to the adjoining setbacks from the ordinary high water level, provided the proposed building site is not located in a shore impact zone or in a bluff impact zone. Structures shall be located as follows.

A. Structure and On-site Sewage System Setbacks (in feet) from Ordinary High Water Level*.

Classes of Public Waters	Setbacks*		
	Unsewered	Sewered	Sewage Treatment System
Lakes			
Natural Environment	150	150	150
Recreational Development	100	75	75
General Development	75	50	50

*One water-oriented accessory structure designed in accordance with Section 12-5.22 of this ordinance may be set back a minimum distance of ten (10) feet from the ordinary high water level.

B. Additional Structure Setbacks. The following additional structure setbacks apply, regardless of the classification of the waterbody:

Setback From:	Setback (in feet)
(1) top of bluff;	30
(2) unplatted cemetery;	50
(3) right-of-way line of federal, state, or county highway; and	50
(4) right-of-way line of town road, public street, or other roads or streets not classified.	20

C. Bluff Impact Zones. Structures and accessory facilities, except stairways and landings, must not be placed within

discharge to public waters.

- B. Development must be planned and conducted in a manner that will minimize the extent of disturbed areas, runoff velocities, erosion potential, and reduce and delay runoff volumes. Disturbed areas must be stabilized and protected as soon as possible and facilities or methods used to retain sediment on the site.
- C. When development density, topographic features, and soil and vegetation conditions are not sufficient to adequately handle stormwater runoff using natural features and vegetation, various types of constructed facilities such as diversions, settling basins, skimming devices, dikes, waterways, and ponds may be used. Preference must be given to designs using surface drainage, vegetation, and infiltration rather than buried pipes and man-made materials and facilities.

12-5.52 Specific Standards:

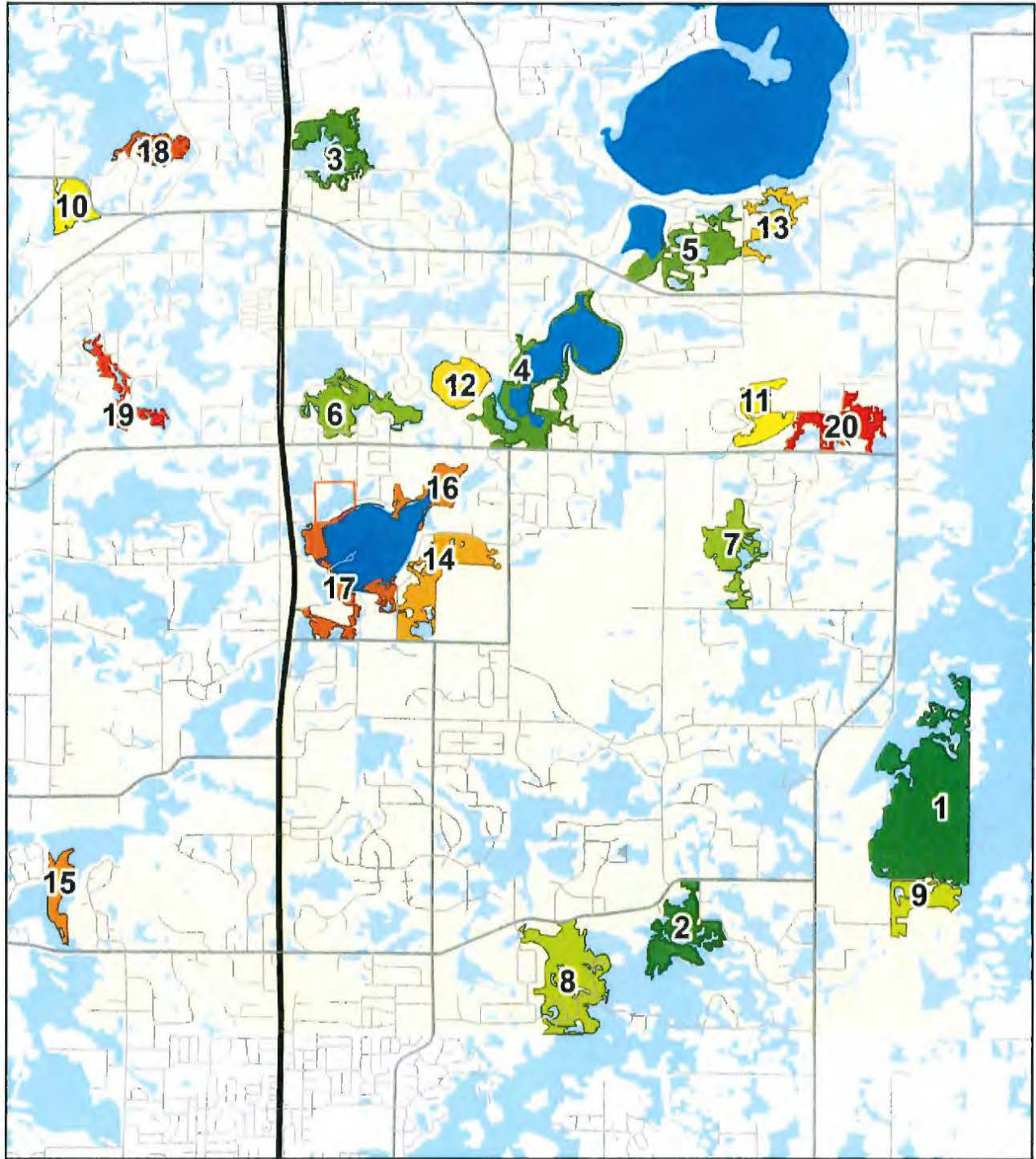
- A. Impervious surface coverage of lots must not exceed 25 percent of the lot area.
- B. When constructed facilities are used for stormwater management, documentation must be provided by a qualified individual that they are designed and installed consistent with the field office technical guide of the local soil and water conservation districts.
- C. New constructed stormwater outfalls to public waters must provide for filtering or settling of suspended solids and skimming of surface debris before discharge.

12-5.6 Special Provisions for Commercial, Industrial, Public/Semipublic, Agricultural, Forestry and Extractive Uses and Mining of Metallic Minerals and Peat.

12-5.61 Standards for Commercial, Industrial, Public, and Semipublic Uses.






- A. Surface water-oriented commercial uses and industrial, public, or semipublic uses with similar needs to have access to and use of public waters may be located on parcels or lots with frontage on public waters. Those uses with water-oriented needs must meet the following standards:
 - (1) in addition to meeting impervious coverage limits, setbacks, and other zoning standards in this ordinance, the uses must be designed to incorporate topographic and vegetative screening of parking areas and structures;
 - (2) uses that require short-term watercraft mooring for patrons must centralize these facilities and design

Major Natural Resource Concentrations City of Ham Lake



Natural Resource Clusters

(Top 20 Natural Resource Clusters, by Undeveloped Acreage)

-  Largest Undeveloped Acreage
- 
- 
- 
-  Smallest Undeveloped Acreage

Lakes



Wetlands



Roads

-  Interstate Highways
-  U.S. Highways
-  State Highways
-  County Roads/CSAHs
-  Municipal Streets
-  Misc. Other

Natural Resource Cluster #17 City of Ham Lake



1:8,837

Ecotypes of Featured Cluster

- Cattail marsh - semipermanently fl
- Dry prairie barrens subtype
- Mixed hardwood swamp
- Oak forest dry subtype

Lakes



Wetlands



Other HQ Patches

- Other Ranked Clusters
- All Other Patches

Roads

- Interstate Highways
- U.S. Highways
- State Highways
- County Roads/CSAHs
- Municipal Streets
- Misc. Other

Cluster 17

Component Patches

Patch Ecotype	Development Status	Total Patch Acres	Patch Developed Acres	Hydrology	Type
Cattail marsh - semipermanently fl	partial	37.4	10.8	Wetland	Semi-permanently flooded
Mixed hardwood swamp	partial	9.7	8.9	Wetland	Saturated
Mixed hardwood swamp	partial	8.2	8.1	Wetland	Saturated
Oak forest dry subtype	partial	12.1	10.4	Upland	Upland
Oak forest dry subtype	not developed	3.1		Upland	Upland

CONCEPT PLAN

-of- HAM LAKE ESTATES
-for- RICH GERSDORF
16000 HASTINGS ST NE
HAM LAKE, MINNESOTA 55304

LEGEND

- DENOTES LEGAL CONTOURS (2' INTERVAL)
- DENOTES DRAINAGE AND UTILITY EASEMENT
- DENOTES BUILDING SETBACK LINE
- DENOTES WETLAND LINE DELINEATED BY KIOLOGIA ENVIRONMENTAL SERVICES INC.
- DENOTES WETLAND BUFFER LINE
- DENOTES APPROXIMATE FEMA FLOOD ZONE A LINE FROM FEMA FLOOD INSURANCE RATE MAP NO. 27020220222E PANEL NO. 515 SUFFIX C. EFFECTIVE DATE DECEMBER 16TH, 2015.
- DENOTES SOIL BOUNDING BY TRADITIONAL SOIL TESTING
- DENOTES EXISTING AREA 1' ABOVE MOTTILING
- DENOTES PROPOSED BUILDING PAD AREAS
- DENOTES PROPOSED YARD AREA
- DENOTES PROPOSED SEPTIC AREA
- DENOTES ADJACENT PARCELS, DRIVES INFORMATION (FOR ANOKA COUNTY TAX INFORMATION)

PROPERTY DESCRIPTION

That part of Government Lot 1, Section 17, Township 32, Range 23, Anoka County, Minnesota, except the West 30 feet thereof.

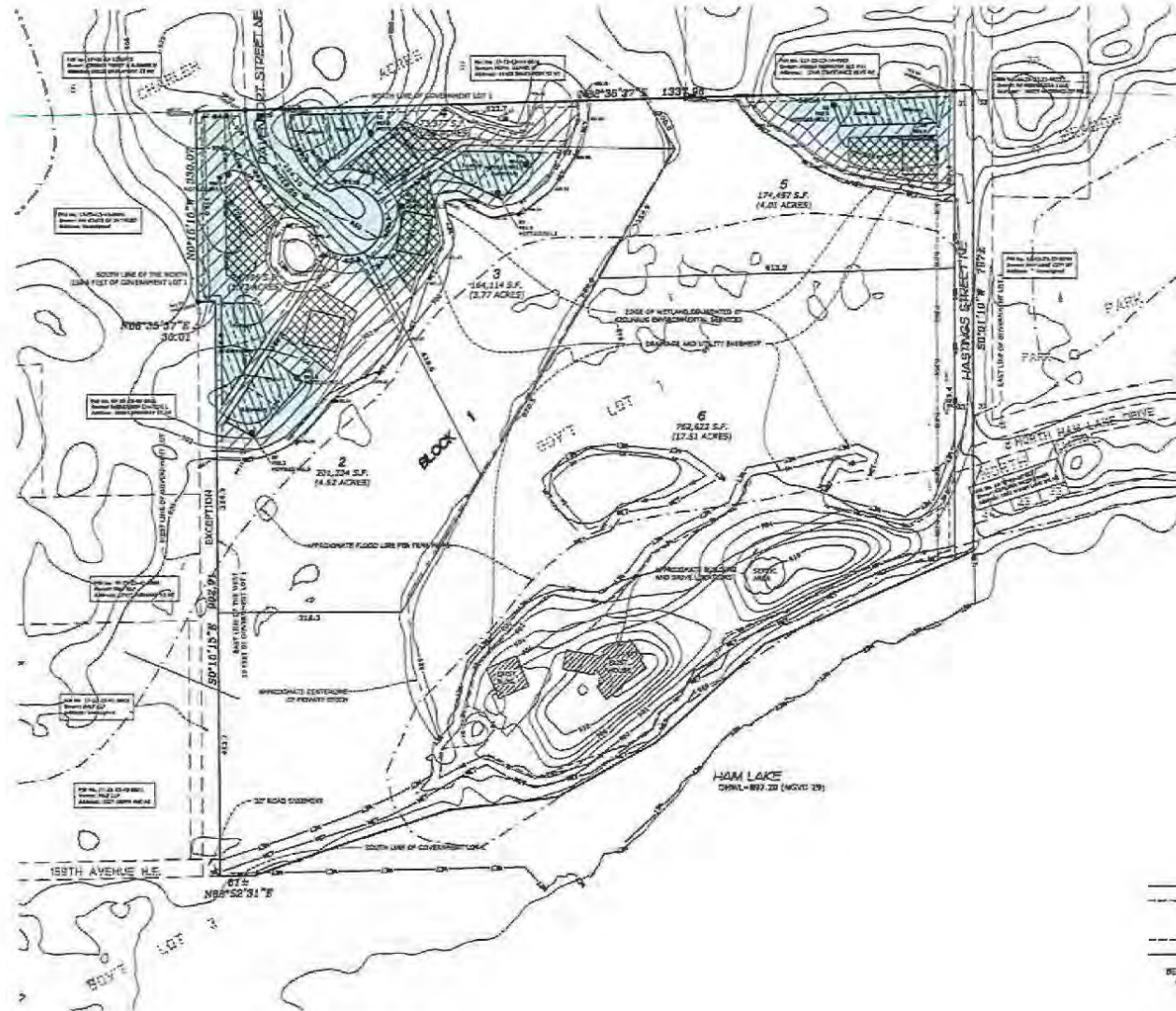
AND

The West 30 feet of the North 330 feet of Government Lot 3, Section 22, Township 32, Range 23, Anoka County, Minnesota.

Subject to easements of record.

DEVELOPMENT DATA

- TOTAL SITE AREA = 23.314 ACRES
- 6 PROPOSED SINGLE FAMILY LOTS
- AVERAGE LOT SIZE = 3,885 ACRES
- MINIMUM STREET FRONTAGE = 200 FEET
- MINIMUM LOT SIZE = 1.00 ACRES (INCLUDING HALF OF STREET ROW)
- PROPOSED ZONING = R-1
- BUILDING SETBACKS:
 - FRONT = 30 FEET
 - REAR = 30 FEET
 - COUNTY ROAD = 50 FEET



VICINITY MAP

PART OF SEC. 17, TWP. 32, RNG. 23



ANOKA COUNTY, MINNESOTA
(NO SCALE)

NOTES

- Drainage shown are an Anoka County drain.
- Parcel ID Number: 17-32-23-41-005
- OWNER: RICHARD GERSDORF
- Total Proposed cul-de-sac length = 1012.8 feet.

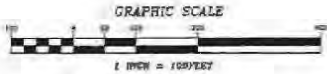
TYPICAL EASEMENTS

(NOT TO SCALE)



I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

JACOB E. RUD
Date: 03/30/2024 License No. 41378



DATE	DESCRIPTION	BY