



AGENDA
CHASKA CITY COUNCIL
CHASKA CITY HALL - COUNCIL CHAMBERS & ZOOM
Monday, February 26, 2024
7:00 PM

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Adopt Agenda
5. Visitor Presentation
6. Approve Previous Meeting Minutes
 - 6.A. City Council Meeting Minutes 2-5-2024
7. Consent Items
 - 7.A. Appointment of Human Rights Commission Chair and Vice Chair
 - 7.B. Appointment of Planning Commission Chair and Vice-Chair
 - 7.C. Audit Engagement Letter for 2023 Audit
 - 7.D. Consider City Administrator Performance Based Salary Adjustment
 - 7.E. Massage Business License - Kristine Loeffelbein
 - 7.F. Adopt Resolution 2024-12 Accepting Mass Grading Improvements to Chaska Club West Industrial Property and Adjacent Property
 - 7.G. Adopt Resolution 2024-17 Bavaria Road Turn Lanes at Southwest Christian High School Accepting Feasibility Study, Authorize Preparation of Construction Documents and Schedule Public Improvement Hearing
 - 7.H. Lease Renewal for the Arts Consortium of Carver County
8. Action Items
 - 8.A. Adopt Resolution No. 2024 - 18, Approval of the concept plan for Ensconced Woods 2nd Addition, a 14-lot subdivision, at 3675 Big Woods Blvd (PC #2024-01)

- 8.B. Adopt Ordinance Nos. 1042 and 1043 Approving the Zoning Ordinance Amendments to Non-Conforming Structures & Uses, Non-Conforming Lots of Record, and Variances/City of Chaska/PC #2024-03
 - 8.B.i. Ordinance 1043
- 8.C. Adopt Resolution 2024-16 Public Improvement Hearing NE Collector in SW Area
- 8.D. Adopt Resolution 2024-14 Accepting the Feasibility Report for the 2024 Street & Utility Reconstruction Improvements, Calling for a Public Improvement Hearing, and Authorizing Preparation of Construction Documents
- 8.E. Adopt Resolution 2024-15 to Approve Plans & Specs and Authorize Bidding for Minnesota River Bluffs Regional Trail – Chaska Connection
- 8.F. Letter Regarding the Missing Middle Housing bill HF 4009 and SF 3964
- 9. Bills
 - 9.A. ACCOUNTS PAYABLE CLAIMS ROSTER 2-26-24
- 10. Other Business
 - 10.A. City Administrator's Report
 - 10.A.i. Biweekly 2-26-2024
 - 10.B. 4th-Qtr-2023 Investment Report dated February 26th, 2024
 - 10.C. Chaska High School - Hawk Pride Recap
- 11. Adjourn

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**- MINUTES -
CHASKA CITY COUNCIL
FEBRUARY 5, 2024**

1. OPEN SESSION

2. CLOSED SESSION – 5:30-6:40 PM

2.A. City Administrator's Annual Review

Under Minnesota Statute Section 13D.05 Subdivision 3(a) the City Council has the authority to conduct a closed session for the review of any employee under our direct supervision. The only topic of the discussion in this closed session will be the performance review of City Administrator Matt Podhradsky. The meeting will be taped, and the recording kept for three years, as required by the Minnesota Open Meeting Law. As is required by State Statute, a summary of conclusions regarding the evaluation will be given at the next open session of the Chaska City Council.

3. OPEN SESSION

4. Commission Interview – 6:40 PM

5. Call to Order – 7:00 PM

The meeting was called to order by Mayor Windschitl at 7:03 p.m.

6. Pledge of Allegiance

7. Roll Call

Roll call was taken. Present: Mayor Windschitl and Councilmembers Grau, Hatfield, Hubbard, and Huang.

Absent: None.

Also Present: Matt Podhradsky, City Administrator; Krista Mark, Communications Coordinator; Elise Durbin, Assistant City Administrator; Ryan Seibert, Police Chief; Jamie Personius, Police Sergeant; Hunter Panning, Police Officer; and Christophe Morschen, City Attorney.

8. Adopt the Agenda

Motion by Councilmember Grau, second by Councilmember Hatfield to move Consent Agenda Item 11.A. Appointment of Parks & Recreation Commission Chair and Vice-Chair to become Action Items Item 12.B. Appointment of Parks & Recreation Commission Chair and Vice-Chair, and adopt the agenda as amended.

Motion carried.

9. Visitor Presentation

9.A. Recognition of Commission Members

The Commission members were not in attendance, and the item will be rescheduled.

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9.B. Al Sherwood – Election Integrity

Al Sherwood, Chanhassen resident, explained his concern regarding absentee and mail-in ballots. Provided his understanding of the State Statute and the Administrative Rule enacted regarding signing of the absentee ballot and application and the number of absentee votes cast in 2020.

Mr. Sherwood spoke on party balance requirements and conflicting laws and his concerns regarding the Absentee Ballot Board conducted by Carver County.

Mr. Sherwood addressed same-day voter registration and other states having provisional balloting in place and would like Minnesota to do the same.

9.C. Jennifer Ray – Absentee Ballot Board

Jennifer Ray, Chanhassen resident, talked about her concern between Carver County and the League of Women Voters on the composition of the Absentee Ballot Boards and provided resources from League of Women Voters from December 2023.

Ms. Ray spoke on non-partisanship, voter turnout, having to choose a major party to vote and the need for transparency in the election process. She requested the Council take action to ensure regulations are followed and party balance is followed.

9.D. Police Department Drone Program – Chief Seibert

Chief Seibert introduced the item and invited Officer Panning to continue the presentation. Officer Panning explained the technical name for a drone is an unmanned aerial vehicle (UAV). There are also acronyms UAS and sUAS to refer to a drone. He showed photos of the drone the Police Department is considering.

Officer Panning pointed out 98 law enforcement agencies currently use drones, and there were 3,076 reported uses in 2022. The most common reason code was for training or public relations purposes. The second most used reason was during or in the aftermath of an emergency situation that involves the risk of death or bodily harm to a person. Thirdly was to collect information for crash reconstruction purpose or after a serious or deadly collision occurring on a public road.

Mayor Windschitl asked if the drone speeds up the crash reconstruction process. Officer Panning stated he believes it does speed up the process.

Councilmember Huang asked if the drone is more accurate. Officer Panning stated he is unsure if using the drone is more accurate.

Officer Panning noted the drone has cameras that allow for thermal imaging, zoom, live streaming, and subject tracking. Flight time can be up to about 50 minutes. He attempted to play a few news stories about the positive impacts of drones in policing, but there were technical issues.

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Councilmember Hubbard asked if the camera can be replaced without replacing the entire drone. Officer Panning confirmed that was a possibility.

Councilmember Huang asked if officers have completed Federal Aviation Administration (FAA) requirements. Officer Panning stated a few operators have already completed the course and passed the required test.

Councilmember Huang asked if the training is specific for law enforcement or is available to civilians as well. Officer Panning noted the training is the same for both officers and civilians.

Councilmember Huang asked if there is restricted air space for law enforcement to access. Officer Panning stated there is an option to submit an emergency request access to restricted air space. The majority of the City doesn't have restricted air space.

Councilmember Grau asked if an entity can create a restricted air space for a certain event. Officer Panning stated the Police Department would work with the local FAA to ensure access to any air space.

Councilmember Huang asked if the drone would stay in a squad car or at the Police Department. Chief Seibert stated only four officers would be allowed to operate the drone. The drones could either be with the trained officers or at the Department.

Staff played news footage of a drone helping law enforcement find a missing child. Officer Panning noted he would send the videos to the Council so they could access the audio.

Officer Panning also shared a story about successful drone use in New Brighton.

Mayor Windschitl asked if there are lights on the drone. Officer Panning stated the drones have to have its lights on while in use.

Officer Panning explained the drone could be used with a warrant or for situations such as locating missing children or vulnerable adults, water emergencies, disaster response, searching for suspects of crime, community events, training, or assisting other City Departments. He noted the Chaska Police Department recently located a runaway juvenile with the help of Victoria Fire Department's drone. He pointed out the drone won't be used for random surveillance, harassment, personal business, weaponry, biometric technology, or data collection on protests or demonstrations.

Councilmember Grau asked if drones could still be used for public safety efforts during a protest. Chief Seibert confirmed it could be used for public safety as long as data isn't collected and there is a clear nexus between the event and the safety concern.

Councilmember Huang noted the recorded video could violate the data collection requirement. Chief Seibert pointed out there are strict video retention rules.

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Councilmember Grau asked if the drone witnesses a crime, if it would be admissible. Chief Seibert confirmed that is a possibility.

Officer Panning stated the Department will have annual reporting requirements to promote transparency and accountability. Each deployment requires comprehensive documentation. There will be five officers trained to use the drone.

Councilmember Hubbard asked if there will be more officers trained to use the drone. Chief Seibert stated he thinks five should be sufficient, but there is an option to train more if need be.

Officer Panning explained a number of flight restrictions. There is an option to request an emergency waiver. Mayor Windschitl asked how quickly an emergency waiver can be obtained. Officer Panning stated the waiver can be emailed to the regulatory agency.

Officer Panning pointed out Chaska will be the only agency in Carver County with a drone. Chief Seibert stated no other entities in the County are considering a drone.

Officer Panning added there will be a similar process to body-worn cameras to obtain footage. He noted information on the drone is available on the City website.

Councilmember Hatfield asked if other cities have a policy to communicate drone usage such as through Twitter. Officer Panning stated he is unaware of any entity with such a policy. Chief Seibert added certain uses would require public notification, but the communication plan will depend more on public scrutiny.

Councilmember Hubbard stated she thought a drone would be tethered to the new fire truck. City Administrator Podhradsky stated public safety dollars are going toward the drones that can be used across City uses. The tethered camera is extremely limited, so the City is no longer considering the tethered camera.

Mayor Windschitl noted he has seen the Fire Department use a drone. Councilmember Hubbard stated she believes the drone is personally owned and used sparingly by the Fire Department.

Councilmember Huang asked if other City Staff requested use of the drone, if another Department could operate the drone without an officer. Chief Seibert stated the drone would be primarily housed with the Police Department but other Staff could request its use.

Mayor Windschitl asked if the drone will be stored inside. Chief Seibert stated the drone is small enough to be in the field when a trained officer is on duty, and they can find a way to keep it charged. However, it will primarily be stored inside the Department.

10. Approve Previous Meeting Minutes

10.A. Approve the January 22, 2024 City Council Meeting Minutes

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Motion by Councilmember Grau, second by Councilmember Hatfield to approve the minutes of the January 22, 2024 City Council meeting.
Motion carried.

11. Consent Agenda

Motion by Councilmember Hubbard, second by Councilmember Hatfield to approve the Consent Agenda Items B through H:

- A. ~~Appointment of Parks & Recreation Commission Chair and Vice-Chair~~
- B. Adopt Resolution 2024-10 Approving the 2024 Cogeneration and Small Power Production Tariff

Motion to Adopt Resolution No 2024-10 for Cogeneration and Small Production Tariff.

- C. Public Improvements - Harvest West 3rd

Motion to accept public improvements in Harvest West 3rd Addition as municipal facilities and adjust letter of credit accordingly.

- D. Public Improvements - Del Webb 1st Addition

Motion to accept public improvements in Del Webb 1st Addition (Adelwood) as municipal facilities and adjust letter of credit accordingly.

- E. Public Improvements - Del Webb 2nd Addition

Motion to accept public improvements in Del Webb 2nd Addition (Adelwood) as municipal facilities and adjust letter of credit accordingly.

- F. Approve Union Contracts: Police Officers and Sergeants 2024-2025

Motion to approved employment contracts for the 2024-2025 period between the City of Chaska and LELS Local 210, LELS Local 447 and LELS Local 385, with these agreements becoming effective January 1, 2024.

- G. 2024 Pay Classification Plan

Motion to approve the 2024 Pay Classification Plan and 2024 Salary Adjustment Chart.

- H. Adopt Resolution 2024-11 Authorizing Eminent Domain for MN River Bluffs Regional Trail-Chaska Connection

Motion to adopt Resolution No. 2024-11 to authorize city staff to initiate eminent domain proceedings for the affected property owner for the Minnesota River Bluffs Regional Trail – Chaska Connection.

Motion carried.

12. Action Items

12.A. Commission Appointments

City Administrator Podhradsky introduced the item to the Council and summarized the appointment process.

Councilmember Grau noted his appreciation of the diversity of Commission members.

Mayor Windschitl added there has been a lot of growth for student roles on the Commissions. The Commissions are advisory to the Council and are extremely helpful.

Mayor Windschitl read the list of appointments. To the Parks and Recreation Commission for a three-year term, Donelle Heieie, Jason Branch, Karli Wittner, and Kevin Hill will be

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appointed. Also, Samsam Hassan will be appointed as a student Commissioner for a one-year term.

The Planning Commission will have Robert Brass appointed for a three-year term.

The Human Rights Commission will have Sarah Carlson, Martin Hubbard, Hanne Sandison, and Kevin Mee for a three-year term. The first alternate is Brittany Haanan and the second alternate is Yousif Hamza. Also, Juhi Ghatti will be appointed as a student Commissioner for a one-year term.

Motion by Councilmember Huang, second by Councilmember Grau to appoint Commission members with associated term of office as presented.

Councilmember Hubbard pointed out she would abstain from voting on Martin Hubbard's appointment to the Human Rights Commission due to a conflict of interest. However, she was in support of all other appointments.

Motion carried (4-0-1, Councilmember Hubbard abstained from Commissioner Martin Hubbard's appointment only).

12.B. Appointment of Parks & Recreation Commission Chair and Vice-Chair

Motion by Councilmember Hatfield, second by Councilmember Huang to approve Jason Branch as the 2024 Parks & Recreation Commission Chair and Elizabeth Wynveen as the 2024 Parks & Recreation Commission Vice-Chairperson.

Motion carried.

13. Bills

13.A. Accounts Payable Claims Roster 5-2-2024

The Council requested further information about bills on pages 2, 11, 17, and 4.

City Administrator Podhradsky provided further information regarding those bills.

Motion by Councilmember Huang, second by Councilmember Grau to approve the bills as presented. Roll call was taken. Voting aye: Councilmembers Hatfield, Hubbard, Huang, Grau and Mayor Windschitl. Voting nay: None
Motion carried.

14. Other Business

14.A. City Administrator's Report

14.A.i. Bi-Weekly Report 5-2-2024

Councilmember Huang:

- Noted the Fireman's Fishing Contest was held the previous weekend and had a great turnout despite the lack of ice fishing.
- Stated there is a benefit soiree at Hazeltine on February 12, 2024 hosted by 112 Gives!.

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- Added an open community meeting will be held for River City Days to receive feedback and seek out volunteers. The meeting is February 18, 2024.
- Pointed out May 5, 2024 is the grand opening for The Loop.
- Chaska Community Center has a carnival on March 1, 2024 to generate funds for a scholarship.

Councilmember Hubbard:

- Agreed the Fireman's Fishing Contest was a great event.
- Stated on February 7, 2024 there will be a 101st birthday celebration for the library.
- Noted on February 10, 2024 there is the Polar Plunge in Waconia.
- Added there is a Sweetheart's Dance on February 16, 2024.

Councilmember Hatfield:

- Attended an event called Soggy Bottoms to support a local firefighter.
- Met with new library branch manager and discussed the future of the library.
- Recognized Black History Month.
- Noted food distribution is February 15, 2024, and there is Coffee with a Cop.
- Added Safety Camp is in June 2024.
- Stated school district staff will be hosting conversations on the morning of February 8, 2024 at Red Bench.

Councilmember Grau:

- Recognized Black History Month.
- Wished a Happy Birthday to his youngest child.

City Administrator Podhradsky:

- Pointed out the nearby ash tree removal in the City Hall parking lot will be done sooner than anticipated due to the weather.

Mayor Windschitl:

- Noted the next meeting is February 26, 2024.
- Pointed out the ice rinks have melted.
- Stated April 24, 2024 is a First Responder's Luncheon.
- Added there is a coming Council retreat.

15. Adjourn

Motion by Councilmember Hubbard, second by Councilmember Huang to adjourn the meeting at 8:37 p.m.

Motion carried.

REQUEST FOR ACTION CHASKA CITY COUNCIL 2/26/2024

Subject: Approve appointment of Human Rights Commission Chair and Vice-Chair

Prepared By: Elise Durbin, Assistant City Administrator

BACKGROUND

City Ordinance states that the City Council is to appoint the Chairperson and Vice-Chairperson for the Human Rights Commission. The Council has historically relied on the members of the Human Rights Commission to recommend individuals for these two positions in order to make the appointments. On February 22, 2024, the Human Rights Commission voted to recommend Sarah Carlson as Chairperson and Jennifer Welvaert as Vice-Chairperson. The Human Rights Commission seeks Council approval of its recommendation.

CITY COUNCIL ACTION REQUESTED:

Motion to appoint Sarah Carlson to serve as Chairperson of the Human Rights Commission and appoint Jennifer Welvaert to serve as Vice-Chairperson of the Human Rights Commission for the calendar year 2024.

REQUEST FOR ACTION
CHASKA PLANNING COMMISSION
02/26/2024

Subject: Appointment of Planning Commission Chair and Vice-Chair

Prepared By: Nate Kabat

BACKGROUND

Chaska Ordinance states that the City Council shall annually appoint the Planning Commission Chairperson and Vice-Chair. By practice, the City Council has sought a recommendation from the Planning Commission for the annual appointment.

Rob Brass is the current Chair and was originally appointed to that role by City Council on June 20, 2022 per the Planning Commission's recommendation following the resignation of previous Chair Brian Dahlke.

Todd Urbanski is the current Vice-Chair and was appointed by City Council on February 27, 2023 per the Planning Commission's recommendation on February 8, 2023.

At its meeting on February 14, 2024, the Planning Commission made a motion to recommend Rob Brass continue to serve as Chairperson of the Planning Commission and to recommend Todd Urbanski continue to serve as Vice-Chairperson of the Planning Commission for calendar year 2024.

CITY COUNCIL ACTION REQUESTED:

Motion to appoint Rob Brass to serve as Chairperson of the Planning Commission and Todd Urbanski as Vice-Chairperson of the Planning Commission for calendar year 2024.

REQUEST FOR ACTION CHASKA CITY COUNCIL 02/26/24

Reviewed by Noel Graczyk

Prepared by Erica Mattice

Background

Currently, the City has a five-year proposal with MMKR, an independent accounting firm, to perform an annual audit of the City as required by State Statute. The audit for the 2023 fiscal year is the fifth and final year under the current proposal by MMKR. Each year as part of the annual audit, the City approves an Audit Engagement Letter with MMKR that outlines the understanding of services to be provided by the auditor. Attached is a proposed Audit Engagement Letter with MMKR dated February 1, 2024 to audit the 2023 fiscal year ending December 31, 2023. This letter addresses the following components of the audit.

- Audit scope and objectives
- Auditor's responsibilities for the audit of the financial statements
- Audit procedures for internal controls and compliance
- Responsibilities of City Management for financial statements
- Audit engagement administration
- Other audit items to be addressed (e.g. Federal Single Audit)

Both the City and MMKR anticipate that a Federal Single Audit will be needed as part of the annual audit for 2023. The proposed fee for the 2023 audit is \$54,385 and includes fees and expenses. This fee is not indicative of the cost of the Federal Single Audit as that rate is anticipated to vary based on compliance requirements of the federal funds.

Update

As part of the annual audit process, MMKR requires that an Audit Engagement Letter be reviewed and approved by the City Council.

Recommendation

Staff recommends that the proposed Audit Engagement Letter to audit the 2023 fiscal year be approved by the City Council and that the Mayor as a Council representative and City Administrator as a Management representative be authorized to sign the letter.

CITY COUNCIL ACTION REQUESTED

Motion to approve the 2023 Audit Engagement Letter with MMKR dated February 1, 2024, and authorize the Mayor and City Administrator to sign the Audit Engagement Letter.



PRINCIPALS

Thomas A. Karnowski, CPA
Paul A. Radosevich, CPA
William J. Lauer, CPA
James H. Eichten, CPA
Aaron J. Nielsen, CPA
Victoria L. Holinka, CPA/CMA
Jaclyn M. Huegel, CPA
Kalen T. Karnowski, CPA

February 2, 2024

To the City Council and Management
of the City of Chaska
One City Hall Plaza
Chaska, MN 55318-1962

Dear Councilmembers and Management:

We are pleased to confirm our understanding of the services we are to provide for the City of Chaska (the City) for the year ended December 31, 2023.

Audit Scope and Objectives

We will audit the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information, including the disclosures, which collectively comprise the basic financial statements, of the City as of and for the year ended December 31, 2023. Accounting standards generally accepted in the United States of America (GAAP) provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement the City's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board (GASB), who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to the City's RSI in accordance with auditing standards generally accepted in the United States of America (GAAS). These limited procedures will consist 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 will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient appropriate evidence to express an opinion or provide any assurance. The following RSI is required by GAAP and will be subjected to certain limited procedures, but will not be audited:

- 1) MD&A
- 2) GASB-required pension and other post-employment benefits information

We have also been engaged to report on supplementary information other than RSI that accompanies the City's financial statements. We will subject the following supplementary information to the auditing procedures applied in our audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS, and we will provide an opinion on it in relation to the financial statements as a whole in a separate written report accompanying our auditor's report on the financial statements OR in a report combined with our auditor's report on the financial statements:

- 1) Schedule of Expenditures of Federal Awards
- 2) Combining and individual fund statements and schedules

Malloy, Montague, Karnowski, Radosevich & Co., P.A.

5353 Wayzata Boulevard • Suite 410 • Minneapolis, MN 55416 • Phone: 952-545-0424 • Fax: 952-545-0569 • www.mmkr.com

In connection with our audit of the basic financial statements, we will read the following other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

- 1) Introductory information
- 2) Statistical section

We will perform the required State Legal Compliance Audit conducted in accordance with auditing standards generally accepted in the United States of America and the provisions of the *Legal Compliance Audit Guide*, promulgated by the State Auditor pursuant to Minnesota Statutes § 6.65, and will include such tests of the accounting records and other procedures we consider necessary to enable us to conclude that, for the items tested, the City has complied with the material terms and conditions of applicable legal provisions.

We will also prepare a management report for the City Council and administration. This report will communicate such things as our concerns regarding accounting procedures or policies brought to our attention during our audit, along with recommendations for improvements. The report may also contain certain financial comparisons and analysis, and other information of interest.

The objectives of our audit are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and issue an auditor's report that includes our opinions about whether your financial statements are fairly presented, in all material respects, in conformity with GAAP, and report on the fairness of the supplementary information referred to on the previous page when considered in relation to the financial statements as whole. Reasonable assurance is a high level of assurance, but is not absolute assurance and, therefore, is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. Misstatements, including omissions, can arise from fraud or error and are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment of a reasonable user made based on the financial statements. The objectives also include reporting on:

- Internal control over financial reporting and compliance with provisions of laws, regulations, contracts, and award agreements, noncompliance with which could have a material effect on the financial statements in accordance with *Government Auditing Standards*.
- Internal control over compliance related to major programs and an opinion (or disclaimer of opinion) on compliance with federal statutes, regulations, and the terms and conditions of federal awards that could have a direct and material effect on each major program in accordance with the Single Audit Act Amendments of 1996 and Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

Auditor's Responsibilities for the Audit of the Financial Statements and Single Audit

We will conduct our audit in accordance with GAAS; the standards for financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; the Single Audit Act Amendments of 1996; and the provisions of the Uniform Guidance, and will include tests of accounting records, a determination of major program(s) in accordance with the Uniform Guidance, and other procedures we consider necessary to enable us to express such opinions. As part of an audit in accordance with GAAS and *Government Auditing Standards*, we exercise professional judgment and maintain professional skepticism throughout the audit.

We will evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management. We will also evaluate the overall presentation of the financial statements, including the disclosures, and determine whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation. We will plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the government or to acts by management or employees acting on behalf of the government. Because the determination of waste and abuse is subjective, *Government Auditing Standards* do not expect auditors to perform specific procedures to detect waste or abuse in financial audits nor do they expect auditors to provide reasonable assurance of detecting waste or abuse.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, there is an unavoidable risk that some material misstatements or noncompliance may not be detected by us, even though the audit is properly planned and performed in accordance with GAAS and *Government Auditing Standards*. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements or on major programs. However, we will inform the appropriate level of management of any material errors, any fraudulent financial reporting, or misappropriation of assets that come to our attention. We will also inform the appropriate level of management of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential. We will include such matters in the reports required for a Single Audit. Our responsibility as auditors is limited to the period covered by our audit and does not extend to any later periods for which we are not engaged as auditors.

We will also conclude, based on the audit evidence obtained, whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the government's ability to continue as a going concern for a reasonable period of time.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts; and may include tests of the physical existence of inventories, and direct confirmation of receivables and certain assets and liabilities by correspondence with selected individuals, funding sources, creditors, and financial institutions. We will also request written representations from your attorneys as part of the engagement.

We have identified the following significant risk(s) of material misstatement as part of our audit planning:

- 1) Management override of controls
- 2) Revenue recognition
- 3) Constructed capital asset additions

At this time, audit planning has not concluded and modifications may be made to significant risks of material misstatement. If modifications are made, we will communicate them to you.

We may, from time to time and depending on the circumstances, use third party service providers in serving your account. We may share confidential information about you with these service providers but remain committed to maintaining the confidentiality and security of your information. Accordingly, we maintain internal policies, procedures, and safeguards to protect the confidentiality of your personal information. In addition, we will secure confidentiality agreements with all service providers to maintain the confidentiality of your information and we will take reasonable precautions to determine that they have appropriate procedures in place to prevent the unauthorized release of your confidential information to others. In the event that we are unable to secure an appropriate confidentiality agreement, you will be asked to provide your consent prior to the sharing of your confidential information with the third party service provider. Furthermore, we will remain responsible for the work provided by any such third party service providers.

Our audit of financial statements does not relieve you of your responsibilities.

Audit Procedures – Internal Control

We will obtain an understanding of the government and its environment, including the system of internal control, sufficient to identify and assess the risks of material misstatement of the financial statements, whether due to error or fraud, and to design and perform audit procedures responsive to those risks and obtain evidence that is sufficient and appropriate to provide a basis for our opinions. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentation, or the override of internal control. Tests of controls may be performed to test the effectiveness of certain controls that we consider relevant to preventing and detecting errors and fraud that are material to the financial statements and to preventing and detecting misstatements resulting from illegal acts and other noncompliance matters that have a direct and material effect on the financial statements. Our tests, if performed, will be less in scope than would be necessary to render an opinion on internal control and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to *Government Auditing Standards*.

As required by the Uniform Guidance, we will perform tests of controls over compliance to evaluate the effectiveness of the design and operation of controls that we consider relevant to preventing or detecting material noncompliance with compliance requirements applicable to each major federal award program. However, our tests will be less in scope than would be necessary to render an opinion on those controls and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to the Uniform Guidance.

An audit is not designed to provide assurance on internal control or to identify significant deficiencies or material weaknesses. Accordingly, we will express no such opinion. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under American Institute of Certified Public Accountants (AICPA) professional standards, *Government Auditing Standards*, and the Uniform Guidance.

Audit Procedures – Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of the City's compliance with provisions of applicable laws, regulations, contracts, and agreements, including grant agreements. However, the objective of those procedures will not be to provide an opinion on overall compliance, and we will not express such an opinion in our report on compliance issued pursuant to *Government Auditing Standards*.

The Uniform Guidance requires that we also plan and perform the audit to obtain reasonable assurance about whether the auditee has complied with federal statutes, regulations, and the terms and conditions of federal awards applicable to major programs. Our procedures will consist of tests of transactions and other applicable procedures described in the U.S. Office of Management and Budget *Compliance Supplement* for the types of compliance requirements that could have a direct and material effect on each of the City's major programs. For federal programs that are included in the *Compliance Supplement*, our compliance and internal control procedures will relate to the compliance requirements that the *Compliance Supplement* identifies as being subject to audit. The purpose of these procedures will be to express an opinion on the City's compliance with requirements applicable to each of its major programs in our report on compliance issued pursuant to the Uniform Guidance.

Other Services

We will also assist in preparing the financial statements, Schedule of Expenditures of Federal Awards, and related notes of the City in conformity with GAAP and the Uniform Guidance based on information provided by you. These nonaudit services do not constitute an audit under *Government Auditing Standards* and such services will not be conducted in accordance with *Government Auditing Standards*. We will perform the services in accordance with applicable professional standards. The other services are limited to the financial statements, Schedule of Expenditures of Federal Awards, and related notes as previously defined. We, in our sole professional judgment, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming management responsibilities.

You agree to assume all management responsibilities for the financial statements, Schedule of Expenditures of Federal Awards, and related notes, and any other nonaudit services we provide. You will be required to acknowledge in the management representation letter our assistance with preparation of the financial statements, the Schedule of Expenditures of Federal Awards, and related notes and that you have reviewed and approved the financial statements, the Schedule of Expenditures of Federal Awards, and related notes prior to their issuance and have accepted responsibility for them. Further, you agree to oversee the nonaudit services by designating an individual, preferably from senior management, with suitable skill, knowledge, or experience; evaluate the adequacy and results of those services; and accept responsibility for them.

Responsibilities of Management for the Financial Statements and Single Audit

Our audit will be conducted on the basis that you acknowledge and understand your responsibility for (1) designing, implementing, establishing, and maintaining effective internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error, including internal controls over federal awards, and for evaluating and monitoring ongoing activities to help ensure that appropriate goals and objectives are met; (2) following laws and regulations; (3) ensuring that there is reasonable assurance that government programs are administered in compliance with compliance requirements; and (4) ensuring that management and financial information is reliable and properly reported. Management is also responsible for implementing systems designed to achieve compliance with applicable laws, regulations, contracts, and grant agreements. You are also responsible for the selection and application of accounting principles; for the preparation and fair presentation of the financial statements, Schedule of Expenditures of Federal Awards, and all accompanying information in conformity with GAAP; and for compliance with applicable laws and regulations (including federal statutes), rules, and the provisions of contracts and grant agreements (including award agreements). Your responsibilities also include identifying significant contractor relationships in which the contractor has responsibility for program compliance and for the accuracy and completeness of that information.

You are also responsible for making drafts of financial statements, Schedule of Expenditures of Federal Awards, all financial records, and related information available to us and for the accuracy and completeness of that information (including information from outside of the general and subsidiary ledgers). You are also responsible for providing us with (1) access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation, identification of all related parties and all related-party relationships and transactions, and other matters; (2) access to personnel, accounts, books, records, supporting documentation, and other information as needed to perform an audit under the Uniform Guidance; (3) additional information that we may request for the purpose of the audit; and (4) unrestricted access to persons within the government from whom we determine it necessary to obtain audit evidence. At the conclusion of our audit, we will require certain written representations from you about the financial statements; Schedule of Expenditures of Federal Awards; federal award programs; compliance with laws, regulations, contracts, and grant agreements; and related matters.

Your responsibilities include adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements of each opinion unit taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, grantors, regulators, or others. In addition, you are responsible for identifying and ensuring that the government complies with applicable laws, regulations, contracts, agreements, and grants. You are also responsible for taking timely and appropriate steps to remedy fraud and noncompliance with provisions of laws, regulations, contracts, and grant agreements that we report. Additionally, as required by the Uniform Guidance, it is management's responsibility to evaluate and monitor noncompliance with federal statutes, regulations, and the terms and conditions of federal awards; take prompt action when instances of noncompliance are identified, including noncompliance identified in audit findings; promptly follow up and take corrective action on reported audit findings; and prepare a summary schedule of prior audit findings and a separate corrective action plan. The summary schedule of prior audit findings should be available for our review at the scheduled time of our audit.

You are responsible for identifying all federal awards received and understanding and complying with the compliance requirements and for the preparation of the Schedule of Expenditures of Federal Awards (including notes and noncash assistance received, and COVID-19-related concepts, such as lost revenues, if applicable) in conformity with the Uniform Guidance. You agree to include our report on the Schedule of Expenditures of Federal Awards in any document that contains, and indicates that we have reported on, the Schedule of Expenditures of Federal Awards. You also agree to include the audited financial statements with any presentation of the Schedule of Expenditures of Federal Awards that includes our report thereon OR make the audited financial statements readily available to intended users of the Schedule of Expenditures of Federal Awards no later than the date the Schedule of Expenditures of Federal Awards is issued with our report thereon. Your responsibilities include acknowledging to us in the written representation letter that (1) you are responsible for presentation of the Schedule of Expenditures of Federal Awards in accordance with the Uniform Guidance; (2) you believe the Schedule of Expenditures of Federal Awards, including its form and content, is stated fairly in accordance with the Uniform Guidance; (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the Schedule of Expenditures of Federal Awards.

You are also responsible for the preparation of the other supplementary information, which we have been engaged to report on, in conformity with GAAP. You agree to include our report on the supplementary information in any document that contains, and indicates that we have reported on, the supplementary information. You also agree to include the audited financial statements with any presentation of the supplementary information that includes our report thereon OR make the audited financial statements readily available to users of the supplementary information no later than the date the supplementary information is issued with our report thereon. Your responsibilities include acknowledging to us in the written representation letter that (1) you are responsible for presentation of the supplementary information in accordance with GAAP; (2) you believe the supplementary information, including its form and content, is fairly presented in accordance with GAAP; (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the supplementary information.

Management is responsible for establishing and maintaining a process for tracking the status of audit findings and recommendations. Management is also responsible for identifying and providing report copies of previous financial audits, attestation engagements, performance audits, or other studies related to the objectives discussed in the Audit Scope and Objectives section of this letter. This responsibility includes relaying to us corrective actions taken to address significant findings and recommendations resulting from those audits, attestation engagements, performance audits, or studies. You are also responsible for providing management's views on our current findings, conclusions, and recommendations, as well as your planned corrective actions for the report, and for the timing and format for providing that information.

Engagement Administration, Fees, and Other

We understand that your employees will prepare all cash, accounts receivable, or other confirmations we request and will locate any documents selected by us for testing.

At the conclusion of the engagement, we will complete the appropriate sections of the Data Collection Form that summarizes our audit findings. It is management's responsibility to electronically submit the reporting package (including financial statements, Schedule of Expenditures of Federal Awards, summary schedule of prior audit findings, auditor's reports, and corrective action plan) along with the Data Collection Form to the Federal Audit Clearinghouse. We will coordinate with you the electronic submission and certification. The Data Collection Form and the reporting package must be submitted within the earlier of 30 calendar days after receipt of the auditor's reports or 9 months after the end of the audit period.

We will provide copies of our reports to the City; however, management is responsible for distribution of the reports and the financial statements. Unless restricted by law or regulation, or containing privileged and confidential information, copies of our reports are to be made available for public inspection.

The audit documentation for this engagement is the property of Malloy, Montague, Karnowski, Radosevich & Co., P.A. (MMKR) and constitutes confidential information. However, subject to applicable laws and regulations, audit documentation and appropriate individuals will be made available upon request and in a timely manner to a regulatory agency or its designee, a federal agency providing direct or indirect funding, or the U.S. Government Accountability Office for purposes of a quality review of the audit, to resolve audit findings, or to carry out oversight responsibilities. We will notify you of any such request. If requested, access to such audit documentation will be provided under the supervision of MMKR personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties. These parties may intend, or decide, to distribute the copies or information contained therein to others, including other governmental agencies.

The audit documentation for this engagement will be retained for a minimum of six years after the report release date or for any additional period requested by the regulatory agency. If we are aware that a federal awarding agency, pass-through entity, or auditee is contesting an audit finding, we will contact the party(ies) contesting the audit finding for guidance prior to destroying the audit documentation.

Jaclyn M. Huegel, CPA, is the engagement partner and is responsible for supervising the engagement and signing the reports or authorizing another individual to sign them. We expect to begin our audit shortly after the end of the fiscal year and have a goal to issue the reports no later than June 30, 2024.

Our fee for these services will be at our standard hourly rates plus out-of-pocket costs (such as report reproduction, word processing, postage, travel, copies, telephone, confirmation service provider fees, etc.) except that we agree that our gross fee, including expenses, will not exceed \$54,385 plus Single Audit costs. Our standard hourly rates vary according to the degree of responsibility involved and the experience level of the personnel assigned to your audit. Our invoices for these fees will be rendered each month as work progresses and are payable on presentation.

In accordance with our firm policies, work may be suspended if your account becomes 60 days or more overdue and may not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report(s). You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination.

These fees are based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If we find that additional audit procedures are required, or if additional services are requested by the City, those services will be billed at our standard hourly rates. Additional audit procedures might be required for certain accounting issues or events, such as new contractual agreements, transactions and legal requirements of new bond issues, new funds, major capital projects, new tax increment districts, if there is an indication of misappropriation or misuse of public funds, or if significant difficulties are encountered due to the lack of accounting records, incomplete records, or turnover in the City's staff. If significant additional time is necessary, we will keep you informed of any problems we encounter and our fees will be adjusted accordingly. If significant additional time is necessary, we will keep you informed of any problems we encounter and our fees will be adjusted accordingly.

Our audit engagement ends on delivery of our audit report. Any follow-up services that might be required will be a separate, new engagement. The terms and conditions of that new engagement will be governed by a new, specific engagement letter for that service.

With regard to the electronic dissemination of audited financial statements, including financial statements published electronically on your website, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

If you intend to publish or otherwise reproduce the financial statements, such as in a bond statement, and make reference to our firm name, you agree to provide us with printers' proofs or masters for our review and approval before printing. You also agree to provide us with a copy of the final reproduced material for our approval before it is distributed.

During the year, you might request additional services, such as routine advice, assistance in implementing audit recommendations, review of your projections or budgets, and other similar projects. Independence standards allow us to perform these routine services; however, it is important that you understand that we are not allowed to make management decisions, perform management functions, nor can we audit our own work or provide nonaudit services that are significant to the subject matter of the audit.

In connection with this engagement, we may communicate with you or others via email transmission. As emails can be intercepted and read, disclosed, or otherwise used or communicated by an unintended third party, or may not be delivered to each of the parties to whom they are directed and only to such parties, we cannot guarantee or warrant that emails from us will be properly delivered and read only by the addressee. Therefore, we specifically disclaim and waive any liability or responsibility whatsoever for interception or unintentional disclosure of emails transmitted by us in connection with the performance of this engagement. In that regard, you agree that we shall have no liability for any loss or damage to any person or entity resulting from the use of email transmissions, including any consequential, incidental, direct, indirect, or special damages, such as loss of revenues or anticipated profits, or disclosure or communication of confidential or proprietary information.

ShareFile is used solely as a method of exchanging information and is not intended to store the City's information. At the end of the engagement, MMKR will provide the City with a copy (in an agreed-upon format) of deliverables and data related to the engagement. Upon completion of the engagement, data and other content will either be removed from ShareFile or become unavailable to MMKR within a reasonable time frame.

To ensure that MMKR's independence is not impaired under the AICPA Code of Professional Conduct, you agree to inform the engagement partner before entering into any substantive employment discussions with any of our personnel.

If a dispute occurs related in any way to our services, our firm and the City agree to discuss the dispute and, if necessary, to promptly mediate in a good faith effort to resolve it. We will agree on a mediator, but if we cannot, either of us may apply to a court having personal jurisdiction over the parties for appointment of a mediator. We will share the mediator's fees and expenses equally, but otherwise will bear our own attorney fees and costs of the mediation. Participation in such mediation shall be a condition to either of us initiating litigation. To allow time for the mediation, any applicable statute of limitations shall be tolled for a period not to exceed 120 days from the date either of us first requests in writing to mediate the dispute.

The mediation shall be confidential in all respects, as allowed or required by law, except that our final settlement positions at mediation shall be admissible in litigation solely to determine the identity of the prevailing party for purposes of the awarding of attorney fees.

We both recognize the importance of performing our obligations under this agreement in a timely way and fully cooperating with the other. In the event that either of us fails to timely perform or fully cooperate, the other party may, in its sole discretion, elect to suspend performance or terminate the agreement regardless of the prejudice to the other person. We agree we will give 10 days' written notice of an intent to suspend or terminate, specifying the grounds for our decision, and will give the other an opportunity to cure the circumstances cited as grounds for that decision. In the event of suspension or termination, all fees and costs are immediately due on billing.

We agree that it is important that disputes be discussed and resolved promptly. For that reason, we agree that, notwithstanding any other statutes of limitations or court decisions concerning them, all claims either of us may have will be barred unless brought within one year of the date the complaining party first incurs any damage of any kind, whether discovered or not, related in any way to acts or omissions of the other party, whether or not the complaining party seeks recovery for that first damage and whether or not we have continued to maintain a business relationship after the first damage occurred. Notwithstanding anything in this letter to the contrary we agree that regardless of where the City is located, or where this agreement is physically signed, this agreement shall have been deemed to have been entered into at our office in Hennepin County, Minnesota, and Hennepin County shall be the exclusive venue and jurisdiction for resolving disputes related to this agreement. This agreement shall be interpreted and governed under the laws of Minnesota.

Reporting

We will issue written reports upon completion of our Single Audit. Our reports will be addressed to the City Council and Management of the City. Circumstances may arise in which our report may differ from its expected form and content based on the results of our audit. Depending on the nature of these circumstances, it may be necessary for us to modify our opinions, add a separate section, or add an emphasis-of-matter or other-matter paragraph to our auditor's report, or if necessary, withdraw from this engagement. If our opinions are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or issue reports, or we may withdraw from this engagement.

The *Government Auditing Standards* report on internal control over financial reporting and on compliance and other matters will state that (1) the purpose of the report is solely to describe the scope of testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance, and (2) the report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the City's internal control and compliance. The Uniform Guidance report on internal control over compliance will state that the purpose of the report on internal control over compliance is solely to describe the scope of testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Both reports will state that the report is not suitable for any other purpose.

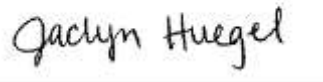
We will also provide a report (that does not include an opinion) on the City's compliance with applicable provisions of the *Minnesota Legal Compliance Audit Guide*, promulgated by the State Auditor pursuant to Minnesota Statutes § 6.65. The report will state (1) whether, in connection with our audit, anything came to our attention that caused us to believe that the City failed to comply with the applicable provisions of the *Minnesota Legal Compliance Audit Guide*, insofar as they relate to accounting matters, and (2) that the purpose of the 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. The report will also state that the report is not suitable for any other purpose.

When requested, *Government Auditing Standards* require that we provide you with a copy of our most recent external peer review report and any letter of comment, and any subsequent peer review reports and letters of comment received during the period of the contract. Our most recent peer review report accompanies this letter.

We appreciate the opportunity to be of service to the City and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign where indicated and email it to mmkr@mmkr.com.

Sincerely,

MALLOY, MONTAGUE, KARNOWSKI, RADOSEVICH & CO., P.A.



Jaclyn M. Huegel, CPA
Principal

JMH:lmb

RESPONSE:

This letter correctly sets forth the understanding of the City of Chaska.

.

City Council Representative

By: _____

Title: _____

Date: _____

City Management Representative

By: _____

Title: _____

Date: _____



Report on the Firm's System of Quality Control

To the Principals of Malloy, Montague, Karnowski, Radosevich & Co., P.A. and the
Peer Review Committee of the Minnesota Society of CPAs

We have reviewed the system of quality control for the accounting and auditing practice of Malloy, Montague, Karnowski, Radosevich & Co., P.A. (the firm) in effect for the year ended May 31, 2022. Our peer review was conducted in accordance with the Standards for Performing and Reporting on Peer Reviews established by the Peer Review Board of the American Institute of Certified Public Accountants (Standards).

A summary of the nature, objectives, scope, limitations of, and the procedures performed in a system review as described in the Standards may be found at www.aicpa.org/prsummary. The summary also includes an explanation of how engagements identified as not performed or reported on in conformity with applicable professional standards, if any, are evaluated by a peer reviewer to determine a peer review rating.

Firm's Responsibility

The firm is responsible for designing and complying with a system of quality control to provide the firm with reasonable assurance of performing and reporting in conformity with the requirements of applicable professional standards in all material respects. The firm is also responsible for evaluating actions to promptly remediate engagements deemed as not performed or reported on in conformity with the requirements of applicable professional standards, when appropriate, and for remediating weaknesses in its system of quality control, if any.

Peer Reviewer's Responsibility

Our responsibility is to express an opinion on the design of and compliance with the firm's system of quality control based on our review.

Required Selections and Considerations

Engagements selected for review included engagements performed under *Government Auditing Standards*, including compliance audits under the Single Audit Act and an audit of an employee benefit plan.

As part of our peer review, we considered reviews by regulatory entities as communicated by the firm, if applicable, in determining the nature and extent of our procedures.

Opinion

In our opinion, the system of quality control for the accounting and auditing practice of Malloy, Montague, Karnowski, Radosevich & Co., P.A. in effect for the year ended May 31, 2022 has been suitably designed and complied with to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. Firms can receive a rating of *pass*, *pass with deficiency(ies)* or *fail*. Malloy, Montague, Karnowski, Radosevich & Co., P.A. has received a peer review rating of *pass*.

Kerber Rose SC
September 29, 2022

REQUEST FOR ACTION CHASKA CITY COUNCIL 2/26/2024

Subject: Consider City Administrator Performance Based Salary Adjustment

Prepared By: Elise Durbin, Assistant City Administrator

Background

The last performance review for the City Administrator, Matt Podhradsky, was March 2023. As a result of the review, City Council established a set of updated goals and adjusted his salary.

Update

The City Council met in a closed work session on February 5, 2024 to discuss Matt's performance over the last year, and also to discuss new goals for the upcoming year. In addition, the City Council was provided the following summary of the current compensation package for the City Administrator position.

Analysis

The current compensation package is:

2023 Salary	\$181,400
Personal Leave	31 days per year
Medical Insurance	100% paid by City
Car Allowance	\$500 per month (\$6000 annually)
Cell Phone Allowance	\$80 per month (\$960 annually)
<i>*All other benefits are consistent with the City's personnel policy</i>	

Presently, the Administrator's salary falls within Zone B of the City's 2024 Pay Classification Plan. The 2024 Pay Classification was approved by City Council in February 2024.

As a result of the closed work session, Council directed staff to increase the City Administrator's pay by 4.5% as a performance adjustment. This increase will result in a 2024 salary of \$189,563.

Goals

As part of the review discussion, the following 2024 goals were presented to the City Council. These goals will guide priorities for the City Administrator for the next year and will be evaluated at his next review.

1. Continue work to implement the City Square West redevelopment project, with the goal of trying to fill funding gaps in the project through means such as the State of Minnesota's Bonding Bill.

2. Work to have the CCC Master Plan adopted by the Council. Once adopted, work in conjunction with the Park and Recreation Director to develop options for funding and phasing of the project based on the desired objectives and priorities of the City Council.
3. Continue the work of implementing our City's Building Improvement Program, including helping to guide the successful construction of our Public Safety Facility, educating the public on the 3rd phase of funding for our program, and start work on looking at how best to implement work on our Municipal Service Building, which is the second priority building in our program.
4. Work to complete the master plan for the new Southwest Chaska Community Park, including developing plans for how to grade and construct the project, develop estimated pricing for the park plans, and develop a funding strategy to be able to move forward with the first phase of construction of the park in the Summer of 2025.
5. Continue the on-going work in the organization and the community in developing strategies to make this a welcoming/inclusive City for all, with the goal of making this a permanent cultural change within our organization.
6. With the sewer infrastructure now in place, move forward to work with developers and landowners on the property at the Northwest corner of Highway 212/44 to plan for the development of this property for Corporate/Industrial uses, with the goal of trying to have development of the site for end users moving forward in the summer of 2025.
7. Work with the Downtown Business community to complete the remaining work on the Highway 41 project (landscaping, parking, and paseo work) while completing the work in as expeditious manner as possible to create as little disruption of the businesses as possible. In addition to this, work to construct the regional trail connection along the old railroad tracks through Downtown Chaska.
8. Continue to work with Cloud HQ Data Center to help them get to a point where they can move forward with construction of their Data Center on the Kelzer development site.
9. Work on succession planning within Administration and other departments.
10. Continue to work to proactively communicate to the community on city initiatives.

Conclusion

Based upon feedback received at the closed work session review on February 5, 2024, staff recommends that the City Council approve a 4.5% performance pay increase retroactive to January 1, 2024 and approve this year's goals for the City Administrator.

CITY COUNCIL ACTION REQUESTED

Motion to approve administrator goals for 2024 and adjust the City Administrator's annual salary with a 4.5% performance increase retroactive to January 1, 2024.

REQUEST FOR ACTION CHASKA CITY COUNCIL 2/26/2024

Subject: Massage Business Application – Kristine Loeffelbein

Prepared By: Denise Beebe, Senior Clerk

Kristine Loeffelbein has requested to open a Massage Therapy business called Kristine Loeffelbein Massage Therapy located within the Natural Point Wellness Facility at 546 Bavaria Lane, Chaska. The storefront will be leased from Drazan Henke, CPA Investments LLC., 544 Bavaria Lane, Chaska. Ms. Loeffelbein, of 3000 N. Chestnut #116, Chaska, Mn. 55318 has a current individual massage license obtained when listing Natural Point Wellness as her working location. Ms. Loeffelbein has since decided to lease her own space at the location which requires her to purchase a business license.

Each massage therapist working at a massage business is required to fill out an individual massage therapy application. Fees for the applications are:

- \$500.00 Investigation Fee for the New Business
- \$300.00 Annual Business Fee
- \$112 Individual Massage Therapist Fee

Ms. Loeffelbein has paid the investigation fee, has her individual massage licenses and if approved, will pay the annual business fee.

Per Chapter 5 of the Code of Ordinances, the business owner must go through a thorough background check. The initial background check was completed on January 11, 2024. Upon review of the background check by the Police, Administration, and the City Attorney, additional follow-up information on the applicants' background was requested. The Police Department has completed their additional investigation of her business application. The findings from the additional investigation have been reviewed with the City Attorney and nothing in our Code of Ordinance prevents Ms. Loeffelbein from receiving her business license. Staff is recommending approval of the business license.

CITY COUNCIL ACTION REQUESTED

Motion to approve a Massage Therapy Business License No. MTB. 24-05 for Kristine Loeffelbein as Kristine Loeffelbein Massage Therapy, located at 546 Bavaria Lane, Chaska, Minnesota.

REQUEST FOR ACTION

CHASKA CITY COUNCIL

02/26/2024

Subject: Resolution Accepting Mass Grading Improvements to Chaska Club West Industrial Property and Adjacent Property

Prepared By: Nate Kabat, Community Development Director on behalf of Matt Clark, City Engineer

BACKGROUND

The final plat for Chaska Club West Industrial was approved by the City Council on May 16, 2022. The final plat includes Lot 1, Block 1, approved for a 177,675 SF industrial building, Outlot C which is intended for right of way needed for the extension of Chaska Creek Boulevard to the south, Outlot B which is intended for stormwater capture for the collector road system in SW Chaska, and Outlot A which is open space to be owned by the current property owner. At the time of final plat approval, staff discussed the City's need to negotiate acquisition of Outlots B and C.

On October 17, 2022, Council authorized a purchase agreement, which included Outlots B and C, with Club West Partners, LLC. The purchase agreement was amended and restated on October 16, 2023 which included provisions for Club West to perform mass grading on the property along with a \$225,000 escrow to support performance of that work.

UPDATE

Club West has performed the mass grading on the site and has notified the City Engineer of the work's completion. At the direction of the City Engineer, Stantec has inspected the improvements and has provided a report summarizing their findings. Based on the inspection report, the City Engineer has determined that the grading improvements are fully completed and are acceptable subject to the "punch list" items listed in the Stantec Report, which Club West has agreed to finish no later than May 15, 2024.

RECOMMENDATION

Based on the findings contained in the report prepared by Stantec and the City Engineer's review, staff recommends that the City Council adopt the attached resolution to accept the grading improvements, directing the City Engineer to request distribution of the earnest money to Club West per the purchase agreement and directing that the punch list items be completed no later than May 15, 2024.

CITY COUNCIL ACTION REQUESTED

Motion to adopt Resolution 2024-12 accepting mass grading improvements to Chaska Club West Industrial property and adjacent property.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE 02/26/2024 **RESOLUTION NO.** 2024-12

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**A Resolution Accepting Mass Grading Improvements to
Chaska Club West Industrial Property and Adjacent Property**

WHEREAS, the City of Chaska (the “**City**”) and Club West Partners, LLC (“**Club West**”) are parties to an Amended and Restated Purchase Agreement [for] Vacant Land dated October 16, 2023 (the “**Purchase Agreement**”); and

WHEREAS, pursuant to the Purchase Agreement, the City has agreed to buy approximately 9.53 acres of vacant land from Club West, which is described in Exhibit A to the Purchase Agreement (the “**Property**”); and

WHEREAS, the City previously deposited earnest money in the amount of \$225,000 with Title Mark, LLC (“**Title Company**”) for the transaction (the “**Earnest Money**”); and

WHEREAS, pursuant to Section 1a of the Purchase Agreement, Club West has performed certain mass grading on the Property (the “**Grading Improvements**”); and

WHEREAS, pursuant to Section 2.a. of the Purchase Agreement, Club West previously provided the City with notice that the Grading Improvements have been completed; and

WHEREAS, pursuant to Section 2.a. of the Purchase Agreement, the City Engineer has caused the City’s consulting engineering firm, Stantec, to inspect the Grading Improvements and to provide the City with an inspection report (the “**Stantec Report**”); and

WHEREAS, the City Engineer has determined, based upon his review of the Stantec Report and his own investigation, that the Grading Improvements have been fully completed and are acceptable, subject to the “punch list” items listed in the Stantec Report, which Club West has agreed to finish no later than May 15, 2024 (the “**Punch List Items**”); and

WHEREAS, after the City Council passes a resolution accepting the Grading Improvements, the City has an obligation under Section 2.a. of the Purchase Agreement to instruct the Title Company to release the Earnest Money to Club West; and

WHEREAS, based on the City Engineer’s recommendation and his review of this matter, the City Council finds it is appropriate to accept the Grading Improvements and to distribute the Earnest Money to Club West;

NOW, THEREFORE BE IT RESOLVED as follows:

1. The above recitals, including the findings contained therein, are incorporated into these resolutions.
2. The City accepts the Grading Improvements for purposes of Section 1.a. of the Purchase Agreement.
3. The City Engineer shall request the Title Company to distribute the Earnest Money to Club West now in conformance with Section 2.a. of the Purchase Agreement. Nothing herein waives or releases Club West from its obligation to return or refund the Earnest Money to the City when the Purchase Agreement requires Club West to do so.
4. Club West shall complete the Punch List Items to the City Engineer's satisfaction no later than May 15, 2024.

Adopted by the City Council of the City of Chaska on this 26th day of February, 2024.

Mark Windschitl, Mayor

Attest: _____
Deputy Clerk

REQUEST FOR ACTION CHASKA CITY COUNCIL FEBRUARY 26, 2024

**Subject: Bavaria Road Turn Lanes at Southwest Christian High School
Accepting Feasibility Study, Authorize Preparation of Construction
Documents and Schedule Public Improvement Hearing**

Prepared By: Matt Clark

In 2017 the City of Chaska approved the final building expansion plan for the Southwest Christian High School (SWCHS) campus. Bavaria Road is a primary link to the local collector road network. In order to safely and efficiently manage increases to school traffic, the City and SWCHS entered into a cost share agreement for constructing turn lane improvements at the school entrance. SWCHS campus expansion is now complete and the traffic growth along Bavaria now warrants the City to initiate constructing the turn lane improvements. The project does not propose a neighborhood assessment as the improvements are being completed for the high school.

The attached feasibility report details the recommended improvements along Bavaria Road. The general scope of work includes reconstructing the segment of Bavaria Road at the West Wood Lane intersection. The project provides for dedicated turn lanes into the school entrance. The project also includes replacement of the trunk water main piping that exists under the road segment being reconstructed.

Bavaria Road is a collector road on the City's municipal state aid system. The study evaluated design standards for the project to construct both an urban and rural roadway design. To reconstruct the roadway back to its current rural design requires property acquisition with extensive impacts to abutting private properties. To eliminate acquisitions while meeting state standards, the road section is proposed as an urban design with curb and gutter.

The turn lane improvements to Bavaria are being timed in advance of the roadway closure for Engler Boulevard (CSAH 10) anticipated to begin spring 2025. The schedule allows for construction to be completed this summer while the high school is out of session. The segment of Bavaria Road being reconstructed requires a closure however neighborhood and school access will be maintained via Hundertmark and Engler.

The total project costs are estimated to be \$1.18M. The cost to construct the turn lanes is estimated to be \$620K which would be assessed to Southwest Christian High School. The City's cost to replace the trunk water main utility is approximately \$560k. The City's portion of the costs will be initially financed with reimbursements occurring through municipal state aid and the water utility maintenance funds. For the City to assess the improvements consistent with the agreement it requires a public improvement hearing, which will be scheduled for March 18, 2024. Once the project is complete with the final project costs an assessment hearing will be scheduled to determine the assessment amounts.

CITY COUNCIL ACTION REQUESTED

Motion to Adopt Resolution 2024-17, Accept the feasibility study, ordering the improvements, authorizing preparation of construction documents, and scheduling a Public Improvement Hearing for March 18th, 2024, for the Bavaria Road Turn Lane Improvements at Southwest Christian High School Improvement Project.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE February 26/2024 **RESOLUTION NO.** 2024-17

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

A Resolution Accepting the Feasibility Study and Scheduling a Public Improvement Hearing for the Bavaria Road Turn Lane Improvements at the Southwest Christian High School Project

WHEREAS, the Feasibility Study for constructing turn lane improvements for the South West Christian High School along Bavaria Road has been completed as dated October, 2023, and

WHEREAS, the Feasibility Study has determined the project is feasible in terms of construction and economics;

NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Chaska hereby accepts receipt of the Feasibility Study for noted improvements as prepared by Stantec, dated October, 2023; and,

FURTHER BE IT RESOLVED, by the City Council of the City of Chaska, Minnesota, that said improvements are found to be necessary, cost-effective, and feasible and hereby orders said street improvements, and authorizes the City Engineer to prepare the project plans and specification documents.

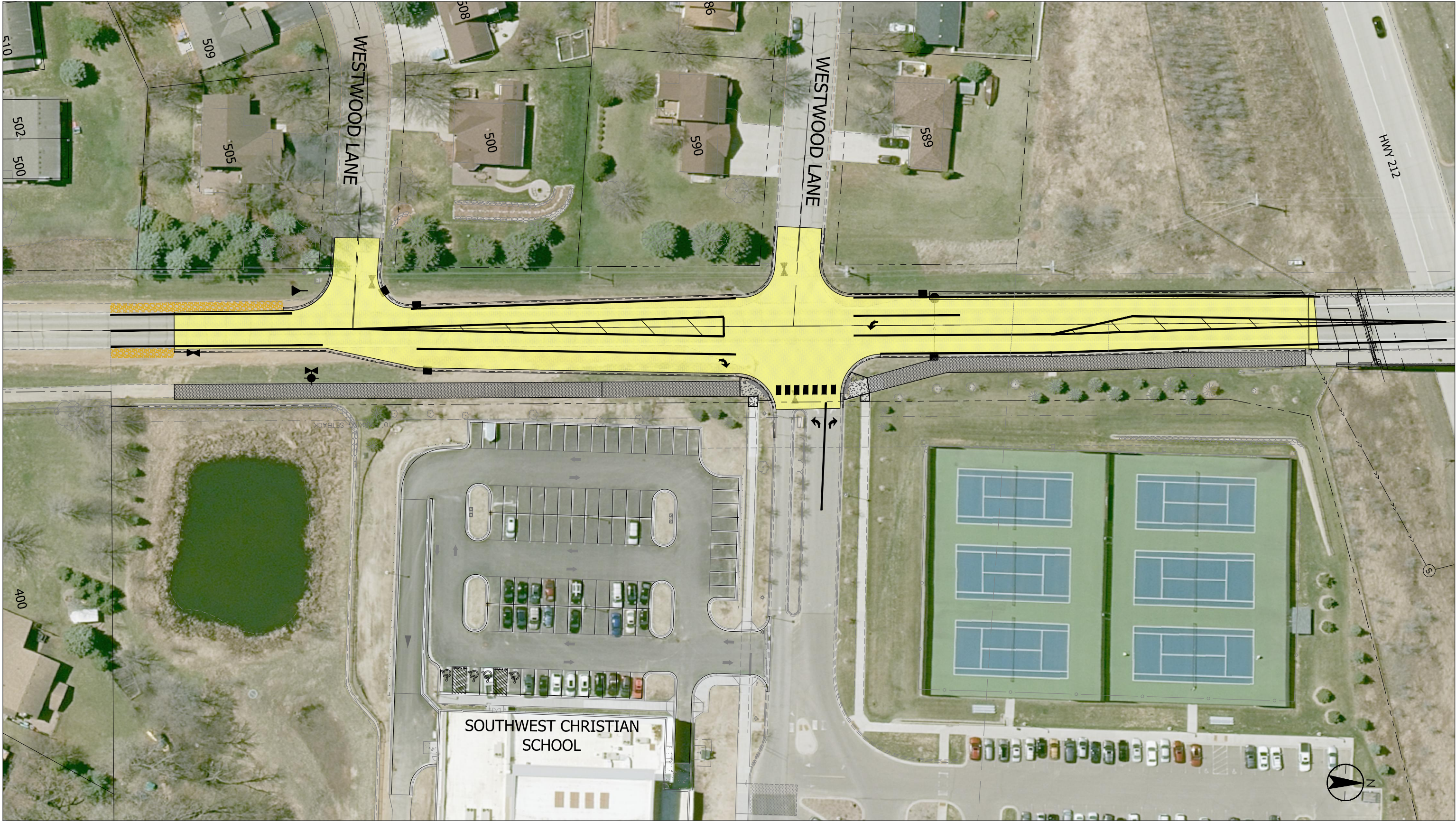
FURTHER BE IT RESOLVED, that the Chaska City Council establishes Monday, March 18, 2023, as the date for a Public Improvement Hearing on said Improvement Project to be held at 7:00 pm at the City Hall Council Chambers. The City Clerk is directed to mail and publish notices in accordance with provisions of Minnesota statutes.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 26th day of February, 2024.

Mark Windschitl, Mayor

Attest: _____

Chaska Deputy Clerk



TURN LANE LAYOUT

CITY OF CHASKA
 BAVARIA ROAD TURN LANES AT SW CHRISTIAN SCHOOL

FIGURE 2

0 90 180



Report For

**Bavaria Road Turn Lanes at Southwest
Christian High School**

Prepared for:

City of Chaska, Minnesota



October 2023

Stantec Project No. 193804165



Stantec Consulting Services Inc.
2335 Highway 36 West, St. Paul MN 55113



October 19, 2023

Honorable Mayor and City Council
City of Chaska
One City Hall Plaza
Chaska, MN 55318

Re: Bavaria Road Turn Lanes at Southwest Christian High School
City of Chaska
Stantec Project No. 193804165

Dear Mayor and Council:

Enclosed please find our Report on the Bavaria Road Turn Lanes at Southwest Christian High School project for your review and comments. This report discusses the feasibility and economic impact of reconstruction of the street and public utilities in the area of Southwest Christian High School.

We will be pleased to review this report with Staff and Council at any mutually convenient time.

Respectfully yours,

City of Chaska

Matthew Clark, P.E.
City Engineer

Stantec Consulting Services Inc.

Eric Lembke, P.E.
Principal

PROFESSIONAL ENGINEER

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Eric S. Lembke, PE

Date: October 19, 2023 License # 42748

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Project Elements.....	1
Geometric Layout/ Road Configuration.....	2
Street Sections.....	3
Storm Sewer Improvements.....	3
Water Main Improvements.....	4
Project Schedule.....	5
Project Costs.....	6
Recommendations and Conclusions.....	7

Appendix A – Opinion of Probable Cost

Appendix B – Figures

Figure 1	Location Plan
Figure 2	Overall Layout
Figure 3	Existing Conditions
Figure 4	Rural Section Impact
Figure 5	Turn Lane Layout
Figure 6	Utility Improvements
Figure 7	Typical Section A
Figure 8	Typical Section B

Introduction

In April of 2017, the City of Chaska approved the final building expansion plan of the Southwest Christian High School (SWCH) campus. In conjunction with City approvals a traffic analysis was required to evaluate the increase in traffic entering and exiting the school's single-site access. The traffic study concluded as a result of future growth and SWCH's anticipated enrollment, traffic increases are expected. Further, to manage traffic increase and accommodate turning movements safely and efficient turn lane improvements are warranted at the northern intersection of Westwood Lane and Bavaria Road. The intersection serves as both a local neighborhood access and the single entrance and exit for the high school (SWCHS)..

The segment of Bavaria Road between Engler Boulevard and Hundertmark Road is currently listed as a State Aid collector roadway that provides access to multiple neighborhoods. Figure 1 illustrates the Bavaria Road corridor for this study area. A portion of Bavaria Road just north of the school entrance was reconstructed as part of the MnDOT state highway 212 project incorporating a bridge overpass.

Consistent with the traffic analysis, this report evaluates the feasibility to construct turn lane improvements and replacement of City trunk watermain within the limits of the project. Ultimately if traffic patterns change and traffic volumes increase a future improvement project may be warranted to address turning movements with other entrances to the existing neighborhoods along the corridor. This report however will just concentrate on the current geometric needs for the high school entrance. Figures 1 and 4 outline the boundaries for this report's improvement project.

Bavaria Road is an existing designated State Aid roadway in Chaska's State Aid Program. Westwood Lane, Oak Hill Circle, and Oak Hill Road provide access to residential homes. The driveway east of Westwood Lane provides access to the school. The existing roadway width is 36-feet north of Westwood Lane and 24-feet wide to the south. The right-of-way along this segment varies is between 65 and 90-feet. All side streets in the study area are approximately 32-feet wide. A blacktop trail parallels the east side of the roadway with mature trees on both sides.

Currently storm sewer does not exist in most of the project area. Ditches and culverts run along both sides of Bavaria Road. The water main located within this area is a cast iron material and is over 80 years old that has met its service life.

Project Elements

As part of the widening of Bavaria Road, there are some key project elements that need to be addressed. The following items will be reviewed and addressed in this report.

- Geometric Layout/ Road configuration
- Street Section
- Storm Sewer Improvements
- Water Main Improvements
- Project Schedule

Geometric Layout/ Road Configuration

EXISTING LAYOUT

Figure 3 shows the existing pavement widths of the project area together with the existing utilities. The current street width ranges from 24 to 36 feet . A portion of the roadway located north of the Westwood Lane/SWCHS entrance was reconstructed as an urban 36-foot-wide roadway as part of the MnDOT state highway 212 project. South of the intersection, the roadway narrows from 36 feet to a 24-foot-wide bituminous rural roadway.

There are no driveways that outlet onto Bavaria Road, and the roadway has been designated for no on-street parking. The pedestrian ramp access points at the intersection do not meet current ADA standards and are non-existent throughout the project area. The road section between the southern Westwood Lane intersection south to Engler is in poor condition and has been previously identified to receive a pavement overlay. Costs for the overlay portion have been identified separate from the turn lane improvement project. That section of Bavaria Road that is proposed to receive a pavement overlay was constructed over an area with poor underlying soils (swamp land) many years ago and is in need of improvements not included in this report to help extend the life of the roadway until such time a major roadway improvement project is recommended for the entire corridor from Engler to Hundertmark. The blacktop walk adjacent to the roadway ranges from eight-feet to ten-feet in width and is in fair condition.

GEOMETRIC LAYOUT/ ROAD CONFIGURATION

The turn lane section to accommodate the expansion of Southwest Christian High School is being proposed in accordance with State Aid standards. The roadway section will include a 12-foot wide thru lane and 12 to 13-foot wide left and right turn lanes. Since the existing roadway is a mixture of both urban and rural type sections, both sections were evaluated as part of this report.

The first section evaluated was for a rural type roadway to be maintained in the existing rural section for the corridor. With a rural type roadway section, the following is required:

- Drainage ditches must be maintained for storm water conveyance
- Requires an 8-foot shoulder adjacent to the traveled lane
- Requires a 30-foot clear zone from the edge of traveled lane with no obstructions of any kind (trees, bushes power poles, etc.).
- The entire clear zone must be in public right-of-way

Figure 4, Rural Section Impacts, illustrates the impacts to incorporate the above rural section design standards. To accommodate a rural section design significant grading impacts would need to occur combined with new easement being dedicated over private properties within the project limits.

Figure 5 exhibits the turn lane layout proposed with an urban section matching the road north of Westwood Lane including concrete curb and gutter, and design standard two-foot reaction zone. The benefits to an urban section are:

- Minimal impact to adjacent properties
- Alleviates the need for ditches to convey storm water
- Minimizes footprint such that grading stays within the right-of-way

It was concluded that constructing the road according to the minimum State Aid Standards, an urban road section is the more feasible recommended option. The urban section has far less impacts to adjacent properties, and compliments improvements that may be necessary in the future on Bavaria Road. No impact to trees is anticipated.

Street Section

Due to aging water main and municipal State Aid design requirements, street section designs will vary throughout the project area indicated on Figure 5. To accommodate the new turn lane the report proposes a combination of widening and full depth reconstruction of the existing roadway. Figure 7 in the report shows the approximate location of the two design sections. No changes to the existing alignment are proposed with the roadway being centered within the existing public right of way.

A. Partial Section Reconstruction – Figure 7

Typical Section A is five-feet wider than the existing road at the turn lane area. This area widened approximately 2.5-feet to the east and west. Due to recent reconstruction occurring in this section, with exception to the existing pavement the existing road section is proposed remain in place. A 2.5-inch pavement overlay will be added over this area to comply with State Aid standards for strength.

B. Full Section Reconstruction – Figure 8

Typical Section B is proposed to be fully reconstructed to a 9 Ton Standard Section. It is recommended to fully reconstruct this area due to state aid design standards, roadway widening, combined with impacts to replace the trunk watermain that exists which is recommended to occur with the project.

Storm Sewer Improvements

With the proposed urban section improvements, the scale of the additional roadway impervious area does not require storm water treatment. However, a pre-treatment structure can be installed to capture sediment before the storm system discharges to the roadside ditch. New catch basin drainage structures are proposed that are indicated on Figure 6 to accommodate overland drainage conveyance along Bavaria Road. The drainage system is proposed to capture storm water that previously ran directly into ditches on both sides of the road and will discharge into the roadside ditch south of the improvements and, ultimately, into the wetlands.

Water Main Improvements

Currently the City's water main system in the project area consists of ductile iron pipe of 12, 18 and 20-inches as shown on Figure 3.

The city has experienced significant issues with the existing 12-inch water main in the area of the turn lane improvement. Before a new roadway is constructed over the top of the water main that is in poor condition it is recommended to remove and replace the 12-inch water main with a new 18-inch line. This line is an important trunk line as it sends water north out into the system from the water treatment plant and follows the comprehensive water master plan for this area.

Figure 6 shows the recommendations for replacing the 12-inch ductile iron water main between the existing 18-inch and 20-inch watermain and replacing it with 18-inch PVC to increase capacity. A new hydrant, gate valves, and 8-inch laterals will also be installed in the project area.

Replacing the water main at the same time as the road reconstruction will significantly reduce the cost of replacing it in the future. To minimize water service disruption to the adjacent neighborhood and school during construction, temporary water systems will need to be implemented.

Project Schedule

The Bavaria Road Turn lanes project is proposed to be constructed in the spring of 2024. The project's recommended schedule is to begin construction after the regular school year is over, and end prior to school starting in the fall. To minimize disruption to the adjacent neighborhood, and operations at Southwest Christian High School, the majority of this project is proposed to be constructed under traffic with occasional half-day road closures over a period of approximately two-months. The proposed construction phasing plan will maintain access to the neighborhoods for most of the construction period. There will be times when disruption of access is unavoidable, and the project team will work with adjacent residents and emergency services to coordinate these periods of time.

A proposed schedule is as follows:

City approves Feasibility Report /orders Public Hearing	December , 2023
Public Hearing/ Council Authorize Preparation of Construction Documents/ Orders Assessment Hearing	January, 2024
Plans approved by State Aid	February , 2024
Assessment Hearing/ Approve Construction Documents/ Authorize Bidding	February , 2024
Receive Bids	March , 2024
Award Bid	April , 2024
Begin Construction	Mid-June, 2024
End Construction	August, 2024

Project Costs

The following is a breakdown of estimated costs for various sections of the project proposed for Council consideration:

Bavaria Road Turn Lanes at Southwest Christian High School Costs

Street Improvements	\$846,099.38
Storm Sewer Improvements.....	\$84,253.13
Water Main Improvements.....	\$252,965.63
TOTAL ESTIMATED PROJECT COSTS	\$1,183,318.13

The total project cost is estimated at \$1,183,500. The estimated costs of the work presented in this report have been itemized in Appendix A. The cost estimates include construction, contingencies, design, inspection, and administration. No costs have been added for any acquisitions of right-of-way. The cost estimate is based on a bid date in winter of 2024 and the construction occurring in the early summer of 2024

COST PARTICIPATION

Prior to this report, in 2017 the City issued approvals for the final site and building phase of the Southwest Christian High School campus. City approvals required SWCHS enter into a cost share agreement for turn lane improvements. The City of Chaska will be responsible for the project cost related to water main upgrades and street costs associated with water main replacement. Those costs are estimated below:

	<u>Turn Lane</u>		<u>Water Main</u>
	SW Christian High School	City	City
<u>Street Improvements</u>			
Turn Lane	\$510,152.50	-	-
Street Over Water Main	-	-	\$277,509.38
Final 1.5"	\$29,218.75	\$29,218.75	-
Storm Sewer Improvements	\$84,253.13	-	-
Water Main Improvements	-	-	\$252,965.63
Total Estimated Cost Participation	\$623,624.38	\$29,218.75	\$530,475.00
<u>Total Cost</u>			
SW Christian High School	\$623,624.38		
City	\$559,693.75		
	\$1,183,318.13		

Recommendations and Conclusions

The following comments and recommendations are presented for consideration:

- It is recommended that the improvements include a Chaska Standard 9-ton urban street section as outlined in this report.
- It is recommended to design the Bavaria Road turn lane section to State Aid Standards.
- It is recommended that water main facilities, and related appurtenances be replaced due to the size and service life of the existing utilities.
- It is recommended to add storm sewer utilities to accommodate the proposed street layout as outlined in the report.
- It is recommended to begin constructing the project after the standard school year ends.
- It is proposed to implement construction phasing to allow for the best access possible for residents and Southwest Christian High School.

Appendix A

Bavaria Turn Lanes at Southwest Christian High School Construction and Project Costs

APPENDIX A - ESTIMATED PROJECT COSTS

BAVARIA ROAD TURN LANES AT SOUTHWEST CHRISTIAN SCHOOL

PROJECT NO. 193804165

CHASKA, MINNESOTA

October, 2023

No.	Item	Units	Qty	Unit Price	Total Price
PART 1 - STREET IMPROVEMENTS					
1	MOBILIZATION	LS	1	\$40,000.00	\$40,000.00
2	TRAFFIC CONTROL	LS	1	\$15,000.00	\$15,000.00
3	STREET SWEEPER WITH PICK UP BROOM WITH OPERATOR	HR	15	\$175.00	\$2,625.00
4	PORTABLE PRECAST CONC BARRIER DES 8337	LF	650	\$35.00	\$22,750.00
5	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	1300	\$5.00	\$6,500.00
6	REMOVE CONCRETE CURB AND GUTTER	LF	600	\$6.00	\$3,600.00
7	REMOVE BITUMINOUS PAVEMENT - ROAD	SY	3000	\$6.00	\$18,000.00
8	REMOVE BITUMINOUS PAVEMENT - TRAIL	SY	730	\$9.00	\$6,570.00
9	REMOVE WATER MAIN	LF	700	\$9.00	\$6,300.00
10	REMOVE STORM SEWER PIPE	LF	150	\$25.00	\$3,750.00
11	REMOVE STORM SEWER MANHOLE OR CATCHBASIN	EA	2	\$600.00	\$1,200.00
12	REMOVE HYDRANT	EA	1	\$1,000.00	\$1,000.00
13	REMOVE SIGN	EA	3	\$75.00	\$225.00
14	ADJUST FRAME AND RING CASTING	EA	2	\$1,400.00	\$2,800.00
15	ADJUST VALVE BOX	EA	1	\$1,000.00	\$1,000.00
16	COMMON EXCAVATION (EV)	CY	3200	\$20.00	\$64,000.00
17	SUBGRADE EXCAVATION (EV)	CY	640	\$20.00	\$12,800.00
18	ROCK EXCAVATION	CY	75	\$50.00	\$3,750.00
19	STOCKPILE ROCK	CY	75	\$25.00	\$1,875.00
20	SUBSOILING	AC	0.5	\$2,000.00	\$1,000.00
21	SELECT TOP SOIL BORROW - SPECIAL (LV)	CY	700	\$50.00	\$35,000.00
22	GEOTEXTILE FABRIC, TYPE V	SY	3200	\$2.50	\$8,000.00
23	AGGREGATE BASE, CLASS 5 (STREET)	TN	1450	\$35.00	\$50,750.00
24	AGGREGATE BASE, CLASS 5 (TRAIL)	TN	150	\$35.00	\$5,250.00

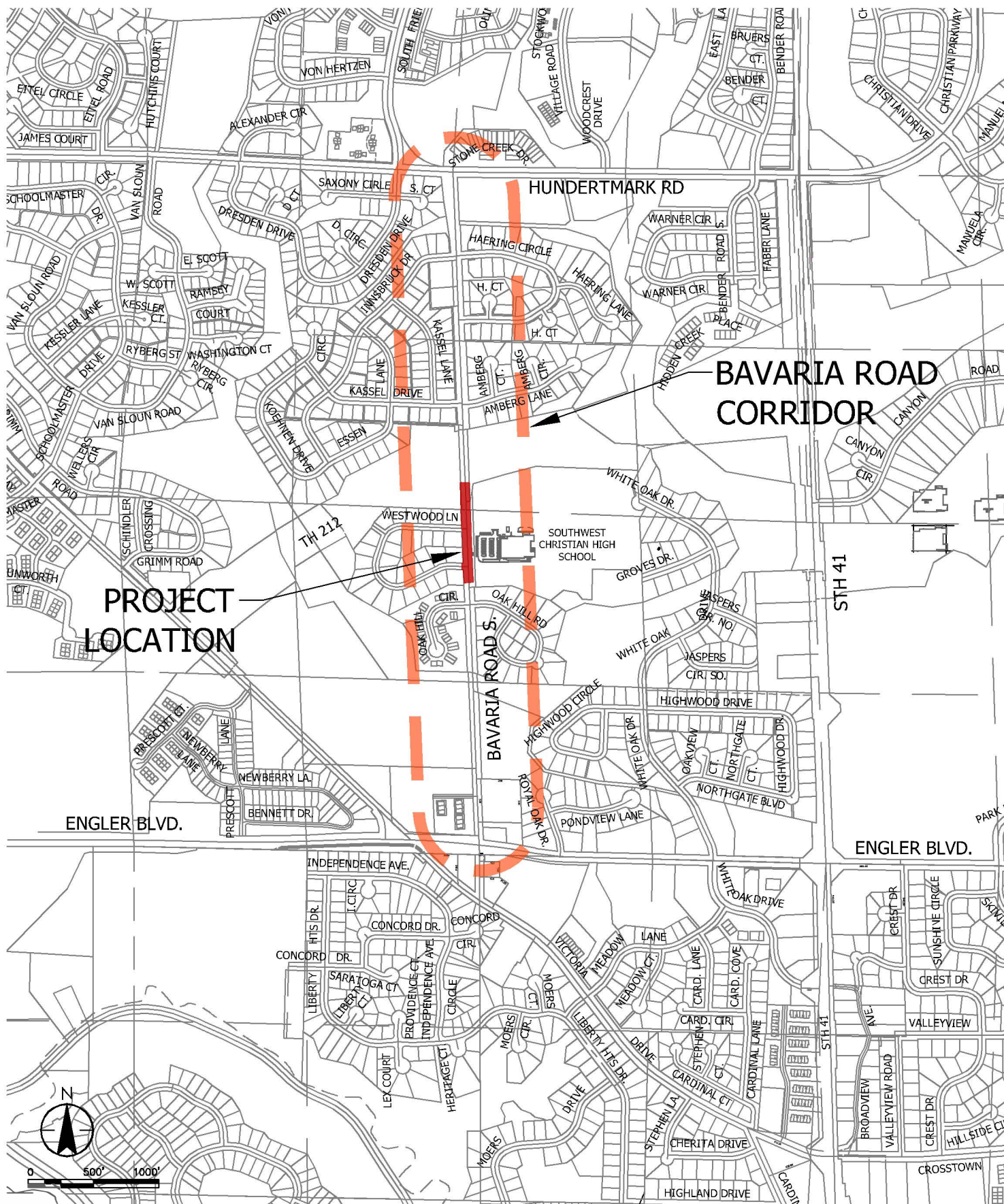
No.	Item	Units	Qty	Unit Price	Total Price
25	SELECT GRANULAR BORROW	CY	2200	\$30.00	\$66,000.00
26	SHOULDER BASE AGGREGATE, CLASS 2	TN	25	\$60.00	\$1,500.00
27	WATER FOR DUST CONTROL	1000 GAL	10	\$100.00	\$1,000.00
28	MILL BITUMINOUS PAVEMENT (VARIABLE DEPTH)	SY	50	\$12.00	\$600.00
29	TYPE SP 12.5 WEARING COURSE (3,C)	TN	425	\$100.00	\$42,500.00
30	TYPE SP 12.5 NON-WEARING COURSE (3,C)	TN	520	\$100.00	\$52,000.00
31	TYPE SP 12.5 NON-WEARING COURSE (3,B) - PATCH	TN	50	\$150.00	\$7,500.00
32	TYPE SP 9.5 WEARING COURSE (2,B) - TRAIL	TN	150	\$105.00	\$15,750.00
33	BITUMINOUS MATERIAL FOR TACK COAT	GAL	350	\$4.00	\$1,400.00
34	4" PERFORATED POLYETHYLENE PIPE	LF	1400	\$10.00	\$14,000.00
35	4" PERFORATED PVC PIPE	LF	250	\$20.00	\$5,000.00
36	1.25" NON-METALIC CONDUIT (INSTALL)	LF	820	\$9.00	\$7,380.00
37	POTHOLE EXISTING UTILITY	EA	3	\$600.00	\$1,800.00
38	B618 CONCRETE CURB AND GUTTER	LF	1550	\$22.00	\$34,100.00
39	4" CONCRETE WALK	SF	250	\$9.00	\$2,250.00
40	CONCRETE PEDESTRIAN CURB RAMP	SF	400	\$16.00	\$6,400.00
41	TRUNCATED DOME PANEL	SF	50	\$75.00	\$3,750.00
42	4" SOLID LINE, WHITE EPOXY	LF	1400	\$2.00	\$2,800.00
43	4" SOLID LINE, YELLOW EPOXY	LF	160	\$2.00	\$320.00
44	4" SOLID LINE, DOUBLE YELLOW EPOXY	LF	1150	\$3.00	\$3,450.00
45	4" SOLID LINE, WHITE (TEMPORARY)	LF	1400	\$1.00	\$1,400.00
46	4" SOLID LINE, YELLOW (TEMPORARY)	LF	1150	\$1.00	\$1,150.00
47	CROSSWALK MARKING - EPOXY	SF	150	\$6.00	\$900.00
48	PAVEMENT MESSAGE, ARROW, EPOXY	EA	4	\$300.00	\$1,200.00
49	SIGN PANELS, TYPE C	SF	24	\$100.00	\$2,400.00
50	PROTECTION OF CATCH BASIN IN STREET (BEFORE CURB)	EA	6	\$150.00	\$900.00
51	PROTECTION OF CATCH BASIN IN STREET (AFTER CURB)	EA	6	\$150.00	\$900.00
52	SODDING, LAWN TYPE	SY	850	\$9.00	\$7,650.00
53	WATER FOR TURF ESTABLISHMENT	1000 GAL	15	\$80.00	\$1,200.00

No.	Item	Units	Qty	Unit Price	Total Price
54	SILT FENCE, MACHINE SLICED	LF	600	\$4.00	\$2,400.00
55	BIOLOG, TYPE WOOD FIBER	LF	200	\$5.00	\$1,000.00
56	SEED MIXTURE TYPE 25-151	AC	0.5	\$2,500.00	\$1,250.00
57	EROSION CONTROL BLANKETS, TYPE 3	SY	1900	\$5.00	\$9,500.00
58	TRM	SY	10	\$25.00	\$250.00
SUBTOTAL PART 1 - STREET IMPROVEMENTS					\$615,345.00
	10% Contingency				\$61,534.50
	25% Engineering, Administration, Legal				\$169,219.88
TOTAL PART 1 - STREET IMPROVEMENTS					\$846,099.38
 PART 2 - STORM SEWER IMPROVEMENTS					
59	12" RCP STORM SEWER, CLASS 5	LF	5	\$70.00	\$350.00
60	15" RCP STORM SEWER, CLASS 5	LF	55	\$70.00	\$3,850.00
61	18" RCP STORM SEWER, CLASS 5	LF	25	\$80.00	\$2,000.00
62	24" RCP STORM SEWER, ARCH CLASS 5	LF	65	\$215.00	\$13,975.00
63	24" RC ARCH PIPE APRON, INCL TRASH GUARD	EA	1	\$6,000.00	\$6,000.00
64	2' X 3' CB, INCL R-3067-V CSTG AND CONC ADJ RINGS	EA	3	\$3,200.00	\$9,600.00
65	4' DIA STORM SEWER CBMH, INC R-3067 CSTG AND CONC ADJ RINGS	EA	3	\$5,000.00	\$15,000.00
66	CONNECT TO EXISTING STORM PIPE	EA	3	\$3,500.00	\$10,500.00
TOTAL PART 2 - STORM SEWER IMPROVEMENTS					\$61,275.00
	10% Contingency				\$6,127.50
	25% Engineering, Administration, Legal				\$16,850.63
TOTAL PART 2 - STORM SEWER IMPROVEMENTS					\$84,253.13
 PART 3 - WATER MAIN IMPROVEMENTS					
67	CONNECT TO EXISTING WATER MAIN	EA	5	\$4,000.00	\$20,000.00
68	INSTALL TEMPORARY HYDRANT	EA	1	\$6,500.00	\$6,500.00
69	INSTALL TEMPORARY GATE VALVE	EA	1	\$2,500.00	\$2,500.00
70	6" GATE VALVE AND BOX	EA	1	\$2,750.00	\$2,750.00
71	8" GATE VALVE AND BOX	EA	3	\$3,500.00	\$10,500.00

No.	Item	Units	Qty	Unit Price	Total Price
72	18" BUTTERFLY VALVE AND BOX	EA	1	\$9,500.00	\$9,500.00
73	6" PVC WATER MAIN, C900	LF	20	\$55.00	\$1,100.00
74	8" PVC WATER MAIN, C900	LF	175	\$65.00	\$11,375.00
75	18" PVC WATER MAIN, C900	LF	500	\$170.00	\$85,000.00
76	INSULATION, 4" THICK	SY	20	\$50.00	\$1,000.00
77	HYDRANT	EA	1	\$6,500.00	\$6,500.00
78	DUCTILE IRON FITTINGS	LB	1600	\$15.00	\$24,000.00
79	IMPROVED PIPE FOUNDATION, PER 6" INCREMENT	LF	650	\$5.00	\$3,250.00
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					\$183,975.00
10% Contingency					\$18,397.50
25% Engineering, Administration, Legal					\$50,593.13
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					\$252,965.63
 BAVARIA ROAD TURN LANES AT SW CHRISTIAN HIGH SCHOOL					
TOTAL PART 1 - STREET IMPROVEMENTS					\$846,099.38
TOTAL PART 2 - STORM SEWER IMPROVEMENTS					\$84,253.13
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					\$252,965.63
TOTAL ESTIMATED PROJECT COSTS					\$1,183,318.13

Appendix B

Bavaria Turn Lanes at Southwest Christian High School Figures & Typical Sections



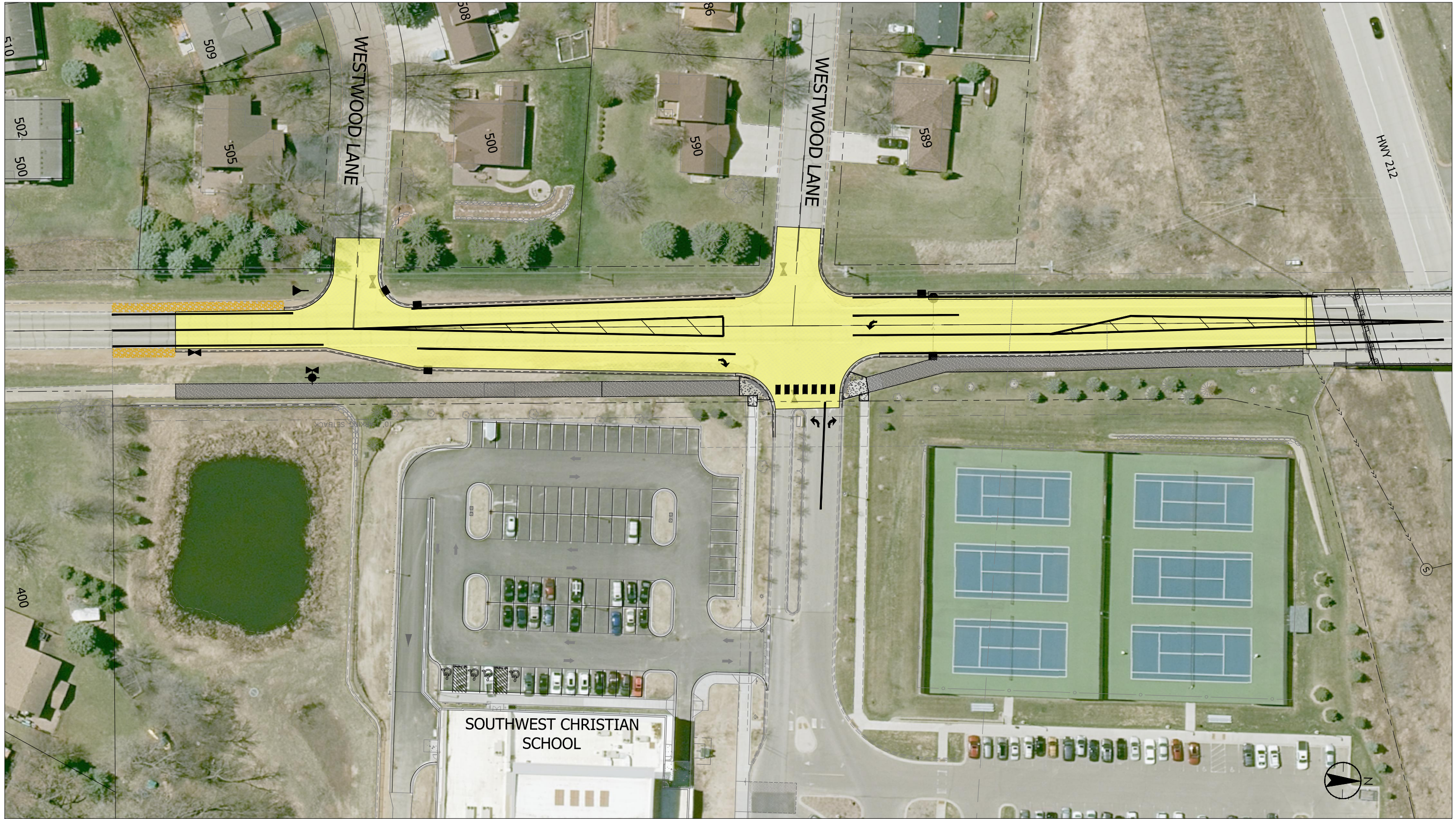
LOCATION PLAN

CITY OF CHASKA
 BAVARIA ROAD TURN LANES AT SW CHRISTIAN SCHOOL

FIGURE: 1



2335 Highway 36 W
 St. Paul, MN 55113
 www.stantec.com



TURN LANE LAYOUT

CITY OF CHASKA
 BAVARIA ROAD TURN LANES AT SW CHRISTIAN SCHOOL

FIGURE 2

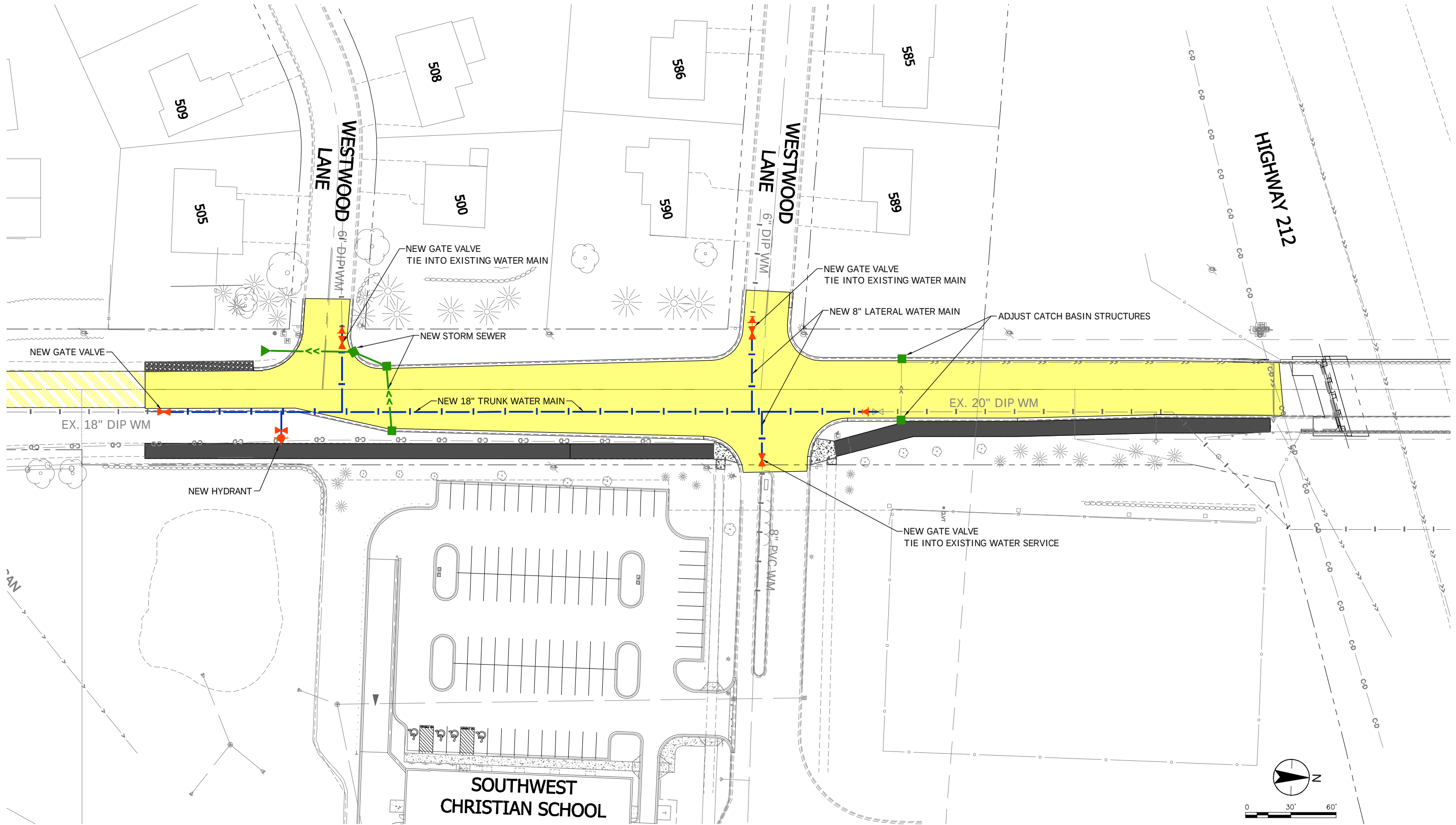
The site plan illustrates the proposed reconstruction of a road section adjacent to Southwest Christian School. The plan includes the following details:

- Westwood Lane:** A vertical road on the left side of the plan, with a 12' right turn lane and a 12' thru lane.
- 10' Bituminous Trail:** A horizontal trail running across the middle of the plan, with a 12' thru lane and a 12' right turn lane.
- Parking Lot:** Located at the bottom of the plan, containing 87 total parking stalls and a sloped drive.
- Reconstruction Areas:**
 - Area A (Partial Section Reconstruction):** Indicated by yellow shading, covering the 12' thru lane and 12' right turn lane of the 10' bituminous trail.
 - Area B (Full Section Reconstruction):** Indicated by orange shading, covering the 12' thru lane and 12' right turn lane of Westwood Lane.
- Other Features:**
 - Existing Road Edge:** Marked with a dashed line.
 - Southwest Christian School:** Located at the bottom of the plan.
 - Legend:**
 - A** PARTIAL SECTION RECONSTRUCTION
 - B** FULL SECTION RECONSTRUCTION
 - Scale and Orientation:** A north arrow and a scale bar (0, 30, 60 feet) are located in the bottom right corner.

CITY OF CHASKA

BAVARIA ROAD TURN LANES AT SW CHRISTIAN SCHOOL

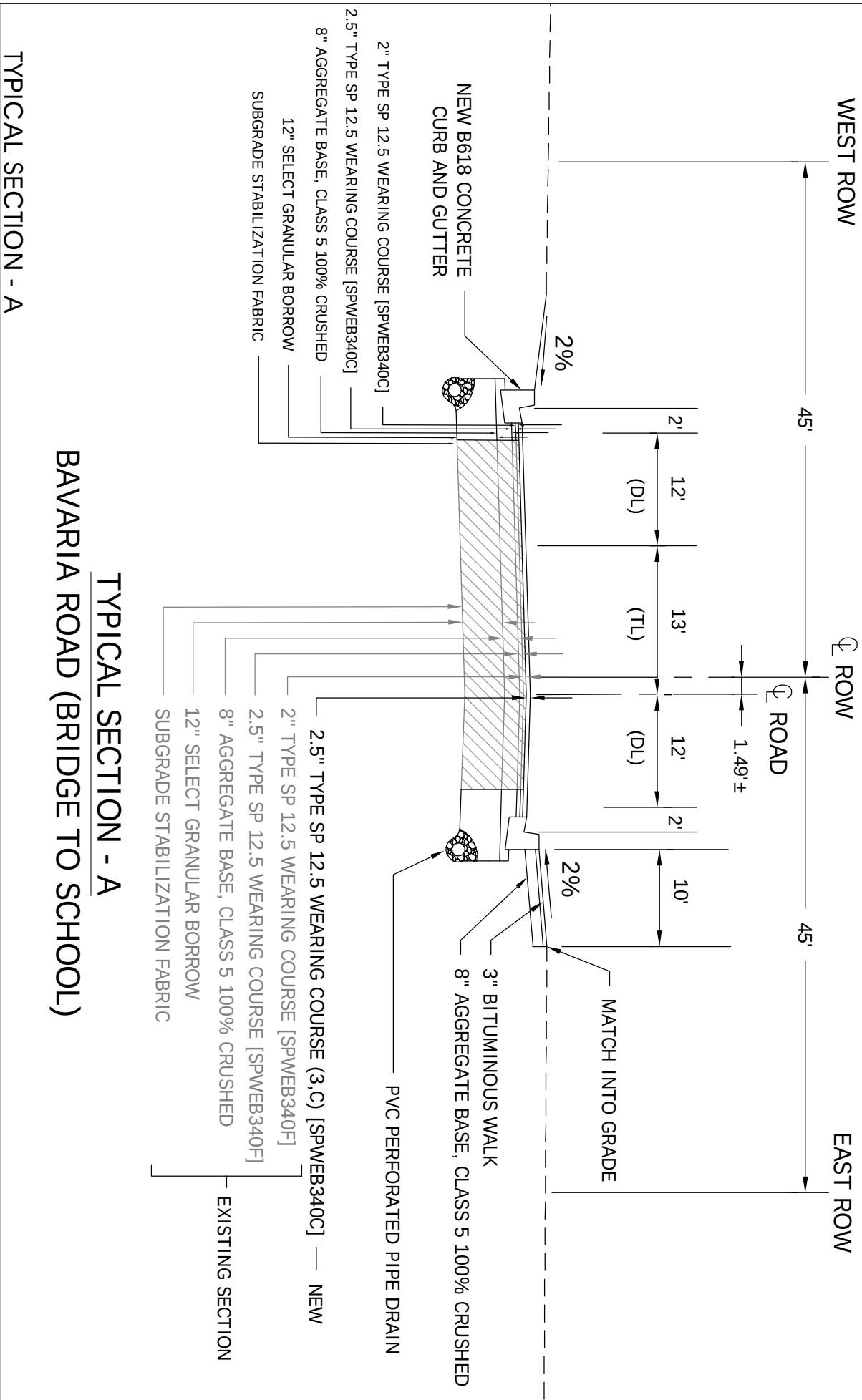
FIGURE 5



UTILITY REPLACEMENTS

CITY OF CHASKA
 BAVARIA TURN LANES AT SW CHRISTIAN SCHOOL

FIGURE 6



CITY OF CHASKA

BAVARIA TURN LANES AT SW CHRISTIAN SCHOOL

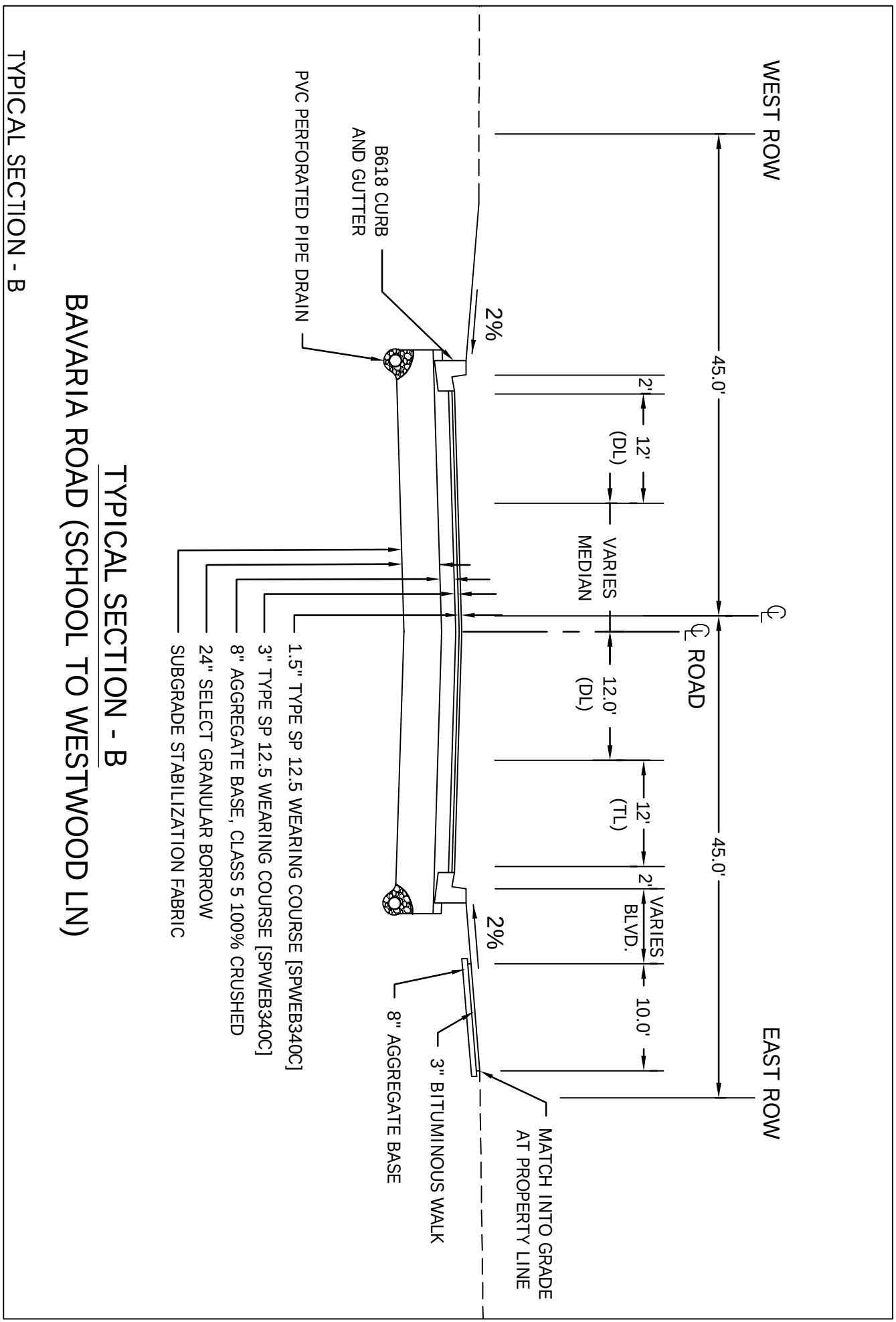
DATE OCTOBER, 2018

PROJ. NO. 193804165

FIGURE 7



2335 Highway 36W
St. Paul, MN 55113
www.stantec.com



CITY OF CHASKA

BAVARIA TURN LANES AT SW CHRISTIAN SCHOOL

DATE OCTOBER, 2018

PROJ. NO. 193804165

FIGURE 8



2335 Highway 36W
St. Paul, MN 55113
www.stantec.com

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
FEBRUARY 26, 2024**

Subject: Lease Renewal for the Arts Consortium of Carver County

Prepared By: Mary Monteith, Parks & Recreation

The Arts Consortium of Carver County (ACCC) is a local 501 (c)3 nonprofit organization that was established in 2009.

In November of 2020, the City of Chaska and the Arts Consortium of Carver County entered a Letter of Intent for a partnership that included Leased Community Center Space and Collaboration on Art Programming. This partnership agreement provided the ACCC dedicated space for their retail store and exhibit space, as well as opportunities for programming in the the Community Center and other city facilities, including the parks.

City staff feel there is mutual benefit in a continued partnership with the ACCC and having their presence at the Chaska Community Center. This location provides high visibility and access to a variety of spaces to conduct programs and events. In addition, it attracts more people to the Chaska Community Center and introduces them to the variety of activities that are available at the facility.

Staff feel the Chaska Community Center is an ideal location for the ACCC and recommend Council Approval for another 3-year lease.

CITY COUNCEL ACTION REQUESTED

Motion to Council top Approve 3-year Lease Renewal with the Arts Consortium of Carver County

LEASE AGREEMENT

This Lease Agreement ("Lease") entered into this ____ day of _____, 2024, by and between the City of Chaska, a municipal authority organized under the laws of the State of Minnesota, hereinafter referred to as "Lessor", and the Arts Consortium of Carver County, (ACCC) a 501C 3 non-profit organization under the laws of the State of Minnesota, hereinafter referred to as "Lessee";

WITNESSETH:

Lessor is the owner of a facility situated on part of Outlet A, Park Ridge, in the City of Chaska which facility is known as the Chaska Community Center located at 1661 Park Ridge Drive, Chaska, MN 55318 ("Property").

Lessor hereby agrees to lease to Lessee, and Lessee hereby agrees to lease from Lessor, the premises located at the Chaska Community Center as shown in Exhibit "A". The ("Premises") include the spaces known as the former cafe area (570 sq. ft.) and the adjacent storage area (180 sq. ft.).

1. **TERM.** The term of this lease is for three (3) years, commencing on January 1, 2024.
2. **RENT.** Lessee agrees to pay, without offset or deduction, monthly rent in accordance with the schedule of lease payments as set forth in Exhibit "B" attached hereto and made a part hereof, or a percentage of the given month's Net Sales (defined below); whichever is the greater amount. Payments shall be made on the fifteenth (15th) of every month or prior, for the previous month's rent addressed to the City of Chaska, One City Hall Plaza, Chaska, Minnesota 55318.
 - A. **Net Sales.** Net sales are calculated by deducting costs of goods sold, sales allowances, sales discounts, sales returns and sales tax from gross sales. The term "Net Sales" as used herein shall mean the sales of merchandise made by lessee, whether:

- (a) delivered to and/or produced on the Property (CCC)
- (b) delivered to and/or produced on the Property and delivered to a location other than the Property (CCC)
- (c) online via the ACCC's network within the Property (CCC)

Lessee will calculate 50% of their net sales each month. Lessee shall pay Lessor the greater amount of either the 50% Net Sales or the scheduled lease payment set forth in Exhibit B each month. Lessee shall pay to Lessor, rent without deduction or offset, that is received by the Lessor on or before the fifteenth (15) day of each month, addressed to the City of Chaska, One City Hall Plaza, Chaska, Minnesota 55318.

3. **ACCOUNTING.** The collection of money for all sales are the sole responsibility of the Lessee. Lessee shall provide Lessor a sales report on or before the 15th of every month that accounts for all sales during the previous month.
4. **RENT DELINQUENCIES.** If any payment owed to the Lessor is not received within five (5) business days from the date when due, such delinquent amount shall bear interest at a rate equal to 4% over the Prime Rate established by US Bank from time to time, or the highest amount allowed by law, whichever is lower from the due date until paid.

5. USE. Lessee will use the Premises solely to operate the ACCC's retail store and activities incidental thereto. The retail store shall be open to the public and be staffed with Lessee's employees and/or volunteers during all open hours. Lessee must operate the Premises solely under its established name "Arts Consortium of Carver County" and may not change the name without Lessor's written consent, which shall not be unreasonably withheld.
6. ACCESS. Unless there has been prior approval from the Parks and Recreation Director, Lessee shall only have access to the Premises during periods in which the Property is open to the public.
7. USE BY LESSEE OF OTHER FACILITIES.
 - a. ART GALLERY/EXHIBIT HALL: The Lessee will have the use of the art gallery/exhibit hall (1,700 sq. ft.) to display artwork. The Lessor shall have up to 12 weeks per year to use the art gallery/exhibit hall to display artwork of their choice.
 - b. PARKS & RECREATION CONFERENCE ROOM: The Lessee shall have complimentary use of the Parks & Recreation Conference Room up to 24 hours per year for ACCC board meetings. Such meetings shall be scheduled a minimum of one week in advance and are based on room availability.
 - c. ALL OTHER FACILITIES: The Lessee's use of other facilities in the Community Center or other City facilities outside of partnered programming with the Chaska Parks & Recreation Department shall be subject to appropriate rental fees and availability.
8. UNLAWFUL USE. Lessee will not use the Premises or conduct its operations in violation of any statute, regulation, or ordinance of any governmental body.
9. IMPROVEMENTS, ALTERATIONS AND ADDITIONS BY LESSEE. By entry hereunder, Lessee shall be deemed to have accepted the Premises as being in good, sanitary order, condition, and repair. Lessee is responsible for furniture and furnishings of said premises. Lessee shall not make or allow to be made any other alterations, additions, or improvements to or of the Premises without the written consent of Lessor, which will not be unreasonably withheld.
10. MAINTENANCE AND REPAIRS. Upon completion of the Lessee's moving in, Lessee agrees to maintain the 750 square feet of the leased Premises including, but not limited to, floor vacuuming/cleaning, trash removal, window washing and all other necessary means to keep the space in a clean, safe, and sanitary manner. The Lessee may use the garbage dumpsters of the Lessor for that trash which is generated as part of the Lessee's daily business. The Lessor shall ensure Lessee is maintaining their Premises to the same standard of Lessor's building maintenance department.
11. COMMON AREAS. Lessee shall, for itself and for Lessee's customers, vendors, guests and invitees, have the non-exclusive use of the hallways, restrooms and other common areas in the building and on the real property where the Chaska Community Center is situated (the "Property"). Lessee, and Lessee's customers, shall have the non-exclusive use of the two restrooms adjacent to the Premises (the "Common Restrooms"). Lessor shall be responsible, at its sole expense, for cleaning and maintenance of the Common Restrooms at all times.

12. ASSIGNMENT AND SUBLETTING. Lessee may not assign this Lease or sublet any portion of the Premises without Lessor's prior written consent.
13. LIENS. Lessee shall keep the premises and the property on which the Premises is situated free and clear from any liens arising out of any work performed or material furnished to Lessee, except that Lessee shall have the right, at its election and expense, to contest any such lien so long as the contesting thereof is not prejudicial to Lessor and in the event Lessee does contest any such lien, Lessee shall post a bond or other security satisfactory to Lessor, and which security shall remain in effect until such time as said lien is discharged.
14. SIGNAGE. Lessee may place signage within their leased Premises. All signage and artwork displayed on the windows located in the Premises that overlook the pool area must be approved by Lessor. All signage and artwork placed outside of Lessee's Premises must be approved by Lessor.
15. POLICIES, RULES, AND REGULATIONS. As a material part of the consideration rendered by Lessor, and in further consideration of the mutual promises and covenants of the Lessor and other Lessees, Lessee agrees that it shall be bound by, and adhere to such policies, rules and regulations of the operations of the CCC as Lessor may determine are advisable to insure fair and equitable employment of the common passageways and off street parking areas, provided said policies, rules and regulations are uniformly applied to all occupants and do not create unreasonable interference with Lessee's ability to use the Premises as defined herein.
16. UTILITIES. Lessor shall provide and pay all costs of heating by natural gas and air conditioning of the Premises; also, Lessor shall pay water, electricity, sewer, rubbish disposal, ventilation, landscaping, parking lot and sidewalk maintenance, and snow and ice removal. Lessee shall be responsible for custodial services, phone, and internet for the Premises. Lessor agrees to provide sprinklers and to perform any other work necessary to comply with present and future governmental codes and regulations except as same would be required of Lessee's specific use of the Premises.
17. INSPECTION AND ENTRY. Lessor may, upon reasonable prior notice, enter the Premises to inspect the same and make repairs required or permitted to be made by Lessor, and to show the Premises to prospective Lessees during the two (2) months prior to the end of the Lease Term. Lessor may enter the Premises at any time in the event of an emergency.
18. HAZARDOUS MATERIALS. Neither Lessee nor its guests, shall at any time handle, use, manufacture, store or dispose of in or about the Premises or the Property any flammables, explosives, radioactive materials, hazardous waste or minerals, toxic waste or materials, or other similar substances, or any substance subject to regulation by or under any federal, state and local laws and ordinances relating to the protection of the environment or the keeping, use or disposition of environmentally hazardous materials, substances, or waste, presently in effect or hereafter adopted, all amendments to any of them, and all rules and regulations issued pursuant to any such laws or ordinances.
19. PARTIAL DESTRUCTION. In the event of a partial destruction of the said Premises during the said Term from any cause, Lessor shall forthwith repair the same provided such repairs can be made within sixty 60 day under the laws and regulations of county or municipal authorities, but such partial destruction shall in a no way annul or void this Lease, except that Lessee shall be entitled to a proportioned reduction of rent while such repairs are being made, such proportioned reduction to be based upon the extent to

which the making of such repairs shall interfere with the business carried on by the Lessees in said Premises. If such repairs cannot be made within one hundred twenty (120) days after the occurrence of such damage or destruction, this Lease may be terminated at the option of either party. In the event that the building in which the Premises are situated is destroyed to the extent of not less than fifty percent (50%) of the replacement cost thereof, Lessor may elect to terminate this lease, whether the Premises be injured or not. A total destruction of the building in which said Premises are situated shall terminate this lease.

20. **INSURANCE.** Lessee, as a material part of this consideration to be rendered to Lessor, hereby waives all claims against Lessor for damages to goods, wares, and merchandise on said Premises, and for injuries to persons on said Premises, from any cause arising at any time, except deliberate and malicious acts of Lessor, and Lessee shall hold Lessor exempt and harmless from any and all damage or injury to any person or to any property arising from the use of the Premises by Lessee, or from failure of Lessee to keep premises in good condition and repair.

Lessee shall keep in force, at its own expense, during the term of this Lease a policy of comprehensive liability insurance insuring both Lessee and Lessor against any liability arising out of the ownership, use, occupancy, or maintenance of the Premises and all areas appurtenant thereto. Such insurance shall be in the amount of not less than \$1,500,000.00 for injury or death of one person in any one accident or occurrence, and in the amount of not less than \$1,500,000.00 for injury or death of more than one person in any one accident or occurrence, or such higher amounts as may be required by state or local government authorities. Lessee shall deliver copies of such policies or certificates of insurance, with loss payable clauses naming Lessor as an additional insured. No policy shall be cancelable or subject to reduction of coverage as to Lessor without ten (10) days prior written notice and opportunity to cure to Lessor. All such policies shall be primary and shall not seek contribution from any valid and collectible insurance available to Lessor.

- A. **Fire Insurance.** Lessee shall keep in force, at its own expense, fire insurance, excluding extended coverage, vandalism and malicious mischief and demolition and debris removal, insurance for an amount not less than the current replacement cost of all of Lessee's leasehold improvements, trade fixtures, merchandise and all personal property from time to time in or upon the Premises. Such policy proceeds shall be used, to the extent necessary, to repair or replace the property damaged or destroyed.
- B. **Waiver of Claims and Subrogation.** Notwithstanding any provision in this Lease to the contrary, Lessor and Lessee hereby release one another from any and all liability or responsibility (to the other or anyone claiming through or under them by way of subrogation or otherwise) for any loss or damage covered by property insurance or coverable by a customary policy of the other insurance required, even if such loss or damage is caused by the fault or negligence of the other party or anyone for whom such party may be responsible.

21. **INDEMNIFICATION.** Lessor shall not be liable, and Lessee waives all claims against Lessor, for any damage to any property or any injury to any person in or about the Premises or the Property by or from any cause whatsoever, except to the extent caused by or arising from the gross negligence or willful misconduct of Lessor. Except as provided herein, Lessee shall protect, indemnify and hold the Lessor harmless from and against any and all loss, claims, liability or costs (including court costs and attorney's fees) incurred by reason of: (i) any damage to any property or any injury to any person occurring in, on or

about the Premises or the Property to the extent that such injury or damage is caused by or arise from any actual or alleged act, neglect, fault, or omission by or of Lessee, its agents, servants, employees, invitees, or visitors to meet any standards imposed by any duty with respect to the injury or damage; (ii) the conduct or management of any work or thing whatsoever done by Lessee in or about the Premises or from transactions of the Lessee concerning the Premises; (iii) Lessee's failure to comply with any and all governmental laws, ordinances, and regulations applicable to the condition or use of the Premises, the Property or its occupancy; or (iv) any breach or default on the part of the Lessee in the performance of any covenant or agreement on the part of the Lessee to be performed pursuant to this Lease. The provisions of this section shall survive the termination of this Lease with respect to any claim or liability accruing prior to such termination.

22. **DEFAULT.** If Lessee fails to keep or perform any of its covenants and agreements contained in this Lease, or if Lessee vacates the Premises during the term of this Lease, then, ten (10) days after mailing of written notice from Lessor, in case of non-payment of any rent that is due and not in dispute (including Base Rent and any additional charges) or any other default which may be cured by the payment of money, and forty-five (45) days after receipt of such notice by Lessee in case of other neglect or failure (provided, however, that Lessee shall not have paid the rent or other sum within the ten (10) days, or have cured or commenced to cure any other neglect or failure, so far as could reasonably be accomplished within the forty-five (45) days), then Lessor may, at its sole election and discretion, enter the Premises and take possession of the same, without forfeiture of the rents accrued and to be paid by the Lessee, and terminate this Lease free from any right or claim of Lessee. The remedies in this section shall not be interpreted as exclusive, and in the event of a default either party may pursue any other remedy available to it at law or in equity.
23. **SURRENDER.** Lessee will surrender the Premises to Lessor upon termination of the Lease, whether by lapse of time or otherwise, broom clean, and in good order, condition, and repair, except for ordinary wear and tear. Any holding over by Lessee following the end of the term will be construed to be only a tenancy from month-to-month for which Lessee shall be required to pay rent at the same rate in effect at the end of the term.
24. **TERMINATION BY ELECTION.** Either party to this Agreement may terminate this Agreement upon one hundred eighty (180) days' written notice to the other party of its termination of this Lease.
25. **BUILDING RENOVATION.** Tenant acknowledges that Landlord may renovate the CCC during the Term of this Lease and that such renovation may entail some inconvenience to, or interruption of, the Business and its operation. Landlord shall not be liable to Tenant for any damages caused by such inconvenience or interruption (including consequential damages and lost profits) provided Landlord uses commercially reasonable efforts to minimize the same. Tenant acknowledges that any renovation of the CCC may impact the Premises in a variety of ways, including eliminate windows, impact sightlines, rearrange walls, ceilings, floors, airducts, utilities, and reconfigure, expand, shrink, eliminate, or add rooms, hallways, doors, windows, common areas, and other features throughout the CCC. Any renovation may cause Tenant to lose access to certain areas of the CCC and/or require Tenant to temporarily or permanently relocate the Business from the Premises in the sole discretion of the Landlord. Tenant acknowledges that Landlord has the right to modify Sections 1 and 2 of the Lease before, during, and after the CCC renovation, which shall include the right to terminate the Lease.

26. BINDING EFFECT. The covenants and conditions herein contained shall, subject to the provisions as to assignment, apply to and bind the heirs, successors, and assigns.

27. PRORATION OF RENT. Rent shall be prorated as necessary to adjust for partial months at the commencement or termination of this Lease, if applicable.

28. QUIET ENJOYMENT. Lessor warrants to Lessee peaceful and quiet enjoyment of the Premises, according to the terms of this Lease, and represents that it is lawfully seized of the Premises.

29. GOVERNING LAW. Lessee shall, at its sole cost and expense, comply with all the requirements of all municipal, state and federal authorities now in force or which may hereafter be in force with respect to Lessee's use of Premises, except for Lessor's obligations as defined in the Lease, and shall faithfully observe in the use of the Premises all municipal ordinances and the state and federal statutes now in force or which may hereafter be in force

IN WITNESS WHEREOF, the Lessor and Lessee have caused this instrument to be executed in duplicate on the day and year first above written.

LESSOR:

CITY OF CHASKA

By: _____
Mark Windschitl, Mayor

Date: _____

Attest: _____
Chaska Deputy Clerk

Date: _____

LESSEE:

ARTS CONSORSIUM OF CARVER COUNTY

By: _____

Date: _____

EXHIBIT "A"

Property with Premise Identified as Café Area and Adjacent Storage Closet



Chaska Community Center

1661 Park Ridge Drive - Chaska, MN 55318

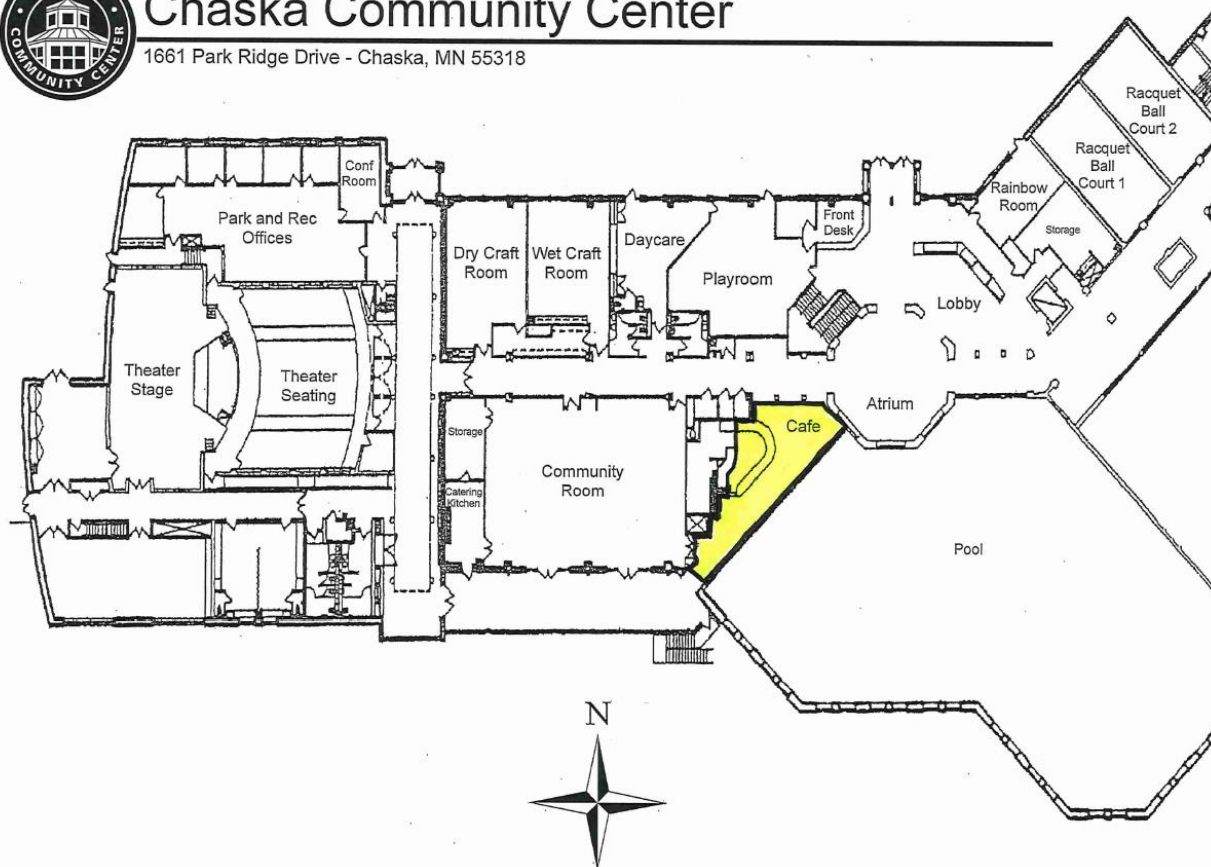


EXHIBIT “B”

Schedule of Lease Payments:

2021: \$750 per month (waive January 2021 lease payment)

2022: \$773 per month

2023: \$796 per month

REQUEST FOR ACTION CHASKA CITY COUNCIL 2/26/2024

Subject: Ensconced Woods 2nd Addition – Concept Plan

Applicant: Matthew Reiland, on behalf of Johnson – Reiland Builders and Remodelers

Location: 3675 Big Woods Blvd

Case No.: P.C. No. 2024-01

Synopsis: The applicant is requesting approval of Concept Plan for a 14-lot single-family subdivision east of Rivertown Heights

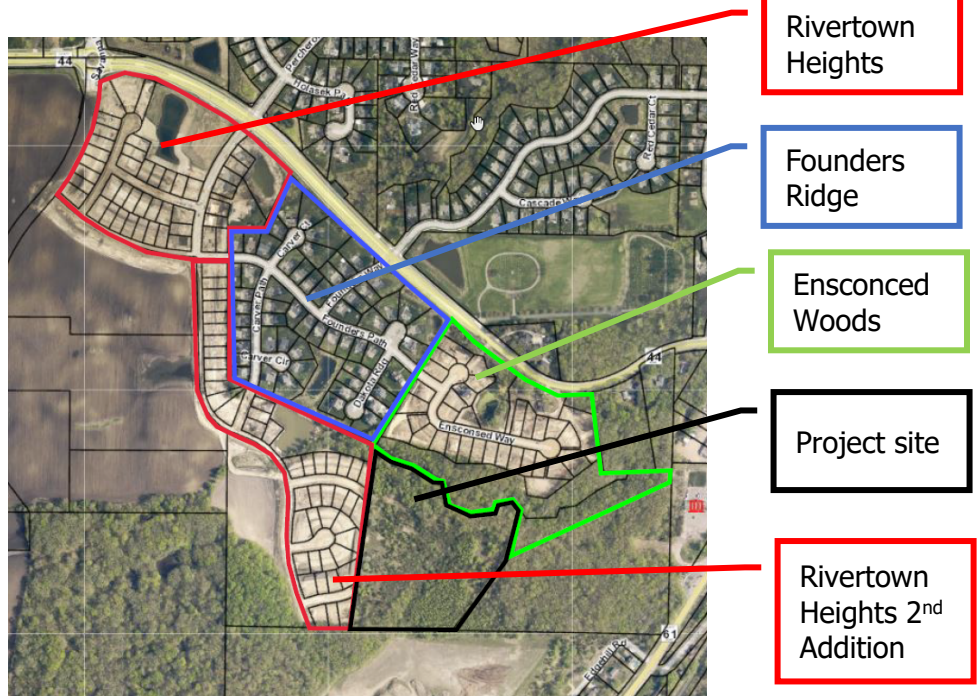
Prepared By: Ashley Cauley

Staff Recommendation: Motion to recommend approval

Introduction

The following is intended to summarize development within the surrounding area:

- Founders Ridge/ Founders Ridge 2nd Addition: The subdivisions were approved in 2013 and 2015 and have since been built out. Right-of-way (ROW) connections were provided to the east, west, and south for future developments.
- Ensconced Woods (29-lots): Approved in 2022.
- Rivertown Heights and Rivertown Heights 2nd Addition (90 total lots): Subdivisions were approved in 2022 and 2023 respectively.



A neighborhood meeting was held on Dec. 14, 2023 by the applicant for Ensconced Woods Second Addition. Three residents attended the meeting and asked questions about proposed

side yard setbacks and the location of the new homes. An Ensconced Woods [First Addition] resident contacted the applicant after the meeting to determine if access/ right-of-way was being extended from their development.

Concept Plan

The following is intended to summarize the applicant's plans:

- Existing Conditions.** The Carlson Property does not contain any constructed structures and is roughly 15.5 acres. The property has significant topography. The highest point [898.8 ft] of the property is near the western property line/ the southern ROW access connection and slopes downwards in all directions. The lowest point of the property [836.5] is along the northerly property line. Three areas of slopes exceeding 18 percent exist on the property (shown in red hatching in Fig. 1). A full tree inventory has not yet been completed but a preliminary review suggests the presence of Southern Mesic Maple-Basswood Forest.

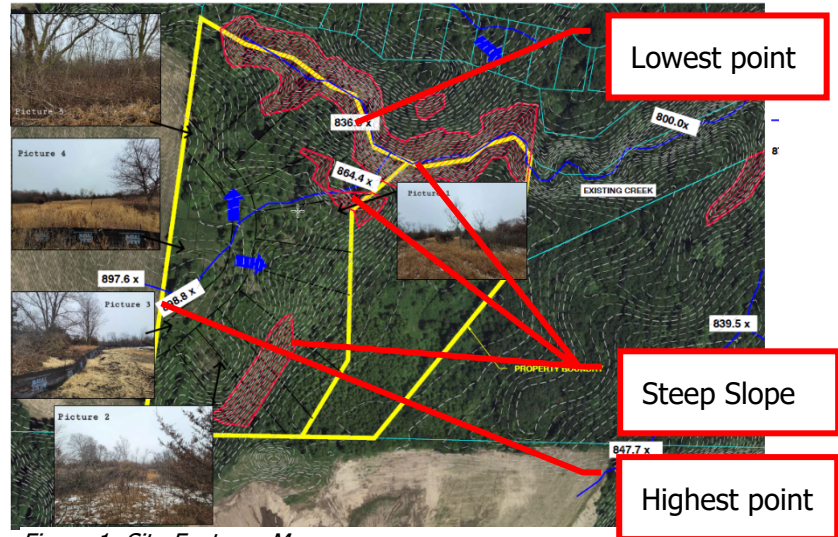


Figure 1: Site Features Map

- Concept Plan.** The concept plan contemplates the extension/ connection of the ROW connection along the western property line and 14-single single-family lots.

Goals: The applicant has identified the following goals for the project: (1) connecting to the greater community; (2) preserving existing vegetation; (3) utilizing site topography; (4) creating public and community space; and (5) providing quality architecture.

Building Type and Design: The new homes would be a mix of (1) 3-4,000+ sq. ft. in size, (2) one and two stories; and (3) two and three-car garages. Houses on Lots 1-11 would be a mix of lookouts and walkouts. Lots 12-14 are shown to be full basements.

Lot design: Lots will be 75 feet wide and range in size from roughly 11,000 – 40,000 sq. ft. The largest lots would be on the eastern side of the proposed street.

Outlot: Roughly the eastern third of the

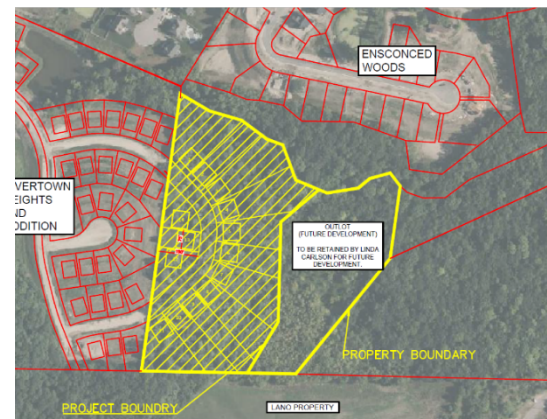


Figure 2: Outlot Exhibit

property would be placed into an outlet to be retained by the current property owner (Carlsons) for future development.

Access: Two ROW extensions were provided to the site through the Rivertown Heights 2nd Addition plat. The extensions would be connected to provide access to the newly created lots. Sidewalks would be extended through the development from Rivertown Heights 2nd Addition.

Utilities and stormwater: Utility connections are available and extended through the site. The stormwater design for Rivertown Height (to the west) anticipated the proposed continuation of development and ROW expansion. As such, stormwater would be collected and directed to stubbed infrastructure connections (connecting to storm retention basins and sedimentation ponds in the Rivertown Heights development).

- **Land Use.** The property is currently zoned O, Open Development¹. The site would be rezoned to PRD, Planned Residential Development.

Staff Analysis

- **Is the plan consistent with the comprehensive guide plan?**

The comprehensive plan guides the site as low-density residential and open space. By plan, the density range is two to five units per net acre. The plan contemplates a development a 1.3 units per acre, below the comprehensive guide plan requirement.

Adjusting the rear lot lines to the steep slope 30-foot, no-grade/ no-mow line would increase the density to 1.7 units per acre.

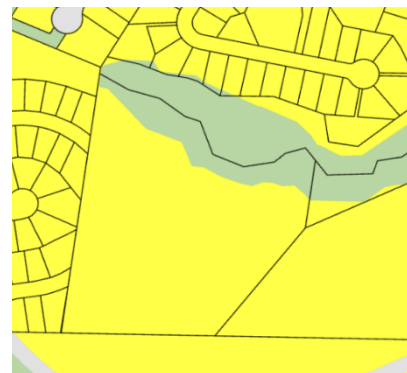


Figure 3: 2040 Comprehensive Guide Plan

- **Are the lot configurations appropriate?**

The concept plan of Rivertown Heights Second Addition contemplated 16-lot on the concept plan/ ghost plat for the subject property. However, lot configurations of Rivertown Heights lots changed slightly resulting in a slight reduction in lots on the subject property.

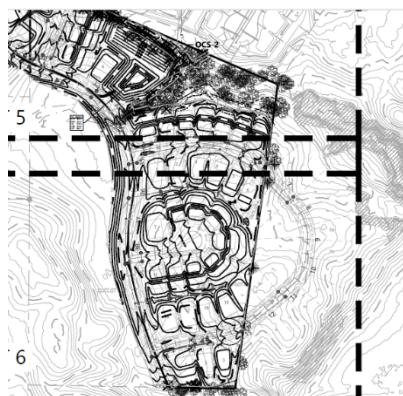


Figure 4: Rivertown Heights 2nd Addition Concept Plan

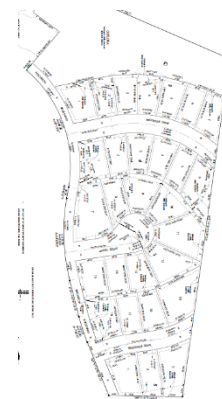


Figure 5: Final Plat Concept Plan

¹ By [City Code Sec. 15.12.190](#), the intent of the O – Open Development district is to provide a “holding zone” for land which is currently served by trunk sanitary sewer facilities but which has not yet been developed for urban use. The bulk of undeveloped land which the City’s urban service area is zoned O-Open Development. As various urban developments are proposed, the “O” District will be rezoned to the appropriate zoning district.

As shown, the lots extend into the steep slope. The applicant is proposing conservation easements - rather than platted outlots – to protect the slopes for marketing purposes and to allow space for residential amenities.

City staff is recommending the rear lot lines be adjusted to the 30-foot no grade/ no mow setback line on lots containing slopes as (1) the applicant is requesting reduced setbacks; (2) it provides the highest level of protection for the wooded steep slope; (3) the adjusted lot line would not affect structure locations as the 50-foot setback is still applicable; (4) it provides a clearer delineation of property to the future owner; and (5) increases the density to better align with the comprehensive plan’s guidance for the property. The drafted resolution includes conditions of approval to adjust the lot lines. The planning commission and council can direct staff to prepare a resolution including conditions of approval for conservation easements.

- **Are the proposed setbacks reasonable?**

Yes. The setbacks are reasonable and will be visually similar with adjacent developments while allowing for greater separation from the wooded steep slopes, as:

	Proposed Setback	Adjacent Development Setbacks	
		Rivertown Heights 2 nd Addition	Ensconced Woods
Front	23 ft	25 ft	25 ft
Side	5 ft	7.5 ft / 15 ft corner	5 ft / 15 ft corner **
Rear	20 ft	20 ft	25 ft
Steep Slope	50 ft building setback and 30 ft no grade/ no mow setback *		
* Unenclosed decks must be setback a minimum of 30 feet from the edge of the slope. ** See notes in supporting information			

- **Is the ghost plat reasonable?**

Roughly 5 acres of the property is shown to be platted as an outlot. At the request of staff, a ghost for the outlot and the 16-acre property east of the site. The ghost plat includes an additional 27 lots accessed via two newly constructed cul-de-sacs. The ghost plat is dependent on the development of the Lano Property [3730 Chaska Blvd]. As shown the cul-de-sacs are accessed via a connection to Chaska Blvd. Conceptually, the plat is reasonable. However, further review of natural features (trees, slopes, etc.) should be considered to determine if connections – rather than cul-de-sacs – are possible.

Deadline for Agency Decisions

Application Received	60-day review *	120 – day **
Jan. 2, 2024	March 2, 2024	May 1, 2024
* Pursuant to MN State Statutes the City must act on the request within 60-days. ** The city can provide the applicant with a written letter requesting an additional 60-day review period if further review is needed.		

Planning Commission Action Taken Feb. 14, 2024

The planning commission considered the proposal on Feb. 13, 2024. Staff recommended approval. At the meeting, a public hearing was opened but no one appeared to speak. Generally, the planning commission:

- Discussed whether the new neighborhood should be required to have continuity – development naming and setbacks – as Rivertown Heights (to the west).
- Discussed the proposed setbacks with the applicant. A commissioner expressed concern to the reduced setbacks and suggested the new development be consistent with Rivertown Heights 2nd Addition.
- Confirmed that a ghost plat is an exhibit and not a document guaranteeing approval.
- Commented that the development is unique with the connection to the existing Rivertown Heights development.

On a 6-1 vote, the Planning Commission recommended the City Council approval of the concept plan for Ensconced Woods 2nd Addition, a 14-lot subdivision, subject to the following conditions:

1. Approvals shall be based on the following graphic exhibits unless modified by the conditions below:
 - a. Narrative, revision dated Jan. 30, 2024
 - b. Location and adjacent property map, submitted Jan. 30, 2024
 - c. Site features map dated Dec. 28, 2023
 - d. Existing conditions dated Jan. 18, 2024
 - e. Concept plan dated Aug. 1, 2023
 - f. Sanitary sewer and grading concept dated Nov. 15, 2023
 - g. Ghost plat dated Jan. 18, 2024
 - h. Monument and house exhibits submitted Jan. 2, 2024
2. In addition to the items required by City Code Sec. 15.36.050, the following must be submitted for a preliminary plat application to be complete:
 - a. Tree inventory and preservation plan;
 - b. Grading plans; and
 - c. Landscaping plans in conformance with City Code Sec. 15.28.070.
3. Coordination with:
 - a. City Engineer regarding utilities, grading, access, and drainage.
 - b. Electrical department on service locations.
4. Compliance with City Ordinances, including:
 - a. Sec. 15.28.290, Anti-monotony and Design requirements: including LP Smartside on front elevations and 4-inch window trim on all windows.
 - b. Sec. 15.28.100, Setback from Steep Slopes: including 50 feet from the edge of the 18-percent slope and 30-foot “no-grade/ mow” zone adjacent to the 18-percent slope for purposes of erosion control.
 - c. Sec. 15.36.080, Subdivision Design Standards: including streets and sidewalk
5. Setbacks are follows:
 - a. Front yard setback: 23 - feet
 - b. Side yard setback: 5 – feet

- c. Rear yard setback: 20 – feet
- d. Steep Slope: 30-foot buffer and 50-foot setback from the wooded steep slope
- 6. The entrance sign must comply with City Code Sec. 15.32.030. As shown, the sign is located in a drainage and utility easement which may contain utilities, landscaping, and pedestrian improvements.
- 7. Adjust the rear lots lines on Lots 1-5 and Lots 7-11 to the 30-foot no-grade/ no-mow setback line.

Since the Planning Commission Meeting:

- The applicant has expressed concern regarding the condition of approval requiring the rear lot line adjustment to the 30-foot no-grade/ no-mow setback line. Staff continued to advocate for the adjustment as it would be consistent with the other developments and is intended to minimize slope encroachments and need for enforcement actions.

At the request of staff, the applicant submitted a letter detailing their position and how the sloped area would be protected. The memo is attached.

City Council Action Requested

Motion to adopt the Resolution No. 2014-18, approving the concept plan for Ensconced Woods 2nd Addition, a 14-lot subdivision, at 3675 Big Woods Blvd. (PC #2024-01).

Supporting Information

The planning commission report indicated that the side yard setback for Ensconced Woods was seven feet instead of five feet.

To clarify the update:

- Ensconced Woods was originally approved with 7.5-foot side yard setbacks as part of the rezoning in March 2022. The plans approved as part of the rezoning described and depicted a 5-foot setback.
- In Jan. 2023, the council adopted Ord. No. 1030, a zoning ordinance amendment to accurately reflect the 5-foot setback shown on the plans.

The staff report for the council has been updated to accurately reflect the adopted setbacks.

Date 1/2/2024 (Rev 1/30/24)

To: City of Chaska

From: Paul Reiland, Ensconced Woods LLC and Johnson-Reiland Builders & Remodelers

Re: Ensconced Woods Phase 2 concept plan review

Thank you for taking the time to review our concept plan for Ensconced Woods (Second Addition). The property and site features are located east of the Rivertown Heights Plat and south of the existing Ensconced Woods (first addition). The property associated with this request is currently owned by the Carlson family and part of PID 300085610 which is 15.5 acres. This concept plan consists of about 10 acres of wooded, rolling terrain. There are no structures on this property.

The slopes going down to the creek and over the bluff will be left undisturbed creating dynamic views to the east and southeast over the MN River Valley. This concept plan determined that the drainage ponding will all go into the Rivertown Heights plat. Much of the property is enveloped in defined steep slope as shown on the site plan. This area will remain undisturbed and be kept in its natural wooded state keeping views toward the creek.

Location: This larger lot neighborhood with custom homes is conducive to the existing features on site while meeting the minimum density requirement; saving a large portion of the existing trees on site, creating no impact to the steep slopes, and providing a large open space area along the creek which will be conveyed to the city as an out lot and publicly held but maintained in a conservation easement in perpetuity. These lot sizes, density and setbacks are a “mirror” of the existing Ensconced woods. That includes 5-foot side setbacks. We have proven we can do this without any issues or loss of aesthetic value. The homes in this phase compare well with Rivertown Heights, however will likely have much larger pads designed to fit the potential of one story and two story homes that are very custom.

Zoning: The property is currently zoned Open. We will request a rezoning to R1 PUD. Land use the 2040 comprehensive plan designates the property for low density residential which allows for 2-5 units/acre net. The concept plan as shown is below the minimum 2 units/acre net. This is due to the significant slopes and bluff areas that cannot be developed.

Infrastructure: We are proposing a public road connection from the Rivertown Heights development as shown in the attached paperwork. The site will connect the community to Big Woods Boulevard using the road network currently in construction. This will give people pedestrian, bicycle, or vehicle access directly into downtown Chaska, easy access to County Road 41, and to the new community park. The site will be mass graded leaving as many of the perimeter trees intact as possible, as well as leaving the sloped woodland down to the creek, the wetland, and wetland buffer undisturbed.

Brand: Johnson-Reiland (and/or similar custom home building partners) has worked for 50 years now to build our award-winning brand and look forward to constructing our custom homes. Our image and reputation in this new neighborhood should help to enhance the quality and character for this wonderful historic river town. Please see the concept on the attached flyers for this phase which will have a very similar concept from Ensconced woods Phase 1. It is our expectation that our custom homes will speak volumes, in terms of our brand, our quality, and the pride we have in our designs and

workmanship. The homes will be offered starting in the upper \$800's (including lot value). Please see attached informational sheets which show examples of homes you may see here.

Lot designs: While we are exceeding the minimum width and area requirements, we are asking for flexibility for setbacks. We are requesting 23' front yard setbacks as opposed to 30' required in R-1 districts. Reducing the front yard setback to 23' is becoming standard across the metro, as it reduces the amount of impervious surface coverage with shorter driveways, as well as allowing shorter, more efficient services to individual homes. R-1 requires 30' rear yard setback. We are requesting 20' rear yard setbacks. This 10' reduction is in response to customers asking for sports courts or 3 season porches added to the back of their homes. We are proposing larger lots than are required and just meeting the low end of the required density as per the 2040 land use plan.

Grading and Tree Preservation: It is anticipated that the site will be mass graded for the 14 new lots. To reasonably grade the proposed road and building pads, the trees that currently exist within the proposed road, front yards, and building pads will be removed. We will make every effort to save trees wherever possible within the grading area. We understand that the woodlands are of importance to the City, and we will make every effort to save what can be saved. The steep slopes will remain in their natural state saving a large portion of the existing woodland. By making larger lots than are required in an R-1 district and reducing the front yard setbacks and interior rear yard setbacks (reduced rear yard interior setbacks places more land within the outlots). The Southern Mesic Maple-Basswood Forest cover type is made up of young to mature deciduous trees that are typical of this native plant community. This plant community is commonly found associated with ravines having moderate to steep slopes in this part of Carver County along the Minnesota River Valley.

Project Goals: The proposed development will provide the City of Chaska with a neighborhood whose goals are consistent with the City's Mission Statement and Core Strategies. The five development goals include: connecting to the greater community; preserving existing vegetation; utilizing site topography; creating public and community space; and providing quality architecture.

Connecting to the Greater Community: One overarching goal of the project is to connect with the greater community of Chaska. The potential residential development is close to downtown Chaska, ensuring that residents have convenient access to services they need. Pedestrian trails and sidewalks will ultimately connect to the existing 90+ mile network of community trails in the city. The connection to the existing Rivertown Heights 2ND Addition will allow residents of surrounding developments and neighborhoods to walk or bike to downtown Chaska for services and entertainment.

Utilize Site Topography: The proposed development will utilize existing topography to protect and preserve the wooded areas adjacent to the home sites. The site stormwater drainage has been designed to be handled by the storm retention basins and sedimentation ponds in Rivertown Heights development to the west. This will help save trees within the Ensconced Woods 2ND neighborhood.

Creating Community Space: The project will protect the area that will border the existing natural ravines, and woodland. The open area is adjacent to dense tree stands and steep slopes creating recreational opportunities for the residents. The extended sidewalks provide access to a future community park area to the west of the neighborhood allowing equal access from homes to the City Park. The maximum distance from a single-family residence is less than a 1/4 mile, approximately a five-minute walk.

Future Development: The remaining portion of the Carlson property to the east (16 ac) including the Outlot portion (5.3 ac) of our site has been ghost platted and design in similar fashion as Ensconced Woods 2ND. Linda Carlson will retain ownership of all this property, with Ensconced Woods LLC will has an ownership interest – for future development. During concept planning for the site- we tried to provide an access road to connect to this portion of the site, but we were directed by staff that our design would not be acceptable due to impacts to wooded steep slope areas. Access to the eastern portion of the property will have to be provided through development of the Lano property to the south.

Thank you for taking the time to review our concept plan for Ensconced Woods 2ND Addition.

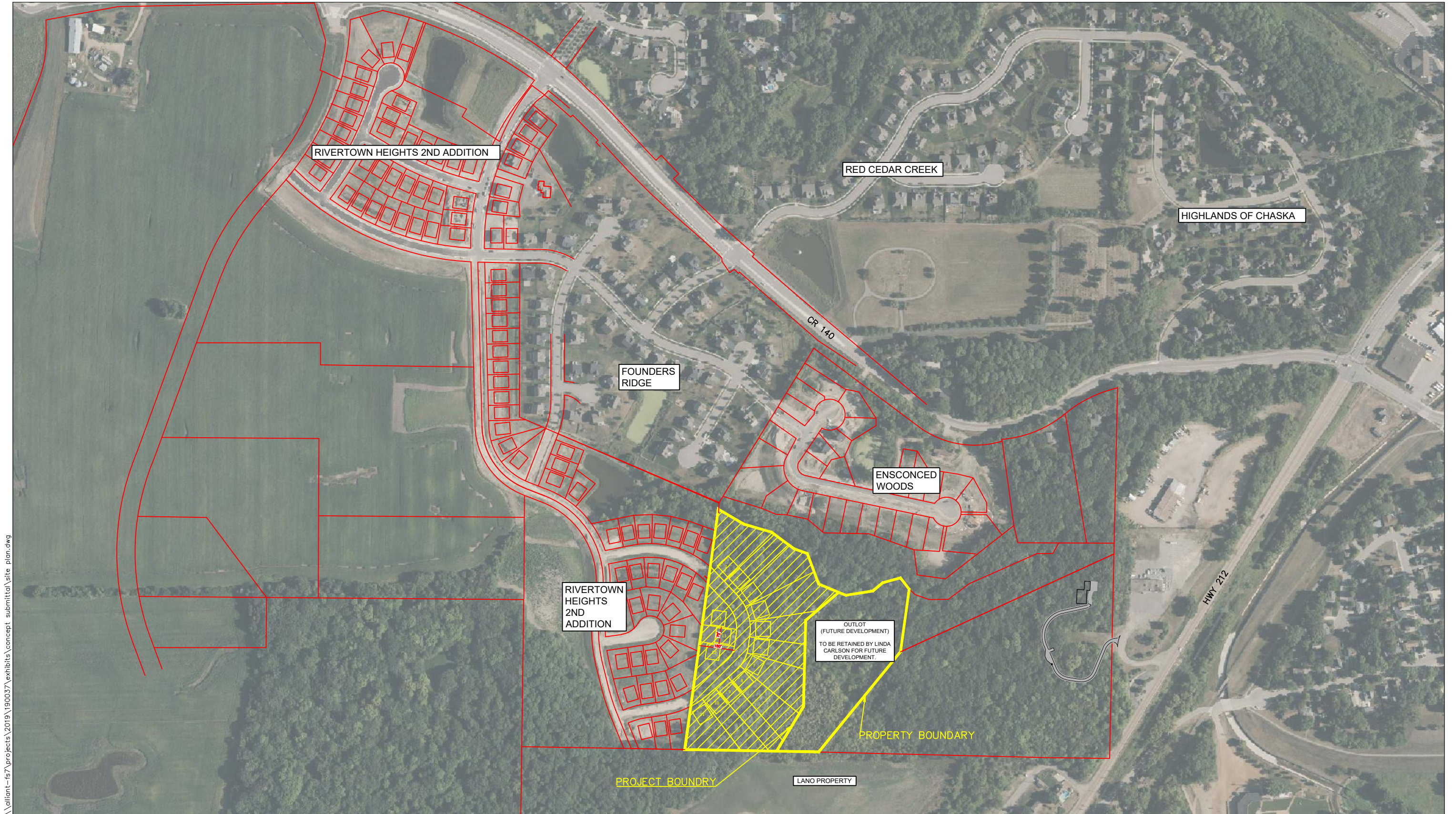
Appendix A- Legal Description

Commitment No.: 230619

The Land referred to herein below is situated in the County of Carver, State of Minnesota, and is described as follows: That part of the Northwest Quarter and the North Half of the North Half of the Southwest Quarter of Section 8, Township 115, Range 23, Carver County, Minnesota, described as follows:

Commencing at the northeast corner of the northwest Quarter of said Section 8; thence on an assumed bearing of South 01 degrees 18 minutes 02 seconds West along the east line of said Northwest Quarter, a distance of 2430.30 feet; thence South 65 degrees 20 minutes 32 seconds West, a distance of 1026.71 feet to the actual point of beginning of tract to be described; thence South 39 degrees 14 minutes 59 seconds West, a distance of 565.15 feet to the north line of the South Half of the North Half of said Southwest Quarter, thence North 88 degrees 57 minutes 33 seconds West along said north line, a distance of 585.80 feet to the southeast corner of Outlot D, FOUNDERS RIDGE, according to the recorded plat thereof, said Carver County; thence North 07 degrees 57 minutes 43 seconds East along the easterly line of said Outlot D, a distance of 1061.44 feet; thence South 59 degrees 39 minutes 01 seconds East, a distance of 129.63 feet; thence South 73 degrees 51 minutes 18 seconds East a distance of 125.61 feet thence South 53 degrees 22 minutes 55 seconds East a distance of 121.30 feet; thence South 70 degrees 22 minutes 56 seconds East a distance of 63.16 feet; thence South 20 degrees 15 minutes 55 seconds East, a distance of 141.68 feet; thence South 67 degrees 18 minutes 09 seconds East a distance of 128.30 feet thence North 80 degrees 59 minutes 37 seconds East a distance of 119.84 feet; thence North 50 degrees 33 minutes 30 seconds East, a distance of 57.19 feet; thence North 74 degrees 35 minutes 47 seconds East, a distance of 79.84 feet; thence South 37 degrees 31 minutes 18 seconds East, a distance of 62.90 feet to the intersection with a line that bears North 07 degrees 58 minutes 02 seconds East, from the point of beginning; thence South 07 degrees 58 minutes 02 seconds West a distance of 276.87 feet to the point of beginning.

Abstract Property

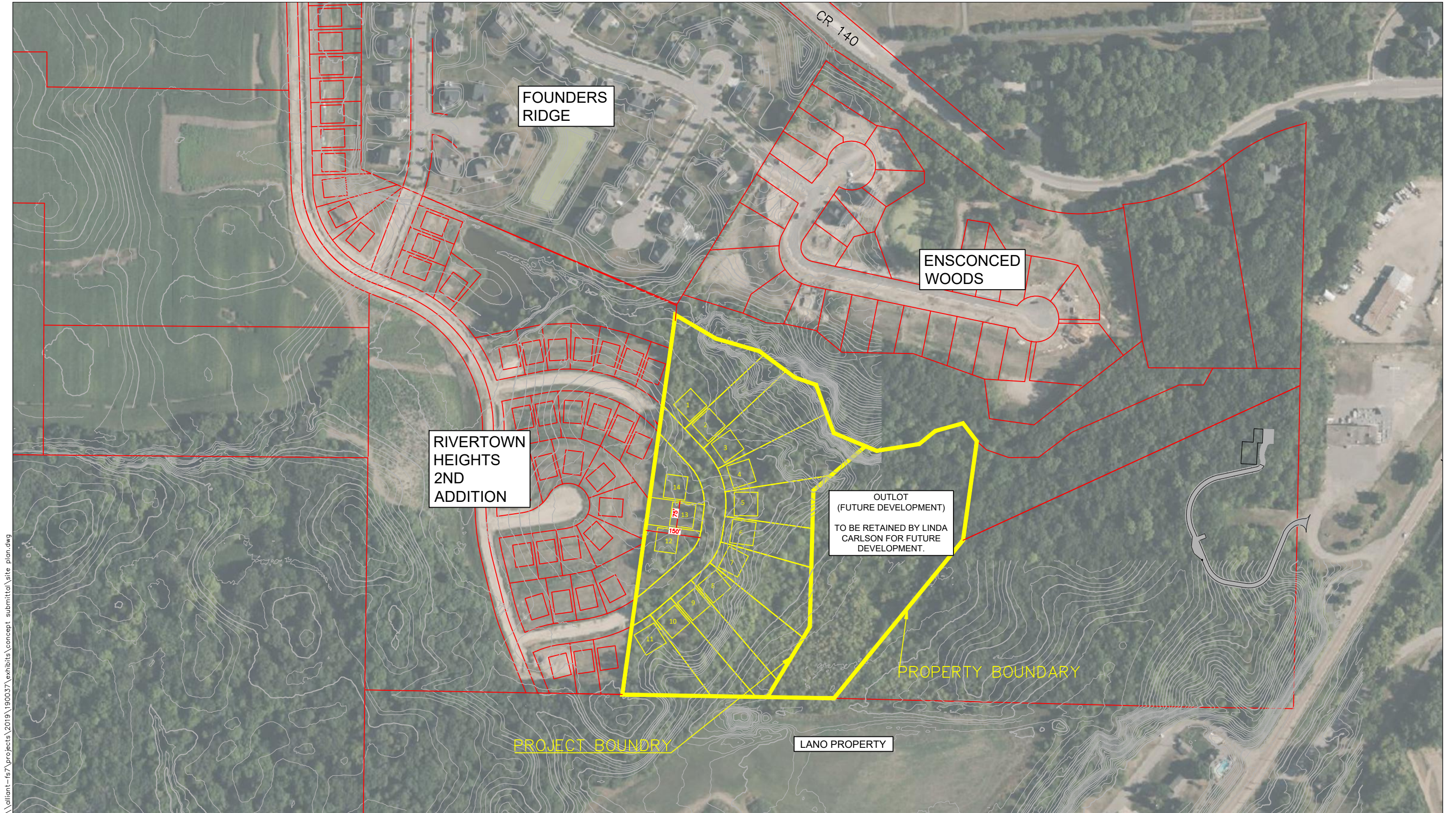


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LOCATION MAP EXHIBIT

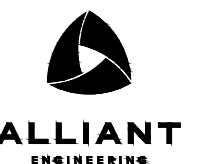
CHASKA, MN

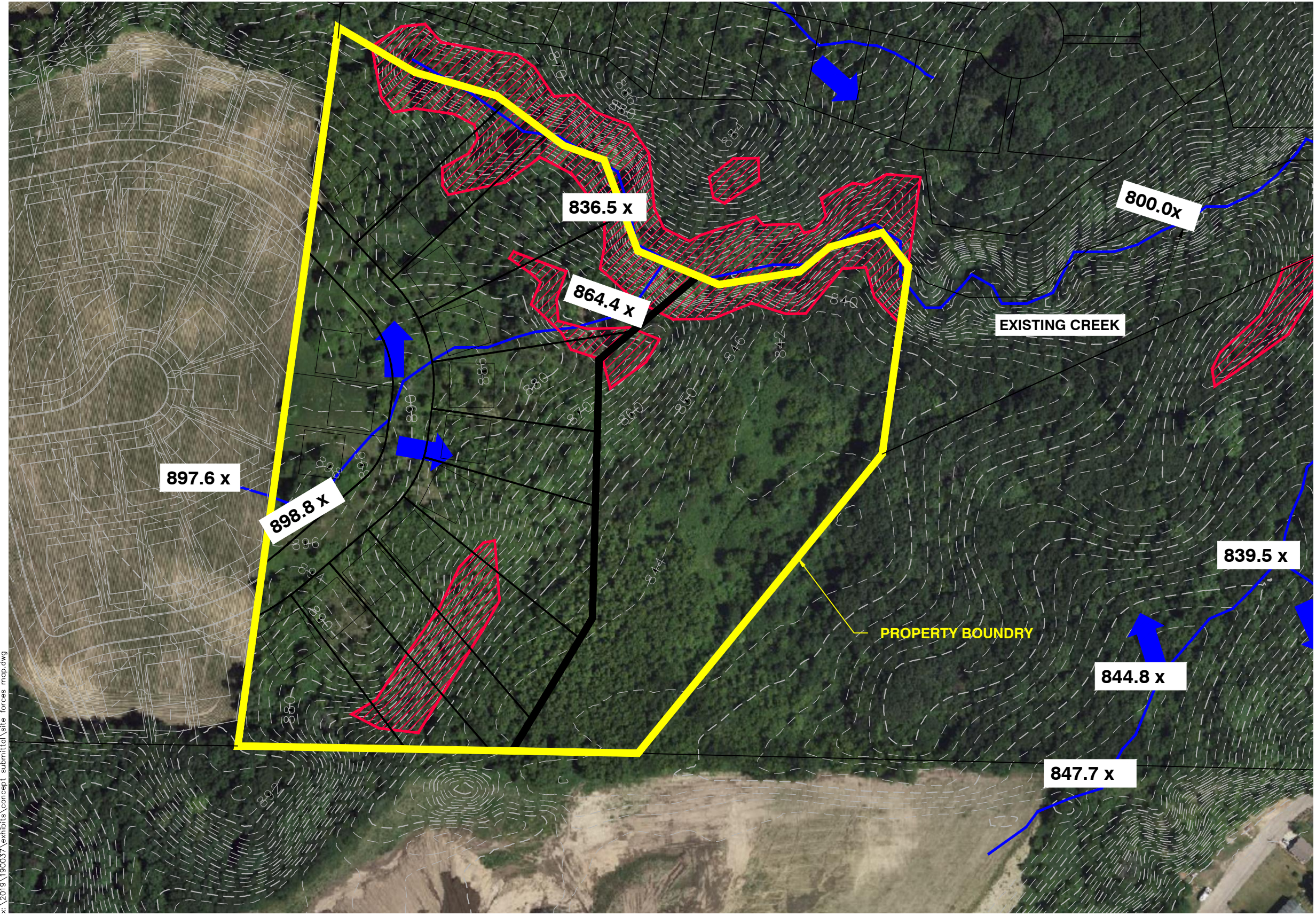




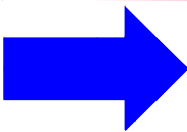
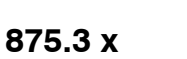
ADJACENT PROPERTY MAP EXHIBIT

CHASKA, MN





LEGEND:

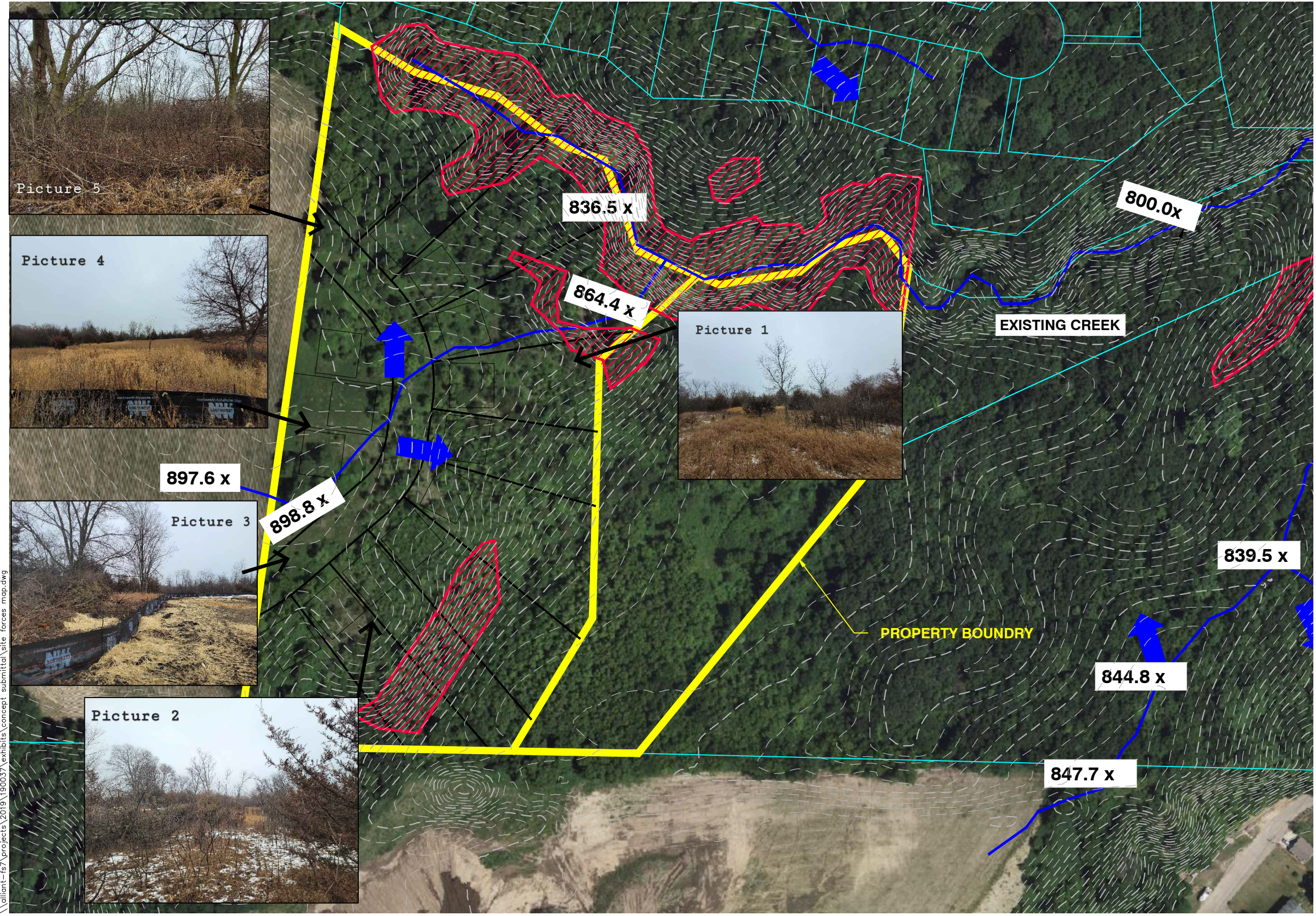
-  STEEP SLOPES >18%
-  DRAINAGE FLOW
-  DRAINAGE DIVIDES
-  EXISTING ELEVATIONS
-  PROPOSED PROJECT TO DRAIN TO EXISTING DR. HORTON POND

CARLSON PROPERTY - SITE FEATURES MAP
CHASKA, MINNESOTA



DATE: 12-28-2023
DRAWN BY: BJP
SCALE: 1" = 150'





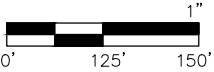
LEGEND:

- STEEP SLOPES >18%
- DRAINAGE FLOW
- DRAINAGE DIVIDES

875.3 x EXISTING ELEVATIONS

PROPOSED PROJECT TO DRAIN TO EXISTING DR. HORTON POND

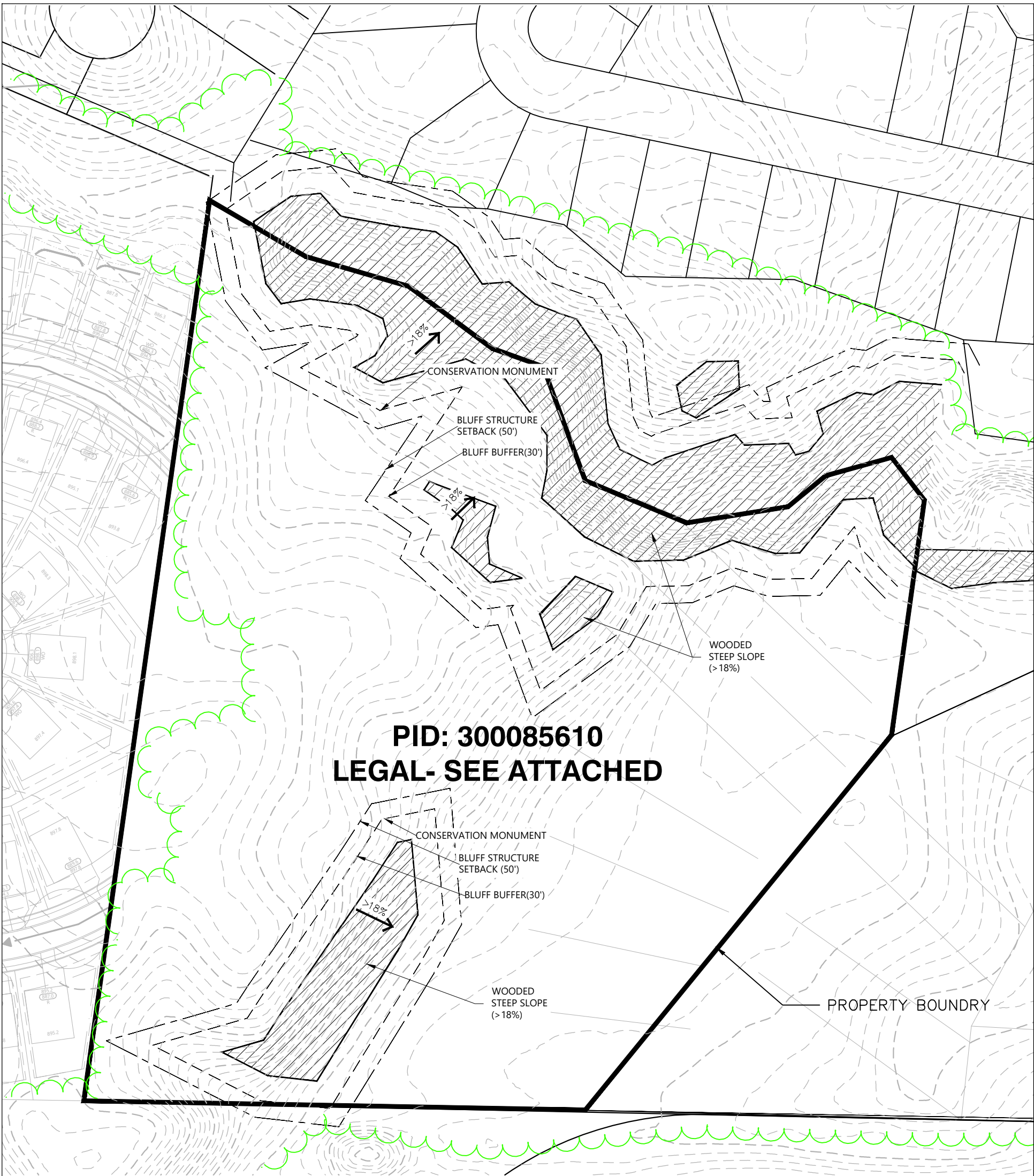
CARLSON PROPERTY - SITE FEATURES MAP
CHASKA, MINNESOTA



DATE: 12-28-2023
DRAWN BY: BJP
REVISED: JP 1.26.24
SCALE: 1" = 150'



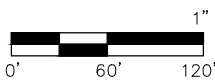
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LEGEND:

- RIVERTOWN HEIGHTS PROPOSED GRADING CONTOURS
- EXISTING CONTOURS
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- WOODED AREA- INVENTORY AT PRELIMINARY PLAT
(SOUTHERN MESIC MAPLE-BASSWOOD FOREST
COVER TYPE IS MADE UP OF YOUNG TO
MATURE DECIDUOUS TREES)

CARLSON EXISTING CONDITIONS
CHASKA, MINNESOTA



DATE: 12-28-23
DRAWN BY: AKA
REVISED: 1/18/24 JP



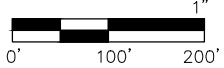


SITE DATA:	
MIN LOT	75'X115"
RIGHT-OF-WAY	60'
CUL-DE-SAC	60'
REAR LOT SETBACK	20 FT
FRONT LOT SETBACK	25 FT
STEEP SLOPE SETBACK	30 FT
STEEP SLOPE STRUCTURE	
SETBACK	50 FT
WETLAND BUFFER	30 FT
COUNTY ROAD SETBACK	125 FT
PROPOSED LOT COUNT	41

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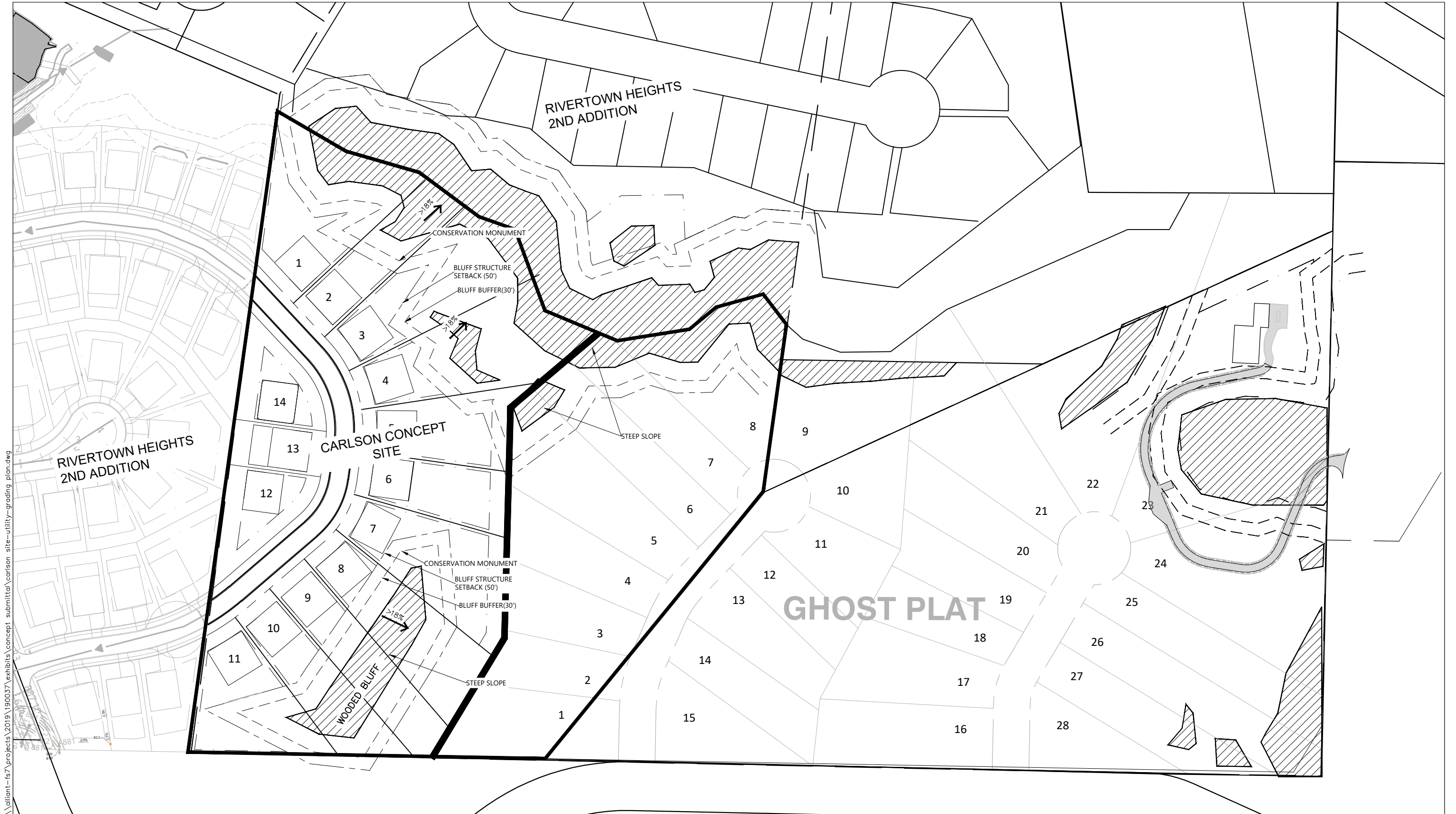
CARLSON PROPERTY- CONCEPT JOHNSON REILAND

CHASKA, MN



DATE: 8/1/23
DRAWN BY: JP

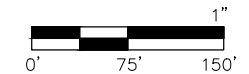




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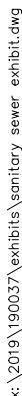
CARLSON PROPERTY GHOST PLAT

CHASKA, MN

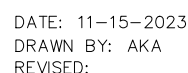


DATE: 1/18/2024
DRAWN BY: JP
REVISION:



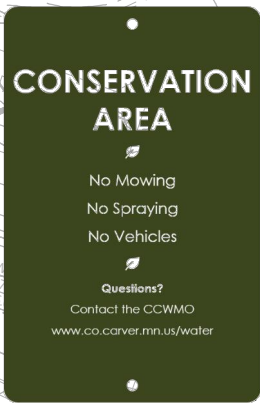


- * PROPOSED PADS ARE 65'X65' WITH 10' BASEMENTS. FRONT SETBACK = 23

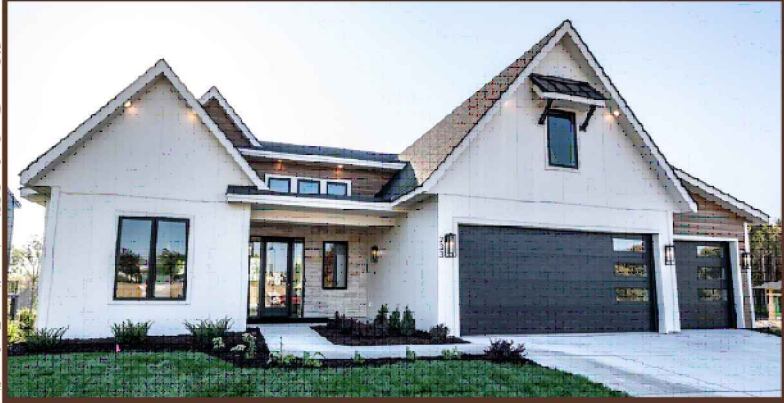


EXISTING ZONING: OPEN
PROPOSED ZONING: R1 PUD
2040 COMP PLAN- LOW DENSITY RESIDENTIAL
GROSS AREA: 674,576 SF (15.49AC)
LESS STEEP SLOPE AREA: 226,241 SF (5.19 AC)
NET AREA: 448,335 SF (10.29 AC)
NET DENSITY: 1.36 UNITS/AC

CONSERVATION MONUMENT SIGN



SIGNS MUST BE IN PLACE BEFORE INDIVIDUAL LOT CONSTRUCTION BEGINS



RIVERTOWN HEIGHTS 2ND ADDITION

MONUMENT SIGN AND LOCATION



OUTLOT FOR FUTURE DEVELOPMENT

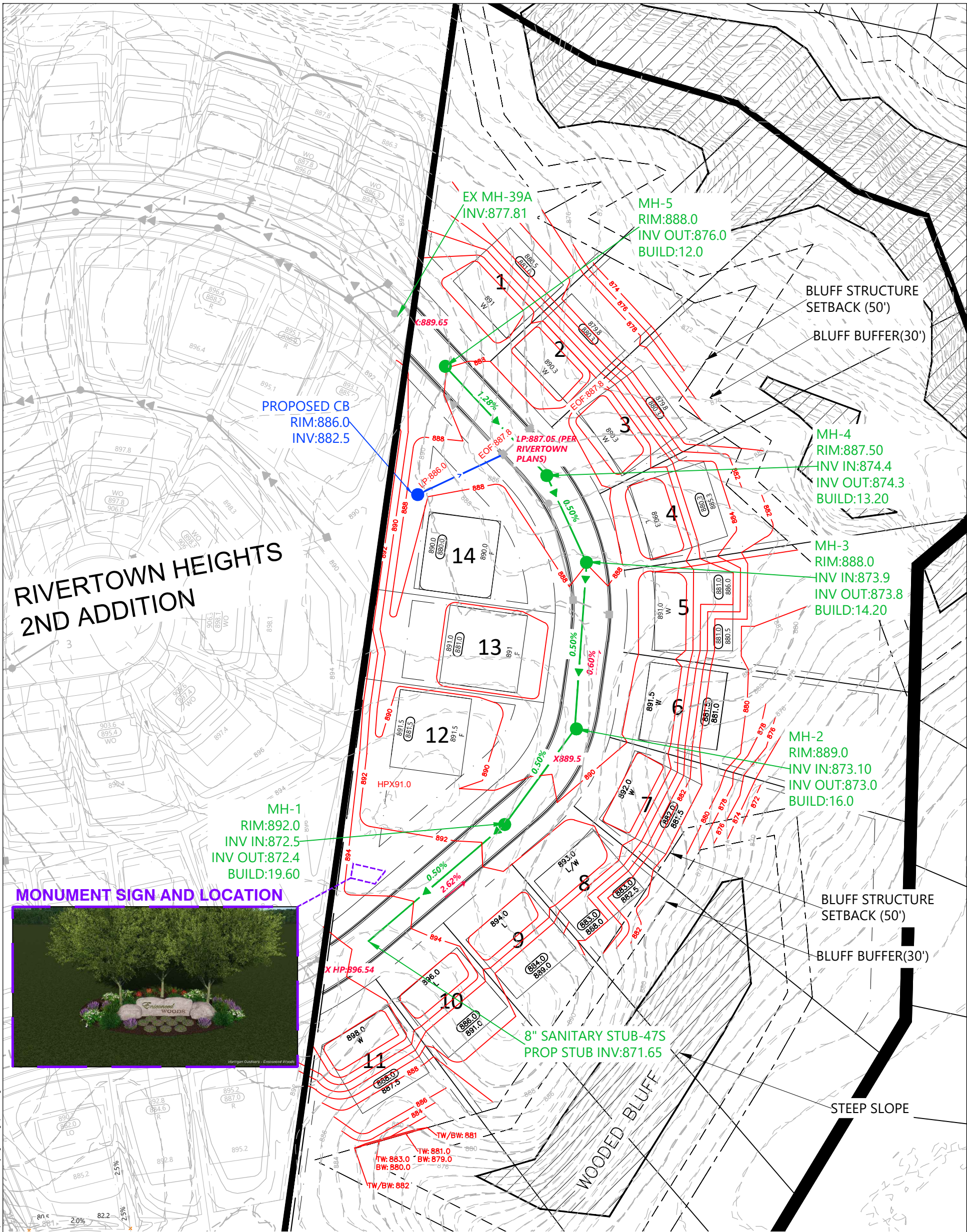
- PROPOSED SANITARY SEWER (MIN GRADE OF 0.5%)
- PROPOSED STORM SEWER (INVERT SET BASED OF RIVERTOWN HEIGHTS 2ND PLANS)
- PROPOSED RIVERTOWN HEIGHTS SANITARY SEWER
- PROPOSED RIVERTOWN HEIGHTS STORM SEWER
- PROPOSED CONCEPT CONTOURS
- RIVERTOWN HEIGHTS PROPOSED GRADING CONTOURS
- EXISTING CONTOURS
- STEEP SLOPES (>18%)
- CONSERVATION MONUMENT SIGN

* PROPOSED PADS ARE 65'X65' WITH 10' BASEMENTS. FRONT SETBACK = 23', SIDE SETBACKS = 5' REAR=20'

CARLSON SITE, SANITARY SEWER AND GRADING CONCEPT
CHASKA, MINNESOTA

North arrow, scale bar (0' to 80'), and date/drawn/revised info.





RIVERTOWN HEIGHTS 2ND ADDITION

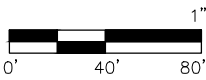
MONUMENT SIGN AND LOCATION



- PROPOSED SANITARY SEWER (MIN GRADE OF 0.5%)
- PROPOSED STORM SEWER (INVERT SET BASED OF RIVERTWON HEIGHTS 2ND PLANS)
- PROPOSED RIVERTOWN HEIGHTS SANITARY SEWER
- PROPOSED RIVERTOWN HEIGHTS STORM SEWER
- PROPOSED CONCEPT CONTOURS
- RIVERTOWN HEIGHTS PROPOSED GRADING CONTOURS
- EXISTING CONTOURS (LIDAR)

* PROPOSED PADS ARE 65'X65' WITH 10' BASEMENTS. FRONT SETBACK = 23', SIDE SETBACKS = 5'

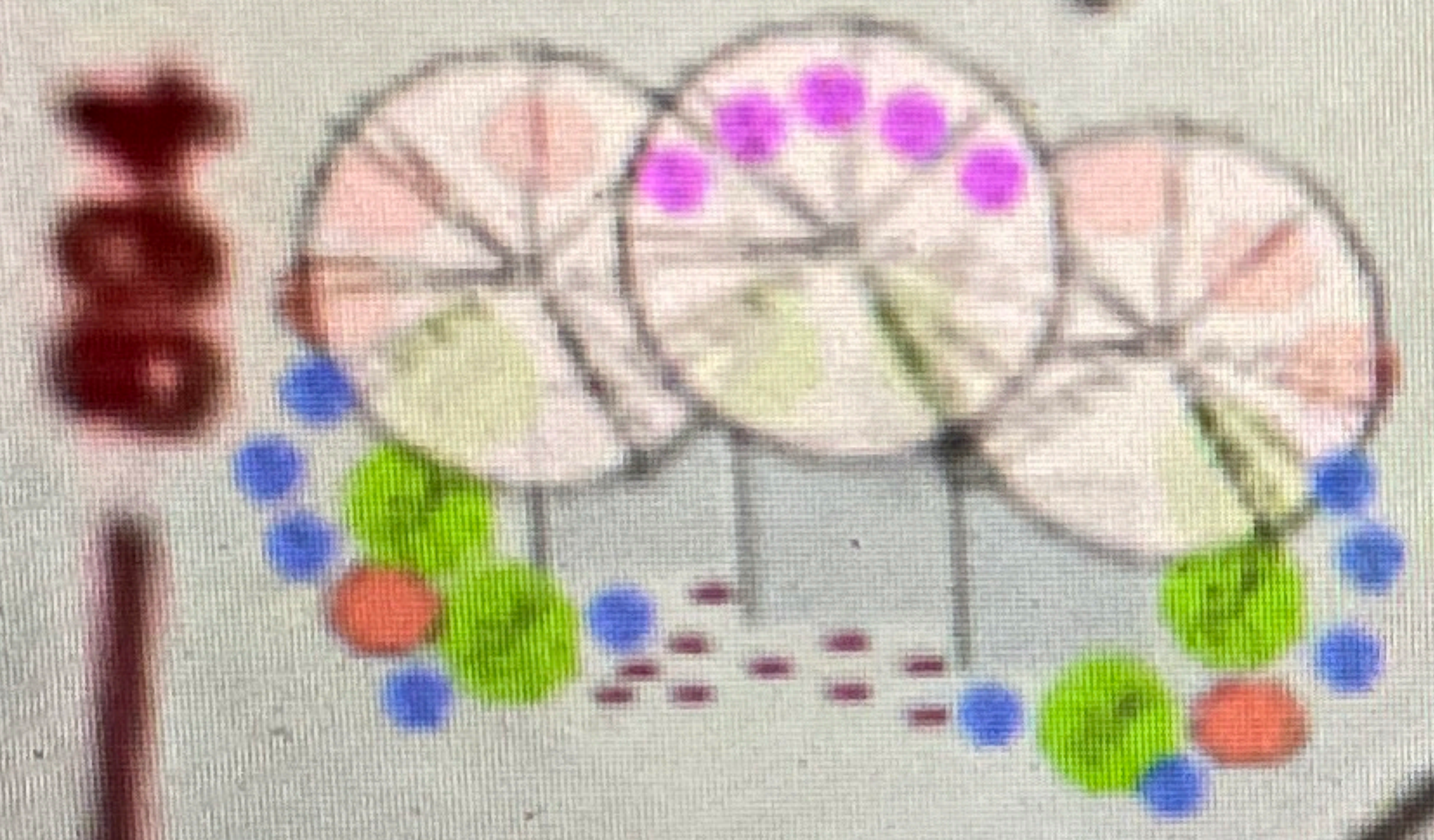
CARLSON SANITARY SITE, UTILITY AND GRADING CONCEPT CHASKA, MINNESOTA



DATE: 9-28-2023
DRAWN BY: AKA
REVISED:



1
0
5
4
60



894

892

0.50%

2.62%

894.0

894

EX HP-B96.54



Sweetgum

Plan Summary



Ideal FAMILY LIVING

Welcome to this elegant, modern family home! Featuring a luxurious vaulted owners suite, three bathrooms, and comfortable family and entertainment spaces throughout. This age in place barrier-free design can work for any family. The main living area boast a large kitchen with a built in pantry, accompanied by vaulted ceilings in the dining area. The front study is complete with built in shelving. The lower level provides ample space for hobbies and personal activities. Along with plenty of entertainment value including the wet bar, wine cellar, sauna and access to a screened porch and 4 season patio with a large outdoor fire pit. Schedule a tour of our custom-built homes today!



Home DETAILS

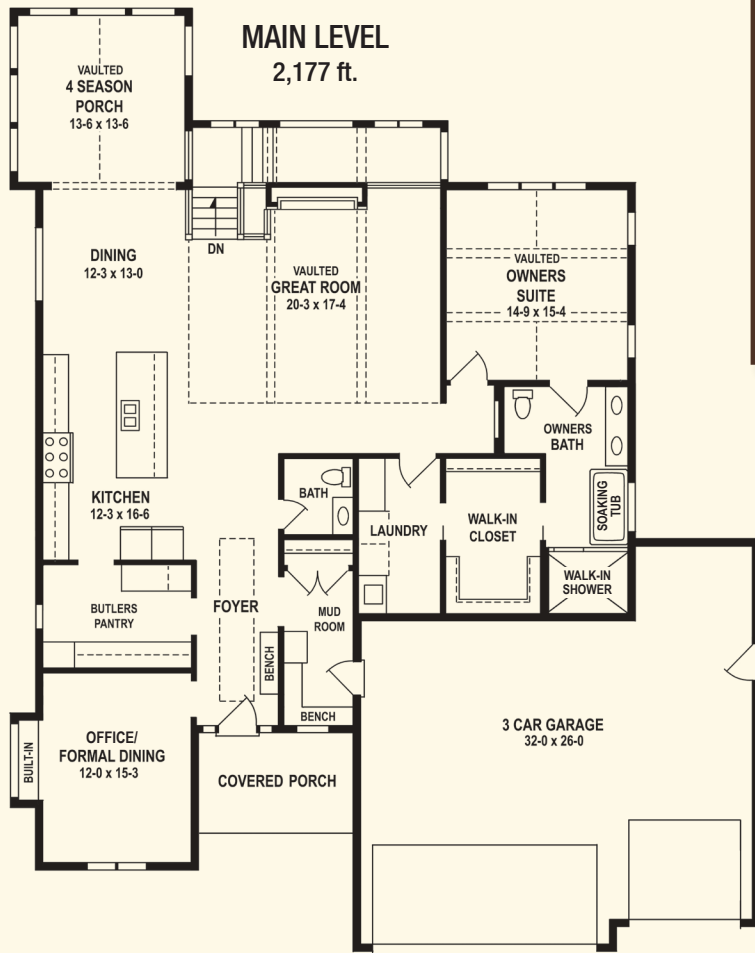
- 4,165 sq. ft., 3 stall garage with mud room access
- Luxurious owner's suite with vaulted ceilings and a roomy walk in closet
- Spacious family room with a wet bar, wine cellar, sauna, and extra space for a game or workout room
- Screened patio, outdoor kitchen, gas firepit, additional 4 season porch on the top level
- 3 to 5 bedrooms, 3 bathrooms, sizable laundry room
- Open concept living room and kitchen with large walk in pantry



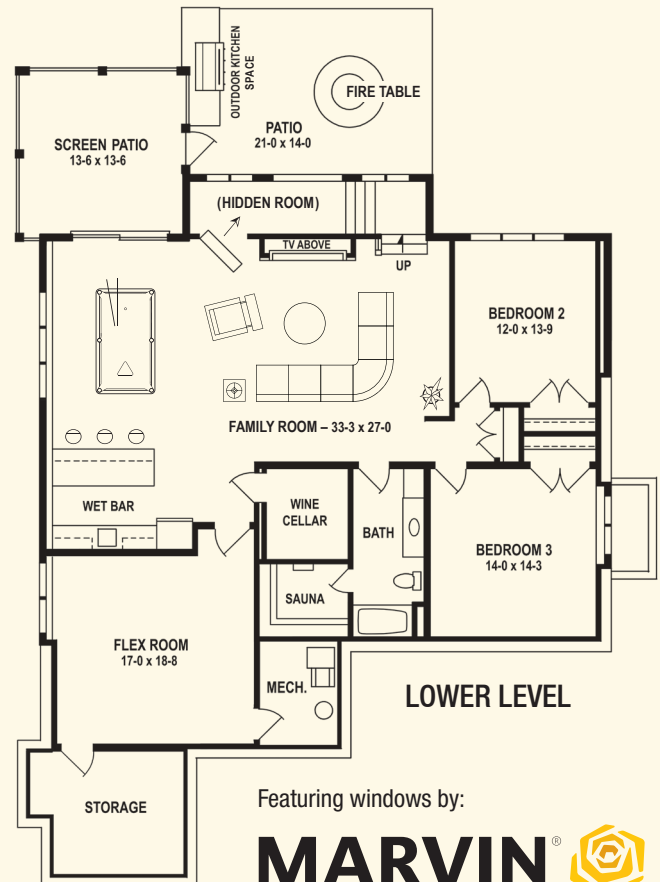
For almost 50 years Johnson-Reiland has been a family-owned custom build and design firm that is the winner of multiple Reggie awards from Housing 1st Twin Cities builders association.



Sweetgum Plan Layout



Elegant
Design Details
Exceptional
Craftsmanship



Featuring windows by:

MARVIN



Builders ID BC636389

507.366.1288 | jrbr.builders



Coneflower

Plan Summary

FARQUAR LAKE

APPLE VALLEY, MN



Ideal FAMILY LIVING

Welcome to this elegant, 6-bedroom family lake home! Conveniently located in Apple Valley, home of the Minnesota Zoo and just 5 minutes from Mall of America & Twin Cities premium outlets. Featuring 4 luxurious bedrooms, 2 guest rooms and a front study, plus spacious family and entertainment rooms throughout. The main living area has a large kitchen with a walk in pantry and dining area including comfortable access to the outdoors with a gorgeous deck overlooking the lake. The lower level provides ample space for hobbies, personal activities and plenty of entertainment value with additional space for storage. Schedule a tour of one of our custom-built homes today!

Home DETAILS

- 6 Bedrooms and 5 bathrooms, plus upstairs laundry
- 3 Stall garage with mud room access
- Spectacular lakeshore development with million dollar views and 1-acre lots
- Equal-distant from Minneapolis & St. Paul downtowns and is centrally located to most attractions

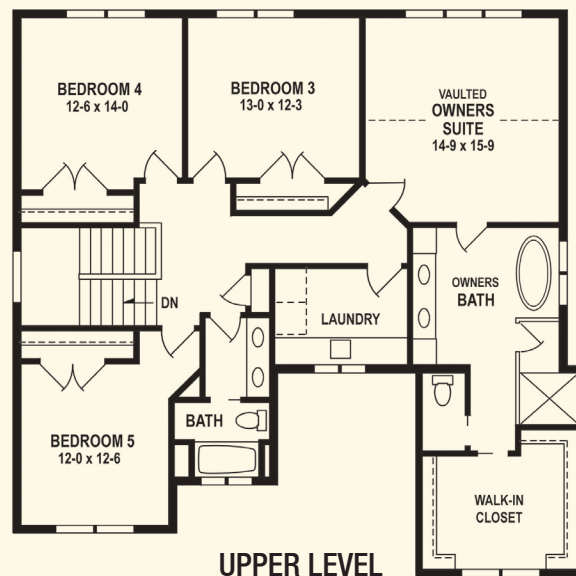


Johnson-Reiland is a family-owned custom build and design firm that is the winner of four Reggie awards – come design your custom home with us today!

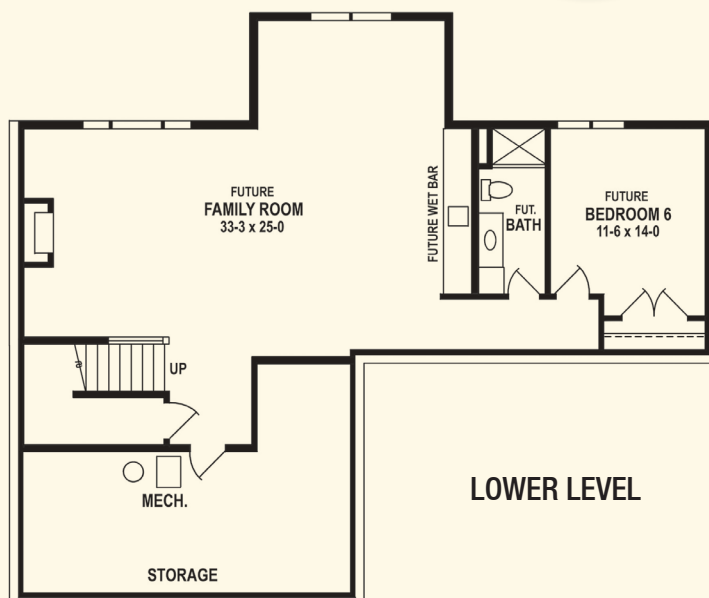


Coneflower Plan Layout

Featuring windows by:



*Elegant
Design Details &
Exceptional
Craftsmanship*



Builders ID BC636389

507.366.1288 | jrbr.builders





HOME DETAILS

- 4 bedrooms and 3 bathrooms on 2 levels
- 3,219 sq. ft. with 3 garage stalls
- Accessibility features, including 3' wide doorways, main floor laundry and no barrier walk-in shower, and no steps from garage into house
- Award Winning Northfield School District (ISD #659) – Sibley Elementary
- Miles of paved walking trails in the neighborhood
- Easy access to nearby Spring Creek Park Soccer Complex and planned regional park

Johnson-Reiland welcomes you to this four bedroom, three bath, single family home. Located in a growing neighborhood on the southeastern corner of Northfield, the property offers convenient access to miles of walking trails, nearby schools and soccer fields, and local and regional parks. The home also features Universal Design – accessibility options that provide a beautiful, creative and uplifting home for anyone looking to age in place.



Builders ID BC636389

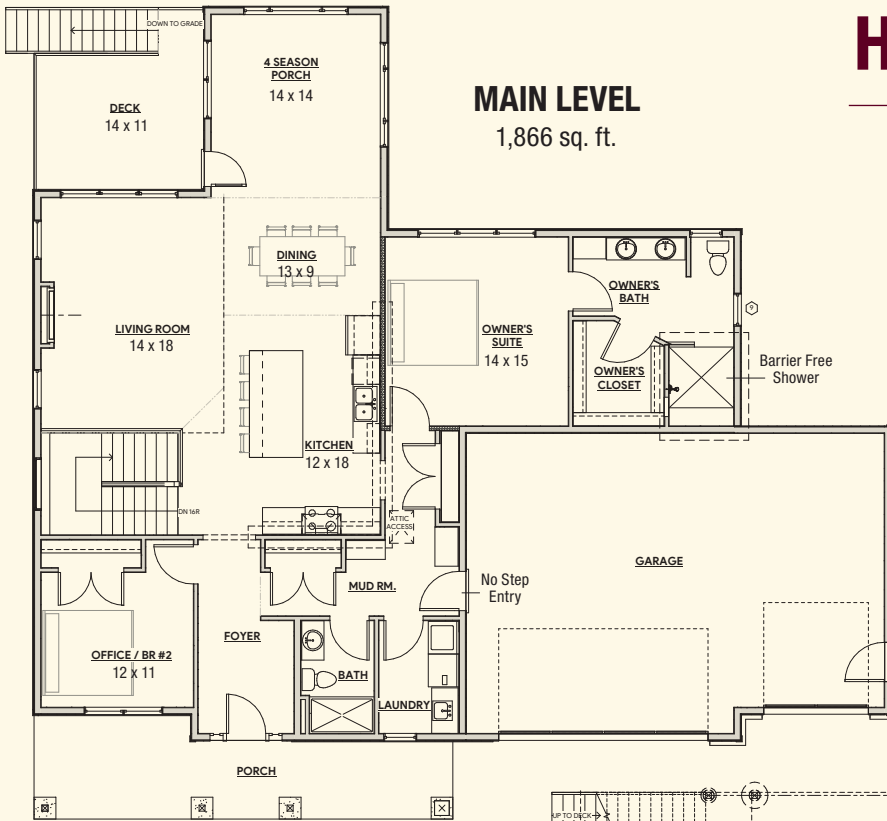
507.366.1288 | www.jrbandr.com



Hills of Spring Creek

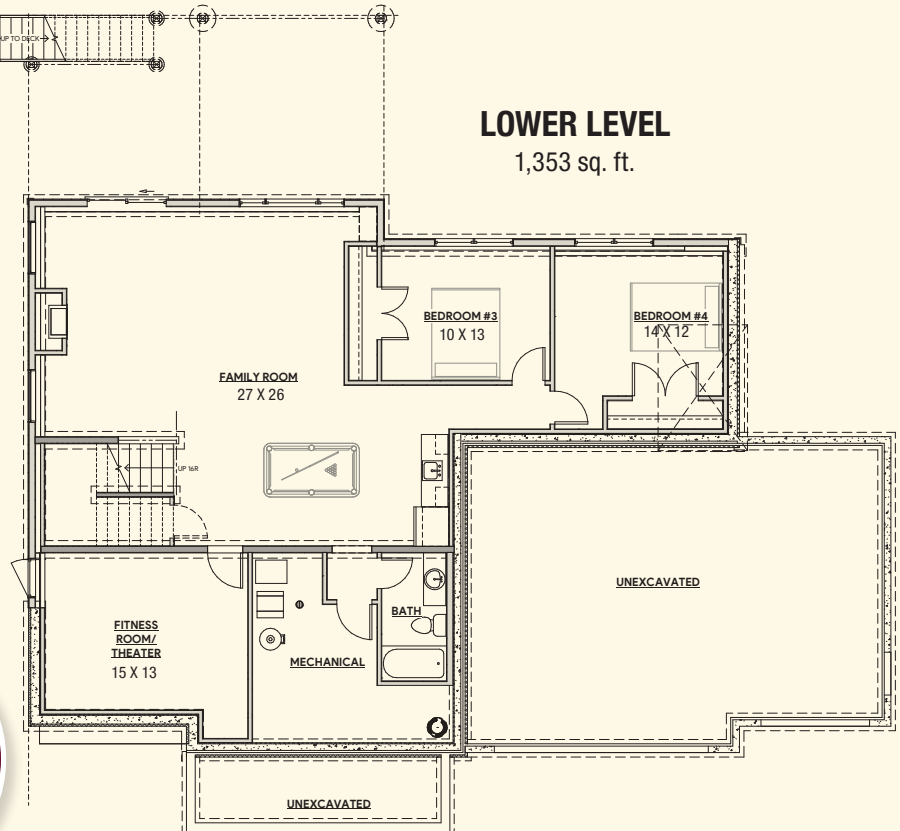
Featuring windows by:

MARVIN 



LOWER LEVEL

1,353 sq. ft.



*Elegant
Design Details &
Exceptional
Craftsmanship*



Builders ID BC636389



Johnson-Reiland is a family-owned custom build and design firm that is the winner of four Reggie awards – come design your custom home with us today!

507.366.1288 | www.jrbandr.com





Ensconced Woods 2ND – Concept Approval

City staff has requested the current site plan for Ensconced Woods 2nd Addition to be revised so that the rear lot lines adjacent to the wooded steep slope areas are adjusted to the 30-foot, no-mow line. Johnson – Reiland Homes would prefer to leave the lots lines as shown on the concept plan. We understand the issue related to maintenance and previous encroachments into the no-mow area on other projects but believe with proper notification and education, the homebuyers will respect the monumented area and not impact the required buffer area. It is Johnson-Reiland's intent to provide disclosure forms to each buyer and require them to sign the form and have it recorded with the lot sale. The form will outline that no mowing or accessory buildings and equipment can be placed within the conservation area. We can work with City staff to further detail any maintenance the City would allow in this area- including removal of damaged or dead trees.

Based on Johnson – Reiland Homes sales experience in Ensconced Woods- the buyers are looking for larger lots, especially in the wooded areas- as they are nature lovers and desire the extra space.

Conservation area signs – as approved by the City of Chaska, will be installed in each impacted lot before the homeowners move into their homes.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE Feb. 26, 2024 **RESOLUTION NO.** 2024-18

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

Resolution approving the Concept Plan for Ensconced Woods 2nd Addition/P.C. No. 2024-01

WHEREAS, the 15.5-acre property at 3675 Big Woods Blvd is generally located south of Big Woods Blvd, north and east of Chaska Blvd, and east of Rivertown Heights 2nd Addition; and

WHEREAS, Matthew Reiland, on behalf of Johnson – Reiland Builders and Remodelers has submitted a concept plan contemplating subdividing the property into 14, single-family, residential lots, with a roughly 5-acre outlot; and

WHEREAS, right-of-way and sidewalks would be extended and looped through the site to provide access to the new lots. This right-of-way extension was anticipated as part of the Rivertown Heights 2nd Addition subdivision to the west; and

WHEREAS, the new lots would range in size from 11,000 to 40,000 square feet, with the largest lots on the eastern side of the new street; and

WHEREAS, the 5-acre outlot would be reserved by the current property owner for future development. The submitted ghost plat anticipates an additional 27 lots accessed via two additional cul-de-sacs. As shown, the ghost plat is dependent on the development of the Lano Property [3730 Chaska Blvd] to the south; and

WHEREAS, three areas of steep slope – exceeding 18-percent – exist on the property. The highest point of the property [898.8 ft] is located along the western property line and slopes downwards in all directions. The lowest point of the property [836.5 ft] exists along the northern property line; and

WHEREAS, a full tree inventory has not yet been submitted but preliminary review suggests the presence of Southern Mesic Maple-Basswood Forest; and

WHEREAS, utility connections are available and would be extended through the site from the west; and

WHEREAS, stormwater design for the development and right-of-way expansion was anticipated and incorporated into the design of Rivertown Heights. Stormwater would be collected and directed to stubbed infrastructure connections and then directed to storm retention basins and sedimentation ponds; and

WHEREAS, the Comprehensive Guide Plan guides the site as low-density residential and open

space. By plan, the density range is two to five units per net acre. The plan contemplates development at 1.3 unit per acre; and

WHEREAS, generally, developments within the city utilize the 30-foot, no-grade/ no-mow, setback to configure lot lines for slope protection. The concept plan contemplates lot lines extending into the wooded steep slope areas; and

WHEREAS, the applicant is requesting 23-foot front yard setbacks and 5-foot side yard setbacks to allow for greater separation from the wooded steep slope areas; and

WHEREAS, on a 6-1 vote the Planning Commission recommended approval of the Ensconced Woods 2nd Addition concept plan for a 14-lot subdivision on Feb. 14, 2024. (PC #2024-01); and

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Chaska, Minnesota, hereby approves the Ensconced Woods 2nd Addition Concept Plan for a 14-lot subdivision at 3675 Big Woods Blvd (PC #2024-01), subject to the aforementioned stipulations and the following conditions:

1. Approvals shall be based on the following graphic exhibits unless modified by the conditions below:
 - a. Narrative, revision dated Jan. 30, 2024
 - b. Location and adjacent property map, submitted Jan. 30, 2024
 - c. Site features map dated Dec. 28, 2023
 - d. Existing conditions dated Jan. 18, 2024
 - e. Concept plan dated Aug. 1, 2023
 - f. Sanitary sewer and grading concept dated Nov. 15, 2023
 - g. Ghost plat dated Jan. 18, 2024
 - h. Monument and house exhibits submitted Jan. 2, 2024
2. In addition to the items required by City Code Sec. 15.36.050, the following must be submitted for a preliminary plat application to be complete:
 - a. Tree inventory and preservation plan;
 - b. Grading plans; and
 - c. Landscaping plans in conformance with City Code Sec. 15.28.070.
3. Coordination with:
 - a. City Engineer regarding utilities, grading, access, and drainage.
 - b. Electrical department on service locations.
4. Compliance with City Ordinances, including:
 - a. Sec. 15.28.290, Anti-monotony and Design requirements: including LP Smartside on front elevations and 4-inch window trim on all windows.
 - b. Sec. 15.28.100, Setback from Steep Slopes: including 50 feet from the edge of the 18-percent slope and 30-foot "no-grade/ mow" zone adjacent to the 18-percent slope for purposes of erosion control.
 - c. Sec. 15.36.080, Subdivision Design Standards: including streets and sidewalk
5. Setbacks are follows:
 - a. Front yard setback: 23 - feet
 - b. Side yard setback: 5 – feet
 - c. Rear yard setback: 20 – feet
 - d. Steep Slope: 30-foot buffer and 50-foot setback from the wooded steep slope
6. The entrance sign must comply with City Code Sec. 15.32.030. As shown, the sign is located in a drainage and utility easement which may contain utilities, landscaping, and pedestrian improvements.

7. Adjust the rear lots lines on Lots 1-5 and Lots 7-11 to the 30-foot no-grade/ no-mow setback line.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 26th day of Feb, 2024.

Mark Windschitl, Mayor

Attest: _____
Chaska Deputy Clerk

REQUEST FOR ACTION

CHASKA CITY COUNCIL

02/26/2024

Subject: **Zoning Ordinance Amendment (ZOA) – Non-Conforming Structures And Uses (Section 15.04.050), Non-Conforming Lots of Record (Section 15.04.060), and Variances (15.08.080)**

Applicant: City of Chaska

Case No.: 2024-03

Synopsis: The City is requesting to amend certain sections of the zoning ordinance that pertain to Non-Conforming Structures And Uses, Non-Conforming Lots of Record and Variances

Prepared By: Elizabeth Hanson

Staff Recommendation: Motion to adopt Ordinance Nos. 1042 & 1043

BACKGROUND

In 2022, several land use applications came through that made the City aware of issues and inconsistencies in the zoning code. The City of Chaska identified the need for a comprehensive review and update of its zoning code. There have been updates to specific code sections over time, however, a comprehensive review of the zoning code has not occurred for many years and is overdue. In order to update the zoning code that has become outdated and increasingly challenging to use, a zoning code audit was initiated to incorporate changes from State/Federal laws, the City's comprehensive plan updates, contemporary development practices, and evolving community values.

On July 31, 2023, the City held a joint work session with the Planning Commission and City Council to discuss what the zoning audit scope needed to look like and contain. Since then, the City has been working with a consultant (HKGi) on the zoning audit and initiating the first phases of changes.

The first changes the City envisions for the audit contain what we would consider "small lifts". The City has been focusing on codes that are out of date with state statute requirements, like Non-Conformities and Variances. The changes that are coming forward this evening are necessary changes to align with state statute and clarify confusing language.

CURRENT REQUEST

The request this evening includes amendments to three sections of the zoning ordinance. Those include Non-Conforming Structures and Uses, Non-Conforming Lots of Record, and Variances. The following amendments are laid out in each section below.

For better clarity, the amendments proposed in the ordinances and below are identified as either:

1. Compliance with State Statute
2. Amendments initiated by the City for better clarity or alignment with City practice, plans, and/or values

NON-CONFORMING STRUCTURES AND USES (Section 15.04.050)

The following are changes in this zoning section:

A. Non-Conforming Structures.

- **Section 15.04.050.A.3 *Restoration*.** A non-conforming building or structure which is damaged by fire or other cause to the extent of more than 50% of its market value as estimated by the Building Official ~~and approved by the City Council~~, shall not be restored except in conformity with the regulations of this Ordinance *unless the owner applies for a building permit within 180 days of the damage.*
 - *This change was made to align with State Statute.*
- **Section 15.04.050.A.4 *Maintenance*.** Normal maintenance of a non-conforming building or structure shall be permitted, including necessary repairs and incidental alterations *which do not expand the non-conforming building or structure or extend a non-conforming use by structural alteration.*
 - *This change was initiated by the City to include more clarity on maintenance of a non-conforming structure.*

B. Non-Conforming Use of Building or Land

- **Section 15.04.050.B.4 *Change*.** A non-conforming use of a building or parcel of land may be changed to a similar non-conforming use or to a more restrictive non-conforming use *reduced or may be changed to a more conforming use when the change brings the entire parcel into better alignment with the requirements of the Code and the guidance of the Comprehensive plan.* Once a structure or parcel of land has been placed in a more restrictive non-conforming use, it shall not return to a less restrictive non-conforming use. When any non-conforming use of a building or parcel of land has been changed to a conforming use, it shall not, thereafter, be changed to a non-conforming use.
 - *This change/addition was initiated by the City to include more clarity on change of non-conforming uses.*

NON-CONFORMING LOTS OF RECORD (Section 15.04.060)

The following are changes in this zoning section:

- **Section 15.04.060.A** In any district in which single family dwellings are permitted, a single family dwelling and customary accessory buildings may be erected on any single lot which existed of record as of the effective date of the Ordinance or any amendment thereto which imposed area or width restrictions upon lots, provided that all other dimensional requirements except area or width requirements must be met. This

provision shall not apply to lots which are held in common ownership with any adjoining lot on which a single family dwelling may be constructed without application of this section, or on which a single family dwelling is already present. Notwithstanding this section, no building shall be permitted on a lot less than 50 feet in width, unless allowed by the underlying zoning. Deviation from yard or setback requirements shall require a variance using the procedures set by the Ordinance.

If, in reliance on this section, a single-family dwelling is built on any lot which is contiguous with lots held in the same ownership, of which none conform to applicable area or width requirements of the Ordinance, such lots shall be considered as one contiguous parcel of land for determining the lots' compliance with minimum lot area requirements of the Ordinance. Such lots shall not be subsequently subdivided or sold in a manner which decreases the combined lots' conformance with lot width or area requirements.

- *This section was completely reworded by the City to provide clearer language to Non-Conforming Lots of Record.*

- **Section 15.04.060.B Non-Conforming Lots in Shoreland**

(a) A nonconforming single lot of record located within a shoreland area may be allowed as a building site without variances from lot size requirements, provided that:

- (1) all structure and septic system setback distance requirements in the applicable zoning district can be met;
- (2) a Type 1 sewage treatment system consistent with Minnesota Rules, chapter 7080, or its successor, can be installed or the lot is connected to a public sewer; and
- (3) the impervious surface coverage does not exceed 25 percent of the lot.

(b) In a group of two or more contiguous lots of record under a common ownership where one or more of them is nonconforming, an individual lot must be considered as a separate parcel of land for the purpose of sale or development, if it meets the following requirements:

- (1) the lot must be at least 66 percent of the dimensional standard for lot width and lot size for the shoreland classification consistent with Minnesota Rules, chapter 6120;
- (2) the lot must be connected to a public sewer, if available, or must be suitable for the installation of a Type 1 sewage treatment system consistent with Minnesota Rules, chapter 7080, or its successor, and the Ordinance;
- (3) impervious surface coverage must not exceed 25 percent of each lot; and
- (4) development of the lot must be consistent with the City's Comprehensive Plan.

(c) A lot subject to paragraph (b) not meeting the requirements of paragraph (b) must be combined with the one or more contiguous lots so they equal one or more conforming lots as much as possible.

(d) Notwithstanding paragraph (b), contiguous nonconforming lots of record in shoreland areas under a common ownership may be sold or purchased

individually if each lot contained a habitable residential dwelling at the time the lots came under common ownership and the lots are suitable for, or served by, a sewage treatment system consistent with the requirements of Minnesota Statutes section 115.55 and Minnesota Rules, chapter 7080 (or their successor statutes or rules), or connected to a public sewer.

(e) In evaluating all variances, zoning and building permit applications, or conditional use requests, the City shall require the property owner to address, when appropriate, stormwater runoff management, reducing impervious surfaces, increasing setback, restoration of wetlands, vegetative buffers, sewage treatment and water supply capabilities, and other conservation-designed actions.

(f) A portion of a conforming lot may be separated from an existing parcel as long as the remainder of the existing parcel meets the lot size and sewage treatment requirements of the zoning district for a new lot and the newly created parcel is combined with an adjacent parcel.

- *This entire addition was made to align with State Statute.*

VARIANCES (Section 15.08.080)

- *All sections changing "Undue Hardship" to "Practical Difficulties" to align with State Statute*
 - The state legislature implemented this change in 2011.
 - The comparison between Undue Hardship and Practical Difficulty is as follows:
 - **Undue Hardship:** "... means the property in question cannot be put to a reasonable use if used under conditions allowed the official controls, the plight of the landowner is due to circumstances unique to the property not created by the landowner, and the variance, if granted, will not alter the essential character of the locality. Economic considerations alone shall not constitute an undue hardship if reasonable use of the property exists under the terms of the ordinance."
 - **Practical Difficulty:** "... means that the property owner proposes to use the property in a reasonable manner not permitted by an official control; the plight of the landowner is due to circumstances unique to the property not created by the landowner; and the variance, if granted, will not alter the essential character of the locality. Economic considerations alone do not constitute practical difficulties. Practical difficulties include, but are not limited to, inadequate access to direct sunlight for solar energy systems."
 - Staff Interpretation of the Change: the change between Undue Hardship and Practical Difficulty is considered a minimal change from staff's perspective.

Undue Hardship stated that the property cannot be put to reasonable use under certain zoning regulations. In other words, a property could be eligible for a variance if the property could not be reasonably used. If the property could be put to reasonable use without the variance then it would not be a good

candidate for a variance. Staff understands this definition to be “more restrictive” in granting a variance.

For *Practical Difficulty*, the definition states that the property owner proposes to use the property in a reasonable manner but is not permitted by certain zoning regulations. In other words, the request proposed has to be considered reasonable (i.e. something that is permitted, or normal, under the zoning for the property) in order for it to be considered for a variance. Staff understands this definition to be “more permissive” in granting a variance.

The 2011 law renamed the municipal variance standard from “undue hardship” to “practical difficulties” but otherwise retained the three-factor criteria for granting variances which are the following:

- Reasonableness
- Uniqueness
- Essential Character

The ordinance amendment to include “Practical Difficulty” will not be a significant change in terms of what’s already practiced at the City. The evaluation criteria for variances will stay the same and will provide consistency as more variance requests come in.

The City is currently using “Practical Difficulty” to evaluate variance requests. For example, in 2022 there were a number of variance requests like the Clover Ridge (aka Fenview Flats) and Clover Field (aka The Gallery) apartments that used the new terminology. All variances since those requests have also been using “Practical Difficulty” for evaluation. In that regard, the ordinance amendment to “Practical Difficulty” will not change what the City is already doing.

- **Remove Section 15.08.080.E.4.** stating “*No such variance is transferable without authorization by the City Council while same is personal with applicant.*”
 - This regulation states that a variance can be transferred to a new property owner when the property is sold (the same property the variance was granted on). This only applies to a property if the variance was not executed before the sale of the property. Staff wishes to eliminate this provision as there is an impractical onus (and likely oversight) on staff to track these types of sales. If the property owner does not implement the variance on the property before the sale then they lose the validity of the variance. The new property owner would have to apply for their own variance for that specific request.
 - *This change/addition is initiated by the City. It is not a required provision in State Statute.*

In sum, the new ordinance changes for Non-Conforming Structures and Uses, Non-Conforming Lots of Record, and Variances will align with state statute requirements and provide clearer regulations that both staff and users can benefit from.

PLANNING COMMISSION ACTION TAKEN 02/14/24:

Motion to recommend approval of the Zoning Ordinance Amendment that would modify Section 15.04.050 (Non-Conforming Structures & Uses) and Section 15.04.060 (Non-Conforming Lots of Record) of the Zoning Ordinance to read as the attached draft Ordinance.

Motion to recommend approval of the Zoning Ordinance Amendment that would modify Section 15.08.080 (Variances) of the Zoning Ordinance to read as the attached draft Ordinance.

CITY COUNCIL ACTION REQUESTED:

Motion to adopt Ordinance No. 1042 approving the Zoning Ordinance Amendment that would modify Section 15.04.050 (Non-Conforming Structures & Uses) and Section 15.04.060 (Non-Conforming Lots of Record).

Motion to adopt Ordinance No. 1043 approving the Zoning Ordinance Amendment that would modify Section 15.08.080 (Variances).

**CITY OF CHASKA
ORDINANCE 2024-1042**

NOW THEREFORE, be it ordained by the Council of the City of Chaska, in the State of Minnesota, as follows:

SECTION 1: AMENDMENT “15.04.050 Non-Conforming Structures And Uses” of the City of Chaska Zoning Code is hereby *amended* as follows:

BEFORE AMENDMENT

15.04.050 Non-Conforming Structures And Uses

The lawful use of any land or buildings existing at the time of the adoption of this Ordinance may be continued, at the size and in the manner of operation existing on such date, even if such use does not conform to the regulations of this Ordinance, except as provided below:

All matters relevant to the use of land or buildings, such as size, manner of operation, etc., which was a non-conforming use under Chaska Ordinance No. 163 or amendments thereof, and which is a non-conforming use hereunder, shall relate back to the time when such land or building became non-conforming.

A. Non-Conforming Structures.

1. *Alterations.* A non-conforming building or structure shall not be reconstructed or altered to an extent exceeding 50% of its market value for assessment purposes unless said building or structure is changed to conform with the regulations of this Ordinance.
2. *Enlargement.* A non-conforming building or structure shall not be added to or enlarged in any manner unless such additions or enlargements are made so as to bring said building or structures into conformity with the regulations of this Ordinance.
3. *Restoration.* A non-conforming building or structure which is damaged by fire or other cause to the extent of more than 50% of its market value as estimated by the Building Official and approved by the City Council, shall not be restored except in conformity with the regulations of this Ordinance.
4. *Maintenance.* Normal maintenance of a non-conforming building or structure shall be permitted, including necessary nonstructural repairs and incidental alterations.

B. Non-Conforming Use of Building or Land.

1. *Extension.* A non-conforming use of a building may be extended throughout said building provided no structural alterations are made therein except as required by other codes or ordinances.
2. *Relocation.* A non-conforming use shall not be moved to any other part of the

parcel of land upon which the same was conducted at the time of passage of this Ordinance.

3. *Abandonment.* A non-conforming use of building or parcel of land which has been discontinued for a period of one year shall not be re-established and any future use shall be in conformity with the regulations of this Ordinance. The aforementioned one (1) year discontinuance shall not apply to two-family dwellings, which dwellings shall be permitted to be discontinued for a period of five (5) years provided the dwelling continues to contain two (2) physically separate living units and is not converted back to a one-family dwelling.
4. *Change.* A non-conforming use of a building or parcel of land may be changed to a similar non-conforming use or to a more restrictive non-conforming use. Once a structure or parcel of land has been placed in a more restrictive non-conforming use, it shall not return to a less restrictive non-conforming use. When any non-conforming use of a building or parcel of land has been changed to a conforming use, it shall not, thereafter, be changed to a non-conforming use.

AFTER AMENDMENT

15.04.050 Non-Conforming Structures And Uses

The lawful use of any land or buildings existing at the time of the adoption of this Ordinance may be continued, at the size and in the manner of operation existing on such date, even if such use does not conform to the regulations of this Ordinance, except as provided below:

All matters relevant to the use of land or buildings, such as size, manner of operation, etc., which was a non-conforming use under ~~Chaska Ordinance No. 163~~ this Ordinance or prior to City ordinances or any amendments thereof, and which is a non-conforming use hereunder, shall relate back to the time when such land or building became non-conforming.

A. *Non-Conforming Structures.*

1. *Alterations.* A non-conforming building or structure shall not be reconstructed or altered to an extent exceeding 50% of its market value for assessment purposes unless said building or structure is changed to conform with the regulations of this Ordinance.
2. *Enlargement.* A non-conforming building or structure shall not be added to or enlarged in any manner unless such additions or enlargements are made so as to bring said building or structures into conformity with the regulations of this Ordinance.
3. *Restoration.* A non-conforming building or structure which is damaged by fire or other cause to the extent of more than 50% of its market value as estimated by the Building Official ~~and approved by the City Council~~, shall not be restored except in conformity with the regulations of this Ordinance unless the owner applies for a building permit within 180 days of the damage.
4. *Maintenance.* Normal maintenance of a non-conforming building or structure shall be permitted, including necessary ~~nonstructural~~ repairs and incidental

alterations, which do not expand the non-conforming building or structure or extend a non-conforming use by structural alteration.

B. *Non-Conforming Use of Building or Land.*

1. *Extension.* A non-conforming use of a building may be extended throughout said building provided no structural alterations are made therein except as required by other codes or ordinances.
2. *Relocation.* A non-conforming use shall not be moved to any other part of the parcel of land upon which the same was conducted at the time of passage of this Ordinance.
3. *Abandonment.* A non-conforming use of building or parcel of land which has been discontinued for a period of one year shall not be re-established and any future use shall be in conformity with the regulations of this Ordinance. The aforementioned one (1) year discontinuance shall not apply to two-family dwellings, which dwellings shall be permitted to be discontinued for a period of five (5) years provided the dwelling continues to contain two (2) physically separate living units and is not converted back to a one-family dwelling.
4. *Change.* A non-conforming use of a building or parcel of land may be reduced or may be changed to a more conforming use when the change brings the entire parcel into better alignment with the requirements of the Code and the guidance of the Comprehensive Plan~~changed to a similar non-conforming use or to a more restrictive non-conforming use.~~ Once a structure or parcel of land has been placed in a more restrictive non-conforming use, it shall not return to a less restrictive non-conforming use. When any non-conforming use of a building or parcel of land has been changed to a conforming use, it shall not, thereafter, be changed to a non-conforming use.

SECTION 2: AMENDMENT “15.04.060 Non-Conforming Lots Of Record” of the City of Chaska Zoning Code is hereby *amended* as follows:

BEFORE AMENDMENT

15.04.060 Non-Conforming Lots Of Record

- A. In any district in which single family dwellings are permitted, a single family dwelling and customary accessory buildings may be erected on any single lot of record at the effective date of adoption or amendment of this Ordinance, notwithstanding limitations imposed by other provisions of this Ordinance.

Such lot must be in separate ownership and not of continuous frontage with lots in the same ownership. This provision shall apply even though such lot fails to meet the requirements for area or width, or both, that are generally applicable in the district, provided that yard dimensions and requirements other than those applying to area or width, or both, of the lot shall conform to the regulations for the district in which such

lot is located; however, in no case shall building be permitted on a site less than 50 feet in width. Variance of yard requirements shall be obtained only through action of the Board of Appeals.

- B. If two (2) or more lots or combinations of lots and portions of lots with continuous frontage in single ownership are of record at the time of passage or amendment of this Ordinance, and if all or part of the lots do not meet the requirements established for lot width and area, the lands involved shall be considered to be an undivided parcel for the purpose of this Ordinance, and no portion of said parcel shall be used or sold in a manner which diminishes compliance with lot width and area requirements established by this Ordinance, nor shall any division of any parcel be made which creates a lot with width or area below the requirements stated in this Ordinance.

AFTER AMENDMENT

15.04.060 Non-Conforming Lots Of Record

- A. In any district in which single family dwellings are permitted, a single family dwelling and customary accessory buildings may be erected on any single lot which existed of record as of the effective date of the Ordinance or any amendment thereto which imposed area or width restrictions upon lots, provided that all other dimensional requirements except area or width requirements must be met. This provision shall not apply to lots which are held in common ownership with any adjoining lot on which a single family dwelling may be constructed without application of this section, or on which a single family dwelling is already present. Notwithstanding this section, no building shall be permitted on a lot less than 50 feet in width, unless allowed by the underlying zoning. Deviation from yard or setback requirements shall require a variance using the procedures set by the Ordinance. If, in reliance on this section, a single-family dwelling is built on any lot which is contiguous with lots held in the same ownership, of which none conform to applicable area or width requirements of the Ordinance, such lots shall be considered as one contiguous parcel of land for determining the lots' compliance with minimum lot area requirements of the Ordinance. Such lots shall not be subsequently subdivided or sold in a manner which decreases the combined lots' conformance with lot width or area requirements. The owner of such lots shall, prior to issuance of a building permit for a single-family dwelling, cause them to be combined as a single tax parcel which conforms as much as possible to the Ordinance and such lots shall not be subsequently subdivided or sold in a manner which decreases the combined Lots' conformance with lot width or area requirements. ~~of record at the effective date of adoption or amendment of this Ordinance, notwithstanding limitations imposed by other provisions of this Ordinance.~~

~~Such lot must be in separate ownership and not of continuous frontage with lots in the same ownership. This provision shall apply even though such lot fails to meet the requirements for area or width, or both, that are generally applicable in the district, provided that yard dimensions and requirements other than those applying to area or~~

~~width, or both, of the lot shall conform to the regulations for the district in which such lot is located; however, in no case shall building be permitted on a site less than 50 feet in width. Variance of yard requirements shall be obtained only through action of the Board of Appeals.~~

B. Non-Conforming Lots in Shoreland

1. A non-conforming single lot of record located within a shoreland area may be allowed as a building site without variances from lot size requirements, provided that:
 - a. all structure and septic system setback distance requirements in the applicable zoning district can be met;
 - b. a Type 1 sewage treatment system consistent with Minnesota Rules, chapter 7080, or its successor, can be installed or the lot is connected to a public sewer; and
 - c. the impervious surface coverage does not exceed 25 percent of the lot.
2. In a group of two or more contiguous lots of record under a common ownership where one or more of them is nonconforming, an individual lot must be considered as a separate parcel of land for the purpose of sale or development, if it meets the following requirements:
 - a. the lot must be at least 66 percent of the dimensional standard for lot width and lot size for the shoreland classification consistent with Minnesota Rules, chapter 6120;
 - b. the lot must be connected to a public sewer, if available, or must be suitable for the installation of a Type 1 sewage treatment system consistent with Minnesota Rules, chapter 7080, or its successor, and the Ordinance;
 - c. impervious surface coverage must not exceed 25 percent of each lot; and
 - d. development of the lot must be consistent with the City's Comprehensive Plan.
3. A lot subject to paragraph (b) not meeting the requirements of paragraph (b) must be combined with the one or more contiguous lots so they equal one or more conforming lots as much as possible.
4. Notwithstanding paragraph (b), contiguous nonconforming lots of record in shoreland areas under a common ownership may be sold or purchased individually if each lot contained a habitable residential dwelling at the time the lots came under common ownership and the lots are suitable for, or served by, a sewage treatment system consistent with the requirements of Minnesota Statutes section 115.55 and Minnesota Rules, chapter 7080 (or their successor statutes or rules), or connected to a public sewer.
5. In evaluating all variances, zoning and building permit applications, or conditional use requests, the City shall require the property owner to address, when appropriate, stormwater runoff management, reducing impervious surfaces, increasing setback, restoration of wetlands, vegetative buffers, sewage treatment and water supply capabilities, and other conservation-

designed actions.

6. A portion of a conforming lot may be separated from an existing parcel as long as the remainder of the existing parcel meets the lot size and sewage treatment requirements of the zoning district for a new lot and the newly created parcel is combined with an adjacent parcel.

~~C. If two (2) or more lots or combinations of lots and portions of lots with continuous frontage in single ownership are of record at the time of passage or amendment of this Ordinance, and if all or part of the lots do not meet the requirements established for lot width and area, the lands involved shall be considered to be an undivided parcel for the purpose of this Ordinance, and no portion of said parcel shall be used or sold in a manner which diminishes compliance with lot width and area requirements established by this Ordinance, nor shall any division of any parcel be made which creates a lot with width or area below the requirements stated in this Ordinance.~~

PASSED AND ADOPTED BY THE CITY OF CHASKA COUNCIL

_____.

	AYE	NAY	ABSENT	ABSTAIN
Councilmember Grau	_____	_____	_____	_____
Councilmember Hatfield	_____	_____	_____	_____
Councilmember Huang	_____	_____	_____	_____
Councilmember Hubbard	_____	_____	_____	_____
Mayor Windschitl	_____	_____	_____	_____

Presiding Officer

Attest

Mark Windschitl, Mayor, City of
Chaska

Denise Beebe, Senior Clerk, City of
Chaska

**CITY OF CHASKA
ORDINANCE 2024-1043**

NOW THEREFORE, be it ordained by the Council of the City of Chaska, in the State of Minnesota, as follows:

SECTION 1: **AMENDMENT** “15.08.080 Variances” of the City of Chaska Zoning Code is hereby *amended* as follows:

BEFORE AMENDMENT

15.08.080 Variances

- A. *Purpose/Standards.* The City Council may grant variances from the literal provisions of this Ordinance where their strict enforcement would cause undue hardship because of circumstances unique to the individual property under consideration, and to grant such variances only when it is demonstrated that such actions will be in keeping with the spirit and intent of this Ordinance.

“Undue hardship” as used in connection with the granting of a variance means the property in question cannot be put to a reasonable use if used under conditions required by the official controls, the plight of the landowner is due to circumstances unique to his property not created by the landowner, and the variance, if granted, will not alter the essential character of the locality. Undue hardship also includes, but is not limited to, inadequate access to direct sunlight for solar energy systems.

Economic considerations alone shall not constitute an undue hardship if reasonable use for the property exists under the terms of this Ordinance. Variances shall be granted for earth sheltered construction as defined herein when in harmony with this Ordinance.

The City Council may not permit as a variance any use that is not permitted under the Ordinance for property in the district where the affected person’s land is located. The City Council may permit as a variance the temporary use of a one family dwelling as a two family dwelling. The City Council may impose conditions in the granting of a variance to insure compliance and to protect adjacent properties.

- B. *Exhibits.* Applications for variances shall describe the undue hardships and unique circumstances claimed as a basis for the variance. In addition, the following exhibits shall be submitted if required by the Zoning Administrator:
1. A boundary survey and/or site plan as required for building permits;
 2. Other material as may be required by the Zoning Administrator.
- C. *Procedure.* The procedure for applying for a variance from the regulations of this Ordinance shall be as follows:
1. The property owner or his agent shall meet with the Zoning Administrator to

- explain his situation, learn the procedures, and obtain an application form;
2. The applicant shall file the completed application form together with the required exhibits with the Zoning Administrator and shall pay the required filing fee;
3. The Zoning Administrator shall transmit the application and exhibits together with staff/consultant reports to the Planning Commission and shall give notice of the public hearing, if applicable, as provided by CZO 15.08.050 paragraph A;
4. Public hearings shall be held for variances which exceed the applicable zoning requirements by more than 30 percent;
5. The Planning Commission shall transmit its recommended action to the City Council within 45 days of filing;
6. The City Council shall act on the application within 45 days after receiving the recommendation from the Planning Commission;
7. Within all shoreland areas defined by CZO 15.24.020 paragraph B, a copy of every variance application along with supporting materials required by paragraph B, shall be submitted to the Minnesota Department of Natural Resources and also shall have received at least ten (10) days notice prior to the meeting date to consider the variance.

D. *Procedure For Minor Variance.* A property owner may file an application for a minor variance if the variance meets any of the following requirements:

1. If it relates to setbacks for driveway, garage, or swimming pool;
2. If it is less than five (5) feet; or
3. If it relates to the size and location of signs that deviate from the Ordinance by less than 10%.

The procedure for applying for a minor variance from the regulations of this Ordinance shall be as follows:

1. The property owner or his/her agent shall meet with the Zoning Administrator to explain the situation, learn the procedures, and obtain an application form.
2. The applicant shall file the completed application form together with the required exhibits with the Zoning Administrator and shall pay the required fee.
3. The applicant shall secure and present signatures from property owners contiguous to the affected yard for which the variance is requested, specifically noting awareness of the minor variance request. The Zoning Administrator shall determine the adequacy and accuracy of the names and addresses of such property owners.
4. The Minor Variance Board shall be composed of the Planning Director (or designee), Community Development/Code Administrator (or designee) and Building Official (or designee).
5. The Minor Variance Board shall unanimously recommend approval or denial of the application within five (5) days of filing with the Zoning Administrator. In the event the application is not recommended for approval by the Board, the applicant may proceed as provided in paragraph C, and the original fee shall be applied to the fee as required for a standard variance.
6. If recommended for approval by the Minor Variance Board, the application

shall be placed on the City Council's consent agenda within 21 days of filing. The Minor Variance Board may recommend conditions upon the approval which relate directly to the variance request.

7. Within all shoreland areas defined by CZO 15.24.020 paragraph B, a copy of every variance application along with supporting materials required by paragraph B, shall be submitted to the Minnesota Department of Natural Resources and also shall have received at least ten (10) days notice prior to the meeting date to consider the variance. (Ord. No. 644, 10/19/98)

E. *Revocation Of Variance.* The granting of a variance from the provisions of this Ordinance shall be subject to the following conditions, which conditions shall apply to all variances granted and said conditions shall be continuing:

1. The variance shall be effective only for the specific purposes set forth in the variance grant. A violation of any condition set forth in granting a variance shall be a violation of this Ordinance and shall automatically terminate the variance;
2. The variance shall be personal to the applicant for the specific purpose set forth in the variance grant until the construction or installation of such specific purpose has been completed, at which time said variance shall attach to the land; furthermore, said attachment to the land shall continue until such specific purpose is discontinued, at which time said variance shall be null and void;
3. The variance shall become null and void without further action by the Planning Commission or City Council upon failure of applicant to utilize such variance by commencement of construction or installation of the specific purpose within 180 days of variance grant and completion within a reasonable time after commencement. A variance may be renewed by the City Council for good cause;
4. No such variance is transferable without authorization by the City Council while same is personal with applicant.

F. *Filing.* A certified copy of any variance shall be filed with the Carver County Recorder or Registrar of Titles and shall include a legal description of the subject property.

AFTER AMENDMENT

15.08.080 Variances

A. *Purpose/Standards.* The City Council may grant variances from the literal provisions of this Ordinance where ~~their strict enforcement would cause undue hardship because of circumstances unique to the individual property under consideration, and to grant such variances~~ applicant for the variance establishes that there are practical difficulties in complying with the zoning only when it is demonstrated that such ~~actions will be a variance is~~ in keeping harmony with the ~~spirit~~ general purposes and intent of ~~this Ordinance~~ the zoning code and will be consistent with the comprehensive plan.

~~"Undue hardship"~~ Practical Difficulties as used in connection with the granting of a

variance means the property ~~in question cannot be put to~~ owner proposes to use the property in a reasonable ~~use if used under conditions required~~ manner not permitted by the official controls this ordinance, the plight of the landowner is due to circumstances unique to ~~his~~ the property not created by the landowner, and the variance, if granted, will not alter the essential character of the locality. ~~Undue hardship~~ Practical difficulties also includes, but is not limited to, inadequate access to direct sunlight for solar energy systems.

Economic considerations alone shall not constitute ~~an undue hardship if reasonable use for the property exists under the terms of this Ordinance~~ practical difficulties.

Variances shall be granted for earth sheltered construction as defined herein when in harmony with this Ordinance.

The City Council may not permit as a variance any use that is not permitted under the Ordinance for property in the district where the affected person's land is located. The City Council may permit as a variance the temporary use of a one family dwelling as a two family dwelling. The City Council may impose conditions in the granting of a variance to ~~ensure~~ insure compliance and to protect adjacent properties.

- B. *Exhibits.* Applications for variances shall describe the ~~practical difficulties~~ undue hardships and unique circumstances claimed as a basis for the variance. In addition, the following exhibits shall be submitted if required by the Zoning Administrator:
1. A boundary survey and/or site plan as required for building permits;
 2. Other material as may be required by the Zoning Administrator.
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 2. The applicant shall file the completed application form together with the required exhibits with the Zoning Administrator and shall pay the required filing fee;
 3. The Zoning Administrator shall transmit the application and exhibits together with staff/consultant reports to the Planning Commission and shall give notice of the public hearing, if applicable, as provided by CZO 15.08.050 paragraph A;
 4. Public hearings shall be held for variances which exceed the applicable zoning requirements by more than 30 percent;
 5. The Planning Commission shall transmit its recommended action to the City Council ~~within 45 days of filing~~;
 6. The City Council shall act on the application within ~~45~~ 60 days after ~~receiving~~ the ~~recommendation from~~ City receives the Planning Commission complete application filing unless the timeline for response is extended in a manner consistent with Minnesota Statutes Chapter 15.99;
 7. Within all shoreland areas defined by CZO 15.24.020 paragraph B, a copy of every variance application along with supporting materials required by

paragraph B, shall be submitted to the Minnesota Department of Natural Resources and also shall have received at least ten (10) days notice prior to the meeting date to consider the variance.

D. *Procedure For Minor Variance.* A property owner may file an application for a minor variance if the applicant demonstrates practical difficulties and the variance meets any of the following requirements:

1. If it relates to setbacks for driveway, garage, or swimming pool;
2. If it is less than five (5) feet; or
3. If it relates to the size and location of signs that deviate from the Ordinance by less than 10%.

The procedure for applying for a minor variance from the regulations of this Ordinance shall be as follows:

1. The property owner or ~~his/her~~the property owner's agent shall meet with the Zoning Administrator to explain the situation, learn the procedures, and obtain and application form.
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6. If recommended for approval by the Minor Variance Board, the application shall be placed on the City Council's consent agenda within 21 days of filing. The Minor Variance Board may recommend conditions upon the approval which relate directly to the variance request.
7. Within all shoreland areas defined by CZO 15.24.020 paragraph B, a copy of every variance application along with supporting materials required by paragraph B, shall be submitted to the Minnesota Department of Natural Resources and also shall have received at least ten (10) days notice prior to the meeting date to consider the variance. (Ord. No. 644, 10/19/98)

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- variance;
2. The variance shall be personal to the applicant for the specific purpose set forth in the variance grant until the construction or installation of such specific purpose has been completed, at which time said variance shall attach to the land; furthermore, said attachment to the land shall continue until such specific purpose is discontinued, at which time said variance shall be null and void;
 3. The variance shall become null and void without further action by the Planning Commission or City Council upon failure of applicant to utilize such variance by commencement of construction or installation of the specific purpose within 180 days of variance grant and completion within a reasonable time after commencement. A variance may be renewed by the City Council for good cause;
 4. ~~No such variance is transferable without authorization by the City Council while same is personal with applicant.~~
- F. *Filing.* A certified copy of any variance shall be filed with the Carver County Recorder or Registrar of Titles and shall include a legal description of the subject property.

PASSED AND ADOPTED BY THE CITY OF CHASKA COUNCIL

	AYE	NAY	ABSENT	ABSTAIN
Councilmember Grau	_____	_____	_____	_____
Councilmember Hatfield	_____	_____	_____	_____
Councilmember Huang	_____	_____	_____	_____
Councilmember Hubbard	_____	_____	_____	_____
Mayor Windschitl	_____	_____	_____	_____

Presiding Officer

Attest

Mark Windschitl, Mayor, City of
Chaska

Denise Beebe, Senior Clerk, City of
Chaska

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
FEBRUARY 26, 2024**

Subject: NE Collector in SW Area – Savanna Way Phase 2

Prepared By: Matt Clark, City Engineer

The Council has reviewed and accepted previous studies for the NE Collector in SW Chaska named Savanna Way. The final phase II portion of the project schedule proposes to complete the roadway connection between CSAH 44 and Creek Road in 2024. The Council has previously been made aware of how the street and utility improvements will be phased and the attached report reflects those changes.

The total project costs to complete the Phase 2 Improvements are estimated at \$3.1M to complete the overall project. As a part of the planning process for SW Chaska, the City identified funding sources captured by area development. The fees collected with area development support the overall transportation network and extensions of trunk utilities. The improvements are proposed to be financed with bond proceeds and reimbursed through trunk utility availability charges, municipal state aid funds, and transportation assessments.

STREET IMPROVEMENTS	\$1,952,000
SANITARY IMPROVEMENTS	\$275,000
WATER MAIN IMPROVEMENTS	\$412,000
STORM SEWER IMPROVEMENTS	\$500,000
TOTAL ESTIMATED PROJECT COSTS	\$3,139,000

CITY COUNCIL ACTION REQUESTED

Adopt Resolution No. 2024-16, Ordering the Improvements for the NE Collector in SW Chaska – Savanna Way Phase 2 and Authorizing the preparation of Construction Documents

CITY OF CHASKA
CARVER COUNTY, MINNESOTA

RESOLUTION

DATE 2/26/2024 **RESOLUTION NO.** 2024-16

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**A Resolution Ordering the NE Collector in SW Chaska – Savanna Way Phase 2 Street
& Utility Improvement Project,
Authorizing Preparation of Construction Documents**

WHEREAS, the Chaska City Council directed the City Engineer to prepare a Feasibility Study for the extension of Clover Ridge Drive ("NE Collector"); and

WHEREAS, the initial Feasibility Study prepared by Stantec, dated October 2016, was determined feasible in terms and construction and economics, and was accepted by the Chaska City Council on October 17, 2016, Resolution No. 16-83; and

WHEREAS, a feasibility amendment report was prepared by Stantec, dated September 2017, was determined feasible in terms of constructing and economics and was accepted by the Chaska City Council on September 11, 2017, Resolution No. 17-95 due to project phasing;

WHEREAS, a second feasibility amendment report was prepared by Stantec, dated December 2023 due to the amount of time lapsed in considering construction the final Phase II of the overall project;

WHEREAS, the second feasibility amended report was accepted by City Council on December 18, 2023, and a Public Improvement Hearing was scheduled for February 26, 2024;

WHEREAS, ten days mailed notice and two weeks published notice of the hearing was given, and the hearing was held on the 26th day of February, at which all persons desiring to be heard were given an opportunity to be heard thereon;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Chaska, Minnesota, that said improvements are found to be necessary, cost-effective, and feasible and hereby orders said street improvements, and authorizes the City Engineer to prepare the project plans and specification documents.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 26th day of February 2024.

Resolution No. 2024-16
2/26/2024
Page 2

Mark Windschitl, Mayor

Attest _____
Deputy Clerk



OVERALL PROJECT LAYOUT

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 4



Feasibility Report Amendment #2

NE Collector in SW Area

Prepared for:

City of Chaska, Minnesota



December 2023

Stantec Project No. 193804164



Stantec Consulting Services Inc.
2335 Highway 36 West, St. Paul MN 55113

December 14, 2023

Honorable Mayor and City Council
City of Chaska
One City Plaza
Chaska, MN 55318

Re: NE Collector in SW Area – Phase 2
City of Chaska
Stantec Project No. 193804164

Dear Mayor and Council:

Enclosed please find the Report Amendment #2 on the NE Collector in the SW Area for your review and comments. This amendment together with the original report dated October 12, 2016, Report Amendment #1 dated September 5, 2017 discusses the feasibility and economic impact of constructing the collector roadway. The amended report replaces the two previous studies to provide an update on the project cost summary, cost participation and cost estimates with exhibits for the overall project.

We will be pleased to review this report with Council at any mutually convenient time.

Respectfully yours,

CITY OF CHASKA

Matthew Clark, P.E.
City Engineer

STANTEC CONSULTING SERVICES INC.

Eric S. Lembke, PE
Principal

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Eric S. Lembke, PE

Date: December 14, 2023 License No.: 42748

Introduction

This amendment has been written to adjust the report to new conditions that have occurred on the project since the completion of the original Feasibility Report as well as the Report's first amendment that broke the project into two phases. Items that have been adjusted are the following:

Roadway

Geometric modifications to the roundabout at the intersection to Creek Road and Savanna Way have been made since the original 2016 Feasibility Report. Further, the amended roundabout was included with and constructed as a part of the Creek Road Trunk Sewer Extension Street and Utility Improvements – Phase 4 project. The costs associated with the change have been removed from the scope of this report and included with the Creek Road Trunk Sewer Extension Street and Utility Improvements – Phase 4 Feasibility Report dated March 1, 2022. Figures and associated cost have been updated to reflect this change.

Storm Sewer

Storm sewer ponds and treatment features serving area development that contribute to the roadway drainage system have been updated to show the current locations. The storm water ponds needed to treat the Phase 2 NE Collector project were constructed with the Creek Road trunk sewer project. The costs associated with constructing the ponds were included in the Creek Road report and subsequently have been removed from this report. The ponds were constructed as part of the Creek Road Project in 2022. The 14'x9' and 10'x 6' box culverts included in the original report have been updated and remain part of this updated report. For timing and constructability purposes the twin culverts that span West Chaska Creek were installed with the Creek Road project in 2022.

Right of way/easements

The estimate for right of way acquisition has been amended to include the current City Right of Way land acquisition costs in the area.

Project Phasing and Appendix Exhibits

The appendixes have been updated to show the corrected limits for Phase 1 and Phase 2 for the overall roadway project.

Schedule and Costs

Phase I of the project was constructed in 2017-2018. The report includes the actual construction costs for this phase with estimated contingencies. Costs associated with Phase 2 have been estimated for the construction year of 2024. If the project is delayed beyond 2024, then an inflation factor will need to be added to the current project estimate. The Cost Participation Section has also been amended with current estimated total project costs.

Project Schedule – Phase 2

Phase 1 began construction in the fall of 2017 and was completed with wearing course and final restoration in summer 2018. As previously mentioned, the dual storm sewer box culverts shown on the attached figures were installed as part of the 2022 Creek Road Phase 1 project. This was done to accommodate settlement time for fill placed over the box culvert and to reduce the amount of excess material to be exported from the Creek Road Project. Nearly 20 feet of fill material over the existing ground was required to construct the northern portion of Phase 2.

The following project schedule is recommended for Phase 2. Phase 2 of the NE Collector (now called Savanna Way) Improvements are proposed to be constructed in 2024, with the final wear course paving and boulevard tree planting in 2025. It is recommended to begin constructing the project in the spring of 2024.

Upon acceptance of the Feasibility Study Amendment #2 for the 2024 NE Collector Phase 2 Improvement Project, a public hearing will be scheduled to consider approval of the improvement project. A proposed schedule is as follows:

Council Accepts Feasibility Study Amendment / Authorize Preparation of Construction Documents / Order Public Hearing	December 18, 2023
Staff and Engineer Hold Neighborhood Information Meeting	January 15, 2024
Public Improvement Hearing / Council Approves Construction Documents / Authorize Bidding	February 26, 2024
Receive Bids	March 28, 2024
Accept Bids and Award Contract	April 15, 2024
Staff and Engineer Hold Neighborhood Information Meeting	May 2024
Start Construction	June 2024
Construction Completion	October 25, 2024
Final Wear Course Paving	July 2025

Project Costs

The following is a breakdown of estimated costs for the various sections of the project improvements being proposed for Council consideration:

	Phase I 2017-2018 Completed Total Project Costs <i>(Updated actual Construction Costs with Estimated Contingencies)</i>	Phase II 2024 Estimated Total Project Cost	2024 Phase I and Phase II Combined Estimated Total Project Cost	<i>Previously Estimated 2017 Phase I and Phase II Estimated Total Project Costs</i>
Street Improvements	\$1,418,833.53	\$2,640,186.31	\$4,059,019.84	\$5,696,233.12
Sanitary Sewer Improvements	\$8,725.00	\$370,975.00	\$379,700.00	\$742,362.50
Water Main Improvements	\$268,896.25	\$467,568.75	\$736,465.00	\$692,422.50
Storm Sewer Improvements	\$336,606.25	\$607,255.00	\$943,861.25	\$2,136,365.00
Land Acquisitions	<u>\$557,500.00</u>	<u>\$1,992,500.00</u>	<u>\$2,550,000.00</u>	<u>\$1,398,500.00</u>
Total Estimated Project Costs	\$2,590,561.03	\$6,078,485.06	\$8,669,046.09	\$10,665,883.12

The cost summary above represents costs for a phased implementation for constructing the NE Collector Roadway now named Savanna Way. The 2016 Feasibility Report considered the improvements in their entirety from County Road 44 to Creek Road. In 2016-2017 the City worked to acquire the north parcel of property to complete the improvements. Due to development phasing and the ongoing property acquisition for the corridor, it was decided to split the project into two phases to facility development.

The timing of the original report, combined with project assessments required the first report amendment dated September 5, 2017. The estimated total project cost included with Amendment #1 was \$10,665,883.12. Phase 1 was constructed in 2017-2018 and the costs summarized in the table above reflect the actual construction costs with estimated contingencies.

The Phase II estimated project costs are reflected in the table above based on a project being bid in Spring 2024. The total combined Phase I & II project cost is now estimated to be \$ 8,669,046.09. The revised project estimates are itemized in Appendix A. The cost estimates includes construction, land acquisitions, contingencies, engineering, and administration for both projects.

Cost Participation

Consistent with current policy on cost participation the City will be responsible for the project cost related to the trunk utilities and the collector roadway storm sewer section. Those costs are estimated below:

City trunk sanitary sewer costs	\$246,805
Property owner lateral sewer	\$132,895
City trunk water main costs	\$736,465
Collector Roadway and County Road 44 turn lane costs	\$4,059,020
Storm sewer and box culvert costs	\$943,861
Land Acquisition costs	<u>\$2,550,000</u>
Total	\$8,669,046

Appendix A Cost Estimates

CONSTRUCTION COSTS

SAVANNA WAY PHASE 1

PROJECT NO. 193804164

CHASKA, MINNESOTA

December 14, 2023

No.	Item	Units	Qty	EE Unit Price	EE Total Price
PART 1 - STREET IMPROVEMENTS					
1	MOBILIZATION	LS	1	20000.00	\$20,000.00
2	CLEARING AND GRUBBING	LS	1	2000.00	\$2,000.00
3	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	2078	3.00	\$6,234.00
4	SALVAGE SIGN	EA	1	100.00	\$100.00
5	SALVAGE ROCK	CY	80	4.00	\$320.00
6	COMMON EXCAVATION	CY	4461	1.00	\$4,461.00
7	SUBGRADE EXCAVATION	CY	1534	1.00	\$1,534.00
8	SELECT GRANULAR BORROW (CV)	CY	9589	22.00	\$210,958.00
9	GEOTEXTILE FABRIC	SY	23534	1.40	\$32,947.60
10	SUBGRADE PREPARATION	SY	17060	2.50	\$42,650.00
11	STREET SWEEPER (WITH PICKUP BROOM)	HR	18	85.00	\$1,530.00
12	WATER	MGAL	0	5.00	\$0.00
13	AGGREGATE BASE CLASS 5 (STREET)	TN	11678.5	15.00	\$175,177.50
14	AGGREGATE BASE CLASS 5 (TRAIL)	TN	850.82	15.00	\$12,762.30
15	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1350	3.00	\$4,050.00
16	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	TN	356.61	68.00	\$24,249.48
17	TYPE SP 9.5 NON WEARING COURSE MIXTURE (2,B) (WEDGE)	TN	37.51	80.00	\$3,000.80
18	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TN	422.02	63.00	\$26,587.26
19	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)	TN	3958.02	60.00	\$237,481.20
20	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B)	TN	514.17	57.00	\$29,307.69
21	IMPROVED PIPE FOUNDATION	LF	0	0.01	\$0.00
22	5" CONCRETE WALK	SF	12899	5.00	\$64,495.00
23	CONCRETE CURB AND GUTTER DESIGN B618	LF	5276	13.00	\$68,588.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
24	TRUNCATED DOMES	SF	272	40.00	\$10,880.00
25	4" NON-METALLIC CONDUIT	LF	960	5.00	\$4,800.00
26	TRAFFIC CONTROL	LS	1	2000.00	\$2,000.00
27	TEMPORARY TRAFFIC DETOUR	LS	1	3000.00	\$3,000.00
28	SIGN PANELS TYPE SPECIAL	SF	0	22.00	\$0.00
29	SIGN PANELS TYPE C	SF	113	32.00	\$3,616.00
30	INSTALL SIGN PANEL TYPE C	EA	1	150.00	\$150.00
31	PERMANENT TYPE III BARRICADE	EA	9.3	250.00	\$2,325.00
32	SILT FENCE, TYPE MS	LF	500	0.75	\$375.00
33	STORM DRAIN INLET PROTECTION	EA	24	50.00	\$1,200.00
34	STABILIZED CONSTRUCTION EXIT	LS	1	250.00	\$250.00
35	FERTILIZER TYPE 1	LB	800	0.50	\$400.00
36	BOULEVARD TOPSOIL BORROW	CY	2327.9	22.00	\$51,213.80
37	SEEDING	ACRE	1.745	500.00	\$872.50
38	SEED MIXTURE 25-131	LB	700	5.00	\$3,500.00
39	SODDING TYPE SALT TOLERANT	SY	7950.5	5.00	\$39,752.50
40	WATER	MGAL	0	70.00	\$0.00
41	PAVEMENT MESSAGE EPOXY	SF	180	7.00	\$1,260.00
42	4" SOLID LINE EPOXY	LF	7772	0.30	\$2,331.60
43	12" SOLID LINE EPOXY	LF	37	3.50	\$129.50
44	24" SOLID LINE EPOXY	LF	0	4.00	\$0.00
45	8" BROKEN LINE EPOXY	LF	51	2.00	\$102.00
46	4" DOUBLE SOLID LINE EPOXY	LF	8179	0.60	\$4,907.40
47	CROSSWALK EPOXY	LF	1170	5.00	\$5,850.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
48	CHANGE ORDER 1	LS	1	\$5,790.85	\$5,790.85
49	CHANGE ORDER 2	LS	1	\$4,568.84	\$4,568.84
50	CHANGE ORDER 3	LS	1	\$7,174.00	\$7,174.00
51	CHANGE ORDER 4	LS	1	\$10,184.00	\$10,184.00
SUBTOTAL PART 1 - STREET IMPROVEMENTS					\$1,135,066.82
10% Contingency					\$0.00
25% Engineering, Administration, Legal					\$283,766.71
TOTAL PART 1 - STREET IMPROVEMENTS					\$1,418,833.53

No.	Item	Units	Qty	EE Unit Price	EE Total Price
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PART 2 - SANITARY SEWER IMPROVEMENTS

52	CONNECT TO EXISTING SANITARY SEWER	EA	1	\$1,500.00	\$1,500.00
53	6" PVC FORCE MAIN	LF	137	\$40.00	\$5,480.00
TOTAL PART 2 - SANITARY SEWER IMPROVEMENTS					\$6,980.00
10% Contingency					\$0.00
25% Engineering, Administration, Legal					\$1,745.00
TOTAL PART 2 - SANITARY SEWER IMPROVEMENTS					<u>\$8,725.00</u>

PART 3 - WATER MAIN IMPROVEMENTS

54	CONNECT TO EXISTING WATERMAIN	EA	4	\$2,000.00	\$8,000.00
55	HYDRANT	EA	4	\$3,900.00	\$15,600.00
56	16" BUTTERFLY VALVE AND BOX	EA	3	\$3,500.00	\$10,500.00
57	6" GATE VALVE AND BOX	EA	4	\$1,500.00	\$6,000.00
58	8" GATE VALVE AND BOX	EA	0	\$1,800.00	\$0.00
59	12" GATE VALVE AND BOX	EA	2	\$3,200.00	\$6,400.00
60	6" PVC WATERMAIN	LF	100	\$35.00	\$3,500.00
61	8" PVC WATERMAIN	LF	227	\$36.00	\$8,172.00
62	16" PVC WATERMAIN	LF	2299	\$60.00	\$137,940.00
63	DUCTILE IRON FITTINGS	LB	2715	\$7.00	\$19,005.00
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					<u>\$215,117.00</u>
10% Contingency					\$0.00
25% Engineering, Administration, Legal					\$53,779.25
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					<u>\$268,896.25</u>

No.	Item	Units	Qty	EE Unit Price	EE Total Price
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PART 4 - STORM SEWER IMPROVEMENTS

64	REMOVE SEWER PIPE (STORM)	EA	148	\$15.00	\$2,220.00
65	12" RC PIPE APRON	EA	1	\$900.00	\$900.00
66	18" RC PIPE APRON	LF	2	\$1,000.00	\$2,000.00
67	36" RC PIPE APRON	LF	1	\$2,500.00	\$2,500.00
68	4" PVC DRAIN TILE	CY	6385	\$5.00	\$31,925.00
69	12" RC PIPE SEWER CLASS V	EA	268	\$38.00	\$10,184.00
70	15" RC PIPE SEWER CLASS V	EA	1623	\$40.00	\$64,920.00
71	18" RC PIPE SEWER CLASS V	LF	644	\$42.00	\$27,048.00
72	21" RC PIPE SEWER CLASS III	LF	170	\$45.00	\$7,650.00
73	24" RC PIPE SEWER CLASS III	LF	409	\$48.00	\$19,632.00
74	30" RC PIPE SEWER CLASS III	LF	368	\$65.00	\$23,920.00
75	36" RC PIPE SEWER CLASS III	LF	68	\$90.00	\$6,120.00
76	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1 (2'X3')	LF	12	\$1,700.00	\$20,400.00
77	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2 (48" DIA)	LF	13	\$2,000.00	\$26,000.00
78	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 3 (60" DIA)	EA	5.94	\$3,300.00	\$19,602.00
79	RANDOM RIPRAP CLASS III	EA	64.16	\$50.00	\$3,208.00
80	CHANGE ORDER 1	LS	1	\$264.00	\$264.00
81	CHANGE ORDER 2	LS	1	\$792.00	\$792.00

TOTAL PART 4 - STORM SEWER IMPROVEMENTS					<u>\$269,285.00</u>
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10% Contingency					\$0.00
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25% Engineering, Administration, Legal					\$67,321.25
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TOTAL PART 4 - STORM SEWER IMPROVEMENTS					<u>\$336,606.25</u>
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No.	Item	Units	Qty	EE Unit Price	EE Total Price
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PART 5 - LAND ACQUISITIONS

82	STREET RIGHT OF WAY ACQUISITION	LS	1	\$446,000.00	\$446,000.00
	TOTAL PART 5 - LAND ACQUISITIONS				<u>\$446,000.00</u>
	10% Contingency				\$0.00
	25% Engineering, Administration, Legal				\$111,500.00
	TOTAL PART 5 - LAND ACQUISITIONS				<u>\$557,500.00</u>

SUMMARY ESTIMATED PROJECT COSTS:

PART 1 - STREET IMPROVEMENTS	\$1,418,833.53
PART 2 - SANITARY SEWER IMPROVEMENTS	\$8,725.00
PART 3 - WATER MAIN IMPROVEMENTS	\$268,896.25
PART 4 - STORM SEWER IMPROVEMENTS	\$336,606.25
PART 5 - LAND ACQUISITIONS	<u>\$557,500.00</u>
TOTAL ESTIMATED PROJECT COSTS	\$2,590,561.03

ENGINEERS ESTIMATE
SAVANNA WAY PHASE 2
PROJECT NO. 193804164
CHASKA, MINNESOTA
December 14, 2023

No.	Item	Units	Qty	EE Unit Price	EE Total Price
PART 1 - STREET IMPROVEMENTS					
1	MOBILIZATION	LS	1	\$110,000.00	\$110,000.00
2	TRAFFIC CONTROL	LS	1	\$7,500.00	\$7,500.00
3	ROCK CONSTRUCTION ENTRANCE	EA	2	\$3,000.00	\$6,000.00
4	STREET SWEEPER WITH PICK UP BROOM WITH OPERATOR	HR	20	\$150.00	\$3,000.00
5	CLEAR AND GRUB	ACRE	0.5	\$10,000.00	\$5,000.00
6	SAWING BITUMINOUS PAVEMENT	LF	150	\$8.00	\$1,200.00
7	BUILDING REMOVAL	LS	1	\$92,900.00	\$92,900.00
8	REMOVE EXISTING PRIVATE BRIDGE	LS	LS	\$6,000.00	\$6,000.00
9	REMOVE CONCRETE SIDEWALK	SY	260	\$5.90	\$1,534.00
10	REMOVE CONCRETE DRIVEWAY	SY	475	\$9.20	\$4,370.00
11	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SY	1766	\$1.00	\$1,766.00
12	REMOVE SIGN	EA	6	\$200.00	\$1,200.00
13	REMOVE DITCH CHECK	EA	10	\$500.00	\$5,000.00
14	REMOVE BITUMINOUS PAVEMENT	SY	350	\$6.00	\$2,100.00
15	REMOVE STORM SEWER PIPE	LF	525	\$14.00	\$7,350.00
16	REMOVE SANITARY SEWER MANHOLE	EA	2	\$1,500.00	\$3,000.00
17	REMOVE SANITARY SEWER PIPE	LF	65	\$15.00	\$975.00
18	REMOVE SANITARY FORCE MAIN	LF	550	\$10.00	\$5,500.00
19	REMOVE EXISTING SILT FENCE/BIOLOGS	LF	3000	\$1.50	\$4,500.00
20	REMOVE EXISTING RIPRAP	CY	200	\$40.00	\$8,000.00
21	ABANDON SANITARY FORCE MAIN	LF	650	\$15.00	\$9,750.00
22	ABANDON LIFT STATION	LS	1	\$20,000.00	\$20,000.00
23	COMMON EXCAVATION (EV)	CY	5,800	\$17.00	\$98,600.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
24	MUCK EXCAVATION	CY	1,500	\$17.00	\$25,500.00
25	SUBGRADE EXCAVATION (EV)	CY	500	\$17.00	\$8,500.00
26	DEWATERING	LS	1	\$50,000.00	\$50,000.00
27	DEWATERING SPECIAL	LS	1	\$15,000.00	\$15,000.00
28	TEMPORARY STREAM DIVERSION	LS	1	\$8,400.00	\$8,400.00
29	SELECT GRANULAR BORROW (CV)	CY	6,400	\$25.00	\$160,000.00
30	COMMON EMBANKMENT	CY	23,780	\$4.60	\$109,388.00
31	SELECT GRANULAR EMBANKMENT	CY	3,500	\$26.00	\$91,000.00
32	GRANULAR BORROW (CV)	CY	500	\$23.00	\$11,500.00
33	TOP SOIL BORROW (LV)	CY	1,500	\$30.00	\$45,000.00
34	GEOTEXTILE FABRIC, TYPE V	SY	8,925	\$2.50	\$22,312.50
35	SOIL STABILIZATION GEOGRID (HX165)	SY	2,100	\$6.00	\$12,600.00
36	AGGREGATE BASE, CLASS 5, 100% CRUSHED	TN	6,350	\$25.00	\$158,750.00
37	AGGREGATE BASE, CLASS 5, 100% CRUSHED - TRAIL/WALK	TN	1,550	\$30.00	\$46,500.00
38	WATER FOR DUST CONTROL	1000 GAL	50	\$75.00	\$3,750.00
39	TYPE SP 12.5 WEARING COURSE (3,C)	TN	2,300	\$105.00	\$241,500.00
40	TYPE SP 12.5 WEARING COURSE (4,F)	TN	65	\$130.00	\$8,450.00
41	TYPE SP 12.5 NONWEAR COURSE (4,B)	TB	50	\$83.00	\$4,150.00
42	TYPE SP 9.5 WEARING COURSE (2,B) TRAIL PAVING	TN	375	\$110.00	\$41,250.00
43	BITUMINOUS WEDGE FOR PLOW PROTECTION	TN	30	\$300.00	\$9,000.00
44	BITUMINOUS MATERIAL FOR TACK COAT	GAL	400	\$4.00	\$1,600.00
45	4" PERFORATED POLYETHYLENE PIPE	LF	3,125	\$11.00	\$34,375.00
46	4" PERFORATED PVC DRAIN TILE, SCHEDULE SDR 26	LF	400	\$15.00	\$6,000.00
47	POTHOLE EXISTING UTILITY	EA	2	\$700.00	\$1,400.00
48	4" CONCRETE MEDIAN	SF	350	\$6.00	\$2,100.00
49	B618 CONCRETE CURB AND GUTTER	LF	3,950	\$21.00	\$82,950.00
50	4" CONCRETE WALK	SF	11,000	\$5.50	\$60,500.00
51	CONCRETE PEDESTRIAN CURB RAMP	SF	500	\$18.00	\$9,000.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
52	TRUNCATED DOME PANEL	SF	70	\$50.00	\$3,500.00
53	JOINT SEALANT	LF	1000	\$10.00	\$10,000.00
54	STREET LIGHT:POLE, LIGHT FIXTURE	EA	5	\$5,000.00	\$25,000.00
55	2" PVC CONDUIT AND WIRE, FOR STREET LIGHTS	LF	2000	\$8.00	\$16,000.00
56	4" PVC CONDUIT	LF	130	\$15.00	\$1,950.00
57	SIGN PANELS TYPE C	SQ FT	40	\$140.00	\$5,600.00
58	SIGN PANELS TYPE D	SQ FT	10	\$140.00	\$1,400.00
59	4" SOLID LINE, WHITE PAINT	LF	1,600	\$0.50	\$800.00
60	4" DOUBLE SOLID LINE, YELLOW PAINT	LF	2,200	\$0.90	\$1,980.00
61	4" SOLID LINE, WHITE EPOXY	LF	1,200	\$1.00	\$1,200.00
62	4" SOLID LINE, YELLOW EPOXY	LF	425	\$1.00	\$425.00
63	4" DOUBLE SOLID LINE, YELLOW EPOXY	LF	2,200	\$1.80	\$3,960.00
64	12" SOLID LINE, YELLOW EPOXY	LF	250	\$11.00	\$2,750.00
65	PAVMENT MESSAGE ARROWS THRU RIGHT, WHITE EPOXY	EA	2	\$250.00	\$500.00
66	PAVMENT MESSAGE ARROWS LEFT, WHITE EPOXY	EA	4	\$225.00	\$900.00
67	PAVEMENT MARKING, CROSSWALK ZEBRA STRIPES, EPOXY	SQ FT	600	\$5.50	\$3,300.00
68	BOULEVARD TREE	EA	70	\$600.00	\$42,000.00
69	CHAIN LINK SAFETY FENCE	LF	225	\$110.00	\$24,750.00
70	PROTECTION OF CATCH BASIN IN STREET (BEFORE CURB)	EA	8	\$250.00	\$2,000.00
71	PROTECTION OF CATCH BASIN IN STREET (AFTER CURB)	EA	20	\$250.00	\$5,000.00
72	SILT FENCE, MACHINE SLICED	LF	5,000	\$2.50	\$12,500.00
73	SEDIMENT CONTROL LOG	LF	750	\$3.00	\$2,250.00
74	FLOATING SILT FENCE	LF	50	\$21.50	\$1,075.00
75	SEEDING	AC	4.5	\$1,000.00	\$4,500.00
76	SUBSOILING	AC	4.5	\$1,700.00	\$7,650.00
77	SEED MIXTURE TYPE 25-131	LB	1000	\$5.50	\$5,500.00
78	MULCH MATERIAL, TYPE 1	TN	5	\$350.00	\$1,750.00
79	EROSION CONTROL BLANKETS, CATEGORY 3N	SY	9,700	\$1.75	\$16,975.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
80	HYDROMULCH TYPE STABILIZED FIBER MATRIX	AC	2	\$4,500.00	\$9,000.00
81	HYDRAULIC SOIL STABILIZER TYPE 6	AC	3	\$3,500.00	\$10,500.00
82	SOD	SY	720	\$10.00	\$7,200.00
83	IRRIGATION REPAIR	LS	1	\$2,500.00	\$2,500.00
84	LANDSCAPE RESTORATION ALLOWANCE	LS	1	\$5,000.00	\$5,000.00
85	WATER FOR TURF ESTABLISHMENT	MGAL	100	\$50.00	\$5,000.00
	SUBTOTAL PART 1 - STREET IMPROVEMENTS				\$1,920,135.50
	10% Contingency				\$192,013.55
	25% Engineering, Administration, Legal				\$528,037.26
	TOTAL PART 1 - STREET IMPROVEMENTS				\$2,640,186.31
PART 2 - SANITARY SEWER IMPROVEMENTS					
86	CONNECT TO EXISTING SANITARY SEWER PIPE	EA	2	\$5,000.00	\$10,000.00
87	CONNECT TO EXISTING SANITARY MANHOLE	EA	1	\$10,000.00	\$10,000.00
88	ADJUST FRAME & RING CASTING	EA	2	\$1,200.00	\$2,400.00
89	RECONSTRUCT SANITARY STRUCTURE	LF	2	\$4,000.00	\$8,000.00
90	4' DIAMETER SANITARY MH, INCL R-1642-B CSTG AND CONC ADJ RINGS	EA	6	\$13,000.00	\$78,000.00
91	4' DIAMETER SANITARY DROP MH, INCL R-1642 CSTG AND CONC ADJ RINGS	EA	1	\$15,000.00	\$15,000.00
92	CONSTRUCT 8" OUTSIDE DROP	LF	4	\$200.00	\$800.00
93	4' DIAMETER SANITARY MANHOLE OVERDEPTH	LF	11	\$550.00	\$6,050.00
94	PROTECTIVE MAHOLE LINING	LF	12	\$500.00	\$6,000.00
95	8" PVC SANITARY SEWER, SDR 35	LF	565	\$70.00	\$39,550.00
96	8" PVC SANITARY SEWER, SDR 26	LF	825	\$100.00	\$82,500.00
97	8" PVC SANITARY SEWER, C900	LF	20	\$200.00	\$4,000.00
98	IMPROVED PIPE FOUNDATION, PER 6" INCREMENT	LF	2500	\$3.00	\$7,500.00
	TOTAL PART 2 - SANITARY SEWER IMPROVEMENTS				\$269,800.00
	10% Contingency				\$26,980.00
	25% Engineering, Administration, Legal				\$74,195.00
	TOTAL PART 2 - SANITARY SEWER IMPROVEMENTS				\$370,975.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
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PART 3 - WATER MAIN IMPROVEMENTS

99	HYDRANT	EA	2	\$7,000.00	\$14,000.00
100	CONNECT TO EXISTING WATER MAIN	EA	2	\$2,200.00	\$4,400.00
101	6" GATE VALVE AND BOX	EA	2	\$3,000.00	\$6,000.00
102	16" GATE VALVE AND BOX	EA	2	\$8,000.00	\$16,000.00
103	6" PVC WATER MAIN, C900	LF	70	\$60.00	\$4,200.00
104	16" PVC WATER MAIN, C900	LF	1700	\$140.00	\$238,000.00
105	INSULATION, 4" THICK	SY	50	\$65.00	\$3,250.00
106	DUCTILE IRON FITTINGS	LB	2200	\$20.00	\$44,000.00
107	IMPROVED PIPE FOUNDATION, PER 6" INCREMENT	LF	3400	\$3.00	\$10,200.00
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					\$340,050.00
10% Contingency					\$34,005.00
25% Engineering, Administration, Legal					\$93,513.75
TOTAL PART 3 - WATER MAIN IMPROVEMENTS					\$467,568.75

PART 4 - STORM SEWER IMPROVEMENTS

108	10X6 PRECAST CONCRETE BOX CULVERT END SECT	EA	2	\$24,000.00	\$48,000.00
109	14X9 PRECAST CONCRETE BOX CULVERT END SECT	EA	2	\$51,000.00	\$102,000.00
110	10X6 PRECAST CONCRETE BOX CULVERT	LF	189	\$1,700.00	\$321,300.00
111	14X9 PRECAST CONCRETE BOX CULVERT END	LF	207	\$2,600.00	\$538,200.00
112	COURSE FILTER AGGREGATE	CY	700	\$55.00	\$38,500.00
113	ADJUST FRAME & RING CASTING	EA	2	\$1,200.00	\$2,400.00
114	CONNECT TO EXISTING STORM STRUCTURE	EA	1	\$1,500.00	\$1,500.00
115	12" RCP STORM SEWER, CLASS 5	LF	15	\$60.00	\$900.00
116	15" RCP STORM SEWER, CLASS 5	LF	250	\$75.00	\$18,750.00
117	18" RCP STORM SEWER, CLASS 5	LF	425	\$85.00	\$36,125.00
118	24" RCP STORM SEWER, CLASS 3	LF	610	\$115.00	\$70,150.00
119	27" RCP STORM SEWER, CLASS 3	LF	275	\$130.00	\$35,750.00

No.	Item	Units	Qty	EE Unit Price	EE Total Price
120	30" RCP STORM SEWER, CLASS 3	LF	300	\$170.00	\$51,000.00
121	36" RCP STORM SEWER, CLASS 3	LF	80	\$190.00	\$15,200.00
122	36" RC PIPE APRON CL III	EA	1	\$4,500.00	\$4,500.00
123	2' X 3' CB, INCL R-3067-V CSTG AND CONC ADJ RINGS	EA	7	\$3,500.00	\$24,500.00
124	4' DIA STORM SEWER CBMH, INC R-3067 CSTG AND CONC ADJ RINGS	EA	5	\$6,000.00	\$30,000.00
125	5' DIA STORM SEWER MH, INC R-3067 CSTG AND CONC ADJ RINGS	EA	5	\$8,500.00	\$42,500.00
126	6' DIA STORM SEWER TREATMENT MH, INC R-1642 CSTG AND CONC ADJ RINGS	EA	1	\$30,000.00	\$30,000.00
127	6' DIA STORM SEWER MH, INC R-3067 CSTG AND HDPE ADJ RINGS	EA	1	\$10,000.00	\$10,000.00
128	RANDOM RIPRAP CL III	CY	15	\$100.00	\$1,500.00
129	RANDOM RIPRAP CL V	CY	800	\$84.00	\$67,200.00
130	GEOTEXTILE FABRIC, TYPE 5	SY	970	\$2.00	\$1,940.00
131	GEOTEXTILE FILTER TYPE IV	SY	25	\$5.00	\$125.00
TOTAL PART 4 - STORM SEWER IMPROVEMENTS					\$441,640.00
10% Contingency					\$44,164.00
25% Engineering, Administration, Legal					\$121,451.00
TOTAL PART 4 - STORM SEWER IMPROVEMENTS					<u>\$607,255.00</u>
PART 5 - LAND ACQUISITIONS					
132	STREET RIGHT OF WAY ACQUISITION	LS	1	\$334,000.00	\$334,000.00
133	POND/COTTRELL PROPERTY ACQUISITION	LS	1	\$1,260,000.00	\$1,260,000.00
TOTAL PART 5 - LAND ACQUISITIONS					\$1,594,000.00
10% Contingency					\$0.00
25% Engineering, Administration, Legal					\$398,500.00
TOTAL PART 5 - LAND ACQUISITIONS					<u>\$1,992,500.00</u>

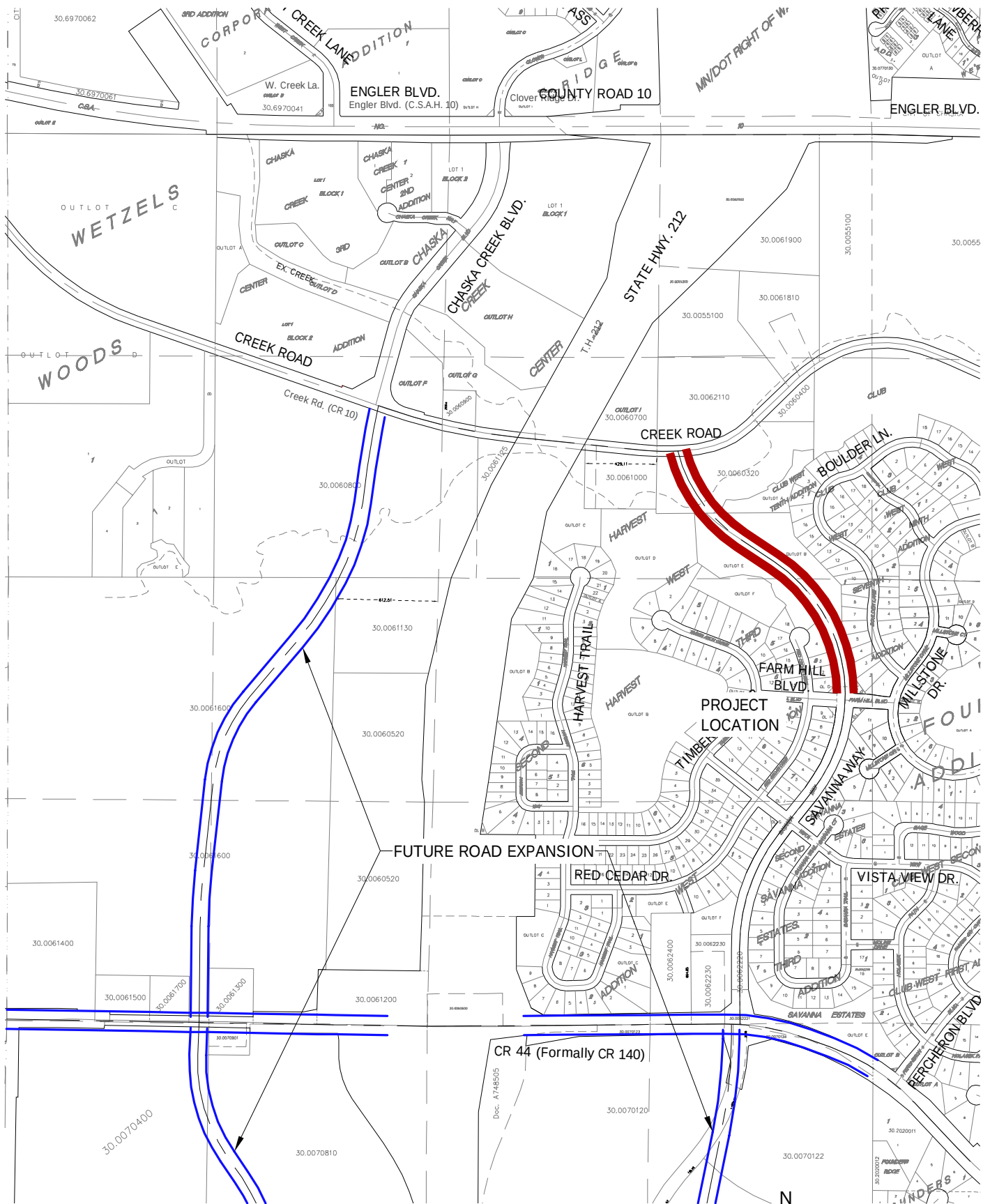
No.	Item	Units	Qty	EE Unit Price	EE Total Price
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SUMMARY ESTIMATED PROJECT COSTS:

PART 1 - STREET IMPROVEMENTS					\$2,640,186.31
PART 2 - SANITARY SEWER IMPROVEMENTS					\$370,975.00
PART 3 - WATER MAIN IMPROVEMENTS					\$467,568.75
PART 4 - STORM SEWER IMPROVEMENTS					\$607,255.00
PART 5 - LAND ACQUISITIONS					<u>\$1,992,500.00</u>
TOTAL ESTIMATED PROJECT COSTS					\$6,078,485.06

Appendix B Figures

Page 145 of 352



FUTURE ROAD EXPANSION

CITY OF CHASKA
 SAVANNA WAY PHASE II

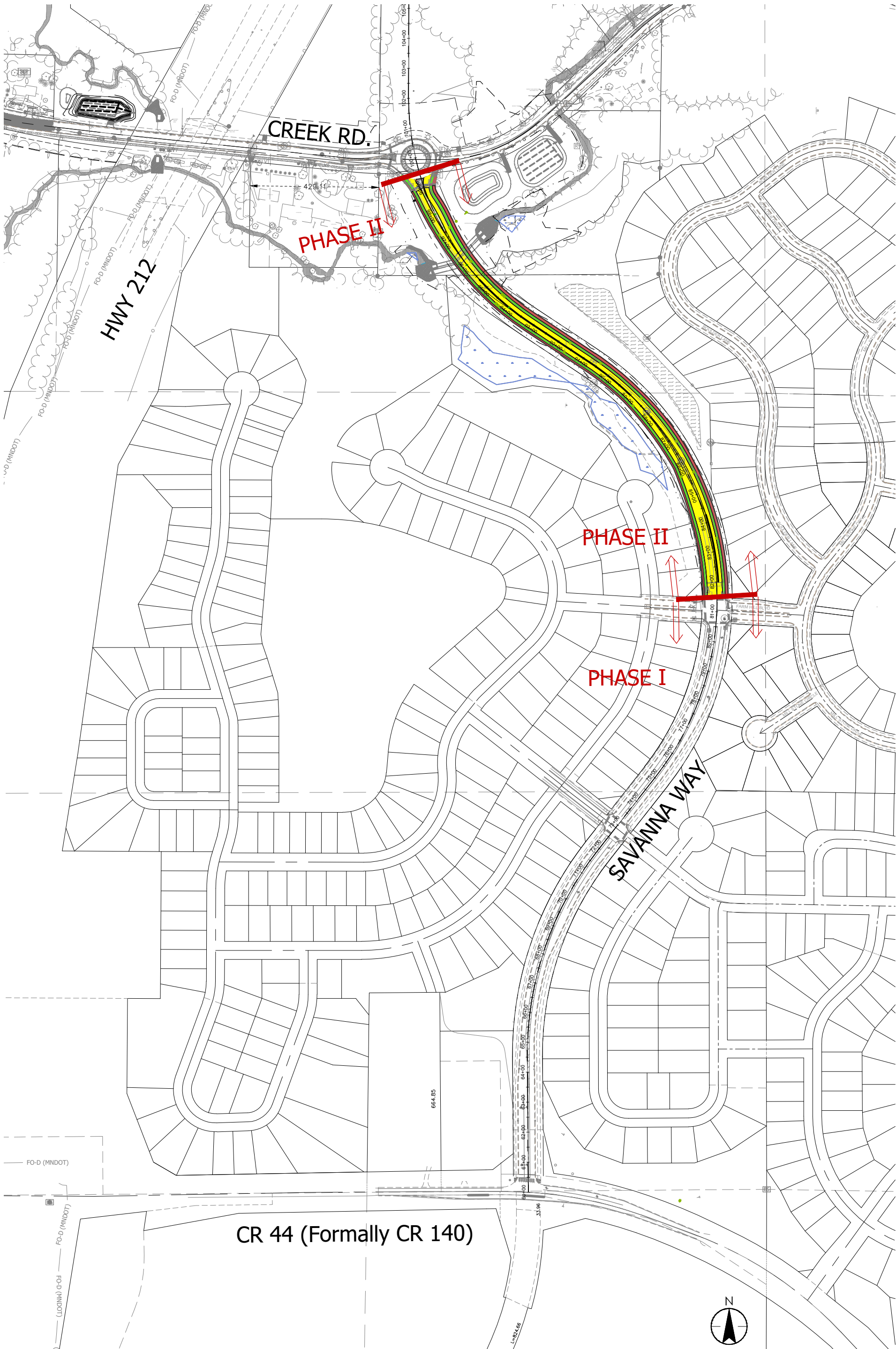
FIGURE: 2



733 Marquette Avenue, Suite 1000
 Minneapolis, MN 55402
 www.stantec.com

DATE: 12/11/2023

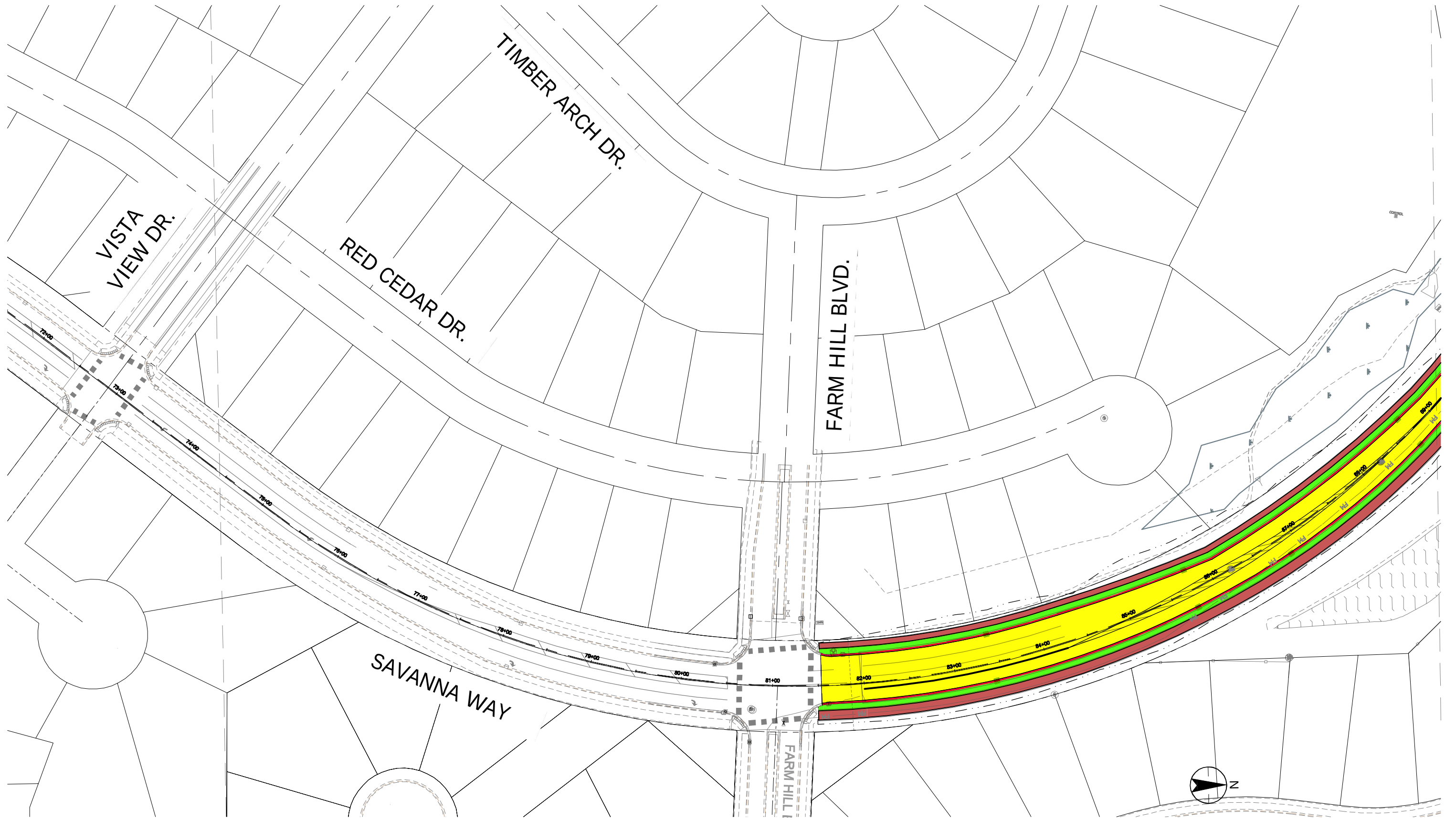
PROJ. NO.: 193804164



OVERALL PROJECT LAYOUT

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 4

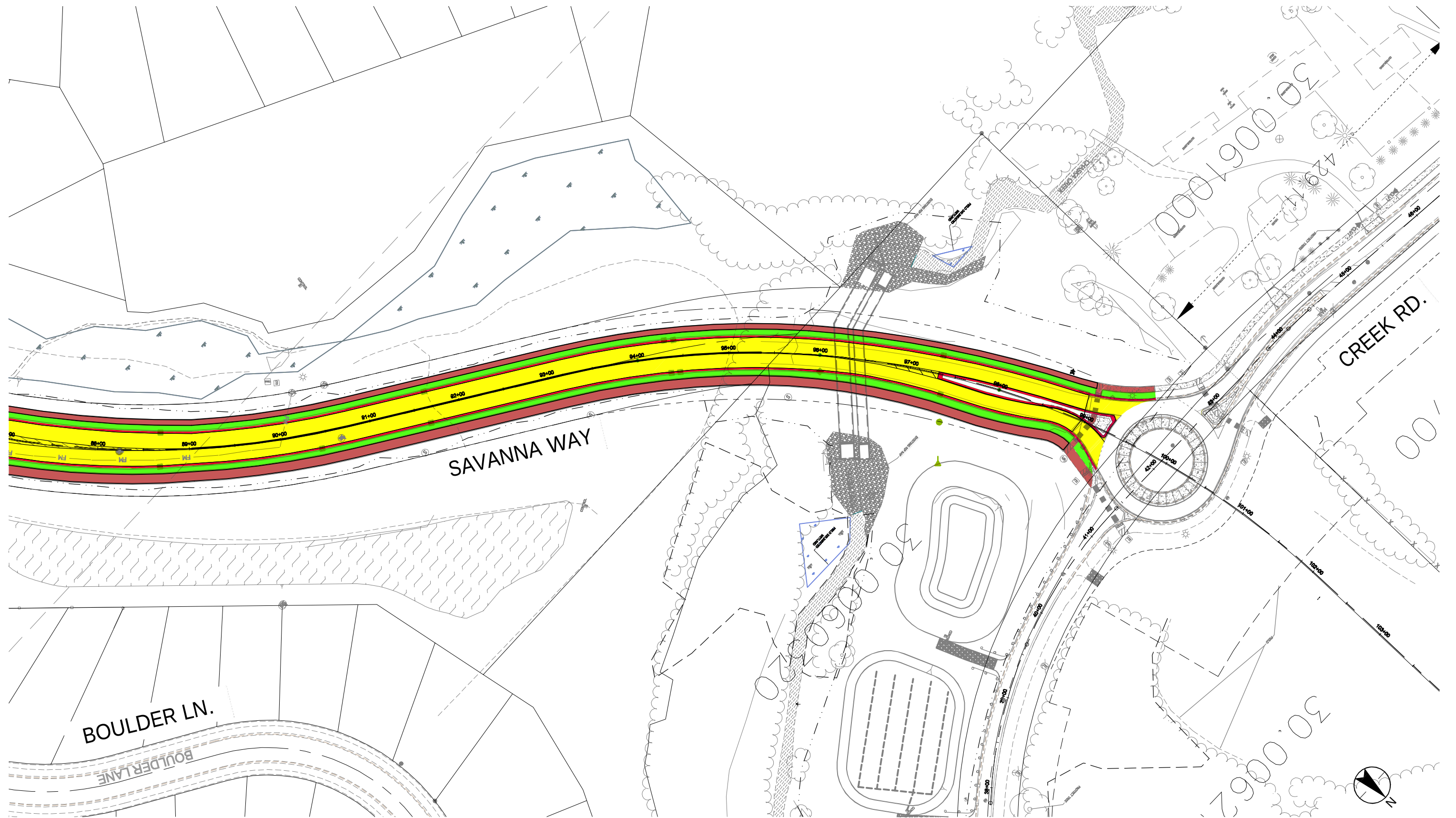


NE COLLECTOR - STREET IMPROVEMENT

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 5

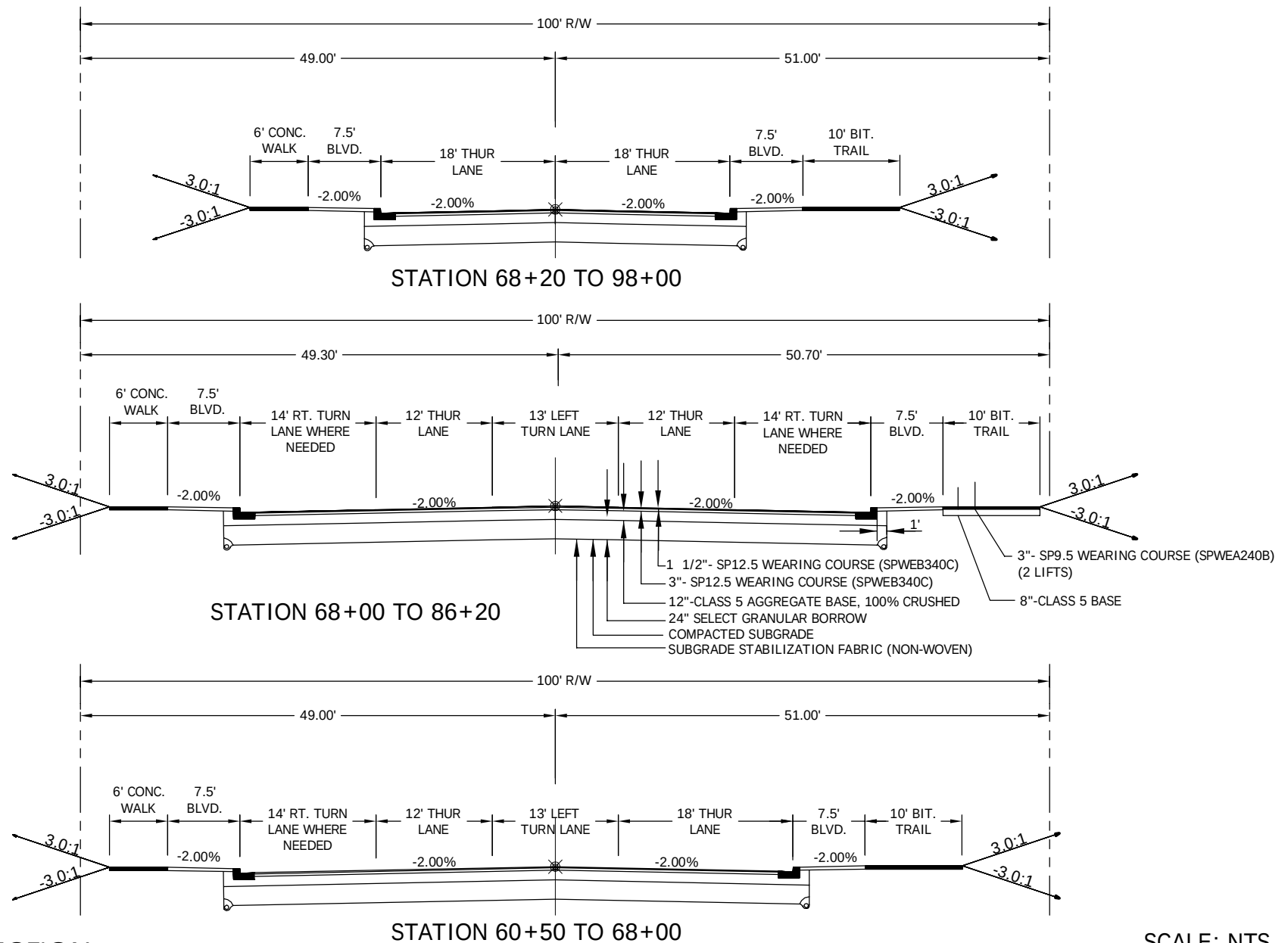
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NE COLLECTOR - STREET IMPROVEMENT

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 6



TYPICAL SECTION

SCALE: NTS

CITY OF CHASKA, MINNESOTA
SAVANNA WAY PHASE II

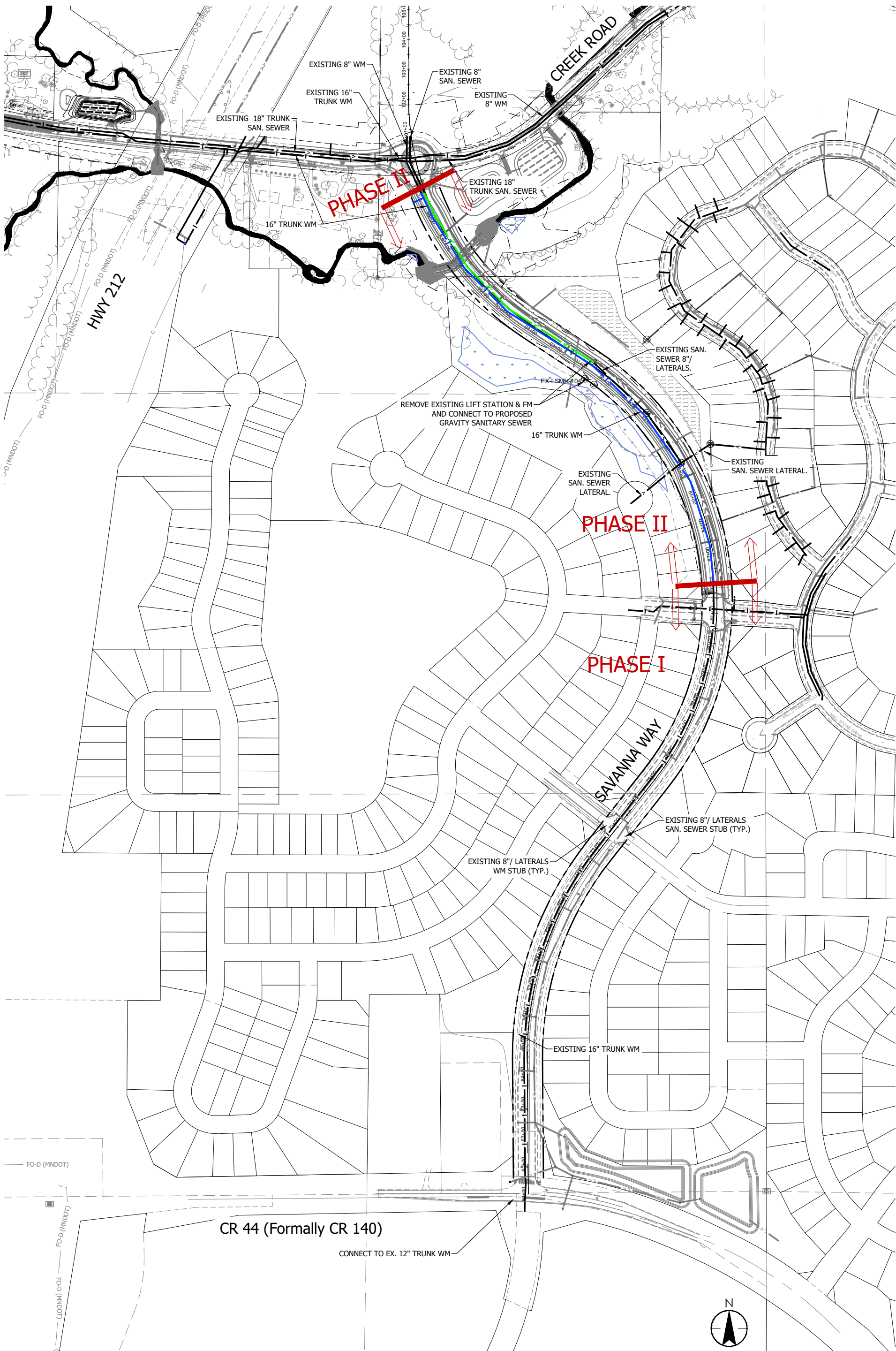
FIGURE 7



733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

DATE: 12/11/2023

PROJ. NO.: 193804164

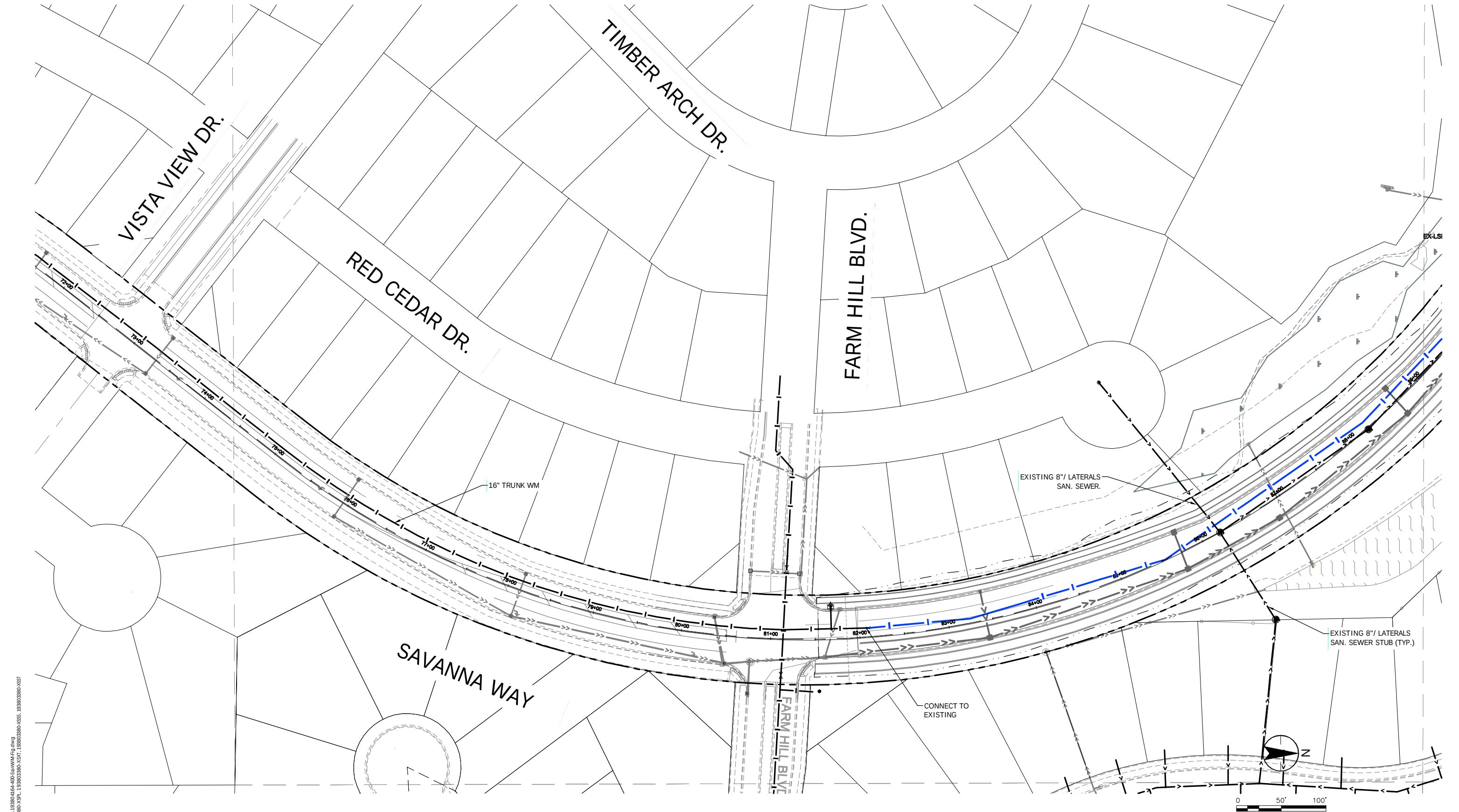


SANITARY SEWER AND WATER MAIN - PHASING

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 8

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XREFs: 193803380.XSD, 193803380.XSP, 193803380.XST, 193803380.XSS, 193803380.XST

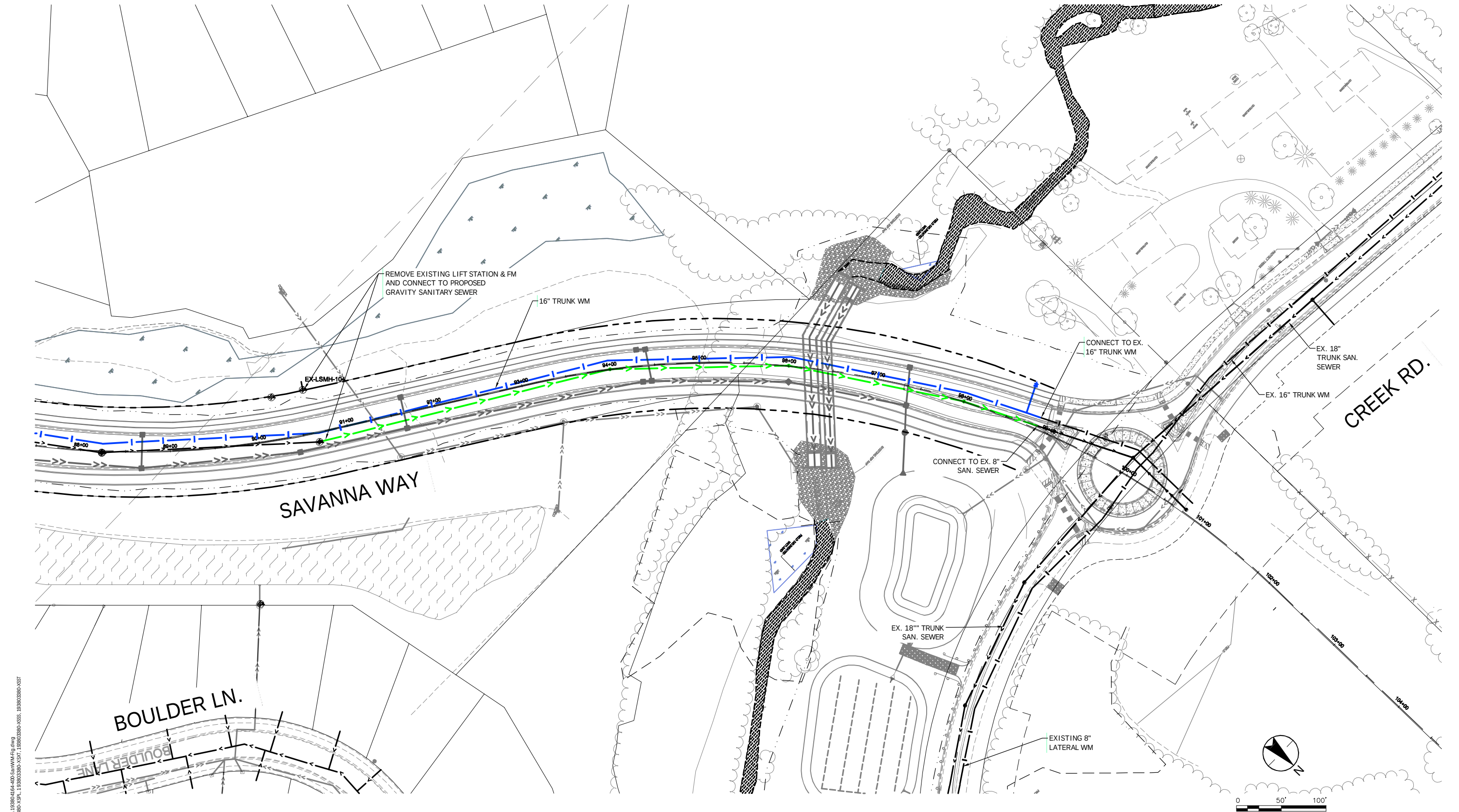


PROPOSED SANITARY SEWER AND WATER MAIN IMPROVEMENTS

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 9

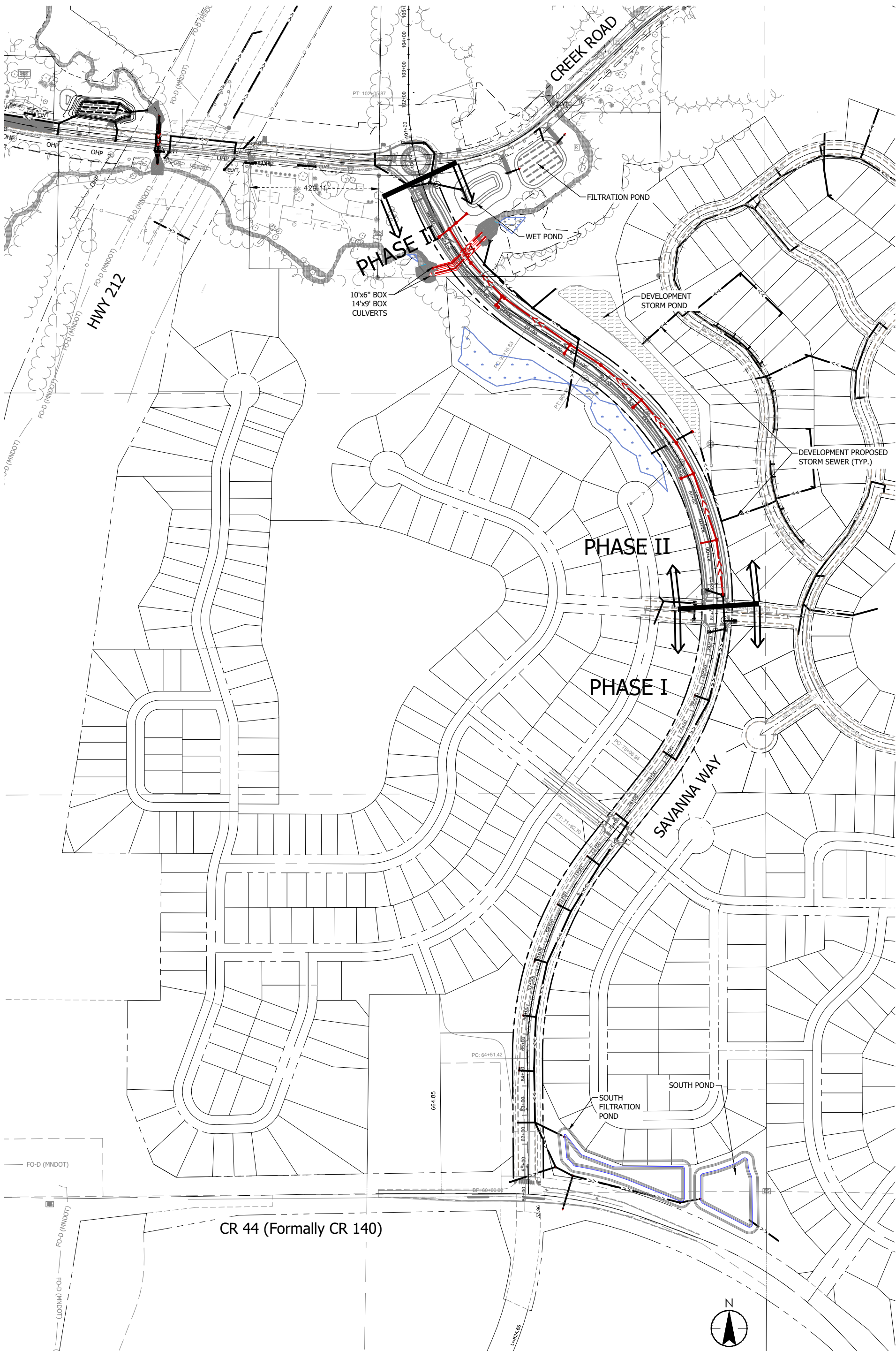
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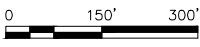
PROPOSED SANITARY SEWER AND WATER MAIN IMPROVEMENTS

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 10

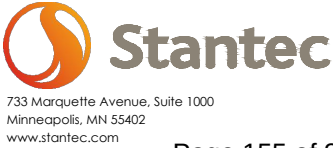


PROPOSED PHASING FOR STORM SEWER AND PONDING IMPROVEMENTS

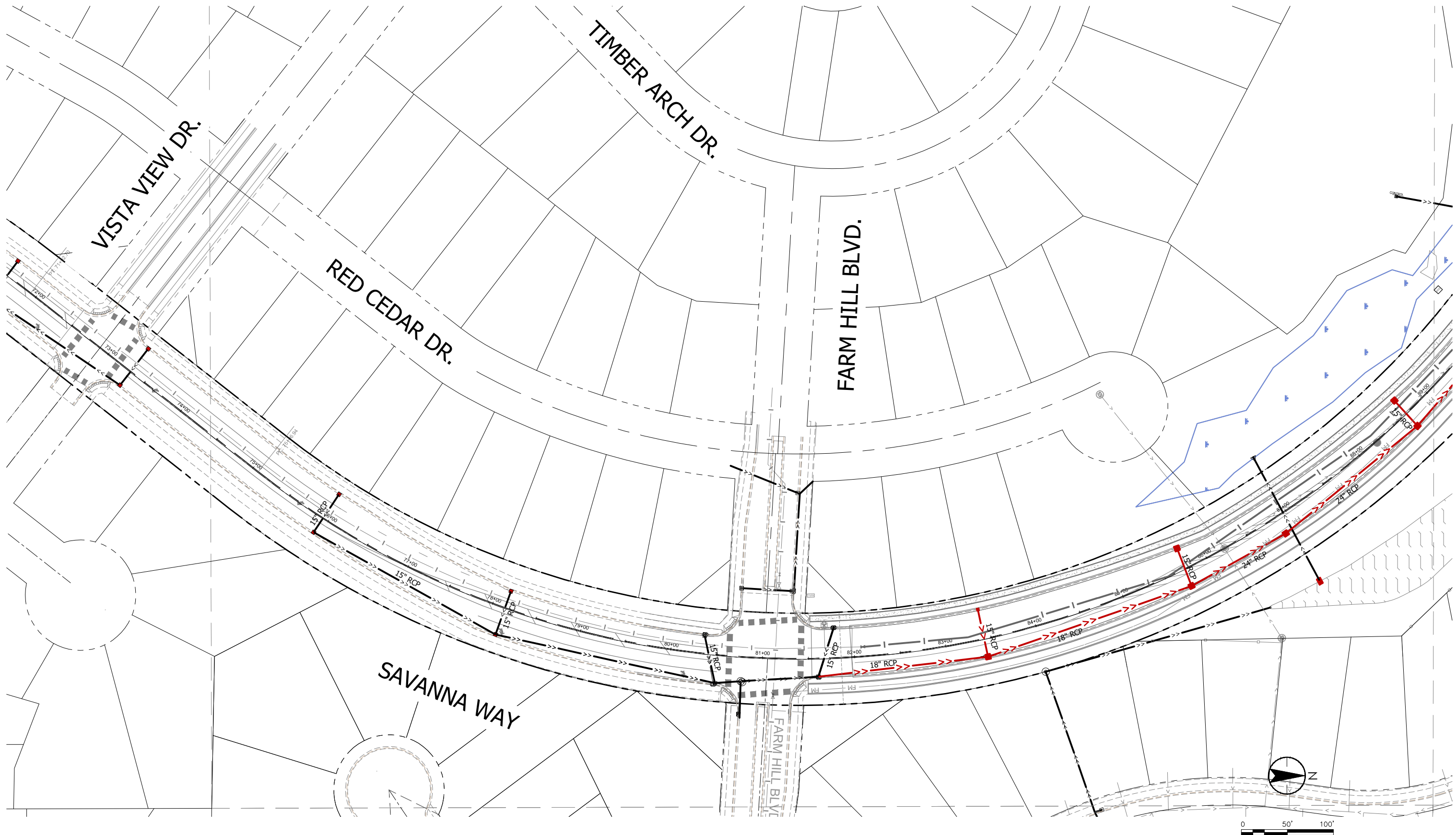


CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 11



Plot Date: 12/13/2023 - 3:10pm
Drawn: [redacted]
XREF: 193803380.XSVP, 193803380.XSNO, 193803380.XSP, 193803380.XSST, 193803380.XSS, 193803380.XSST



PROPOSED STORM SEWER AND PONDING IMPROVEMENTS

CITY OF CHASKA
SAVANNA WAY PHASE II

FIGURE 12

Plot Date: 12/14/2023 - 11:11 am
Drawing name: C:\pwworking\193804164\193804164-500-Storm-fig.dwg
Xrefs: 193803380-XSAP, 193803380-XSPL, 193803380-XSNT, 193803380-XSS, 193803380-XST

REQUEST FOR ACTION CHASKA CITY COUNCIL FEBRUARY 26, 2024

Subject: **Adopt Resolution 2024-14 Accepting the Feasibility Report for the 2024 Street & Utility Reconstruction Improvements, Calling for a Public Improvement Hearing, and Authorizing Preparation of Construction Documents**

Prepared By: **Matt Clark, City Engineer**

Background

As Council is aware, the TH 41 Downtown Chaska Project included several components including the roadway improvements, streetscape, wayfinding, and landscaping. The roadway improvements were substantially completed in 2023, as well as some of the streetscaping.

2024 Project

The 2024 project, which is estimated to begin in late March (weather dependent), will complete the remaining items originally anticipated with the project and consistent with past projects in the downtown area. These include:

- Underpass
Construction of the trail underpass at TH 41 in the former railbed will be completed and open to public use.
- Paseos & Parking Lots
The alleyway network on the east side of TH 41, referred to as the paseo, will be reconstructed. Parking lots along the paseo will be rebuilt and repaved. This work includes brick paver treatments consistent with streetscaping throughout the downtown commercial areas. The paseos will include gateway structures at the midblock entrances to signal the pedestrian nature of these paths and will include string lights that create a welcoming experience and enhance the feel of pedestrian safety within the network.
- Wayfinding
The wayfinding program includes a network of signs as follows:
 - *Entry signs:* Located on TH 41 at north and south downtown entry points to provide direction to key destinations like the Curling & Event Center, City Square, the Walnut Street National Historic District, and parking.
 - *Directional signs:* At key locations through the downtown commercial district to assist both drivers and pedestrians with directions to public facilities, parks, historic districts and parking.
 - *Parking signs:* Located at entry points to public parking lots throughout downtown.

- *Heritage wall and column panels:* Chaska brick pillars located throughout downtown that will incorporate historic photos relevant to the location. Photos will incorporate QR codes that lead users to additional information about Chaska's history.
- *Heritage kiosks:* Located at multiple locations, kiosks are pedestrian scale four-sided structures that will incorporate wayfinding maps and celebrate historic narratives on topics such as historic 2nd street, the brick and agriculture industries, connections to the MN River, and narratives related to Chaska's founding.
- Landscaping
All planter boxes along TH41 sidewalks and medians will be planted with a mix of trees and perennials in coordination with Public Works to ensure long-term maintainability and viability.

Completion of the underpass, landscaping, paseos, and public parking is anticipated by the end of June/beginning of July. Wayfinding installation is anticipated for completion by August.

City staff recognize that the nature and scope of this work is disruptive to downtown businesses and residents. As was done during the construction in 2023, staff will work with individual business and property owners, as well as the Downtown Chaska Business Alliance to provide consistent updates about what is happening. As was done in 2023, staff is working with Bolton & Menk to develop a communications strategy for the 2024 work to ensure open lines of communication as the project proceeds through completion. The complete communication plan will be shared with Council as soon as it is available and prior to commencement of the work described above.

Funding

The state and federal funding that was secured for the roadway project did not include costs for streetscape, wayfinding, and landscaping, which are estimated at \$2.6M. Because of this, staff is proposing that the project be financed through special assessments on City-owned properties. These properties are shown on the attached assessment map and include the City parking lots acquired through the TH 41 Downtown Chaska project. The amounts are based on the total area of each parking lot area divided by the total project costs that are estimated at \$2.6M. The final assessment role will be presented at a public hearing to be held April 1, 2024 as called for in the attached resolution.

CITY COUNCIL ACTION REQUESTED

Motion to Approve Resolution No. 2024-14, accepting the feasibility report for the 2024 Street & Utility Reconstruction Improvements, Calling for a Public Improvement Hearing, and Authorizing Preparation of Construction Documents.

CITY OF CHASKA
CARVER COUNTY, MINNESOTA

RESOLUTION

DATE 3/21/2022 **RESOLUTION NO.** 2024-14

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**A Resolution Accepting the Feasibility Report for the 2024 Street & Utility
Reconstruction Improvements, Calling for a Public Improvement Hearing, and
Authorizing Preparation of Construction Documents**

WHEREAS, the improvements that are proposed for the City's 2024 Street & Utility Reconstruction Project consist of:

- Streetscaping, irrigation, landscaping, paseo gateways, wayfinding signage, and banners occurring:
 - o In a corridor bounded by the Minnesota River on the south, Pine Street on the west, Walnut Street on the east, and Chaska Boulevard on the north (approximate area);
 - o Within the right-of-way of Chaska Boulevard lying between Cedar Street North on the west and Yellow Brick Road on the east; and
- Within the right-of-way of Chestnut Street North lying between Chaska Boulevard on the south and Walnut Street on the north.;
- Streetscaping and landscaping of 5th Street East;

WHEREAS, the improvements that are proposed for the 2024 Street & Utility Reconstruction Project are consistent with the City's downtown master plan adopted by Chaska City council on February 6, 2012, and

WHEREAS, the feasibility report prepared by HKGI, dated February 26th, 2024, for such improvements is determined feasible in terms of construction and economics;

NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Chaska hereby accepts receipt of the Feasibility Report for the above-described improvements as prepared by HKGI, dated February, 26, 2024, which have an estimated cost of \$2,601,000.

FURTHER BE IT RESOLVED by the City Council of the City of Chaska, Minnesota, that a public hearing shall be held on such proposed improvement on the 1st day of April, 2024, in the council chambers of City Hall at 7 p.m. and the clerk shall give mailed and published notice of such hearing and improvement as required by law.

FURTHER BE IT RESOLVED by the City Council of the City of Chaska, Minnesota, that the City Council authorizes the City Engineer to prepare/order the project plans and specification documents.

Resolution No. _____

Date Here

Page 2

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 26th day of February 2024.

Mark Windschitl, Mayor

Attest _____
Deputy Clerk

2024 DOWNTOWN STREETSCAPE PROJECT

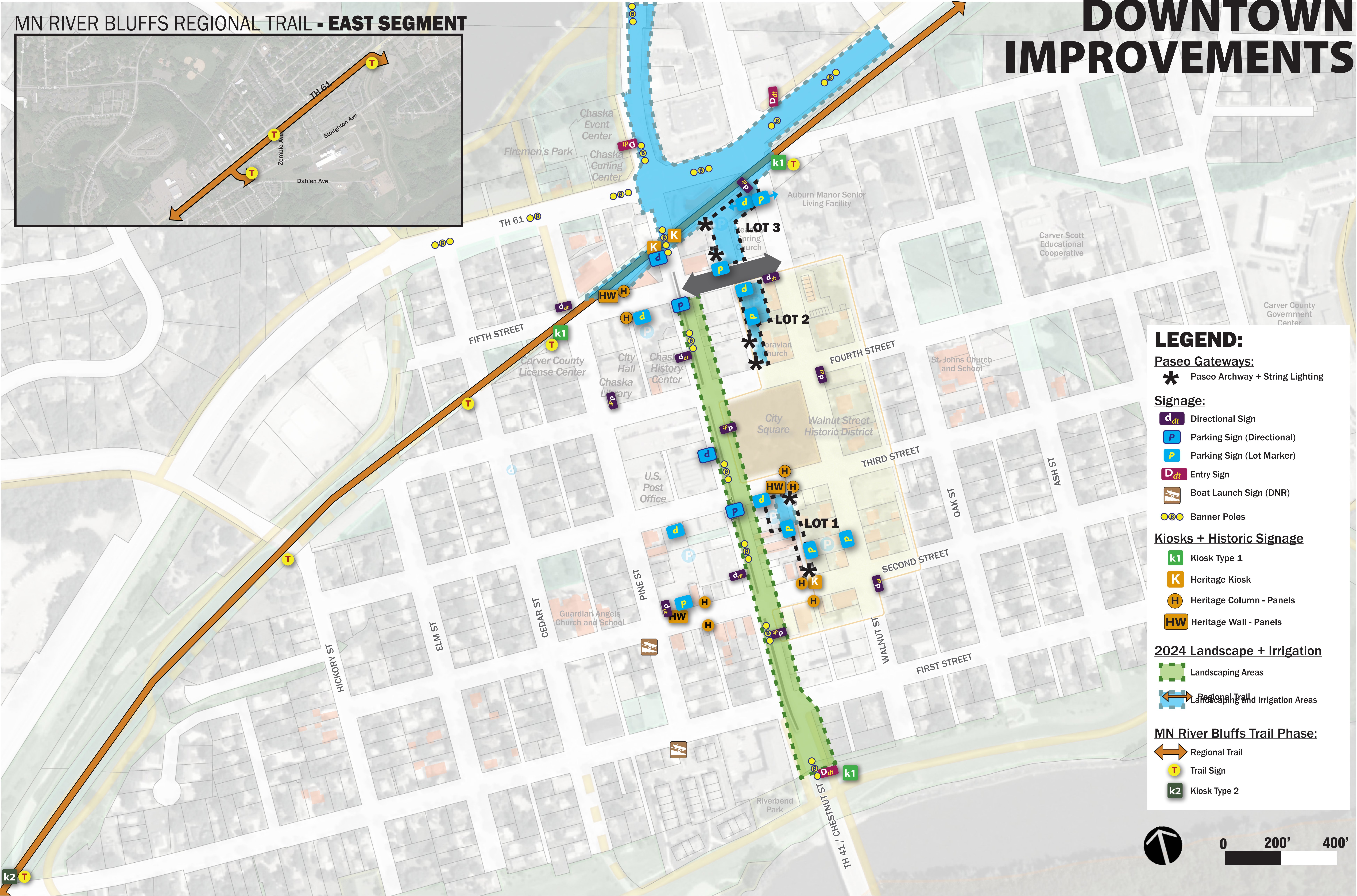
CHASKA

FEBRUARY 26, 2024

DRAFT

MN RIVER BLUFFS REGIONAL TRAIL - EAST SEGMENT

DOWNTOWN IMPROVEMENTS



LEGEND:

Paseo Gateways:

- * Paseo Archway + String Lighting

Signage:

- d** Directional Sign
- P** Parking Sign (Directional)
- P** Parking Sign (Lot Marker)
- D** Entry Sign
- B** Boat Launch Sign (DNR)
- T** Banner Poles

Kiosks + Historic Signage

- k1** Kiosk Type 1
- K** Heritage Kiosk
- H** Heritage Column - Panels
- HW** Heritage Wall - Panels

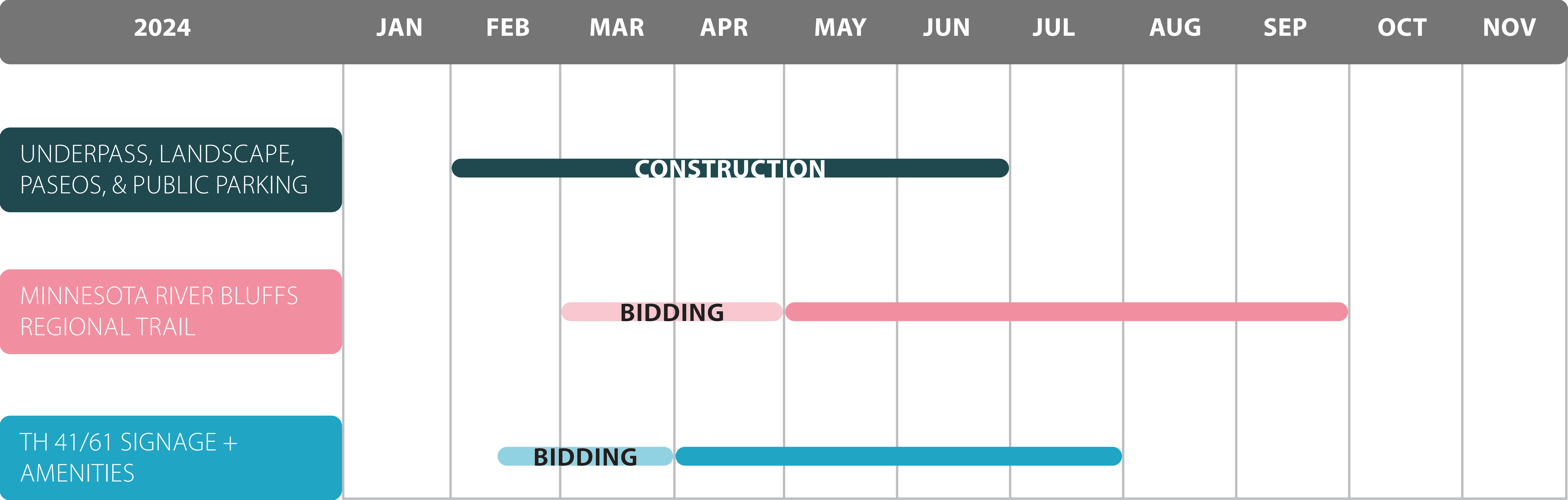
2024 Landscape + Irrigation

- L** Landscaping Areas
- I** Irrigation Areas

MN River Bluffs Trail Phase:

- T** Regional Trail
- T** Trail Sign
- k2** Kiosk Type 2

IMPLEMENTATION SCHEDULE



UNDERPASS / LANDSCAPING / PASEO AND PARKING LOTS

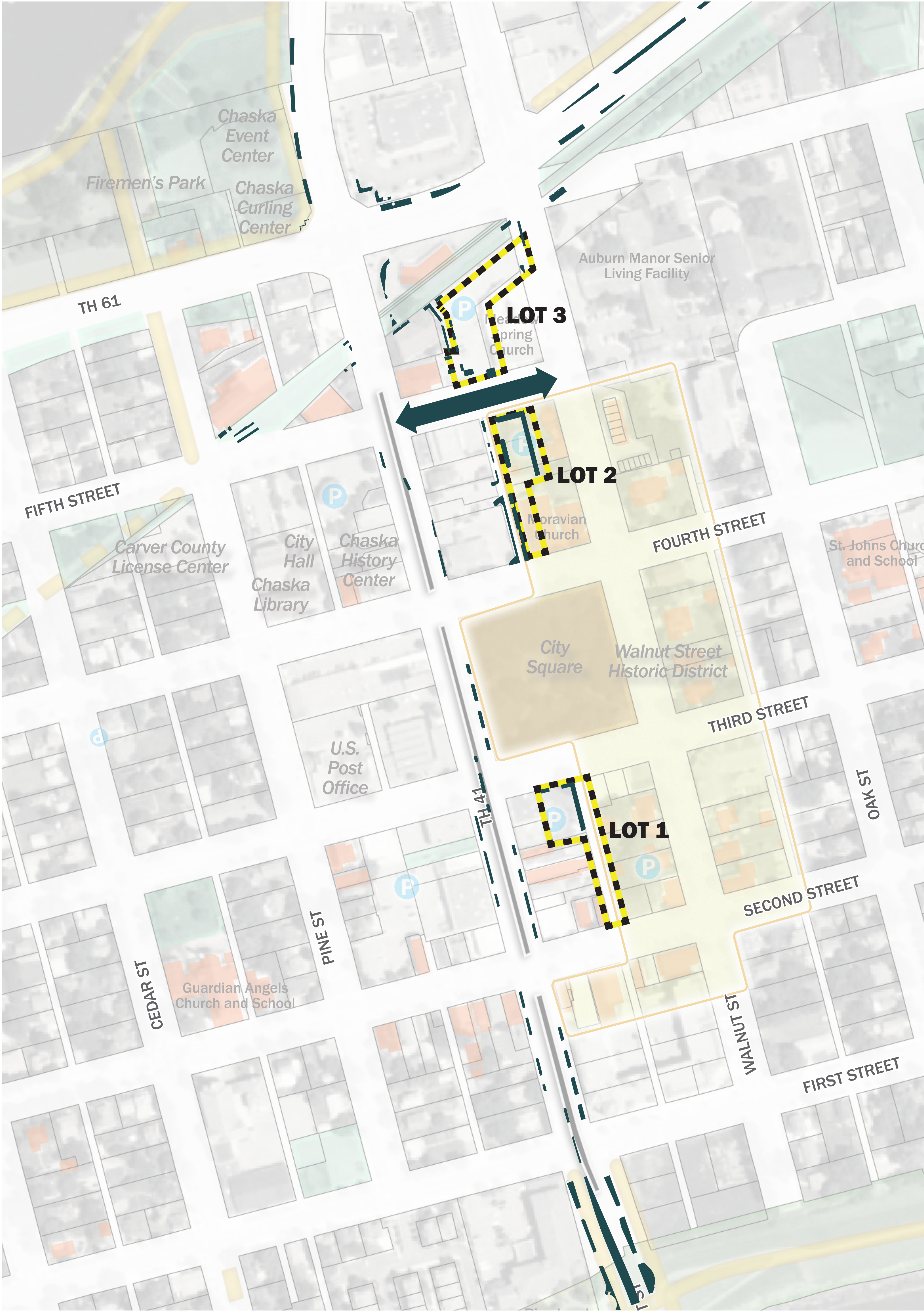
2024	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
UNDERPASS, LANDSCAPE, PASEOS, & PARKING LOTS											

CONSTRUCTION

LEGEND:

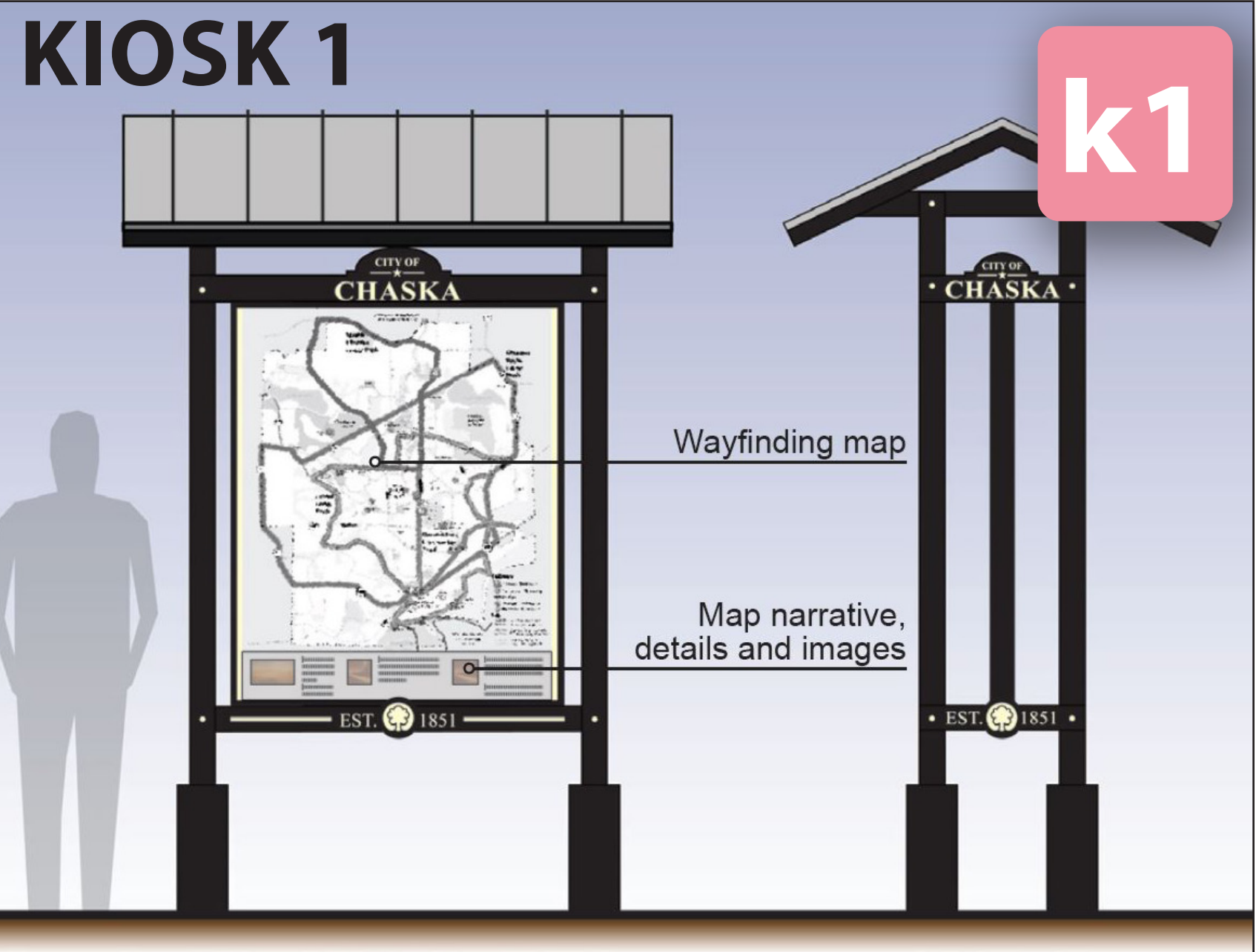
Paseo, Parking, Highway Project

- TH41/61 Landscaping Irrigation Areas
- 5th Street Reconstruction
- Parking Lot / Paseo



REGIONAL TRAIL PROJECT

2024	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
MINNESOTA RIVER BLUFFS REGIONAL TRAIL			BIDDING		CONSTRUCTION						



TH 41/61 SIGNAGE + AMENITIES

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

BIDDING CONSTRUCTION

Paseo Gateways:



Paseo Archway + String Lighting

Directional Sign



Parking Sign (Directional)



Parking Sign (Lot Marker)



Entry Sign



Boat Launch Sign (DNR)



Banner Poles

k1

Kiosk Type 1



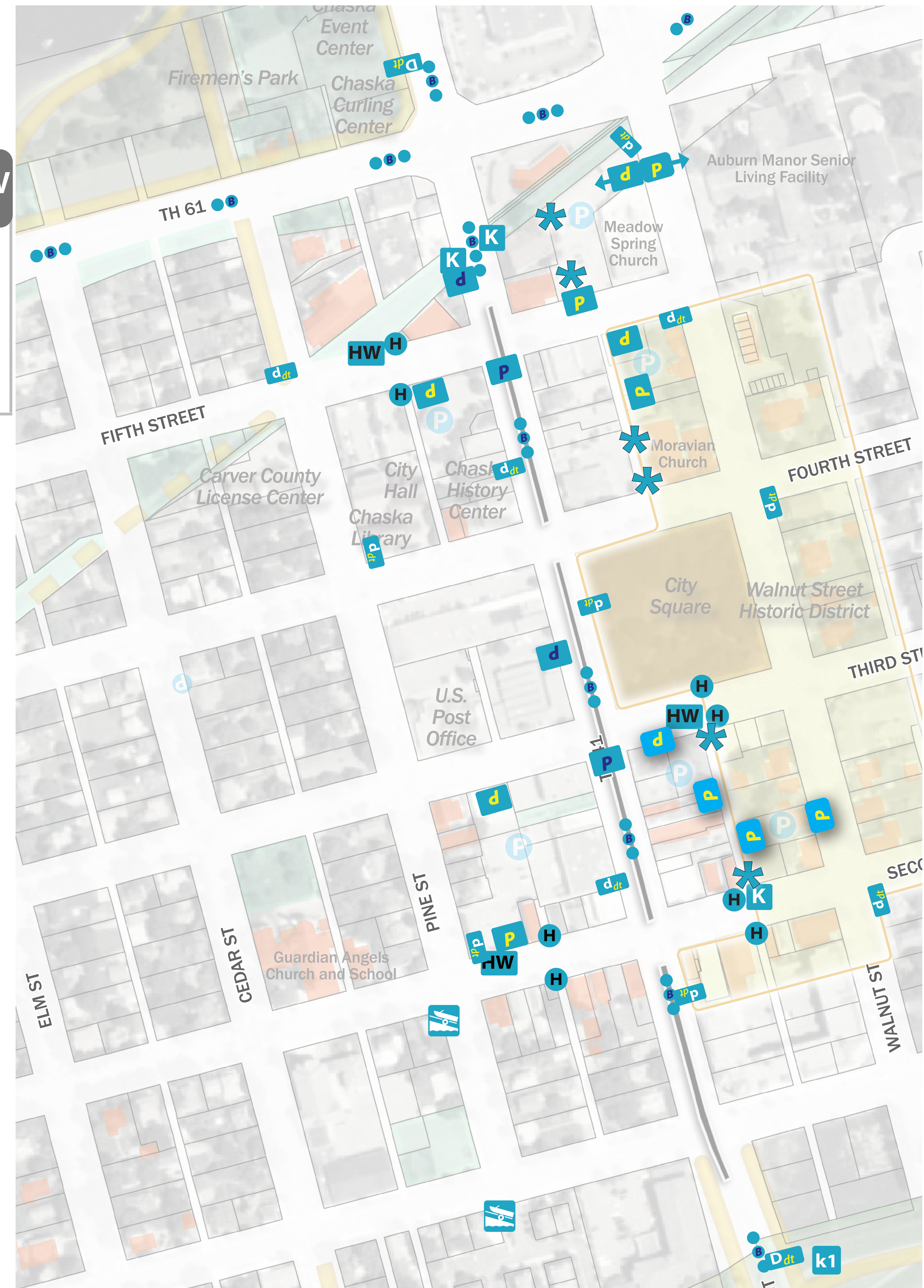
Heritage Kiosk



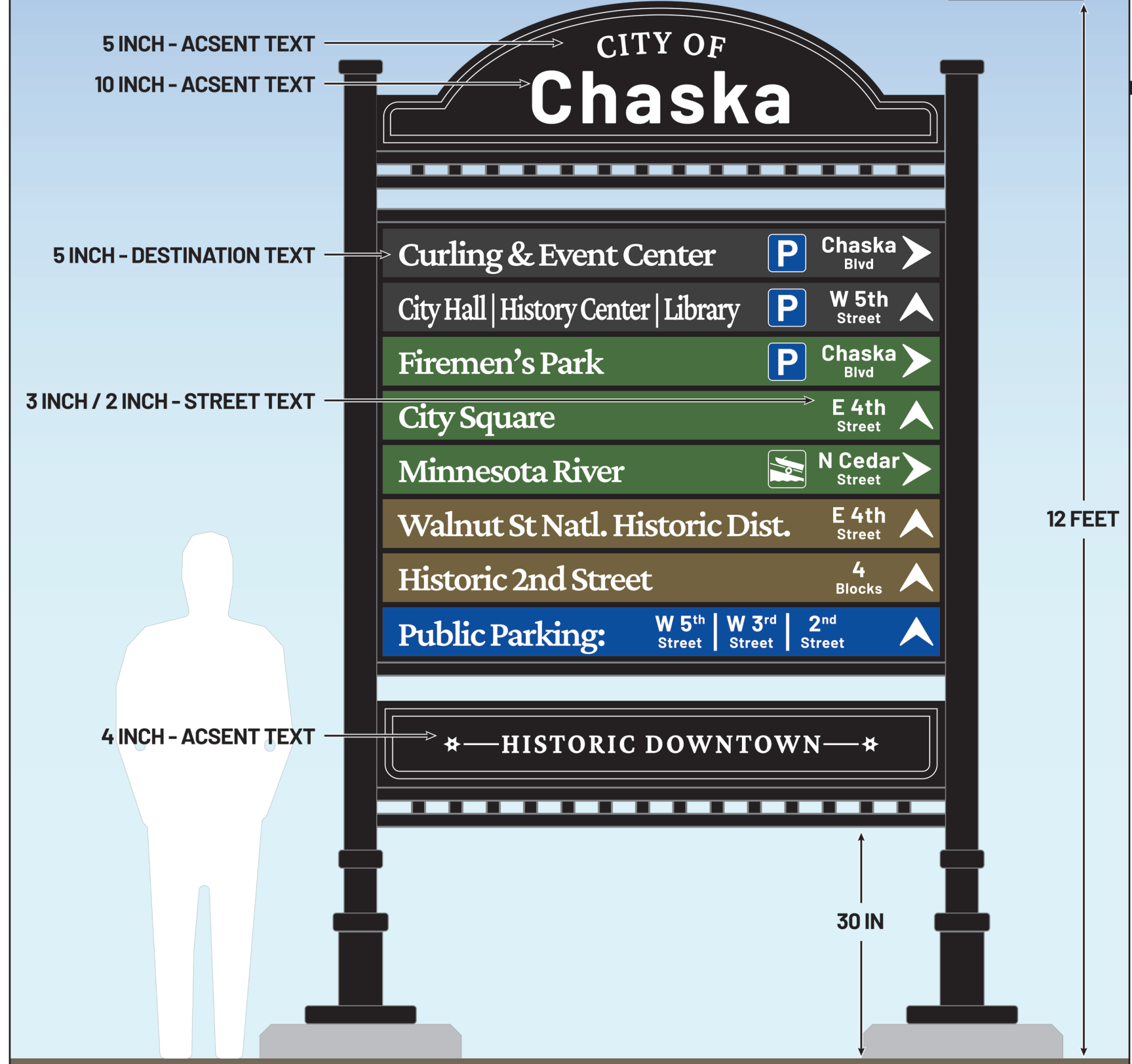
Heritage Column - Panels



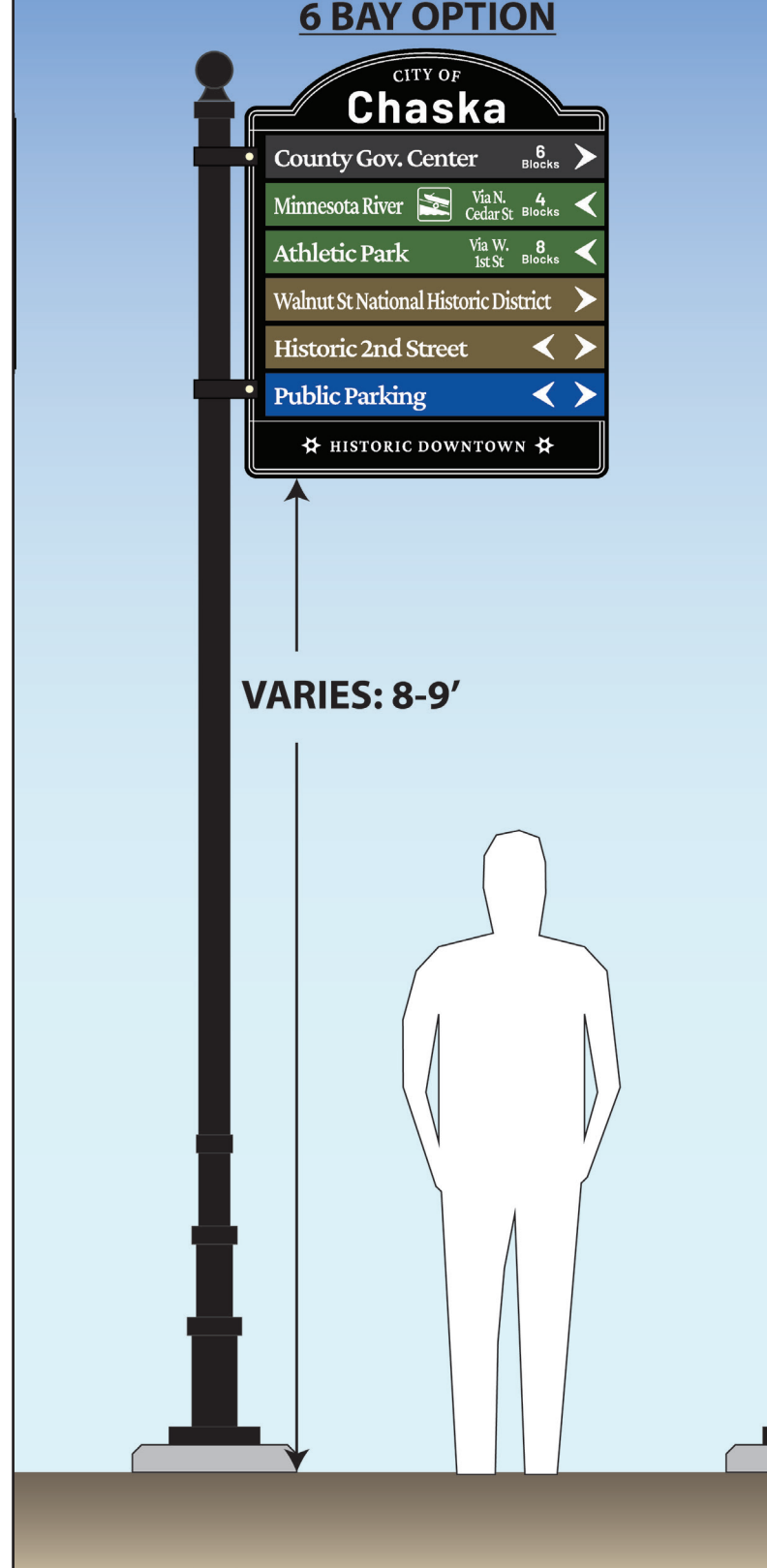
Heritage Wall - Panels



ENTRY SIGN



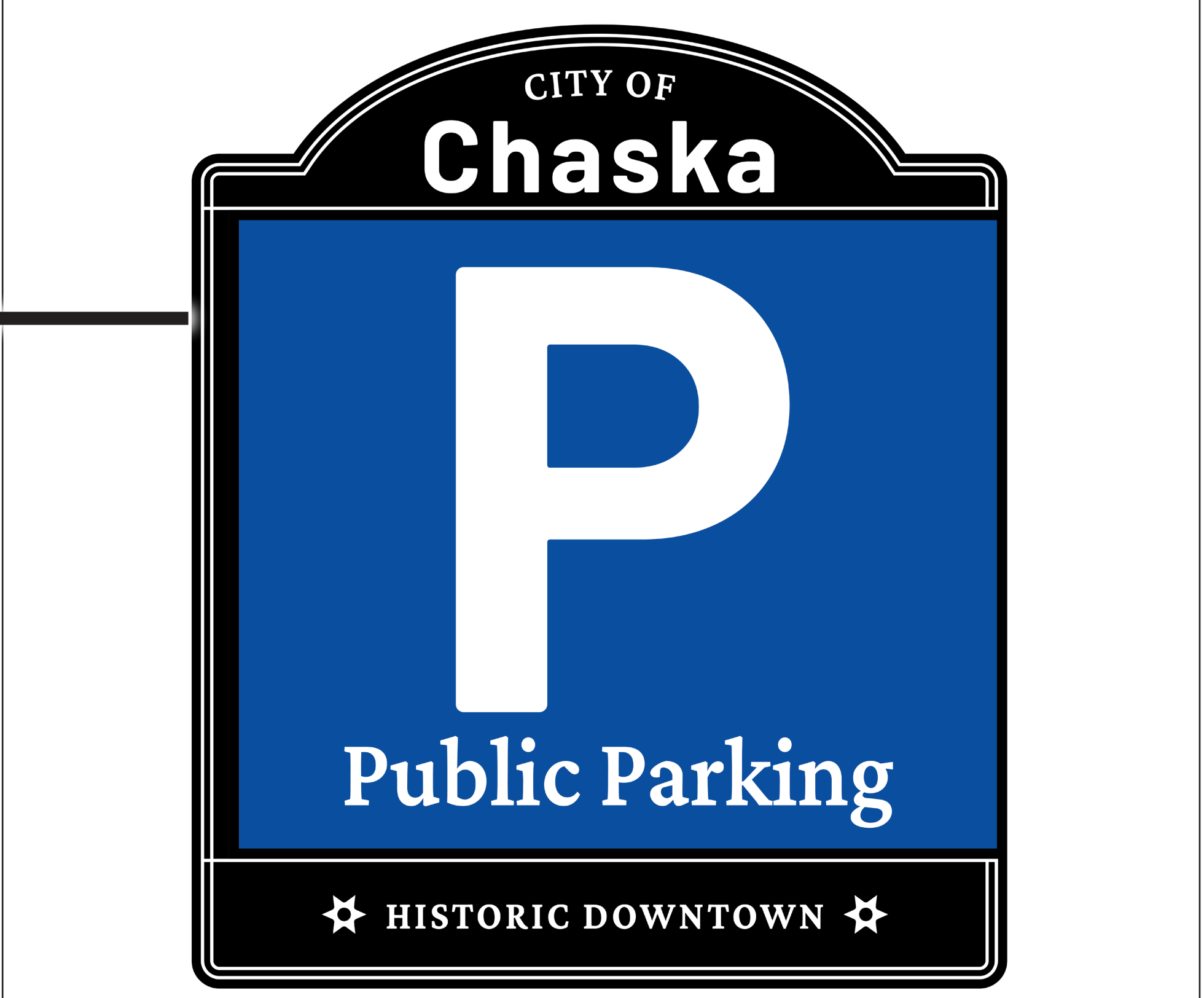
DIRECTIONAL SIGN



HERITAGE WALL/COLUMN PANELS



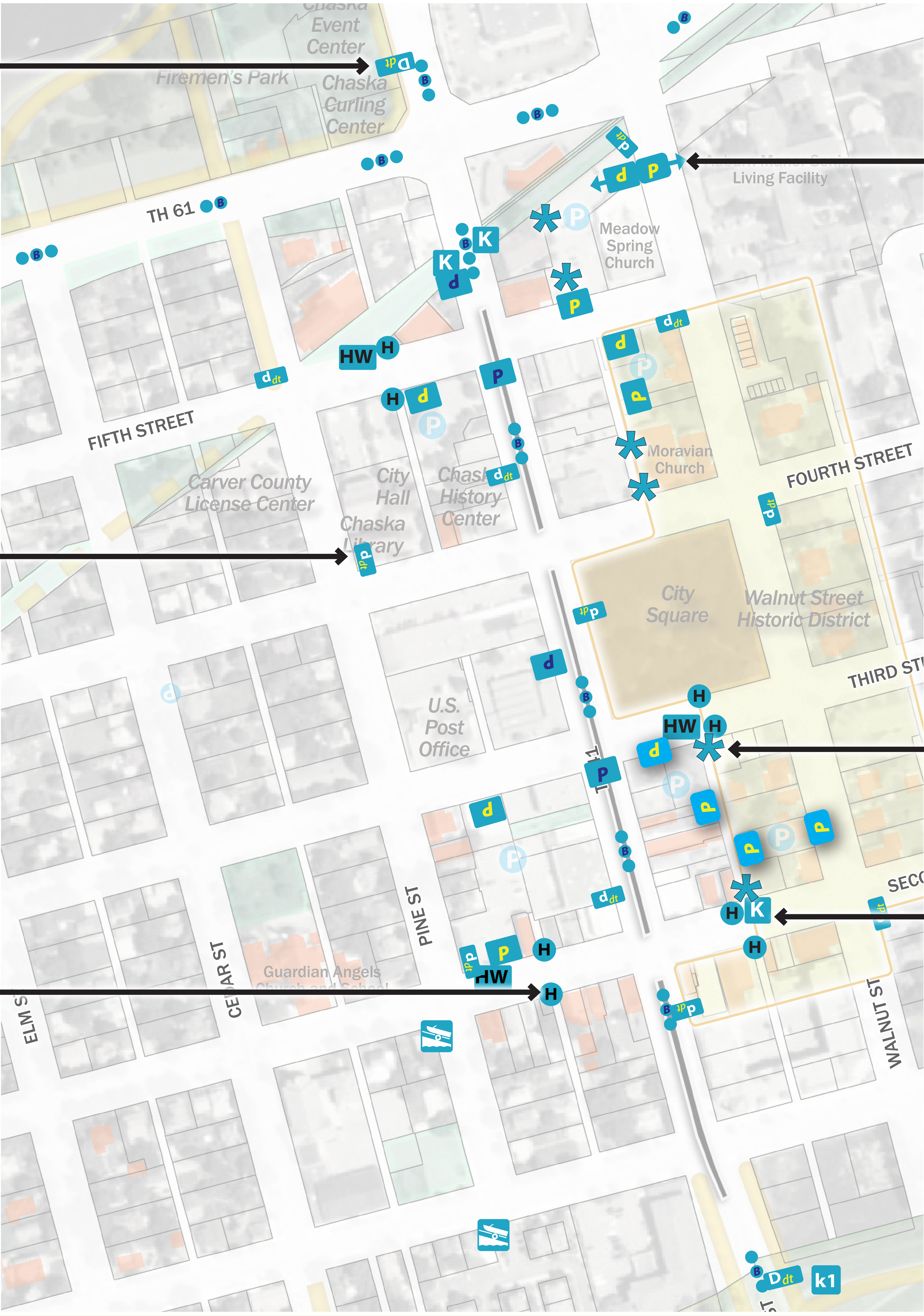
PARKING SIGN



PASEO ARCHWAY



HERITAGE KIOSK

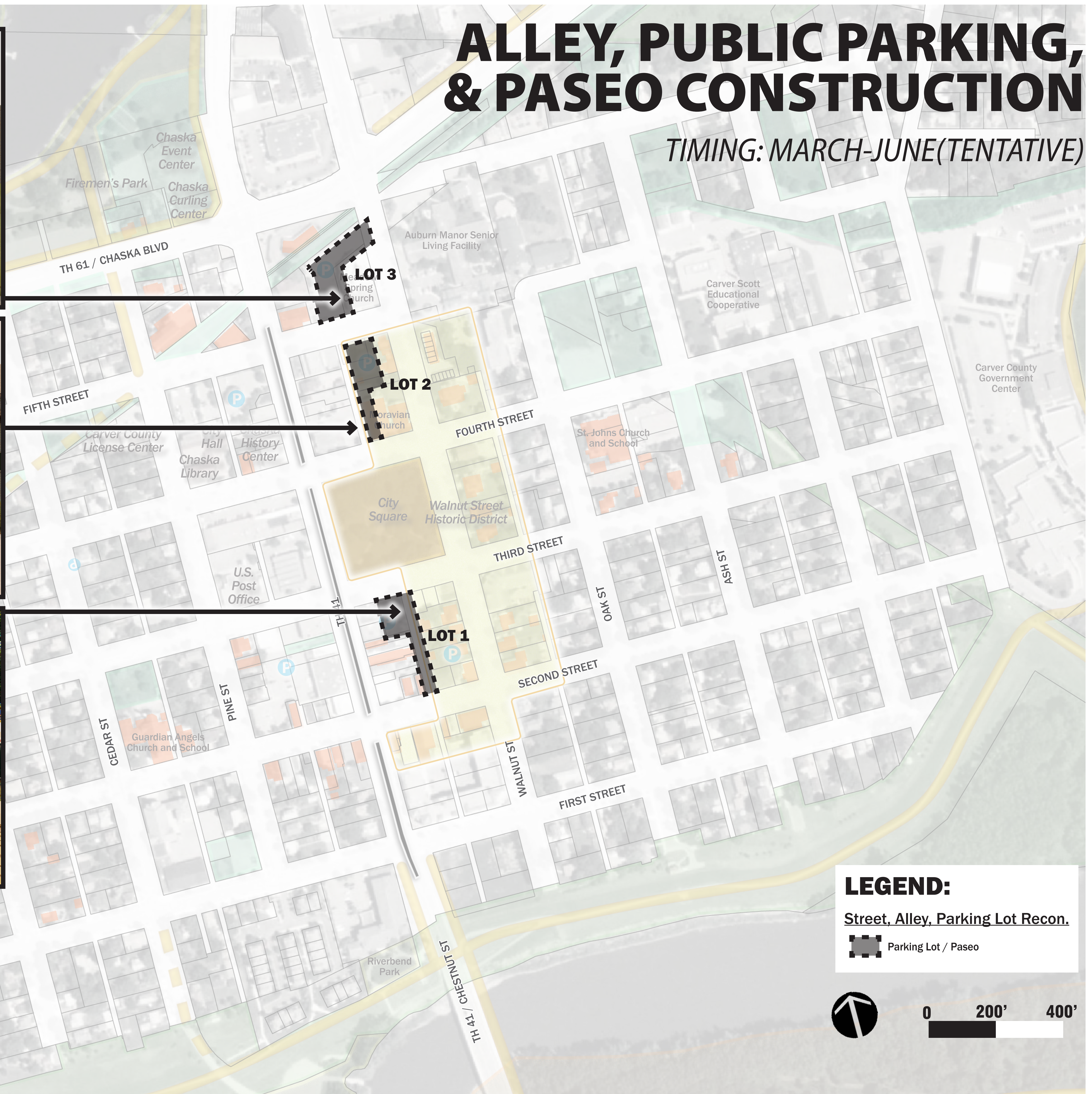


ALLEY, PUBLIC PARKING, & PASEO CONSTRUCTION



ALLEY, PUBLIC PARKING, & PASEO CONSTRUCTION

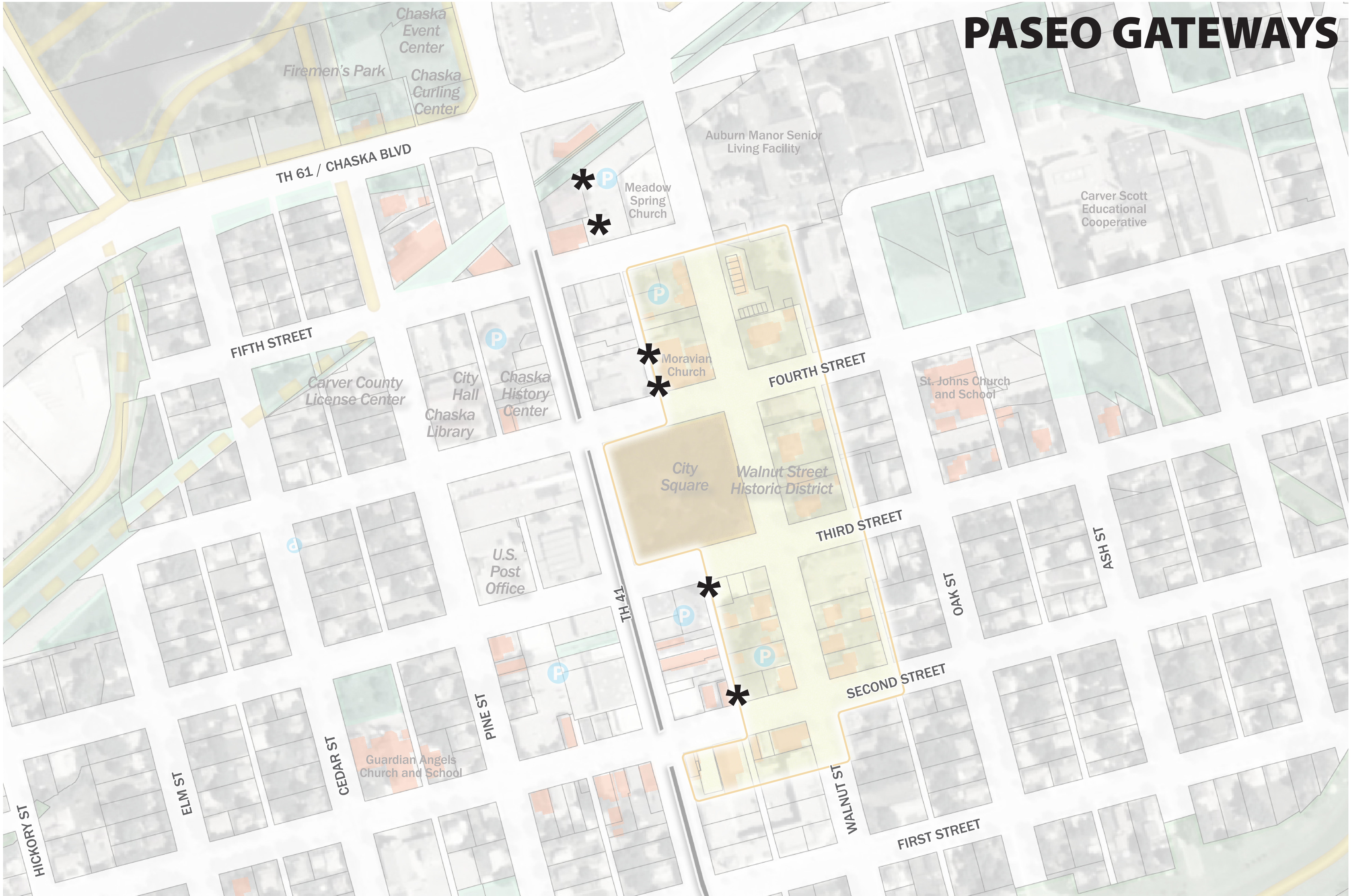
TIMING: MARCH-JUNE (TENTATIVE)



PASEO GATEWAYS



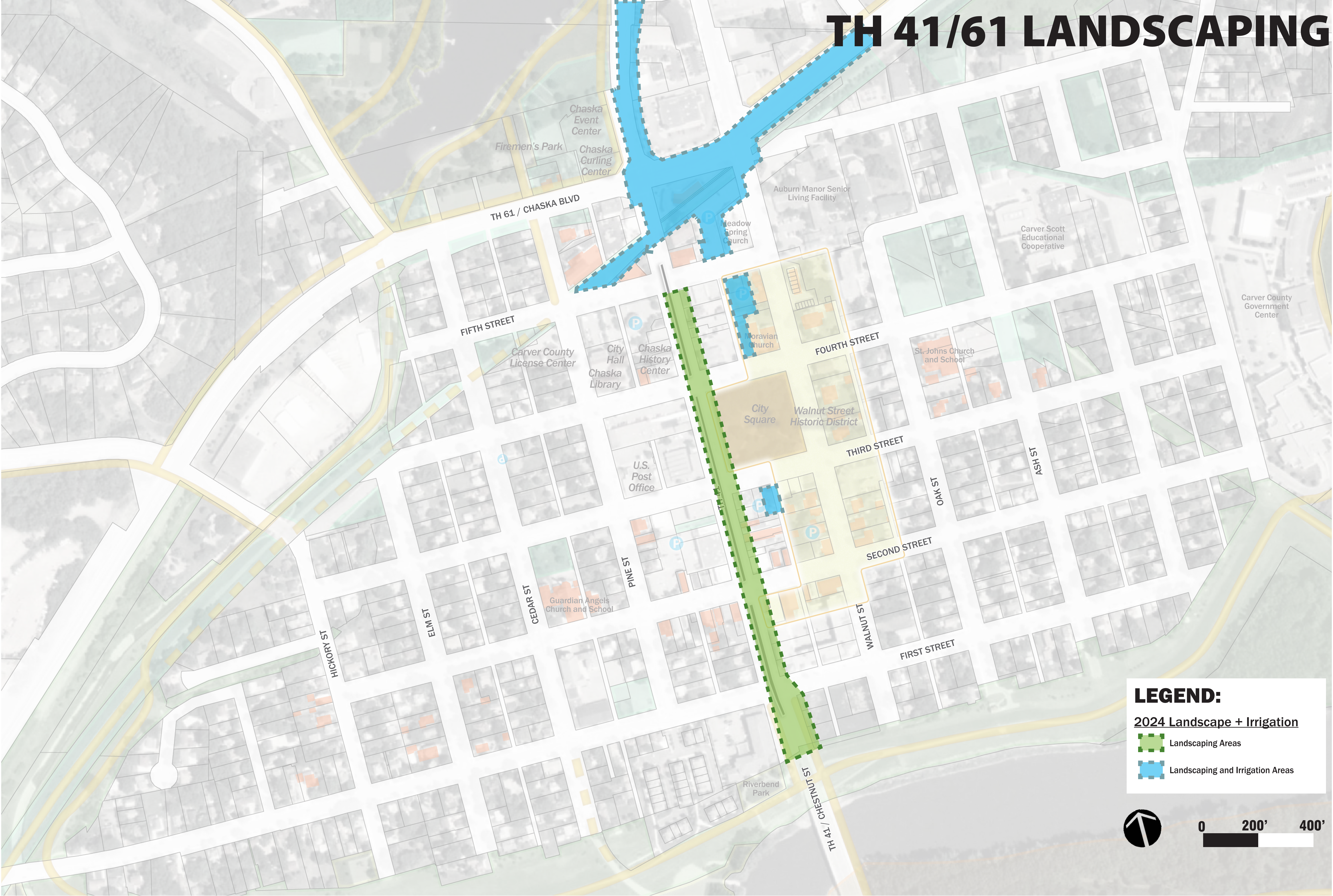
PASEO GATEWAYS



TH 41/61 LANDSCAPING



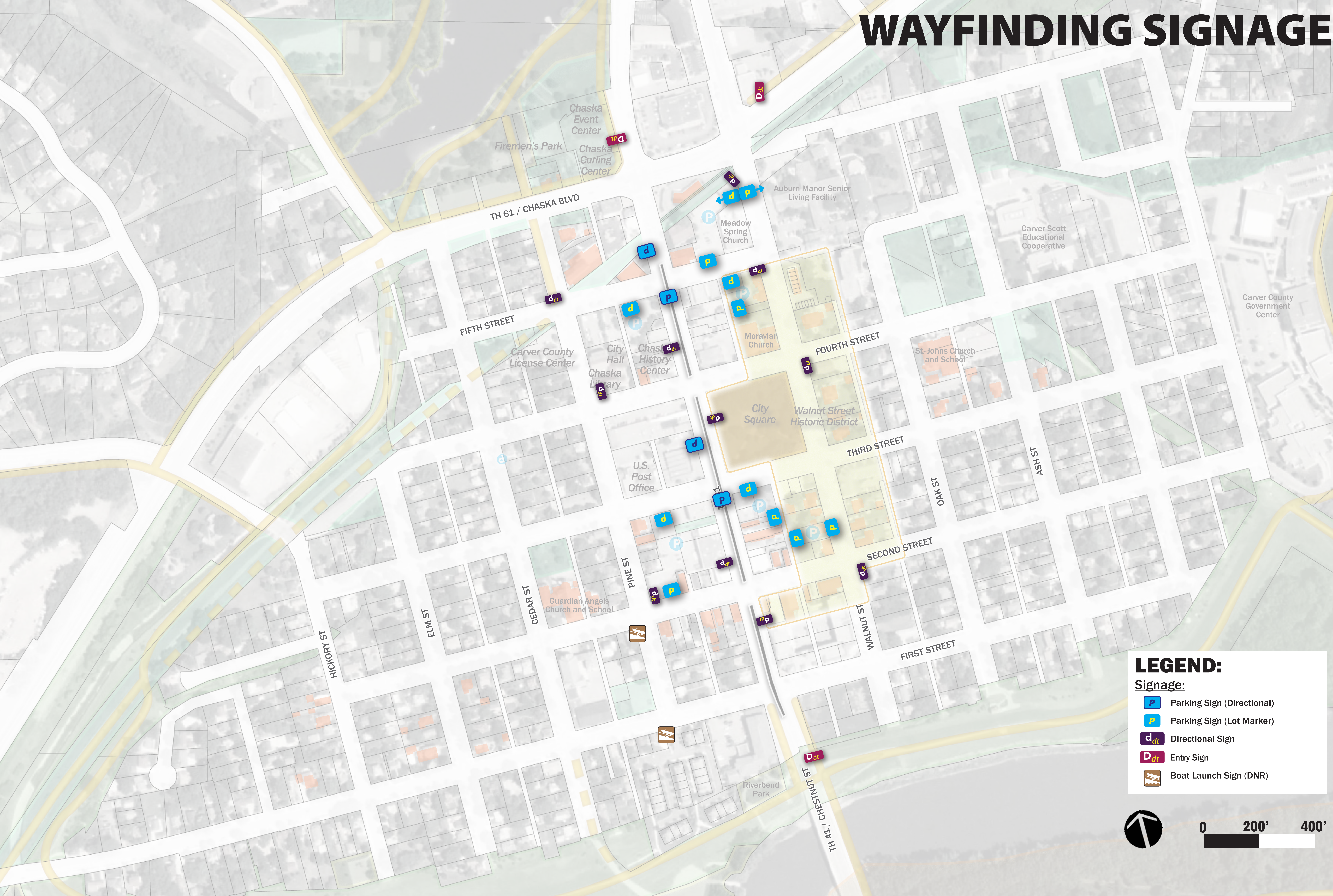
TH 41/61 LANDSCAPING



WAYFINDING SIGNAGE



WAYFINDING SIGNAGE



LEGEND:

Signage:

-  Parking Sign (Directional)
-  Parking Sign (Lot Marker)
-  Directional Sign
-  Entry Sign
-  Boat Launch Sign (DNR)





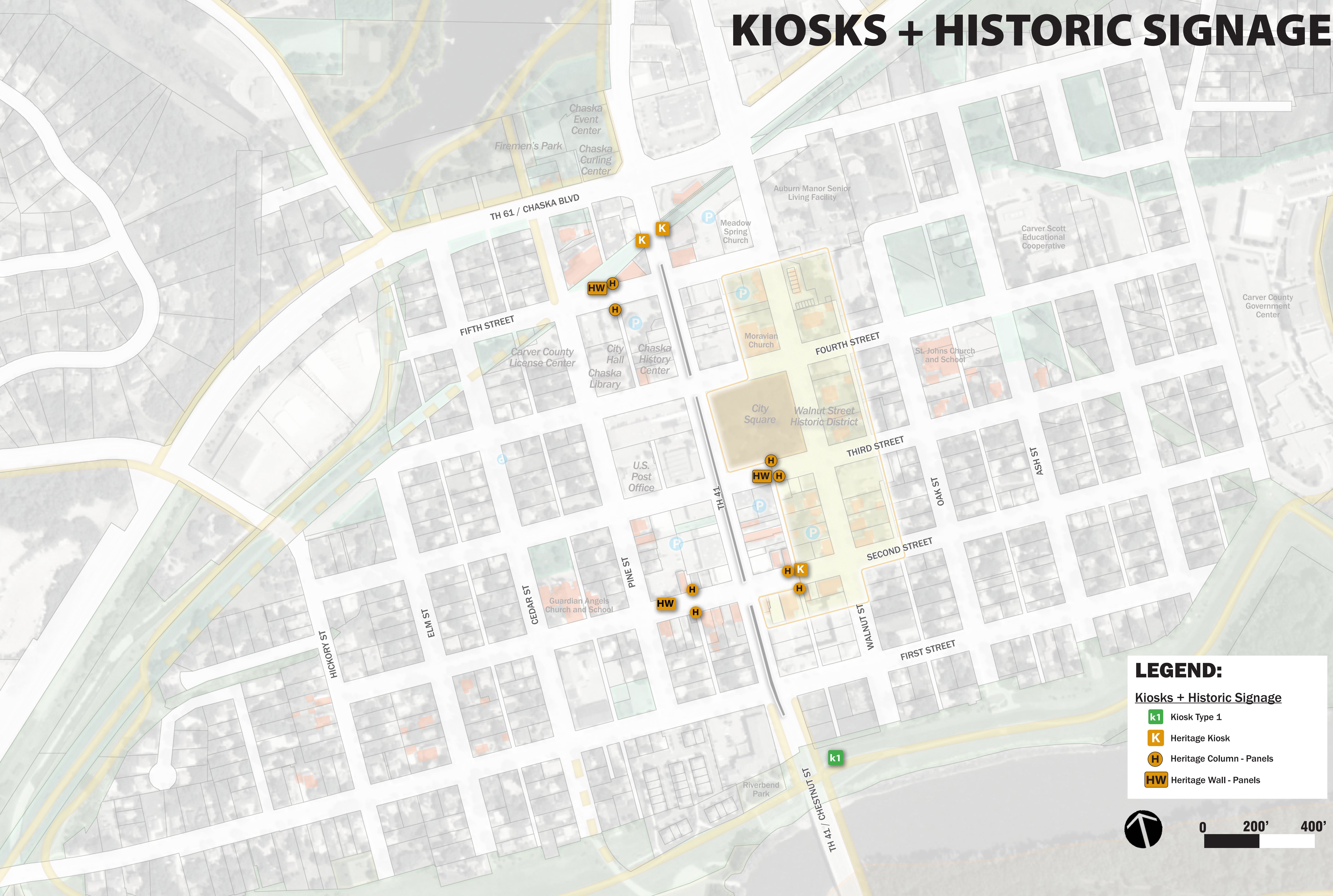
BANNERS



KIOSKS + HISTORIC SIGNAGE



KIOSKS + HISTORIC SIGNAGE

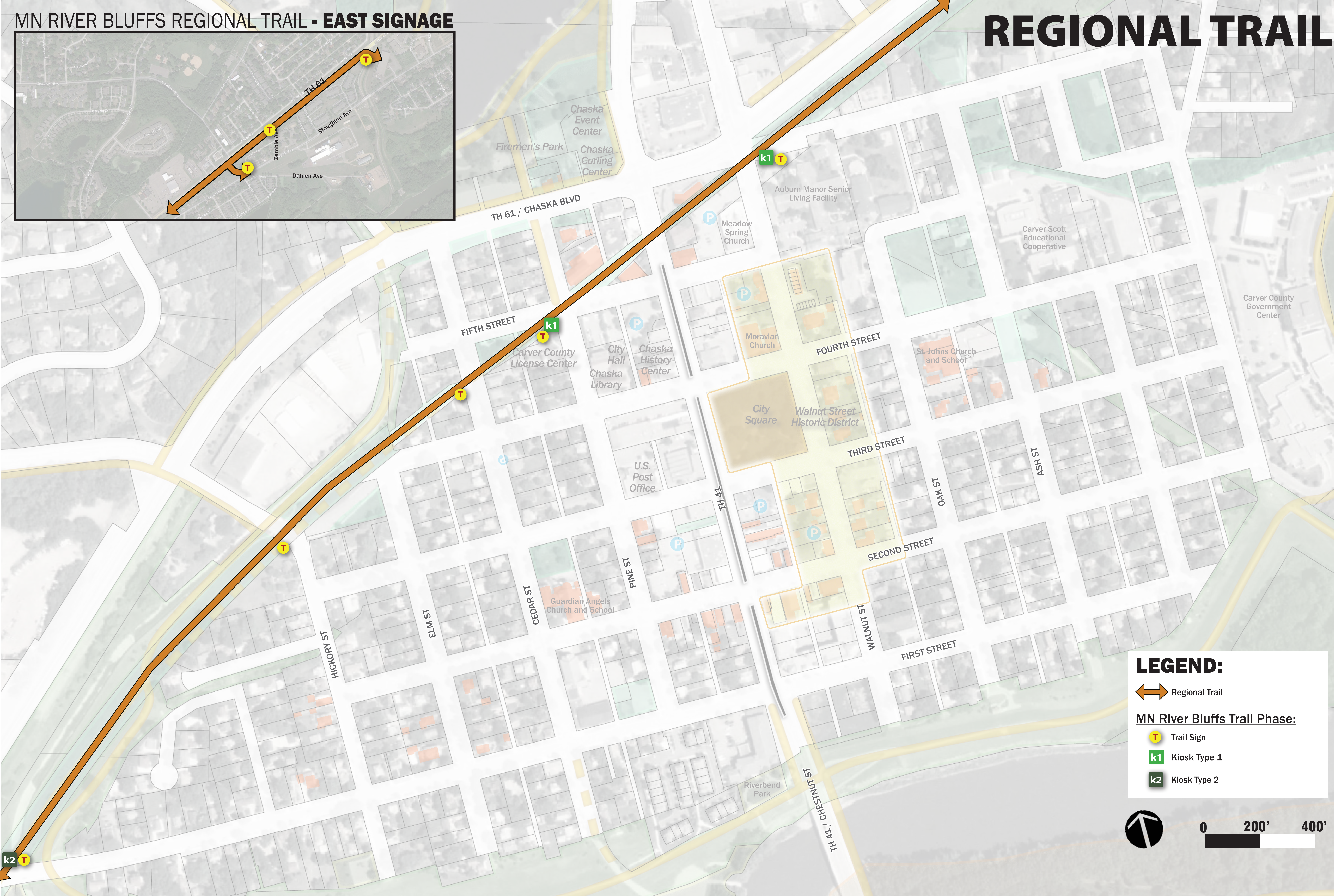


REGIONAL TRAIL



MN RIVER BLUFFS REGIONAL TRAIL - EAST SIGNAGE

REGIONAL TRAIL



LEGEND:

Regional Trail

MN River Bluffs Trail Phase:

- Trail Sign
- Kiosk Type 1
- Kiosk Type 2



2024 CHASKA DOWNTOWN PROJECT

COST SUMMARY

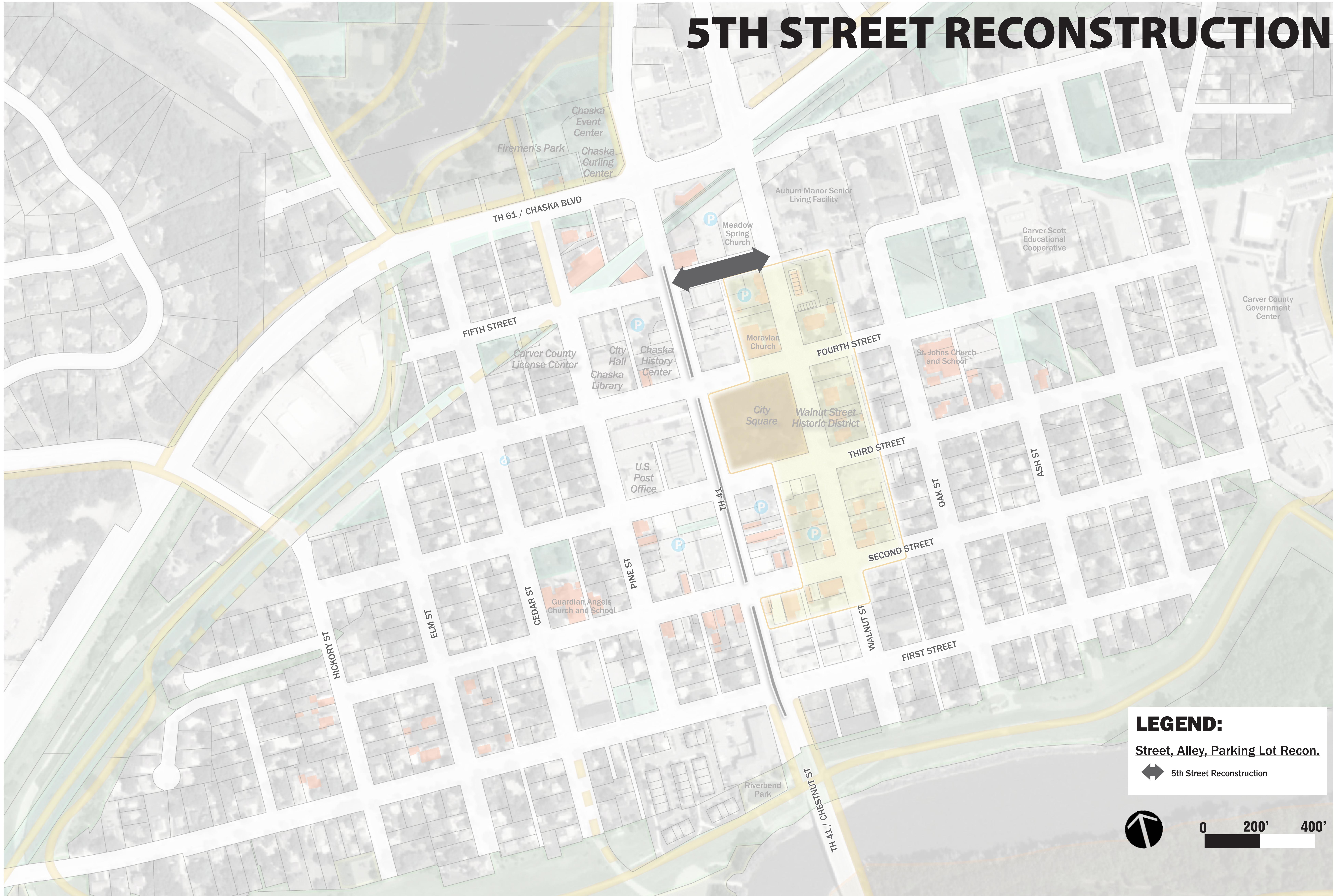
ITEM	STATUS	COST
2024 DOWNTOWN STREET PROJECT		
TH 41 LANDSCAPING (RIVER TO 5TH ST)	Complete	\$ 208,000
PASEO GATEWAYS	Bid March 2024	\$ 362,000
WAYFINDING SIGNAGE	Quote March 2024	\$ 167,000
KIOSKS + HERITAGE SIGNAGE	Quote March 2024	\$ 174,000
BANNERS	Direct Purchase 2024	\$ 68,000
IRRIGATION + LANDSCAPING	Bid March 2024	\$ 540,000
5TH STREET IMPROVEMENTS	Bid March 2024	\$ 398,000
LANDSCAPING & STREETSCAPING (REGIONAL TRAIL)	Bid April 2024	\$ 432,000
DESIGN, ENGINEERING, AND CONSTRUCTION ADMINISTRATION		\$ 252,000
SUBTOTAL AESTHETICS & STREETSCAPING		\$2,601,000.00
MN RIVER BLUFFS REGIONAL TRAIL		
TRAIL & BRIDGE	Bid April 2024	\$ 1,570,000
LANDSCAPING & STREETSCAPING	Bid April 2024	\$ 154,000
RIGHT OF WAY		\$ 225,000
DESIGN, ENGINEERING, AND CONSTRUCTION ADMINISTRATION		\$ 1,050,000
SUBTOTAL MN RIVER BLUFFS REGIONAL TRAIL		\$2,999,000.00
TOTAL ADDITIONAL DOWNTOWN IMPROVEMENTS		\$5,600,000.00

5TH STREET RECONSTRUCTION



●●● Banner Poles

5TH STREET RECONSTRUCTION

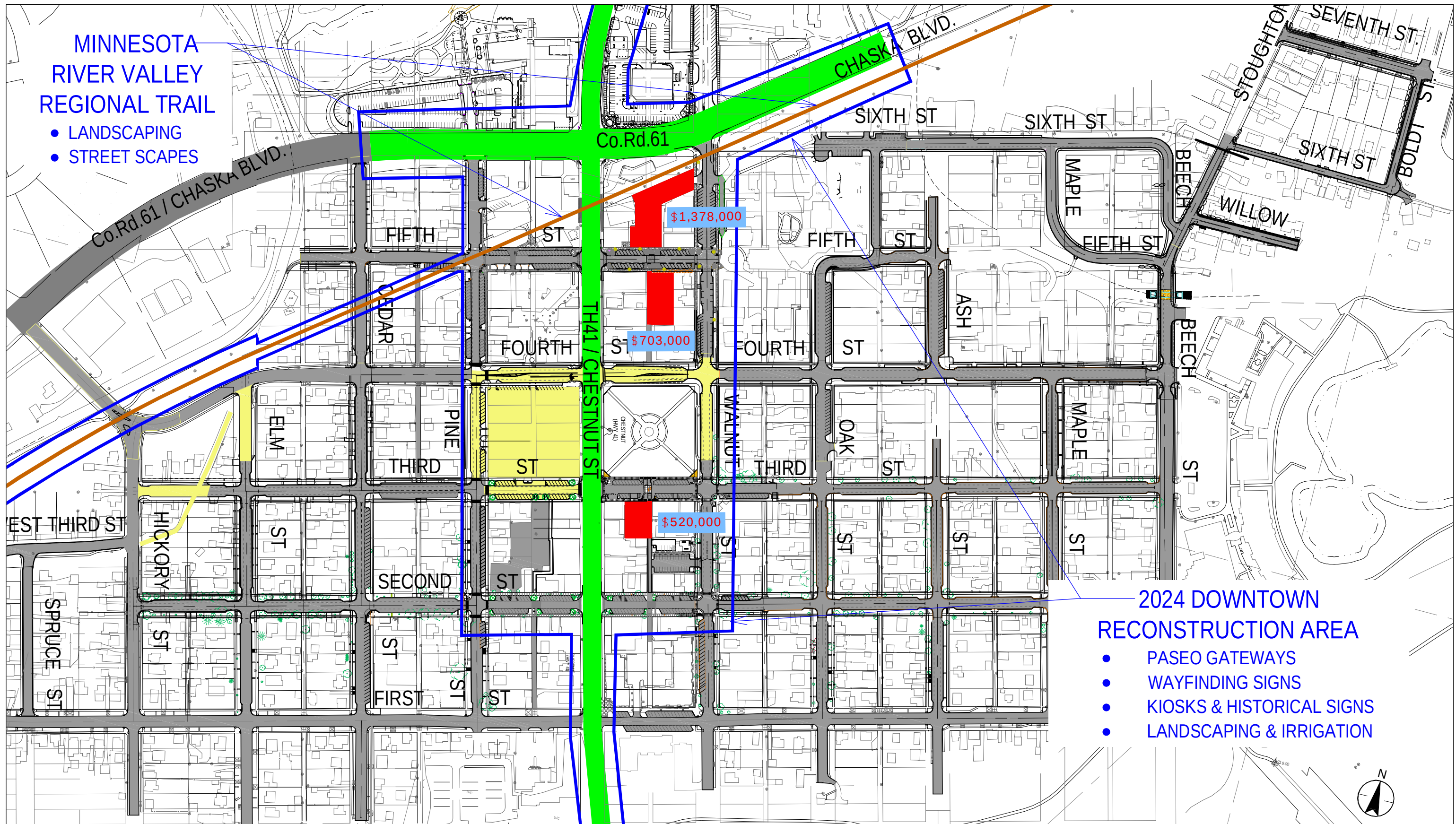


LEGEND:

Street, Alley, Parking Lot Recon.

↔ 5th Street Reconstruction





2024 DOWNTOWN CHASKA SPECIAL ASSESSMENTS EXHIBITS

CHASKA, MINNESOTA

2024 DOWNTOWN RECONSTRUCTION

Date: 2/22/2024

PROJ. NO.: 193806850

RECONSTRUCTED STREETS
FUTURE STREET RECONSTRUCTION

2024 DOWNTOWN RECONSTRUCTION
CITY OF CHASKA ASSESSMENT(S)

FIGURE A-1

\$2,601,000

Stantec
733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

REQUEST FOR ACTION CHASKA CITY COUNCIL 2/26/2024

Subject: Approve Plans & Specs and Authorize Bidding for Minnesota River Bluffs Regional Trail – Chaska Connection

Prepared By: Matthew Clark, City Engineer

The Minnesota River Bluffs Regional Trail Project plans to complete a two-mile segment of new Carver County trail facility that completes a gap in the overall network through downtown Chaska. The City was awarded \$1.68M in federal funds from the metropolitan council and is the agency leading the design and delivery. The project includes a 10-foot-wide paved trail with a new pedestrian bridge along with wayfinding, landscaping, and streetscape amenities to further support the downtown master plan and draft pedestrian and bicycle master plan. The regional trail will be located within property owned by the Carver County Regional Rail Authority while providing key connections to the local trail system. Staff has coordinated with Carver County, MnDOT and Federal Aide on the final design.

The federal grant funds received require the City's approval of the plan to initiate final state and federal review process. Final agency approvals are anticipated to occur in the spring with bids being received in May/June. The trail construction work is scheduled for mid-summer of 2024 through fall of 2024. To maintain the project schedule and to satisfy federal requirements for the project, trees that are being impacted will be removed in March. The project has secured the necessary easements and will be notifying the townhomes of the upcoming work in advance. Community engagement with those properties has been ongoing over the last year to inform those properties that abut the trail of the project plans.

This spring staff are planning a project open house for the broader community to learn more about the project. A project website has been created on the city's construction projects page <https://www.chaskamn.gov/454/Construction-Projects> that offers more information, and a way to sign up for updates.

The project requires a Joint Powers agreement between the City and Carver County for ownership, maintenance and cost participation. The total costs for the project are estimated at approximately \$3.0M. The agreement is being reviewed and prepared by Carver County and will be brought forward in March for the Council's consideration. To keep the project schedule the action staff recommends is for the Council to approve the construction plans and specifications and authorize the solicitation of bids for the Minnesota River Bluffs Regional Trail – Chaska Connection.

CITY COUNCIL ACTION REQUESTED

Motion to adopt Resolution No. 2024-15 to approve plans and specifications and authorize city staff to solicit bids for the Minnesota River Bluffs Regional Trail – Chaska Connection.

CITY OF CHASKA
CARVER COUNTY, MINNESOTA

RESOLUTION

DATE 2/26/2024 **RESOLUTION NO.** 2024-15

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**A Resolution Approving the Plans & Specifications and Authorizing Bids
for the Minnesota River Bluffs Regional Trail Plans**

WHEREAS, pursuant to City Council authorization, the City Engineer has prepared plans and specifications for Minnesota River Bluffs Regional Trail Project;

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Chaska, Minnesota, does hereby approve:

1. Such plans and specifications as prepared by Bolton & Menk, copies of which are attached hereto and made a part hereof;
2. The City Clerk shall prepare and cause to be published in the Chaska Herald an advertisement for bids upon the making of such improvements under such approved plans and specifications. Said bid process shall adhere to all provisions of State Statute.

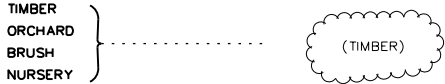
Passed and adopted by the City Council of the City of Chaska, Minnesota, this 26th day of February 2024.

Mark Windschitl, Mayor

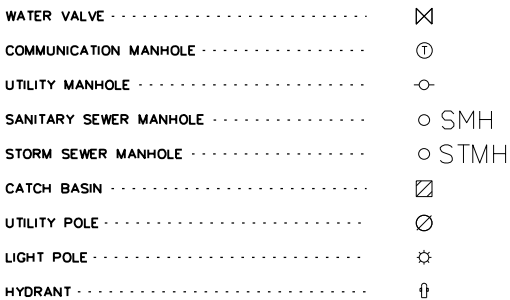
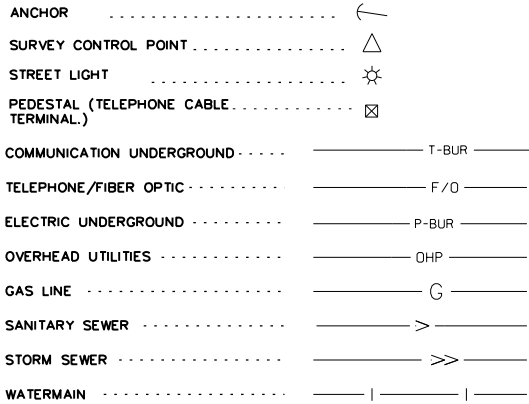
Attest: _____
Deputy Clerk

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2/19/2024
H:\CHKA\0T4130153\CAD\ORD\CHKA-0T4130153\plans\Misc\cdl30153_tsh.dgn

PLAN SYMBOLS



UTILITY SYMBOLS



MINNESOTA DEPARTMENT OF TRANSPORTATION
COUNTY OF CARVER ,CITY OF CHASKA

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS TRAIL ,SIDEWALK ,ADA IMPROVEMENTS
RETROFIT AND NEW TRUSS BRIDGE (BR.NO. R0986)

TRAIL 1
STATE AID PROJ.NO.196-690-002
GROSS LENGTH...2968.74...FEET 0.56...MILES
BRIDGES-LENGTH...77.25...FEET 0.01...MILES
EXCEPTIONS-LENGTH...FEET...MILES
NET LENGTH...2891.49...FEET 0.55...MILES

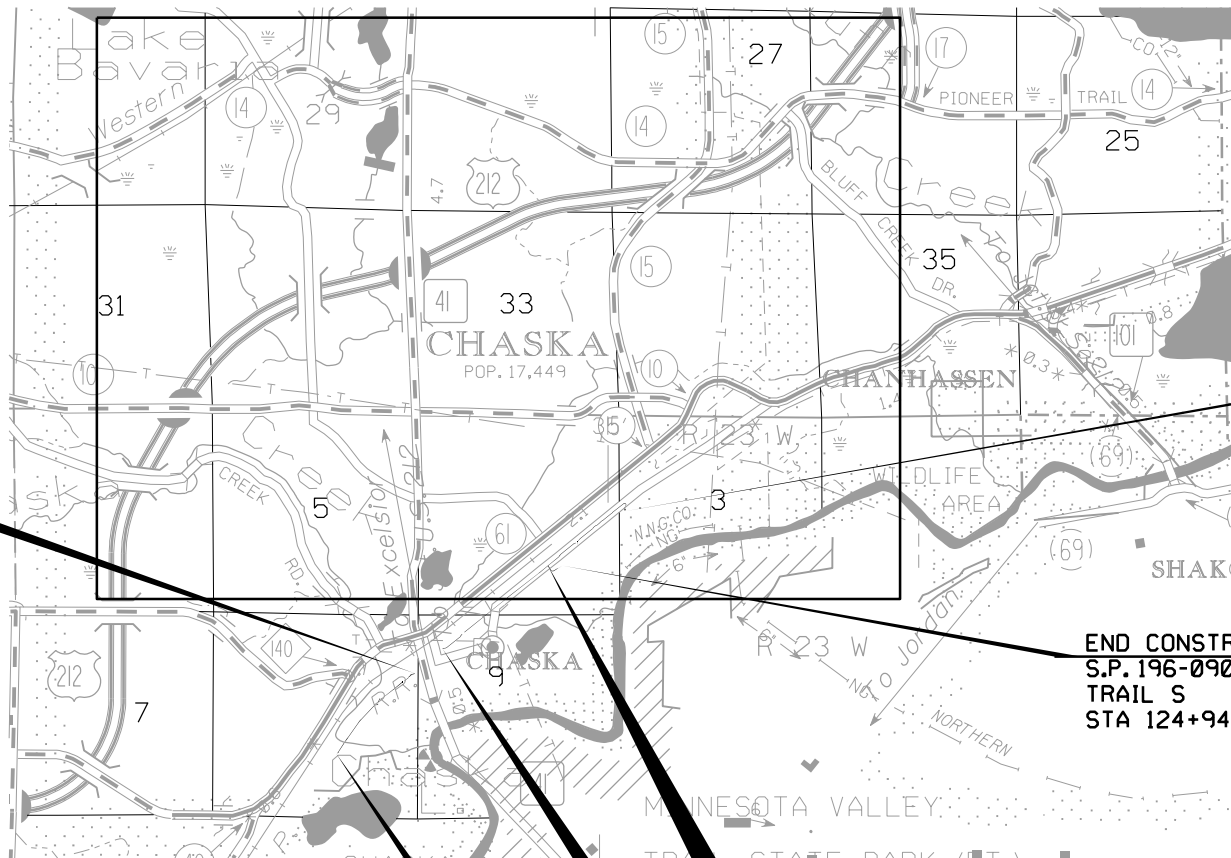
LOCATED WEST FIRST STREET & ENTRANCE OF CHASKA ATHLETIC PARK
TO NORTH PINE STREET & WEST 5TH STREET

TRAIL 2
STATE AID PROJ.NO.196-690-002
GROSS LENGTH...6311.38...FEET 1.20...MILES
BRIDGES-LENGTH...62.83...FEET 0.01...MILES
EXCEPTIONS-LENGTH...FEET...MILES
NET LENGTH...6248.55...FEET 1.19...MILES

LOCATED NORTH WALNUT STREET & SOUTH SIDE OF C.S.A.H. 61
TO SOUTH SIDE OF C.S.A.H. 61 AND EAST CHASKA CREEK

TRAIL S
STATE AID PROJ.NO.196-690-002
GROSS LENGTH...443.34...FEET 0.08...MILES
BRIDGES-LENGTH...FEET...MILES
EXCEPTIONS-LENGTH...FEET...MILES
NET LENGTH...443.34...FEET 0.08...MILES

LOCATED SOUTH SIDE OF C.S.A.H. 61 TO STOUGHTON AVENUE



END CONSTRUCTION
S.P. 196-090-002
TRAIL 1
STA 39+68.743

END CONSTRUCTION
S.P. 196-090-002
TRAIL 2
STA 113+11.380

END CONSTRUCTION
S.P. 196-090-002
TRAIL S
STA 124+94.33

BEGIN CONSTRUCTION
S.P. 196-090-002
TRAIL S
STA 120+00.000

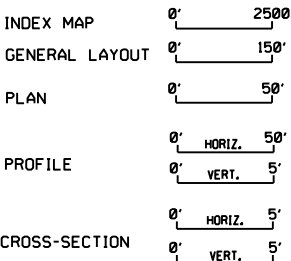
BEGIN CONSTRUCTION
S.P. 196-090-002
TRAIL 2
STA 50+00.000

BEGIN CONSTRUCTION
S.P. 196-090-002
TRAIL 1
STA 10+00.000

THE SUBSURFACE UTILITY INFORMATION IN
THIS PLAN IS UTILITY QUALITY LEVEL D.
THIS QUALITY LEVEL WAS DETERMINED
ACCORDING TO THE GUIDELINES OF
CIV/ASCE 38-2, ENTITLED "STANDARD
GUIDELINES FOR THE COLLECTION AND
DEPICTION OF EXISTING SUBSURFACE
UTILITY DATA."

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

90 % SUBMITTAL



TRAIL DESIGN DESIGNATION
BIKE TRAIL DESIGN SPEED: 20 MPH
BIKE TRAIL STOPPING SIGHT DISTANCE BASED ON:
HEIGHT OF EYE: 4.5' HEIGHT OF OBJECT: 0.0'
DOES NOT ACHIEVE @ INTERSECTIONS

FED. PROJ. NO. STATE FUNDS
GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD
SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED
SEPTEMBER 2022 SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE
"MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), INCLUDING
THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET NO.

INDEX

1	TITLE SHEET
2-3	STATEMENT OF ESTIMATED QUANTITIES
4	CONSTRUCTION NOTES
5-6	EARTHWORK TABULATION & SUMMARY
7-10	QUANTITY TABULATION
11	TYPICAL SECTIONS
12-32	STANDARD PLANS
33-39	EXISTING CONDITIONS & REMOVAL PLAN
40-53	CONSTRUCTION PLAN & PROFILE
54-56	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
57-63	TURF ESTABLISHMENT PLAN & EROSION CONTROL
64	STAGING & TRAFFIC CONTROL PLAN
L1-L8	TRAIL AMENITIES & LANDSCAPING PLAN
XSI-XS34	CROSS SECTIONS
B1-B13	BRIDGE PLANS

THIS PLAN CONTAINS 119 SHEETS



12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burns@bolton-menk.com
www.bolton-menk.com

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.

PRINT NAME: XXXX LICENSE # XXXX

DATE: XX-XX-XXXX SIGNATURE:

RECOMMENDED FOR APPROVAL CARVER COUNTY ENGINEER 20

RECOMMENDED FOR APPROVAL CITY OF CHASKA ENGINEER 20

STATE AID APPROVALS:

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

STATE AID ENGINEER:
APPROVED FOR STATE AID FUNDING:

S.P. 196-090-002

SHEET NO. 1 OF 64

bmi.tbl

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2/19/2024 5:53:07 PM

abby.williams
2/19/2024

TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	NOTES	UNIT	TOTAL ESTIMATED QUANTITY	S.P. 196-090-002 TRAIL & STORM	S.P. 196-090-002 BRIDGE	S.P. 196-090-002 LANDSCAPING	NON-PARTICIPATING CITY OF CHASKA
							QUANTITY	QUANTITY	QUANTITY	QUANTITY
		2021.501	MOBILIZATION		LUMP SUM	1	0.54	0.18	0.17	0.09
		2101.502	CLEARING		EACH	23	23			
		2101.502	GRUBBING		EACH	23	23			
		2101.505	CLEARING		ACRE	0.9	0.9			
		2101.505	GRUBBING		ACRE	0.9	0.9			
		2104.502	REMOVE PIPE APRON		EACH	1	1			
		2104.502	REMOVE DRAINAGE STRUCTURE		EACH	1	1			
		2104.502	REMOVE SIGN		EACH	14	14			
		2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	80	80			
		2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)		LIN FT	396	396			
		2104.503	REMOVE PIPE CULVERTS		LIN FT	9	9			
		2104.503	REMOVE SEWER PIPE (STORM)		LIN FT	75	75			
		2104.503	REMOVE CURB AND GUTTER		LIN FT	257	257			
		2104.504	REMOVE CONCRETE WALK		SQ YD	282	282			
		2104.504	REMOVE BITUMINOUS PAVEMENT		SQ YD	1131	1131			
		2104.601	REMOVE REGULATED WASTE MATERIAL (BRIDGE)		LUMP SUM	2	1	1		
		2106.507	EXCAVATION - COMMON		CU YD	2600	2600			
		2106.507	SELECT GRANULAR EMBANKMENT (CV)		CU YD	82		82		
		2106.507	COMMON EMBANKMENT (CV)		CU YD	1630	1630			
		2112.604	SUBGRADE PREPARATION		SQ YD	98		98		
		2211.507	AGGREGATE BASE (CV) CLASS 5		CU YD	1819	1813	6		
		2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)		TON	1837	1820	17		
		2401.507	STRUCTURAL CONCRETE (3B52)		CU YD	41		41		
		2401.508	REINFORCEMENT BARS (EPOXY COATED)		POUND	4100		4100		
		2401.601	STRUCTURE EXCAVATION		LUMP SUM	1		1		
		2402.601	PEDESTRIAN BRIDGE (REPORPUSE)		LUMP SUM	1	1			
		2402.601	PEDESTRIAN BRIDGE (SUPERSTRUCTURE)		LUMP SUM	1		1		
		2406.504	BRIDGE APPROACH PANELS		SQ YD	19		19		
		2411.618	PREFABRICATED MODULAR BLOCK WALL		SQ FT	1760	1760			
		2442.501	REMOVE EXISTING BRIDGE		LUMP SUM	2	1	1		
		2452.602	HELICAL PILING 10' LONG		EACH	12		12		
		2452.603	ADDITIONAL HELICAL PILING LENGTH		LIN FT	240		240		
		2475.503	PIPE RAILING		LIN FT	160	160			
		2502.501	DRAINAGE SYSTEM TYPE (B910)		LUMP SUM	1		1		
		2503.503	12" RC PIPE SEWER CLASS V		LIN FT	68	68			
		2503.503	15" RC PIPE SEWER CLASS V		LIN FT	68	68			
		2503.602	CONNECT TO EXISTING STORM SEWER		EACH	2	2			
		2506.502	CASTING ASSEMBLY		EACH	6	6			
		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H		LIN FT	8.9	8.9			
		2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020		LIN FT	13	13			
		2511.504	GEOTEXTILE FILTER TYPE 7		SQ YD	160		160		
		2511.507	RANDOM RIPRAP CLASS III		CU YD	85		85		
		2521.518	4" CONCRETE WALK		SQ FT	3308	3308			
		2521.518	6" CONCRETE WALK		SQ FT	156	156			
		2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)		EACH	100	100			
		2531.503	CONCRETE CURB AND GUTTER DESIGN B618		LIN FT	284	284			
		2531.618	TRUNCATED DOMES		SQ FT	164	164			



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REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	
ENGINEER SIGNATURE 1	
TIM LAMKIN, JR. LIC. NO. 47099	DATE XX-XX-XX

DESIGNED APW
DRAWN JMR
CHECKED THL

S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
STATEMENT OF ESTIMATED QUANITITES

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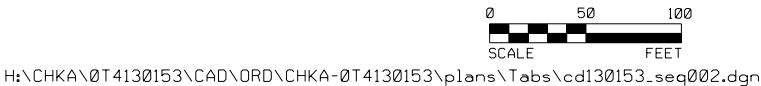
TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	NOTES	UNIT	TOTAL ESTIMATED QUANTITY	S.P. 196-090-002 TRAIL & STORM	S.P. 196-090-002 BRIDGE	S.P. 196-090-002 LANDSCAPING	NON-PARTICIPATING CITY OF CHASKA
		2540.601	TRAILHEAD (ATHLETIC PARK)		LUMP SUM	1				
		2540.601	TRAILHEAD (PINE STREET)		LUMP SUM	1				1
		2540.601	TRAILHEAD (WALNUT STREET)		LUMP SUM	1				1
		2540.602	INFORMATION SIGN SPECIAL		EACH	8				8
		2554.502	GUIDE POST TYPE B		EACH	2	2			
		2563.601	TRAFFIC CONTROL		LUMP SUM	1	0.54	0.18	0.17	0.09
		2564.502	OBJECT MARKER		EACH	8	8			
		2564.618	SIGN		SQ FT	136	136			
		2571.502	CONIFEROUS TREE 8' HT B&B		EACH	225			225	
		2571.502	DECIDUOUS TREE 2" CAL B&B		EACH	119			119	
		2571.502	ORNAMENTAL TREE 2" CAL B&B		EACH	5			5	
		2571.502	PERENNIAL 1 GAL CONT		EACH	30			30	
		2573.502	STORM DRAIN INLET PROTECTION		EACH	42	42			
		2573.502	CULVERT END CONTROLS		EACH	1	1			
		2573.503	SILT FENCE, TYPE MS		LIN FT	15803	15803			
		2574.505	SUBSOILING		ACRE	6.0	6.0			
		2574.505	SOIL BED PREPARATION		ACRE	6.0	6.0			
		2574.508	FERTILIZER TYPE 3		POUND	849	849			
		2574.508	FERTILIZER TYPE 4		POUND	1	1			
		2575.504	ROLLED EROSION PREVENTION CATEGORY 25		SQ YD	25	25			
		2575.505	SEEDING		ACRE	6.0	6.0			
		2575.505	MOWING		ACRE	8.0	8.0			
		2575.505	WEED SPRAYING		ACRE	2.1	2.1			
		2575.506	WEED SPRAY MIXTURE		GALLON	1.1	1.1			
		2575.508	SEED MIXTURE 25-131		POUND	931	931			
		2575.508	SEED MIXTURE 33-261		POUND	1	1			
		2575.508	HYDRAULIC STABILIZED FIBER MATRIX		POUND	16527	16527			
		2575.523	RAPID STABILIZATION METHOD 3		M GALLON	79	79			
		2575.618	SITE RESTORATION		EACH	8	8			
		2582.503	4" SOLID LINE MULTI-COMPONENT		LIN FT	980	980			
		2582.503	4" BROKEN LINE MULTI-COMPONENT		LIN FT	2125	2125			
		2582.518	CROSSWALK MULTI-COMPONENT GR IN (WR)		SQ FT	510	510			
		TOTAL								

- (A) SEE AGREEMENT NO. XXXXX WITH CITY OF XXXX
- (B) 100% STATE FUNDS
- (C) XX% FEDERAL/XX% STATE FUNDS
- (D) XX% FEDERAL/X% STATE/XX% CITY FUNDS

(P) DENOTES PLAN QUANTITY

NOTES:

- (1) WATER BLASTING METHOD SHALL BE USED TO REMOVE ANY TEMPORARY PAINTED PAVEMENT MARKINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER. COSTS FOR WATERBLASTING ARE INCIDENTAL.
- (2) SEE LIGHTING PLANS
- (3) SEE REMOVAL PLANS
- (4) USE AS DIRECTED BY AND IN THE PRESENCE OF THE ENGINEER. TO BE USED FOR MISCELLANEOUS DRAINAGE CONNECTIONS.
- (5) FOR DUST CONTROL



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MN RIVER BLUFFS REGIONAL TRAIL
STATEMENT OF ESTIMATED QUANITITES

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SOIL AND CONSTRUCTION NOTES:

1. PAVEMENT SUBGRADE PREPARATION AND EXCAVATION
- A. REMOVE VEGETATION, TOPSOIL, ORGANIC SOILS AND UNSTABLE SOILS FROM BELOW THE PROPOSED TRAIL AS DETAILED IN THE PLANS AND SPECIFIED IN MnDOT 2106.

B. THE MINIMUM REQUIRED DEPTH OF SLOPE DRESSING FOR ALL DISTURBED AND OR CONSTRUCTED TURF AREAS UPON COMPLETION OF CONSTRUCTION SHALL BE 6 INCHES, EXCEPT AS OTHERWISE AUTHORIZED BY ENGINEER. UP TO 4' OF ADDITIONAL EXCAVATION OF ORGANIC MATERIAL IS DETAILED BETWEEN STA 36+50 TO STA 37+50 AND STA 81+50 TO STA 82+50. EXCAVATION IS INCLUDED IN 2106.507 EXCAVATION-COMMON. ANY ADDITIONAL EXCAVATION MUST BE APPROVED BY THE ENGINEER PRIOR TO WORK.

C. SHAPE, MIX AND COMPACT THE SUBGRADE PER THE PROVISIONS OF MnDOT 2112 SUBGRADE PREPARATION.

D. EXISTING RAILROAD BALLAST IS ASSUMED TO BE PRESENT UNDER THE NEW TRAIL ALIGNMENT. BALLAST MAY BE LEFT IN PLACE IF APPROVED BY THE ENGINEER.

E. CONSTRUCT EMBANKMENT PER MnDOT 2106. COMPACT BACKFILL AND FILL PER SPECIFIED DENSITY METHOD AS DESCRIBED IN MnDOT 2106.2.B.1.

F. TEST ROLL THE SUBGRADE PRIOR TO PLACEMENT OF AGGREGATE BASE (CV) CLASS 5 PER MnDOT 2111.

G. AREAS OF COORRECTION WILL BE REVIEWED BY THE ENGINEER. 2106.509 STABILIZING AGGREGATE AND 2108.504 GEOTEXTILE FABRIC TYPE 7 IS TO BE USED ONLY AS APPROVED BY THE ENGINEER.
2. NO EXTRA PAYMENT WILL BE MADE FOR STOCKPILING CONSTRUCTION MATERIAL OR RECYCLED MATERIAL.
3. ALL DISTURBED ROADWAY/TRAIL MATERIALS SUCH AS CONCRETE, BITUMINOUS, AND AGGREGATES MAY BE UTILIZED ACCORDING TO MnDOT SPECIFICATIONS AND PROJECT SPECIAL PROVISIONS. MATERIALS NOT UTILIZED ON THIS PROJECT WILL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OFF THE RIGHT OF WAY IN ACCORDANCE WITH MnDOT SPECIFICATION 2104 AND AS AGREED UPON BY ENGINEER.
4. THE CONTRACTOR IS RESPONSIBLE FOR GOPHER STATE ONE CALL COORDINATION THROUGHOUT THE CONSTRUCTION DURATION OF THE PROJECT.
5. SUITABLE GRADING MATERIAL (COMMON EMBANKMENT) ON THIS PROJECT SHALL CONSIST OF ALL SOILS ENCOUNTERED WITH THE EXCEPTION OF TOPSOIL, DEBRIS, ORGANIC MATERIAL, AND OTHER UNSTABLE EXCAVATION MATERIAL. EXISTING AGGREGATE AND TOPSOIL SHALL BE SALVAGED AND REUSED ON THE PROJECT WHERE POSSIBLE. SEE MnDOT SPECIFICATION 2106.
6. IF THE CONTRACTOR DETERMINES EXISTING TOPSOIL IS NOT SUFFICIENT OR SUITABLE FOR REPLACEMENT, THEY MUST MAKE THIS KNOWN TO THE OWNER BEFORE ANY MATERIAL IS REMOVED FROM THE SITE OR RISK NOT BEING PAID FOR ANY REPLACEMENT TOPSOIL HAULED IN. ALL TOPSOIL PROPOSED FOR USE, WHETHER AVAILABLE FROM THE SITE OR IMPORTED, SHALL MEET THE REQUIREMENTS OF MNDOT SPEC 3877.2. THE CONTRACTOR SHALL PRESERVE AVAILABLE ON SITE TOPSOIL TO THE GREATEST EXTENT POSSIBLE, WHICH SHALL BE INCLUDED IN 2106.507 EXCAVATION-COMMON. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE APPROVED AT THE DISCRETION OF THE ENGINEER ON SITE.

STANDARD PLATES	
PLATE NO.	DESCRIPTION
3000M	REINFORCED CONCRETE PIPE (6 SHEETS)
3006H	GASKET JOINT FOR R.C. PIPE (2 SHEETS)
3007F	SHEAR REINFORCEMENT FOR PRECAST DRAINAGE STRUCTURES
4006L	MANHOLE OR CATCH BASIN PRECAST - DESIGNS G AND H
4010I	CONCRETE ADJUSTING RINGS
4011E	PRECAST CONCRETE BASE
4020J	MANHOLE OR CATCH BASIN (FOR USE WITH OR WITHOUT TRAFFIC LOADS) (2 SHEETS)
4101D	RING CASTING FOR MANHOLE OR CATCH BASIN
4110F	COVER CASTING FOR MANHOLE (FOR USE IN ALL TRAFFIC AREAS) 7'13/32 CASTING NO. 715 AND 716
4143E	STOOL GRATE & CONCRETE FRAME (MEDIAN DRAINS) - CASTING NO. 731
4180J	MANHOLE OR CATCH BASIN STEP
7100H	CONCRETE CURB AND GUTTER (DESIGN B AND DESIGN V)

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EARTHWORK		A
STATION	EXCAVATION - COMMON (P) (2)	COMMON EMBANKMENT (CV) (P) (1)
	CU YD	CU YD
S.P. 196-090-002 - TRAIL 1		
10+00.00	4.03	0.34
10+50.00	10.30	4.45
11+00.00	3.33	14.20
11+50.00	4.94	14.75
12+00.00	3.57	24.29
12+50.00	1.76	40.23
13+00.00	4.46	32.11
13+50.00	9.84	19.40
14+00.00	10.72	15.11
14+50.00	9.66	9.24
15+00.00	16.00	4.04
15+50.00	20.81	3.48
16+00.00	21.70	2.64
16+50.00	31.66	5.52
17+00.00	37.97	6.46
17+50.00	27.74	4.54
18+00.00	16.94	5.41
18+50.00	8.73	15.67
19+00.00	3.34	20.86
19+50.00	8.73	14.24
20+00.00	13.76	6.30
20+50.00	14.40	3.03
21+00.00	15.57	5.26
21+50.00	18.68	6.84
22+00.00	21.50	8.06
22+50.00	19.29	9.51
23+00.00	16.74	12.06
23+50.00	15.71	10.71
24+00.00	16.96	7.16
24+50.00	17.46	6.30
25+00.00	16.47	5.99
25+50.00	19.47	4.40
26+00.00	23.07	3.71
26+50.00	12.98	2.74
27+00.00	43.78	11.71
27+50.00	11.87	3.31
28+00.00	9.52	5.18
28+50.00	4.46	9.04
29+00.00	4.33	10.09
29+50.00	7.77	9.14
30+00.00	7.83	8.54
30+50.00	4.68	7.65
31+00.00	6.38	7.27
31+50.00	5.10	233.22
32+00.00	13.66	235.73
32+50.00	18.99	8.63
33+00.00	10.34	9.40
33+50.00	10.18	8.87
34+00.00	12.78	2.77
34+50.00	12.51	2.01
35+00.00	26.40	4.69
35+50.00	21.06	3.50
36+00.00	13.93	1.50
36+50.00	20.40	2.69
37+00.00	14.19	2.28

EARTHWORK		A
STATION	EXCAVATION - COMMON (P) (2)	COMMON EMBANKMENT (CV) (P) (1)
	CU YD	CU YD
S.P. 196-090-002 - TRAIL 1		
37+50.00	10.47	4.45
38+00.00	12.05	4.49
38+50.00	18.27	2.91
39+00.00	18.32	2.43
39+50.00	4.23	0.38
TOTAL	850	960

- (1) TOPSOIL STRIP IS INCLUDED IN THE EXCAVATION.
(2) COMMON EMBANKMENT INCLUDES 6" MIN. DEPTH OF TOPSOIL.

EARTHWORK		A
STATION	EXCAVATION - COMMON (P) (2)	COMMON EMBANKMENT (CV) (P) (1)
	CU YD	CU YD
S.P. 196-090-002 - TRAIL S		
120+20.00	1.71	8.57
120+50.00	7.95	10.12
121+00.00	13.68	4.11
121+50.00	7.17	13.71
122+00.00	1.81	22.60
122+50.00	3.85	17.09
123+00.00	4.14	9.67
123+50.00	7.37	2.93
124+00.00	11.29	0.57
124+50.00	9.35	0.78
TOTAL	70	100

- (1) TOPSOIL STRIP IS INCLUDED IN THE EXCAVATION.
(2) COMMON EMBANKMENT INCLUDES 6" MIN. DEPTH OF TOPSOIL.

EARTHWORK SUMMARY							A
STATION TO STATION			LOCATION	2106			NOTES
				SELECT GRANULAR EMBANKMENT (CV)	EXCAVATION - COMMON (P) (1)	COMMON EMBANKMENT (CV) (P) (2)	
				CU YD	CU YD	CU YD	
MN RIVER BLUFFS TRAIL: S.P. 196-090-002							
10+34.87	TO	39+70.31	RT/LT		850	960	
50+00.00	TO	113+06.41	RT/LT		1760	2090	
120+20.00	TO	124+86.56	RT/LT		70	100	
SUBTOTALS					2680	3150	
TOTALS					2680	3150	

- (1) TOPSOIL STRIP IS INCLUDED IN THE EXCAVATION - COMMON QUANTITY.
(2) COMMON EMBANKMENT INCLUDES 6" MIN. DEPTH OF TOPSOIL.



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MN RIVER BLUFFS REGIONAL TRAIL	
EARTHWORK TABULATION & SUMMARY	

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EARTHWORK		A
STATION	EXCAVATION - COMMON (P) (2)	COMMON EMBANKMENT (CV) (P) (1)
	CU YD	CU YD
S.P. 196-090-002 - TRAIL 2		
50+00.00	12.94	5.15
50+50.00	12.20	6.66
51+00.00	20.37	6.80
51+50.00	24.03	5.39
52+00.00	18.39	7.18
52+50.00	20.90	7.18
53+00.00	26.40	6.88
53+50.00	23.63	13.91
54+00.00	16.23	15.72
54+50.00	11.50	23.02
55+00.00	7.69	54.59
55+50.00	2.32	56.66
56+00.00	7.70	21.06
56+50.00	6.67	236.95
57+00.00	8.86	235.59
57+50.00	17.11	4.57
58+00.00	21.74	3.90
58+50.00	22.18	2.49
59+00.00	16.74	3.11
59+50.00	15.28	3.46
60+00.00	15.36	4.12
60+50.00	17.95	2.85
61+00.00	19.54	1.25
61+50.00	18.11	1.68
62+00.00	15.23	3.25
62+50.00	15.19	2.75
63+00.00	15.39	5.35
63+50.00	8.59	8.37
64+00.00	4.02	10.52
64+50.00	3.20	22.58
65+00.00	1.69	34.64
65+50.00	1.68	40.65
66+00.00	2.41	44.72
66+50.00	2.66	37.58
67+00.00	2.71	34.67
67+50.00	3.27	42.00
68+00.00	4.04	38.00
68+50.00	2.87	30.26
69+00.00	3.04	24.35
69+50.00	6.61	16.41
70+00.00	11.50	10.67
70+50.00	12.94	8.98
71+00.00	10.73	12.72
71+50.00	6.36	19.53
72+00.00	4.68	19.35
72+50.00	8.70	13.36
73+00.00	8.94	10.15
73+50.00	6.48	12.78
74+00.00	6.72	15.63
74+50.00	8.16	15.02
75+00.00	10.10	11.48
75+50.00	11.46	9.09
76+00.00	11.13	9.10
76+50.00	13.02	8.36
77+00.00	17.24	5.02

EARTHWORK		A
STATION	EXCAVATION - COMMON (P) (2)	COMMON EMBANKMENT (CV) (P) (1)
	CU YD	CU YD
S.P. 196-090-002 - TRAIL 2		
77+50.00	15.97	3.04
78+00.00	14.17	3.50
78+50.00	14.08	3.53
79+00.00	10.71	2.25
79+50.00	8.65	2.47
80+00.00	9.08	4.17
80+50.00	6.73	7.53
81+00.00	3.40	12.76
81+50.00	4.47	10.91
82+00.00	4.66	10.51
82+50.00	3.29	13.16
83+00.00	4.39	10.38
83+50.00	6.09	7.02
84+00.00	5.84	6.39
84+50.00	8.18	23.63
85+00.00	8.74	21.53
85+50.00	6.68	4.97
86+00.00	6.85	8.28
86+50.00	6.02	10.17
87+00.00	10.47	6.29
87+50.00	18.92	2.21
88+00.00	20.93	4.38
88+50.00	13.69	4.13
89+00.00	5.33	11.97
89+50.00	5.48	16.71
90+00.00	5.75	15.00
90+50.00	3.22	20.72
91+00.00	3.73	19.08
91+50.00	6.29	11.79
92+00.00	6.47	9.06
92+50.00	3.54	15.37
93+00.00	3.24	18.99
93+50.00	3.55	17.49
94+00.00	4.81	12.10
94+50.00	4.74	16.93
95+00.00	9.53	14.30
95+50.00	15.65	0.39
96+00.00	10.77	2.39
96+50.00	7.16	5.22
97+00.00	8.10	6.79
97+50.00	6.13	6.77
98+00.00	3.83	5.98
98+50.00	5.46	5.97
99+00.00	9.79	5.74
99+50.00	13.43	4.84
100+00.00	12.74	4.48
100+50.00	11.81	3.86
101+00.00	13.43	1.83
101+50.00	12.52	1.93
102+00.00	15.55	3.02
102+50.00	15.06	1.82
103+00.00	10.00	2.97
103+50.00	12.20	4.00
104+00.00	14.73	2.54
104+50.00	12.86	2.21

EARTHWORK		A
STATION	EXCAVATION - COMMON (P) (2)	COMMON EMBANKMENT (CV) (P) (1)
	CU YD	CU YD
S.P. 196-090-002 - TRAIL 2		
105+00.00	10.13	3.44
105+50.00	9.61	5.15
106+00.00	7.83	5.10
106+50.00	7.19	6.31
107+00.00	13.08	10.38
107+50.00	10.06	16.84
108+00.00	15.93	15.99
108+50.00	29.18	19.53
109+00.00	23.12	27.33
109+50.00	37.14	29.42
110+00.00	52.69	37.53
110+50.00	36.84	38.65
111+00.00	21.67	21.67
111+50.00	60.07	25.32
112+00.00	177.93	40.95
112+50.00	132.14	22.02
TOTAL	1760	2090

- (1) TOPSOIL STRIP IS INCLUDED IN THE EXCAVATION.
(2) COMMON EMBANKMENT INCLUDES 6" MIN. DEPTH OF TOPSOIL.



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TIM LAMKIN, JR. LIC. NO. 47099	DATE XX-XX-XX

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DRAWN JMR
CHECKED THL

S.P. 196-090-002	
MN RIVER BLUFFS REGIONAL TRAIL	
EARTHWORK TABULATION & SUMMARY	

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GRUBBING					A
STATION			LOCATION	2101	
				CLEARING	GRUBBING
				EACH	ACRE
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)					
10+00	TO	27+25	RT/LT		
27+25	TO	39+68	RT/LT	10	0.11
50+00	TO	85+12	RT/LT	2	0.04
85+12	TO	113+11	RT/LT	11	0.63
SUBTOTALS				23	0.78
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)					
120+00	TO	124+43	RT/LT		0.12
SUBTOTALS					0.12
TOTALS				23	0.9

AGGREGATE SUMMARY				C
STATION			LOCATION	2211
				AGGREGATE BASE CLASS 5 (CV)
				CU YD
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)				
10+00	TO	27+25	RT/LT	330
27+25	TO	39+68	RT/LT	229
50+00	TO	85+12	RT/LT	641
85+12	TO	113+11	RT/LT	533
SUBTOTALS				1733
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)				
120+00	TO	124+43	RT/LT	80
SUBTOTALS				80
TOTALS				1813

MISCELLANEOUS REMOVALS										B	
STATION			LOCATION	2104							
				REMOVE SIGN	REMOVE WOOD BRIDGE	REMOVE PIPE CULVERTS	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	SAWING CONCRETE PAVEMENT (FULL DEPTH)	REMOVE CURB	REMOVE CONCRETE PAVEMENT	REMOVE BITUMINOUS PAVEMENT
				EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	SQ YD	SQ YD
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)											
10+00	TO	27+25	RT/LT	2			98	48	45	56	796
27+25	TO	39+68	RT/LT	9	1	9	122	32	54	153	171
50+00	TO	85+12	RT/LT	3	1						
85+12	TO	113+11	RT/LT				149		123		139
SUBTOTALS				14	2	9	369	80	222	209	1106
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)											
120+00	TO	124+43	RT/LT				27		35	73	25
SUBTOTALS							27		35	73	25
TOTALS				14	2	9	396	80	257	282	1131



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BITUMINOUS SUMMARY				D
STATION			LOCATION	2360
				TYPE SP 9.5 WEARING COURSE MIX (2,B)
				TON
MN RIVER BLUFFS TRAIL: S.P. 196-090-002 (TRAIL)				
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)				
10+00	TO	27+25	RT/LT	335
27+25	TO	39+68	RT/LT	215
50+00	TO	85+12	RT/LT	657
85+12	TO	113+11	RT/LT	542
SUBTOTALS				1749
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)				
120+00	TO	124+43	RT/LT	71
SUBTOTALS				71
TOTALS				1820

CONCRETE SUMMARY						F
STATION			LOCATION	2521		
				4" CONCRETE WALK	6" CONCRETE CURB RAMP	CONCRETE CURB & GUTTER DESIGN B624
				SQ FT	SQ YD	LIN FT
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)						
10+00	TO	27+25	RT/LT	388	17	19
27+25	TO	39+68	RT/LT	1570	52	56
50+00	TO	85+12	RT/LT			
85+12	TO	113+11	RT/LT	529	66	133
SUBTOTALS				2487	135	208
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)						
120+00	TO	124+43	RT/LT	821	21	76
SUBTOTALS				821	21	76
TOTALS				3308	156	284

DRAINAGE TABULATION																E
STRUCTURE NO.		STRUCTURE LOCATION			DRAINAGE STRUCTURES				TOP OF CASTING ELEV	OUTLET ELEV.	INLET ELEV.	CONNECT TO EXISTING STORM SEWER	12" RCP	15"	GUIDE	REMARKS
					CASTING ASSEMBLY TYPE	STEPS REQ'D	CL V	RCP					POST			
FLOWS FROM	FLOWS TO	ALIGN.	STATION	OFFSET			H LIN FT	48-4020 LIN FT				EACH	LIN FT	LIN FT	TYPE B	
5000	5001	TRAIL	32+17.30	24.1' LT	3.1		M - 11		726.50	723.46	723.21			49	1	
5001	5002	TRAIL	32+18.90	24.1' RT	2.4		M - 11		725.58	723.21	723.13			19	1	
5002	6000	TRAIL	32+00.00	23.6' RT		4.3	A - 4D		727.00	723.11	722.88	1				
5003	5004	TRAIL	37+84.70	16.3' RT	3.4		M - 11		730.51	727.17	726.87		43			
5004	5005	TRAIL	38+30.00	8.1' LT		4.1	M - 11		730.89	726.84	726.67		25			
5005	6001	TRAIL	38+48.40	8.4' LT		4.6	A - 4D	X	730.86	726.67	726.50	1				
TOTALS					8.9	13.0					2	68	68	2		

- GENERAL NOTES:
- STATION AND OFFSET IS AT CENTER OF STRUCTURE AND/OR CASTING.
 - THE CASTING ELEVATION IS AT CENTER OF GRATE/COVER, UNLESS NOTED OTHERWISE.
 - THE INVERT ELEVATIONS ARE TO THE CENTER OF DRAINAGE STRUCTURE.
 - STRUCTURES WITH PAY HEIGHT DEPTHS GREATER THAN 4.5' MUST INCLUDED MANHOLE STEPS. SEE MNDOT STANDARD PLATE 4180.



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TEMPORARY EROSION CONTROL							G
STATION			LOCATION	2573			2575
				STORM DRAIN INLET PROTECTION	SILT FENCE TYPE MS	CULVERT END CONTROLS	RAPID STABILIZATION METHOD 3
				EACH	LIN FT	EACH	MGAL
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)							
10+00	TO	27+25	RT/LT	7	2917	1	19
27+25	TO	39+68	RT/LT	9	897		6
50+00	TO	85+12	RT/LT	12	7029		28
85+12	TO	113+11	RT/LT	14	4150		23
SUBTOTALS				42	14992	1	76
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)							
120+00	TO	124+43	RT/LT		812		3
SUBTOTALS					812		3
TOTALS				42	15803	1	79

TRUNCATED DOMES SUMMARY					I
STATION			LOCATION		
				TRUNCATED DOMES	
				SQ FT	
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)					
10+00	TO	27+25	RT/LT	20	
27+25	TO	39+68	RT/LT	60	
50+00	TO	85+12	RT/LT		
85+12	TO	113+11	RT/LT	60	
SUBTOTALS				140	
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)					
120+00	TO	124+43	RT/LT	24	
SUBTOTALS				24	
TOTALS				164	

PERMANENT TURF ESTABLISHMENT							H
STATION			LOCATION				
				SUBSOILIN G	SOIL BED PREPARATION	FERTILIZER TYPE 3 (2)	FERTILIZER TYPE 4 ()
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)							
10+00	TO	27+25	RT/LT	1	1	207	
27+25	TO	39+68	RT/LT	0.3	0.3	60	
50+00	TO	85+12	RT/LT	2	2	306	1
85+12	TO	113+11	RT/LT	2	2	245	
SUBTOTALS				5	5	818	1
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)							
120+00	TO	124+43	RT/LT	0.2	0.2	31	
SUBTOTALS				0	0.2	31	
TOTALS				6	6	849	1



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PERMANENT TURF ESTABLISHMENT										J	
STATION			LOCATION	2575							
				SEEDING	SEED MIXTURE (1)		MOWING	WEED SPRAYING (2)	WEED SPRAY MIXTURE (3)	ROLLED EROSION PREVENT ION CATEGORY 25	HYDRAULIC STABILIZED FIBER MATRIX (4)
					25-131	33-261					
					ACRE	POUND					
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (TRAIL)											
10+00	TO	27+25	RT/LT	1	227		2	0.5	0.25		4018
27+25	TO	39+68	RT/LT	0.3	65		1	0.15	0.08		1161
50+00	TO	85+12	RT/LT	2	336	1	3	0.75	0.38	25	5975
85+12	TO	113+11	RT/LT	2	269		2	0.6	0.3		4769
SUBTOTALS				5	897	1	8	2	1.01	25	15923
MN RIVER BLUFFS REGIONAL TRAIL: S.P. 196-090-002 (LOCAL CONNECTION)											
120+00	TO	124+43	RT/LT	0.2	34		0.4	0.1	0.05		604
SUBTOTALS				0.2	34		0.4	0.1	0.05		604
TOTALS				6	931	1	8	2.1	1.1	25	16527

ADA QUANTITY TABULATION											K
ALIGNMENT NAME	RAMP IDENTIFI ER	2104.503	2104.518	2104.618	2521.602	2521.618	2531.603	2531.618		2575.602	CURB RAMP DESIGN (2)
		REMOVE CURB AND GUTTER (1)	REMOVE CONCRETE WALK (1)	REMOVE AND REPLACE BITUMINOUS PAVEMENT (ADA) (1)	DRILL AND GROUT REINFORCEME NT BAR (EPOXY	CONCRETE WALK (ADA) (3)	CONCRETE CURB AND GUTTER (ADA)	TRUNCATED DOMES		SITE RESTORATION (ADA)	
		LIN FT	SQ FT	SQ FT	EACH	SQ FT	LIN FT	SQ FT	RADIUS (FT)	EACH	
TRAIL 1	A1	19	403	38	10	414	19	20		1	DIRECTIONAL
TRAIL 1	A2	19	203	38	14	238	19	20		1	DIRECTIONAL
TRAIL 1	B1	19	114	37	14	220	19	20		1	DIRECTIONAL
TRAIL 1	B2	18	103	35	14	194	18	20		1	DIRECTIONAL
TRAIL 2	C1	96	0	198	11	214	96	28	0 & 22	1	DIRECTIONAL
TRAIL 2	C2	27	0	48	16	902	27	32		1	COMBINED DIRECTIONAL AND PARALLEL
TRAIL S	D1	21	649	187	11	99	60	12		1	DIRECTIONAL
TRAIL S	D2	14	0	30	10	89	16	12		1	DIRECTIONAL
TOTAL (SP 148-115-003)		233	1472	611	100	2370	274	164		8	

- NOTES:
- (1) ALL SAWCUTS ARE INCIDENTAL TO REMOVAL PAY ITEMS.
 - (2) SEE PEDESTRIAN RAMP STANDARD PLANS FOR CONSTRUCTION DETAILS.
 - (3) PAY ITEM INCLUDES 4" AGGREGATE BASE AND SUBGRADE PREPARATION.
 - (4) PAY ITEM INCLUDES BARS BY EACH LOCATED ACCORDING TO STANDARD.



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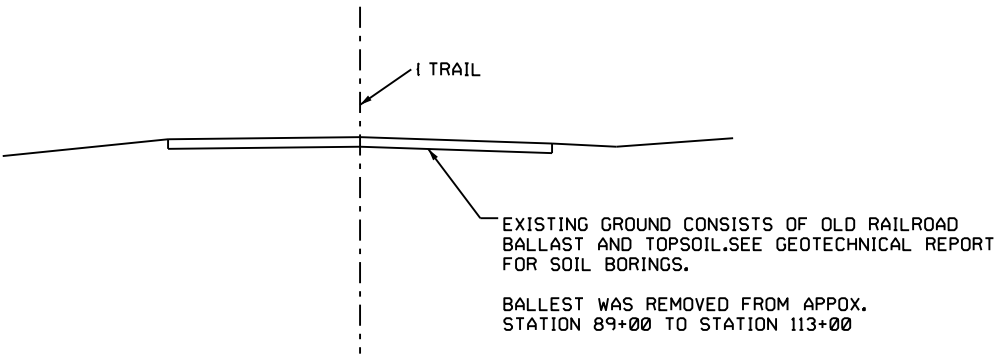
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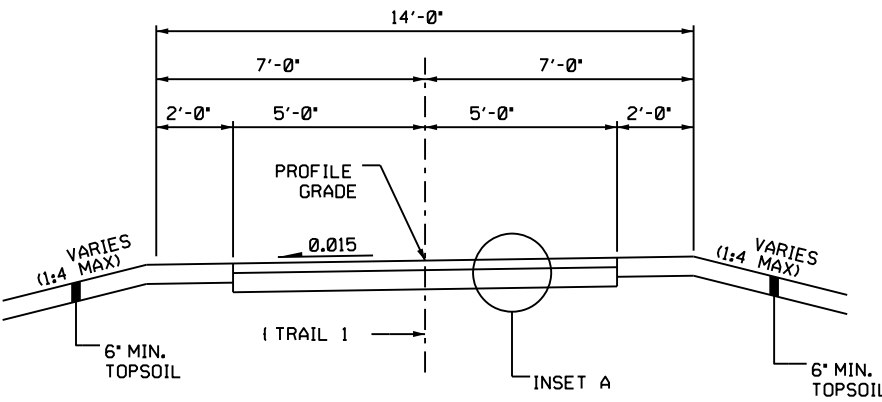
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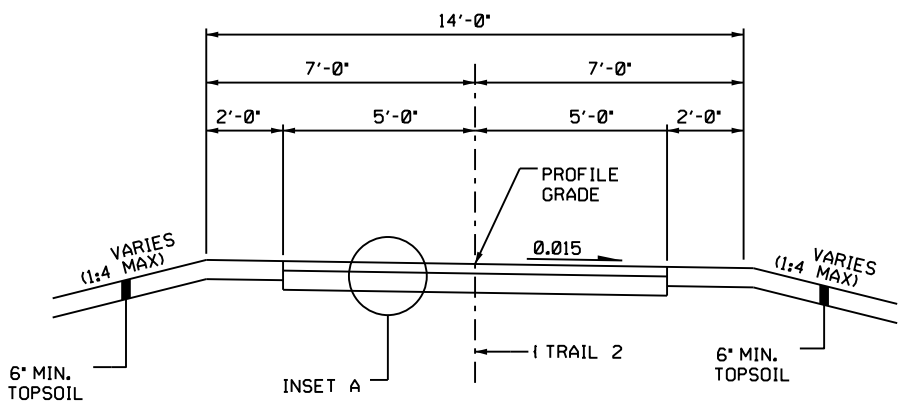
EXISTING TYPICAL SECTION
TRAIL 1 & TRAIL 2



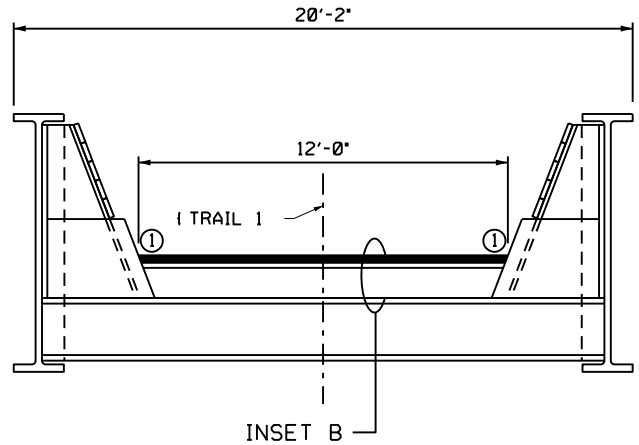
PROPOSED TYPICAL SECTION
TRAIL 1
STA. 10+13.52 TO 38+81.20 (TRAIL 1)



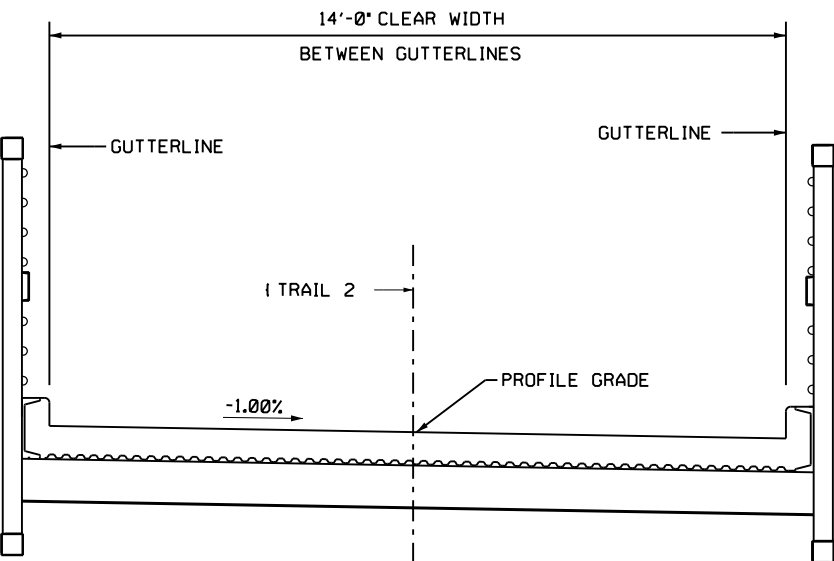
PROPOSED TYPICAL SECTION
TRAIL 2
STA. 50+00.00 TO 113+11.38 (TRAIL 2)



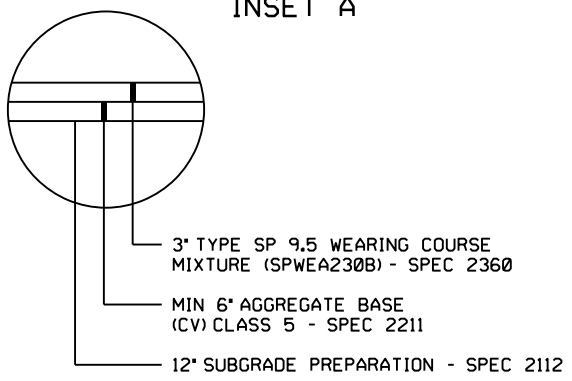
PROPOSED TYPICAL SECTION
RETROFIT BRIDGE
STA. 11+52.94 TO 12+30.19 (TRAIL 1)



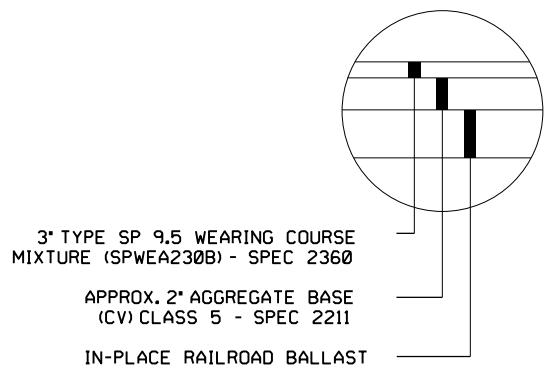
PROPOSED TYPICAL SECTION
TRUSS BRIDGE
STA. 56+55.57 TO 57+18.40 (TRAIL 2)



INSET A



INSET B



GENERAL NOTES:

- ALL CROSS SLOPES ARE IN FT/FT UNLESS OTHERWISE NOTED.
- THE GRADING GRADE AND SUBCUT CROSS SLOPES WILL BE THE SAME AS THE PROPOSED PAVEMENT SURFACE.
- ALL SECTIONS ARE LOOKING UPSTATION.

SHEET NOTES:

- ① 1:50 TAPER ON TRAIL ON EACH APPROACH. SEE CONSTRUCTION PLANS FOR DETAILS.

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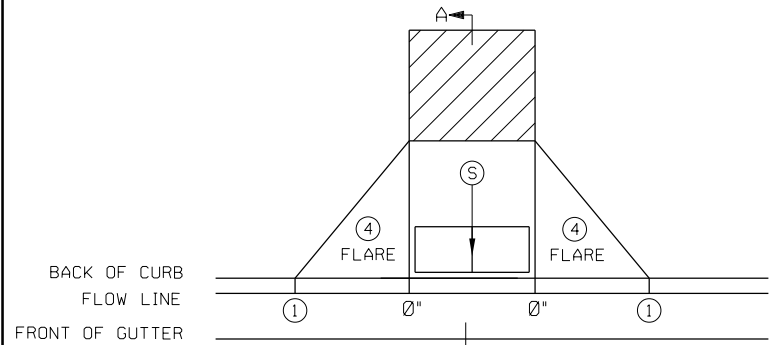
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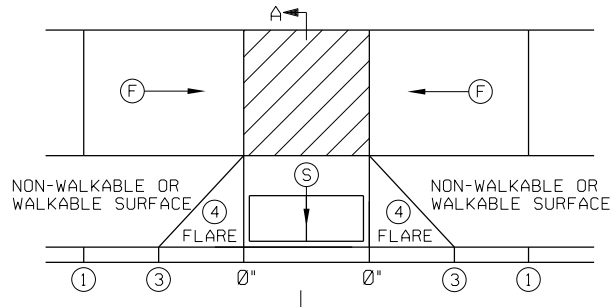
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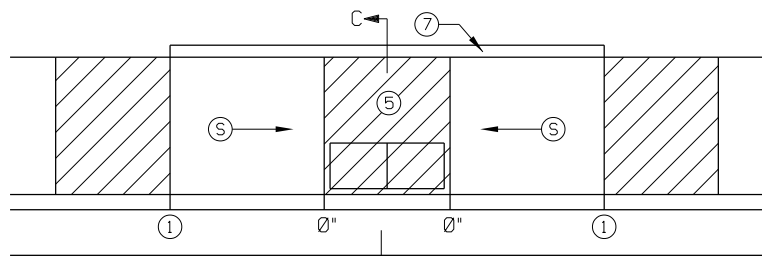
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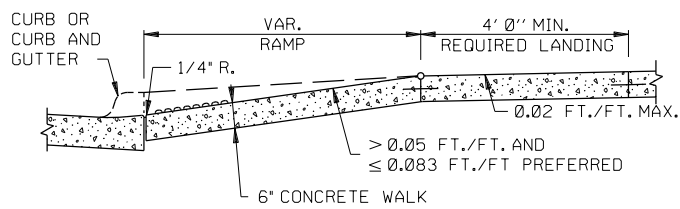
PERPENDICULAR



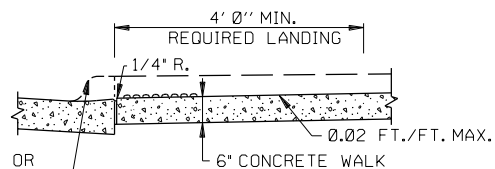
TIERED PERPENDICULAR



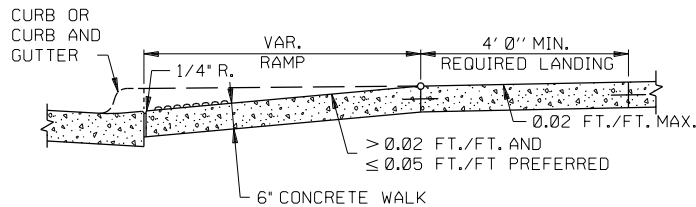
PARALLEL



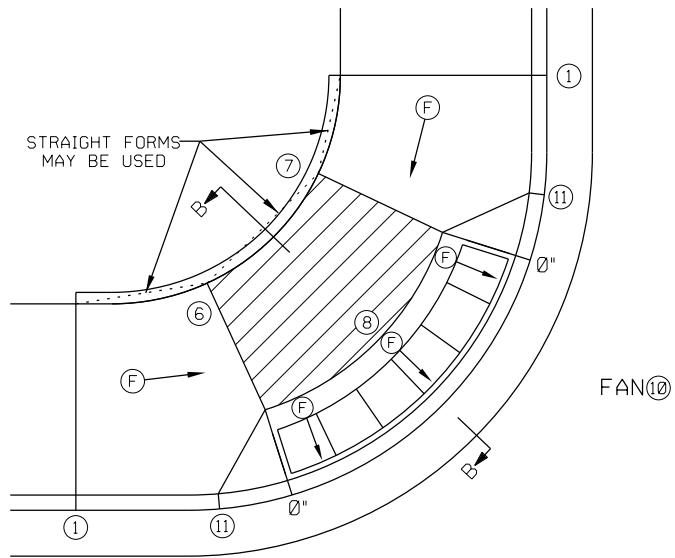
SECTION A-A
PERPENDICULAR/TIERED/DIAGONAL



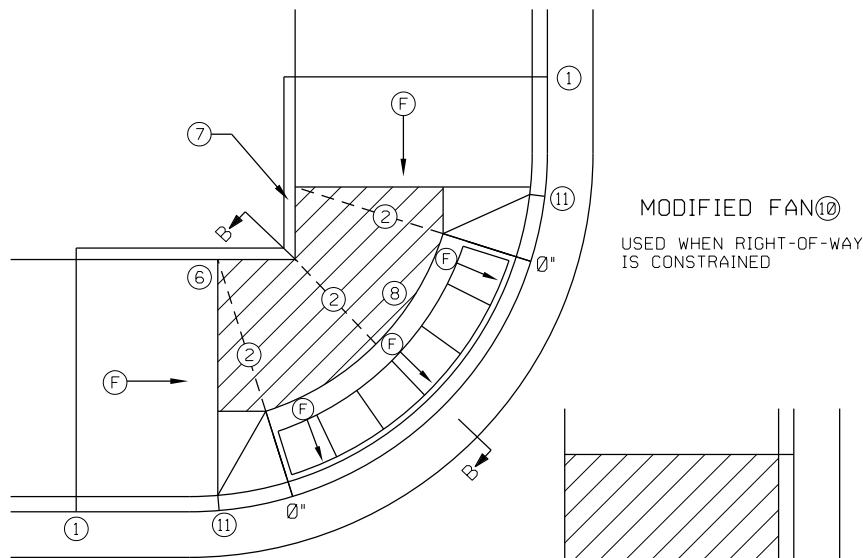
SECTION C-C
PARALLEL/DEPRESSED CORNER



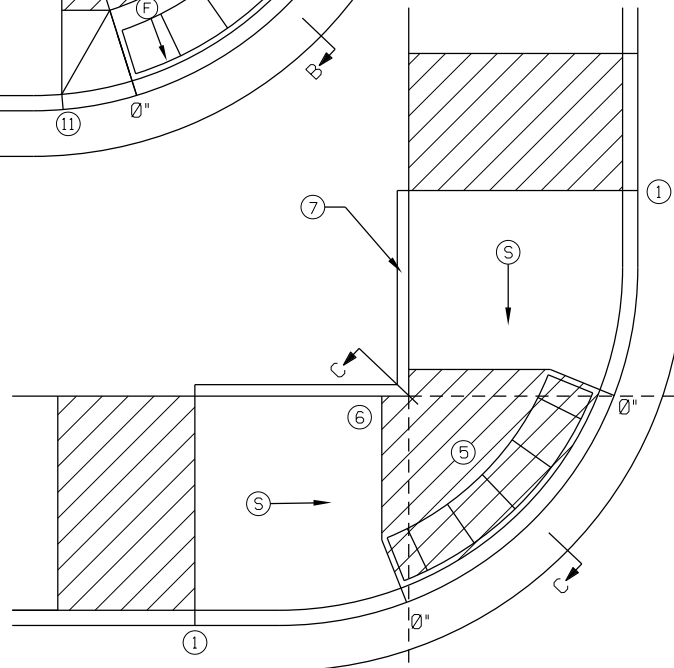
SECTION B-B
FAN



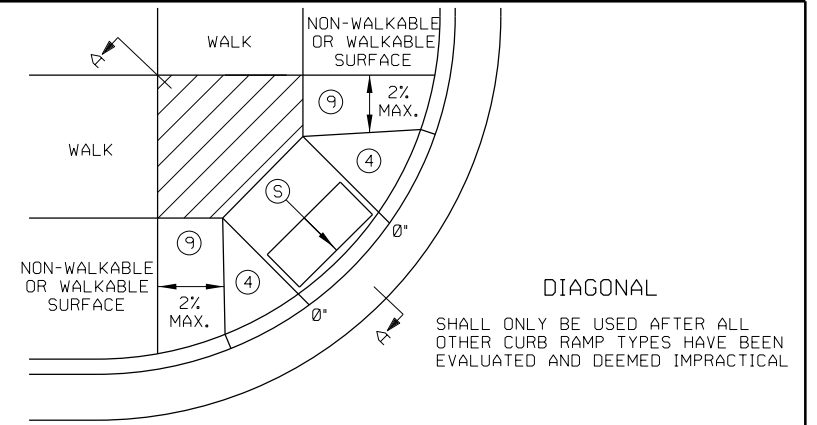
FAN



MODIFIED FAN
USED WHEN RIGHT-OF-WAY
IS CONSTRAINED



DEPRESSED CORNER



SHALL ONLY BE USED AFTER ALL
OTHER CURB RAMP TYPES HAVE BEEN
EVALUATED AND DEEMED IMPRACTICAL

NOTES:

LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE GREATER THAN 2%. INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY APPLICABLE WHEN THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%.

SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30' OF VERTICAL RISE WHEN THE LONGITUDINAL RUNNING SLOPE IS GREATER THAN 5.0%.

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR, 1/4" DEEP. VISUAL JOINTS SHALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH, (EXCEPT AS STATED BELOW).

TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE (RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR, FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 OF 6 FOR ALL SEPARATELY POURED INITIAL LANDINGS.

WHEN SIDEWALK IS AT BACK OF CURB, TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE. MAINTAIN POSITIVE BOULEVARD DRAINAGE TO TOP OF CURB.

ALL RAMP TYPES SHOULD HAVE A MINIMUM 3' LONG RAMP LENGTH.

4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24' IN THE PATH OF TRAVEL. DETECTABLE WARNING TO COVER THE ENTIRE PAR WIDTH OF SHARED-USE PATHS AND THE ENTIRE PAR WIDTH OF THE WALK WITH THE EXCEPTION OF 3' MAXIMUM ON EACH OUTSIDE EDGE WHICH ENSURES THE DETECTABLE WARNINGS ARE ENCASED IN CONCRETE WHEN ADJACENT TO TURF. WHEN ADJACENT TO CONCRETE FLARES 0' - 3' OFFSET IS ALLOWED.

WHEN DESIGNING OR ORDERING RECTANGULAR DETECTABLE WARNING SURFACES SHOULD BE 6" LESS THAN THE INCOMING PAR ARC LENGTH OF THE RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET.

RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3' FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB.

- 1 MATCH FULL HEIGHT CURB.
- 2 4' MINIMUM DEPTH LANDING REQUIRED ACROSS TOP OF RAMP.
- 3 3' HIGH CURB WHEN USING A 3' LONG RAMP, 4' HIGH CURB WHEN USING A 4' LONG RAMP.
- 4 SEE SHEET 4 OF 6, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS.
- 5 DETECTABLE WARNINGS MAY BE PART OF THE 4' X 4' MIN. LANDING AREA IF IT IS NOT FEASIBLE TO CONSTRUCT THE LANDING OUTSIDE OF THE DETECTABLE WARNING AREA.
- 6 THE GRADE BREAK SHALL BE PERPENDICULAR TO THE BACK OF WALK. THIS WILL ENSURE THAT THE GRADE BREAK IS PERPENDICULAR TO THE DIRECTION OF TRAVEL. (TYPICAL FOR ALL)
- 7 WHEN ADJACENT TO GRASS, GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS LESS THAN 5% RUNNING SLOPE SHOULD BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW & ICE REMOVAL.
- 8 A 7' MIN TOP RADIUS GRADE BREAK IS REQUIRED TO BE CONSTRUCTIBLE.
- 9 PAVE FULL WALK WIDTH.
- 10 "S" SLOPES ON FANS SHALL ONLY BE USED WHEN ALL OTHER FEASIBLE OPTIONS HAVE BEEN EVALUATED AND DEEMED IMPRACTICAL.
- 11 INTERMEDIATE CURB HEIGHTS TAPER SHALL RISE AT 8-10% TO A MINIMUM 3' CURB HEIGHT. REDUCE INTERMEDIATE CURB HEIGHT TO 2+ INCHES IF NECESSARY TO MATCH ADJACENT BOULEVARD OR SIDEWALK GRADES.

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

(S) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.

(F) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%.

LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX. 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PAR.

X" CURB HEIGHT



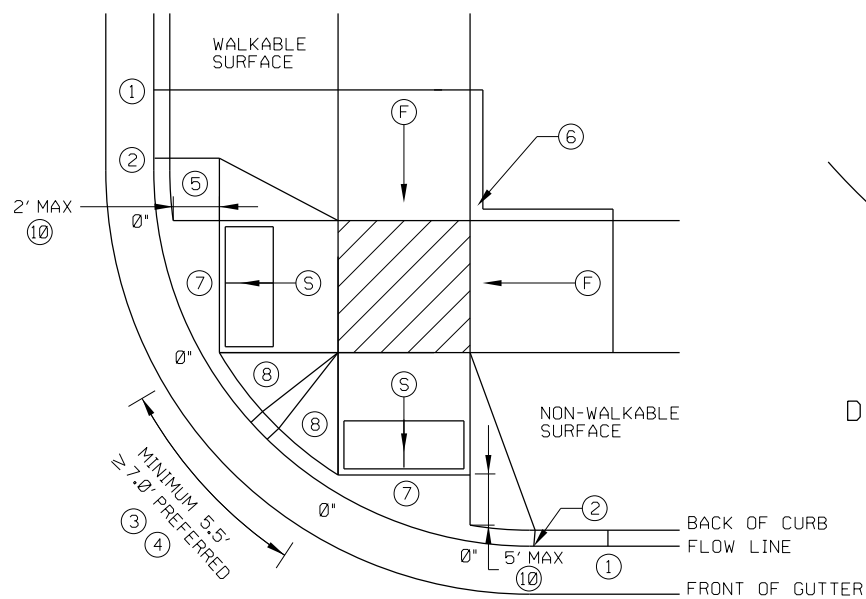
STANDARD PLAN 5-297.250 1 OF 6

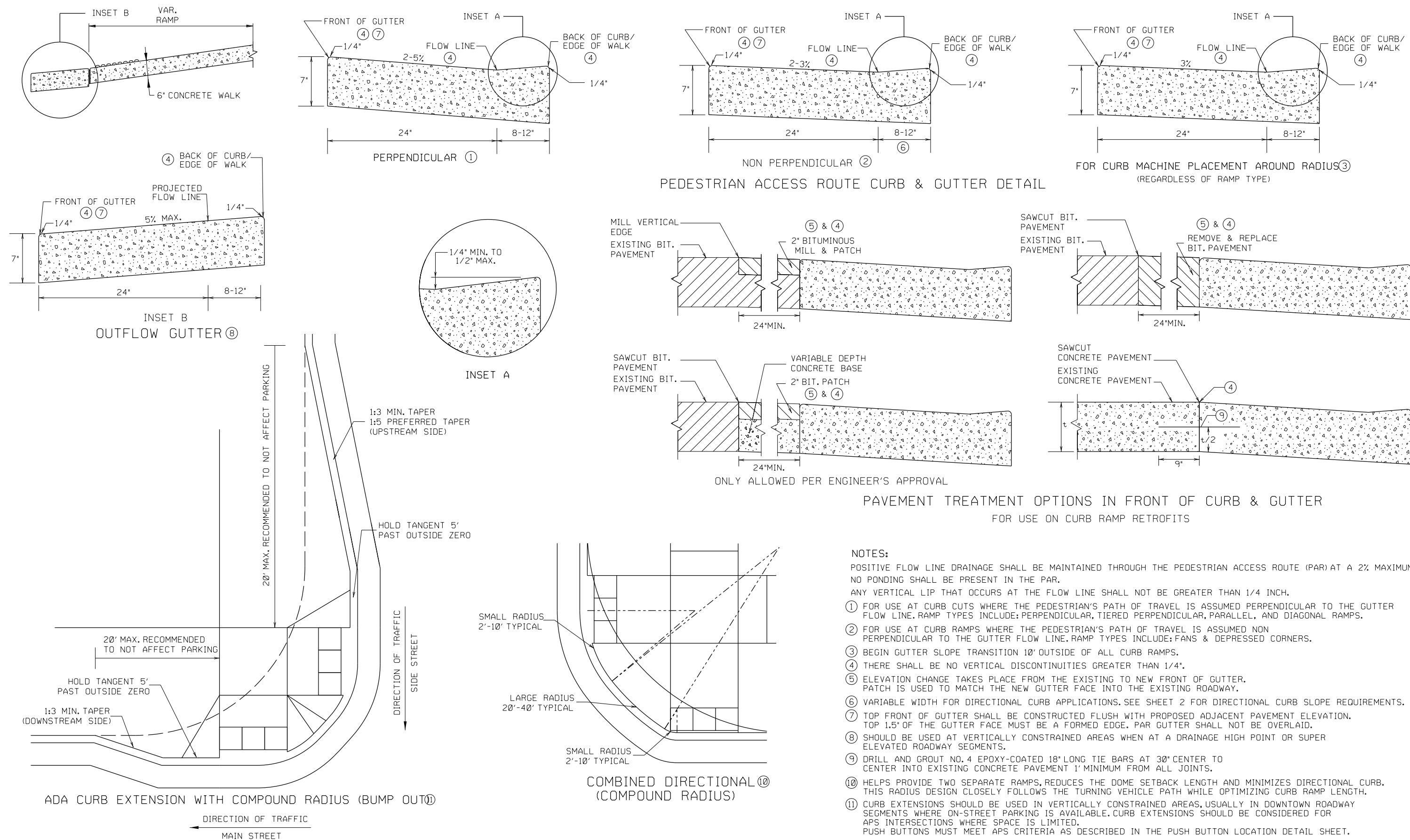
APPROVED: 11-04-2021
REVISED:
THOMAS STYRBICKI
STATE DESIGN ENGINEER

STATE PROJ. NO. 196-090-002

PEDESTRIAN CURB RAMP DETAILS

SHEET NO. 12 OF 64 SHEETS



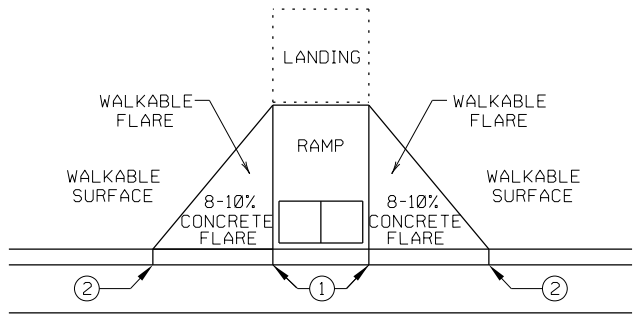


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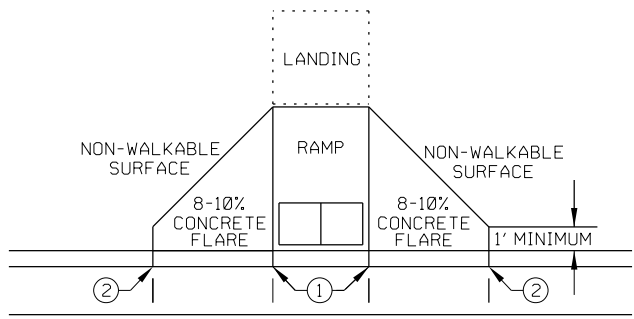
APPROVED: 11-04-2021

Jeffrey J. Perkins
JEFFREY PERKINS
OPERATIONS DIVISION

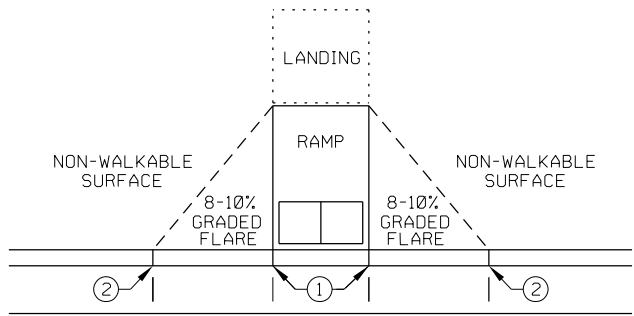
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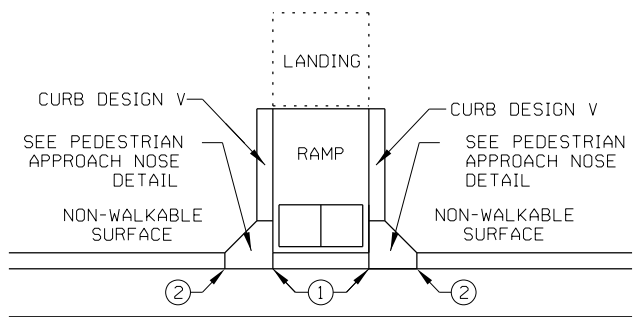
PAVED FLARES
ADJACENT TO WALKABLE SURFACE



PAVED FLARES
ADJACENT TO NON-WALKABLE SURFACE

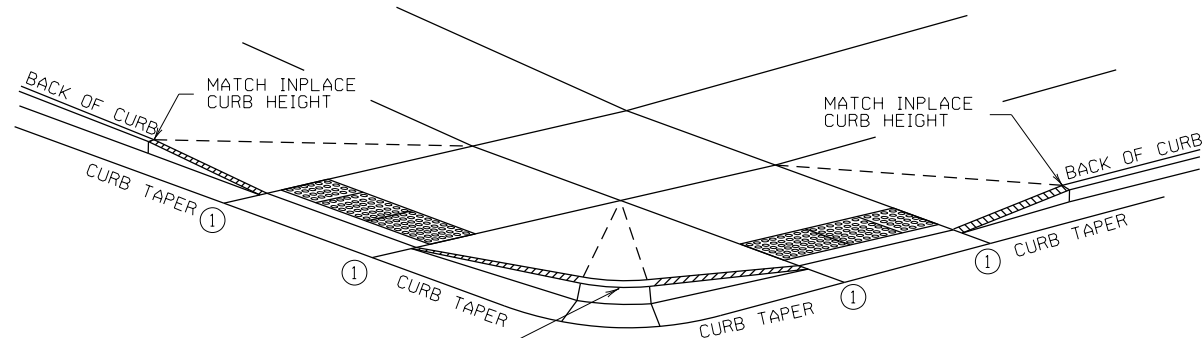


GRADED FLARES



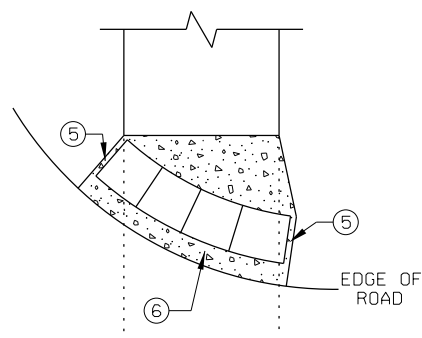
RETURNED CURB ④

TYPICAL SIDE TREATMENT OPTIONS ③ ⑩

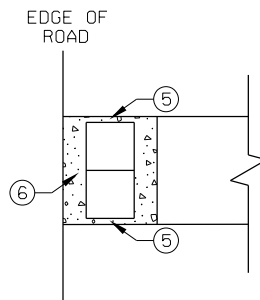


3" MINIMUM CURB HEIGHT, 4" PREFERRED
(MEASURED AT FRONT FACE OF CURB)
FOR A MIN. 6" LENGTH (MEASURED ALONG FLOW LINE)

DETECTABLE EDGE WITH
CURB AND GUTTER

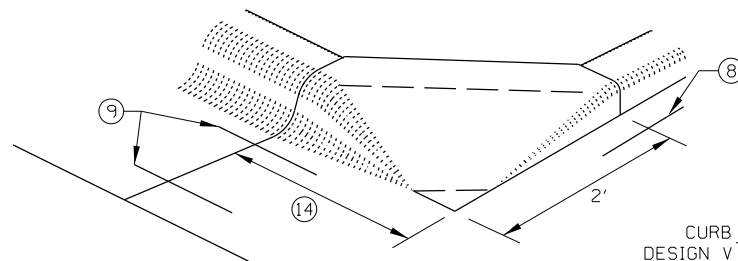


RADIAL DETECTABLE WARNING

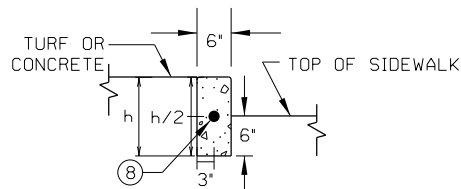


RECTANGULAR DETECTABLE WARNING

DETECTABLE EDGE WITHOUT CURB AND GUTTER

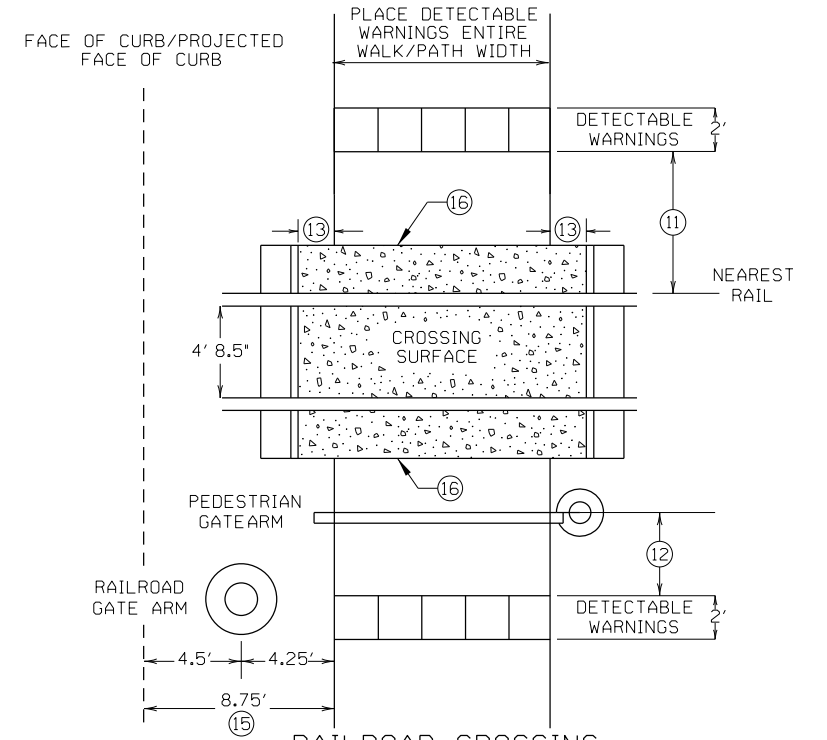


SECTION A-A



SECTION B-B

PEDESTRIAN APPROACH
NOSE DETAIL
(FOR RETURNED CURB
SIDE TREATMENT)



RAILROAD CROSSING
PLAN VIEW

NOTES:

INTERMEDIATE CURB HEIGHTS TAPER SHALL RISE AT 8-10% TO A MINIMUM 3 INCH CURB HEIGHT. INCREASE CURB TAPER LENGTH AT LESS THAN 8% OR REDUCE INTERMEDIATE CURB HEIGHT TO 2+ INCHES IF NECESSARY TO MATCH ADJACENT BOULEVARD OR SIDEWALK GRADES.

SEE STANDARD PLATE 7038 AND THIS SHEET FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.

A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.

CONCRETE FLARE LENGTHS ADJACENT TO NON-WALKABLE SURFACES SHOULD BE LESS THAN 8' LONG MEASURED ALONG THE RAMPS FROM THE BACK OF CURB.

① 0" CURB HEIGHT. SEE INSET A ON SHEET 3 OF 6.

② FULL CURB HEIGHT.

③ SIDE TREATMENTS ARE APPLICABLE TO ALL RAMP TYPES AND SHOULD BE IMPLEMENTED AS NEEDED AS FIELD CONDITIONS DICTATE. THE ENGINEER SHALL DETERMINE THE RAMP SIDE TREATMENTS BASED ON MAINTENANCE OF BOTH ROADWAY AND SIDEWALK, ADJACENT PROPERTY CONSIDERATIONS, AND MITIGATING CONSTRUCTION IMPACTS.

④ TYPICALLY USED FOR MEDIANS AND ISLANDS.

⑤ WHEN NO CONCRETE FLARES ARE PROPOSED, THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE EDGE OF ROADWAY. MAINTAIN 3" MAX. BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

⑥ IF NO CURB AND GUTTER IS PLACED IN RURAL SECTIONS, DETECTABLE WARNINGS SHALL BE PLACED 1' FROM THE EDGE OF BITUMINOUS ROADWAY AND/OR BITUMINOUS SHARED-USE PATH TO PROVIDE VISUAL CONTRAST.

⑦ ALL CONSTRUCTED CURBS MUST HAVE A CONTINUOUS DETECTABLE EDGE FOR THE VISUALLY IMPAIRED. THIS DETECTABLE EDGE REQUIRES DETECTABLE WARNINGS WHEREVER THERE IS ZERO-INCH HIGH CURB. CURB TAPERS ARE CONSIDERED A DETECTABLE EDGE WHEN THE TAPER STARTS WITHIN 3' OF THE EDGE OF THE DETECTABLE WARNINGS, AND UNIFORMLY RISES TO A 3-INCH MINIMUM CURB HEIGHT. ANY CURB NOT PART OF A CURB TAPER AND LESS THAN 3 INCHES IN HEIGHT IS NOT CONSIDERED A DETECTABLE EDGE AND THEREFORE IS NOT COMPLIANT WITH ACCESSIBILITY STANDARDS.

⑧ DRILL AND GROUT 1 - NO. 4 12" LONG REINFORCEMENT BAR (EPOXY COATED) WITH 3" MIN. COVER. REINFORCEMENT BARS ARE NOT NEEDED IF THE APPROACH NOSE IS POURED INTEGRAL WITH THE V CURB.

⑨ DRILL AND GROUT 2 - NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) WITH 3" MIN. COVER. REINFORCEMENT BARS ARE NOT NEEDED IF THE APPROACH NOSE IS POURED INTEGRAL WITH THE CURB AND GUTTER.

⑩ SIDE TREATMENT EXAMPLES SHOWN ARE WHEN THE INITIAL LANDING IS APPROXIMATELY LEVEL WITH THE FULL HEIGHT CURB (I.E. 6' LONG RAMP FOR 6" HIGH CURB). WHEN THE INITIAL LANDING IS MORE THAN 1' BELOW FULL HEIGHT CURB REFER TO SHEETS 1 & 2 TO MODIFY THE CURB HEIGHT TAPERS AND MAINTAIN POSITIVE BOULEVARD DRAINAGE. CONSTRUCT THESE TAPERS AT 0"-3" AT 8-10%, THEN LESS THAN 5% FROM 3' CURB TO FULL CURB HEIGHT.

⑪ NEAREST EDGE OF DETECTABLE WARNING SURFACES SHALL BE PLACED 12' MINIMUM TO 15' MAXIMUM FROM THE NEAREST RAIL. FOR SKEWED RAILWAYS IN NO INSTANCE SHALL THE DETECTABLE WARNING BE CLOSER THAN 12' MEASURED PERPENDICULAR TO THE NEAREST RAIL.

⑫ WHEN PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL, 2' FROM THE APPROACHING SIDE OF THE GATE ARM. THIS CRITERIA GOVERNS OVER NOTE ⑪.

⑬ CROSSING SURFACE SHALL EXTEND 2' MINIMUM PAST THE OUTSIDE EDGE OF WALK OR SHARED-USE PATH.

⑭ 3' FOR MEDIANS AND SPLITTER ISLANDS. NOSE CAN BE REDUCED TO 2' ON FREE RIGHT ISLANDS.

⑮ SIDEWALK TO BE PLACED 8.75' MIN. FROM THE FACE OF CURB/PROJECTED FACE OF CURB. THIS ENSURES MIN. CLEARANCE BETWEEN THE SIDEWALK AND GATE ARM COUNTERWEIGHT SUPPORTS.

⑯ CONSTRUCT WITH EXPANSION MATERIAL PER MNDOT SPECIFICATION 3702 TYPES A-E. EXPANSION MATERIAL SHALL MATCH FULL HEIGHT OF ADJACENT CONCRETE.



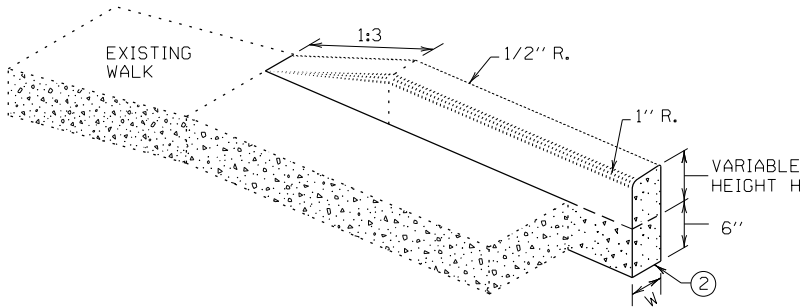
STANDARD PLAN 5-297.2504 OF 6
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REVISED:
THOMAS STYRICKI
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

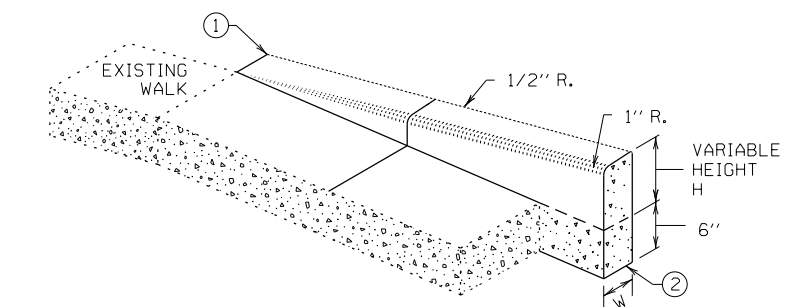
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SHEET NO. 15 OF 64 SHEETS

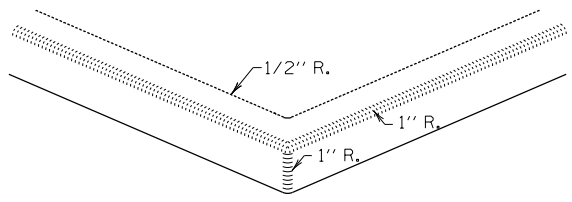
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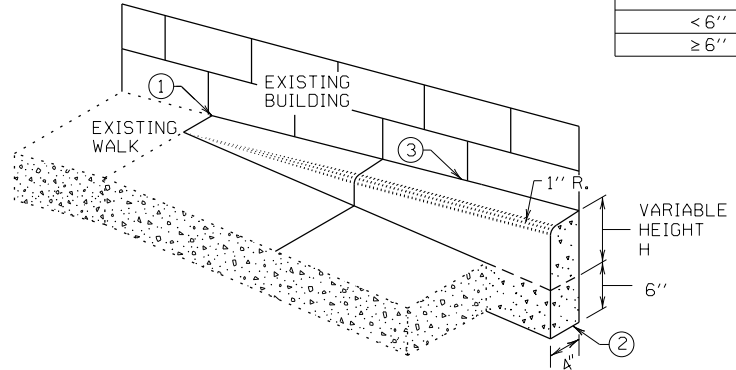
V CURB ADJACENT TO LANDSCAPE
CURB WITHIN SIDEWALK LIMITS



V CURB ADJACENT TO LANDSCAPE
CURB OUTSIDE SIDEWALK LIMITS

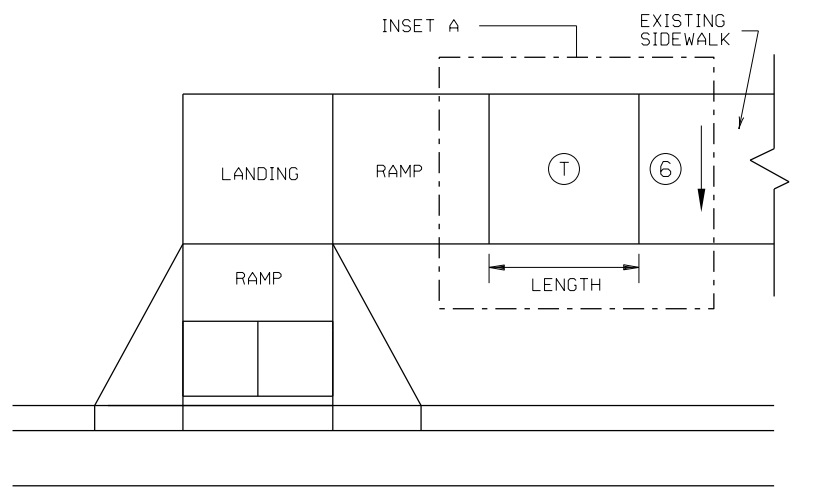


V CURB INTERSECTION

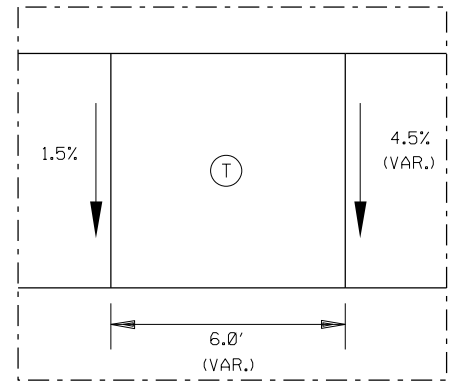


V CURB ADJACENT TO BUILDING
OR BARRIER

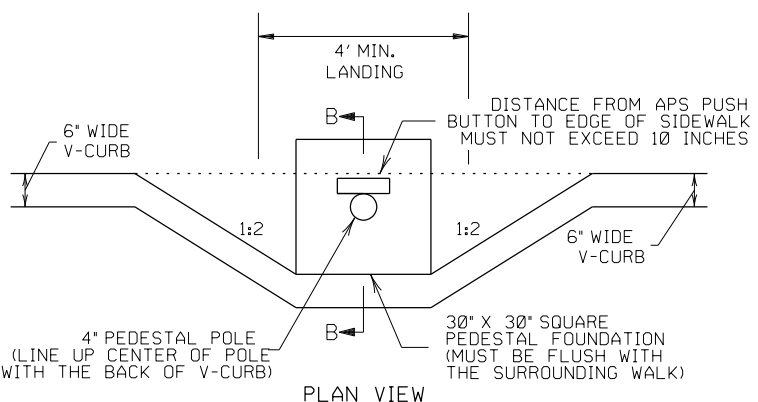
CONCRETE CURB DESIGN V	
CURB HEIGHT H	CURB WIDTH W
< 6"	4"
≥ 6"	6"



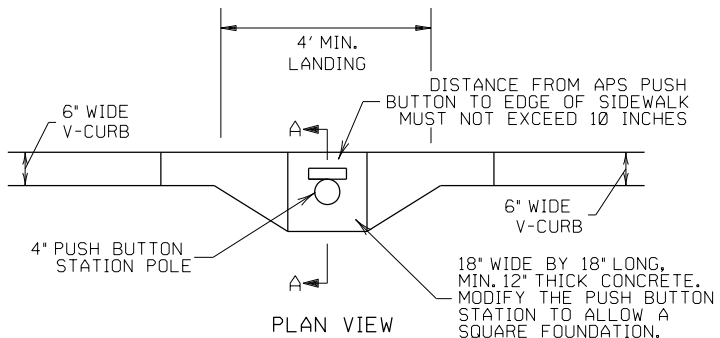
TRANSITION PANEL ④ ⑤



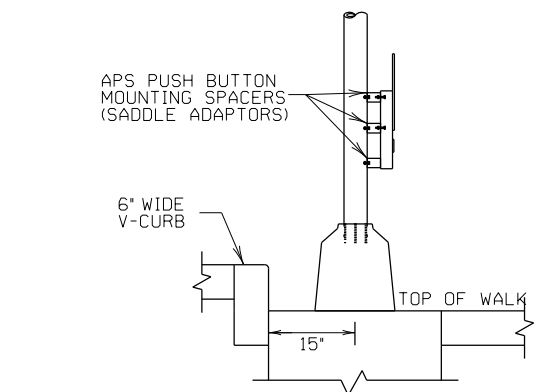
INSET A



PLAN VIEW

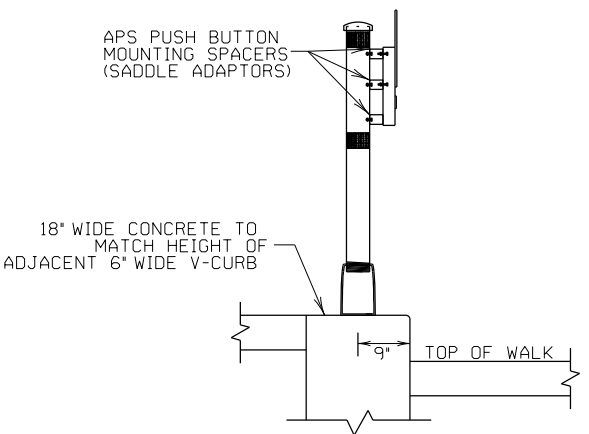


PLAN VIEW



SECTION B-B

SIGNAL PEDESTAL & PUSH BUTTON (V-CURB)



SECTION A-A

PUSH BUTTON STATION (V-CURB)

NOTES:

A WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A PUSH BUTTON TRAVERSES THE FLARE.

ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP OF SIDEWALK ELEVATIONS.

- ① END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
- ② ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.
- ③ CONSTRUCT USING APPROVED EXPANSION MATERIAL PER MNDOT TYPE A-E EXPANSION. LEAVE A MINIMUM 1/2" TOP GAP AND SEAL WITH MNDOT APPROVED SILICONE PER MNDOT SPEC 3722.
- ④ THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1' LINEAR FOOT OF SIDEWALK PER HALF PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OR THE RUNNING SLOPE IS GREATER THAN 5%, DOUBLE THE CALCULATED TRANSITION LENGTH.
- ⑤ TRANSITION PANELS ARE TO ONLY BE USED AFTER THE RAMP, OR IF NEEDED, LANDING ARE AT THE FULL CURB HEIGHT (TYPICAL SECTION).
- ⑥ EXISTING CROSS SLOPE GREATER THAN 2.0%.

LEGEND	
THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.	
⑤	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.
④	LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PAR.
①	TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A RAMP TO THE EXISTING WALK CROSS-SLOPE. RATE OF TRANSITION SHOULD BE 0.5% PER 1 LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.



STANDARD PLAN 5-297.250 OF 6

APPROVED: 11-04-2021
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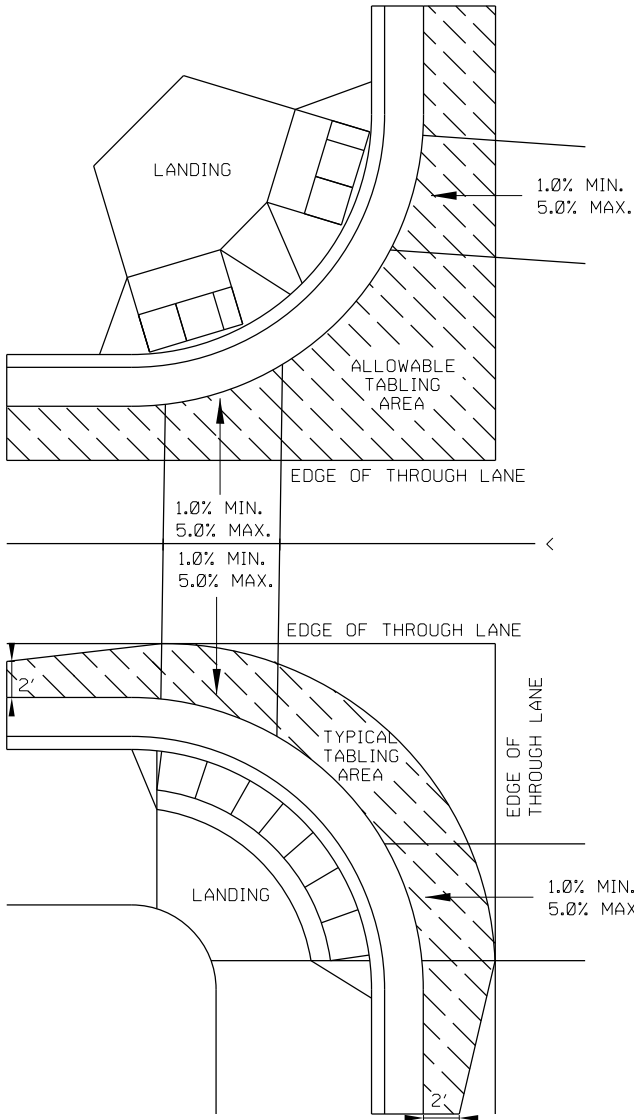
THOMAS STYRBICKI
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

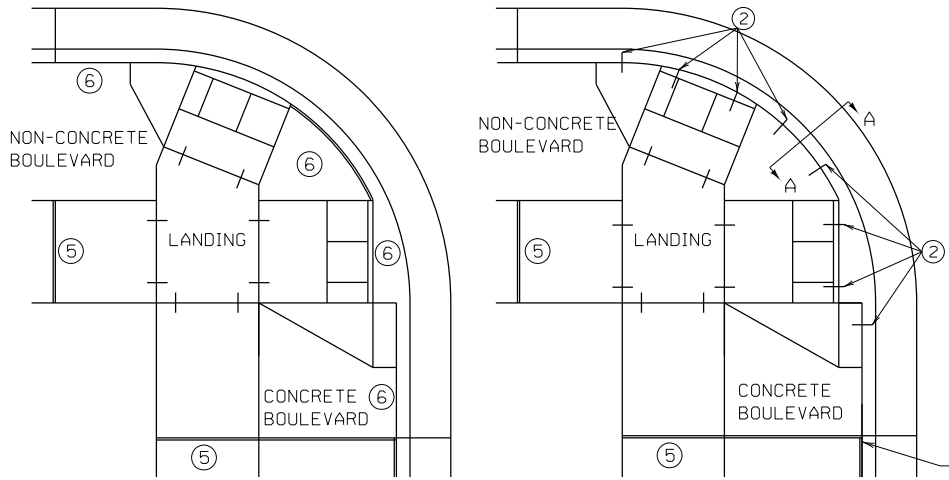
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SHEET NO. 16 OF 64 SHEETS

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CURB LINE AND ROAD CROSSING ADJUSTMENTS

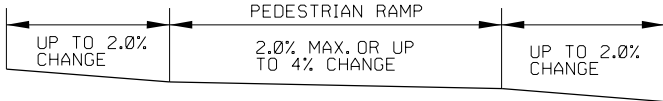


EXPANSION MATERIAL PLACEMENT FOR CONCRETE ROADWAYS

CURB LINE REINFORCEMENT^④ PLACEMENT ON BITUMINOUS ROADWAYS



FLOW LINE PROFILE "TABLE" - TWIN PERPENDICULARS



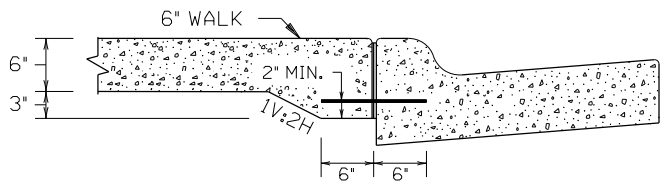
FLOW LINE PROFILE "TABLE" - FAN



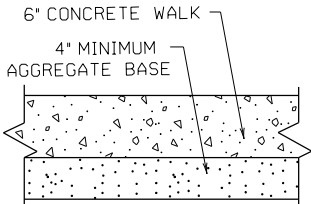
FLOW LINE PROFILE RAISE - TWIN PERPENDICULARS



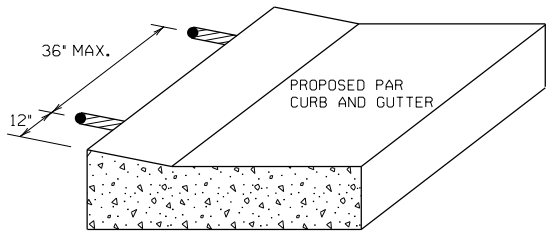
FLOW LINE PROFILE RAISE - FAN



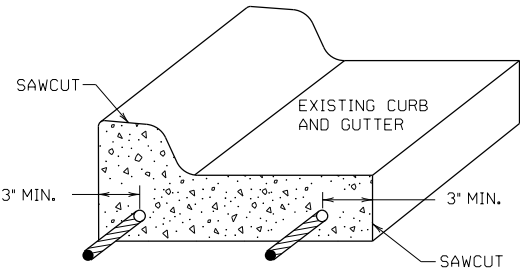
SECTION VIEW A-A THICKENED SECTION THROUGH CURB RAMP FLARES



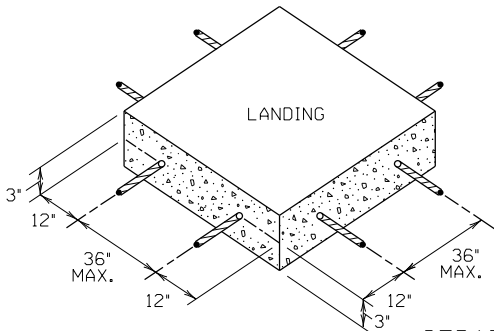
TYPICAL SIDEWALK SECTION WITHIN INTERSECTION CORNER



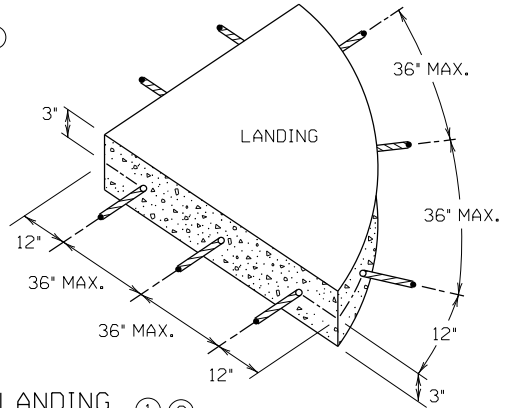
CURB RAMP REINFORCEMENT DETAILS^{②④}



CURB AND GUTTER REINFORCEMENT^③



SEPARATE LANDING POUR REINFORCEMENT^{①②}



GENERAL NOTES:

TABLING OF CROSSWALKS MEANS MAINTAINING LESS THAN 2% CROSS SLOPE WITHIN A CROSSWALK, IS REQUIRED WHEN A ROADWAY IS IN A STOP OR YIELD CONDITION AND THE PROJECT SCOPE ALLOWS.

RECONSTRUCTION PROJECTS: ON FULL PAVEMENT REPLACEMENT PROJECTS *TABLING* OF ENTIRE CROSSWALK SHALL OCCUR WHEN FEASIBLE.

MILL & OVERLAY PROJECTS: *TABLING* OF FLOW LINES, IN FRONT OF THE PEDESTRIAN RAMP, IS REQUIRED WHEN THE EXISTING FLOW LINE IS GREATER THAN 2%. WARPING OF THE BITUMINOUS PAVEMENT CAN NOT EXTEND INTO THE THROUGH LANE. TABLE THE FLOW LINE TO 2% OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA:

- 1) 1.0% MIN. CROSS-SLOPE OF THE ROAD
- 2) 5.0% MAX. CROSS-SLOPE OF THE ROAD
- 3) *TABLE* FLOW LINE UP TO 4% CHANGE FROM EXISTING SLOPE IN FRONT OF PEDESTRIAN RAMP
- 4) UP TO 2% CHANGE IN FLOW LINE FROM EXISTING SLOPE BEYOND THE PEDESTRIAN CURB RAMP

STAND-ALONE ADA RETROFITS: FOLLOW MILL & OVERLAY CRITERIA ABOVE HOWEVER ALL PAVEMENT WARPING IS DONE WITH BITUMINOUS PATCHING ON BITUMINOUS ROADWAYS AND FULL-DEPTH APRON REPLACEMENT ON CONCRETE ROADWAYS.

RAISING OF CURB LINES SHOULD OCCUR IN VERTICALLY CONSTRAINED AREAS. RAISE THE CURB LINES ENOUGH TO ALLOW COMPLIANT RAMPS OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA:

- 1) 1.0% MIN. AND 5.0% MAXIMUM CROSS-SLOPE OF THE ROAD
- 2) 1.0% MIN. FLOW LINE (ON EITHER SIDE OF PEDESTRIAN RAMP) TO MAINTAIN POSITIVE DRAINAGE
- 3) 5.0% RECOMMENDED MAX. FLOW LINE
- 4) LONGITUDINAL THROUGH LANE ROADWAY TAPERS SHOULD BE 1" VERTICAL PER 15' HORIZONTAL

NOTES:

- ① TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE (RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET FOR ALL SEPARATELY POURED INITIAL LANDINGS.
- ② DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) AT 36" MAXIMUM CENTER TO CENTER MINIMUM 12" SPACING FROM CONSTRUCTION JOINTS. BARS TO BE ADJUSTED TO MATCH RAMP GRADE. BARS TO BE PAID BY EACH.
- ③ DRILL AND GROUT 2 - NO. 4 X 12" LONG (6" EMBEDDED) REINFORCEMENT BARS (EPOXY COATED). REINFORCEMENT REQUIRED FOR ALL CONSTRUCTION JOINTS. BARS TO BE PAID BY EACH.
- ④ THIS CURB LINE REINFORCEMENT DETAIL SHALL BE USED ON BITUMINOUS ROADWAYS. FOR CONCRETE ROADWAYS, SEE NOTE 6.
- ⑤ CONSTRUCT WITH EXPANSION MATERIAL PER MNDOT SPECIFICATION 3702 TYPES A-E. EXPANSION MATERIAL SHALL MATCH FULL HEIGHT OF ADJACENT CONCRETE.
- ⑥ USE AN APPROVED TYPE F (1/4 INCH THICK) SEPARATION MATERIAL. SEPARATION MATERIAL SHALL MATCH FULL HEIGHT DIMENSION OF ADJACENT CONCRETE.

REVISION:

APPROVED: 11-04-2021

Jeffrey Perkins
OPERATIONS DIVISION



STANDARD PLAN 5-297.2506 OF 6

THOMAS STYRBICKI
STATE DESIGN ENGINEER

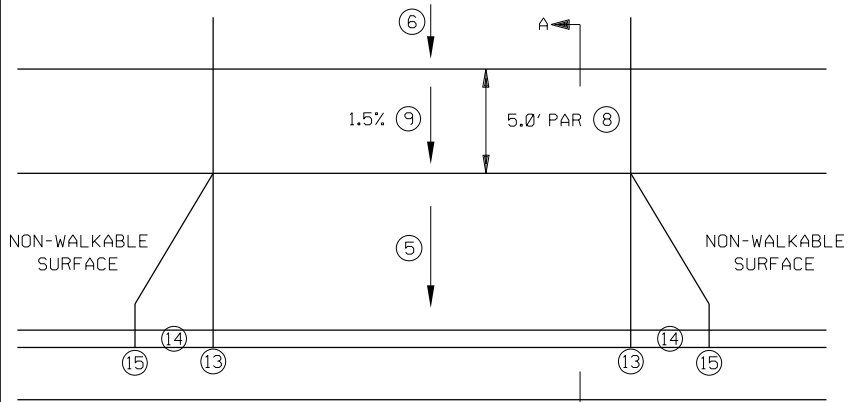
APPROVED: 11-04-2021
REVISED:

PEDESTRIAN CURB RAMP DETAILS

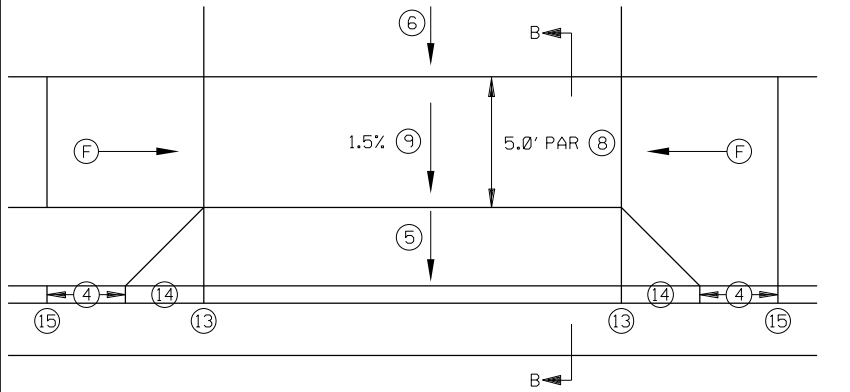
STATE PROJ. NO. 196-090-002

SHEET NO. 17 OF 64 SHEETS

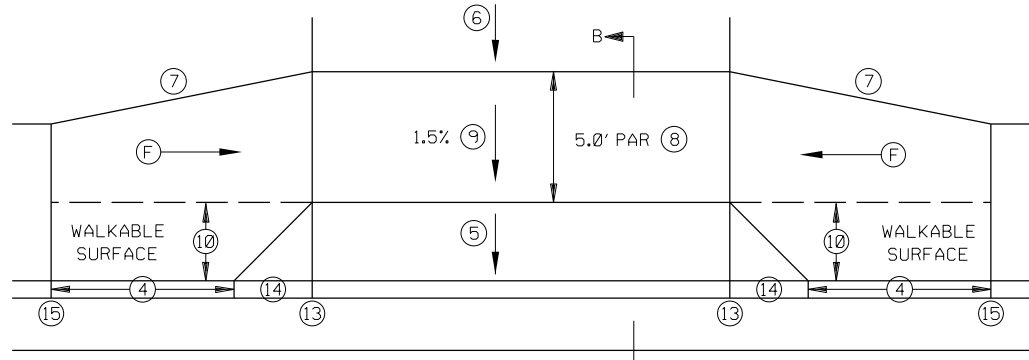
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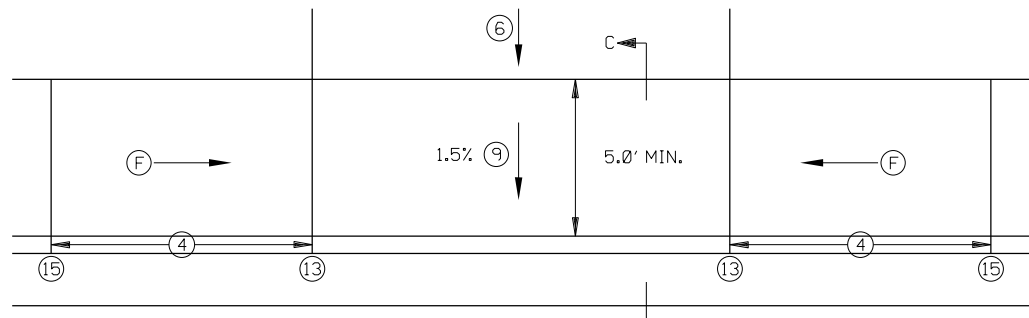
PERPENDICULAR DRIVEWAY ①



TIERED PERPENDICULAR DRIVEWAY ②



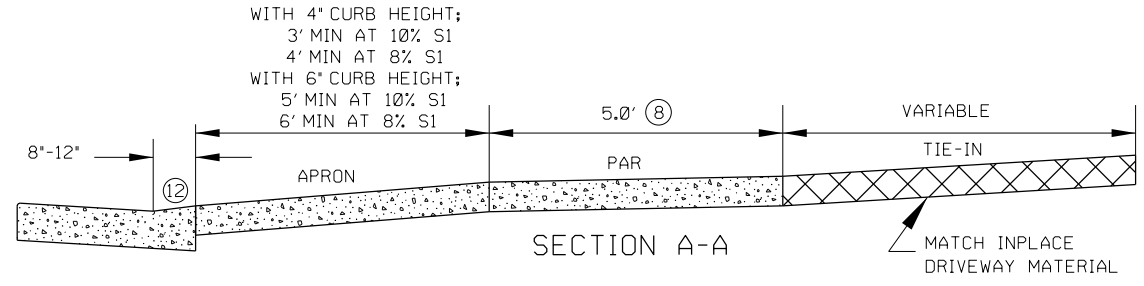
TIERED PERPENDICULAR OFFSET DRIVEWAY ②



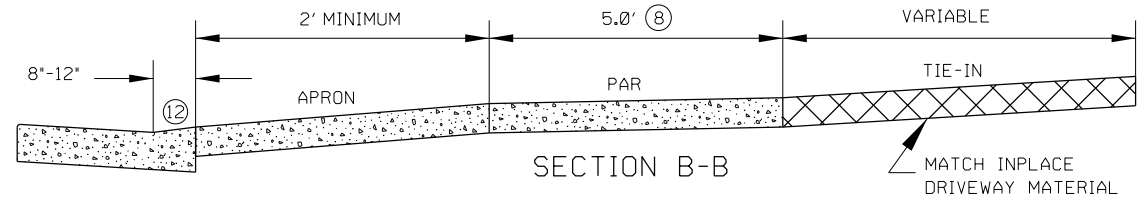
PARALLEL DRIVEWAY ③

LEGEND	
(F)	INDICATES DRIVEWAY RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%.

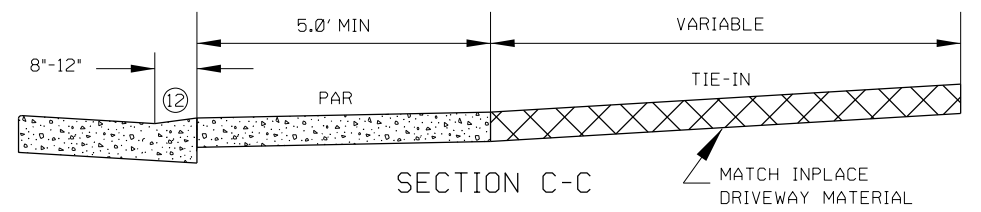
- NOTES:
- ALL SIDEWALK AND BOULEVARD WIDTHS SHALL BE MEASURED FROM BACK OF CURB.
- IN URBAN ROADWAY SECTIONS, 6" CURB HEIGHT SHOULD BE USED WHEN 6' OR GREATER BOULEVARD WIDTH IS PROPOSED. WHEN BOULEVARD IS LESS THAN 6' WIDE, 4" CURB HEIGHT SHOULD BE USED.
- MAINTAIN EXISTING DRAINAGE PATTERNS FLOWING TO PUBLIC RIGHT OF WAY.
- ACQUIRE ADEQUATE L3 TO ALLOW FOR A CONTINUOUS PAR PROFILE (UNIFORM TYPICAL SIDEWALK SECTION) THROUGH THE DRIVEWAY APRON.
- IN NO CASE SHALL SIDEWALK PROFILES EXCEED 5.0%, EXCEPT SIDEWALK PROFILES CAN MATCH ROADWAY GRADE IF ROADWAY GRADE IS GREATER THAN 5.0%. RAMP FOR DRIVEWAYS ARE REQUIRED TO FOLLOW THE ABOVE SIDEWALK CRITERIA.
- CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PEDESTRIAN ACCESS ROUTE (PAR). 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES.
- DRIVEWAY TYPES FROM MOST PREFERRED TO LEAST PREFERRED ARE AS FOLLOWS: PERPENDICULAR, TIERED PERPENDICULAR, TIERED PERPENDICULAR OFFSET & PARALLEL.
- PERPENDICULAR DRIVEWAYS ARE THE STANDARD AND STARTING POINT FOR ALL DRIVEWAY DESIGN AND CONSTRUCTION. SHOULD BE USED TO ACHIEVE CONTINUOUS PAR PROFILE THROUGH THE DRIVEWAY. OBTAINING A PERPENDICULAR DRIVEWAY DESIGN BECOMES MORE CRITICAL WITH STEEP ROADWAY PROFILES.
 - TO BE USED WHEN PERPENDICULAR DRIVEWAY DESIGN CANNOT BE ACHIEVED, THE DRIVEWAY PAR IS BELOW ROADWAY CURB HEIGHT. THIS DRIVEWAY TYPE CAN BE USED FOR BOTH PAVED (AS SHOWN) AND GRASS BOULEVARDS.
 - TO BE USED WHEN PERPENDICULAR AND TIERED PERPENDICULAR DRIVEWAY DESIGN CANNOT BE ACHIEVED. CAN BE USED FOR STEEP NEGATIVE SLOPED DRIVEWAYS. DW CURB TYPE 2 SHOULD BE USED TO RAISE PAR ABOVE GUTTER AND REDUCE "ROLLER COASTER" EFFECT. 4" HIGH ROADWAY CURB SHOULD BE USED TO REDUCE "ROLLER COASTER" EFFECT ESPECIALLY WHEN MULTIPLE DRIVEWAYS ARE PRESENT.
 - TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.
 - 8% STANDARD, 10% MAX. FOR COMMERCIAL AND 12% MAX. FOR RESIDENTIAL. SEE GENERAL NOTES ON SHEET 2 FOR MORE INFORMATION.
 - S3 8% MAXIMUM, IF THE SLOPE IS EXCEEDED OR CONTINUED FOR MORE THAN 5', ANALYZE VEHICLE TEMPLATES FOR VERTICAL CLEARANCE. IF EXISTING DRIVEWAY IS NEGATIVELY DRAINING, S3 CAN BECOME SLIGHTLY MORE NEGATIVE TO ACHIEVE PERPENDICULAR DRIVEWAY DESIGN IF THE VERTICAL CLEARANCE IS ACHIEVED IN VEHICLE TEMPLATES.
 - 1:3 MIN. 1:5 PREFERRED FOR DRIVEWAY RETROFIT PROJECTS. 1:10 PREFERRED FOR SIDEWALK REPLACEMENT PROJECTS.
 - 5.0' MIN. PAR WIDTH IS THE STANDARD THROUGH DRIVEWAYS. IF FEASIBLE WIDEN DRIVEWAY PAR WIDTH TO MATCH APPROACHING SIDEWALK PAR WIDTHS. IN VERTICALLY CONSTRAINED AREAS PAR WIDTHS CAN INCREMENTALLY BE REDUCED TO 4.5' OR 4' MIN AFTER ALL OTHER OPTIONS HAVE BEEN APPLIED.
 - THE PEDESTRIAN ACCESS ROUTE, MAY NOT EXCEED 0.02 FT./FT. AS CONSTRUCTED.
 - SIDEWALK OFFSET TO BE LESS THAN OR EQUAL TO HALF THE APPROACHING SIDEWALK WIDTH.
 - INTEGRAL DRIVEWAY APRON TO BE POURED MONOLITHICALLY/INTEGRAL WITH THE CURB AND GUTTER. SEE SHEET 2 FOR MORE INFORMATION.
 - SEE SHEET 2 FOR CURB TYPE INFORMATION.
 - 0" CURB IS AT FLOW LINE. SEE DRIVEWAY TABLE FOR BACK OF CURB HEIGHTS.
 - 3' LONG AT 8-10% PREFERRED FOR INITIAL CURB TAPER. REDUCE CURB TAPER SLOPE IF NECESSARY TO MATCH ADJACENT SIDEWALK GRADES.
 - MATCH FULL CURB HEIGHT.
 - 1:2 TAPER RATE ON INTEGRAL DRIVEWAY APRONS.
 - SEE SHEET 4 FOR WHEN 6" WALK IS REQUIRED.



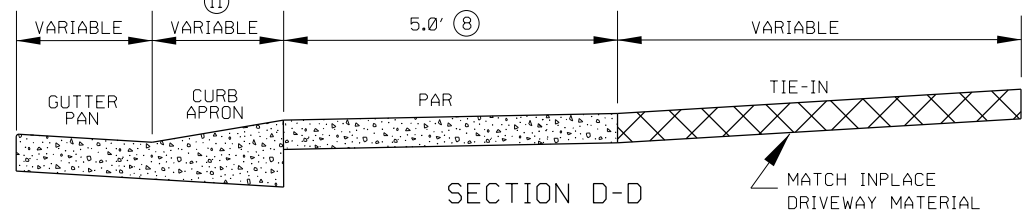
SECTION A-A



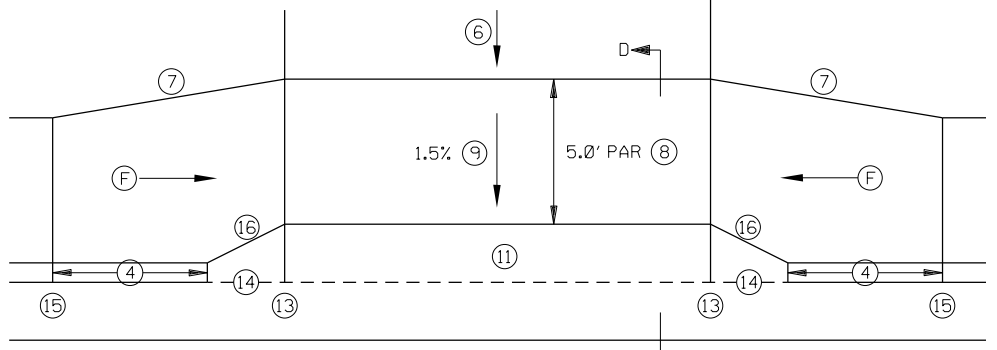
SECTION B-B



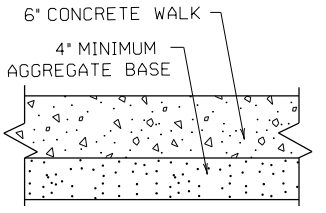
SECTION C-C



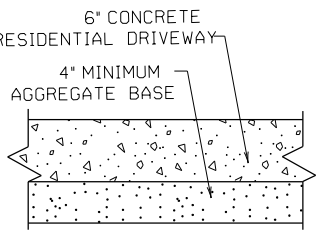
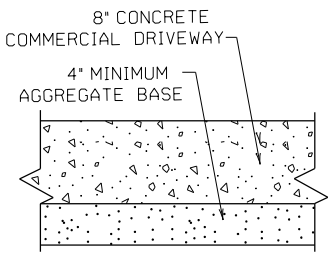
SECTION D-D



INTEGRAL DRIVEWAY APRON



TYPICAL SIDEWALK SECTION ⑦



TYPICAL DRIVEWAY SECTIONS

REVISION:
APPROVED: 11-04-2021
Jeffrey J. Perkins
JEFFREY PERKINS
OPERATIONS DIVISION

m MINNESOTA DEPARTMENT OF TRANSPORTATION	STANDARD PLAN 5-297.2541 OF 4 <i>Tom Styrbicki</i> THOMAS STYRBICKI STATE DESIGN ENGINEER	APPROVED: 11-04-2021 REVISED:
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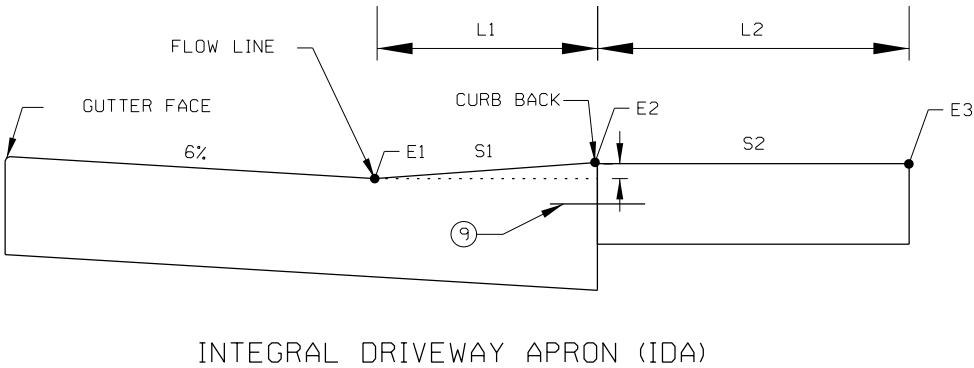
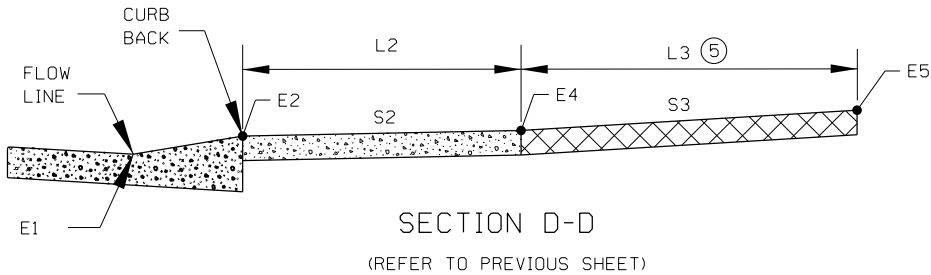
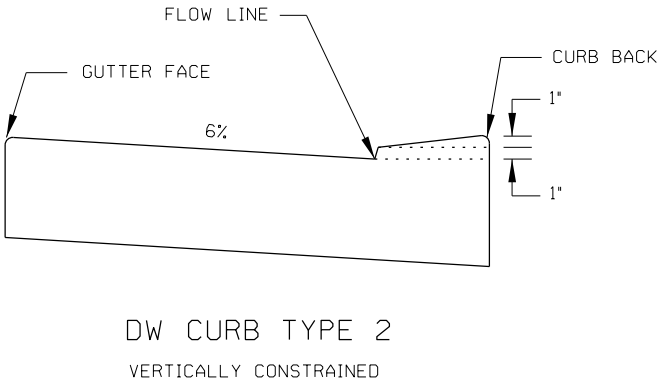
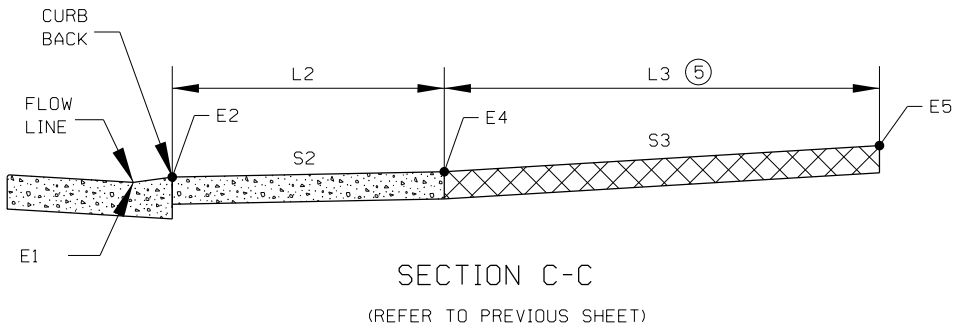
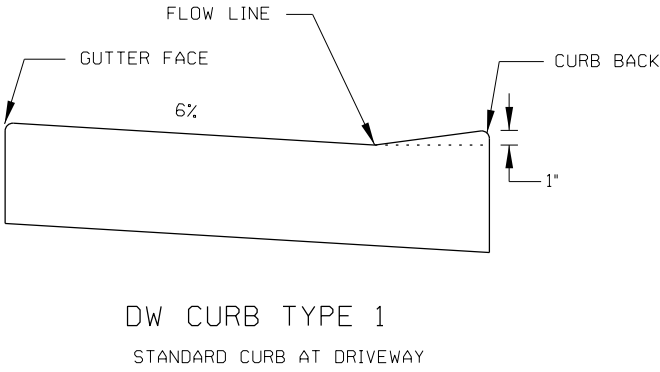
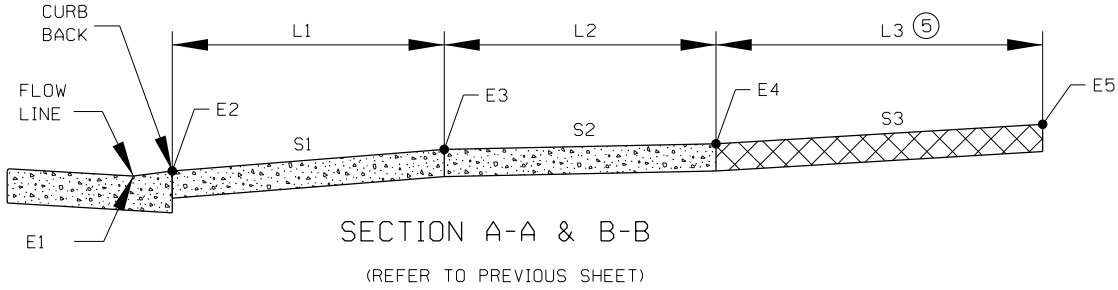
DRIVEWAY AND SIDEWALK DETAILS

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DRIVEWAY TABLE ①																
STATION	SIDE	DRIVEWAY TYPE ②	CURB TYPE ③	E1	E2	L1	S1	E3	L2	S2 ④	E4	L3 ⑤	S3	EXISTING ⑥	E5	COMMENTS
						FT	%		FT	%		FT	%	%		

NOTES:

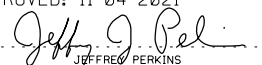
- ALL SIDEWALK AND BOULEVARD WIDTHS SHALL BE MEASURED FROM BACK OF CURB.
- DW CURB TYPE 1 SHALL BE USED WHEN THE DRIVEWAY ACTS AS A PEDESTRIAN RAMP. THE MAX. APRON SLOPE MUST ADHERE TO ADA CRITERIA AS WELL. DW CURB TYPE 1 SHOULD BE USED IF THERE IS ON STREET PARKING.
- WHERE ROADWAY DRAINAGE IS A CONCERN (NEGATIVE SLOPED APRON) DW CURB TYPE 2 CAN BE USED TO HELP KEEP THE WATER ON PUBLIC RIGHT OF WAY.
- S1 8% STANDARD, 10% MAX. COMMERCIAL AND 12% MAX. RESIDENTIAL. IF EXISTING GRADES ARE STEEPER DO NOT MAKE GRADES APPRECIABLY WORSE BY USING BEST PRACTICES SUCH AS DRIVEWAY CURB HEIGHTS, EXTENDING L3 AND/OR STEEPEN S3.
- S3 8% MAXIMUM, IF THIS SLOPE IS EXCEEDED OR CONTINUED FOR MORE THAN 5', ANALYZE VEHICLE TEMPLATES FOR VERTICAL CLEARANCE. SEE FACILITY DESIGN GUIDE, CHAPTER 6, FOR GEOMETRIC DESIGNS OF DRIVEWAYS.
- ① EXAMPLE SHOWN TO BE INCLUDED IN PLAN FOR EACH DRIVEWAY THAT HAS PAR THROUGH IT.
- ② REFERS TO THE FOLLOWING TYPES; PERPENDICULAR DRIVEWAY, TIERED PERPENDICULAR OFFSET DRIVEWAY, TIERED PERPENDICULAR DRIVEWAY, PARALLEL DRIVEWAY, AND INTEGRAL DRIVEWAY APRON.
- ③ DW CURB TYPE 1 IS THE STANDARD AND SHALL BE THE STARTING POINT FOR ALL PERPENDICULAR AND TIERED DRIVEWAYS. DW CURB TYPE 2 SHALL ONLY BE USED AFTER UTILIZING BEST PRACTICES SUCH AS MAXIMIZING S1, S3, AND L3.
- ④ SHOULD BE DESIGNED AT 1.5%.
- ⑤ ACQUIRE ADEQUATE L3 TO ALLOW FOR CONTINUOUS PAR PROFILE (UNIFORM SIDEWALK SECTION) THROUGH THE DRIVEWAY APRON.
- ⑥ PROVIDE INPLACE TIE-IN SLOPE INFORMATION AT BACK OF PROPOSED WALK (S3 AREA).
- ⑦ INFORMATION TO BE INCORPORATED INTO DRIVEWAY TABLE WHEN INTEGRAL DRIVEWAY APRON IS USED. OTHER CURB HEIGHTS & CURB APRON LENGTHS CAN BE USED.
- ⑧ L1 & S1 FOR INTEGRAL DRIVEWAY APRON IS TO FLOWLINE. 12.5% IS MAXIMUM PREFERRED SLOPE.
- ⑨ TIE ADJACENT SECTIONS. CONCRETE DRIVEWAY APRON AND CONCRETE DRIVEWAY SIDEWALK SHALL BE CONSTRUCTED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. DRILL AND GROUT OR CAST IN-PLACE THROUGH HOLES IN THE FORMS NO. 4 X 12" LONG TIE BARS (EPOXY COATED). 36" MAXIMUM SPACING WITH 2" MINIMUM CONCRETE COVER PLACED 1' MINIMUM FROM ADJACENT CONSTRUCTION JOINT.



TYPICAL INTEGRAL DRIVEWAY APRON ⑦			
CURB TYPE	L1	E2	S1 ⑧
	FT		%
IDA 216	1.33	+0.16	12.5
IDA 220	1.67	+0.16	10
IDA 324	2	+0.24	12.5
IDA 432	2.67	+0.33	12.5

REVISION:

APPROVED: 11-04-2021


JEFFREY PERKINS
OPERATIONS DIVISION



STANDARD PLAN 5-297.2542 OF 4


THOMAS STYRBICKI
STATE DESIGN ENGINEER

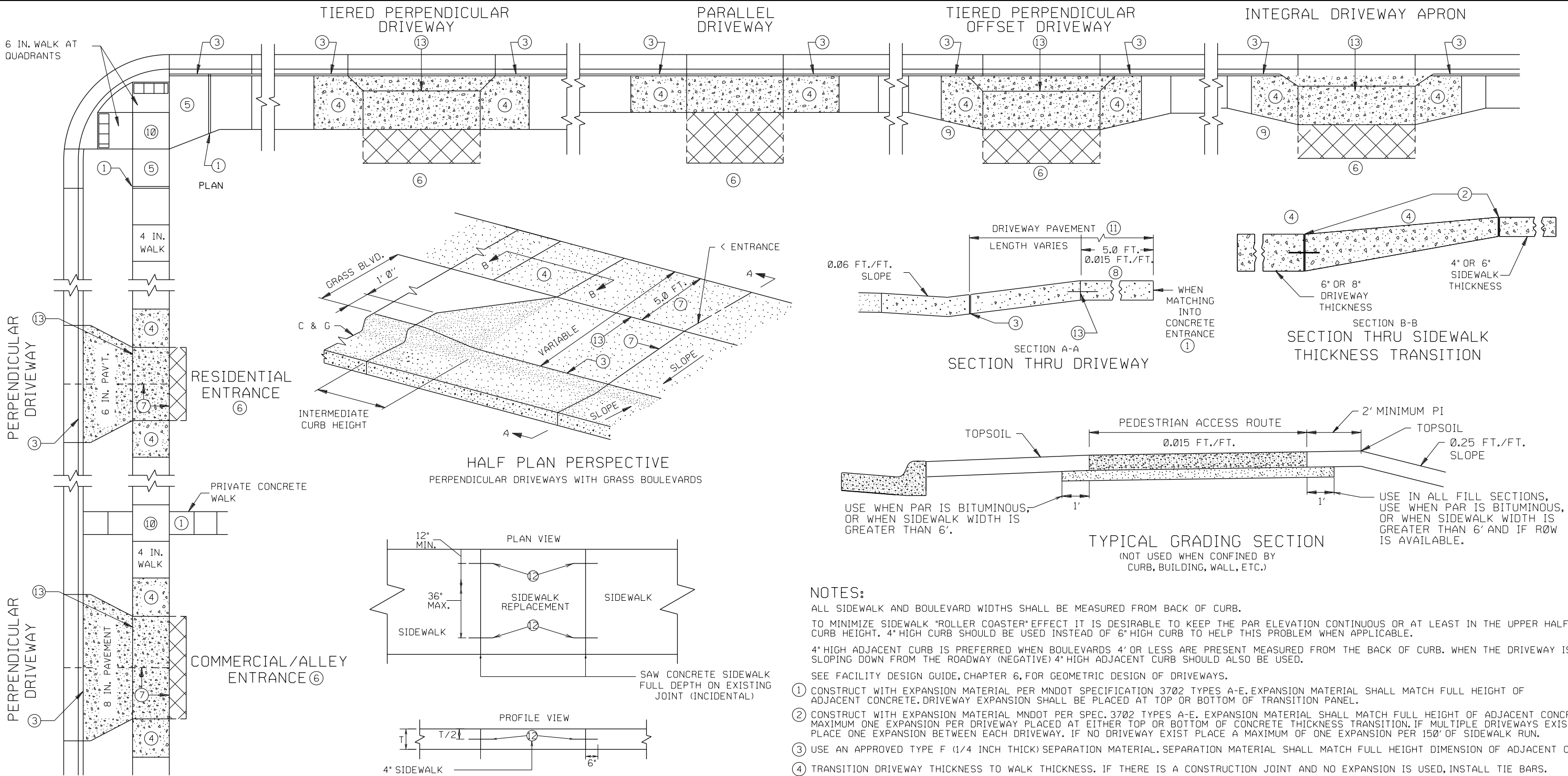
APPROVED: 11-04-2021
REVISED:

DRIVEWAY AND SIDEWALK DETAILS

STATE PROJ. NO. 196-090-002

SHEET NO. 19 OF 64 SHEETS

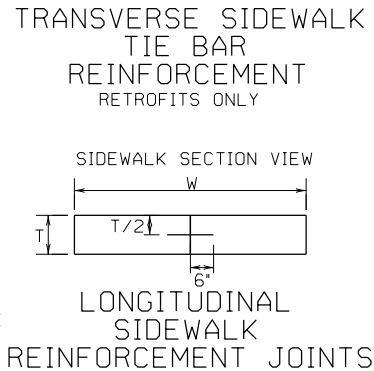
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abby.williams 2/19/2024



SIDEWALK LONGITUDINAL JOINT TIE BAR TABLE				
SIDEWALK WIDTH, W	SIDEWALK THICKNESS, T	TIE BAR SIZE	LENGTH	SPACING
> 7'	4"	No. 4	12"	24"
>10'	6"	No. 4	12"	36"

FOR 4" CONCRETE ONLY: CAST IN PLACE BARS MUST BE SUPPORTED WITH P-STAKES OR REINFORCEMENT BASKETS FOR FULL WIDTH CONCRETE PLACEMENTS.

FOR 6" CONCRETE ONLY: DRILL AND GROUT OR CAST IN PLACE THROUGH HOLES IN THE FORMS REQUIRED FOR STAGED ADJACENT CONCRETE PLACEMENTS.



REVISION: 12-23-2021

APPROVED: 11-04-2021

Jeffrey J. Perkins
JEFFREY PERKINS
OPERATIONS DIVISION



STANDARD PLAN 5-297.254 OF 4

THOMAS STYRBICKI
STATE DESIGN ENGINEER

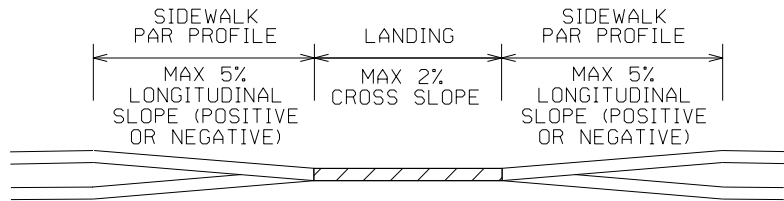
APPROVED: 11-04-2021
REVISED: 12-23-2021

STATE PROJ. NO. 196-090-002

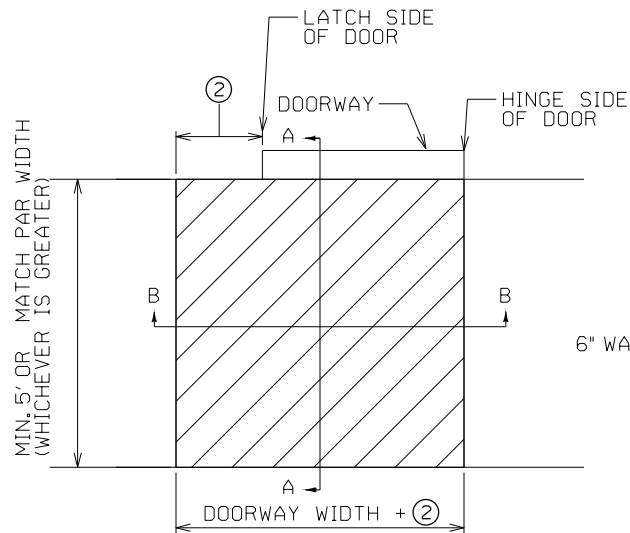
DRIVEWAY AND SIDEWALK DETAILS

SHEET NO. 20 OF 64 SHEETS

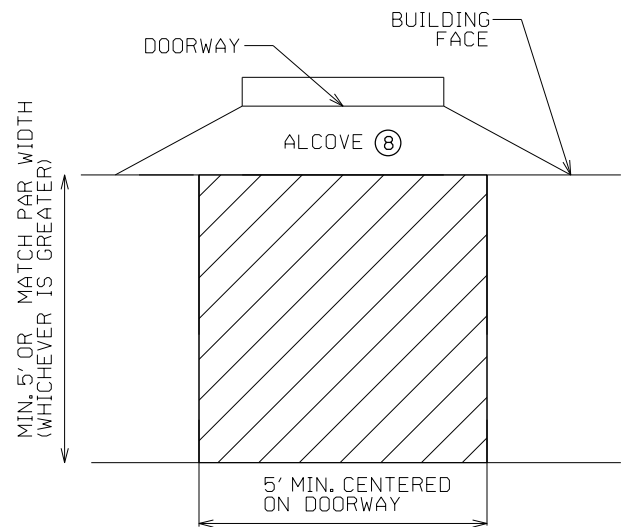
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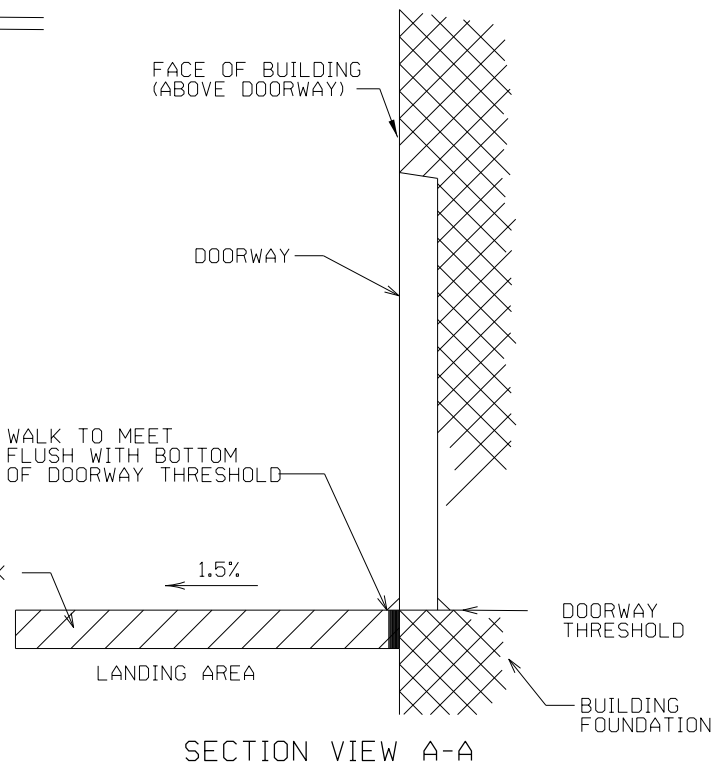
SECTION VIEW B-B



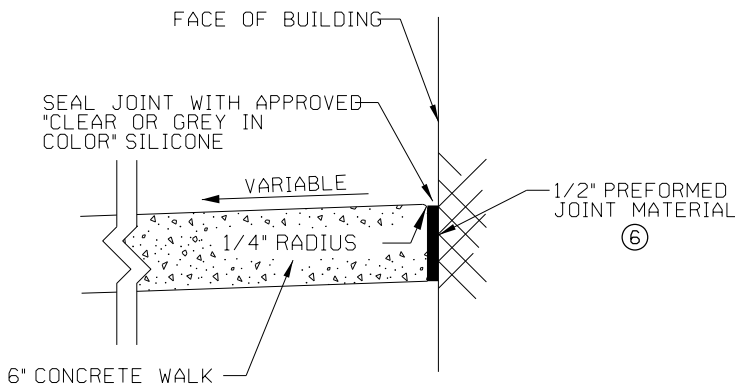
PLAN VIEW DOORWAY



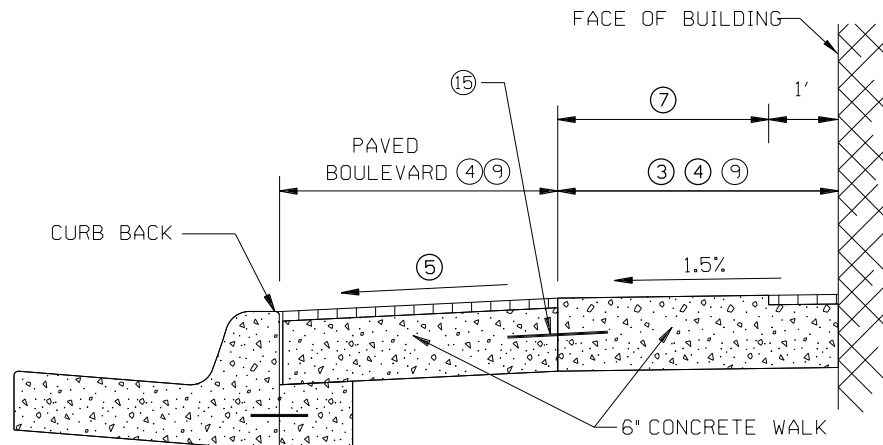
PLAN VIEW DOORWAY WITH ALCOVE
SIDEWALK LANDING REQUIREMENTS①



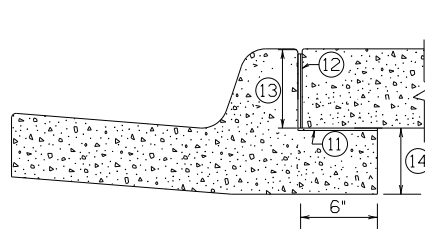
SECTION VIEW A-A



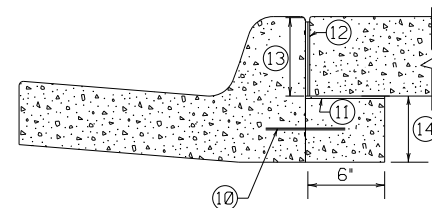
BUILDING JOINT SEAL (INCIDENTAL)



DOWNTOWN SIDEWALK TYPICAL SECTION



SLIP FORM SILL



FIXED FORM SILL

SILL CURB SHOULD BE USED AT ALL LOCATIONS WHEN CONCRETE WALK IS AT BACK OF CURB, INCLUDING PAVED BOULEVARD.
SILL CURB SHALL NOT BE USED IN CURB RAMP AND DRIVEWAY AREAS, INCLUDING CONCRETE FLARES.
SILL CURB WITH 4" WALK CAN USE FIXED OR SLIP FORM OPTIONS.

NOTES:

- 6" WALK IS REQUIRED:
1) IN ALL SIDEWALK LOCATIONS WHERE VARIABLE SLOPED CONCRETE BOULEVARDS ARE PAVED, SUCH AS COMMERCIAL (STORE FRONT, DOWNTOWN) AREAS.
2) ANYTIME DRILL AND REINFORCEMENT IS USED TO TIE LONGITUDINAL JOINTS TOGETHER.
3) TO ELIMINATE LONGITUDINAL JOINT WHEN INCREASING PANEL SIZE OVER 36SF.
4) AT LOCATIONS WHERE MAINTENANCE EQUIPMENT WILL SUBJECT CONCRETE TO HEAVY LOADS.
- ALL SIDEWALK AND BOULEVARD WIDTHS SHALL BE MEASURED FROM BACK OF CURB.
FIELD ADJUST SIDEWALK PROFILES TO MEET ALL DOORWAY THRESHOLDS.
SIDEWALK MUST MAINTAIN POSITIVE DRAINAGE AWAY FROM THE BUILDING TO THE ROADWAY.
SEE SPECIAL PROVISIONS FOR SILICONE SPECIFICATIONS.
- ① LANDING CRITERIA IS REQUIRED FOR ALL DOORS, STEPS, AND PRIVATE WALKS. FEASIBILITY DECREASES WITH NARROWER BOULEVARDS AND STEEPER SIDEWALK PROFILES.
② 18" MIN. WHEN DOOR SWINGS OUTWARD FROM BUILDING. 12" MIN. WHEN DOOR SWINGS INWARD FROM BUILDING.
③ 6' MIN. PAR REQUIRED WHEN ADJACENT TO BUILDINGS.
④ 2/3 PAR TO 1/3 BOULEVARD SHOULD BE USED WHEN FEASIBLE. HOLD UNIFORM BOULEVARD WIDTH. 4' PREFERRED MINIMUM BOULEVARD.
⑤ 1%-5% FOR THE MAJORITY OF THE BLOCK, WITH EXCEPTIONS UP TO 8% IN CONSTRAINED AREAS.
⑥ CONSTRUCT USING APPROVED EXPANSION MATERIAL PER MNDOT TYPE A-E EXPANSION. LEAVE A MINIMUM 1/2" TOP GAP AND SEAL WITH MNDOT APPROVED SILICONE PER MNDOT SPEC 3722.
⑦ TO MINIMIZE VIBRATION AND ROLLING RESISTANCE, AREA SHALL BE FREE OF PAVERS, STAMPED CONCRETE, AND/OR EXCESSIVE JOINTING.
⑧ 2% MAX. PER BUILDING CODE. IF GREATER THAN 2%, FLATTEN AS FEASIBLE.
⑨ FORM CONTRACTION JOINTS AS NEEDED TO PRODUCE APPROXIMATELY SQUARE PANEL SIZE. CONCRETE PANEL SIZE SHOULD NOT EXCEED 1 1/2' : 1' LENGTH X WIDTH.
⑩ DRILL AND GROUT NO. 4 X 8" LONG TIE BARS (EPOXY COATED). 36" MAXIMUM SPACING BETWEEN BARS WITH 2" MINIMUM CONCRETE COVER PLACED 1' MINIMUM FROM ADJACENT CONSTRUCTION JOINTS. 1' MINIMUM FROM ADJACENT CONCRETE JOINTS. TIE BARS SHALL BE EMBEDDED 4" WITH 2" MINIMUM CONCRETE COVER AND ARE INCIDENTAL TO SILL PLACEMENT.
⑪ FURNISH AND INSTALL THE FULL WIDTH OF THE TOP OF SILL A MINIMUM 2ML THICK POLYTHENE SHEETING.
⑫ USE AN APPROVED TYPE F (1/4" INCH THICK) SEPARATION MATERIAL. SEPARATION MATERIAL SHALL MATCH FULL HEIGHT DIMENSION OF ADJACENT CONCRETE.
⑬ DIMENSION TO BE SAME AS SIDEWALK THICKNESS, 4" MIN.
⑭ 6" WALK: 5" MIN. FOR B424; 7" MIN. FOR B624
4" WALK: 7" MIN. FOR B424; 9" MIN. FOR B624
⑮ DRILL AND GROUT NO. 4 X 12" LONG TIE BARS (EPOXY COATED). 36" MAXIMUM SPACING BETWEEN BARS WITH 2" MINIMUM CONCRETE COVER PLACED 1' MINIMUM FROM ADJACENT CONCRETE JOINTS.



STANDARD PLAN 5-297.2544 OF 4

THOMAS STYRBECK
STATE DESIGN ENGINEER

APPROVED: 11-04-2021
REVISED:

DRIVEWAY AND SIDEWALK DETAILS

STATE PROJ. NO. 196-090-002

SHEET NO. 21 OF 64 SHEETS

PLOTTED/REVISED: \$\$\$@DATE\$\$\$

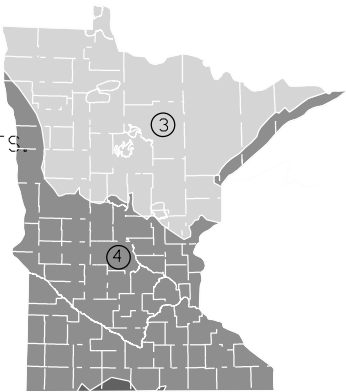
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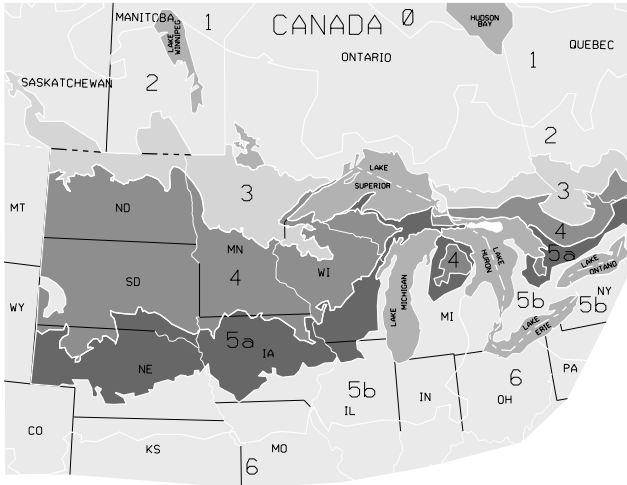
abby.williams 2/19/2024

GENERAL NOTES		
SEE SPECIALPROVISIONSFOR SPECIFIPROJECTREQUIREMENTS.		
REFER TO MnDOT SPECIFICATIONS 2571, 2572, 3861, FOR GENERAL REQUIREMENTS.		
COMPLETEPREPARATORYWORK BEFORESTARTINGINITIALPLANTINGOPERATIONS.		
ACCEPT ALL PLANT STOCK IN ACCORDANCE WITH (MnDOT 3861)PRIOR TO PLANTING.		
THE CONTRACTOR WILL DEMONSTRATECOMPETENCYFOR SOIL CULTIVATION OPERATIONSIN ACCORDANCE WITH (MnDOT 2571.3D.2)		
THE CONTRACTOR WILL DEMONSTRATECOMPETENCYFOR ALL PLANT INSTALLATION OPERATIONS IN ACCORDANCE WITH (MnDOT 2571.3F1)		
RODENT PROTECTION	SEE SPECIALPROVISIONSAND STANDARD PLANTINGDETAILS(3 OF 3)	
FERTILIZER	SEE SPECIALPROVISIONS	
COMPOST	MnDOT 3890 COMPOST GRADE 2 UNLESS OTHERWISE SPECIFIED	
MULCH MATERIAL	MnDOT 3882 MULCH MATERIAL TYPE 6 UNLESS OTHERWISE SPECIFIED	
MASS PLANTING BEDS	PREPAREMASS PLANTINGBEDS FOR PLANTSPLACEDAT 15' OR LESS,UNLESS OTHERWISESPECIFIEDON SHEETS. PLANT BEDS IN STAGGEREDROWS ON THE PERIMETERFIRST,THEN UNIFORMLY FILLIN WITH REMAININGPLANTS.USE TRIANGULARSPACING, UNLESS SPECIFIEDOTHERWISE. PROVIDE 5' RADIUS CLEAR OF SHRUBS AROUND EACH DECIDUOUS TREE AND 8' CLEAR RADIUS AROUND EACH CONIFERTREE. RADIUS WILL BE MEASURED FROM THE CENTER OF THE TREE TO THE CENTER OF THE SHRUB. NOTIFYENGINEEROF GROSS PLANT QUANTITY SURPLUSOR DEFICIENCYIMMEDIATELY. MULCH ENTIREMASS PLANTINGBED. SEE STANDARD PLANTINGDETAILS(3 OF 3)	
PLANTING PLAN DIMENSIONS	STATEDDIMENSIONS SUPERCEDESCALING FROM PLAN.	
WATERING GUIDELINES (MnDOT 2571.3G)	PLANT TYPE	AVERAGE GALLONS OF WATER PER APPLICATION
	MACHINE TRANSPLANTED TREES	50-100
	BALLED AND BURLAPPED TREES	20
	BARE ROOT AND CONTAINER TREES	15
	BALLED AND BURLAPPED SHRUBS	10
	BARE ROOT AND CONTAINER SHRUBS	7
	WOODY SEEDLINGS	4
	PERENNIALS AND VINES	3
	IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR AND MAINTAIN SOIL MOISTURE AT ADEQUATE BUT NOT EXCESSIVE LEVELS. THE AMOUNTS LISTED ABOVE ARE GUIDELINES NOT REQUIREMENTS.	



1. BARE ROOT PERENNIAL MUST BE PLACED IN THE SPRING NO LATER THAN JUNE 1ST OR FOLLOW THE FALL DECIDUOUS PLANTING DATES.
2. ACTUAL DATES MAY CHANGE DEPENDING UPON SEASONAL CONDITIONS, AS DETERMINED BY THE ENGINEER.
3. FALL PLANTING IS NOT ALLOWED FOR BARE ROOT FORM OF THE FOLLOWING SPECIES: HAWTHORN, DOGWOOD, HOPBULAR, HACKBERRY, LINDEN, IRONWOOD, HONEY LOCUST, BIRCH, MOUNTAIN ASH, MAPLE, WILLOW, CRABAPPLE, PLUM/CHERRY, OAKS, AND SUMAC.
4. ALL REPLACEMENT PLANTS MUST BE PLACED DURING THE MONTH OF MAY (SPRING PLANTING) AND SEPTEMBER (FALL PLANTING) DURING THE FIRST YEAR OF THE PLANT ESTABLISHMENT PERIOD.
5. MACHINE MOVED PLANTING DATES WILL BE SPECIFIED IN THE SPECIAL PROVISIONS.

PLANT INSTALLATION PERIOD



ACCEPTABLE ZONES		
ZONES	LEGEND	MIN. TEMP.
3		-34.4 TO -9.0
4		-28.9 TO -39.4
5a		-26.1 TO -28.9

UNACCEPTABLE ZONES		
ZONES	LEGEND	
0, 1, 2, 5b and 6		

FOR ALL PLANT STOCK, DOCUMENT ACCEPTABILITY FOR HARDINESS IN THE MINNESOTA ZONE WHERE THE PROJECT SITE IS LOCATED, AS FOLLOWS:

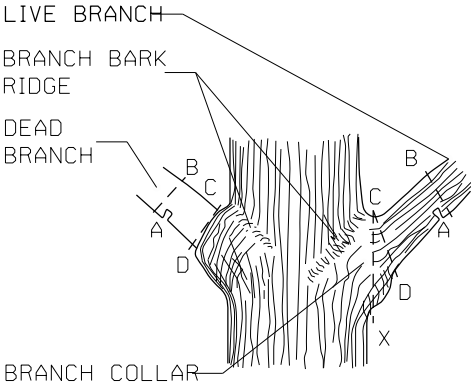
- A. PLANT STOCK CONTINUOUSLY GROWN FOR AT LEAST THE LAST TWO YEARS WITHIN THE ACCEPTABLE LIMITS SHOWN.
- OR
- B. PLANT STOCK, GROWN OUTSIDE THE ACCEPTABLE GROWING RANGE LIMITS, HAVING SEED SOURCE OR ROOT AND GRAFT STOCK ORIGINATING FROM THE ACCEPTABLE LIMITS SHOWN.

ACCEPTABLE PLANT STOCK GROWING RANGE LIMITS

SOURCE: USDA PLANT HARDINESS ZONE MAP (MnDOT 3861.2C)

PLANTING DATES BY ZONE

		3	4
SPRING	DECIDUOUS		
	BARE ROOT	APRIL 21 TO JUNE 1	APRIL 7 TO JUNE 1
	CONTAINER B&B	APRIL 21 TO JUNE 30	APRIL 7 TO JUNE 30
	CONIFEROUS	APRIL 21 TO JUNE 1	APRIL 7 TO MAY 17
	PERENNIALS	MAY 1 TO JUNE 30	MAY 1 TO JUNE 30
FALL	SEEDLINGS	APRIL 21 TO JUNE 1	APRIL 7 TO JUNE 1
	DECIDUOUS		
	BARE ROOT	OCT. 1 TO NOV. 1	OCT. 10 TO NOV. 15
	CONTAINER B&B	AUG. 25 TO OCT. 15	AUG. 25 TO NOV. 1
	CONIFEROUS	AUG. 25 TO SEPT. 15	AUG. 25 TO SEPT. 15
	PERENNIALS	AUG. 25 TO SEPT. 15	AUG. 25 TO SEPT. 15



STEPS TO PRUNING WITH PRUNING SAW:

1. CUT PART WAY THROUGH THE BRANCH AT POINT A.
2. CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
3. AT BRANCH COLLAR CUT FROM POINT C TO D.

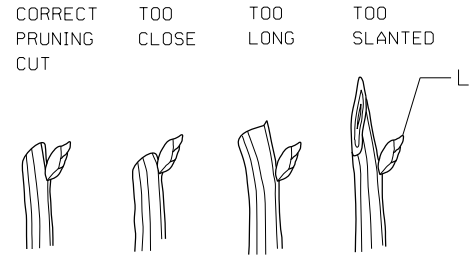
INCORRECT CUT FROM POINT C TO X (TOO CLOSE) WILL RESULT IN DISCONTINUOUS CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

CORRECT CUT FROM POINT C TO D (LEAVING BRANCH COLLAR BUT NOT THE STUB FROM POINT B TO A) WILL RESULT IN CONTINUOUS DOUGHNUT SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

PRUNING NOTES

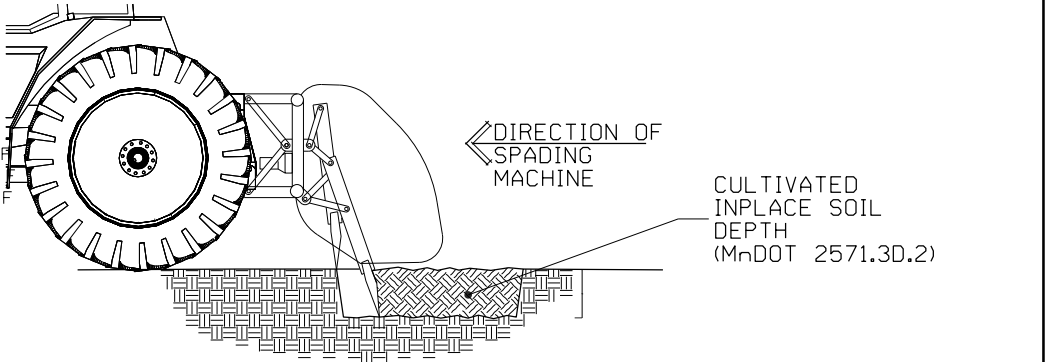
1. PRUNE USING CLEAN AND SHARP SCISSOR TYPE PRUNER OR PRUNING SAW.
2. THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
3. AVOID PRUNING OAKS IN APRIL, MAY, JUNE OR JULY.
4. IF PRUNING IS NECESSARY OR IF WOUNDS OCCUR TO OAK TREES IN APRIL, MAY, JUNE OR JULY, IMMEDIATELY PAINT CUT SURFACE OR WOUND WITH LATEX PAINT OR SHELLAC.

BRANCHES PRUNED AT TRUNK (SHIGO METHOD)

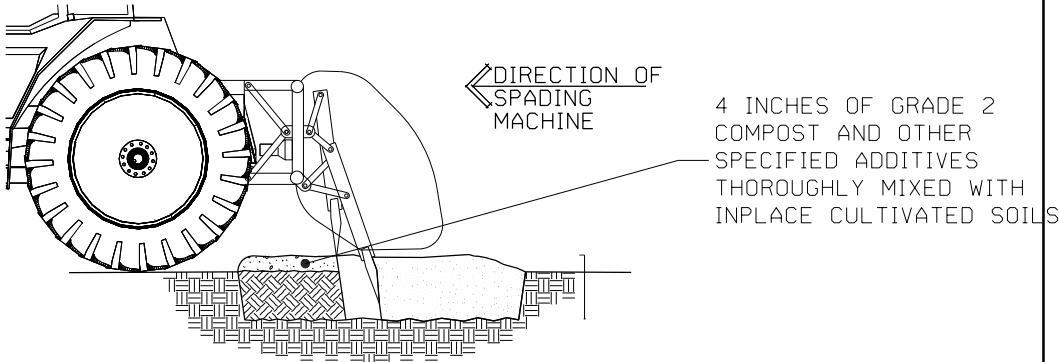


BRANCHES PRUNED TO LIVE BUD

PRUNING



PRIMARY TILLAGE - PASS 1

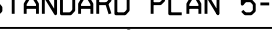


INCORPORATION TILLAGE - PASS 2

PLANTING SOIL

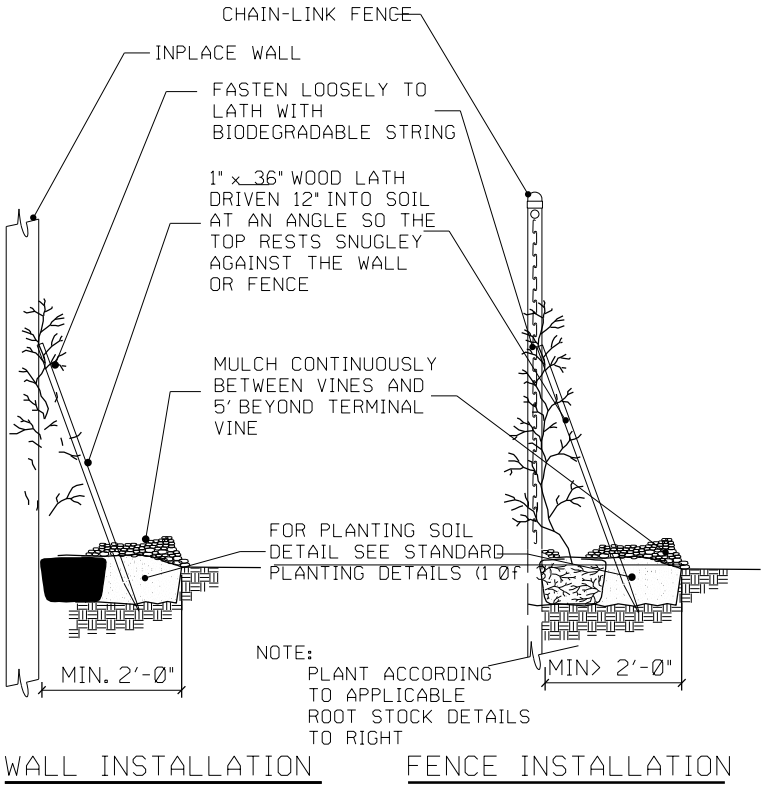
(MnDOT 2571.3D)

REVISION: 02-14-2019
APPROVED: DECEMBER 11, 2015
LYNN CLARKOWSKI CHIEF ENVIRONMENTAL OFFICER

 MINNESOTA DEPARTMENT OF TRANSPORTATION	STANDARD PLAN 5-297.3011 OF 3		STANDARD PLANTING DETAILS		
	 THOMAS STYRBICKI STATE DESIGN ENGINEER	APPROVED: 12-11-2015 REVISED: 02-14-2019			
	STATE PROJ. NO.	196-090-002	SHEET NO. 22 OF 64 SHEETS		

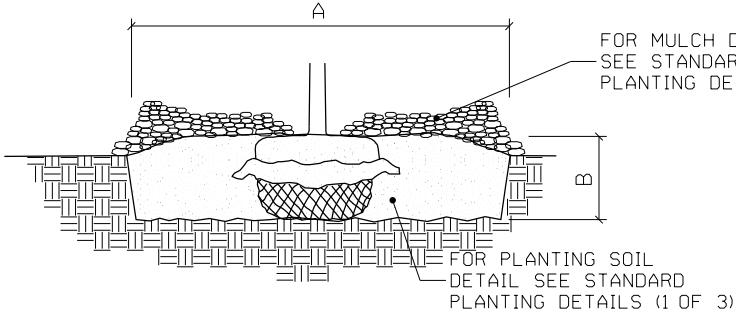
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PLANTINGHOLE DIMENSIONS			
HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLARE TO BOTTOM OF SOIL BALL.			
PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH
DECIDUOUS & ORNAMENTAL TREES	3' B.R.	46"	13"
	4' B.R.	46"	14"
	5' B.R.	48"	14"
	6' B.R.	54"	15"
	7' B.R.	60"	16"
	8' B.R.	66"	19"
	0.75' B.R.	48"	12"
	1' B.R.	54"	14"
	1.25' B.R.	60"	14"
	1.5' B.R.	66"	15"
	1.75' B.R.	72"	16"
	2' B.R.	84"	19"
	4' B.B.	42"	11"
	5' B.B.	48"	12"
	6' B.B.	52"	14"
	8' B.B.	66"	16"
	10' B.B.	66"	16"
	12' B.B.	48"	16"
	1' B.B.	54"	14"
	1.25' B.B.	56"	15"
	1.5' B.B.	61"	15"
	1.75' B.B.	66"	16"
	2' B.B.	72"	16"
	2.5' B.B.	84"	19"
DECIDUOUS SHRUBS, ROSES AND PERENNIALS	3' B.B.	96"	20"
	3.5' B.B.	114"	23"
	4' B.B.	126"	25"
	12' B.R.	24"	7"
	15' B.R.	28"	8"
PERENNIALHOLE DEPTH AND WIDTH SHALL BE BASED UPON ON-CENTER SPACING IN A CONTINUOUS TRENCH.	18' B.R.	30"	8"
	2' B.R.	33"	9"
	3' B.R.	42"	11"
	4' B.B.	48"	12"
	5' B.R.	54"	14"
	6' B.R.	60"	14"
	18' B.B.	27"	7"
	2' B.B.	30"	8"
	3' B.B.	36"	9"
	4' B.B.	42"	11"
	5' B.B.	48"	12"
	6' B.B.	54"	14"



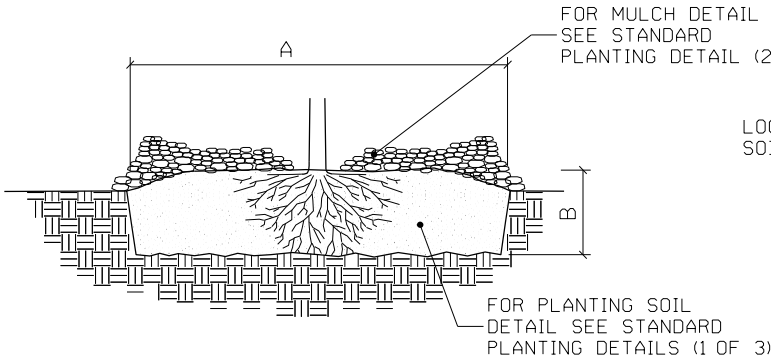
WALL INSTALLATION FENCE INSTALLATION

INSTALLATION OF VINES



1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING.
3. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. PLACE PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT.
4. SLIT REMAINING TREATED BURLAP AT 6" INTERVALS.
5. BACKFILL TO WITHIN APPROXIMATELY 2" OF THE TOP OF THE ROOT BALL, THEN WATER PLANT.
6. REMOVE THE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM THE TOP 1/3 OF THE BALL. REMOVE ALL TWINE. REMOVE OR CORRECT STEM GIRDLING ROOTS.
7. PLUMB AND BACKFILL WITH PLANTING SOIL.
8. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
9. BACK FILL VOIDS AND WATER A SECOND TIME.
10. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

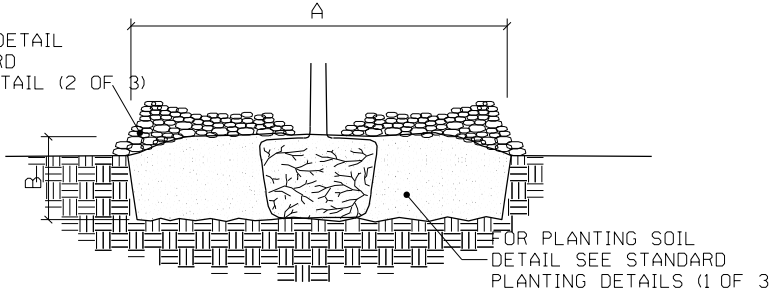
BALLED & BURLAPPED STOCK



1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOM OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACK FILL VOIDS AND WATER A SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

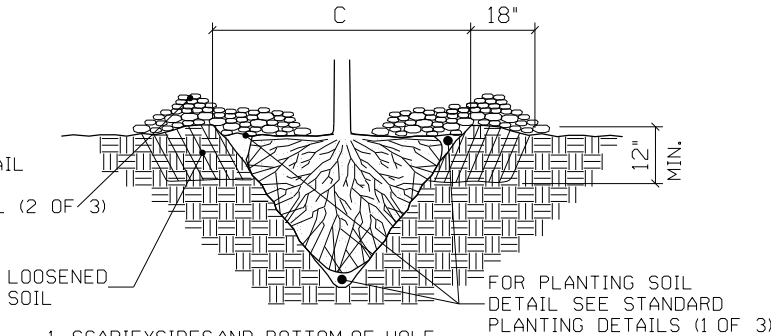
BARE ROOT STOCK

INSTALLATION OF PLANTS



1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING OF TOP AND ROOT.
3. REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS.
4. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE TOP OF THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE.
5. PLUMB AND BACKFILL WITH PLANTING SOIL.
6. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
7. BACK FILL VOIDS AND WATER A SECOND TIME.
8. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

CONTAINER STOCK

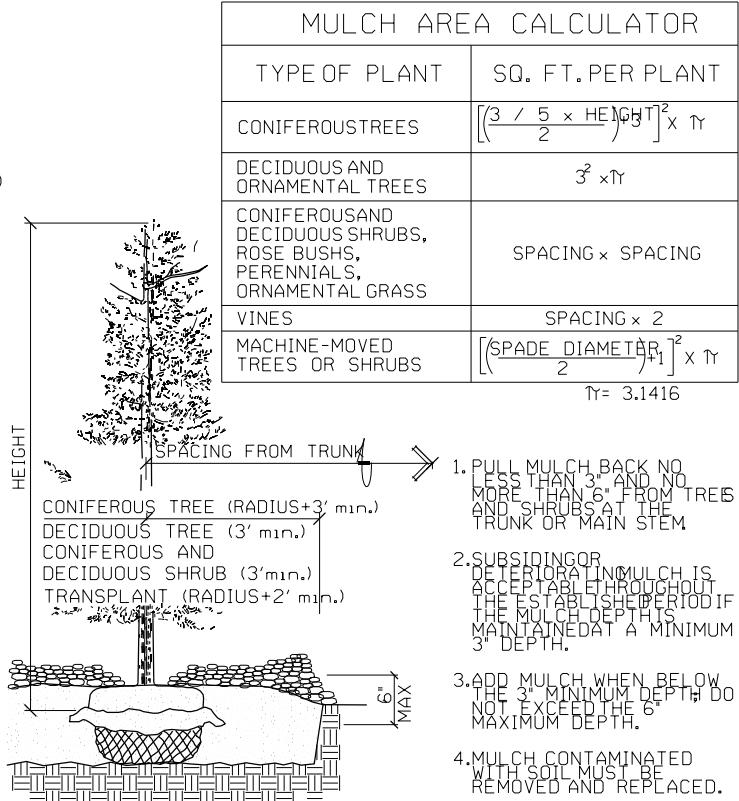


1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING.
3. SET PLANT ON NATIVE SOIL AT SAME DEPTH AS IT WAS PREVIOUSLY GROWN.
4. PLUMB AND BACKFILL WITH PLANTING SOIL.
5. AFTER PLANTING, LOOSEN THE SOIL IMMEDIATELY ADJACENT TO THE ROOT BALL TO A MINIMUM DISTANCE OF 18" AND A MINIMUM DEPTH OF 12".
6. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
7. BACK FILL VOIDS AND WATER A SECOND TIME.
8. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

MINIMUM TREE SPADE SIZE REQUIREMENTS			
(C) SPADE DIAMETER SIZE	OAK TREE, CALIPER	DECIDUOUS / ORNAMENTAL TREE, CALIPER	CONIFEROUS TREE, HEIGHT
42"	1" to 1.5"	2" to 3"	5' to 7'
60"	1.5" to 2.5"	3" to 4"	7' to 9'
78"	2.5" to 3.5"	4" to 6"	9' to 14'
85"	3.5" to 5"	6" to 8"	14' to 18'

MACHINE MOVED STOCK

PLANTINGHOLE DIMENSIONS			
HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLARE TO BOTTOM OF SOIL BALL.			
PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH
CONIFEROUS TREES	2' B.B.	36"	10"
	3' B.B.	42"	11"
	4' B.B.	51"	13"
	5' B.B.	60"	13"
	6' B.B.	66"	15"
	7' B.B.	72"	16"
	8' B.B.	81"	18"
	9' B.B.	90"	20"
	10' B.B.	102"	21"
	12' B.B.	114"	24"
	18' B.B.	24"	7"
	3' B.B.	48"	12"
CONIFEROUS SHRUBS (UPRIGHT)			
CONIFEROUS SHRUBS (SPREADING)	18" SPR B.B.	30"	8"
	2' SPR B.B.	36"	9"
CONTAINER GROWN PLANTS	CELL PACKS / PLUGS	6"	2.5"
	2.25" CONT.	7"	3"
	3.5" CONT.	10"	3"
	4" CONT.	11"	4"
	4.5" CONT.	13"	4"
	6" / 10" CONT.	15"	5.5"
	1" CONT.	18"	6"
	2" CONT.	23"	7.5"
	3" CONT.	29"	8.5"
	5" CONT.	30"	11"
	7" CONT.	37"	11"
	15" CONT.	44"	14"
	10" CONT.	45"	15"
	20" CONT.	60"	16"
	25" CONT.	72"	17"
SEEDLINGS	6" SEEDLING	15"	14"
	9" SEEDLING	18"	14"
	12" SEEDLING	23"	16"
	18" SEEDLING	30"	16"
	2' SEEDLING	36"	18"
VINES	1 YR. MED. B.R.	15"	11"
	1 YR. NO. 1 B.R.	17"	14"
	2 YR. MED. B.R.	33"	12"
	2 YR. NO. 1 B.R.	42"	15"



MULCH

(MnDOT 2571.3F)

(MnDOT 2571.3H)

STANDARD PLANTING DETAILS



STANDARD PLAN 5-297.3012 OF 3

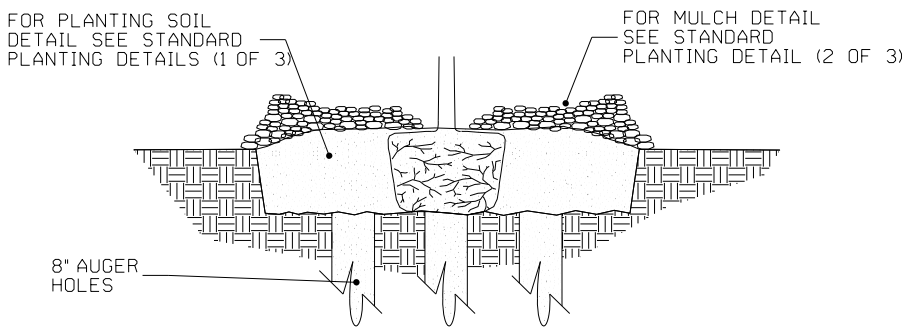
Tom Smith
STATE DESIGN ENGINEER

APPROVED: 12-11-2015
REVISED:

STATE PROJ. NO. 196-090-002

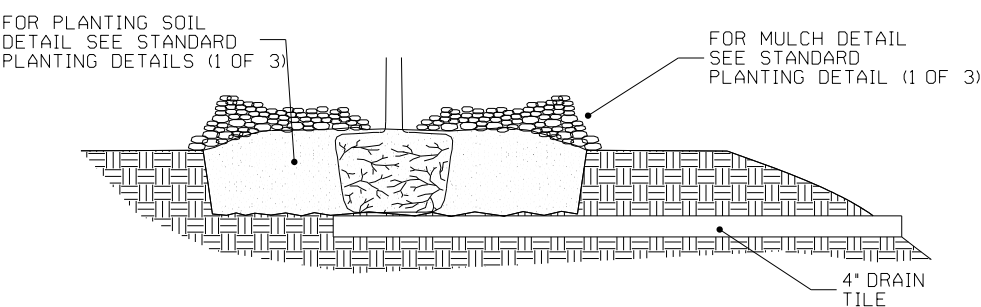
SHEET NO. 23 OF 64 SHEETS

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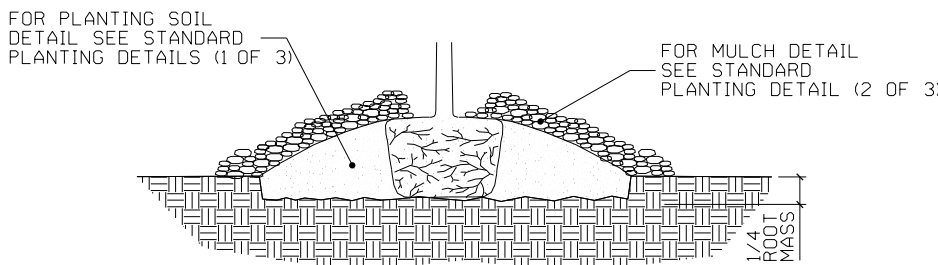
1. EXCAVATE HOLE OR BED TO ALLOW PLACING THE TOP OF ROOT MASS 1"-3" HIGHER THAN FINISHED GRADE.
2. AUGER 8" DIAMETER HOLES ENTIRELY THROUGH IMPERVIOUS OR POORLY DRAINED HARD PAN SOIL LAYER TO ADEQUATELY DRAIN SUBSOIL.
3. TEST FOR POSITIVE DRAINAGE. RE-AUGER AN ADDITIONAL 8" IF NECESSARY FOR POSITIVE DRAINAGE.
4. THOROUGHLY BACKFILL AUGER HOLES WITH A UNIFORM INCORPORATED MIXTURE OF 50% SAND AND 50% IN PLACE SOIL.
5. COMPLETE PLANTING ACCORDING TO ROOT TYPE. SEE STANDARD PLANTING DETAILS (2 OF 3).

GRANULAR FILTER



1. EXCAVATE HOLE OR BED TO ALLOW PLACING THE TOP OF THE ROOT MASS 1"-3" HIGHER THAN FINISHED GRADE.
2. INSTALL 4" MINIMUM DIAMETER DRAIN TILE DAYLIGHTING AT A LOWER GRADE.
3. COMPLETE PLANTING ACCORDING TO ROOT TYPE. SEE STANDARD PLANTING DETAILS (2 OF 3).

TILE DRAINAGE



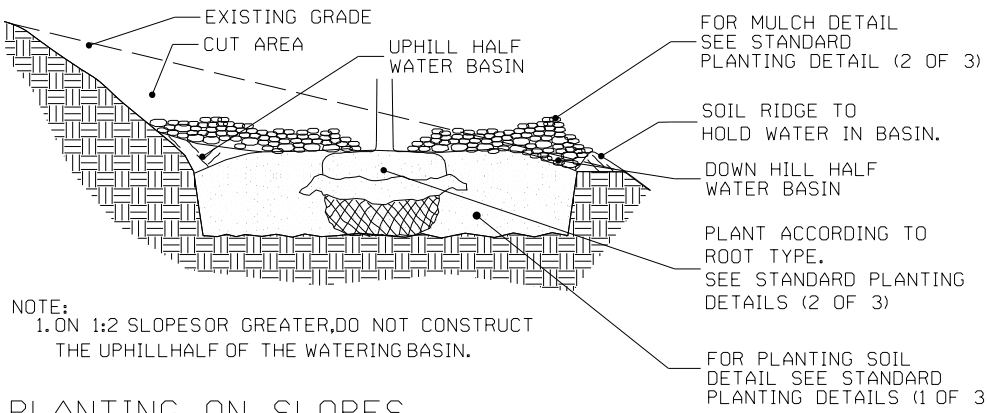
1. EXCAVATE HOLE OR BED 1/4 THE DEPTH OF THE ROOT MASS.
2. SET ROOT MASS IN HOLE.
3. CONSTRUCT BERM WITH PLANTING SOIL. EXTEND THE BERM BASE TO A WIDTH OF 3 TIMES THE BERM HEIGHT.
4. COMPLETE PLANTING ACCORDING TO ROOT TYPE. SEE STANDARD PLANTING DETAILS (2 OF 3).

MINI-BERM

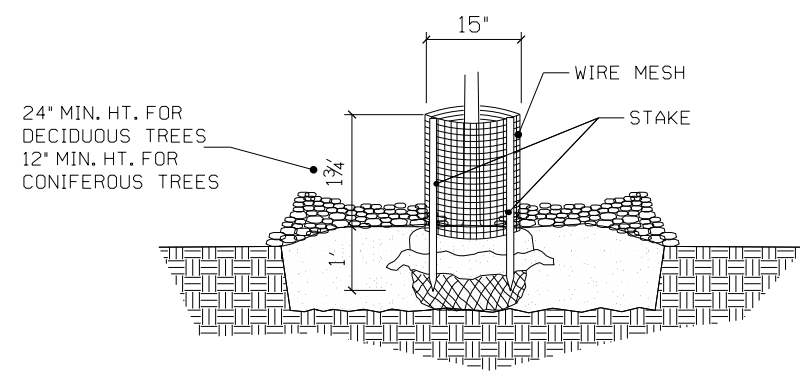
NOTE:
1. THE NEED FOR USING PLANTING DETAILS FOR POORLY DRAINED SOILS AND WHICH TYPE TO USE ARE DETERMINED BY THE CONTRACTOR, SUBJECT TO ENGINEER APPROVAL.

PLANTING DETAIL FOR POORLY DRAINED SOILS

(MnDOT 2571.3D.2(8))



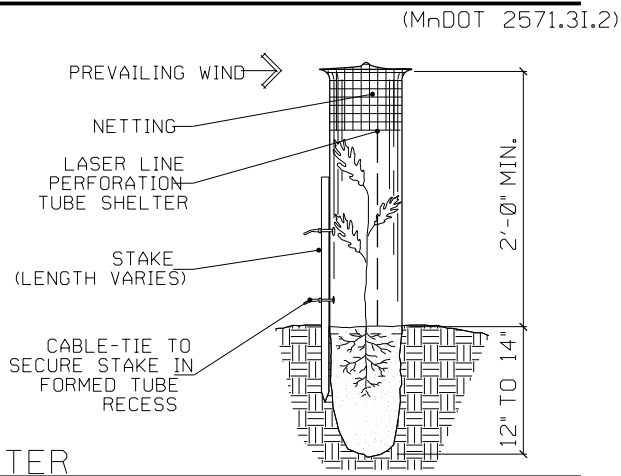
PLANTING ON SLOPES



1. FORM A DOUBLE-LAYERED CYLINDER USING 0.25" GRID GALVANIZED WELDED WIRE MESH (HARDWARE CLOTH). OVERLAP THE CUT END 2".
2. DRIVE TWO 1" x 1" OPPOSING HEARTWOOD WHITE OAK STAKES INTO THE GROUND, 7" FROM THE CENTER OF THE TREE STEM.
3. SECURE THE MESH CYLINDER TO THE OUTSIDE OF THE STAKES USING EITHER SCREWS AND WASHERS OR CABLE TIES ALONG THE OVERLAP. SPACE APPROXIMATELY 4" ON CENTER ALONG THE OVERLAP.
 - a. SCREWS SHALL BE ROUND HEAD GALVANIZED 1/8" DIA. x 3/4" LONG WITH WASHERS.
 - b. CABLE TIES SHALL BE NYLON, AT LEAST 8" LONG AND BETWEEN 75 LB TO 120 LB TENSILE STRENGTH
4. EMBED THE LOWER EDGE OF THE MESH CYLINDER 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.
5. CUT EDGES WILL NOT BE PERMITTED AT THE TOP OF THE CYLINDER. STAKE WILL BE FLUSH WITH THE TOP OF THE CYLINDER.
6. MULCH WITHIN THE CYLINDER SHALL NOT EXCEED 3" DEPTH AND SHALL BE PULLED BACK FROM THE TRUNK AS SPECIFIED ON MULCH PLACEMENT DETAIL.
7. THE BOTTOM WHORL OF PINE AND LARCH BRANCHES MAY HAVE TO BE REMOVED TO PERMIT INSTALLATION OF 12" MIN. HEIGHT RODENT GUARDS.
8. INSTALL ON ALL DECIDUOUS, PINE AND LARCH TREES, DO NOT PLACE ON SPRUCE TREES.

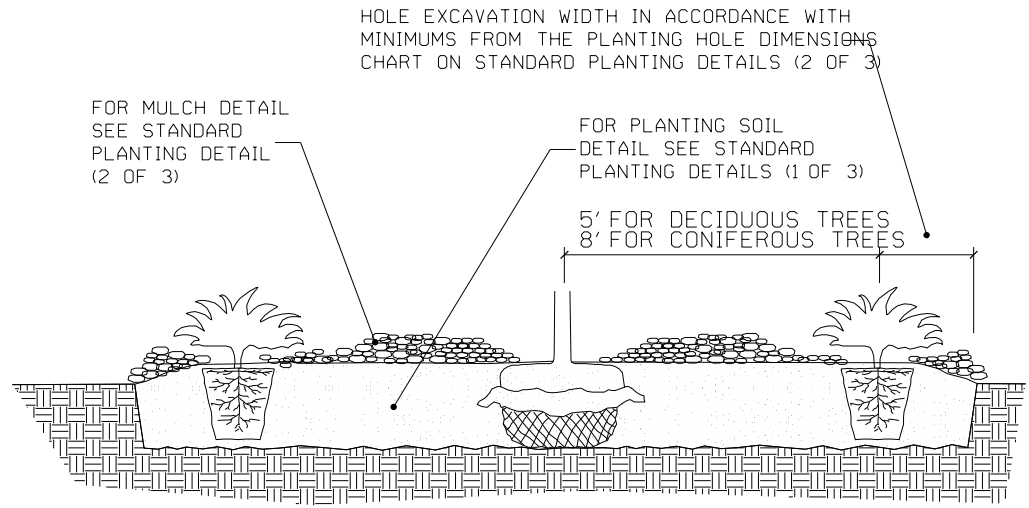
RODENT PROTECTION

1. USE SEAMLESS, EXTRUDED, TWIN-WALL, RIGID AND SEMI TRANSLUCENT POLYPROPYLENE TUBES WITH A LASER LINE PERFORATION AND AN OUTWARD-FLARED TOP RIM.
2. SECURE SHELTER WITH NYLON CABLE TIES ATTACHED TO A 1" x 1" WHITE OAK STAKE TO PREVENT DISLODGING OR TWISTING.
3. EMBED THE BOTTOM OF THE TUBE A MINIMUM OF 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.
4. PLACE A PLASTIC PHOTO DEGRADABLE NETTING COVER AND SLEEVE OVER THE TOP OF THE TUBE. PULL NETTING DOWN AS SHOWN.

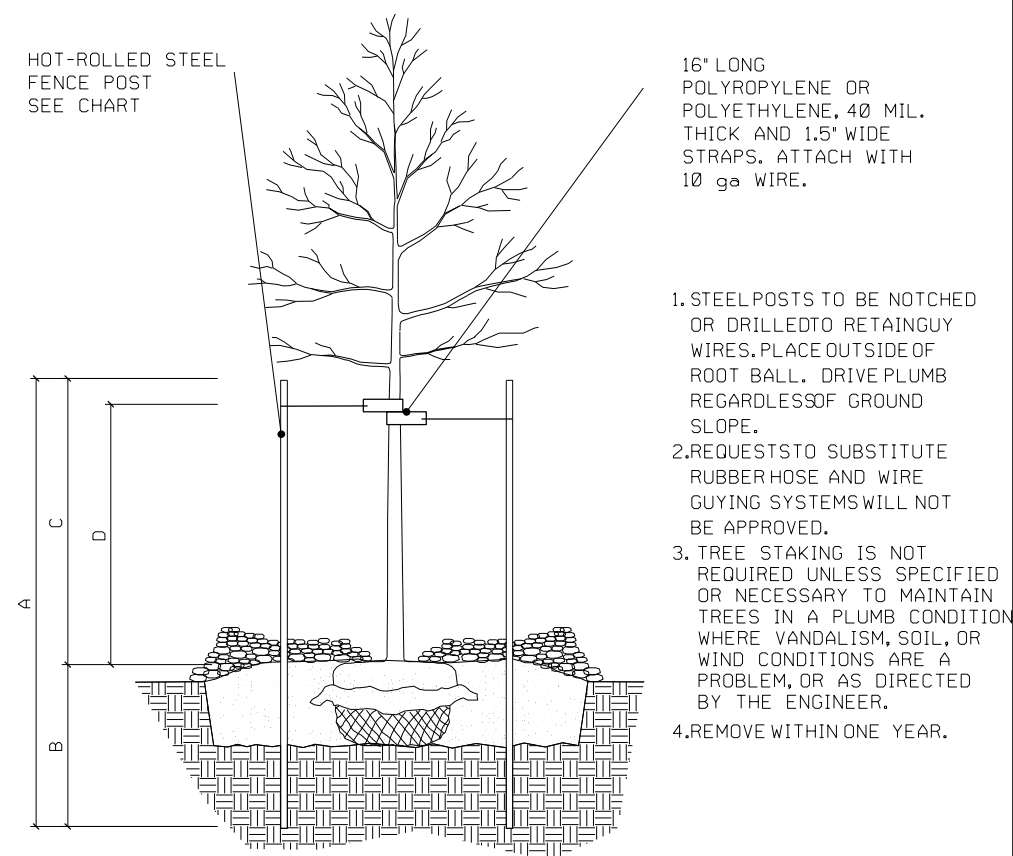


SEEDLING TREE SHELTER

(MnDOT 2571.31.4)



PLANT SPACING IN MASS BEDS



STEEL POST SIZING

CALIPER	STEEL POST TYPE	A	B	C	D
LESS THAN 4 INCHES	HOT-ROLLED STEEL FENCE POST (MnDOT 340.3) OR APPROVED EQUAL.	7'-0"	3'-0" MIN.	4'-0"	3'-0"
GREATER THAN 4 INCHES	10" 2.2 LB. FLANGED CHANNEL SIGN POST (MnDOT 340) OR APPROVED EQUAL.	10'-0"	4'-0" MIN.	6'-0"	5'-0"

STAKING AND GUYING

(MnDOT 2571.31.1)

REVISION:

APPROVED: DECEMBER 11, 2015

Dr. P. Elmer
CHIEF ENVIRONMENTAL OFFICER

MINNESOTA
DEPARTMENT
OF
TRANSPORTATION

STANDARD PLAN 5-297.3013 OF 3

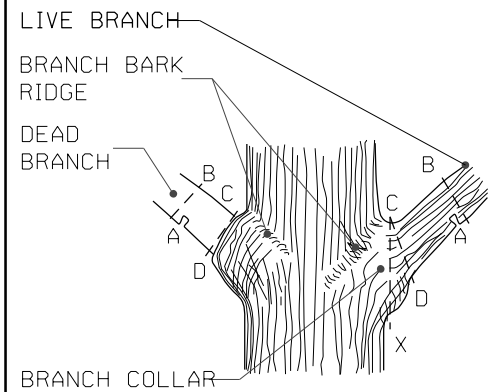
APPROVED: 12-11-2015
REVISED:

STATE PROJ. NO. 196-090-002

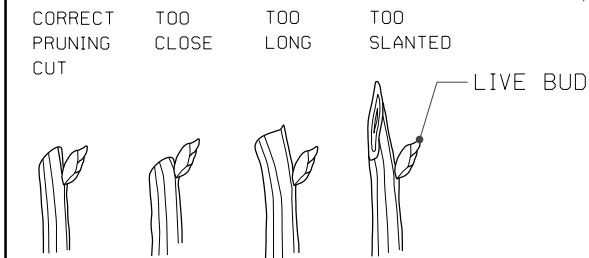
STANDARD PLANTING DETAILS

SHEET NO. 24 OF 64 SHEETS

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BRANCHES PRUNED AT TRUNK
(SHIGO METHOD)



BRANCHES PRUNED TO LIVE BUD
PRUNING

- STEPS TO PRUNING WITH PRUNING SAW:
1. CUT PART WAY THROUGH THE BRANCH AT POINT A.
 2. CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
 3. AT BRANCH COLLAR CUT FROM POINT C TO D.

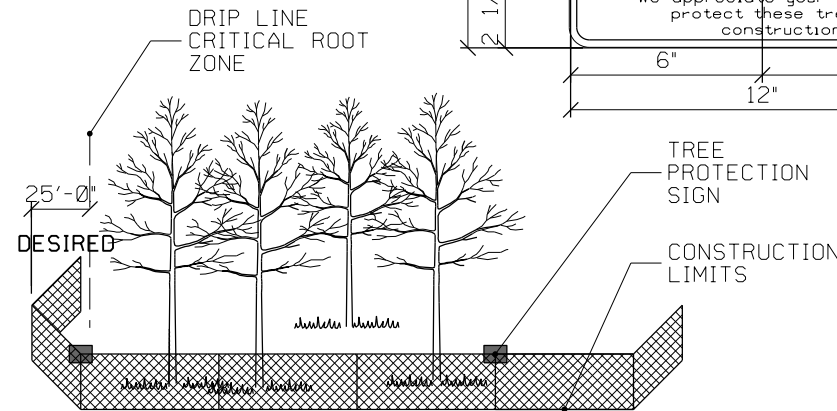
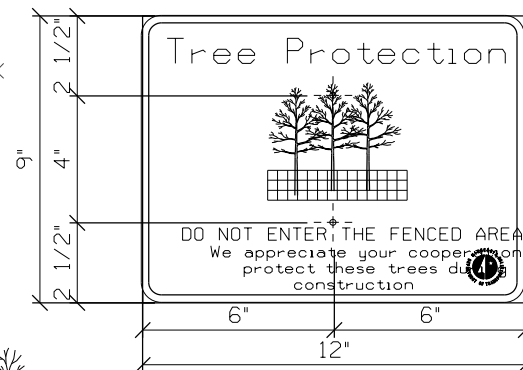
INCORRECT CUT FROM POINT C TO X (TOO CLOSE) WILL RESULT IN DISCONTINUOUS CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

CORRECT CUT FROM POINT C TO D (LEAVING BRANCH COLLAR BUT NOT THE STUB FROM POINT B TO A) WILL RESULT IN CONTINUOUS DOUGHNUT SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

PRUNING NOTES

1. PRUNE USING CLEAN AND SHARP SCISSOR TYPE PRUNER OR PRUNING SAW.
2. THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
3. AVOID PRUNING OAKS IN APRIL, MAY, JUNE OR JULY.
4. IF PRUNING IS NECESSARY OR IF WOUNDS OCCUR TO OAK TREES IN APRIL, MAY, JUNE OR JULY, IMMEDIATELY PAINT CUT SURFACE OR WOUND WITH LATEX PAINT OR SHELLAC.

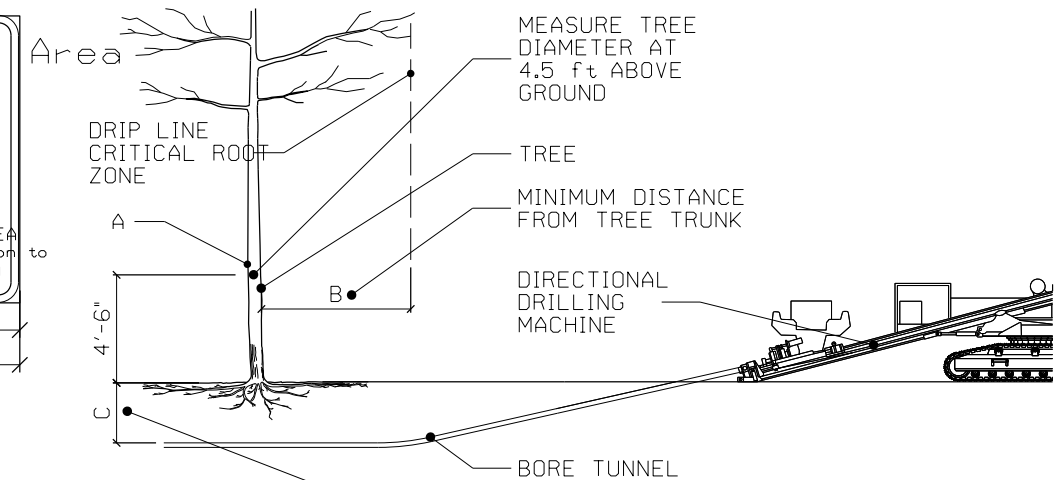
1. FABRICATE 2' X 9' X 3/8" SIGN WITH 0.75" RADIUS CORNERS.
2. SIGN SHALL BE WHITE WITH BLACK LETTERING.
3. ATTACH SIGN TO POST USING 1" LENGTH WOOD SCREWS.



1. FURNISH AND INSTALL TEMPORARY FENCE AT THE TREE'S DRIP LINE OR CONSTRUCTION LIMITS AS SPECIFIED PRIOR TO ANY CONSTRUCTION.
2. WHEN POSSIBLE PLACE FENCE 25 FEET BEYOND THE DRIP LINE.
3. PLACE TREE PROTECTION SIGNS ALONG FENCE AT 50' INTERVALS.

TEMPORARY FENCE

(MnDOT 2571.3E.1 and 2571.3K.2.a(9))



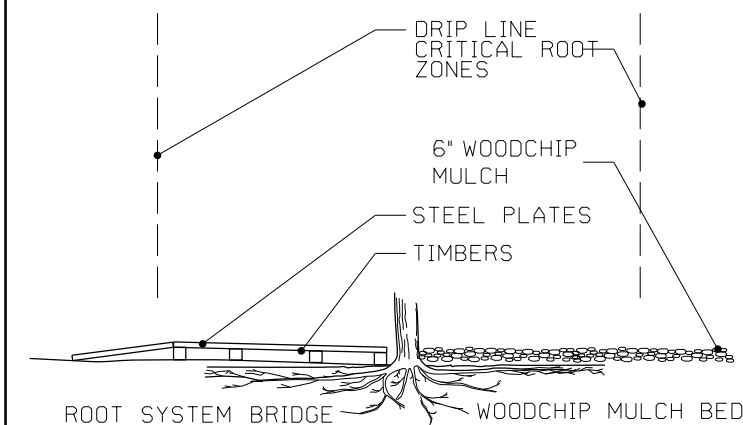
NOTE:

1. (A) IS THE DIAMETER OF TREES MEASURED 4'-6" FEET ABOVE THE GROUND AND IS TERMED THE "DIAMETER AT BREAST HEIGHT," (DBH).
2. USING A TREE DIAMETER TAPE, WRAP THE TAPE AROUND THE GIRTH OF THE TREE AT THE DBH, BEING CAREFUL NOT TO TWIST THE TAPE.

TREE PROTECTION ZONE		
A	B	C
<2"	2'	2'
2-4"	4'	2.5'
>4-9"	6'	2.5'
>9-14"	10'	3'
>14-19"	12'	3.25'
>19"	15'	4'

UTILITY CONSTRUCTION

(MnDOT 2572.3A.1)

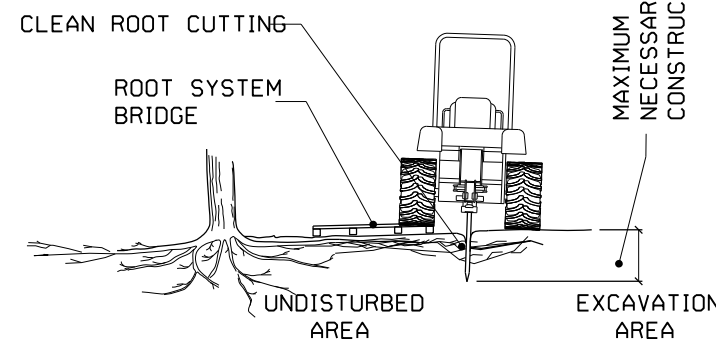


IF CONSTRUCTION VEHICLES MUST PASS OVER ROOT ZONES, THE CONTRACTOR MUST EITHER:

1. CONSTRUCT ROOT SYSTEM BRIDGES WITH STEEL PLATE SUPPORTED ON WOOD TIMBERS PLACED RADIALLY TO THE TREE TRUNK.
- OR
2. PLACE A 6 INCH LAYER OF WOODCHIP MULCH OVER A TYPE III GEOTEXTILE (MnDOT 3733).

OTHER VEGETATION PROTECTION MEASURES

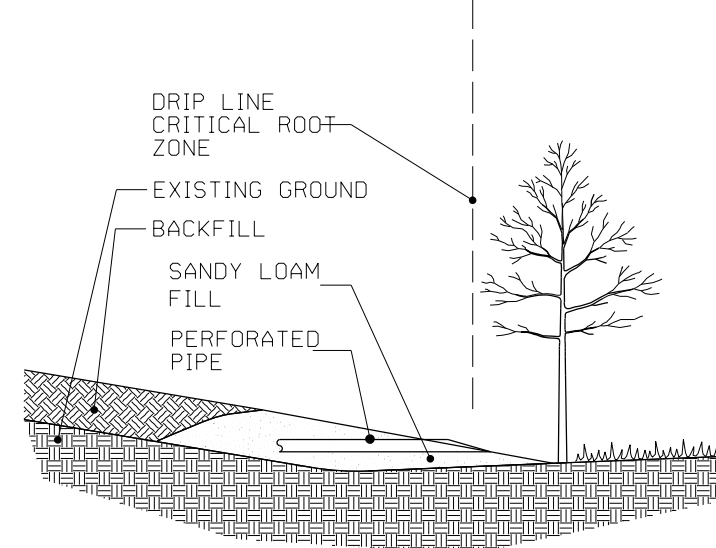
(MnDOT 2572.3A.12)



1. WHEN DESIGNATED IN THE PLAN OR DIRECTED BY THE ENGINEER, PRIOR TO EXCAVATION, ALL TREE ROOTS WILL BE CLEANLY CUT BY A VIBRATORY PLOW OR OTHER APPROVED ROOT CUTTER.
2. THE TREE ROOTS WILL BE CUT CLEANLY TO THE MINIMUM DEPTH NECESSARY FOR CONSTRUCTION.
3. IMMEDIATELY AND CLEANLY CUT DAMAGED AND EXPOSED ROOTS.
4. ROOT ENDS EXPOSED BY EXCAVATION ACTIVITIES SHALL BE IMMEDIATELY COVERED WITH A 6" LAYER OF ADJACENT SOIL.
5. EXPOSED CUT OAK ROOTS SHALL BE IMMEDIATELY (WITHIN 5 MINUTES) TREATED WITH A WOUND DRESSING MATERIAL CONSISTING OF LATEX PAINT OR SHELLAC.

CLEAN ROOT CUTTING

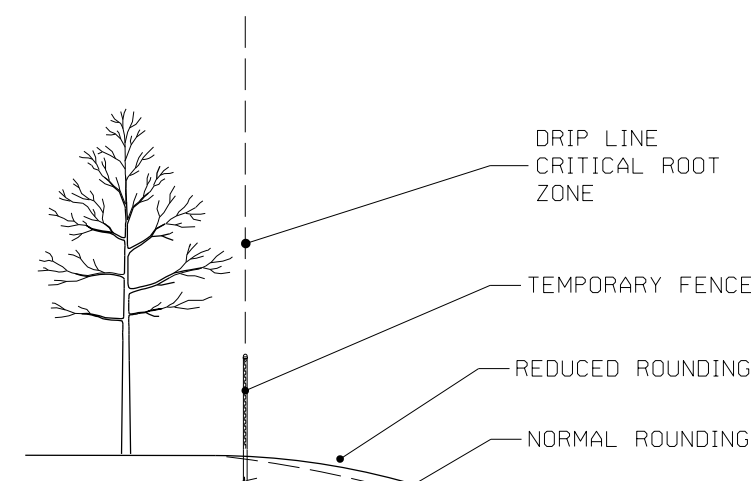
(MnDOT 2572.3A.2)



1. ANY FILL REQUIRED WITHIN THE DRIP LINE OF TREES IS UNCOMPACTED ROOTING TOPSOIL BORROW.
2. EXCESSIVE FILL MAY REQUIRE PLACING PERFORATED PIPE WITH AT LEAST ONE DAYLIGHT END OPENING AS AN AERATION SYSTEM.

ROOTING TOPSOIL BORROW

(MnDOT 2572.3A.4)



SIGNIFICANT TREES NEAR THE PROPOSED CONSTRUCTION LIMITS WILL BE IDENTIFIED ON THE PLAN OR BY THE ENGINEER AND WILL BE PRESERVED BY THE CONTRACTOR.

1. PLACE THE TEMPORARY FENCE.
2. REDUCE SLOPE ROUNDING WHERE ROOT ZONES ARE DISTURBED BY NORMAL SLOPE ROUNDING.
3. VARY BACKSLOPE STEEPNESS TO AVOID TREE LOSS OR UNNECESSARY ROOT DAMAGE.

SLOPE ROUNDING

REVISION:
APPROVED: DECEMBER 11, 2015
[Signature]
CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.3021 OF 1

[Signature]
STATE DESIGN ENGINEER

APPROVED: 12-11-2015
REVISED:

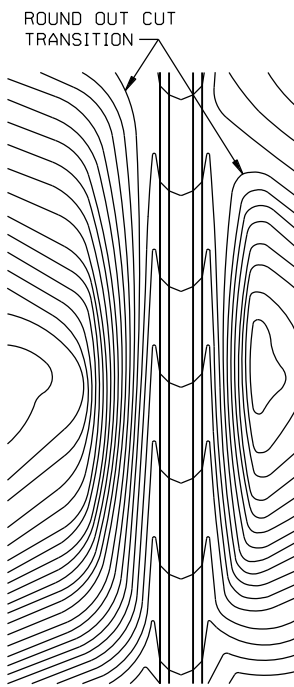
STATE PROJ. NO. 196-090-002

PROTECTION AND RESTORATION OF VEGETATION

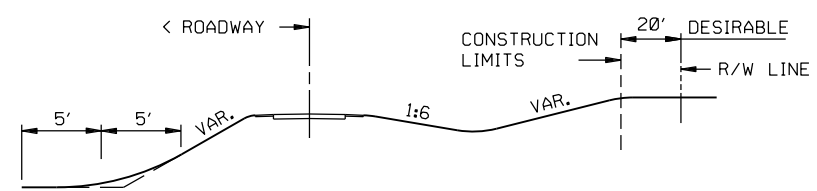
SHEET NO. 25 OF 64 SHEETS

Page 213 of 352

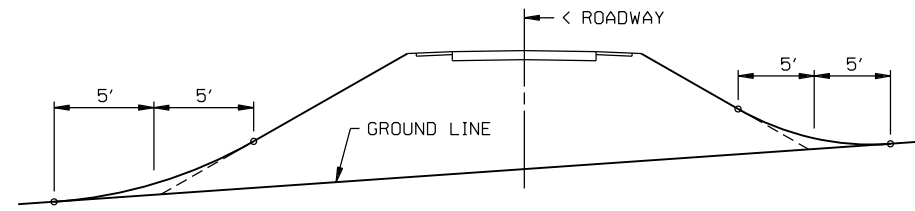
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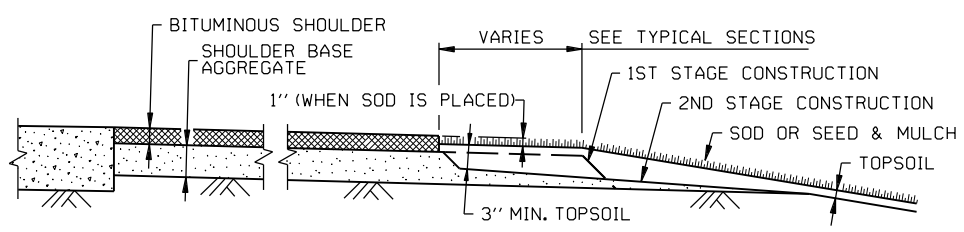
CONTOURING ROAD CUTS



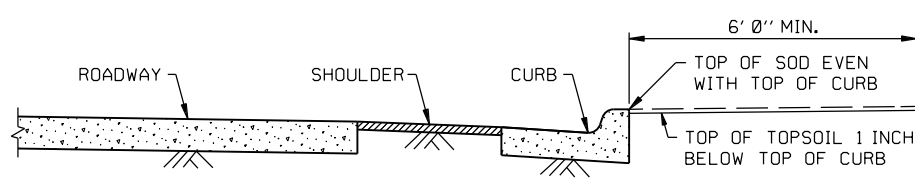
ROUNDING SHOULDERS AND BACKSLOPES



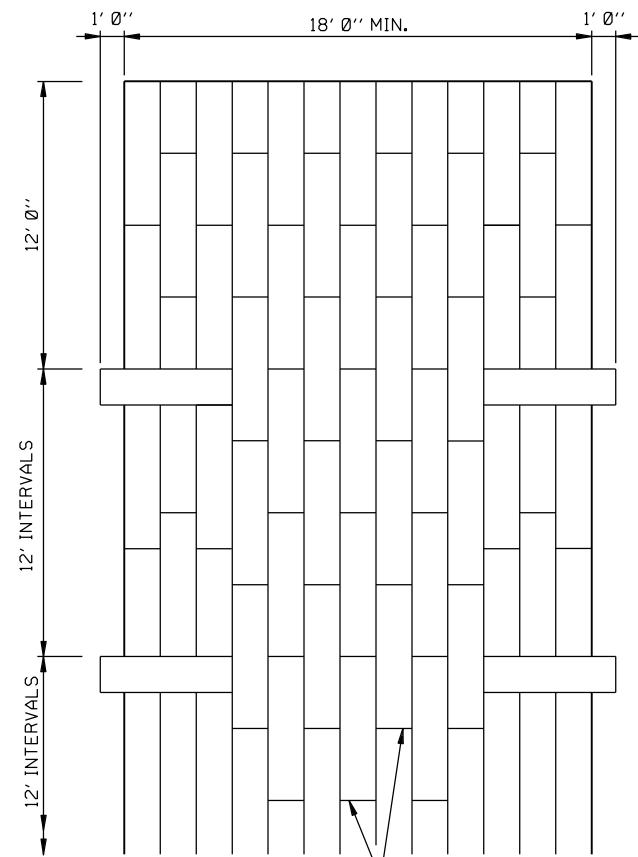
SHAPING FOR DRAINAGE ALONG THE TOE OF FILL SLOPES



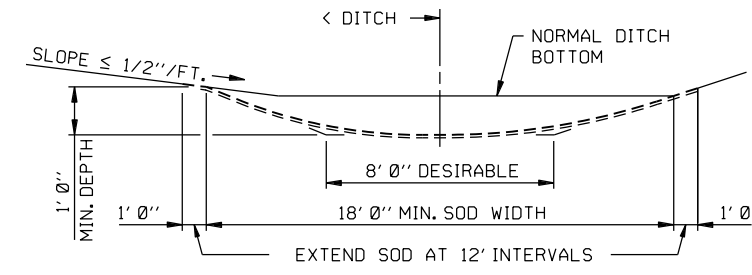
SHAPING AND TOPSOILING INSLOPES



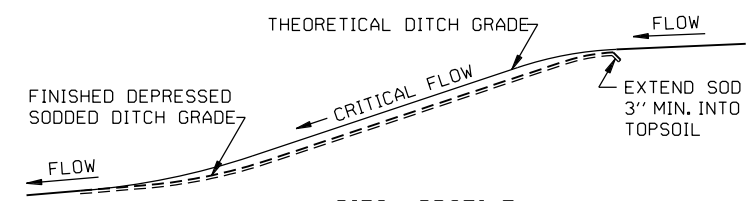
SHAPING ADJACENT TO CURBS WHEN SOD IS PLACED



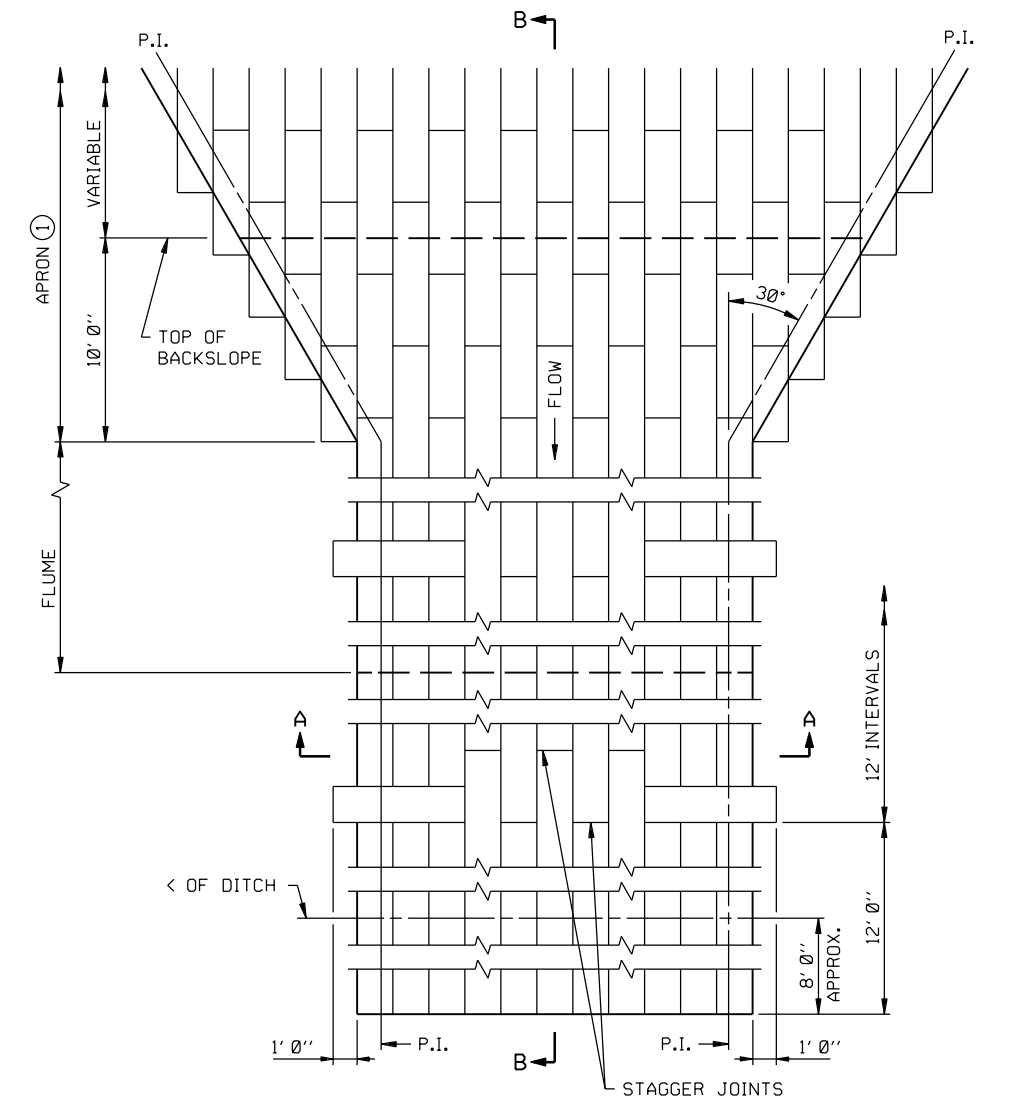
PLAN VIEW



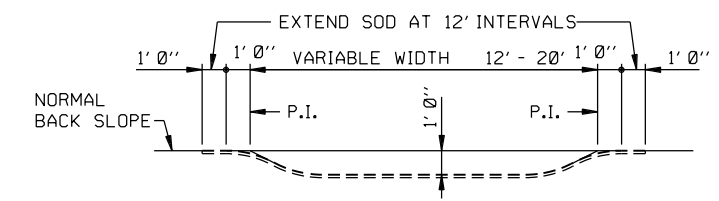
SODDED DITCH CROSS SECTION
WHERE FRONT OR BACK SLOPE IS FLAT (LESS THAN 1/2"/FT.),
FIRST NOTCH DITCH AND THEN PROVIDE ROUNDING.



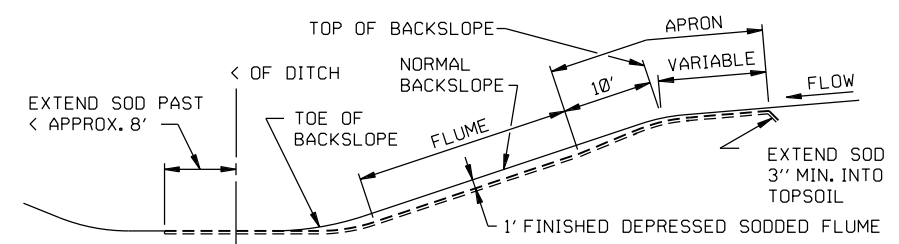
DITCH PROFILE
SODDED DITCH DETAILS



PLAN VIEW



SECTION A-A



SECTION B-B

SODDED FLUME DETAILS

NOTES:
SEE SPEC. 2575.3 FOR ADDITIONAL INFORMATION.
① CONSTRUCT TAPER AS DIRECTED BY THE ENGINEER.

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

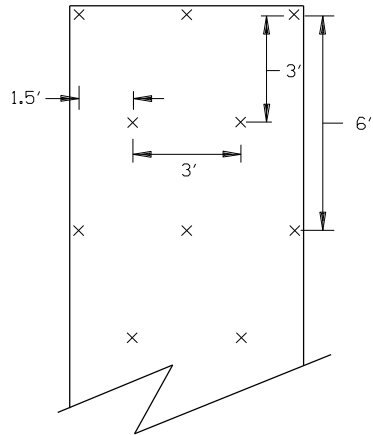
	STANDARD PLAN 5-297.4041 OF 3	PERMANENT EROSION CONTROL ALONG ROADWAYS, DITCHES AND FLUMES	
	<i>[Signature]</i> STATE DESIGN ENGINEER	APPROVED: 2-28-2017 REVISED:	STATE PROJ. NO. 196-090-002
		SHEET NO. 26 OF 64 SHEETS	

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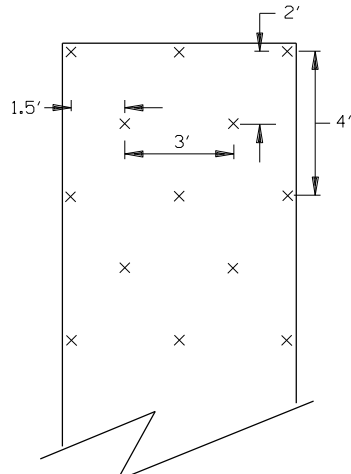
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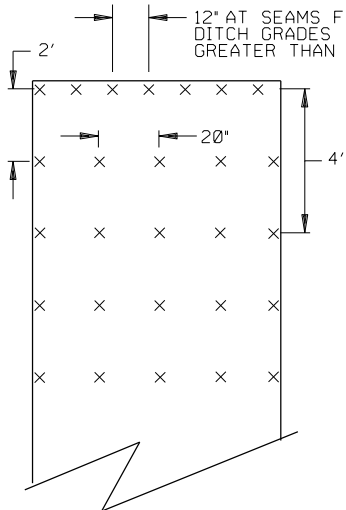
abby.williams
 2/19/2024



SLOPES FLATTER THAN 1:2
 120 STAPLES PER 100 SQ YD

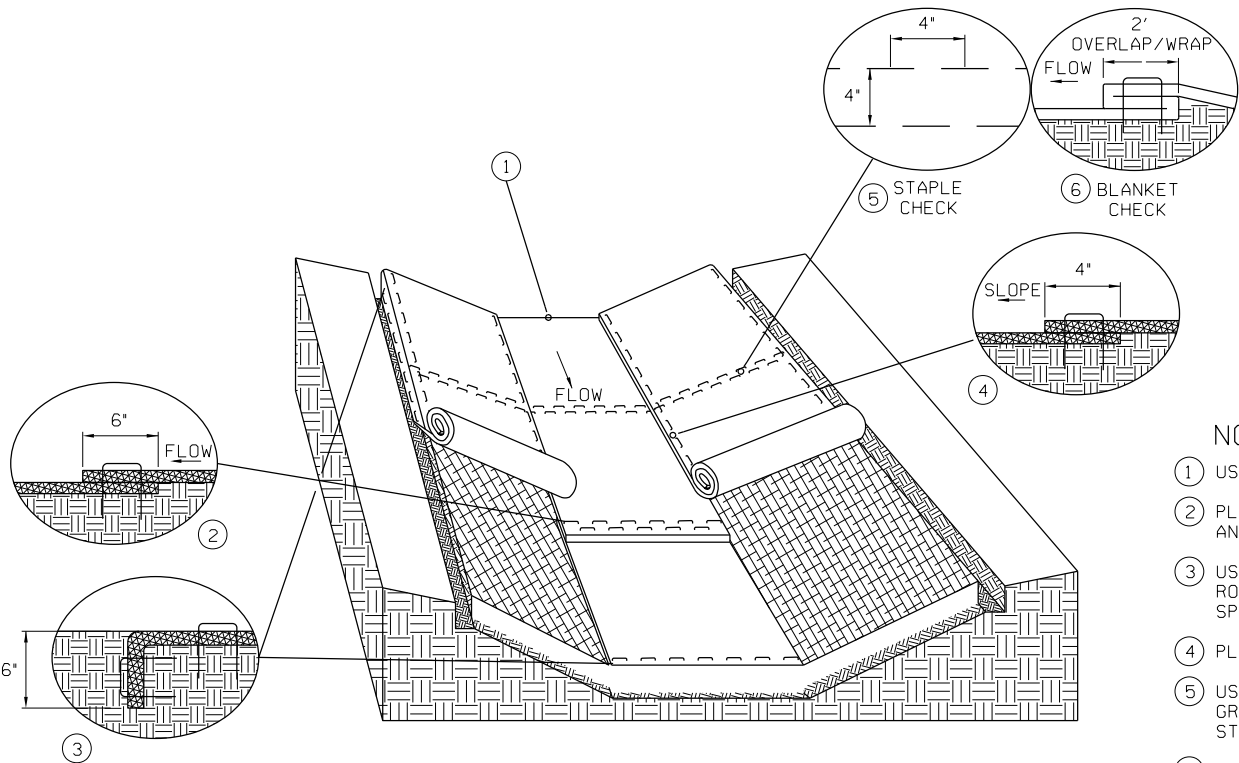


SLOPES 1:2 TO 1:1
 170 STAPLES PER 100 SQ YD

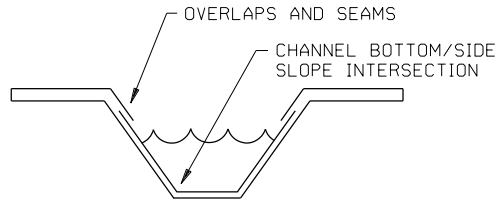


CHANNEL AND DITCH APPLICATIONS
 350 STAPLES PER 100 SQ YD

BLANKET STAPLE PATTERN



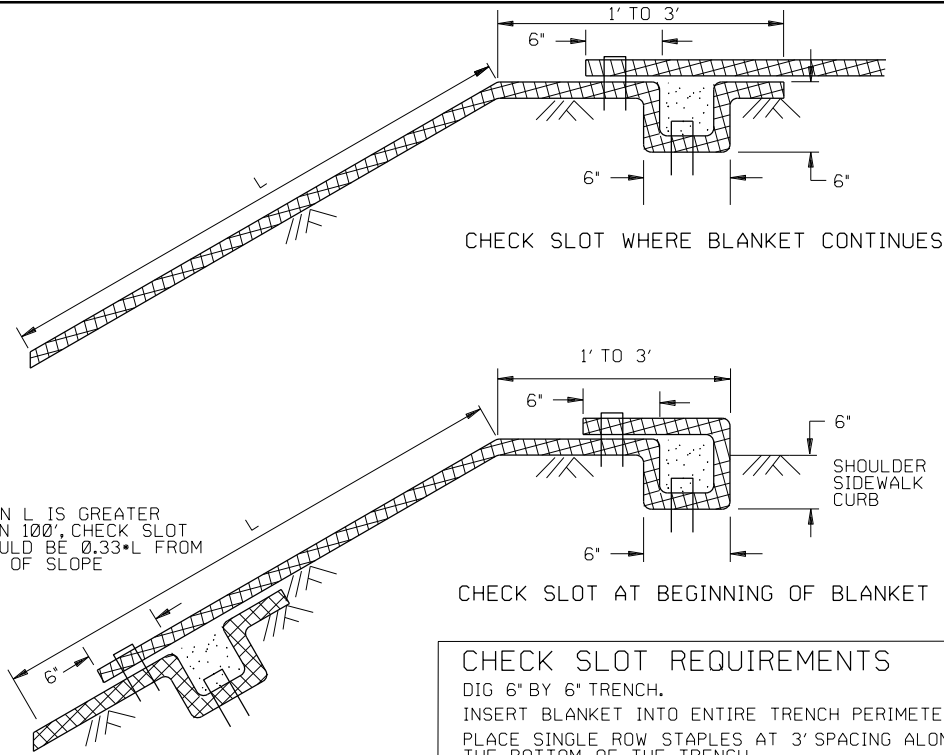
DITCH BLANKET STAPLE DETAIL



DITCH BLANKET CRITICAL POINTS

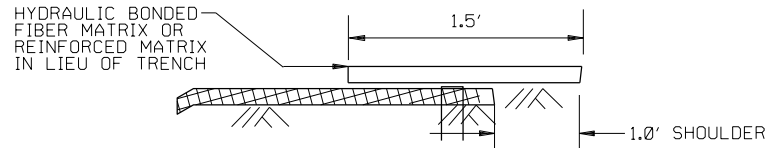
NOTES:

- USE CHECK SLOT DETAIL (NO ALTERNATES).
- PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER.
- USE 6" X 6" TRENCH TO PLACE BLANKET. PLACE SINGLE ROW OF STAPLES ON TOP AND TRENCH SIDES AT 12" SPACING. BACKFILL TRENCH WITH SOIL AND TAMP.
- PLACE SINGLE ROW OF STAPLES AT 12" SPACING.
- USE STAPLE CHECK FOR CHANNEL SLOPES LESS THAN 2.5%. GRADE AT 100' INTERVALS. PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND AT 4" SPACING.
- USE BLANKET CHECKS FOR THE FOLLOWING SLOPES:
2.5%-3% 100' INTERVALS
3%-5% 50' INTERVALS
5%-7% 25' INTERVALS
- CRITICAL POINTS SHALL BE SECURED WITH PROPER STAPLE PATTERNS.



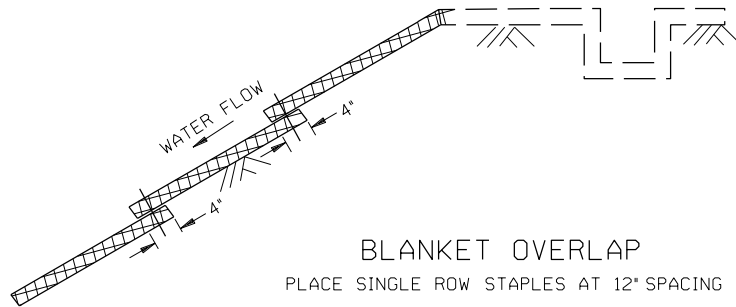
CHECK SLOT REQUIREMENTS

DIG 6" BY 6" TRENCH.
 INSERT BLANKET INTO ENTIRE TRENCH PERIMETER.
 PLACE SINGLE ROW STAPLES AT 3' SPACING ALONG THE BOTTOM OF THE TRENCH.
 BACKFILL TRENCH WITH SOIL AND TAMP.
 PLACE SINGLE ROW STAPLES AT 3' SPACING ON OVERLAP.



CHECK SLOT ALTERNATIVE
 PLACE SINGLE ROW STAPLES AT 12" SPACING

CHECK SLOT DETAILS



BLANKET OVERLAP
 PLACE SINGLE ROW STAPLES AT 12" SPACING

GENERAL BLANKET INSTALLATION REQUIREMENTS

REPP = ROLLED EROSION PREVENTION PRODUCT.
 PREPARE SOIL AS PER SPECIFICATION 2574.
 LAY PARALLEL OR PERPENDICULAR TO THE DIRECTION OF WATER FLOW.
 OVERLAP ADJACENT STRIP EDGES A MINIMUM OF 4".
 OVERLAP BLANKET 6" (MINIMUM) AT EACH END. OVERLAP BOTTOM END OF UPPER BLANKET OVER TOP END OF LOWER BLANKET. STAPLE ALONG OVERLAP EVERY 1.5'.
 THE UPPERMOST BLANKET OF ALL SLOPE APPLICATIONS MUST START IN A CHECK SLOT. IF SLOPE LENGTH (L) IS 100' OR GREATER, INSERT BLANKET INTO A CHECK SLOT 1/3 FROM THE BOTTOM OF THE SLOPE.

REVISION:

APPROVED: JANUARY 8, 2020

Marni Karnowski
 MARNI KARNOWSKI
 CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.404 OF 3

Thomas Styrbicki
 THOMAS STYRBICKI
 STATE DESIGN ENGINEER

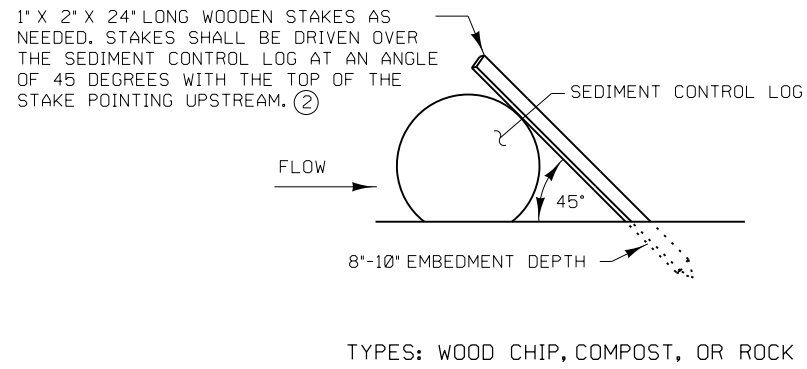
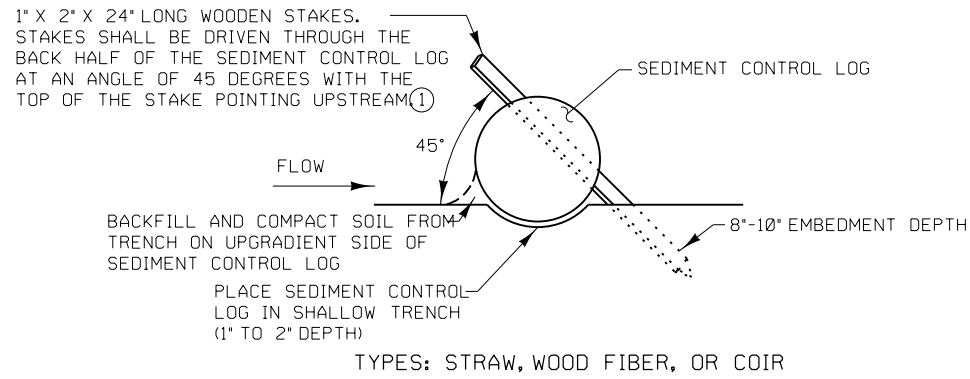
APPROVED: 1-8-2020
 REVISED:

STATE PROJ. NO. 196-090-002

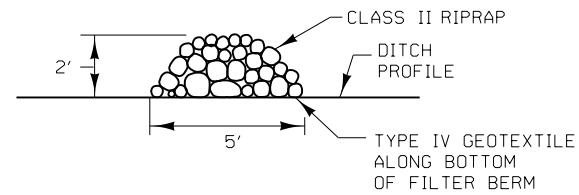
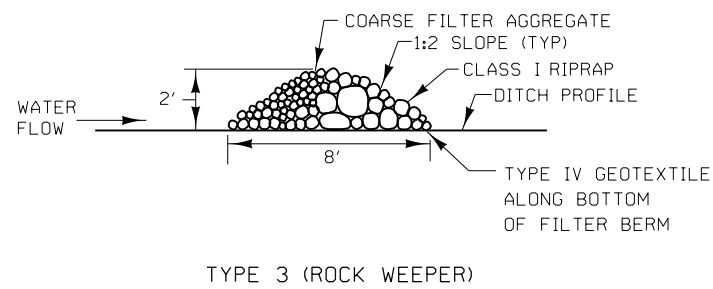
PERMANENT EROSION CONTROL
 REPP (BLANKET) STAPLE PATTERN FOR SLOPES

SHEET NO. 27 OF 64 SHEETS

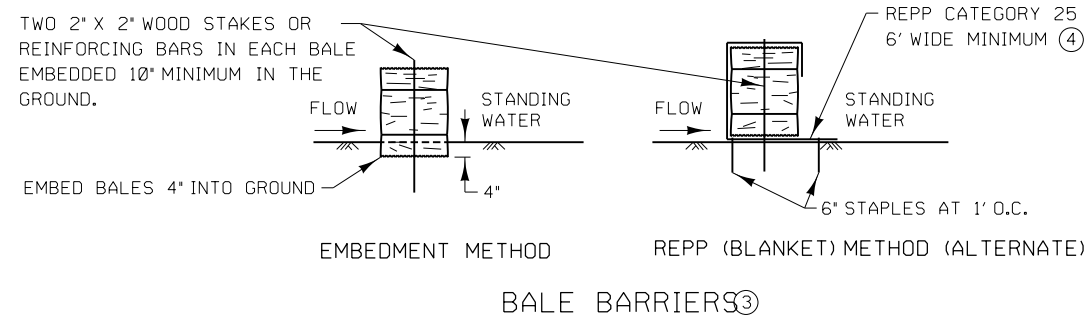
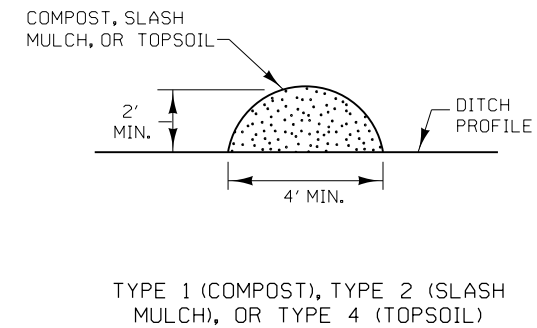
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SEDIMENT CONTROL LOGS



FILTER BERMS



NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

SEE SPECS. 2573, 3149, 3874, 3882, 3885, 3886, AND 3897.

- ① SPACE BETWEEN STAKES SHALL BE A MAXIMUM OF 1' FOR DITCH CHECKS OR 2' FOR OTHER APPLICATIONS.
- ② PLACE STAKES AS NEEDED TO PREVENT MOVEMENT OF SEDIMENT CONTROL LOGS PLACED ON SLOPES OR AS NEEDED DUE TO OTHER FACTORS. STAKES SHALL BE INCIDENTAL.
- ③ TO BE USED FOR CRITICAL PERIMETER CONTROL AREAS WHERE STANDING WATER OCCURS (6" MAXIMUM DEPTH). BALES SHALL CONSIST OF TYPE 1 MULCH OF APPROXIMATELY 14" X 18" X 36" LONG. BALES SHALL BE PLACED ON EDGE AND BUTTED TIGHT TO ADJACENT BALES.
- ④ INSTEAD OF TRENCHING, PLACE BALE ON THE REPP (BLANKET) AND WRAP BLANKET AROUND THE BALE. PLACE STAKE THROUGH BALE AND BLANKET.

REVISION:

APPROVED: JANUARY 8, 2020

Marni Karnowski

MARNI KARNOWSKI
CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.4052 OF 8

Tom Styrbicki
THOMAS STYRBICKI
STATE DESIGN ENGINEER

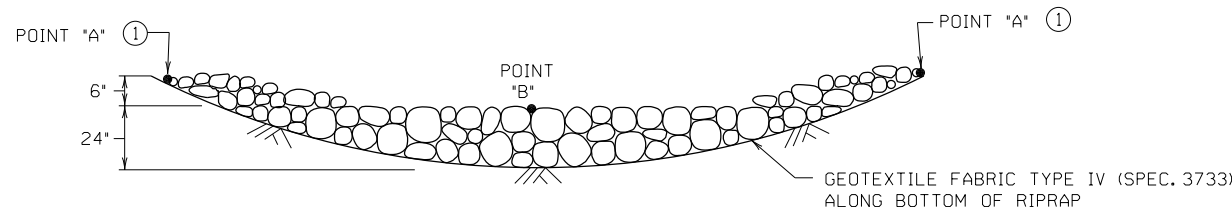
APPROVED: 1-8-2020
REVISED:

STATE PROJ. NO. 196-090-002

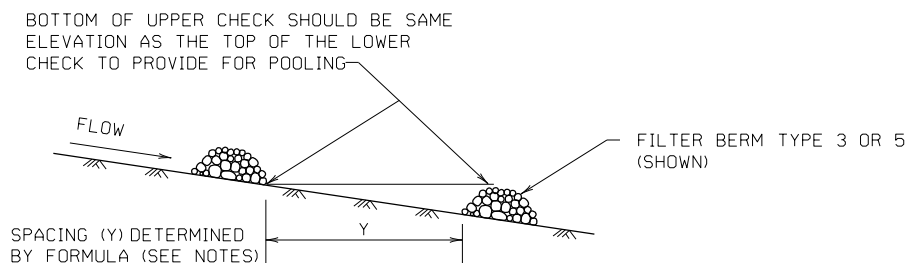
TEMPORARY SEDIMENT CONTROL
FILTER BERMS, SEDIMENT CONTROL LOGS, AND BALE BARRIERS

SHEET NO. 28 OF 64 SHEETS

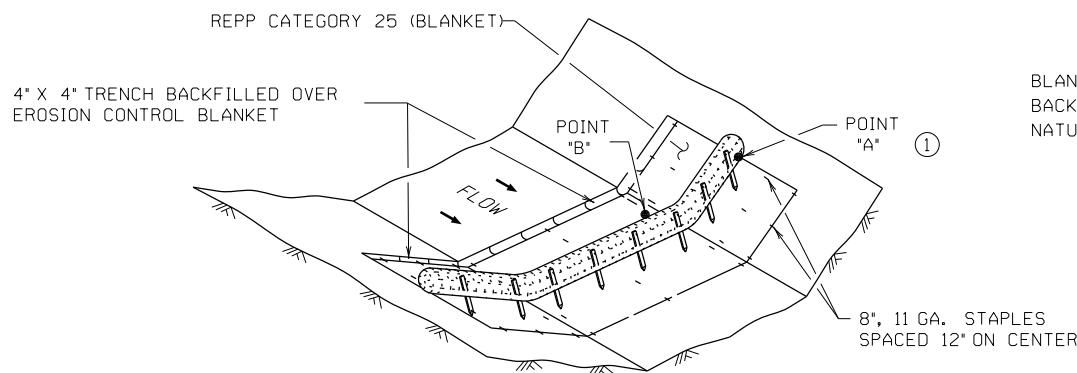
Page 216 of 352



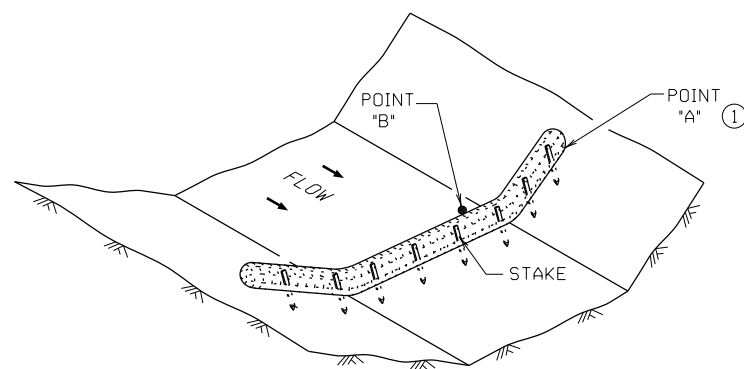
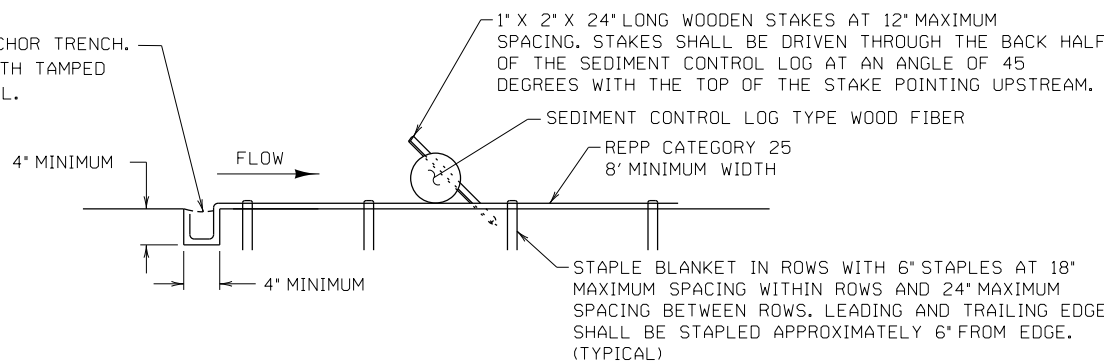
ROCK DITCH CHECKS
 FILTER BERMS TYPE 3 (ROCK WEEPER) OR FILTER TYPE 5 (ROCK)
 FOR USE ON ROUGH-GRADED AREAS
 ONLY FOR USE OUTSIDE CLEAR ZONE



DITCH CHECK SPACING
 FOR ALL FILTER BERM TYPES



SEDIMENT CONTROL LOG TYPE REPP (BLANKET) SYSTEM



SEDIMENT CONTROL LOG TYPE WOOD FIBER, OR TYPE COMPOS
 FOR USE ON ROUGH GRADED AREAS

NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

SEE SPECS. 2573, 3601, 3733, 3885, 3886 & 3889.

FOR DITCH CHECKS, PLACE SEDIMENT CONTROL LOG PERPENDICULAR TO FLOW AND IN A CRESCENT SHAPE WITH THE ENDS FACING UPSTREAM.

APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:

$$\text{APPROXIMATE SPACING OF DITCH CHECKS (FT.)} = Y = \frac{\text{DITCH CHECK HEIGHT (FT.)}}{\% \text{ CHANNEL SLOPE}} \times 100$$

- ① POINT "A" MUST BE A MINIMUM OF 6" HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
- ② ROCK DITCH CHECKS PLACED WITHIN THE CLEAR ZONE ARE TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DEPARTURE SLOPE SHALL BE PROVIDED.
- ③ DITCH GRADE 3% - 5%, MAX. FLOW VELOCITY 12 FT./SEC.
- ④ DITCH GRADE 1.5% - 3%, MAX. FLOW VELOCITY 4.5 FT./SEC.
- ⑤ DITCH GRADE 1.5% - 3%, MAX. FLOW VELOCITY 1.5 FT./SEC.

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 abby.williams
 2/19/2024

REVISION:
 APPROVED: JANUARY 8, 2020

 MARNI KARNOWSKI
 CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.4053 OF 8

THOMAS STYRBICKI
 STATE DESIGN ENGINEER

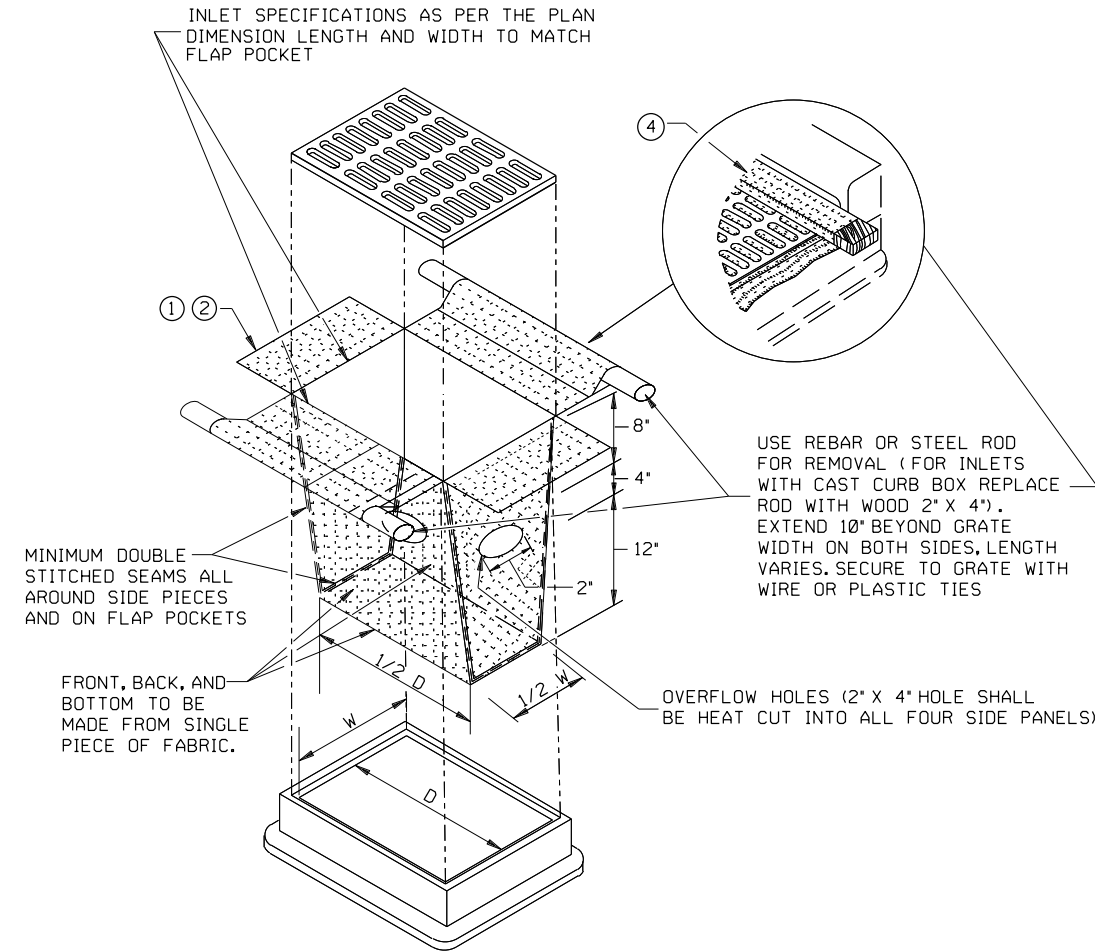
APPROVED: 1-8-2020
 REVISED:

STATE PROJ. NO. 196-090-002

TEMPORARY SEDIMENT CONTROL
 DITCH CHECK

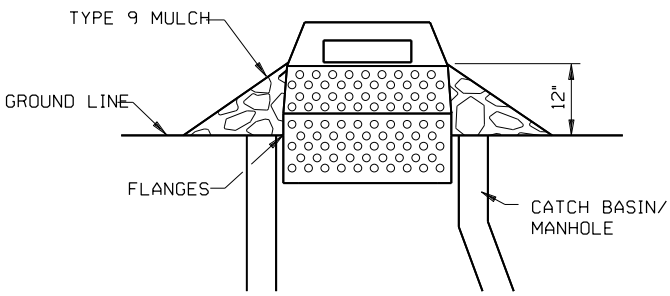
SHEET NO. 29 OF 64 SHEETS

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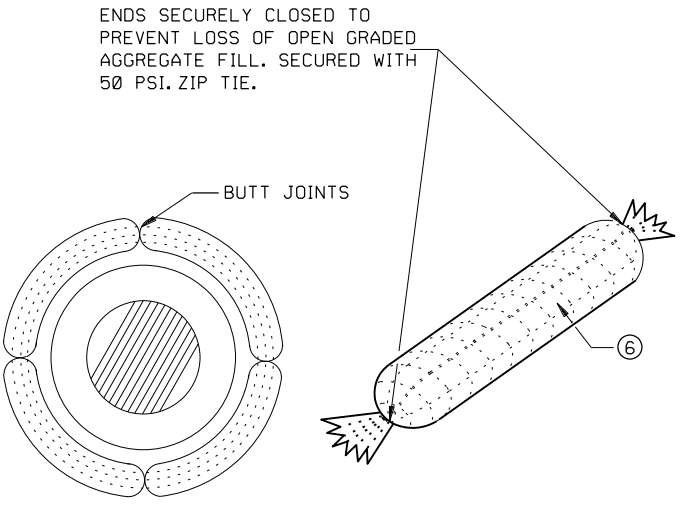
FILTER BAG INSERT ③

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)



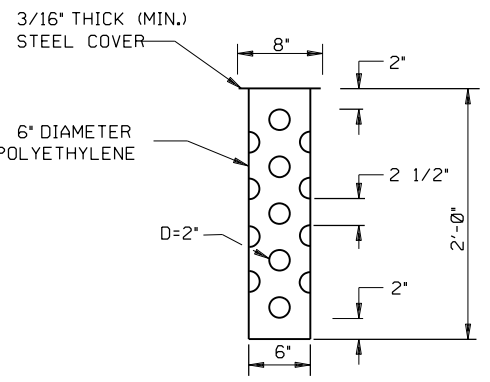
SEDIMENT CONTROL INLET HAT

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 LID/COVER.

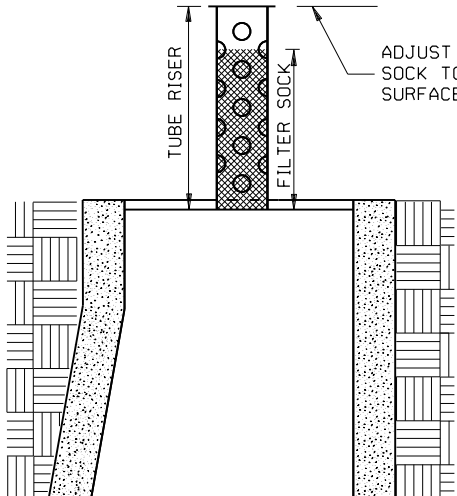


ROCK LOG/COMPOST LOG

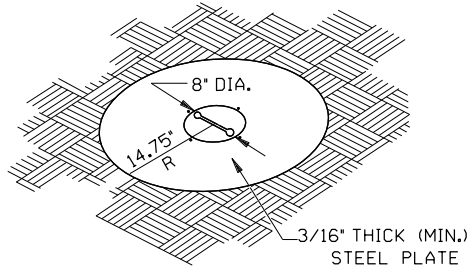
ENDS SECURELY CLOSED TO PREVENT LOSS OF OPEN GRADED AGGREGATE FILL. SECURED WITH 50 PSI. ZIP TIE.



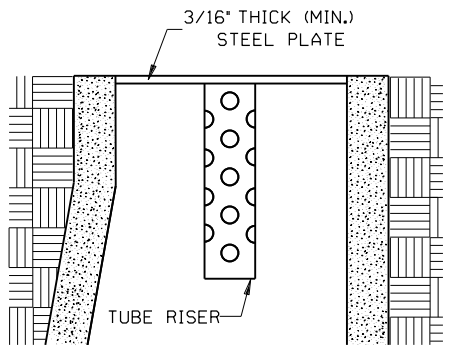
TUBE RISER



SECTION (UP POSITION)

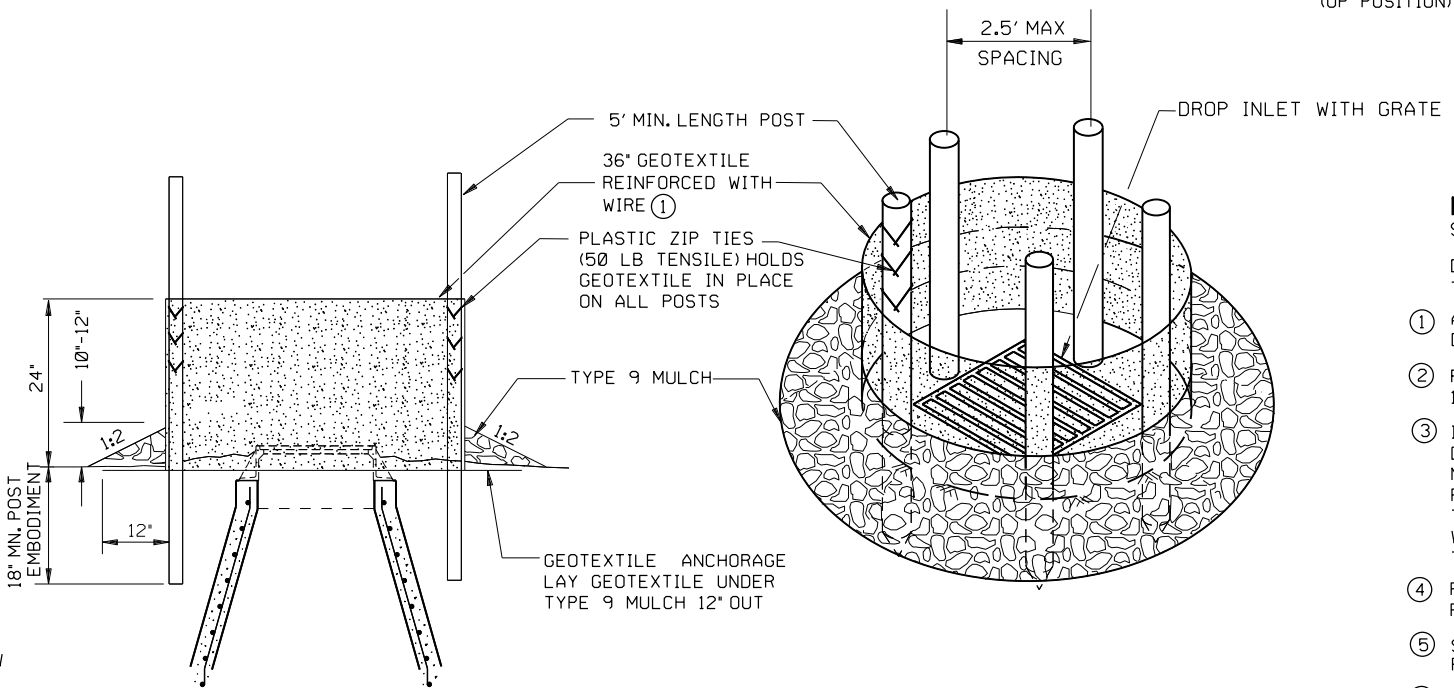


PERSPECTIVE VIEW



SECTION (DOWN POSITION)

POP-UP HEAD



SILT FENCE RING AND ROCK FILTER BERM

USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:3 or LESS

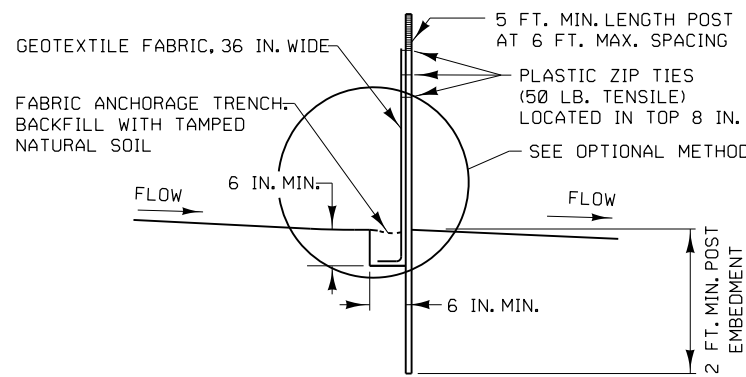
NOTES:

- SEE SPECS. 2573, 3137, & 3886.
- DEVICES MUST BE ADJUSTED ACCORDINGLY AS TO NOT CAUSE FLOODING ON ROADWAY THAT WOULD IMPEED 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 POCKETS.
- 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.

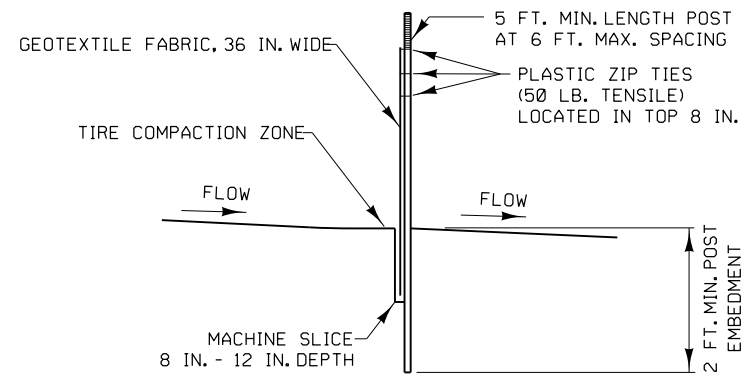
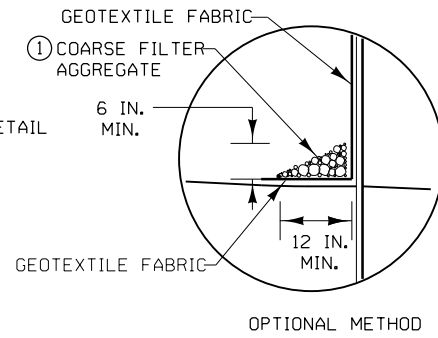
REVISION:
APPROVED: 2-28-2017
<i>[Signature]</i> CHIEF ENVIRONMENTAL OFFICER

m MINNESOTA DEPARTMENT OF TRANSPORTATION	STANDARD PLAN 5-297.4054 OF 8 <i>[Signature]</i> STATE DESIGN ENGINEER	APPROVED: 2-28-2017 REVISED:
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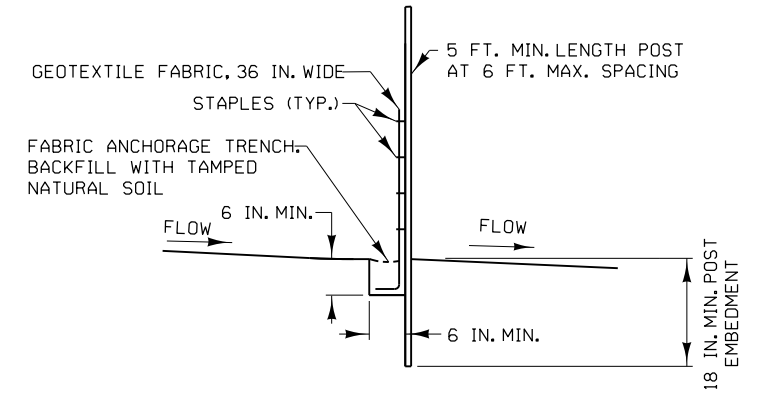
**TEMPORARY SEDIMENT CONTROL
STORM DRAIN INLET PROTECTION**



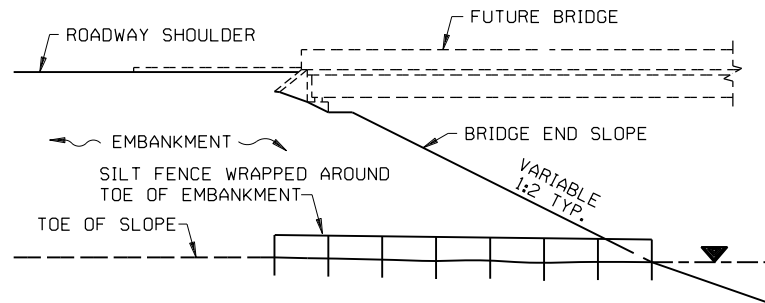
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(HAND INSTALLED)



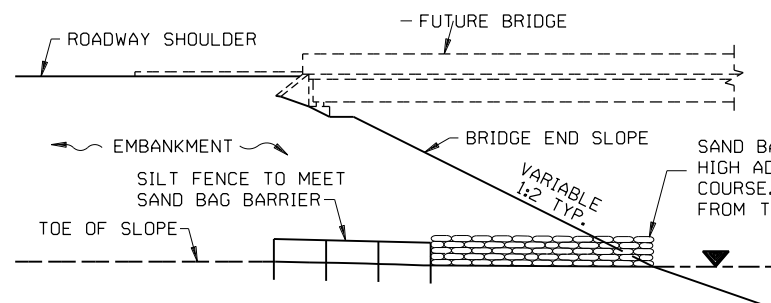
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(MACHINE SLICED)



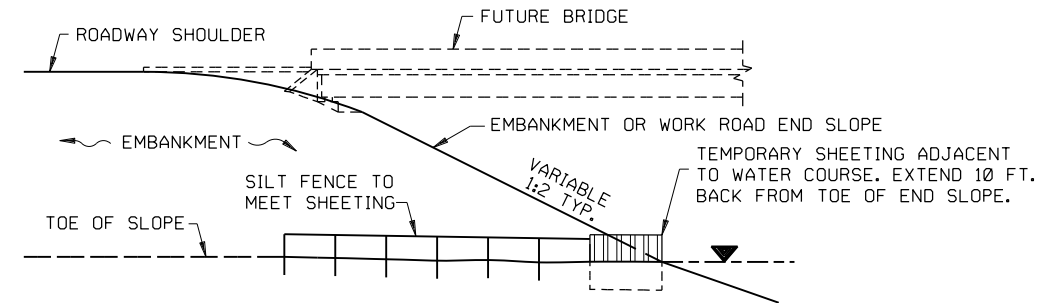
SILT FENCE TYPE PA^③
(PREASSEMBLED)



SILT FENCE ONLY^④

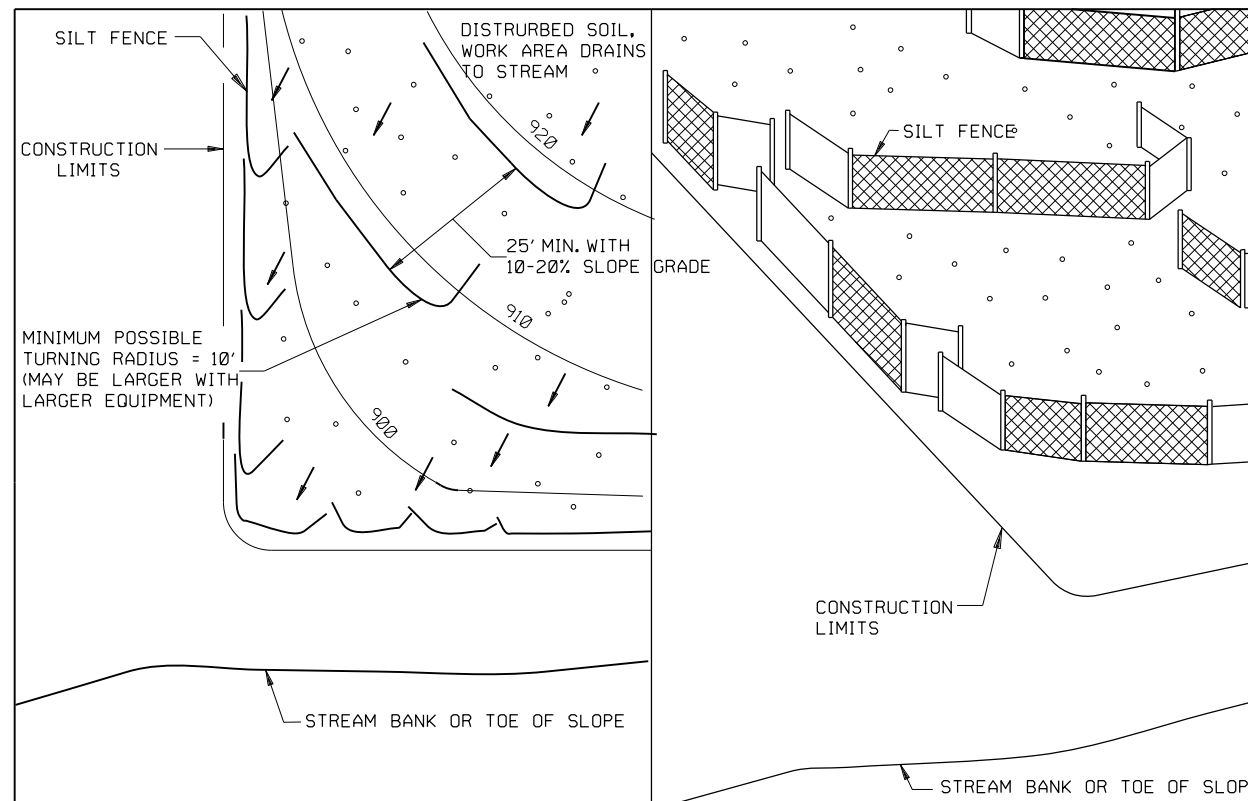


SILT FENCE WITH SAND BAGS^⑤



SILT FENCE WITH SHEETING^⑥

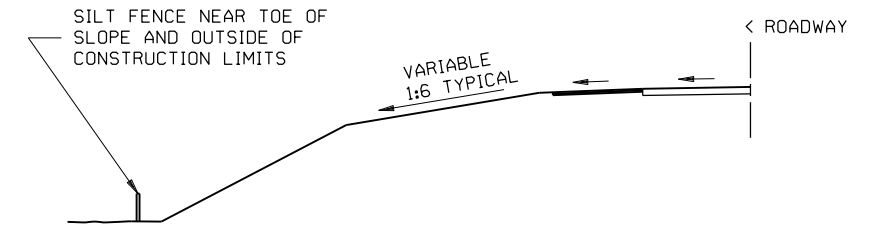
INSTALLATION AT BRIDGE EMBANKMENT ADJACENT TO WATER



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.



STANDARD PLAN 5-297.405 OF 8

APPROVED: 2-28-2017
REVIS: *Tom S.*
STATE DESIGN ENGINEER

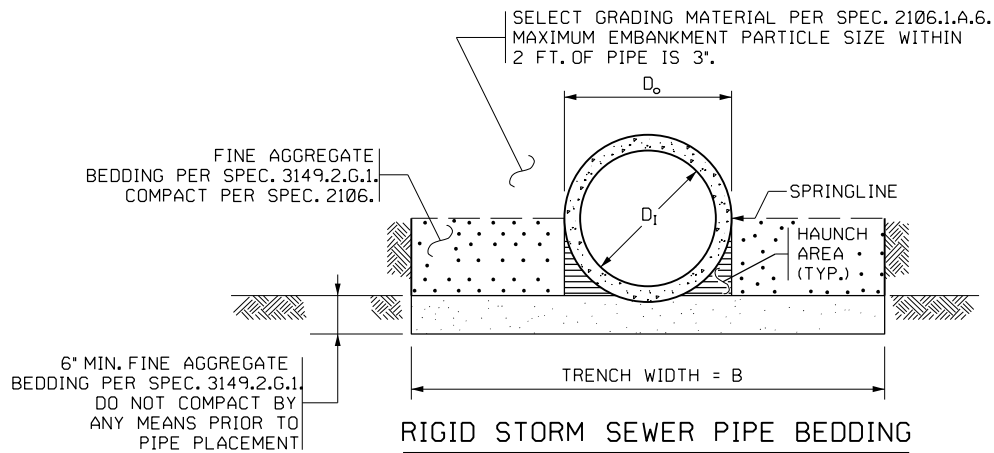
STATE PROJ. NO. 196-090-002

TEMPORARY SEDIMENT CONTROL
SILT FENCE

SHEET NO. 31 OF 64 SHEETS

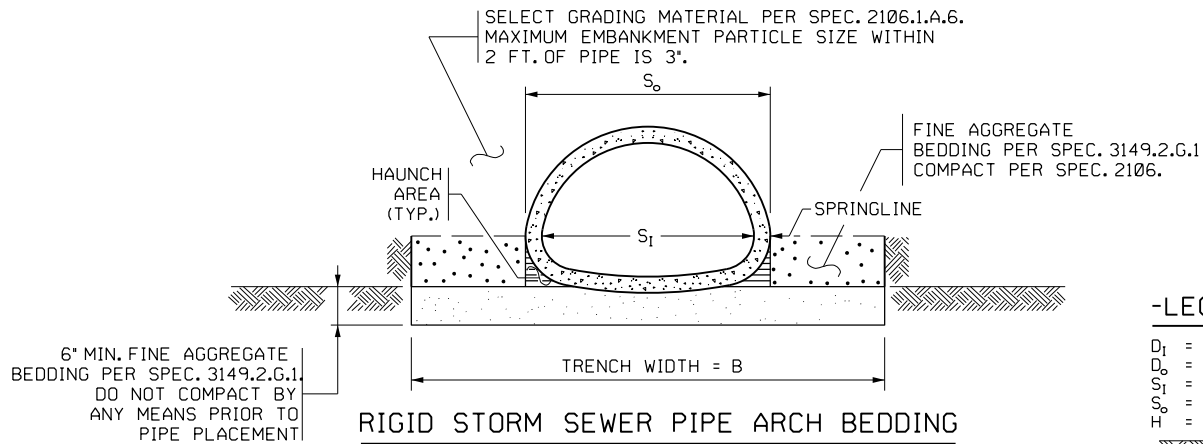
REVISION:
APPROVED: 2-28-2017
Ch. P. Elmer
CHIEF ENVIRONMENTAL OFFICER

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TRENCH BASE WIDTH	
PIPE DIA. D_1 OR S_1	TRENCH WIDTH B
< 42"	$D_o + 24"$
42" TO 54"	$1.5 \times D_o$
> 54"	$D_o + 36"$

PLASTIC PIPE WITH $H > 10$ FT.	
PIPE DIA.	TRENCH WIDTH (FEET)
12"	5'-2"
15"	5'-6"
18"	5'-9"
24"	6'-6"
30"	8'-0"
36"	9'-6"
42"	11'-0"
48"	12'-6"

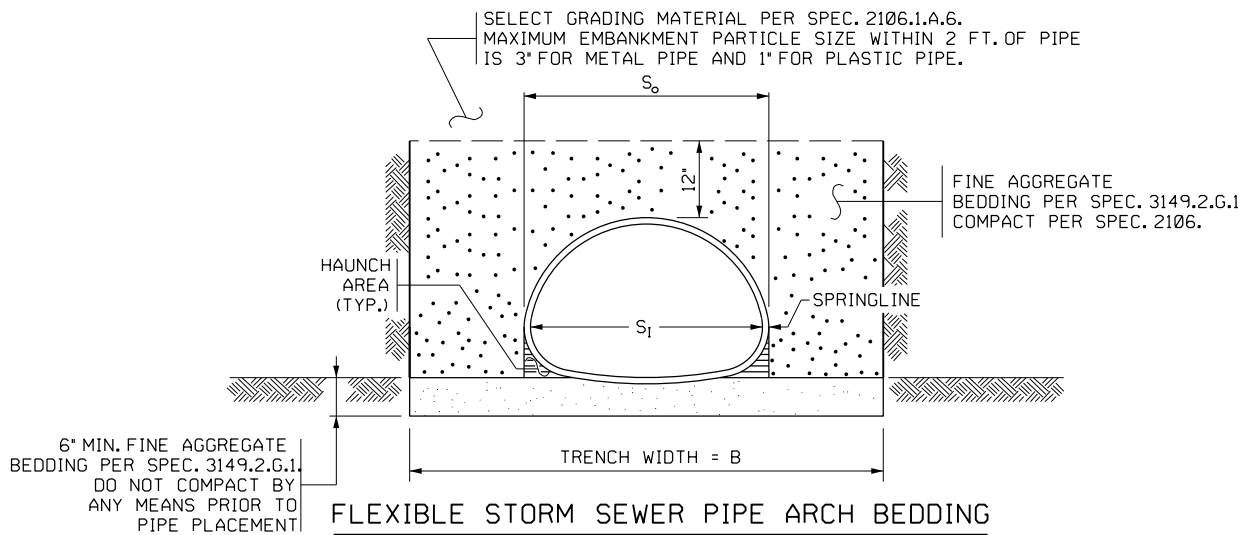
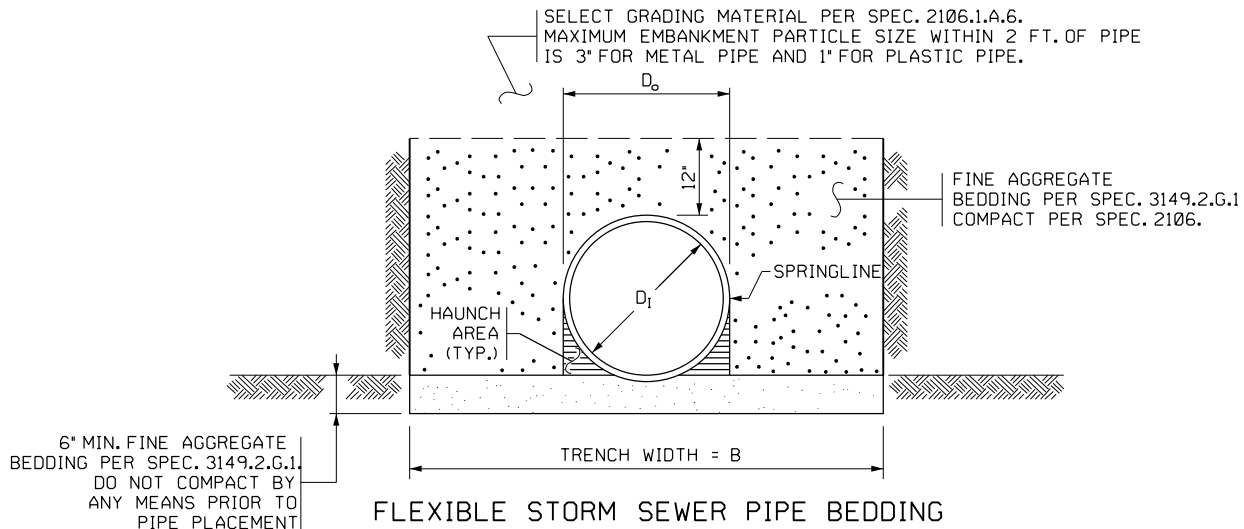


-LEGEND-

- D_1 = INSIDE DIAMETER OF ROUND PIPE (INCHES).
 D_o = OUTSIDE DIAMETER OF ROUND PIPE (INCHES).
 S_1 = INSIDE SPAN OF PIPE-ARCH (INCHES).
 S_o = OUTSIDE SPAN OF PIPE-ARCH (INCHES).
 H = FILL COVER HEIGHT OVER PIPE (FEET).
- = UNDISTURBED SOIL
- = COMPACTED BEDDING
- = LOOSE BEDDING, COMPACTED
AFTER PIPE PLACEMENT

CONSTRUCTION SEQUENCE

1. LOOSELY PLACE 6" OF FINE AGGREGATE BEDDING MATERIAL TO GRADE. DO NOT COMPACT PRIOR TO PIPE PLACEMENT.
2. FOR PIPES WITH BELL, REMOVE MATERIAL IN BELL AREA PRIOR TO PLACEMENT.
3. FURNISH AND INSTALL PIPE TO GRADE.
4. AFTER PLACEMENT OF THE PIPE, PLACE ADDITIONAL FINE AGGREGATE BEDDING AND COMPACT THE FULL LENGTH ON BOTH SIDES OF THE PIPE UNDERNEATH THE HAUNCH AREA BY FIRST SHOVEL SLICING (MANUALLY SHOVE THE BLADE END OF SHOVEL AT AN ANGLE DOWN THE ENTIRE LENGTH OF HAUNCH UNDER THE PIPE). THEN COMPACT THE HAUNCH AT AN ANGLE USING A POWERED MECHANICAL OR PNEUMATIC DEVICE (I.E. POLE TAMPER, JUMPING JACK, OR SIMILAR).
5. COMPACT THE REMAINING MATERIAL OUTSIDE THE HAUNCH AREA TO THE REQUIREMENTS OF SPEC. 2106 ENSURING THAT THE ENTIRE LENGTH OF PIPE IS SUPPORTED UNIFORMLY BY BEDDING.
6. PLACE AND COMPACT BACKFILL EVENLY AND SIMULTANEOUSLY IN 6" LIFTS ON EACH SIDE OF THE PIPE UP TO THE SPRINGLINE FOR RIGID PIPE AND 12" ABOVE THE TOP OF THE PIPE FOR FLEXIBLE PIPE WHEN COMPACTED.
7. COMPLETE REMAINING BACKFILL.



NOTES

EXCAVATE & CONSTRUCT ALL TRENCHES AND SLOPES PER OSHA REQUIREMENTS.

PIPE SIZE IS BASED ON THE NOMINAL INSIDE DIAMETER OR SPAN.

PROTECT ALL PIPE DURING CONSTRUCTION PER SPEC. 2503.

WHEN RIPRAP IS REQUIRED AT THE APRON END, SEE STANDARD PLATE OR PLAN FOR RIPRAP INSTALLATION AND QUANTITIES. FOR APRONS WITHOUT RIPRAP PLACE 6" MIN. FINE AGGREGATE BEDDING UNDER APRONS. USE A TRENCH WIDTH EQUAL TO THE PIPE TRENCH WIDTH.

FINE AGGREGATE BEDDING INCLUDING THE COST OF EXCAVATION, PLACEMENT AND COMPACTION IS INCLUDED IN THE CONTRACT UNIT PRICE OF THE RELEVANT STORM SEWER PAY ITEM.

EXCAVATION AND BACKFILL WITH SELECT GRADING MATERIAL ARE NOT TABULATED SEPARATELY BUT ARE INCLUDED IN THE CONTRACT UNIT PRICE OF THE RELEVANT STORM SEWER PAY ITEM.

RIGID PIPE INCLUDES CONCRETE. FLEXIBLE PIPE INCLUDES METAL, AND PLASTIC MATERIALS SUCH AS CORRUGATED POLYPROPYLENE (PP), CORRUGATED POLYETHYLENE (CP) AND POLYVINYL CHLORIDE (PVC).

① MODIFY TRENCH WIDTH & SLOPE AS NECESSARY TO COMPLY WITH OSHA REQUIREMENTS.

② USE PLASTIC PIPE TABLE FOR TRENCH WIDTHS WHEN FILL HEIGHT IS GREATER THAN 10 FT.

REVISION:
APPROVED: JANUARY 18, 2019
Kevin Westman
STATE BRIDGE ENGINEER



STANDARD PLAN 5-297.4 21 OF 1

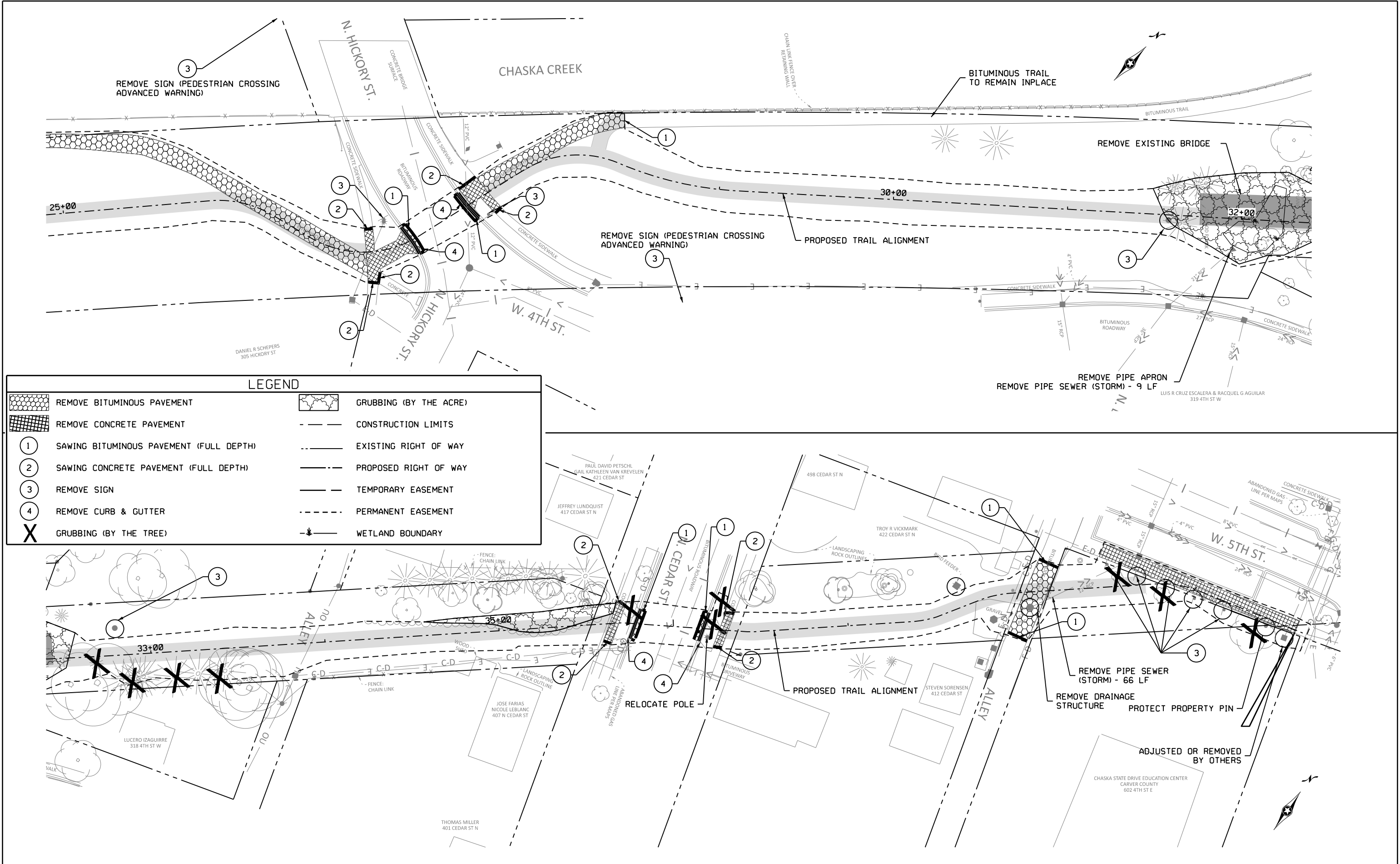
Tom S. H.
STATE DESIGN ENGINEER

APPROVED: 01-18-2019
REVISED:

STATE PROJ. NO. 196-090-002

STANDARD STORM SEWER BEDDING
FOR RIGID AND FLEXIBLE PIPE

SHEET NO. 32 OF 64 SHEETS



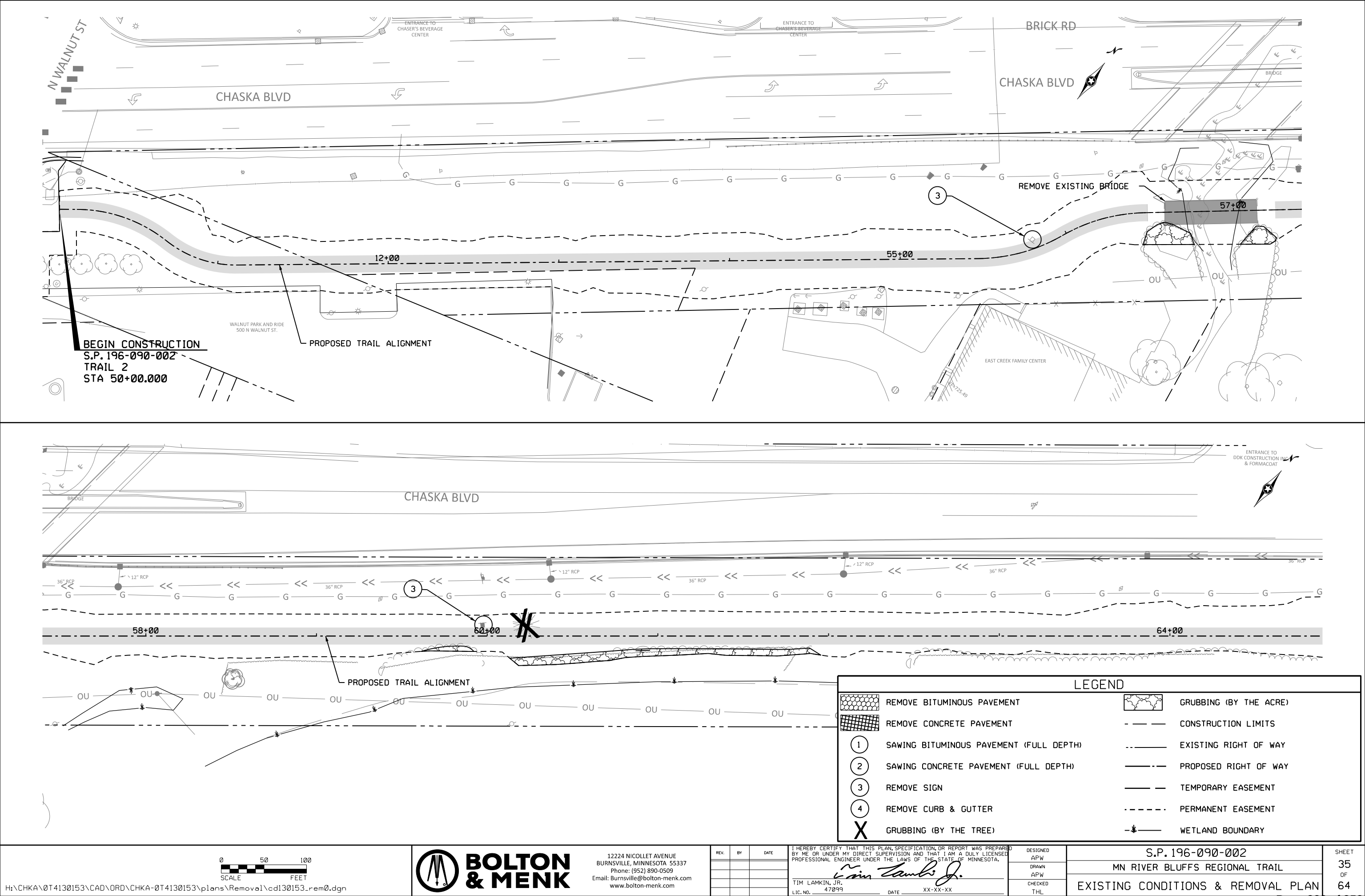
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	REMOVE CONCRETE PAVEMENT		CONSTRUCTION LIMITS
	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)		EXISTING RIGHT OF WAY
	SAWING CONCRETE PAVEMENT (FULL DEPTH)		PROPOSED RIGHT OF WAY
	REMOVE SIGN		TEMPORARY EASEMENT
	REMOVE CURB & GUTTER		PERMANENT EASEMENT
	GRUBBING (BY THE TREE)		WETLAND BOUNDARY

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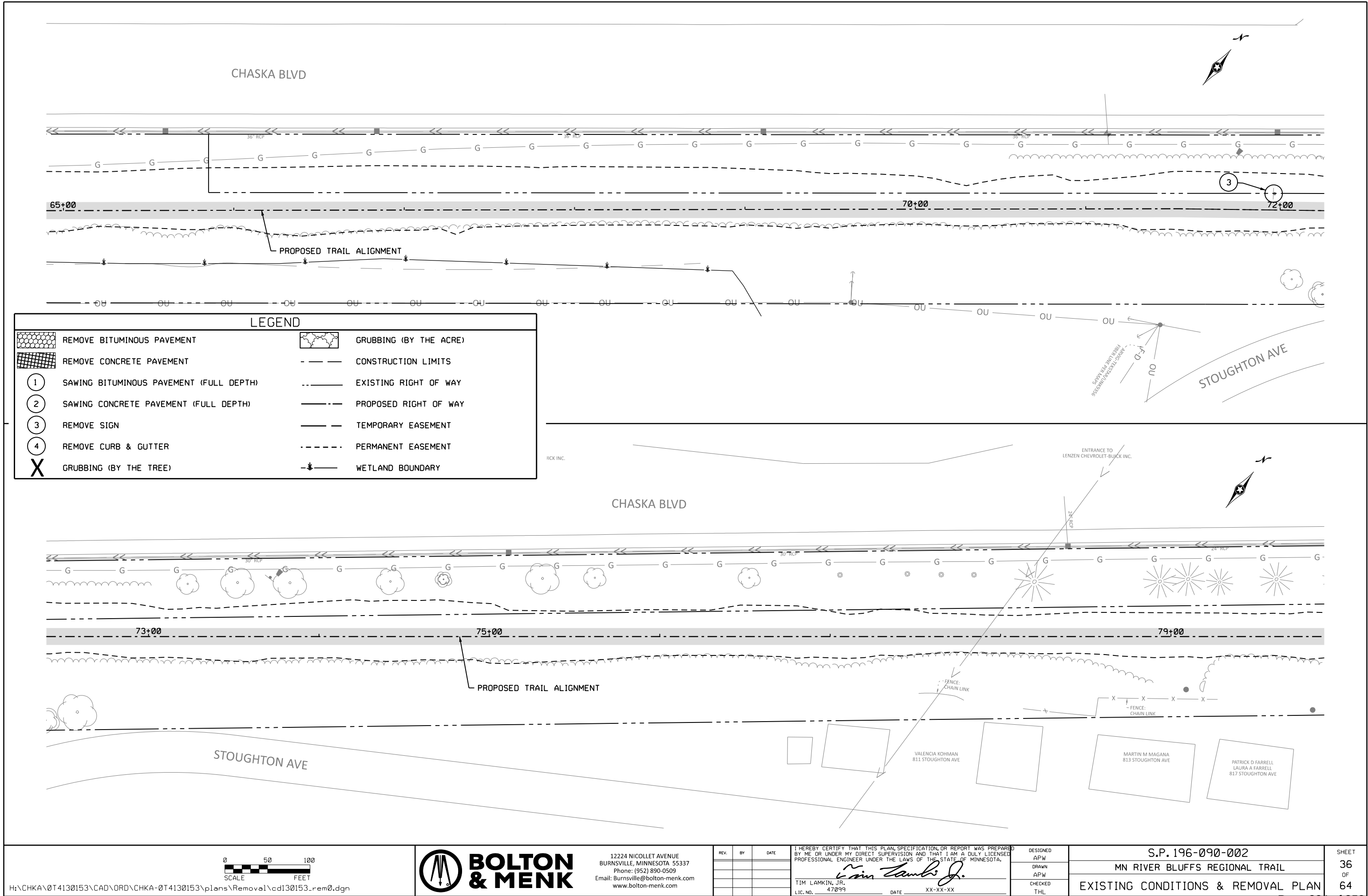
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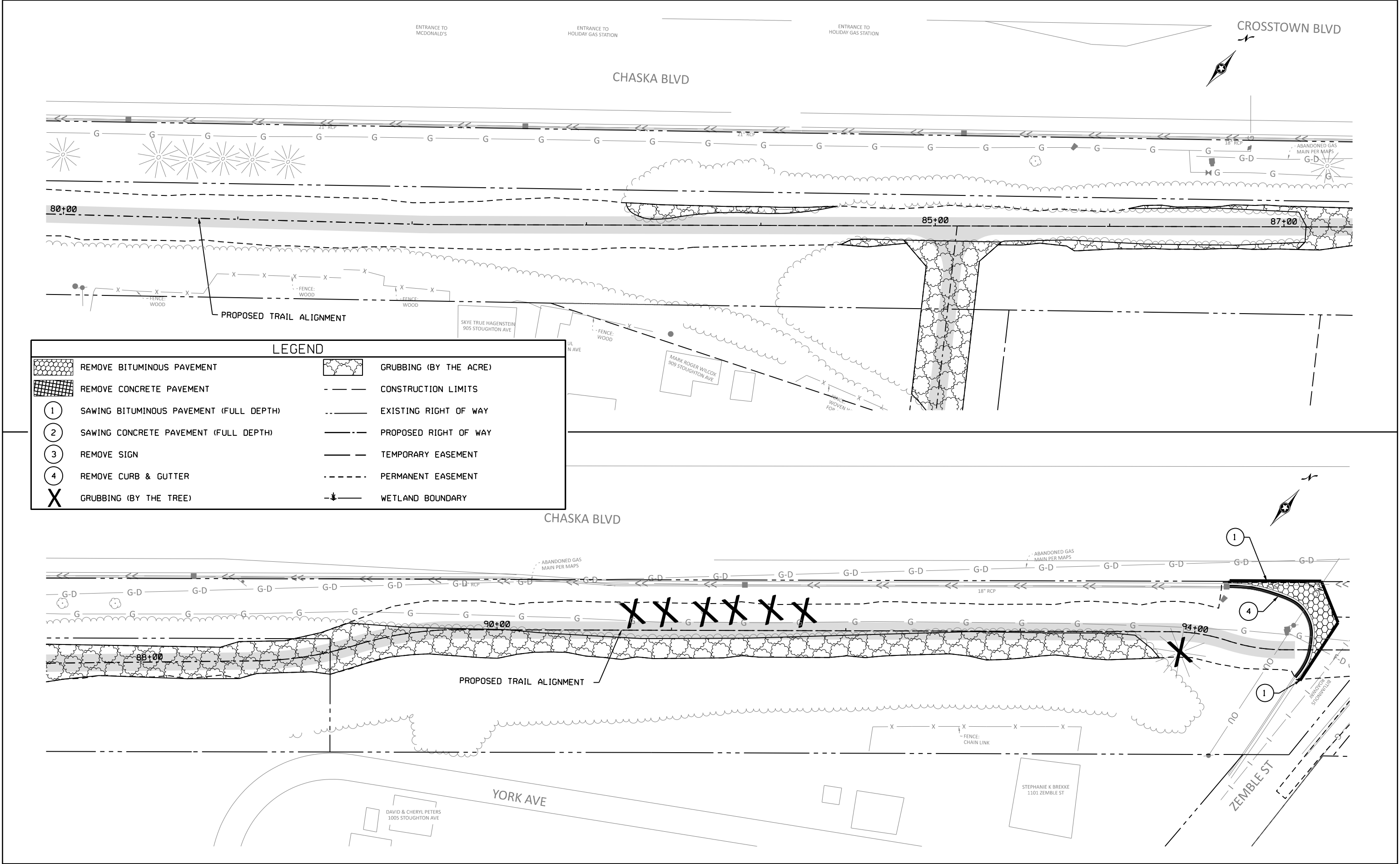
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& MENK

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TIM LAMKIN, JR.

47099

DATE

XX-XX-XX

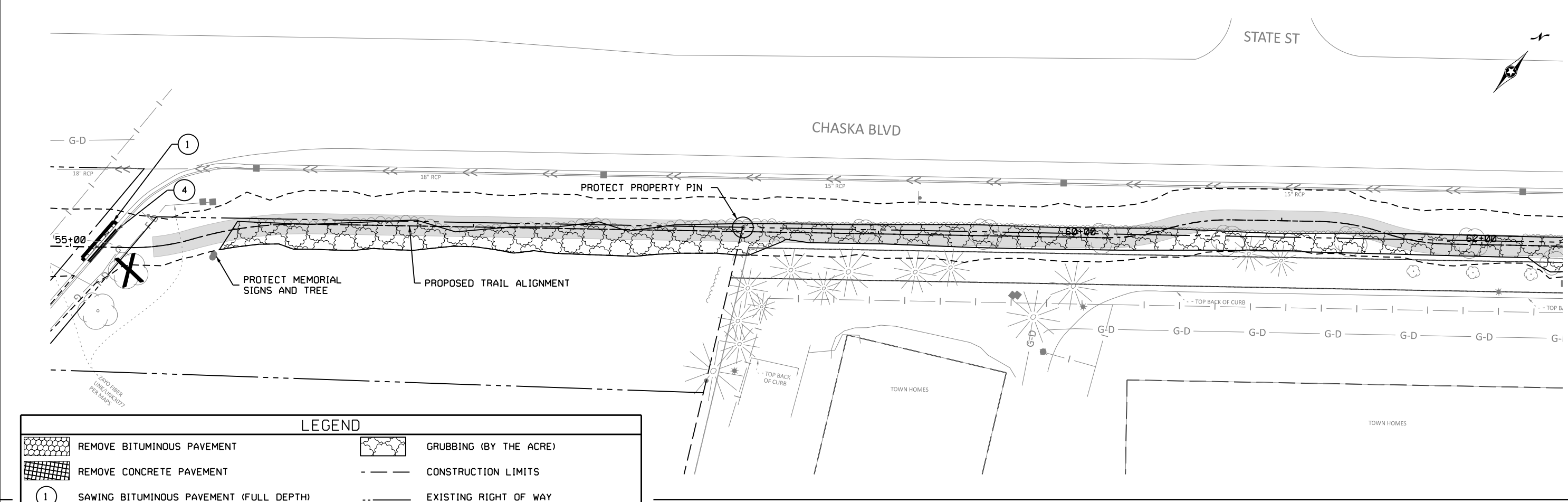
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S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
EXISTING CONDITIONS & REMOVAL PLAN

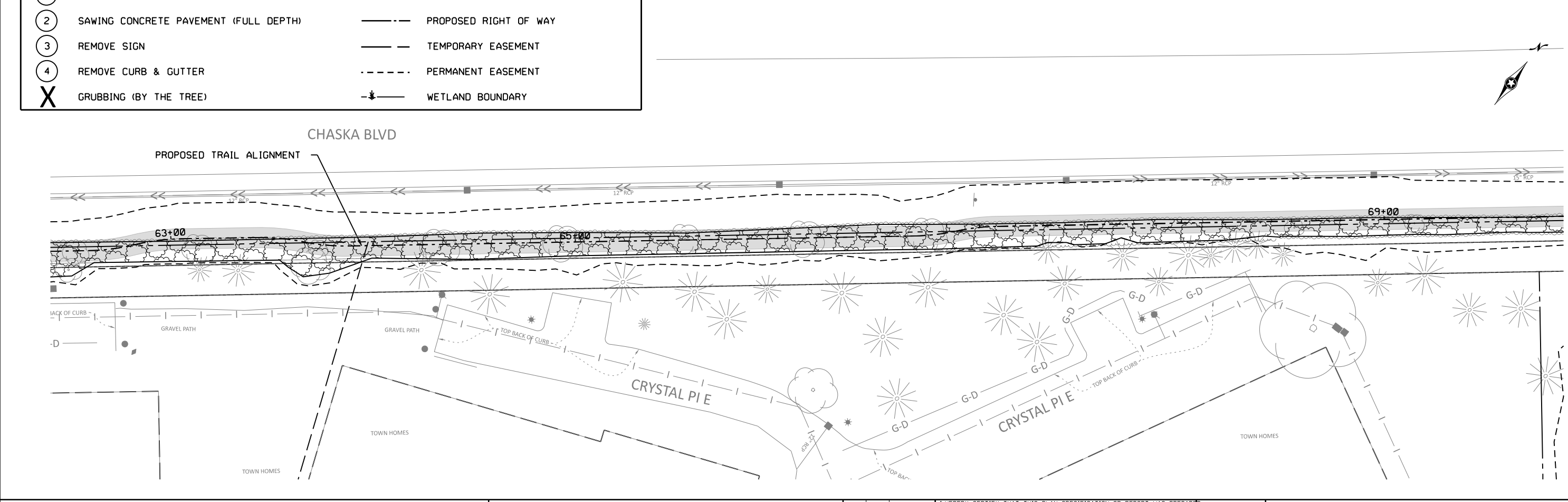
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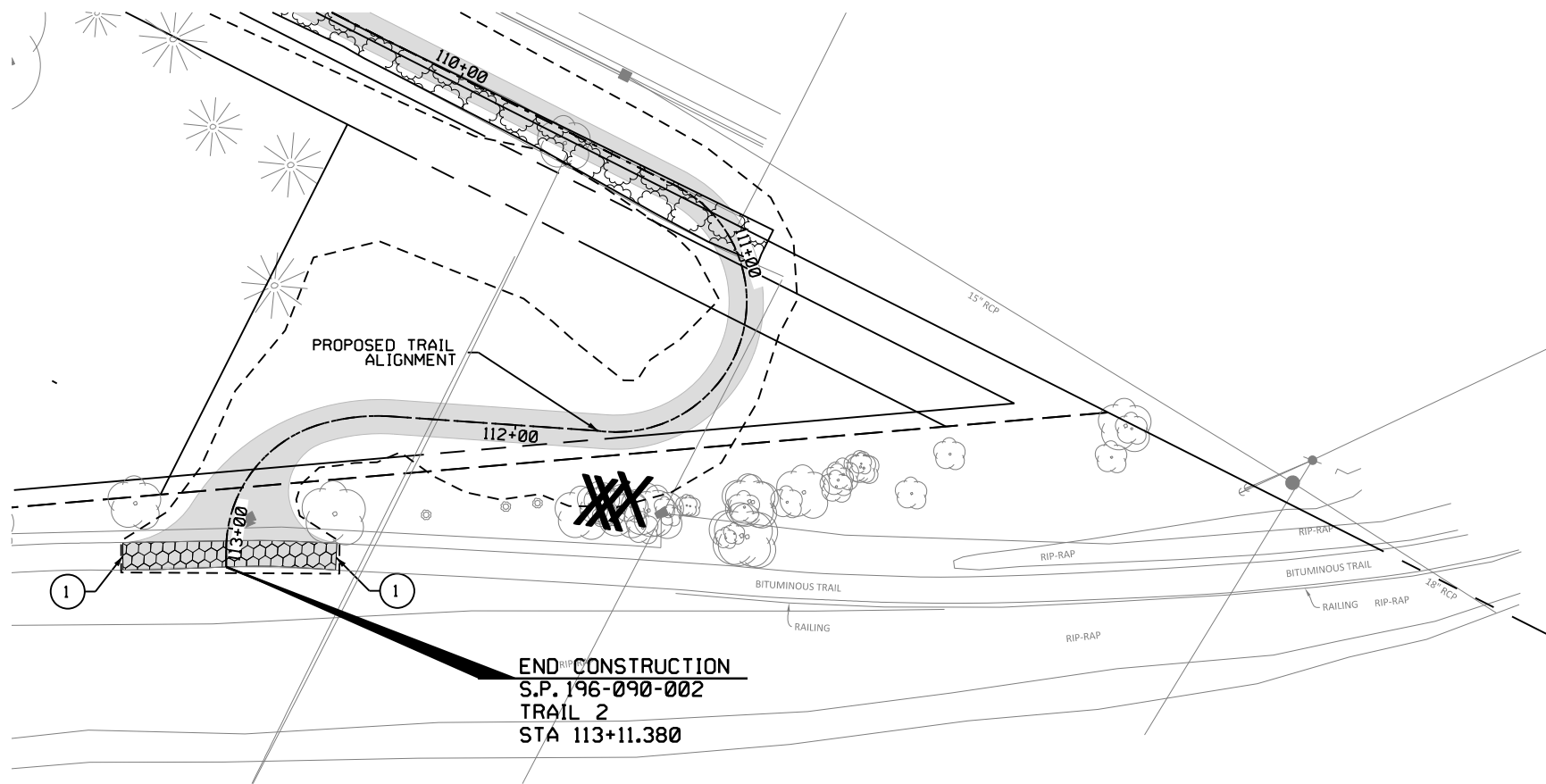
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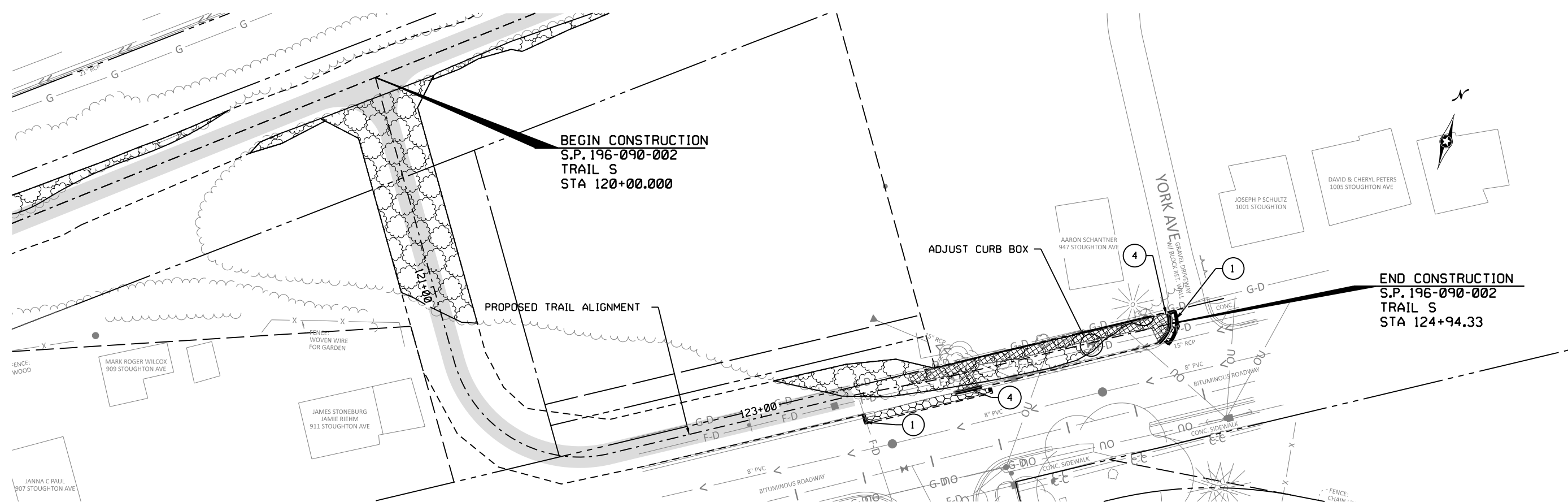


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	GRUBBING (BY THE TREE)		WETLAND BOUNDARY

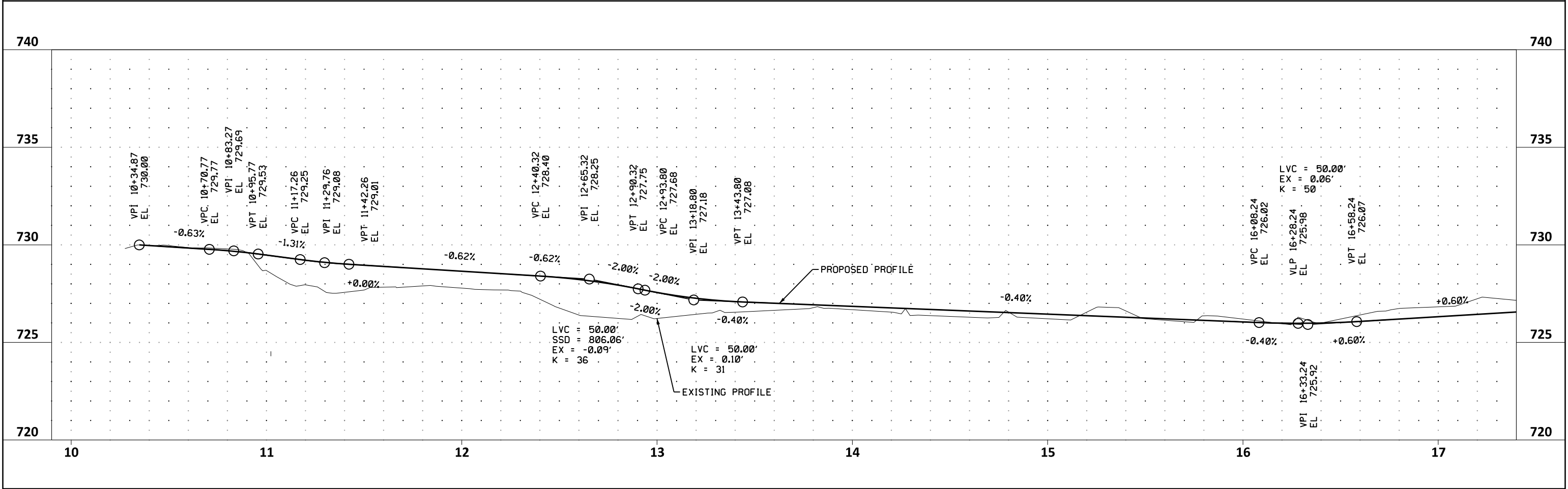
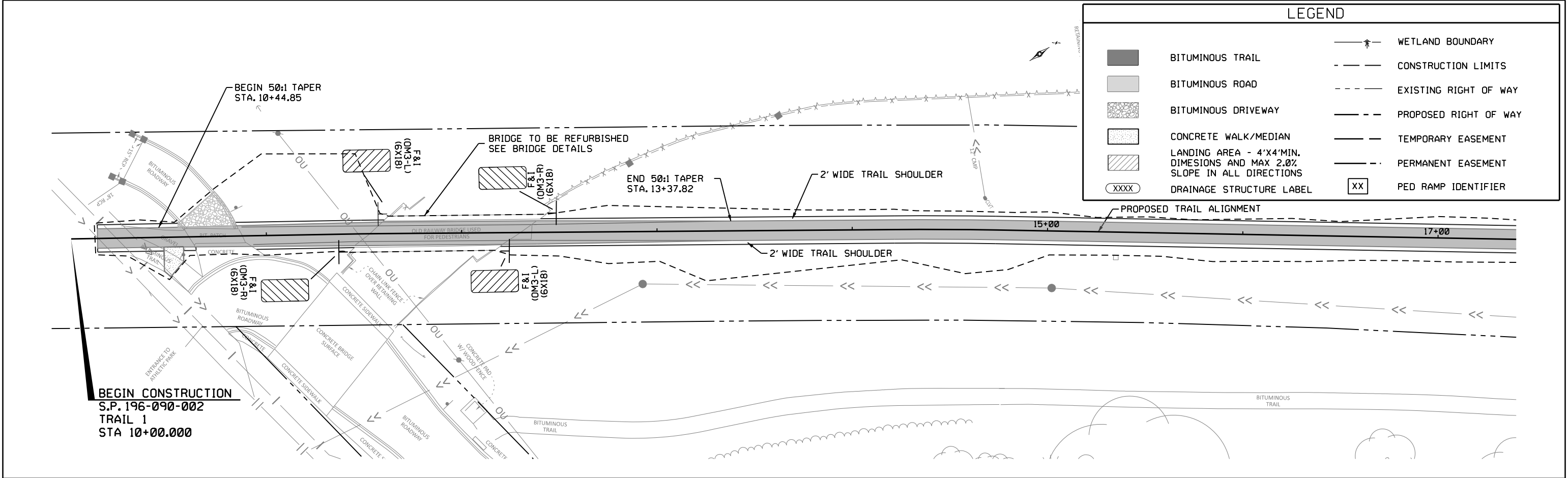




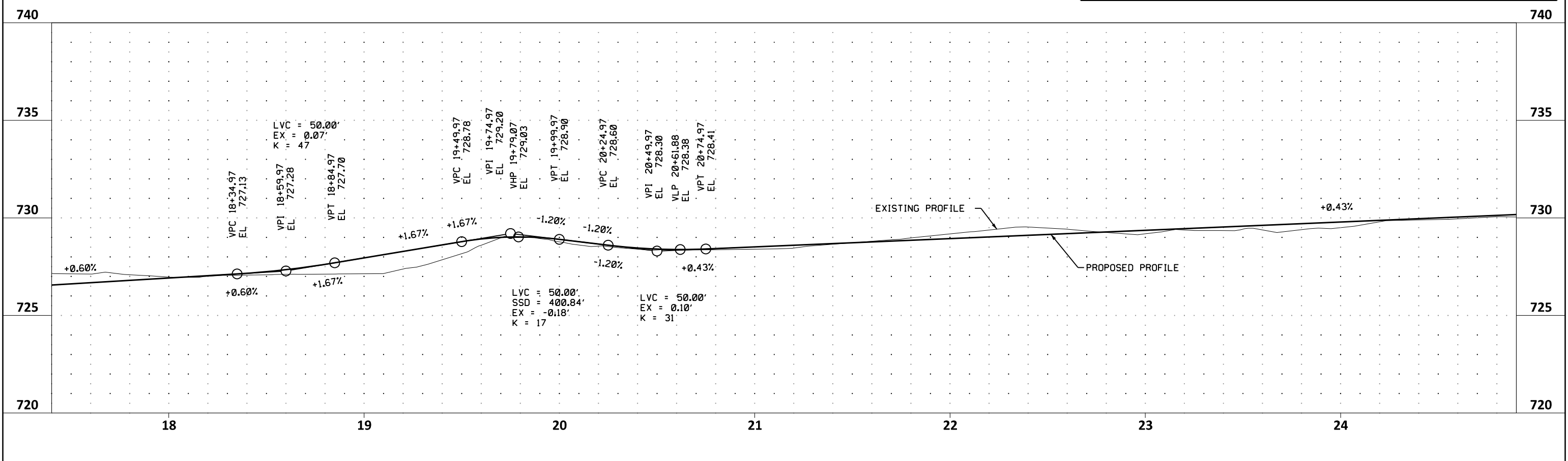
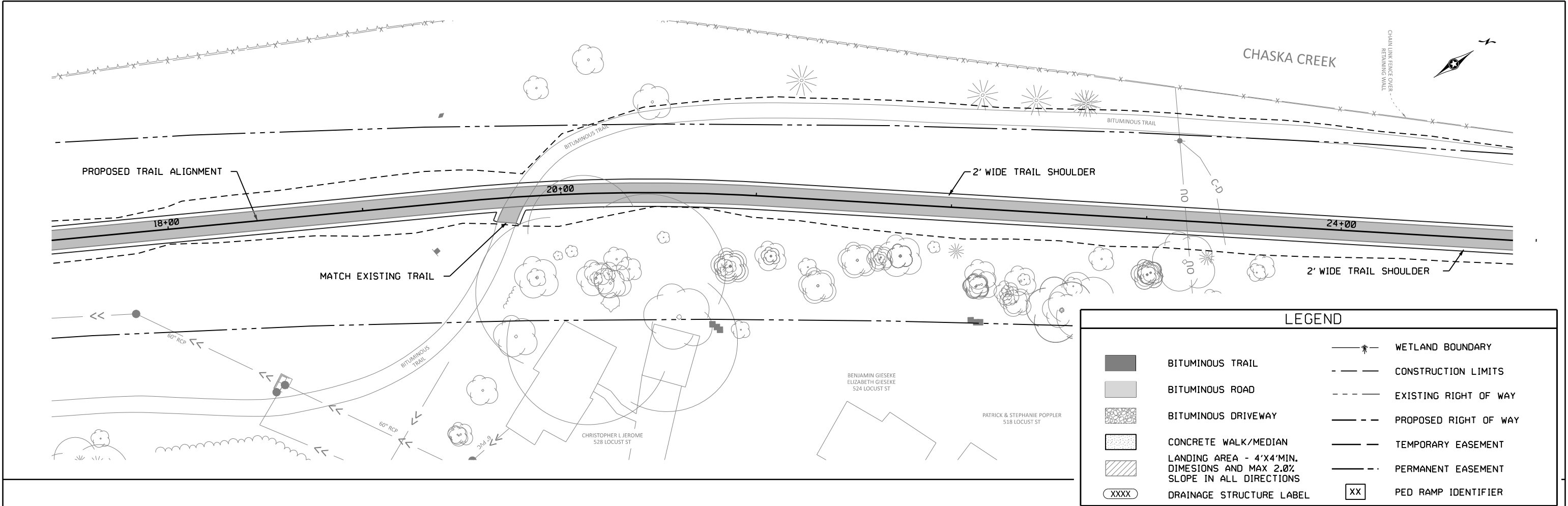
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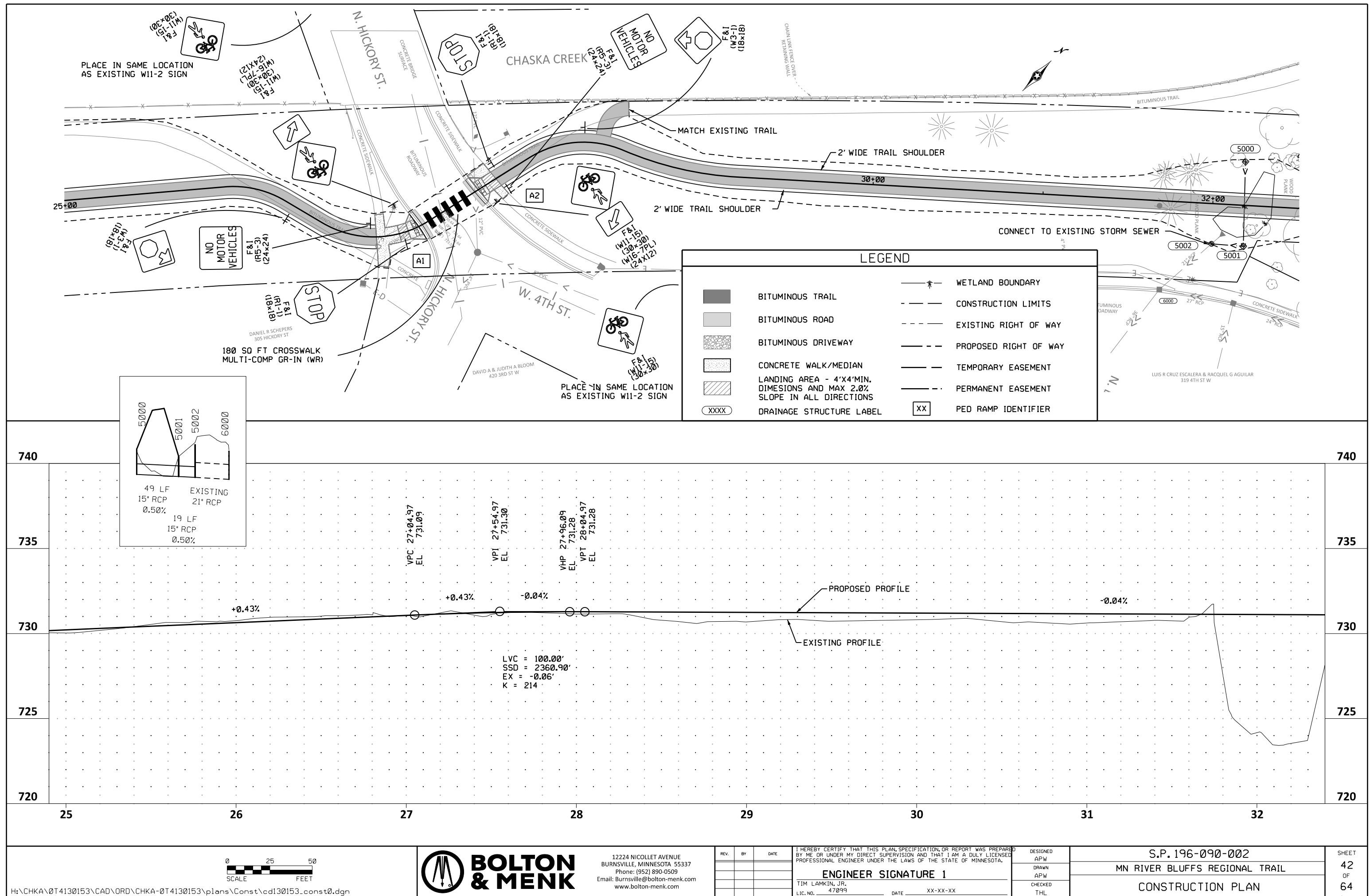


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BITUMINOUS TRAIL

BITUMINOUS ROAD

BITUMINOUS DRIVEWAY

CONCRETE WALK/MEDIAN

LANDING AREA - 4'X4'MIN.
DIMESIONS AND MAX 2.0%
SLOPE IN ALL DIRECTIONS

XXXX DRAINAGE STRUCTURE LABEL

WETLAND BOUNDARY

CONSTRUCTION LIMITS

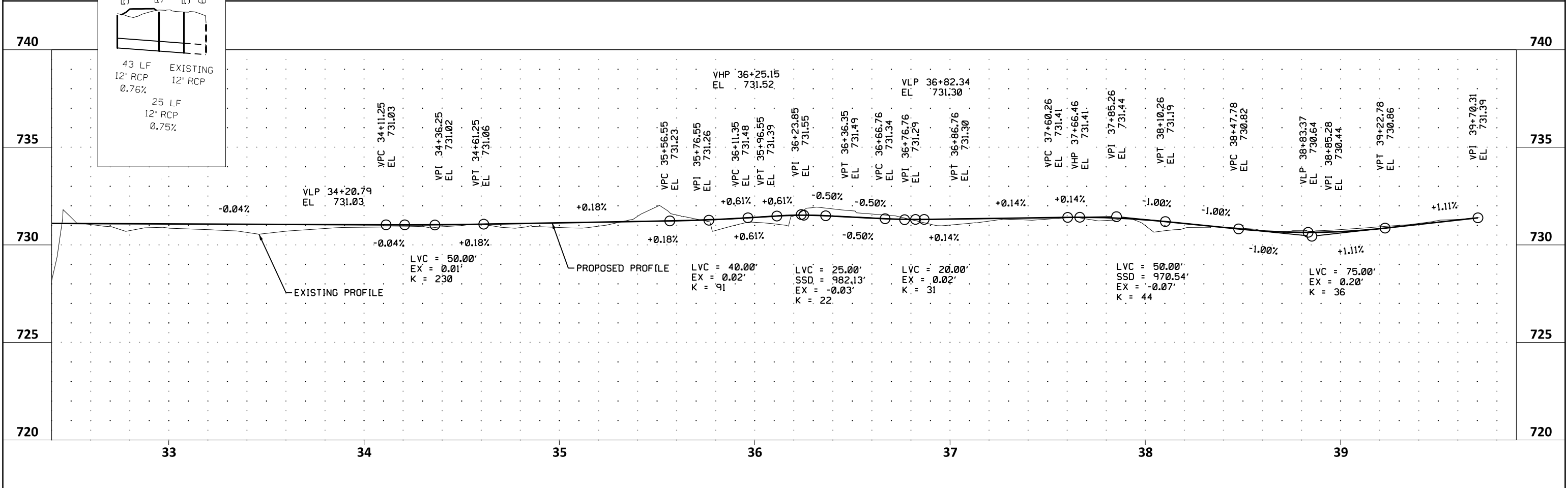
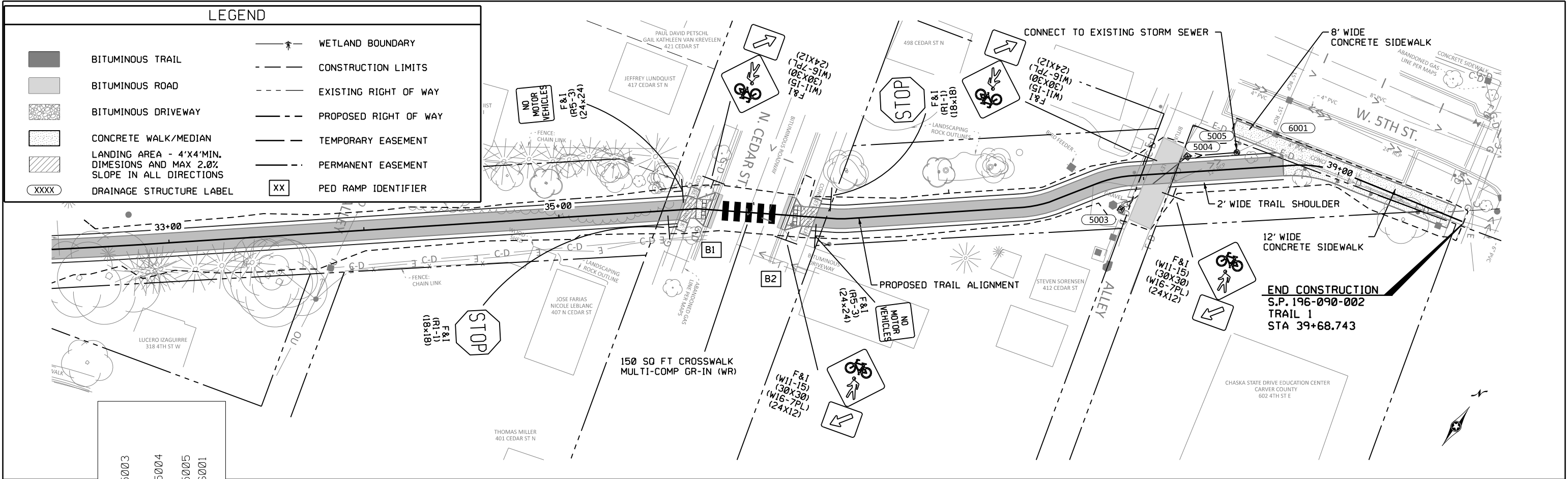
EXISTING RIGHT OF WAY

PROPOSED RIGHT OF WAY

TEMPORARY EASEMENT

PERMANENT EASEMENT

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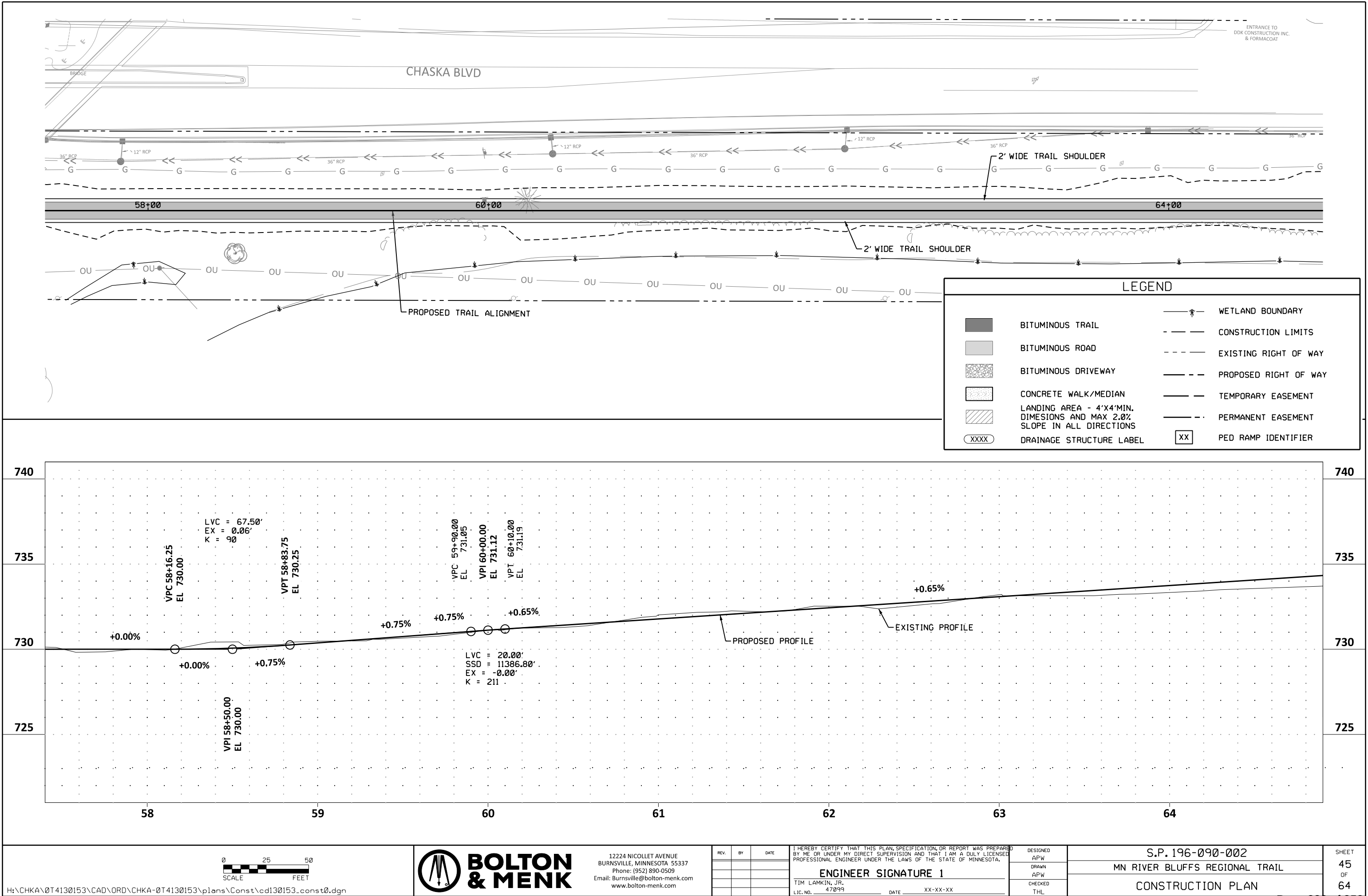
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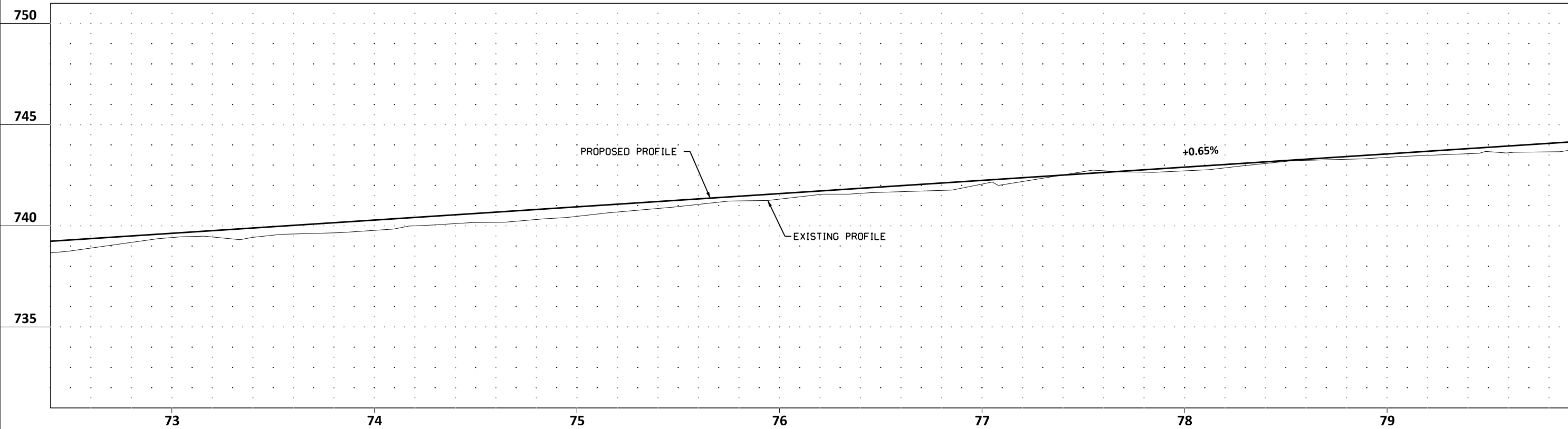
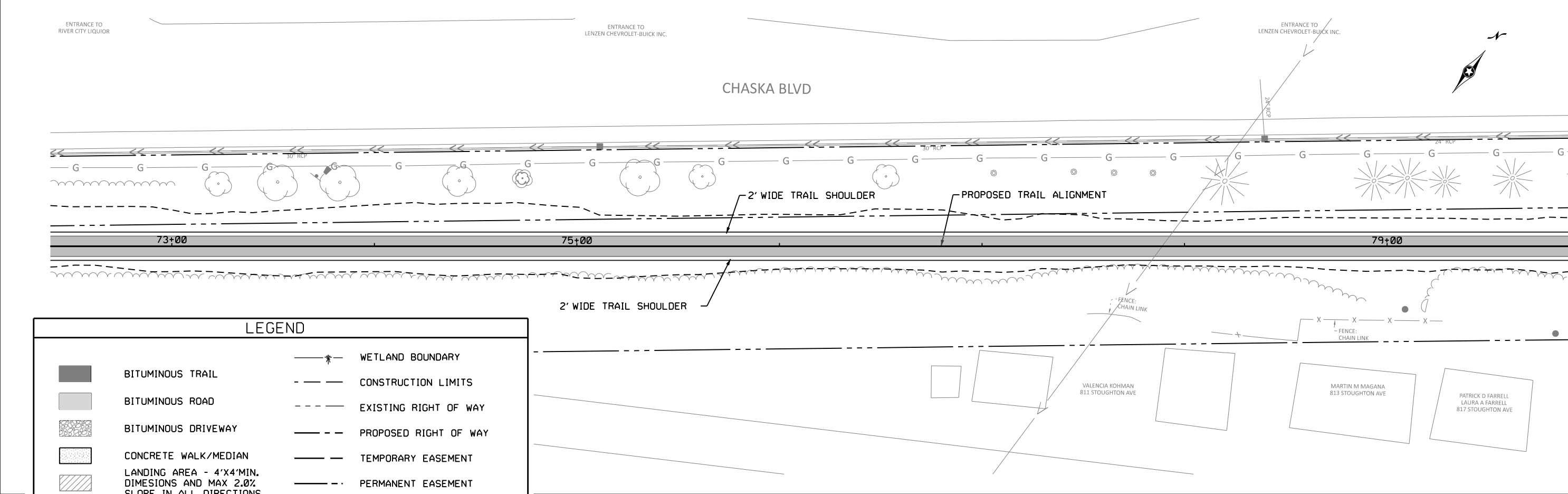
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MN RIVER BLUFFS REGIONAL TRAIL
CONSTRUCTION PLAN

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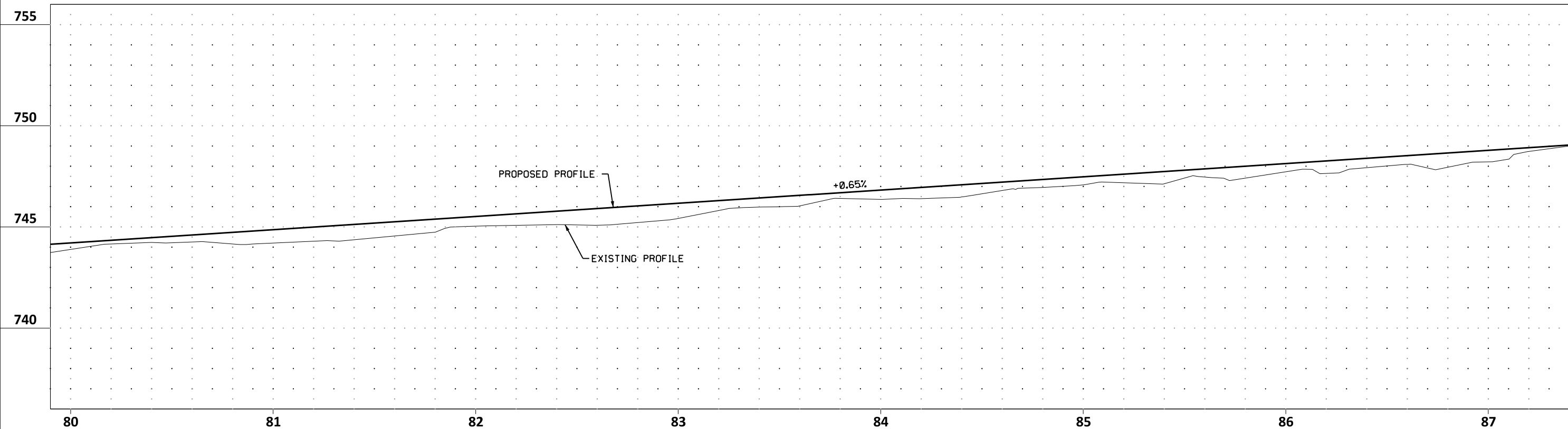
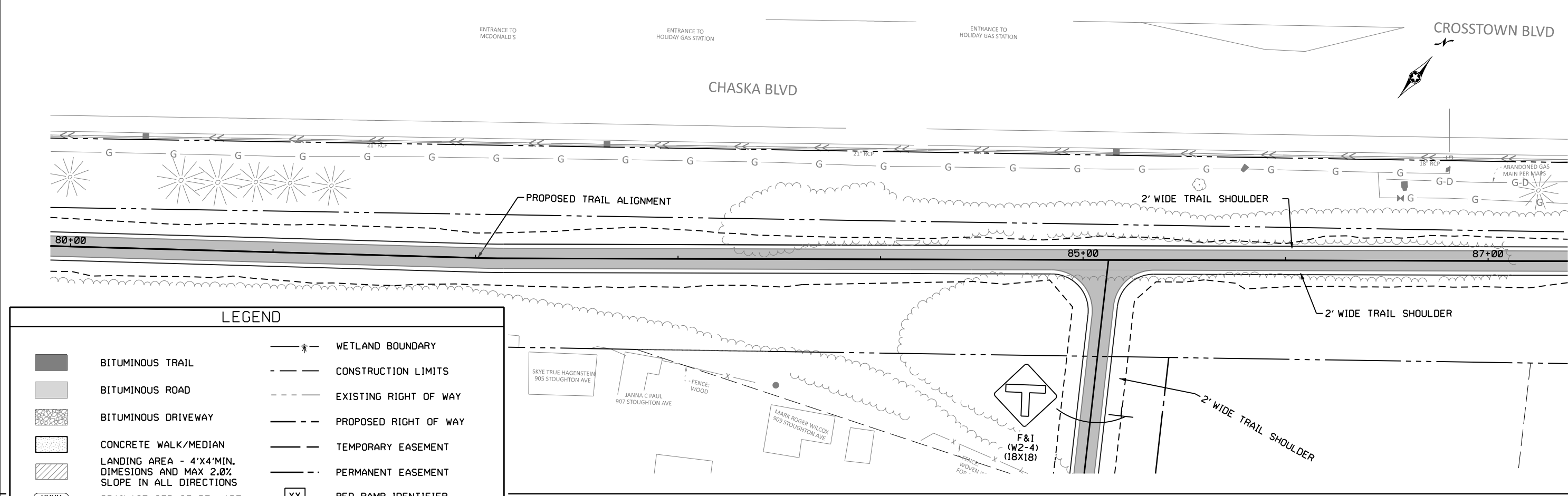


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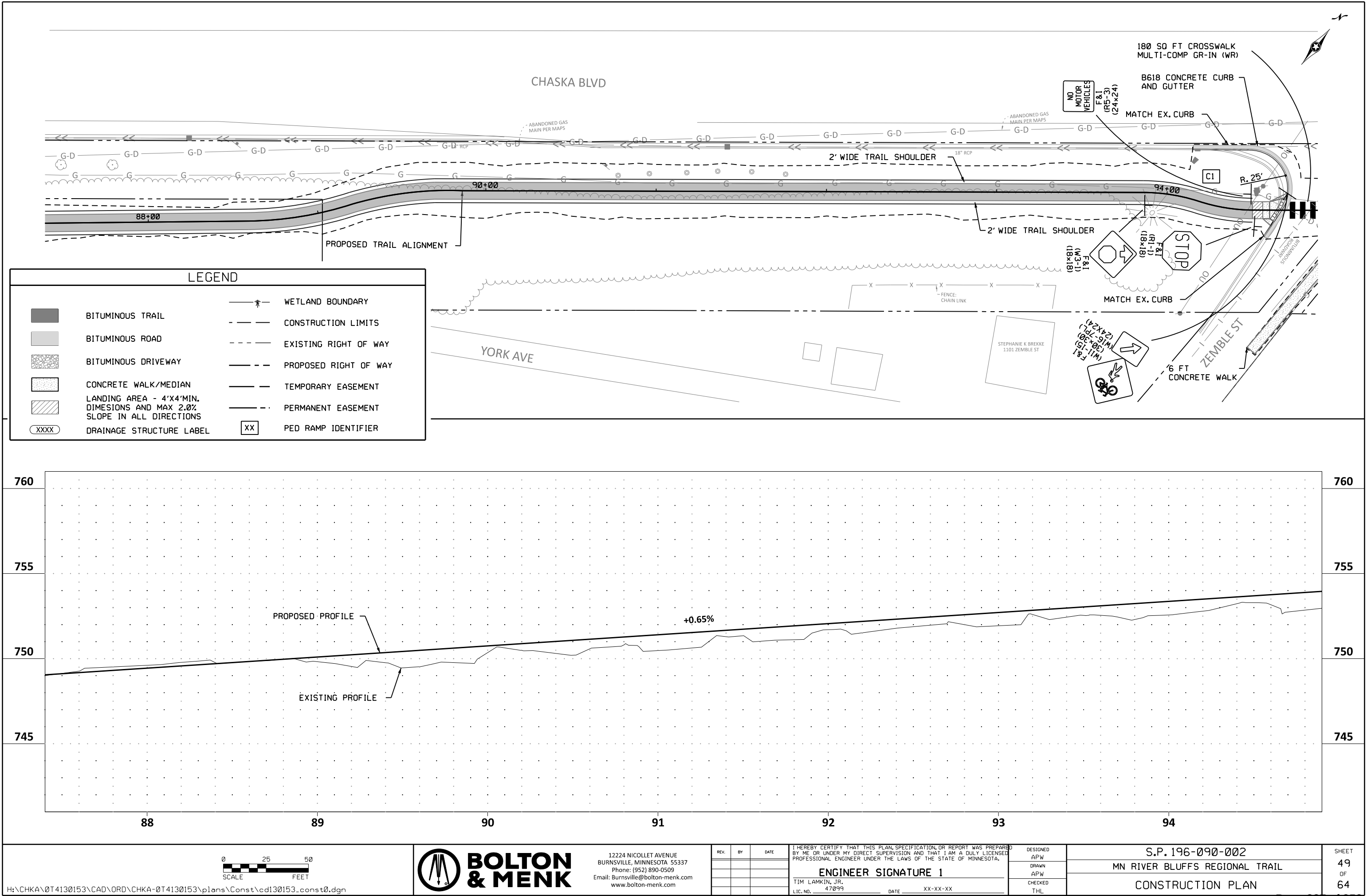
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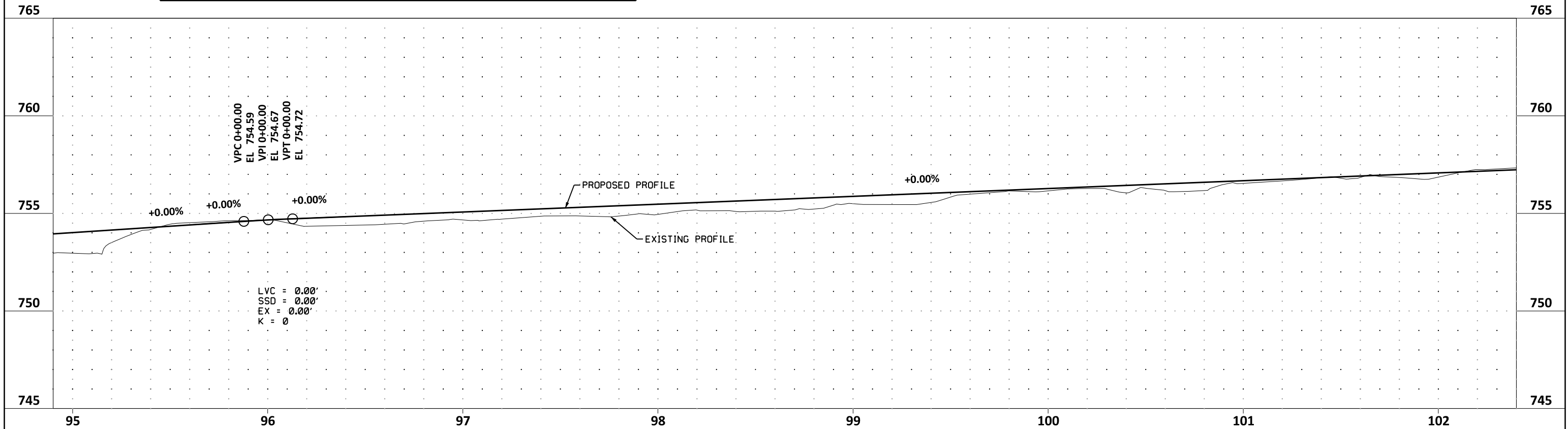
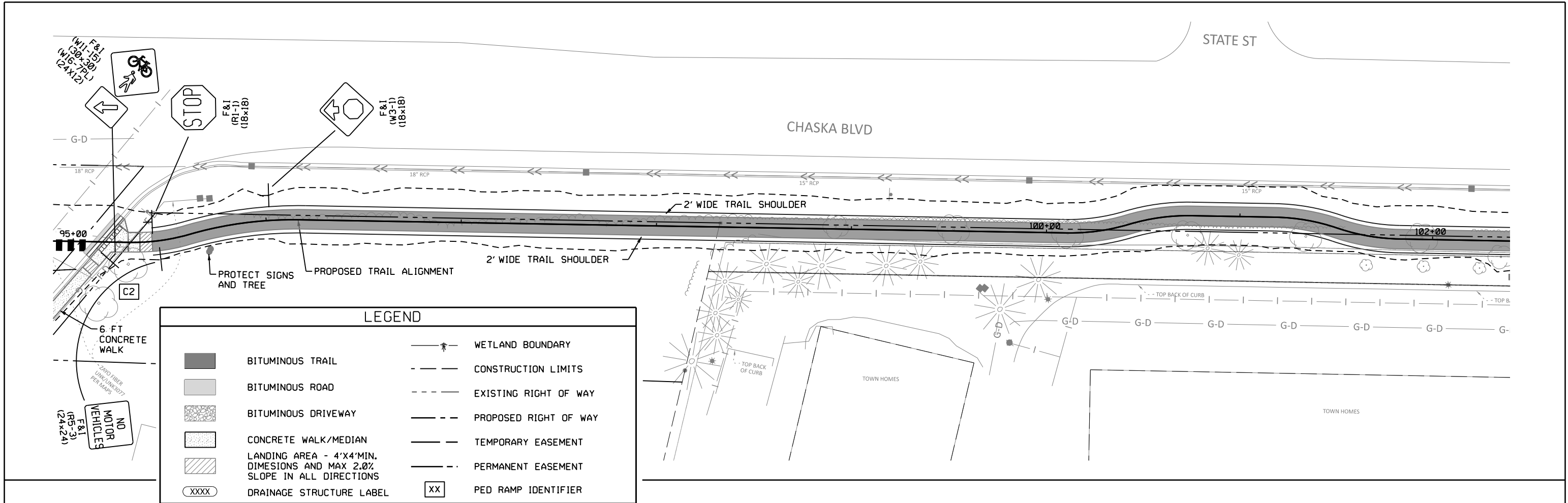


0 25 50 SCALE FEET			BOLTON & MENK 12224 NICOLLET AVENUE BURNSVILLE, MINNESOTA 55337 Phone: (952) 890-0509 Email: Burnsville@bolton-menk.com www.bolton-menk.com	REV.	BY	DATE	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. ENGINEER SIGNATURE 1 TIM LAMKIN, JR. LIC. NO. 47099 DATE XX-XX-XX	DESIGNED APW DRAWN APW CHECKED THL	S.P. 196-090-002 MN RIVER BLUFFS REGIONAL TRAIL CONSTRUCTION PLAN	SHEET 48 OF 64
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BITUMINOUS TRAIL

BITUMINOUS ROAD

BITUMINOUS DRIVEWAY

CONCRETE WALK/MEDIAN

LANDING AREA - 4'X4'MIN.
DIMESIONS AND MAX 2.0%
SLOPE IN ALL DIRECTIONS

XXXX DRAINAGE STRUCTURE LABEL

WETLAND BOUNDARY

CONSTRUCTION LIMITS

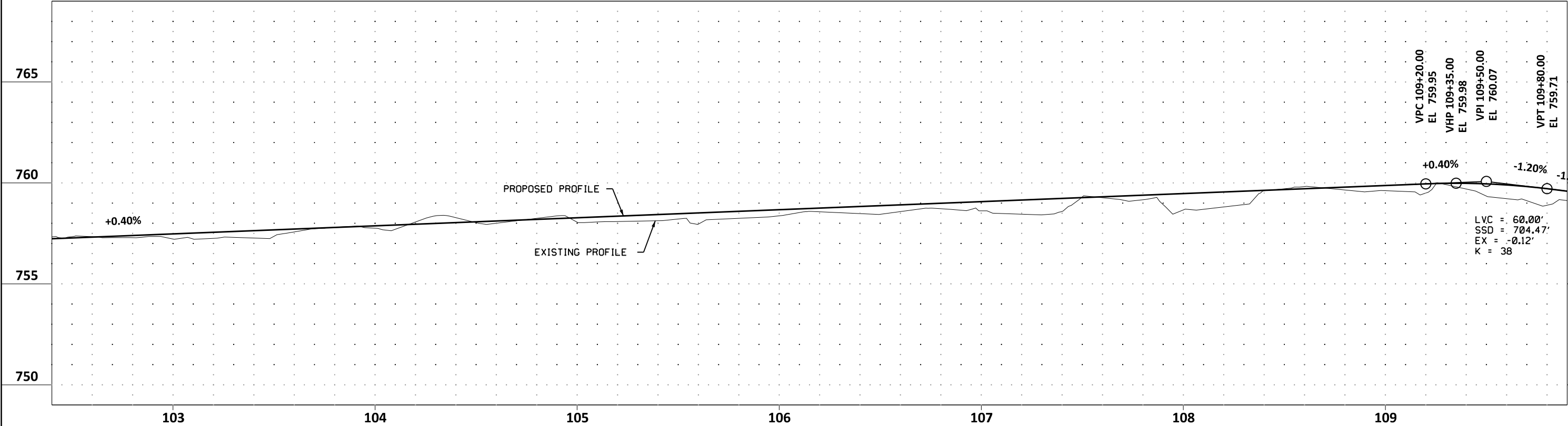
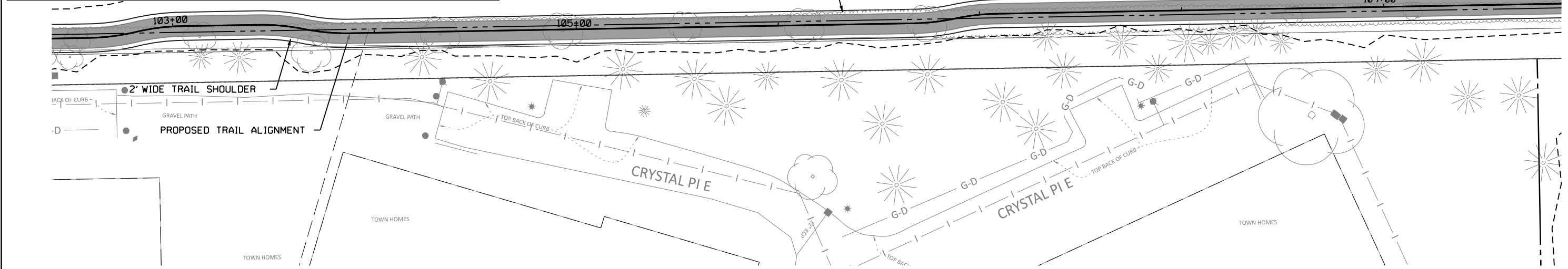
EXISTING RIGHT OF WAY

PROPOSED RIGHT OF WAY

TEMPORARY EASEMENT

PERMANENT EASEMENT

XX PED RAMP IDENTIFIER



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SCALE FEET

BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burns@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
ENGINEER SIGNATURE 1
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

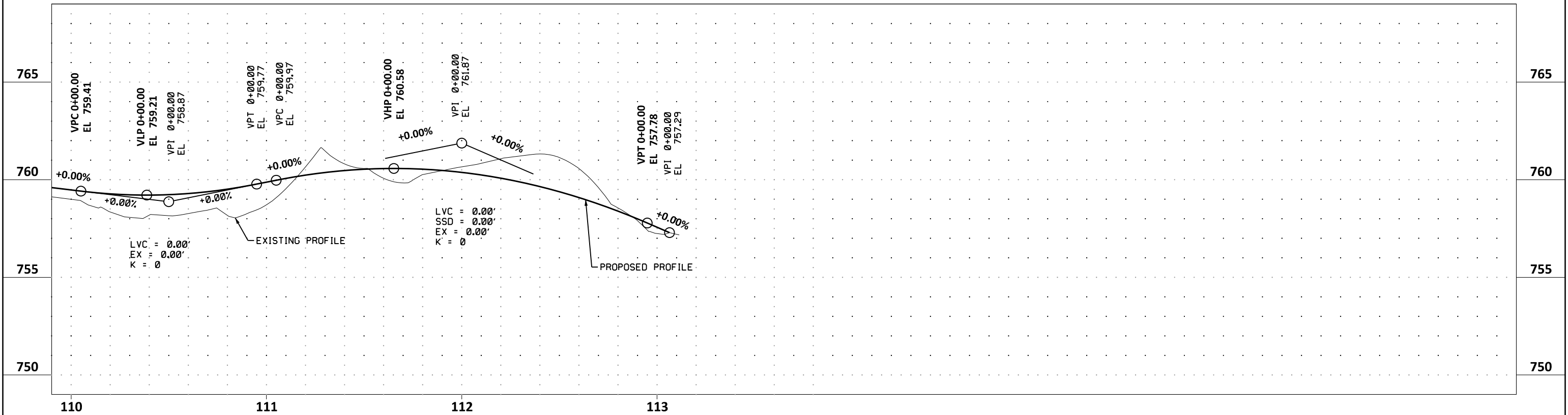
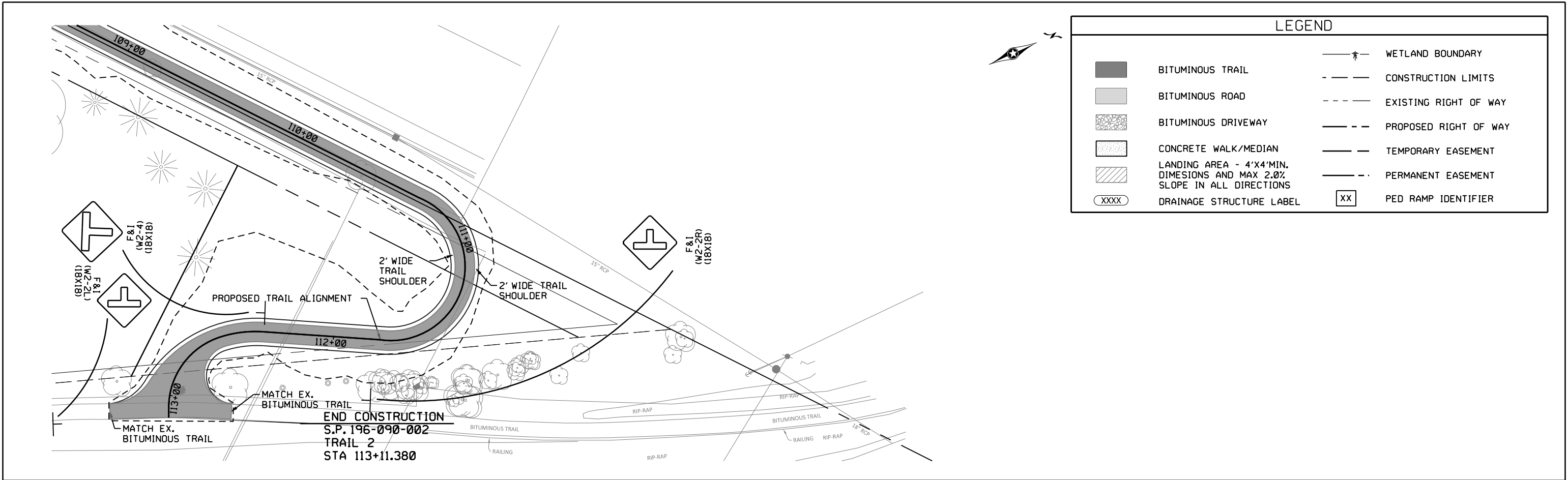
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S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
CONSTRUCTION PLAN

SHEET 51 OF 64

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STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
(NPDES PERMIT IS REQUIRED ON THIS PROJECT)

PROJECT NAME/LOCATION

S.P. 196-090-002 is located on an old railway corridor in the City of Chaska in Carver County.
Latitude: 44.789 Longitude: -93.600 (from Digital Raster Graphic Topo 7.5-minute) Zip Code(s): 55318.

ENVIRONMENTAL REVIEW

There are no stormwater mitigation measures required as a result of an environmental, archeological or agency review. All mitigation measures have been addressed in this plan set or the special provisions. The project is not located in a well head protection area or Drinking Water Supply Management Area (DWSMA).

PROJECT DESCRIPTION/NARRATIVE

The intent of this project is to convert an abandoned railway corridor to a paved trail. This trail will connect into an existing trail network. This project will include trail construction, ADA improvements, and drainage improvements.

LONG TERM MAINTENANCE AND OPERATION

City of Chaska staff are responsible for the long term maintenance and operation of the permanent stormwater system.

PROJECT CONTACTS

The project engineer and contractor are responsible for implementation of the SWPPP and installation, inspection, and maintenance of the erosion prevention and sediment control BMPs before, during and after construction until the Notice of Termination (NOT) has been submitted with the Minnesota Pollution Control Agency (MPCA).

ORGANIZATION	CONTACT NAME	PHONE
SWPPP Designer (Bolton & Menk, Inc.)	John Perkins	612-759-7039
Contractor's Erosion & Sediment Control Supervisor	Name	Phone
Contractor's Erosion & Sediment Control Installer	Name	Phone
City of Chaska Long Term O&M	Name	Phone
City of Chaska Design Project Manager	Alex Mollenkamp	952-227-7537
Minnesota Pollution Control Agency (MPCA)	Josh Norman	651-757-2389
Lower Minnesota River Watershed District	Hannah LeClaire	763-545-4659

MPCA 24 HOUR EMERGENCY NOTIFICATION: 651-649-5451 TOLL FREE: 800-422-0798

EROSION CONTROL SUPERVISOR

In accordance with spec. 2573.3 A1 the contractor shall provide an Erosion Control Supervisor with a valid certification to direct the contractor and subcontractors operations and insure compliance with federal, state and local ordinances and regulations. The Erosion Control Supervisor will work with the project engineer to oversee the implementation of the SWPPP and the installation, inspection, and maintenance and repair of the erosion prevention and sediment control BMPs before, during and after construction until the NOT has been filed with the MPCA.

The Erosion Control Supervisor is responsible for complying with all the inspection and maintenance requirements stated in the NPDES permit. Inspections of the entire construction site will occur a minimum of once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. The Erosion Control Supervisor will oversee inspection of all erosion prevention and sediment control BMPs to ensure integrity and effectiveness of each BMP. All inspections and maintenance conducted during construction must be recorded in writing (within 24 hrs.) and these records must become part of the SWPPP. Inspection reports must be submitted to the project engineer in a format that meets or exceeds the project engineer’s expectations. Records of each inspection and maintenance activity shall include:

- A. Date and time of inspections;
- B. Name of persons conducting inspections;
- C. Findings of inspections, including specific locations where corrective actions are needed;
- D. Corrective actions taken, including dates, times, and party completing maintenance activities;
- E. Date and amount of all rainfall events greater than 0.5 inch in 24 hours;
- F. Photograph and description of discharge (i.e. color, odor, floating, settled or suspended solids, foam, oil sheen,etc.); and
- G. Documents and changes made to the SWPPP.

Rainfall amounts must be obtained by a properly maintained rain gage on site, a weather station within 1 mile of site, or a weather reporting system that provides site specific rainfall data from radar summaries.

LOCATION OF SWPPP REQUIREMENTS

The required SWPPP elements are located in several places within the plan set as well as in the special provisions, MnDOT spec book (2020 edition) and MnDOT supplemental specs (2022 edition). The notes and table below are a quick reference for the contractor and project engineer to use in the field. There may be additional required SWPPP elements included on the project that are not listed on this sheet.

SWPPP TRAINING

This SWPPP was prepared by personnel certified, or under the supervision of someone certified, in the design of construction SWPPPs. Copies of the certifications are on file with Hennepin County and are available upon request. The contractor is responsible for providing an erosion control supervisor with valid certification that is responsible for overseeing the implementation of the SWPPP. The contractor must provide proof of certification at the preconstruction meeting and will not be allowed to commence work until proof of certification has been provided to the project engineer.

PROJECT WATERBODIES

The following waterbodies are located within one mile of the project limits and receive runoff from the project site. If any of the waterbodies are special or impaired waters, the BMPs described in Section 23 of the NPDES permit will apply to all areas of the site. Approved TMDL implementation plans are also listed.

NAME	TYPE	SPECIAL?	IMPAIRED?	APPROVED TMDL?
East Creek	Creek	NO	YES	N/A
Minnesota River	River	NO	YES	YES

No work shall occur within the banks of DNR designated Public Waters between March 1 and June 15. Stabilization of soils within 200 feet of the waters edge must be completed within 24 hours during this period.

STORMWATER CONTROLS AND PRECIPITATION

The contractor must plan and implement BMPs to protect receiving waters. The average annual rainfall amount for the project area is 32.4 inches. Average 2-year and 10-year rainfall intensities are 3.72 in/hr and 5.64 in/hr respectively, assuming a Time of Concentration of 10 minutes.

LAND FEATURE CHANGES

Total disturbed area: 8.8 acres
Total existing impervious surface area: 2.1 acres
Total post construction surface area: 2.3 acres
Total proposed net change in impervious surface area:0.2 acres

ADDITIONAL SWPPP REQUIREMENTS

- Timing for Installation is described in General SWPPP notes and are specified relative to contractor schedule.
- BMP Design Factors are incorporated in the design of BMP Standard Detail Sheets.
- Soil Management:

The project area is well suited for infiltration due to sandy soils.

Grading Projects: subsoiling and seeding practices will be done to mitigate for compatcton and disturbance beyond the trail core.
- All MPCA Construction Activity Requirements are incorporated into this SWPPP and associated plan documents.

LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN

DESCRIPTION	LOCATION
SITE MAP & EROSION CONTROL SHEETS	SHEETS NO. TBD
DIRECTION OF FLOW	SHEETS NO. TBD
FINAL STABILIZATION	SHEETS NO. TBD
SOILS AND CONSTRUCTION NOTES	SHEETS NO. TBD
DRAINAGE PLAN/PROFILE SHEETS	SHEETS NO. TBD
DRAINAGE TABULATION	SHEETS NO. TBD
EROSION AND SEDIMENT CONTROL DETAILS	SHEETS NO. TBD
EROSION CONTROL TABULATION	SHEETS NO. TBD
TURF ESTABLISHMENT TABULATION	SHEETS NO. TBD

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LIC. NO. 56278DATE XX-XX-XX

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MN RIVER BLUFFS REGIONAL TRAIL
SWPPP

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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (CONTINUED)

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITY

1.

Construction shall be governed by the 2018 NPDES Construction Stormwater Permit, MnDOT Spec Book (2020 Edition), project plans, and special provisions. Reference special provision 1717 for additional MPCA NPDES requirements. The contractor will develop a chain of command with all operators on the site to ensure that the SWPPP will be implemented and stay in effect until the construction project is complete, the entire site has undergone final stabilization, and the NOT has been submitted.
2.

The contractor will prepare a written, weekly schedule of proposed erosion control activities for the Project Engineer's approval as per MnDOT Spec 1717.2B.
3.

The contractor will prepare and submit a site plan for the Engineer's approval as per MnDOT Spec 1717.2C for concrete management, work in environmentally sensitive areas, areas identified in the plans as "site plan requirement area", any work that will require dewatering, the staging of inlet protection devices over the life of the contract, and as requested by the engineer. All site plans must be submitted to the engineer in writing. The contractor shall allow a minimum of 7 days for Hennepin County to review and approve site plan submittals. The contractor will not be allowed to commence work for which a site plan is required until approval has been granted by the engineer. The contractor will not be given any extra time in the contract due to the untimely submittal of a site plan.
4.

The contractor will comply with the requirements regarding pollution prevention management during construction, which will include, but not be limited to:

A.

Concrete (including stucco, paint, form release oils, curing compounds, and other construction materials) washout areas for use by all subcontractors and Washington County personnel must be identified by signage. These areas must be at least 200' from site plan requirement areas or environmentally sensitive areas, and utilize a leak-proof containment facility or impermeable liner that prevents runoff onto adjacent soils. An engineered collection system can also be used if it is approved by the project engineer. Liquid and solid waste must be disposed of properly and in compliance with all MPCA regulations.

B.

Solid waste including, but not limited to, collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris, and other wastes, must be disposed of properly and in compliance with MPCA disposal requirements.

C.

Hazardous waste, such as, oil, gasoline, paint, and other 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.

D.

External washing of trucks and other construction vehicles is not allowed on site. Engine degreasing is not allowed on site.

E.

Chemical spill kits must be available on site at all times.

F.

Portable restroom facilities must be anchored to prevent tipping.

5.

Chemicals must be kept in a secure storage area when not in use. Chemical storage containers must have secondary containment when being used or stored on the project site. Chemical spills of any kind (oil, fuel, fertilizer, etc.) must be cleaned up and removed from the site immediately.

6.

The contractor is responsible for creating and following a written disposal plan for all waste materials, and submitting the plan to the engineer. The plan will include how the material will be disposed of and the location of the disposal site.

7.

Burning of any material is not allowed within project boundary.

8.

The erosion prevention and sediment control BMPs shall be placed as necessary to minimize erosion from disturbed surfaces and to capture sediment onsite. All erosion control measures shall be in place prior to starting any removal work and/or ground disturbing activities and shall be maintained until temporarily or permanently stabilized.

9.

Sediment control devices must be established on all down gradient perimeters before any up gradient land disturbing activities begin.

10.

Storm sewer inlets will be protected at all times with the appropriate inlet protection for each specific phase of construction. Inlet protection devices may need to be placed multiple times in the same location over the life of the contract. Inlet protection devices will be paid for once per inlet regardless of the number of times the BMP is placed. All storm sewer inlet protection devices will be kept in good functional condition at all times. If the project engineer deems an inlet protection device to be nonfunctional, in poor condition, ineffective, or not appropriate for the current construction activities it will be replaced with a suitable alternative at no cost to Hennepin County.

11.

The contractor will place construction exits, as necessary, to prevent tracking of sediment onto paved surfaces and in compliance with Section 9 of the NPDES permit. Construction exits will be sufficiently sized and maintained to prevent track out. Type 5 mulch (slash mulch) or an approved engineered product will be allowed for construction exits in lieu of crushed rock.

12.

All stormwater, including dewatering, must be discharged in a manner that does not cause nuisance conditions or erosion in receiving channels, downslope properties or inundation in wetlands causing an adverse impact to the wetland as determined by the engineer.

13.

Backfill placed in streams shall consist of rock or granular material free of fines, silts, and mud. Machinery shall be cleaned of all such material and free of grease, oil, etc. before entering the stream.

14.

Slopes steeper than 1:3 (V:H) and greater than 75' in length shall be temporarily or permanently stabilized in increments not to exceed 75' in length prior to constructing or disturbing a new increment. If temporary or permanent stabilization is not feasible at a particular site, a sediment basin or other approved sediment control measure will be allowed as approved by the engineer.
15.

Land disturbance and removal of riparian (streamside) vegetation shall be minimized.
16.

All exposed soil areas must be temporarily or permanently stabilized no more than 14 days (7 days if within 1 mile of and draining to a special or impaired water) after construction activity on that portion of the site has temporarily or permanently ceased. Stabilization must be initiated immediately. In many instances, this will require stabilization to occur more than once during rough grading. Rapid stabilization methods 1, 2, 3 or 4 will be used to provide temporary cover, as appropriate, in these areas.
17.

All temporary or permanent drainage ditches or swales that drain water from the construction site or divert water around the construction site must be stabilized to top of bank within 200 lineal feet from the property edge or point of discharge to any surface water. Stabilization must occur within 24 hours of connection to surface water, existing gutter, storm sewer inlet, drainage ditch, or other stormwater conveyance system according to MnDOT Spec 1717.2. Rapid stabilization Method 4 will be used to stabilize these areas. The remainder of the ditch must be stabilized within 14 days (7 days if within 1 mile of and draining to a special or impaired water) of connecting to the surface water. Permanent erosion control blanket or rapid stabilization Method 4 will be used to stabilize these areas. Disc anchored mulch and hydraulic soil stabilizers are not allowed to be used for permanent ditch stabilization.
18.

Outlets shall be permanently or temporarily stabilized with energy dissipation within 24 hours of being constructed.
19.

All exposed soil areas will be stabilized prior to the onset of winter. Any work still being performed will be snow mulched, seeded, or blanketed within the time frames indicated in the NPDES permit.
20.

The contractor shall comply with the following inspection and maintenance requirements:

A.

Perimeter control devices must be repaired, replaced, or supplemented when it becomes non-functional or sediment reaches 1/2 the height of the device. Repairs must be made within 24 hours of discovery.

B.

Inlet protection devices should be repaired when they become non-functional or sediment reaches 1/3 the height and/or depth of the device.

C.

Temporary and permanent sediment basins must be drained and have the sediment removed once the sediment has reached 1/2 the storage volume within 72 hours of discovery.

D.

Tracked sediment must be removed within 24 hours of discovery of tracking onto paved surfaces.

E.

All other non-functional BMPs must be repaired, replaced, or supplemented within 24 hours of discovery.

F.

Contractor is responsible for maintaining all BMPs until all soil disturbing work has been completed, site has gone under final stabilization, and the NOT has been submitted.
21.

If sediment deposits in a surface water (including drainage ditches and conveyance systems), the material must be removed within 7 days.
22.

Pavement surfaces shall be swept within 24 hours of discovery of sediment or tracking onto pavement that drains to curbs, inlets, ditches, or ponds. Pavement shall be lightly wetted prior to sweeping.
23.

Temporary dewatering activities may be required for roadway construction and utility work. The city of St. Louis Park regulates all dewatering
24.

Final stabilization requires that:

A.

All soil disturbing activities at the site have been completed.

B.

All soils have been stabilized by a uniform perennial cover with a density of 70% or other equivalent means to prevent soil failure under erosive conditions.

C.

All accumulated sediment has been removed from permanent water quality basins.

D.

The permanent stormwater management system has been constructed and is operating as designed.

E.

All temporary synthetic and structural erosion prevention and sediment control BMPs have been removed.
25.

The size and elevation of storm sewer pipes, inlets and overflow devices have been specifically designed to conform to MnDOT design standards, MPCA and watershed district permit requirements. Changing flow directions, quantities, or patterns is not permitted. Any changes to the size, elevation or direction of flow of the drainage system must be approved by the hydraulics engineer.
26.

Filing of the NOT is completed electronically through the MPCA permitting webpage. When the project has met the requirements for submission of the NOT, notify the MnDOT District 7 Construction Office to coordinate the process..
27.

Temporary soil stockpiles must have silt fence or other effective perimeter control. Soil stock piles must be covered with mulch, plastic or other BMP if left in place for more than 7 days (incidental).

Note: information on this sheet is available in the permit and is not intended to be all inclusive. Modifications from the permit will be underlined for quick identification.

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SWPPP SITE & SOILS MAP

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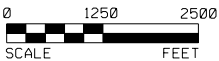
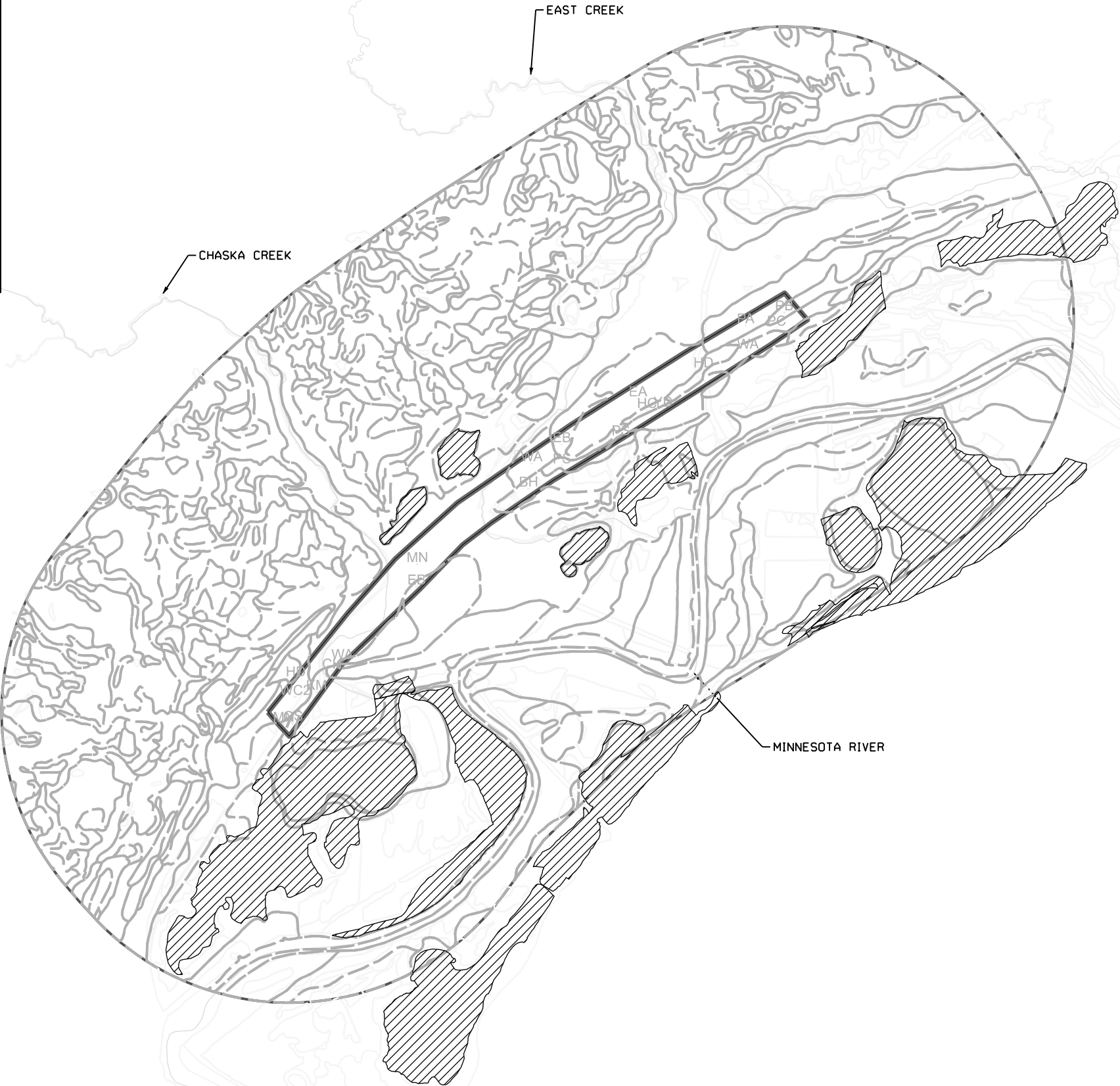
IMPAIRED,
SPECIAL OR
PROTECTED WATERS

NATIONAL
WETLANDS
INVENTORY

PROJECT BOUNDARY

1 MILE BOUNDARY

SOIL TYPE



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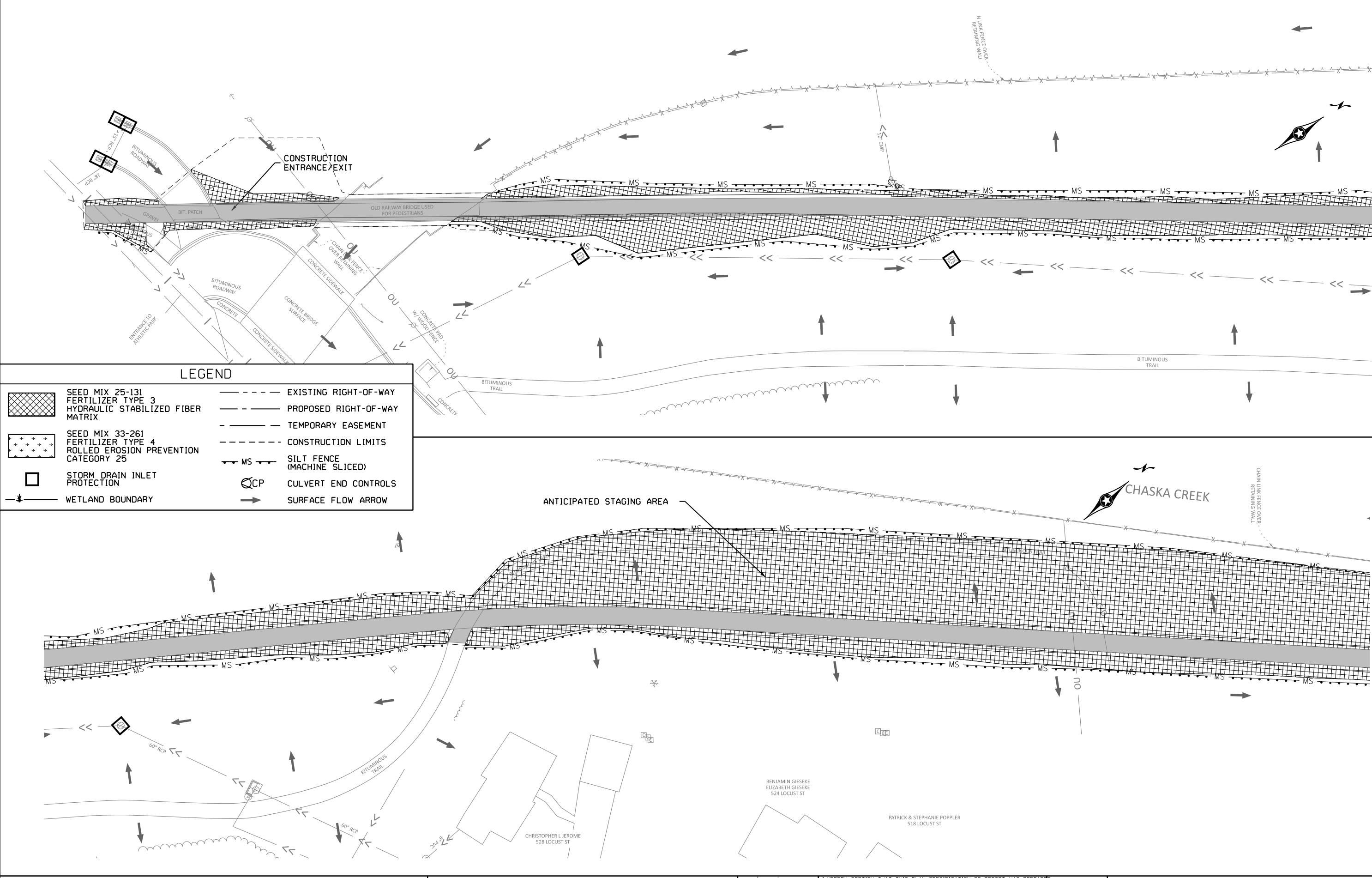
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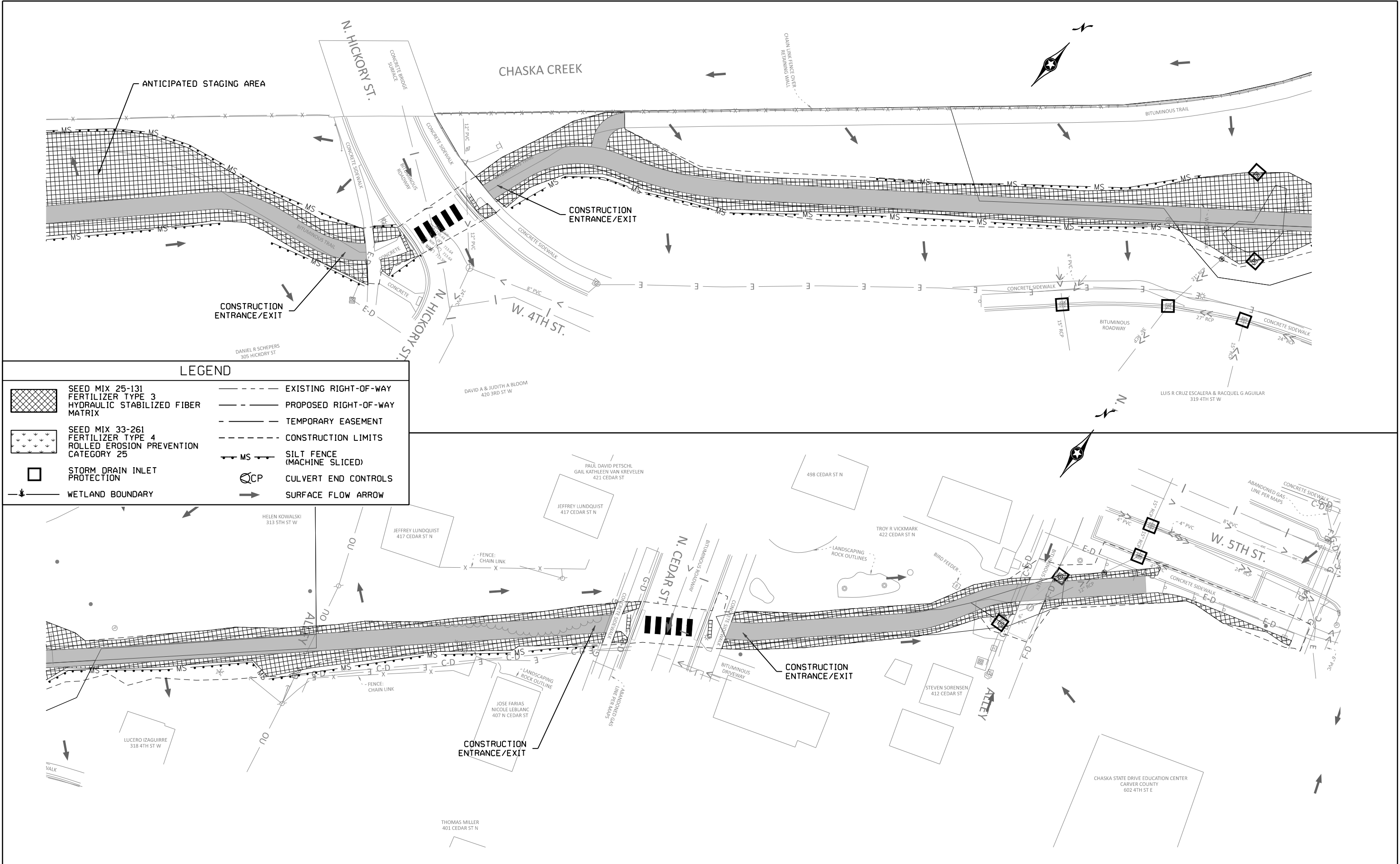
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MN RIVER BLUFFS REGIONAL TRAIL

TURF ESTABLISHMENT PLAN

SHEET 57 OF 64

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LEGEND

SEED MIX 25-131
FERTILIZER TYPE 3
HYDRAULIC STABILIZED FIBER
MATRIX

SEED MIX 33-261
FERTILIZER TYPE 4
ROLLED EROSION PREVENTION
CATEGORY 25

STORM DRAIN INLET
PROTECTION

WETLAND BOUNDARY

EXISTING RIGHT-OF-WAY

PROPOSED RIGHT-OF-WAY

TEMPORARY EASEMENT

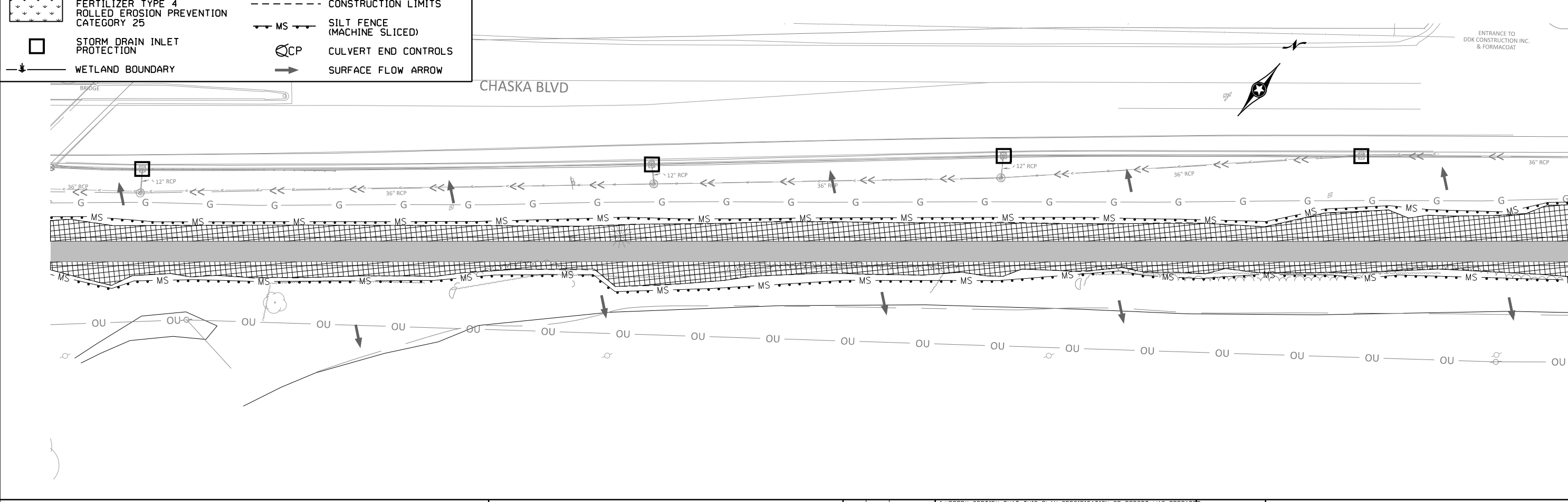
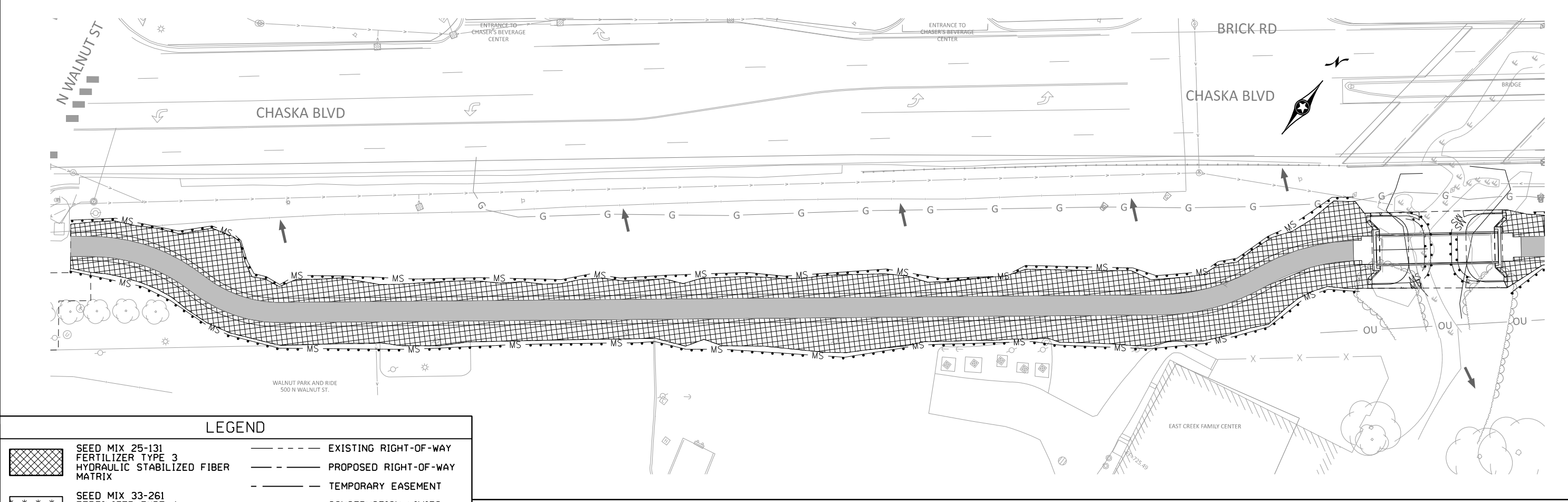
CONSTRUCTION LIMITS

SILT FENCE
(MACHINE SLICED)

CULVERT END CONTROLS

SURFACE FLOW ARROW

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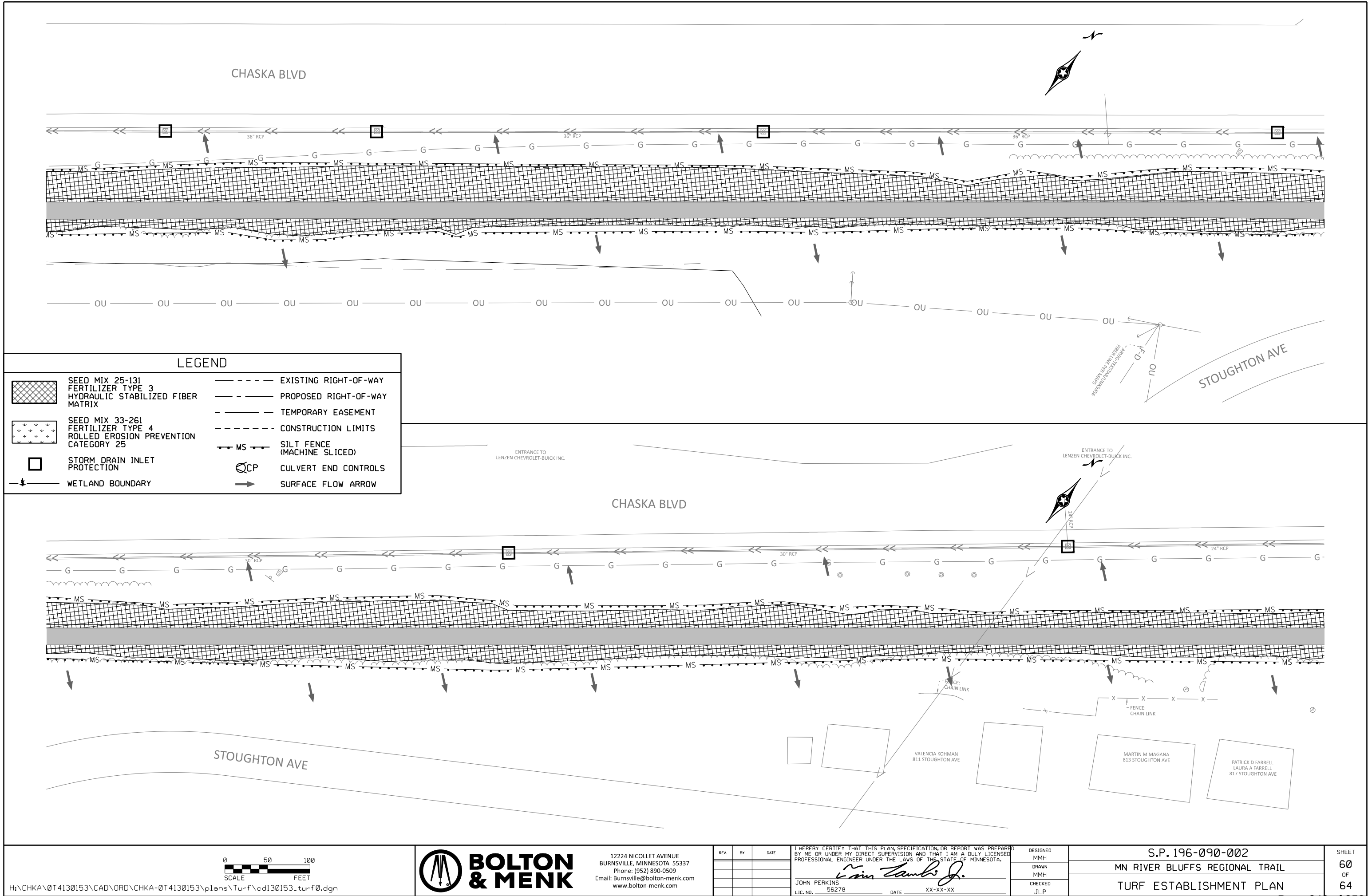


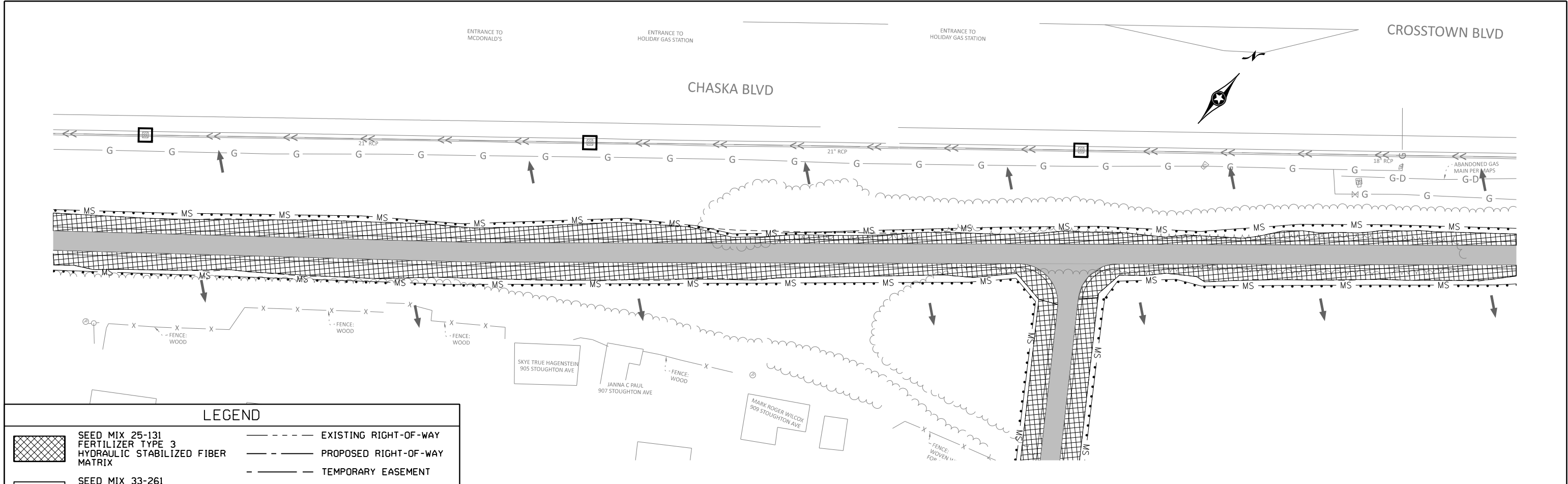
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SCALE FEET

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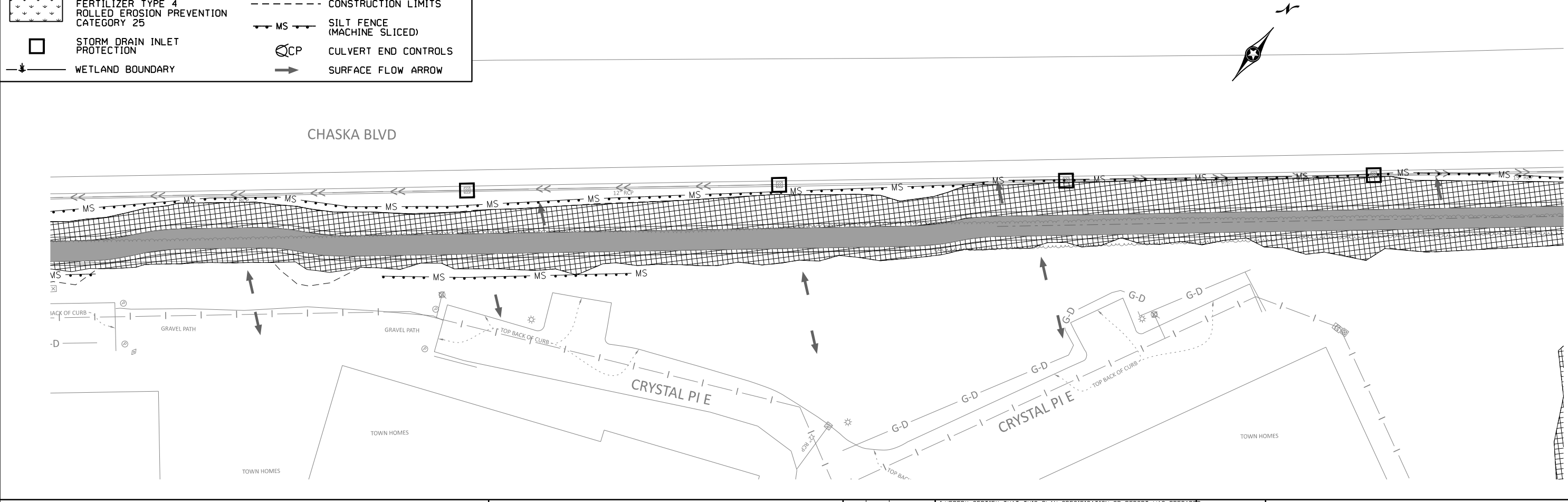
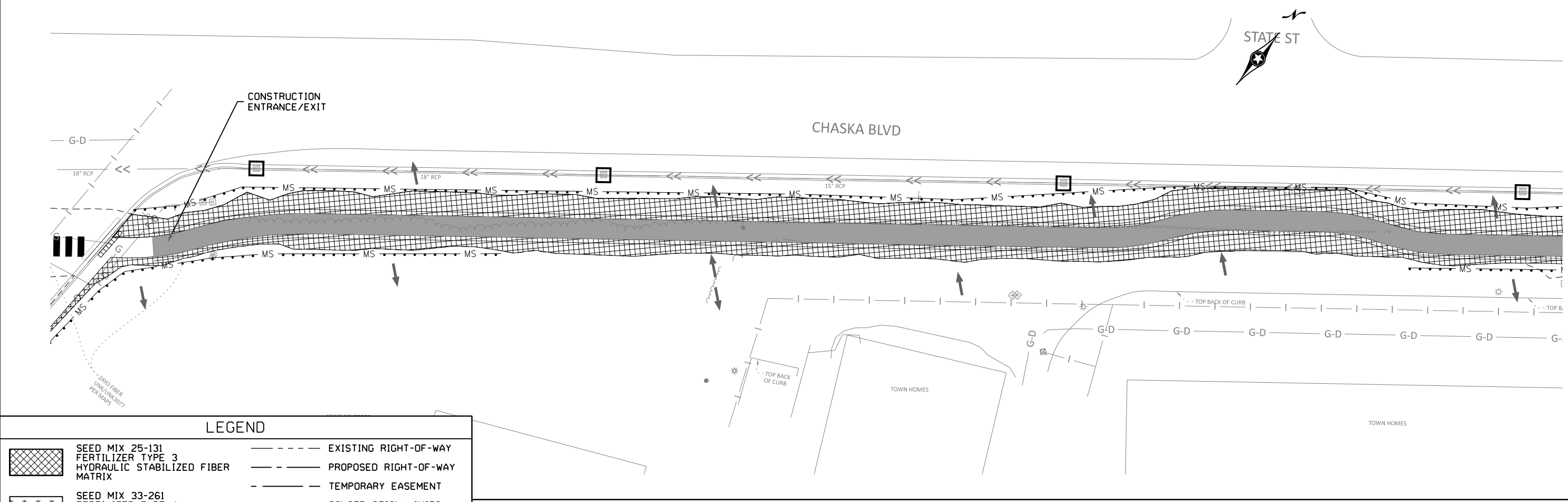
MN RIVER BLUFFS REGIONAL TRAIL

TURF ESTABLISHMENT PLAN

SHEET 61 OF 64

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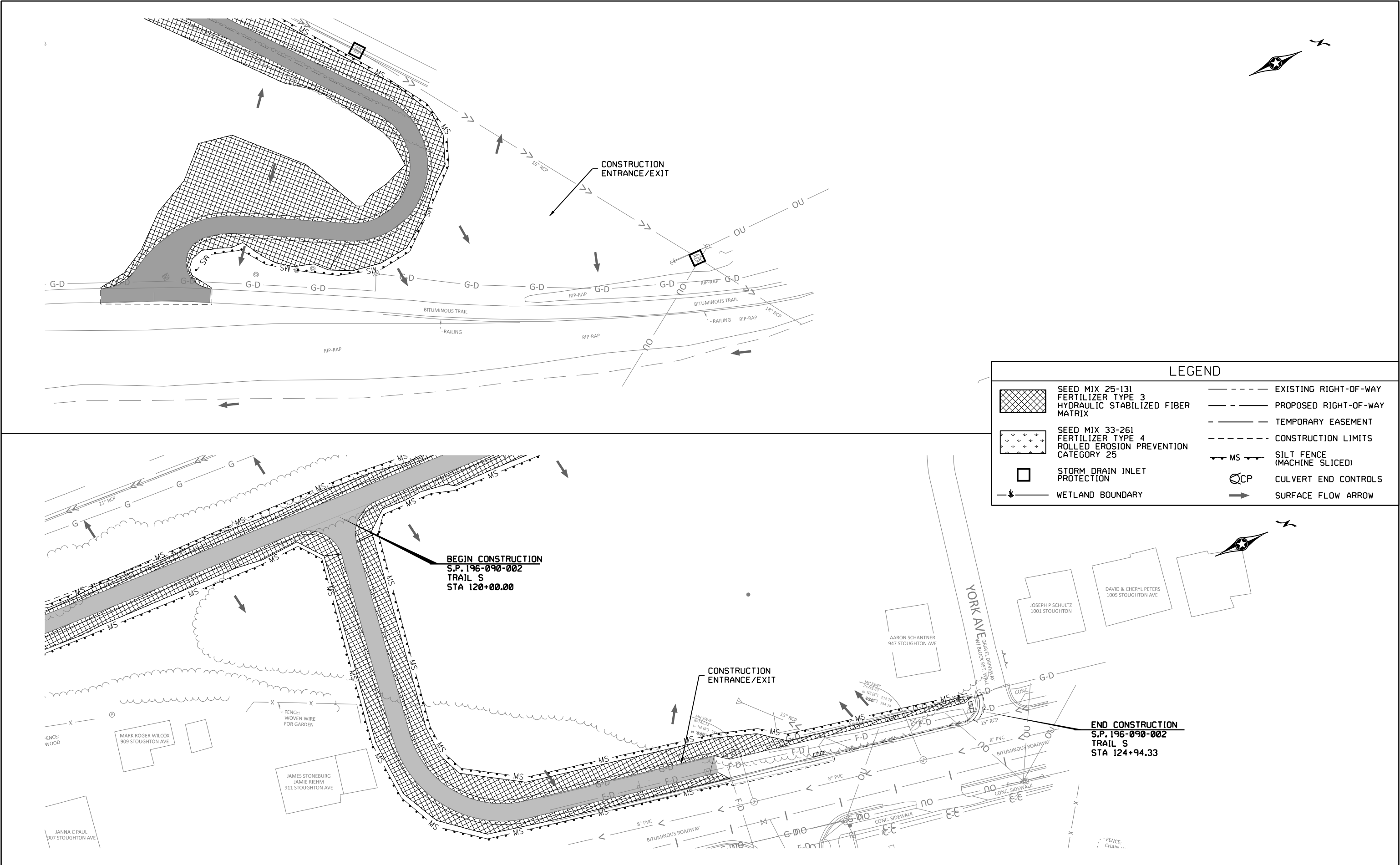


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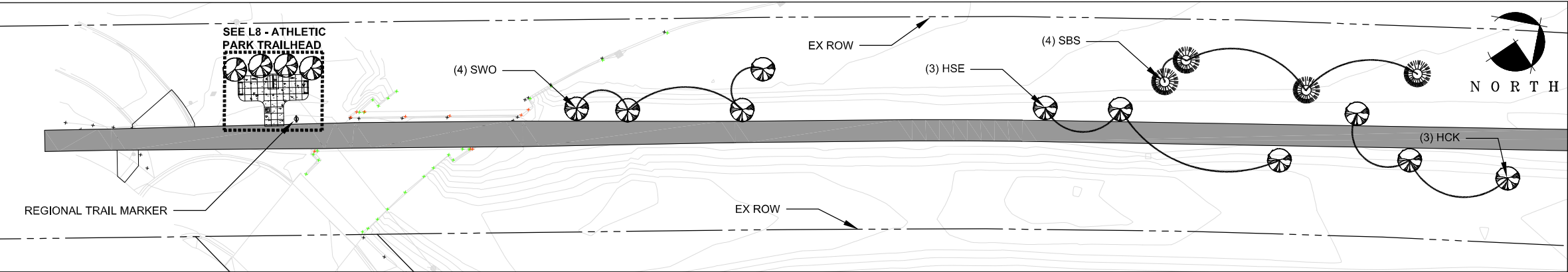


REV.	BY	DATE

DESIGNED	APW
DRAWN	APW
CHECKED	THL

SHEET
64
OF
64

TRAIL SECTION: 10+00 TO 17+40



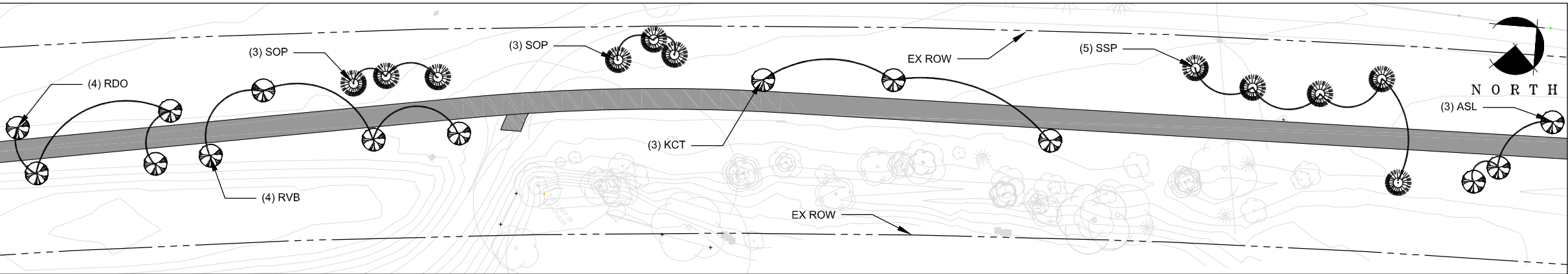
LEGEND

- DECIDUOUS TREE
- CONIFEROUS TREE
- COLUMNAR/COMPACT EVERGREEN
- CONSTRUCTION LIMITS
- ROW
- PARCEL
- EASEMENT

0 15' 30' 60'

SCALE: 1" = 30'-0"

TRAIL SECTION: 17+40 TO 24+90



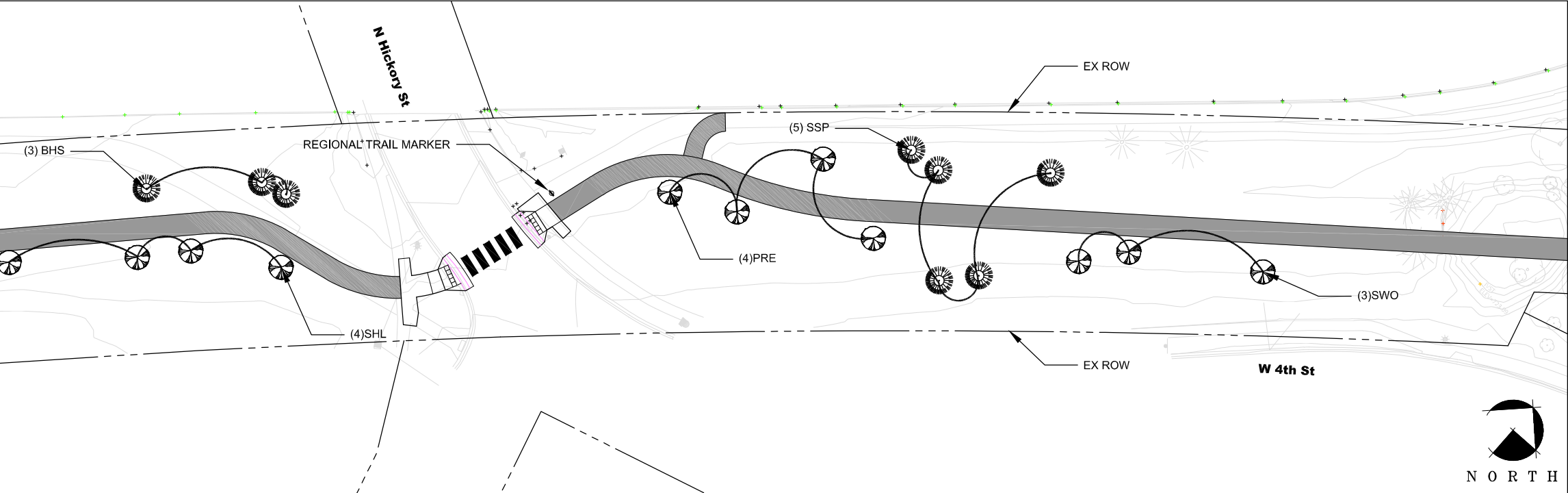
PLANTING SCHEDULE

GENERAL NOTES

- CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.
- CONTRACTOR SHALL CONTACT GOPHER STATE ONE (811) FOR LOCATION OF UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A PRIVATE UTILITY LOCATOR TO COMPLETE THE PRIVATE UTILITY LOCATIONS.
- CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND/OR MATERIALS SUPPLIED.
- CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS NEEDED RELATING TO THE NATURE AND SCOPE OF WORK.
- CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING CONSTRUCTION STAKING WITH CITY ENGINEER. OWNER WILL BE RESPONSIBLE FOR SPECIAL INSPECTION AND MATERIAL TESTING.
- CONTRACTOR SHALL COORDINATE ALL PHASES OF CONSTRUCTION AND RESTORATION WITH OTHER CONTRACTORS WORKING ON SITE.
- CONTRACTOR TO BE RESPONSIBLE FOR SECURING CONSTRUCTION SITE. CONSTRUCTION FENCING SHALL BE INSTALLED AND MAINTAINED BY CONTRACTOR. RELOCATION OF CONSTRUCTION FENCE WILL BE REQUIRED AS SPECIFIED AT NO ADDITIONAL COST TO OWNER.
- ALL PLANT AND TREE INSTALLATIONS SHALL FOLLOW MNDOT STANDARD DETAILS AND SPECIFICATION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS AND SPECIAL PROVISIONS.
- RESTORATION RELATED TO DISTURBANCE WHICH OCCURS DURING PLANTING AND INSTALLATION SHALL BE RESTORED AND IS INCIDENTAL TO THE PROJECT.

		REV.	DATE	 Landscape Architecture / Planning / Urban Design Minneapolis, Minnesota www.hkgi.com	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PAUL PAIGE, LA LIC. NO. <u>23594</u> DATE <u>XX/XX/20XX</u>	DESIGNED TS	CITY OF CHASKA	SHEET L1 OF L8
		60%	11.17.23			DRAWN TS	MN RIVER BLUFFS REGIONAL TRAIL	
		STATE AID	1.26.24			CHECKED PP	TRAIL AMENITIES AND LANDSCAPING	
		95% SET	2.13.24					

TRAIL SECTION: 24+90 TO 32+40



LEGEND

DECIDUOUS TREE

CONIFEROUS TREE

COLUMNAR/COMPACT EVERGREEN

CONSTRUCTION LIMITS

ROW

PARCEL

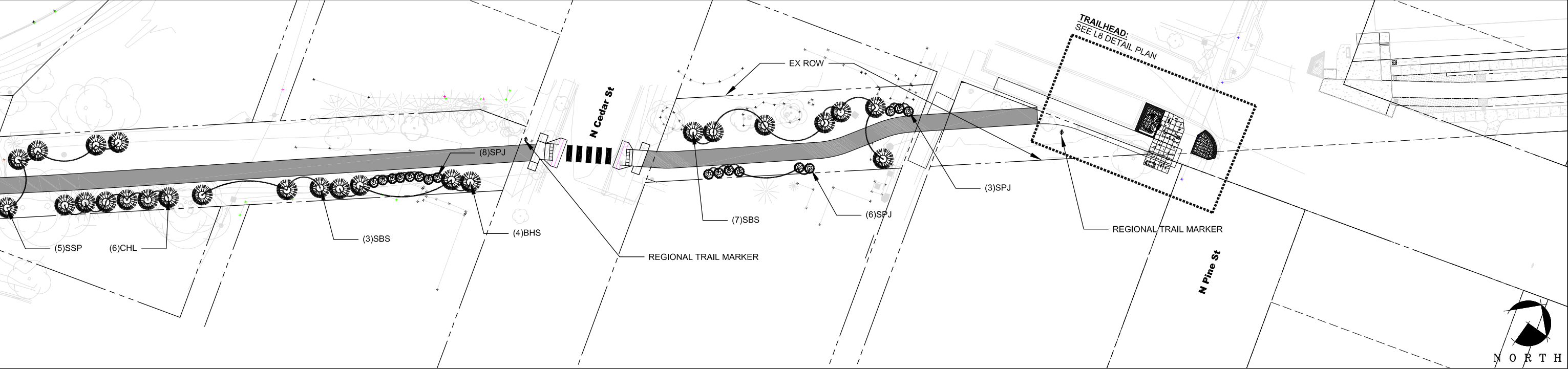
EASEMENT

NORTH

0 15' 30' 60'

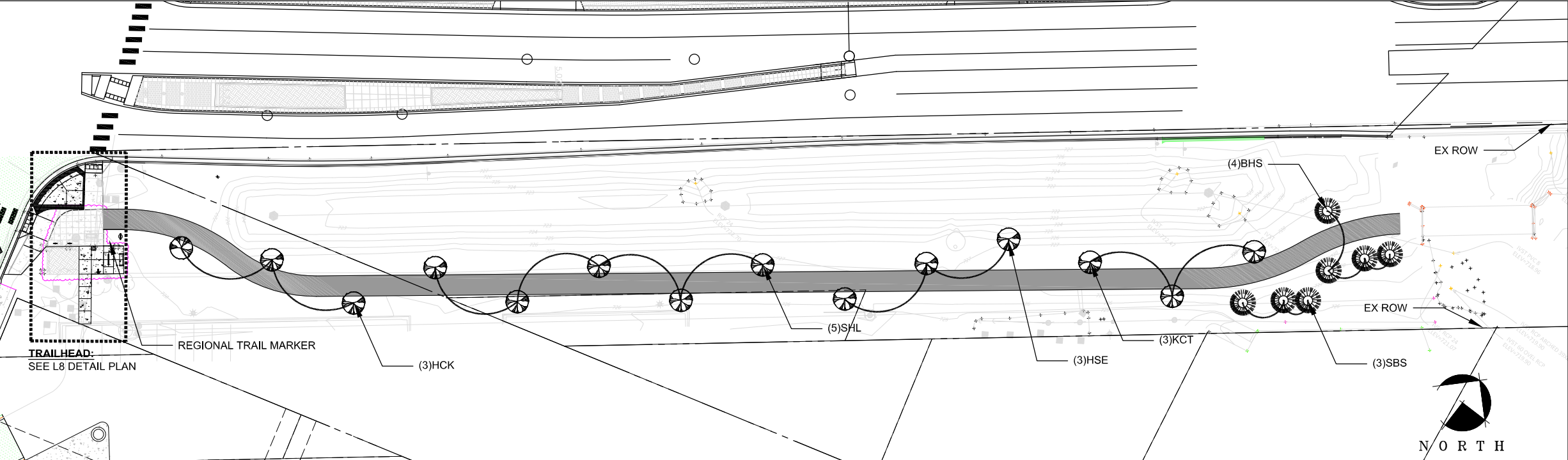
SCALE: 1" = 30'-0"

TRAIL SECTION: 32+40 TO PINE STREET



		REV.	DATE		Landscape Architecture / Planning / Urban Design Minneapolis, Minnesota www.hkgi.com	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PAUL PAIGE, LA LIC. NO. 23594	DESIGNED TS DRAWN TS CHECKED PP	CITY OF CHASKA MN RIVER BLUFFS REGIONAL TRAIL TRAIL AMENITIES AND LANDSCAPING	SHEET L2 OF L8

TRAIL SECTION: WALNUT STREET TO 57+30



LEGEND

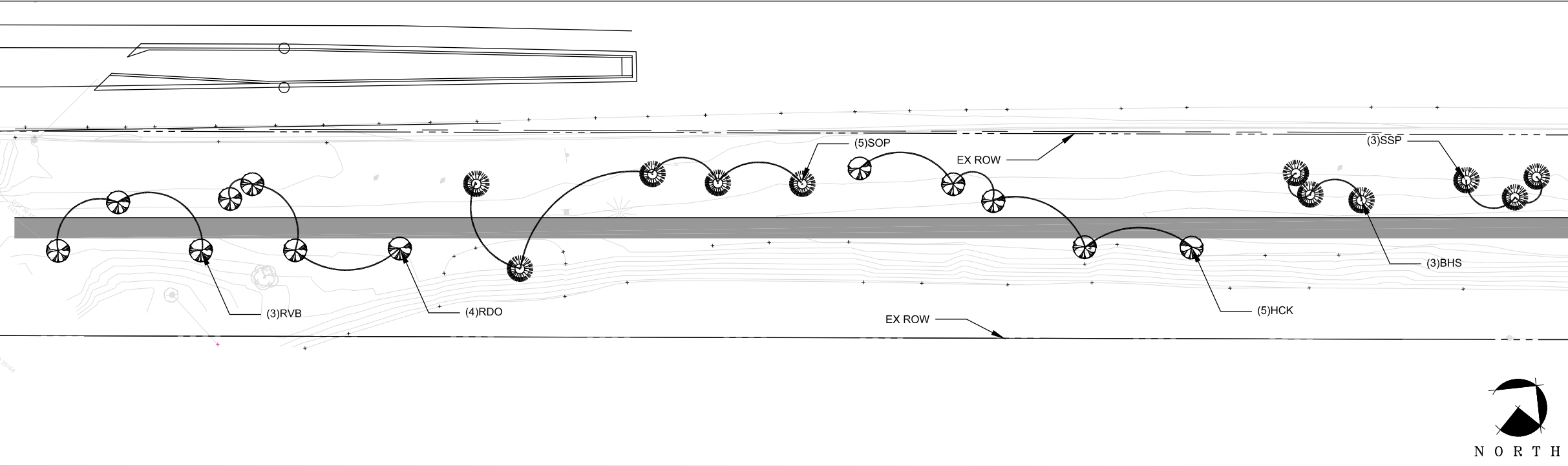
- DECIDUOUS TREE
- CONIFEROUS TREE
- COLUMNAR/COMPACT EVERGREEN
- CONSTRUCTION LIMITS
- ROW
- PARCEL
- EASEMENT

0 15' 30' 60'

SCALE: 1" = 30'-0"

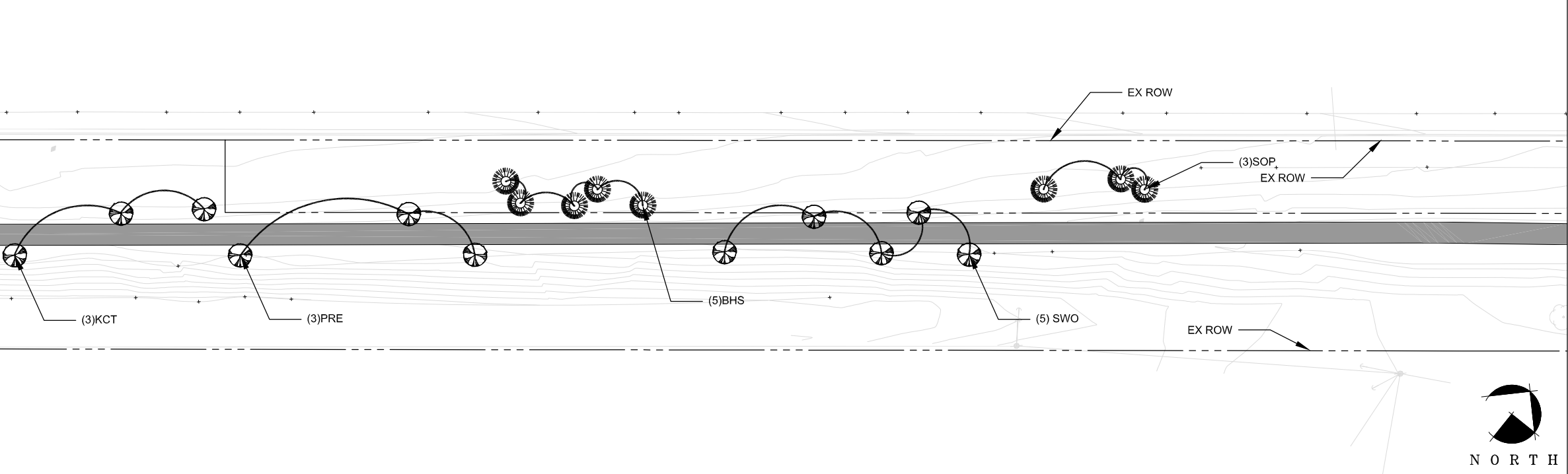
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TRAIL SECTION: 57+30 TO 64+90



		<table><tr><th>REV.</th><th>DATE</th></tr><tr><td>60%</td><td>11.17.23</td></tr><tr><td>STATE AID</td><td>1.26.24</td></tr><tr><td>95% SET</td><td>2.13.24</td></tr><tr><td></td><td></td></tr></table>	REV.	DATE	60%	11.17.23	STATE AID	1.26.24	95% SET	2.13.24			 Landscape Architecture / Planning / Urban Design Minneapolis, Minnesota www.hkgi.com	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PAUL PAIGE, LA LIC. NO. 23594 DATE XX/XX/20XX	<table><tr><td>DESIGNED TS</td></tr><tr><td>DRAWN TS</td></tr><tr><td>CHECKED PP</td></tr></table>	DESIGNED TS	DRAWN TS	CHECKED PP	CITY OF CHASKA	SHEET
REV.	DATE																			
60%	11.17.23																			
STATE AID	1.26.24																			
95% SET	2.13.24																			
DESIGNED TS																				
DRAWN TS																				
CHECKED PP																				
						MN RIVER BLUFFS REGIONAL TRAIL	L3 OF													
						TRAIL AMENITIES AND LANDSCAPING	L8													

TRAIL SECTION: 64+90 TO 72+30



LEGEND

DECIDUOUS TREE

CONIFEROUS TREE

COLUMNAR/COMPACT EVERGREEN

CONSTRUCTION LIMITS

ROW

PARCEL

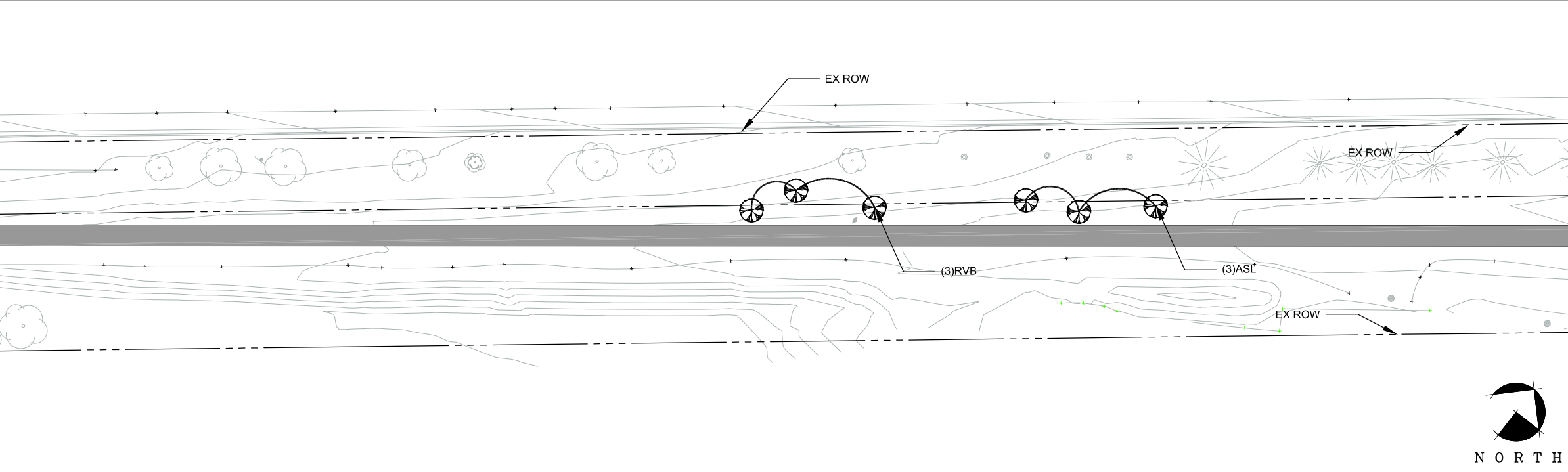
EASEMENT

NORTH

015'30'60'

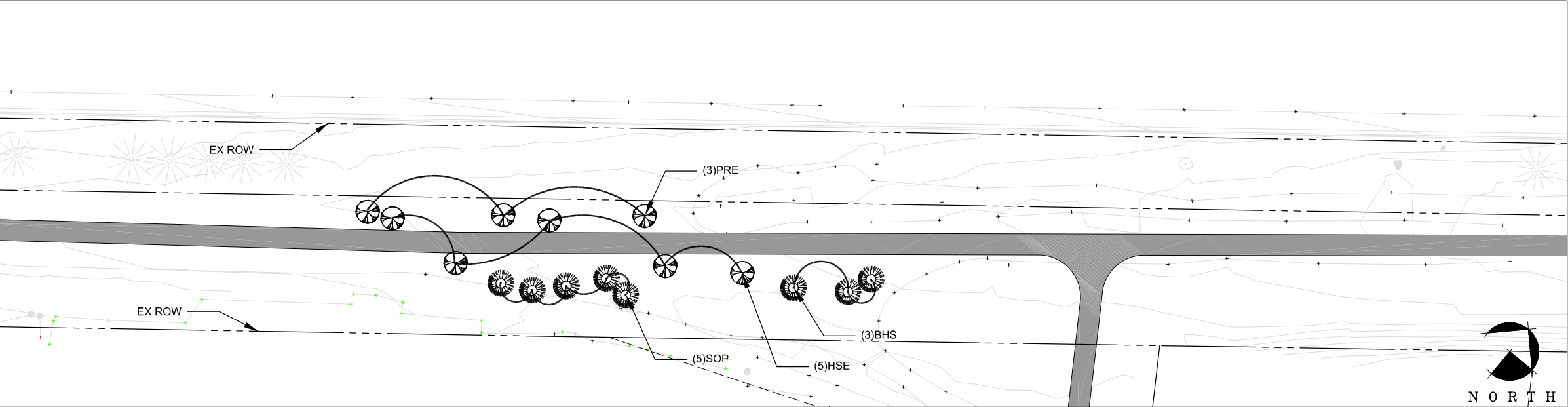
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TRAIL SECTION: 72+30 TO 79+90



		<table><tr><th>REV.</th><th>DATE</th></tr><tr><td>60%</td><td>11.17.23</td></tr><tr><td>STATE AID</td><td>1.26.24</td></tr><tr><td>95% SET</td><td>2.13.24</td></tr><tr><td></td><td></td></tr></table>	REV.	DATE	60%	11.17.23	STATE AID	1.26.24	95% SET	2.13.24			HK 3i Landscape Architecture / Planning / Urban Design Minneapolis, Minnesota www.hkgi.com	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PAUL PAIGE, LA LIC. NO. 23594 DATE XX/XX/20XX	<table><tr><td>DESIGNED TS</td></tr><tr><td>DRAWN TS</td></tr><tr><td>CHECKED PP</td></tr></table>	DESIGNED TS	DRAWN TS	CHECKED PP	CITY OF CHASKA	SHEET
REV.	DATE																			
60%	11.17.23																			
STATE AID	1.26.24																			
95% SET	2.13.24																			
DESIGNED TS																				
DRAWN TS																				
CHECKED PP																				
					MN RIVER BLUFFS REGIONAL TRAIL	L4 OF														
					TRAIL AMENITIES AND LANDSCAPING	L8														

TRAIL SECTION: 79+90 TO 87+30



LEGEND

DECIDUOUS TREE

CONIFEROUS TREE

COLUMNAR/COMPACT EVERGREEN

CONSTRUCTION LIMITS

ROW

PARCEL

EASEMENT

0

15'

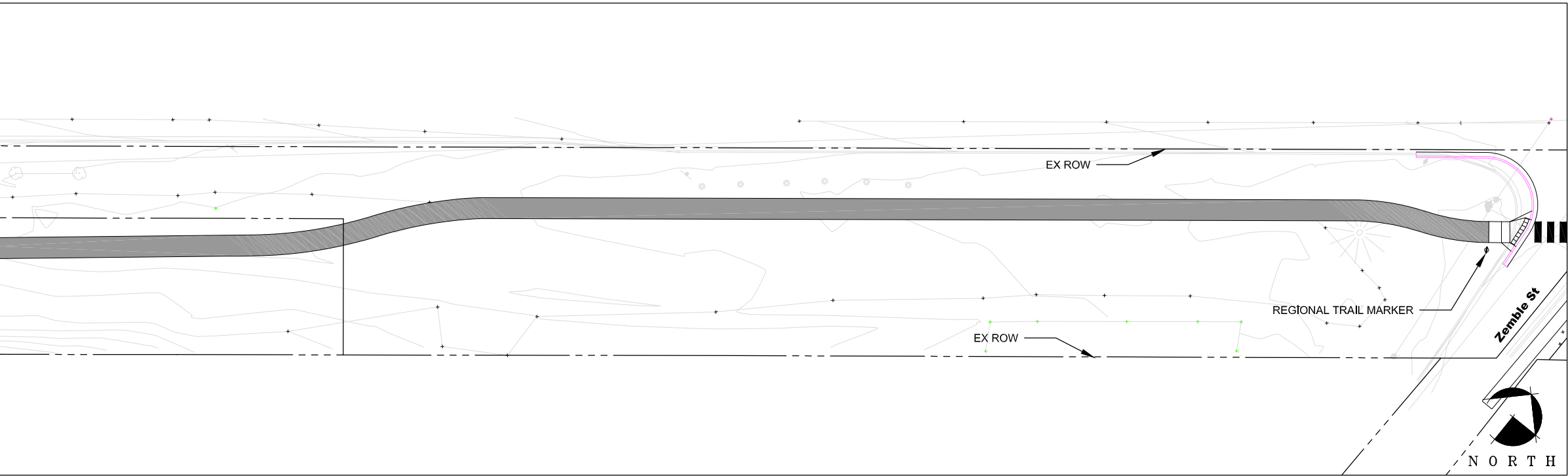
30'

60'

SCALE: 1" = 30'-0"

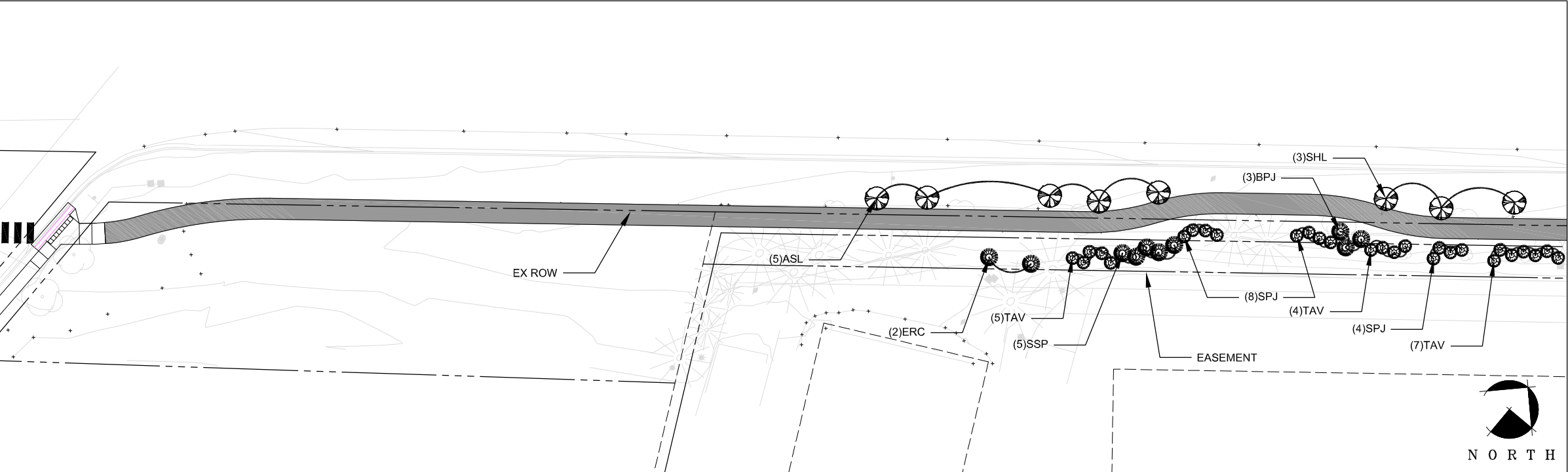
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TRAIL SECTION: 87+30 TO ZEMBLE STREET



		<table><tr><th>REV.</th><th>DATE</th></tr><tr><td>60%</td><td>11.17.23</td></tr><tr><td>STATE AID</td><td>1.26.24</td></tr><tr><td>95% SET</td><td>2.13.24</td></tr><tr><td></td><td></td></tr></table>	REV.	DATE	60%	11.17.23	STATE AID	1.26.24	95% SET	2.13.24			HK 3i Landscape Architecture / Planning / Urban Design Minneapolis, Minnesota www.hkgi.com	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PAUL PAIGE, LA LIC. NO. 23594 DATE XX/XX/20XX	<table><tr><td>DESIGNED TS</td></tr><tr><td>DRAWN TS</td></tr><tr><td>CHECKED PP</td></tr></table>	DESIGNED TS	DRAWN TS	CHECKED PP	CITY OF CHASKA	SHEET
		REV.	DATE																	
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		95% SET	2.13.24																	
DESIGNED TS																				
DRAWN TS																				
CHECKED PP																				
						MN RIVER BLUFFS REGIONAL TRAIL	L5 OF													
						TRAIL AMENITIES AND LANDSCAPING	L8													

TRAIL SECTION: 79+90 TO 87+30



LEGEND

DECIDUOUS TREE

CONIFEROUS TREE

COLUMNAR/COMPACT EVERGREEN

CONSTRUCTION LIMITS

ROW

PARCEL

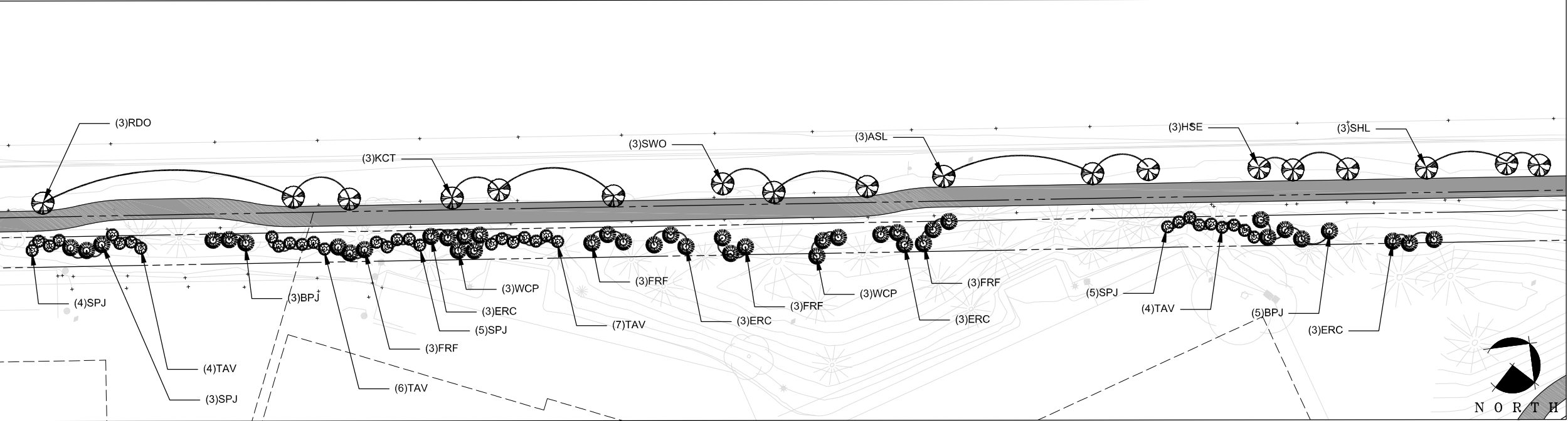
EASEMENT

NORTH

0 15' 30' 60'

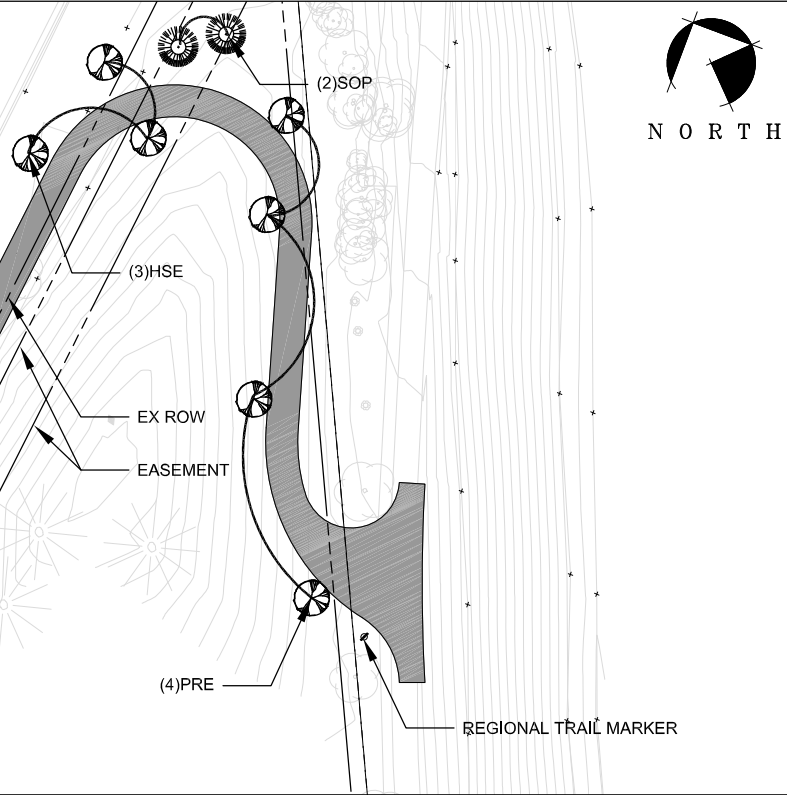
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TRAIL SECTION: 87+30 TO ZEMBLE STREET

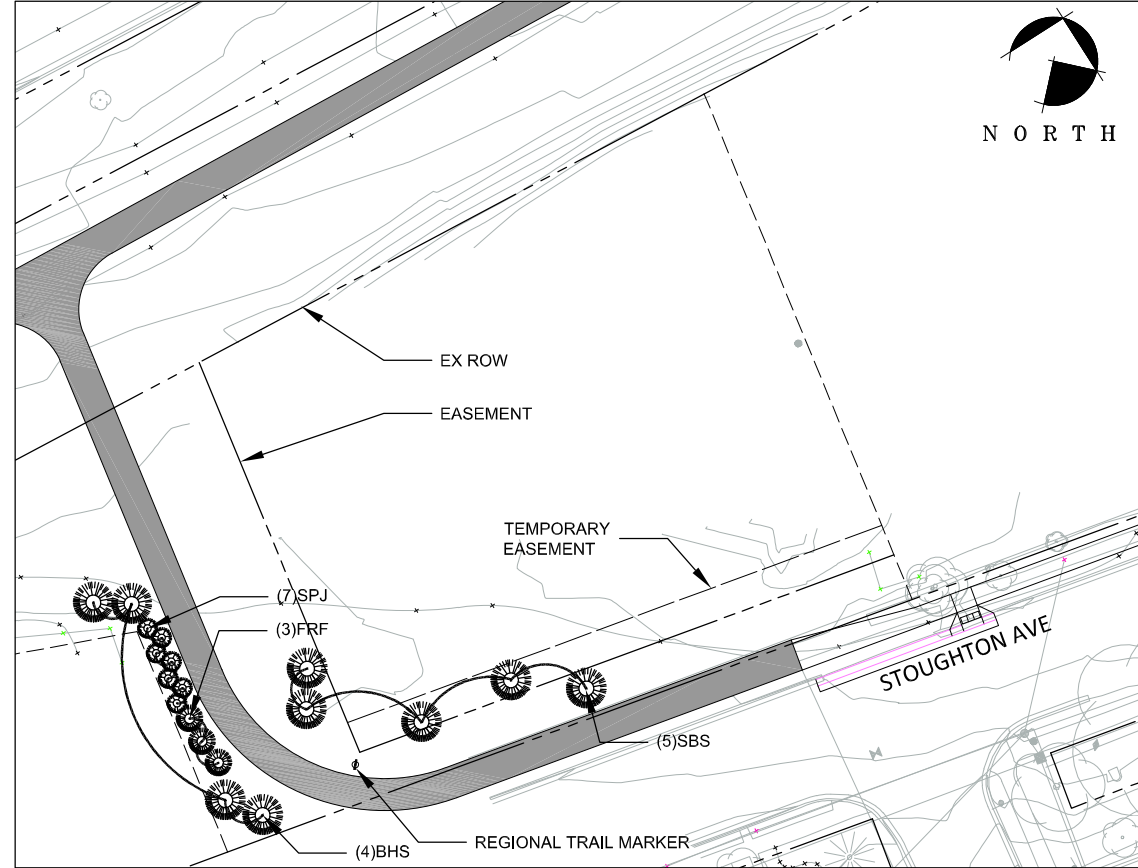


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		REV.	DATE																				
		60%	11.17.23																				
		STATE AID	1.26.24																				
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CITY OF CHASKA																							
MN RIVER BLUFFS REGIONAL TRAIL																							
TRAIL AMENITIES AND LANDSCAPING																							
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						OF																	
						L8																	

TRAIL SECTION: 110+10 TO 113+11

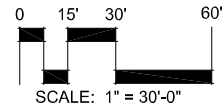


TRAIL SECTION: 130+50 TO STOUGHTON AVENUE



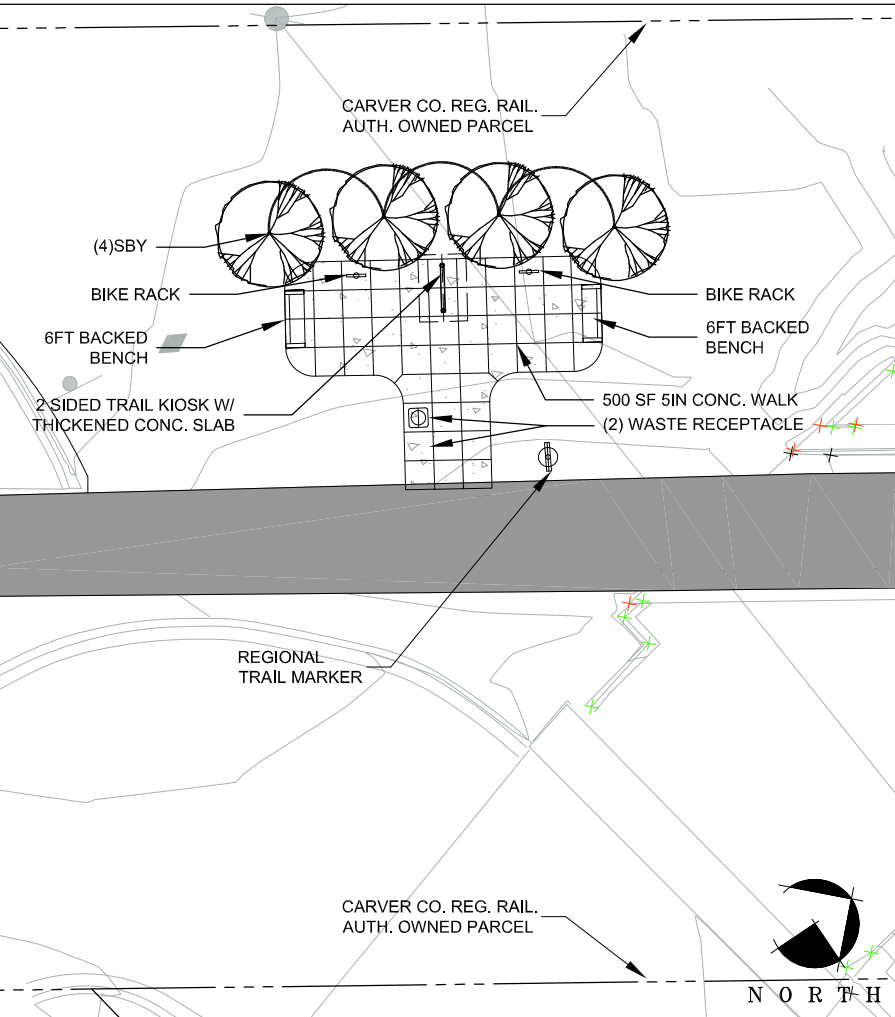
LEGEND

- DECIDUOUS TREE
- CONIFEROUS TREE
- COLUMNAR/COMPACT EVERGREEN
- CONSTRUCTION LIMITS
- ROW
- PARCEL
- EASEMENT

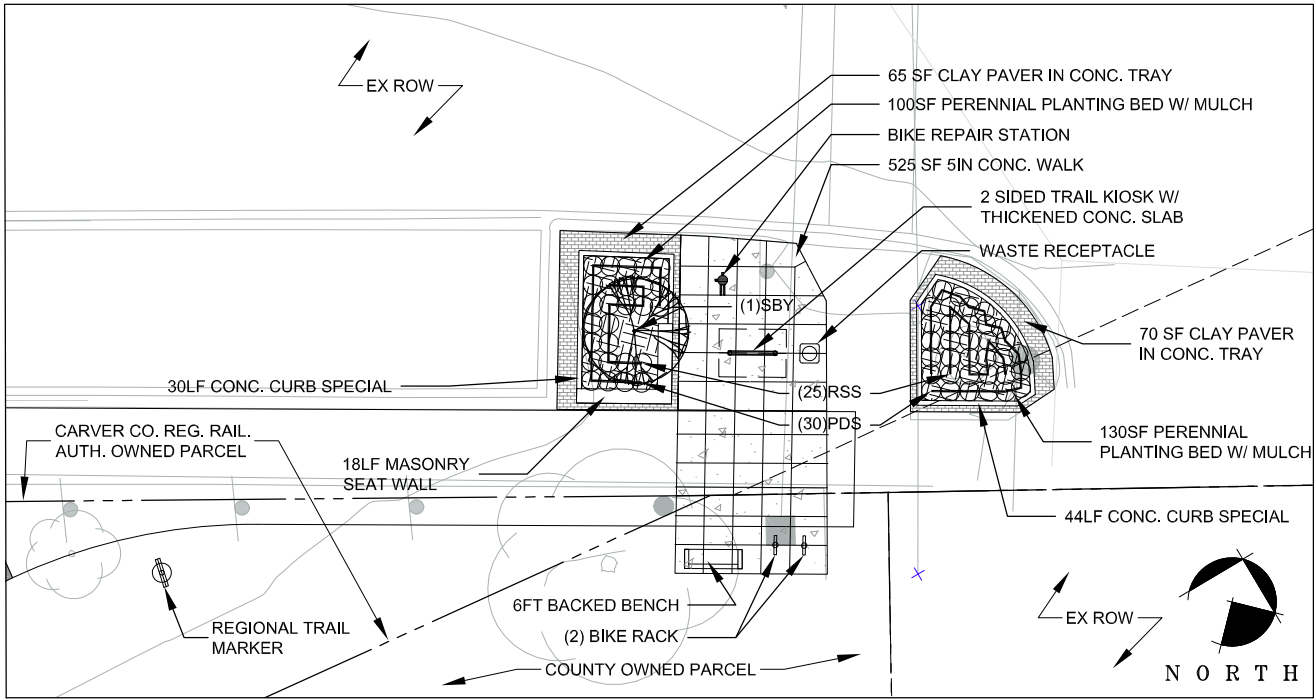


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		REV.	DATE														
		60%	11.17.23														
		STATE AID	1.26.24														
95% SET	2.13.24																
DRAWN TS	MN RIVER BLUFFS REGIONAL TRAIL																
CHECKED PP	TRAIL AMENITIES AND LANDSCAPING																

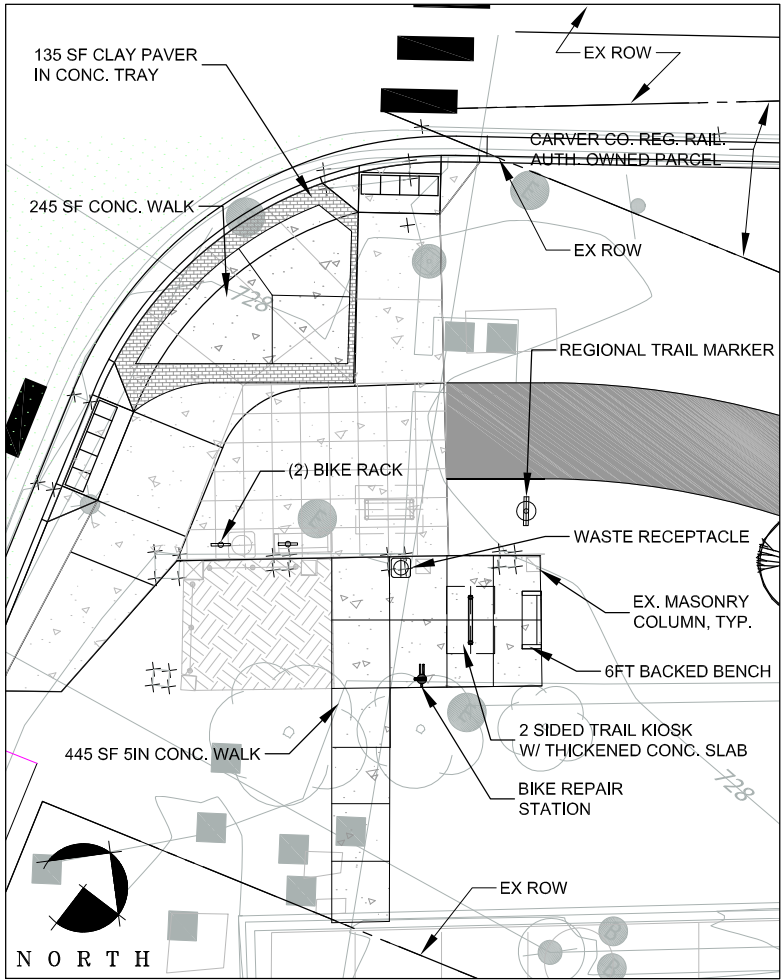
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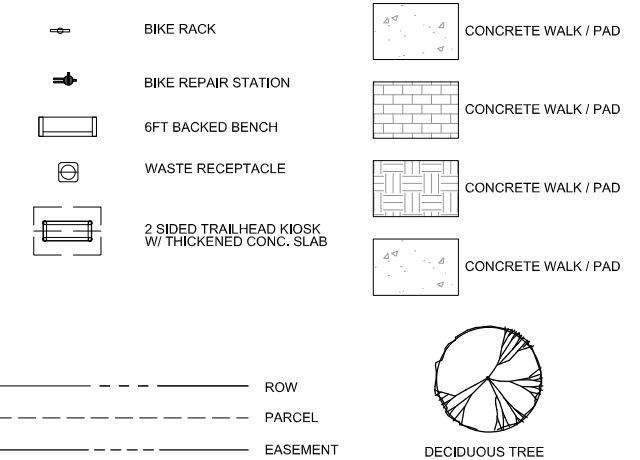
TRAILHEAD - PINE STREET



TRAILHEAD - WALNUT STREET



LEGEND



REV.	DATE
60%	11.17.23
STATE AID	1.26.24
95% SET	2.13.24



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PAUL PAIGE, LA
LIC. NO. 23594
DATE XX/XX/20XX

DESIGNED TS
DRAWN TS
CHECKED PP

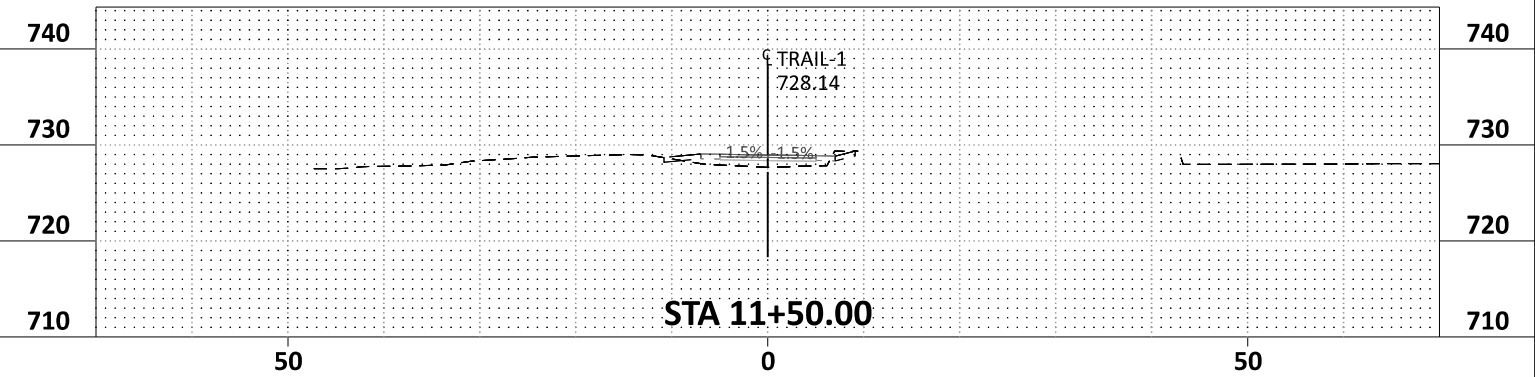
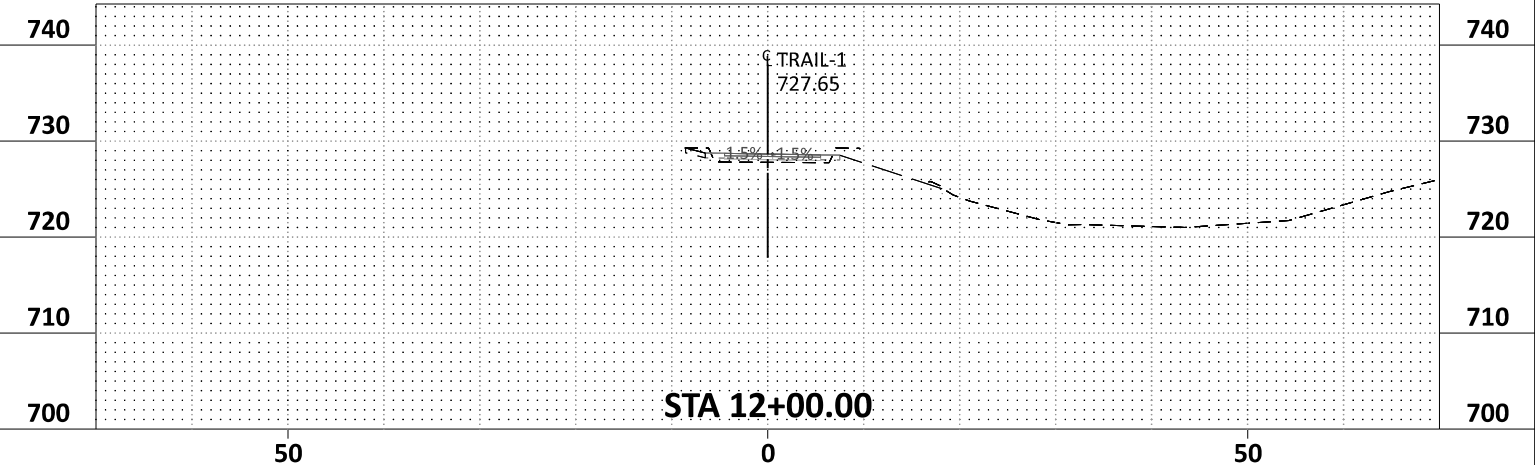
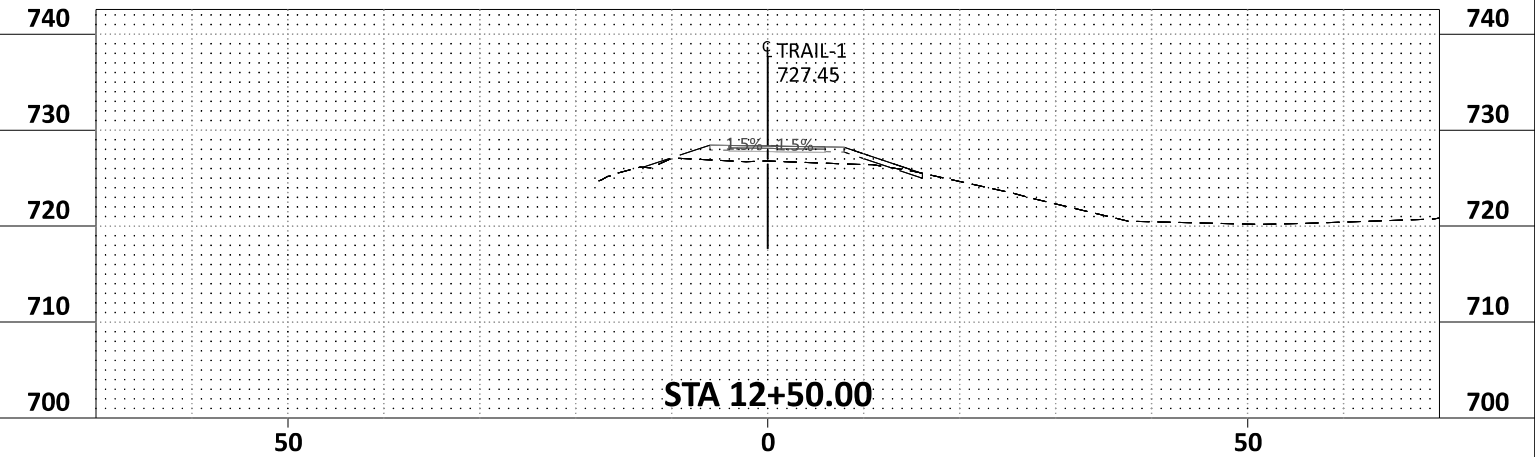
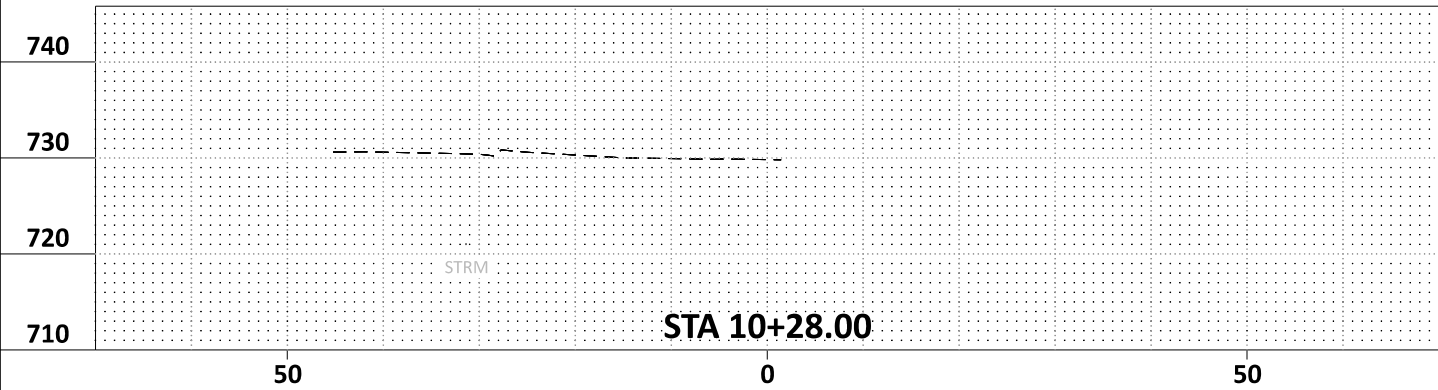
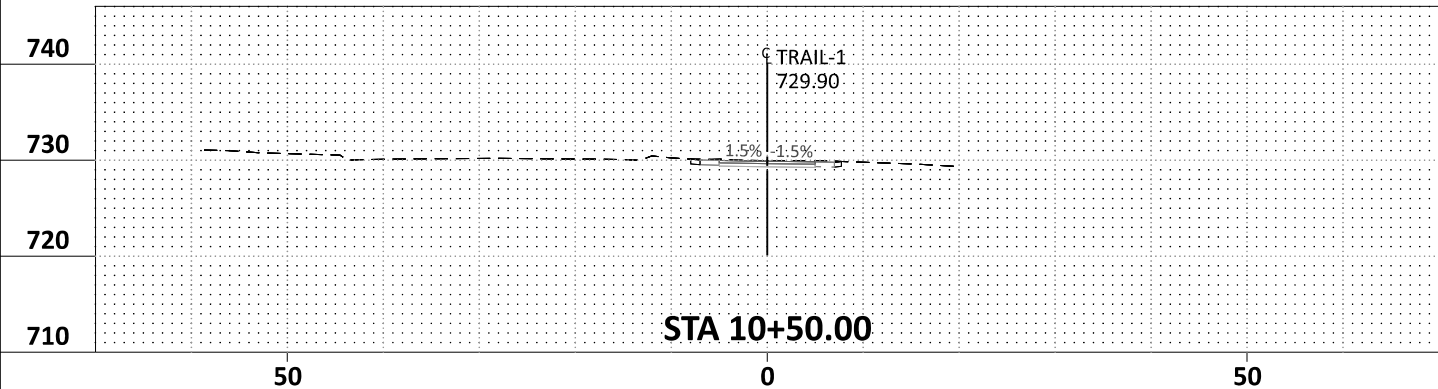
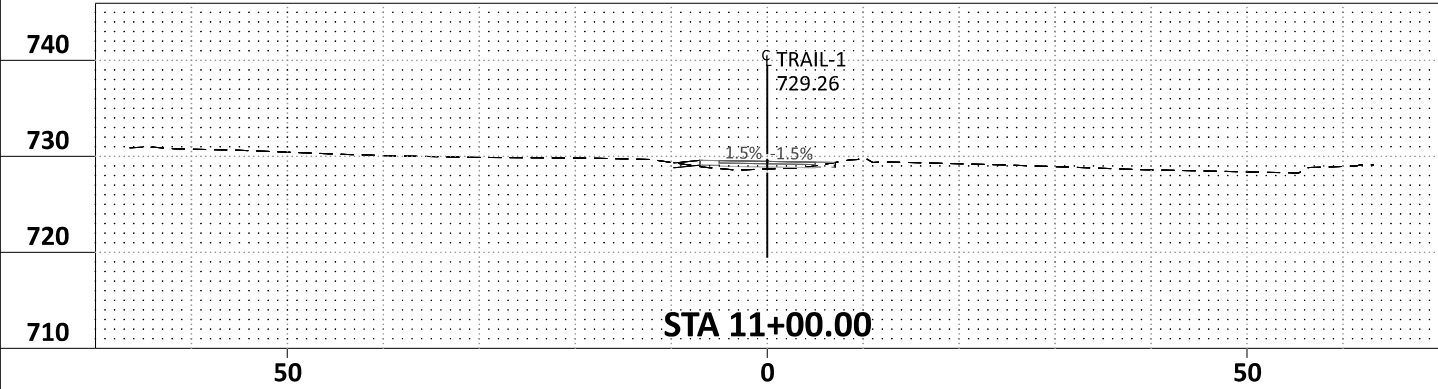
CITY OF CHASKA
MN RIVER BLUFFS REGIONAL TRAIL
TRAIL AMENITIES AND LANDSCAPING

SHEET
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OF
L8

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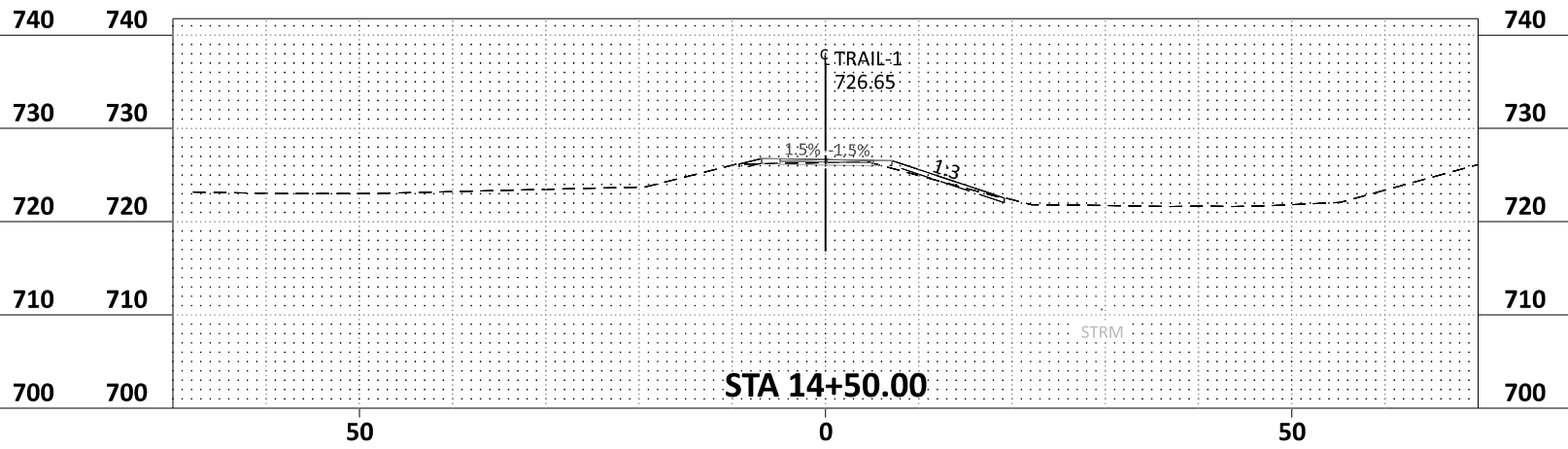
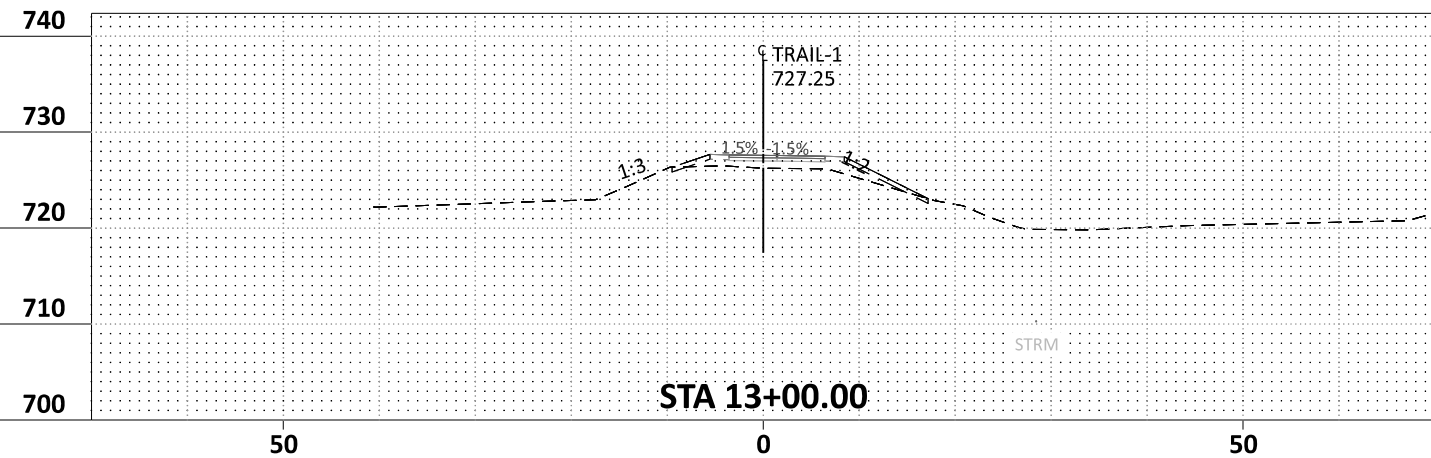
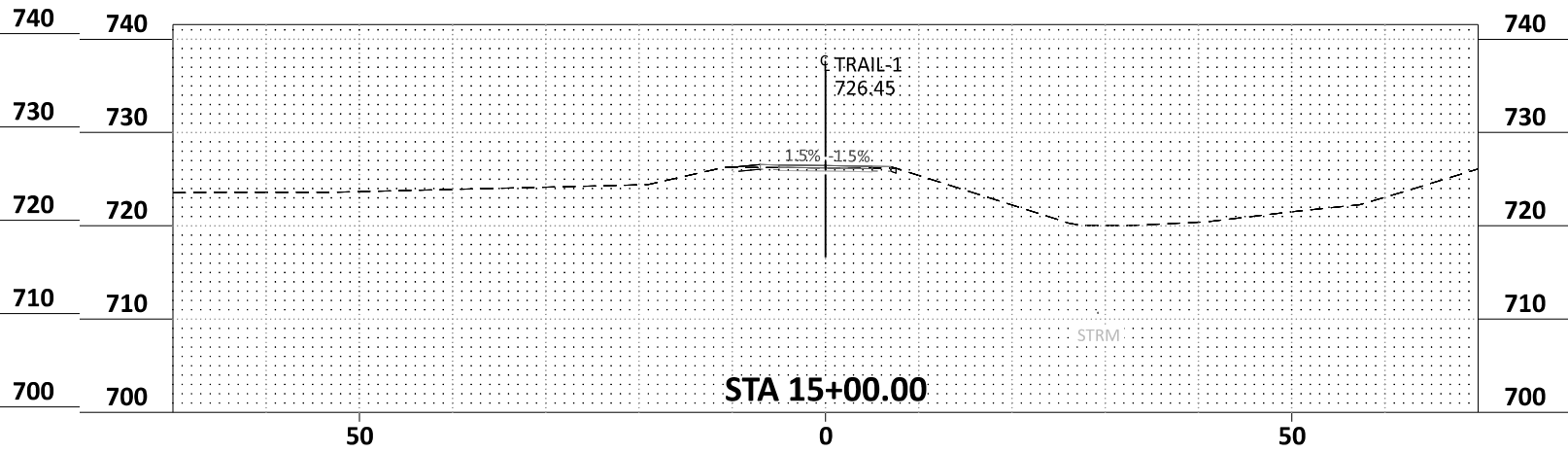
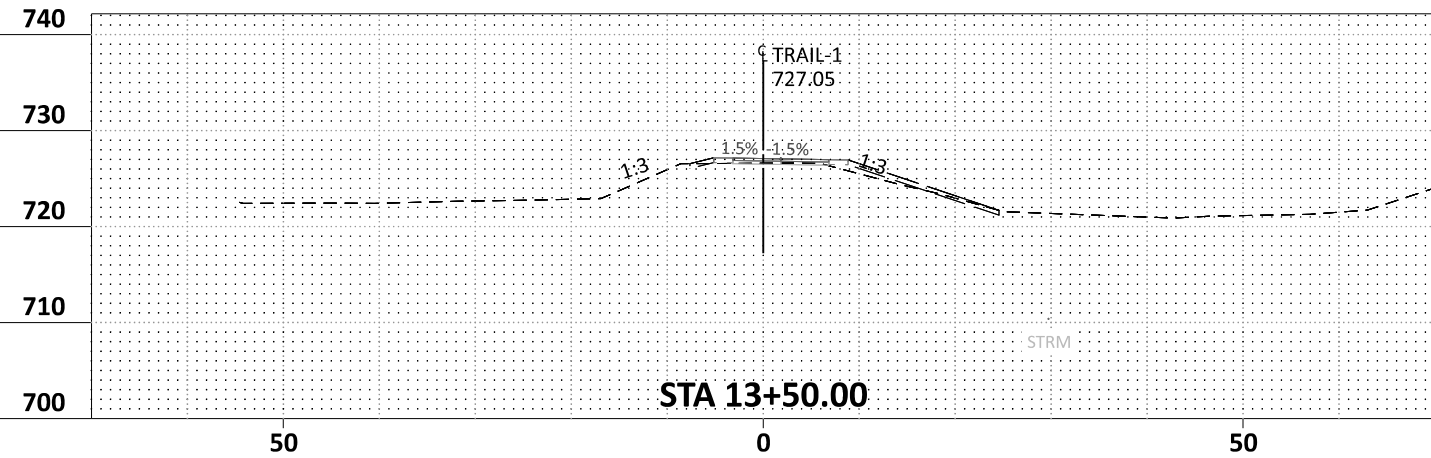
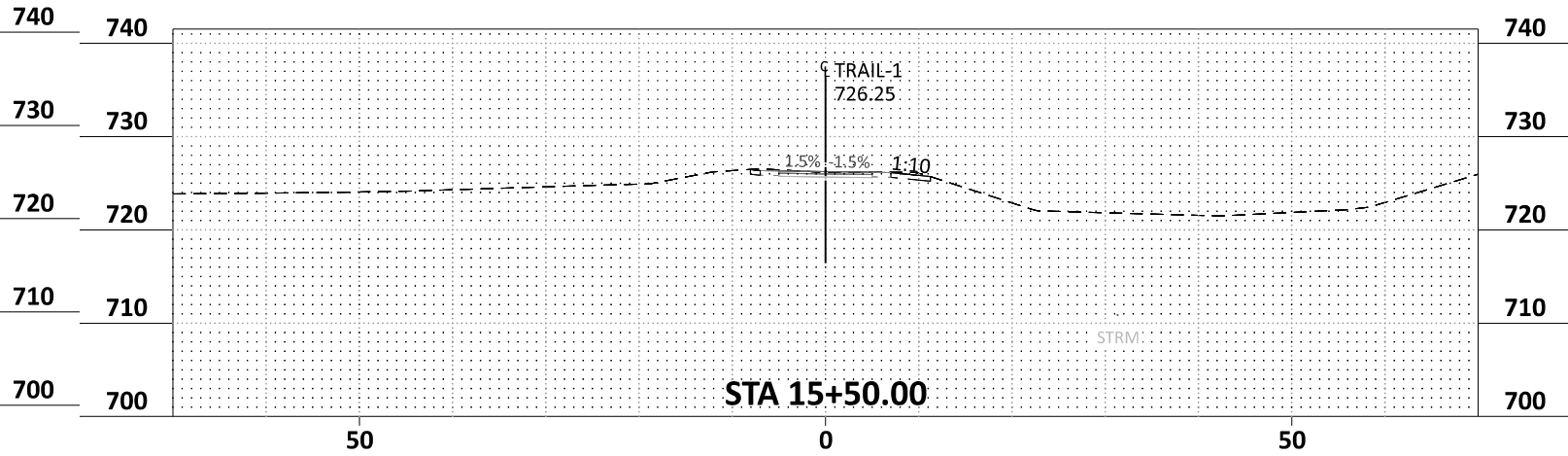
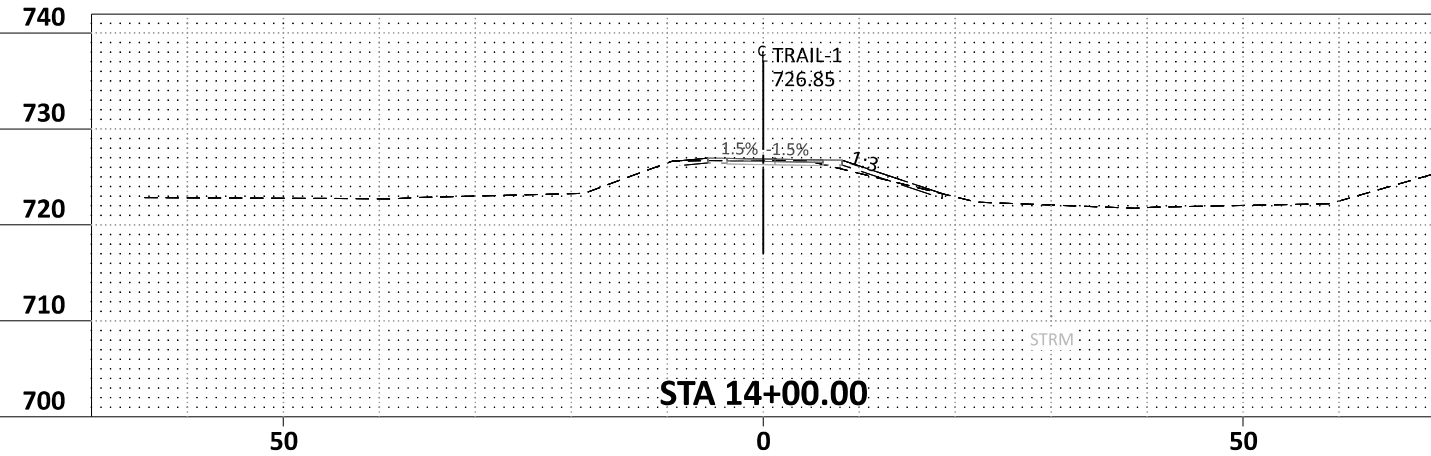


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2/19/2024

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TRAIL-1 13+00.00 - 15+50.00

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12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

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

ENGINEER SIGNATURE 1

TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

DESIGNED APW
DRAWN APW
CHECKED THL

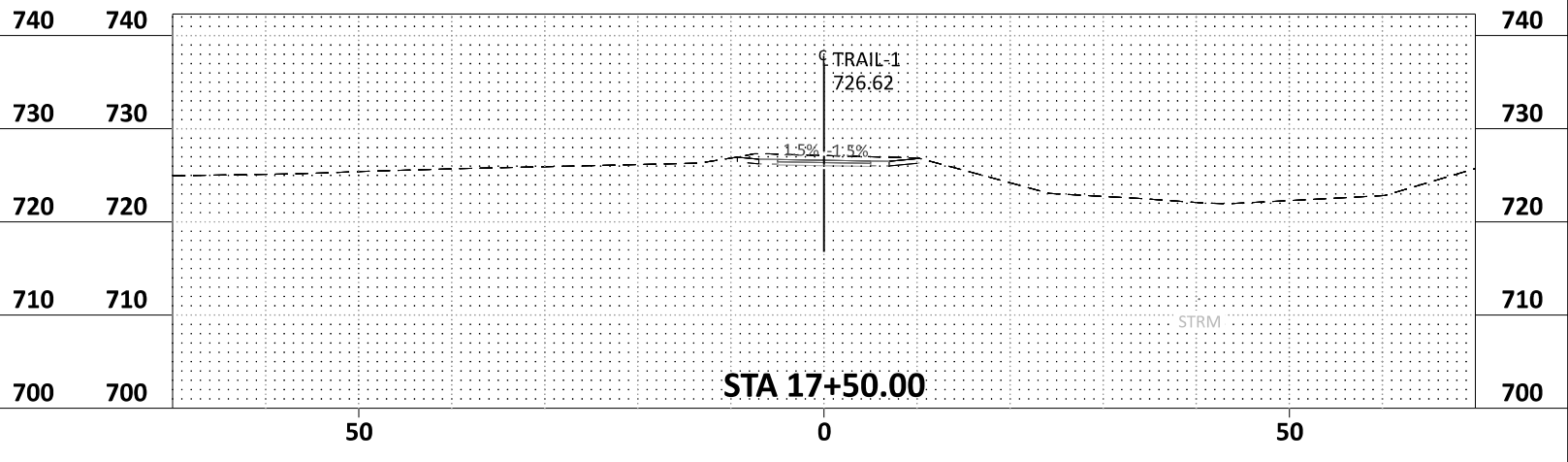
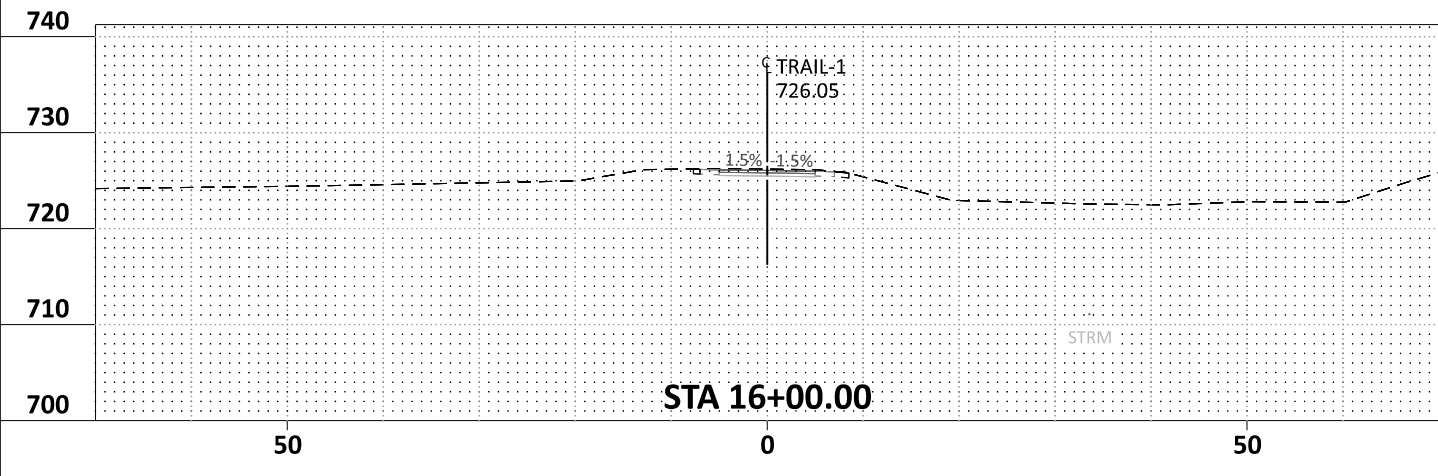
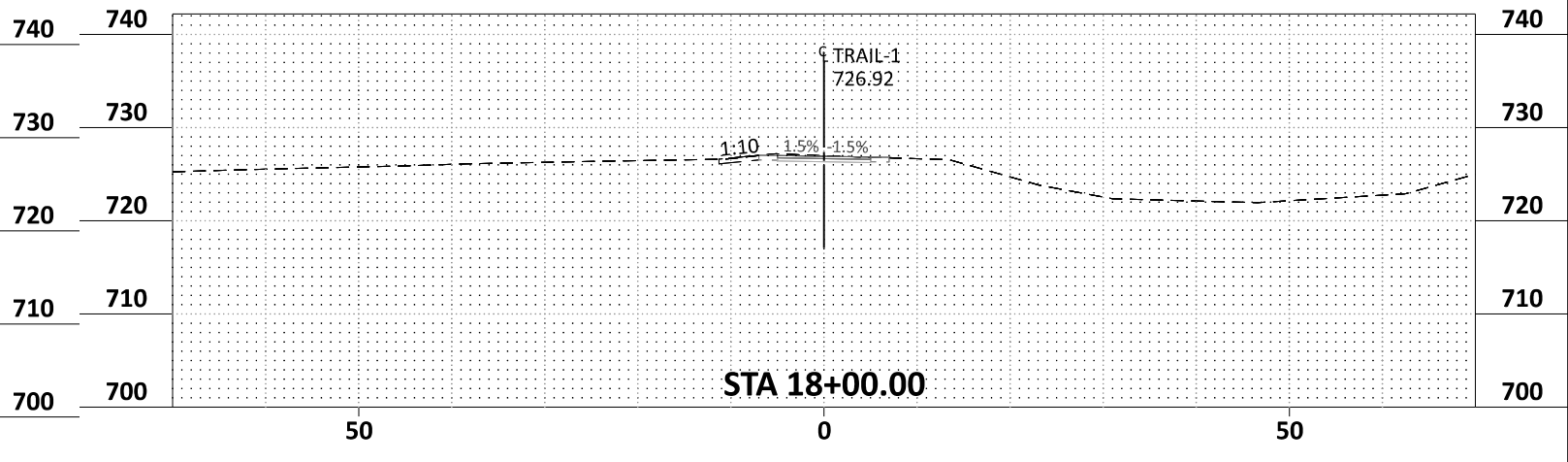
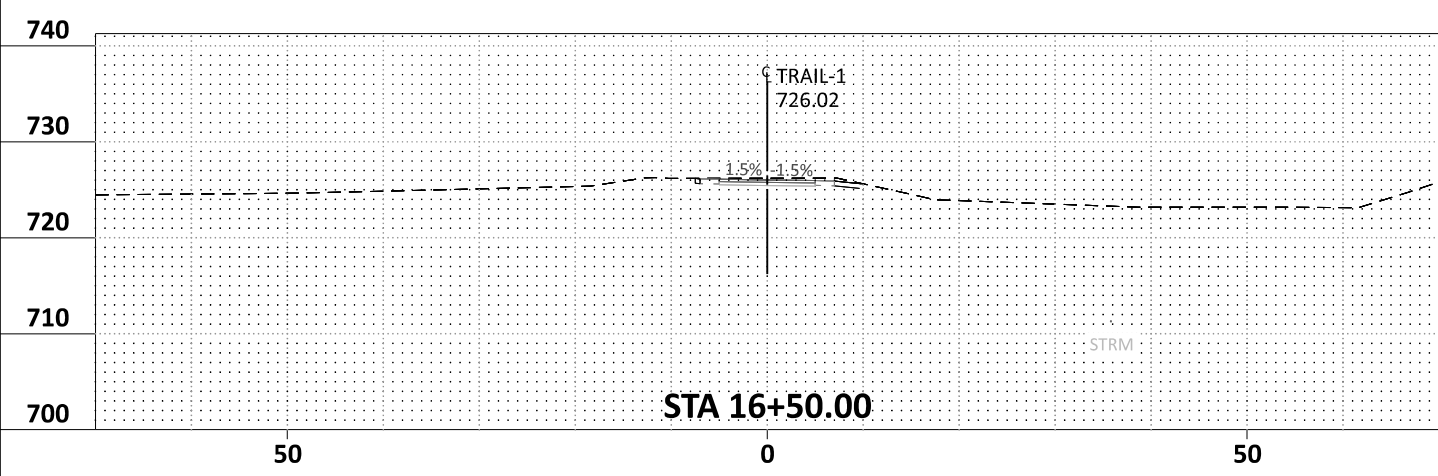
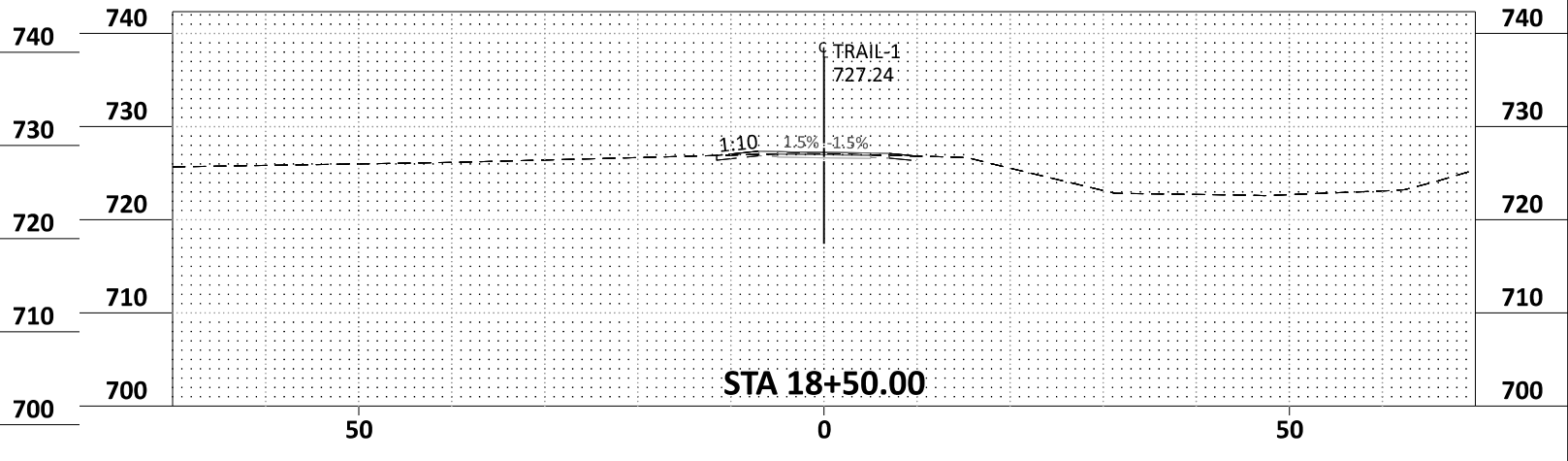
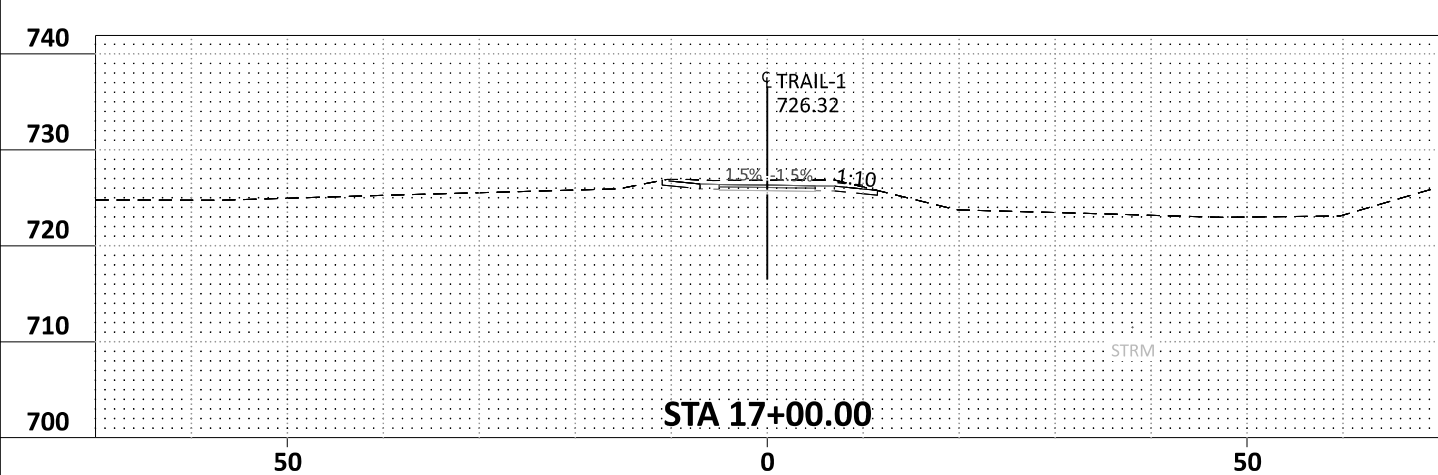
S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

SHEET XS2 OF XS34

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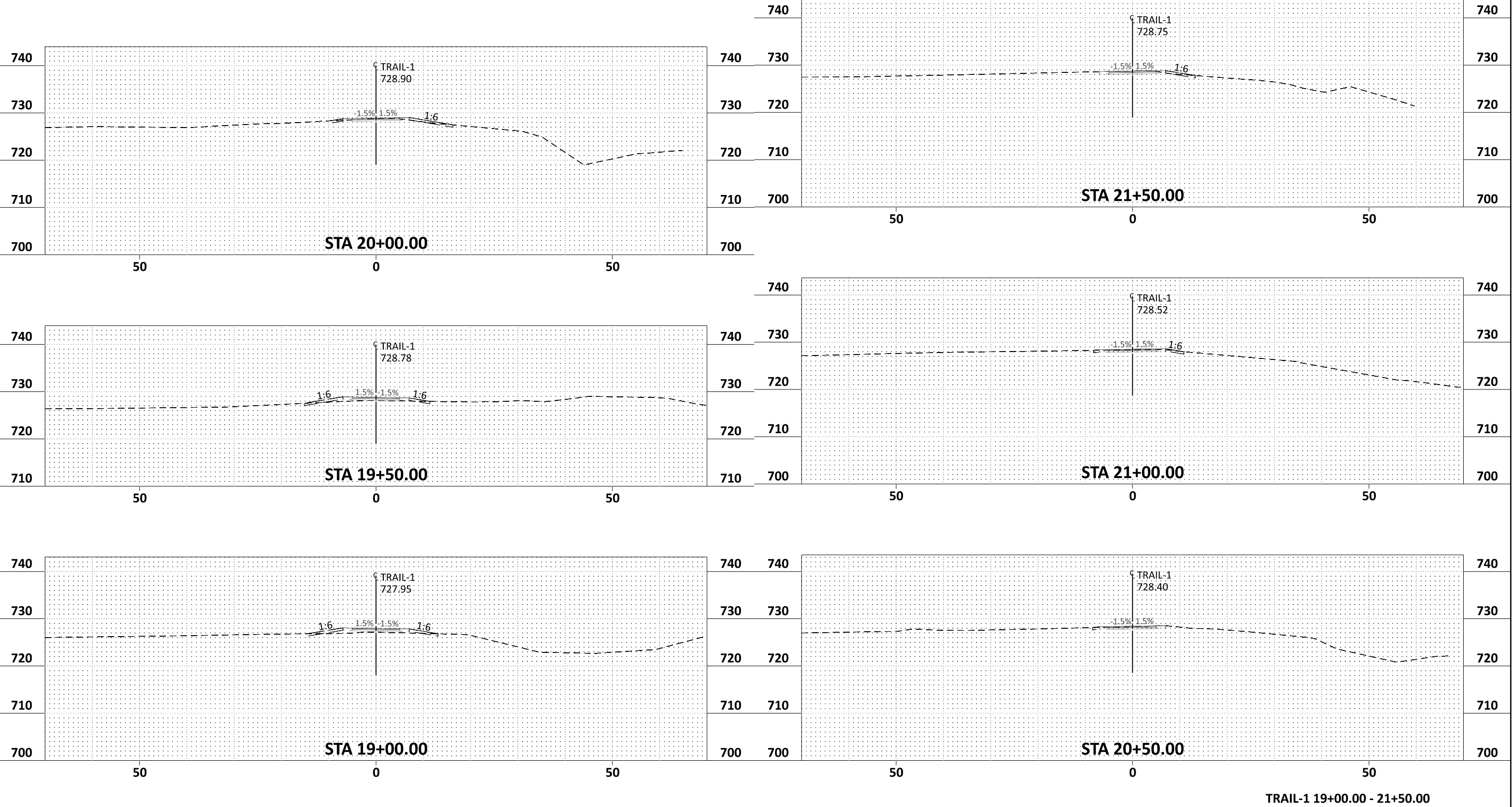
H:\CHKA\0T4130153\CAD\ORD\CHKA-0T4130153\plans\XS\cd_130153.XS.dgn		12224 NICOLLET AVENUE BURNSVILLE, MINNESOTA 55337 Phone: (952) 890-0509 Email: Burnsville@bolton-menk.com www.bolton-menk.com	REV.	BY	DATE	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. ENGINEER SIGNATURE 1 TIM LAMKIN, JR. LIC. NO. 47099 DATE XX-XX-XX	DESIGNED APW	S.P. 196-090-002 MN RIVER BLUFFS REGIONAL TRAIL SECTION NAME	SHEET XS3 OF XS34
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							CHECKED THL		

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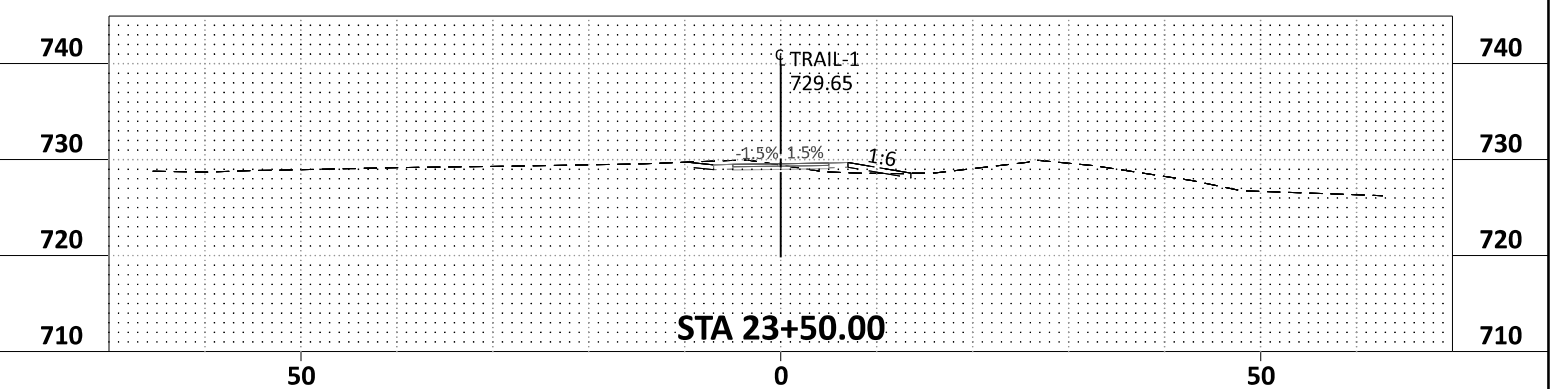
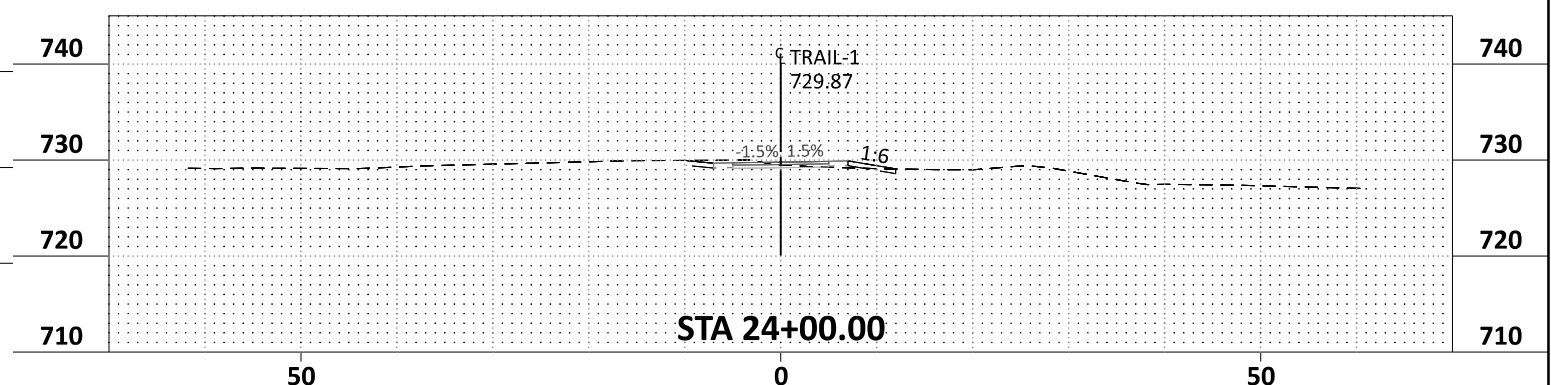
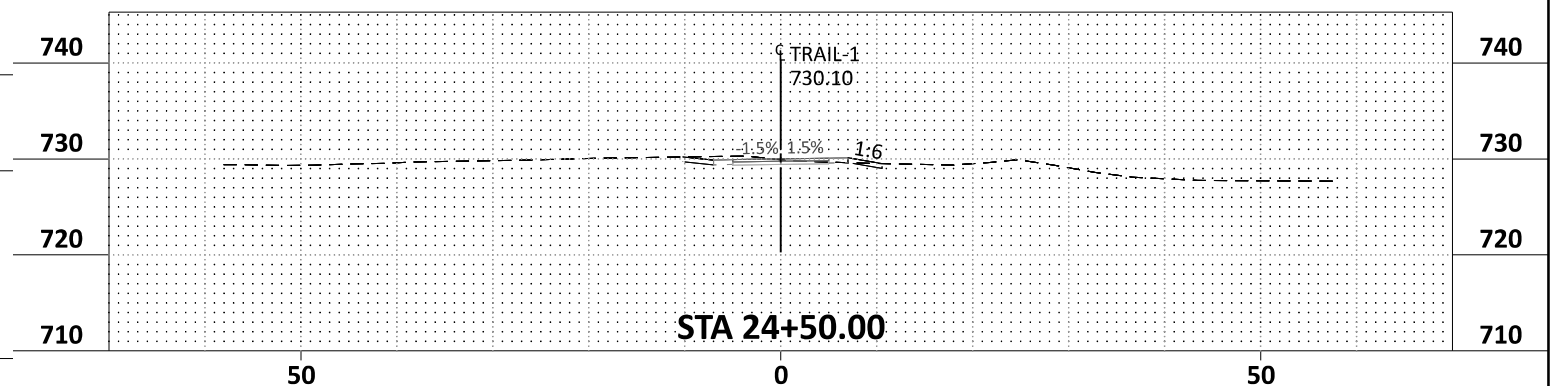
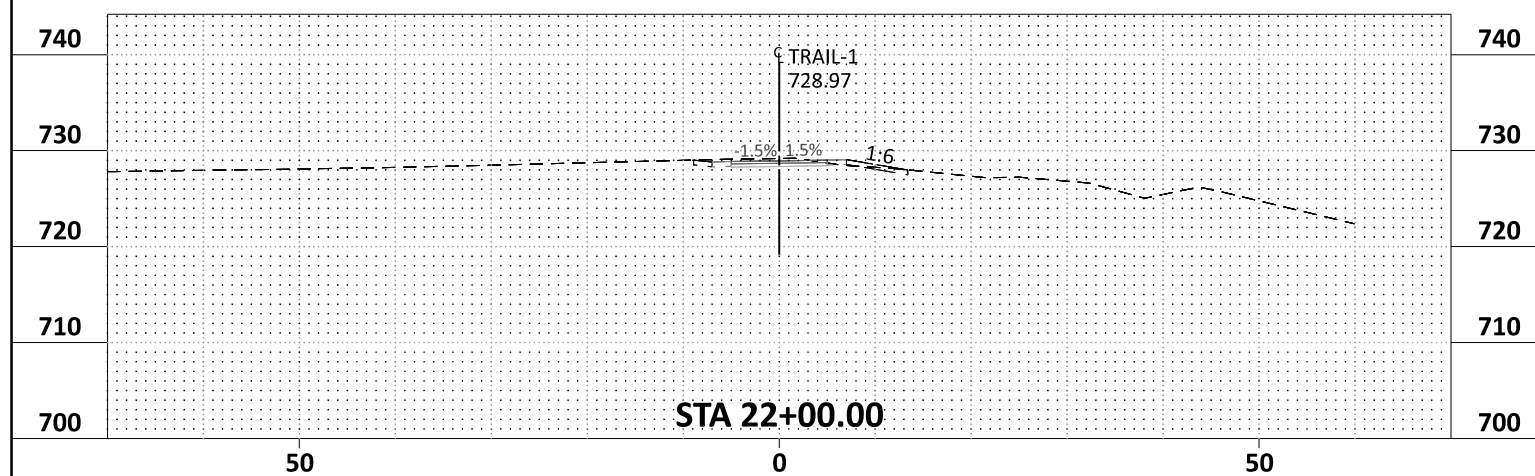
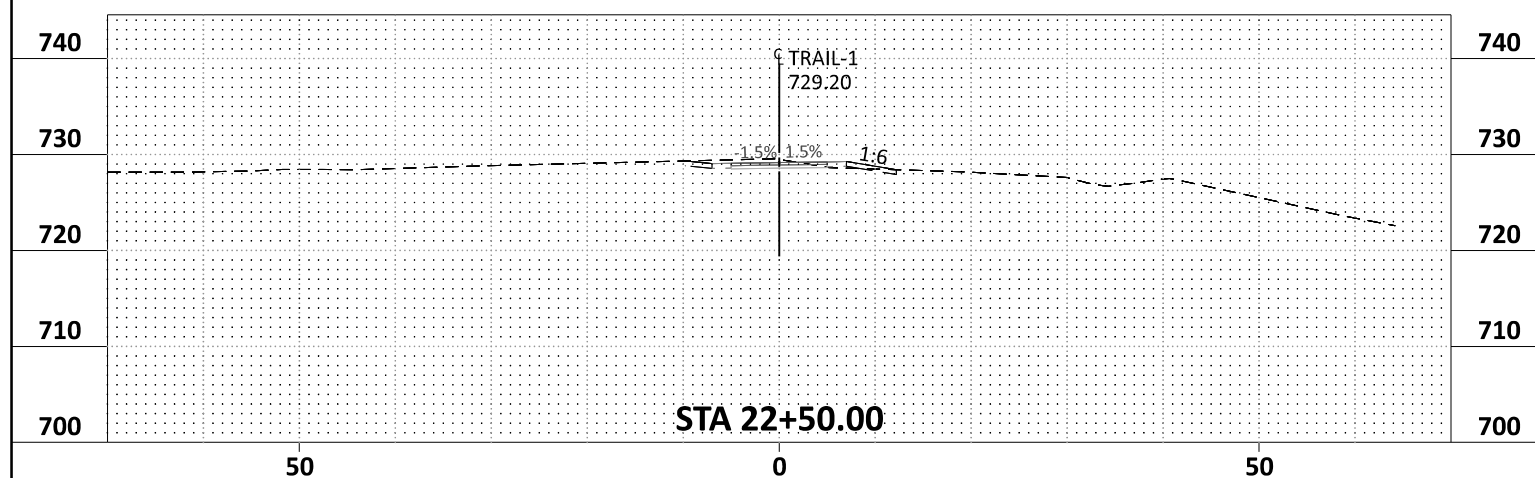
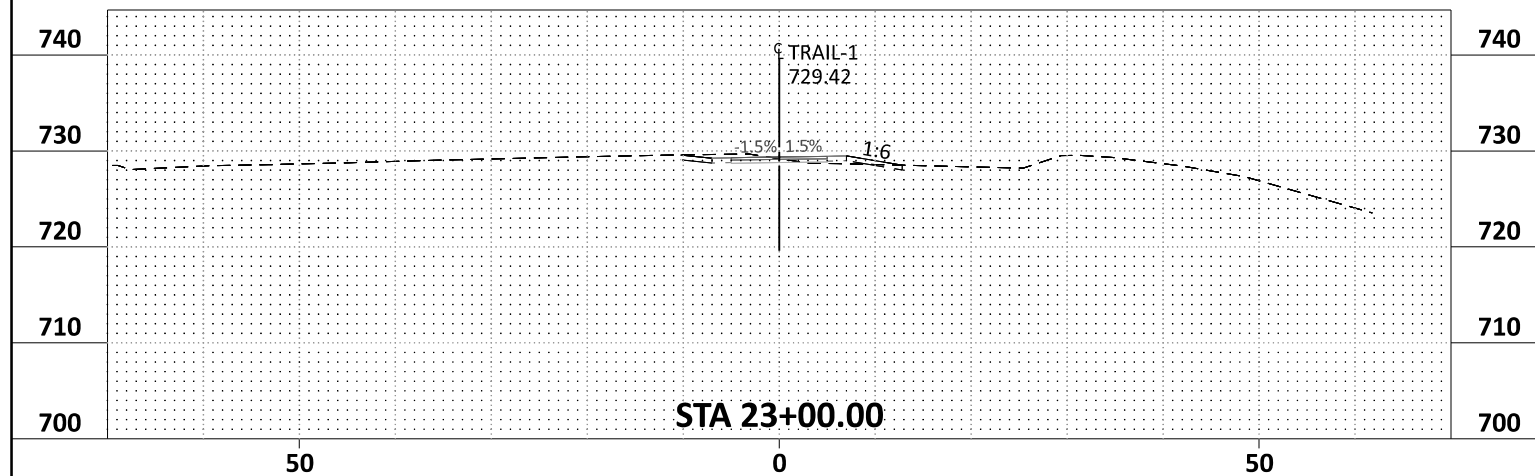
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TRAIL-1 19+00.00 - 21+50.00

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TRAIL-1 22+00.00 - 24+50.00

S.P. 196-090-002

MN RIVER BLUFFS REGIONAL TRAIL

CROSS SECTION

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Page 265 of 352

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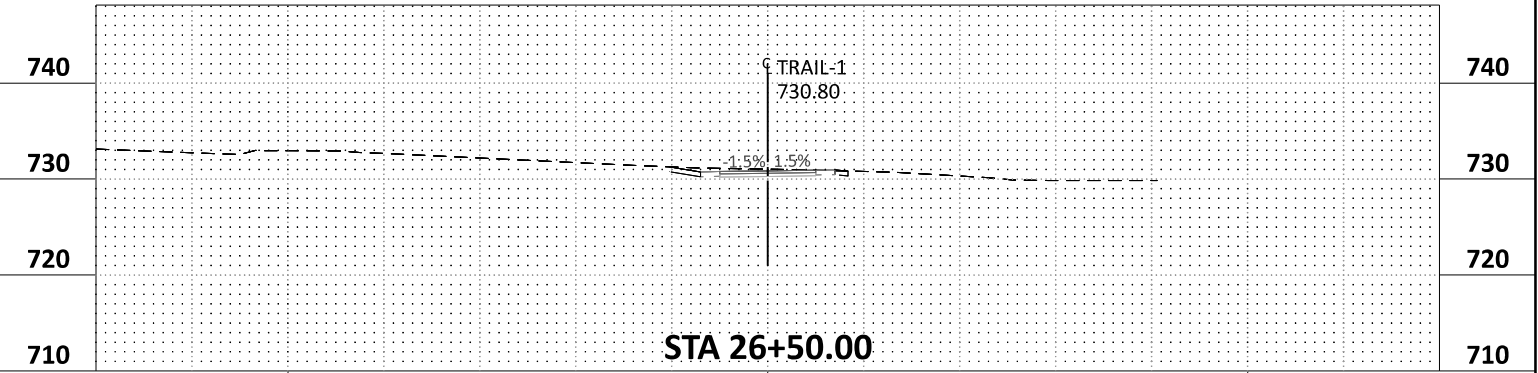
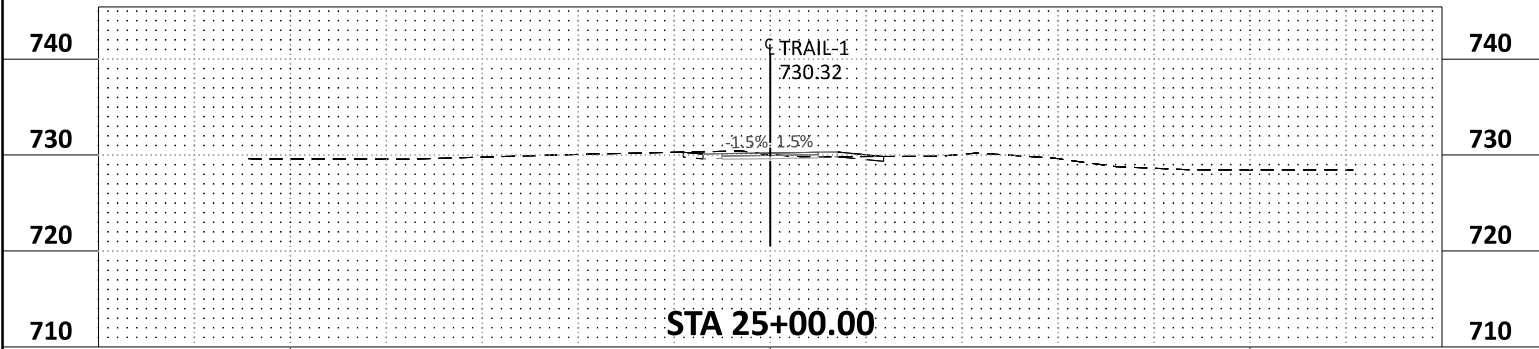
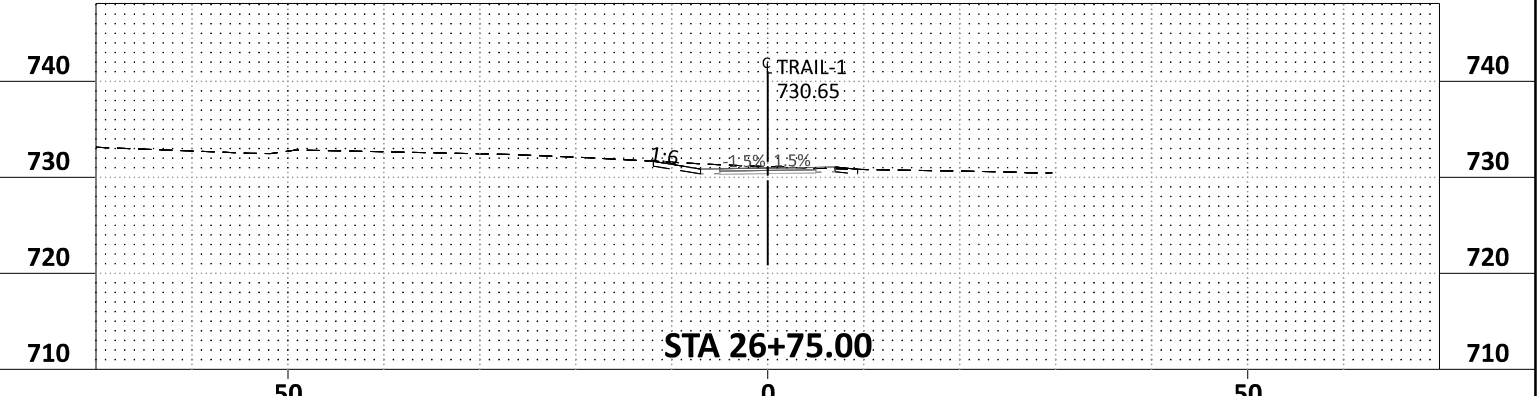
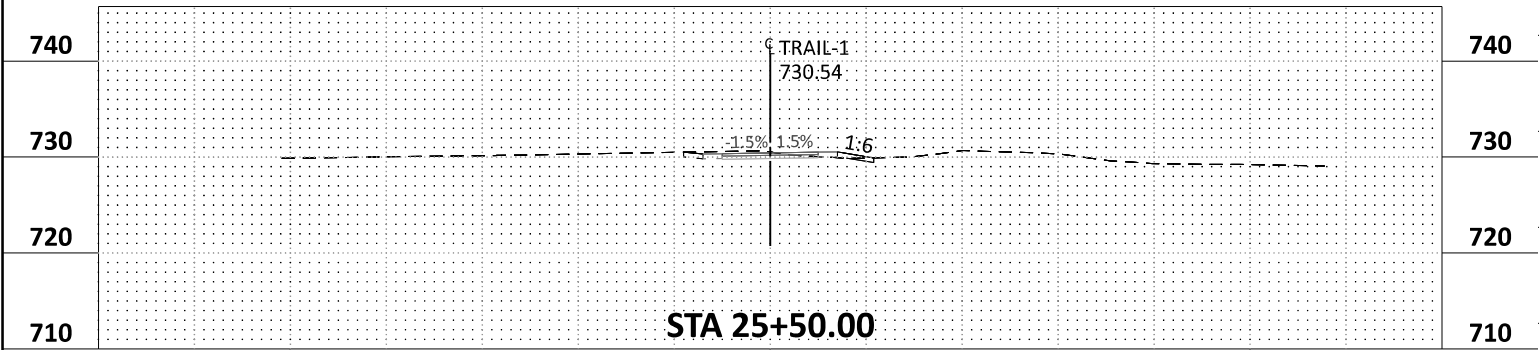
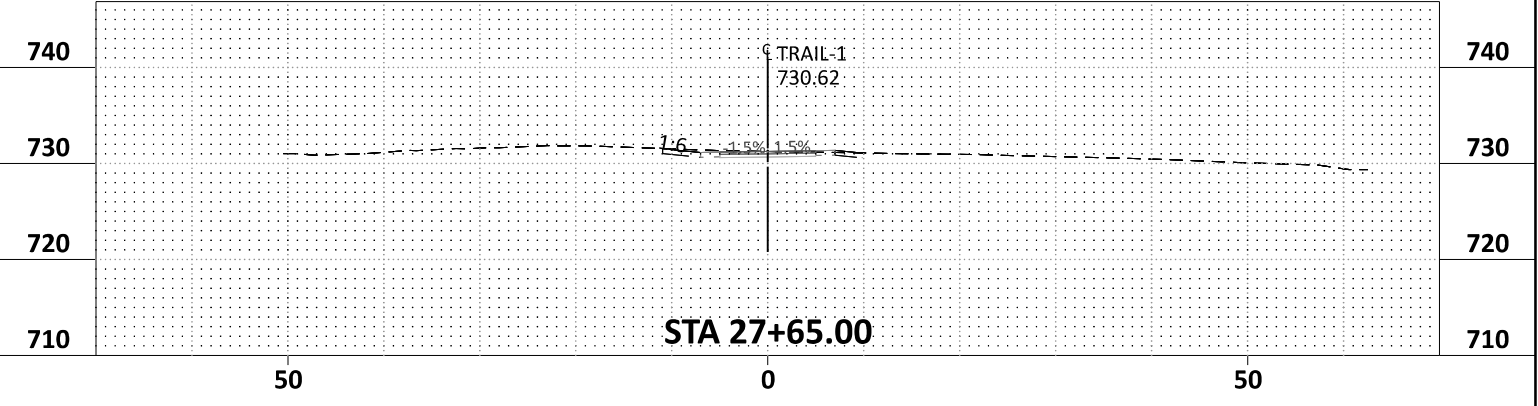
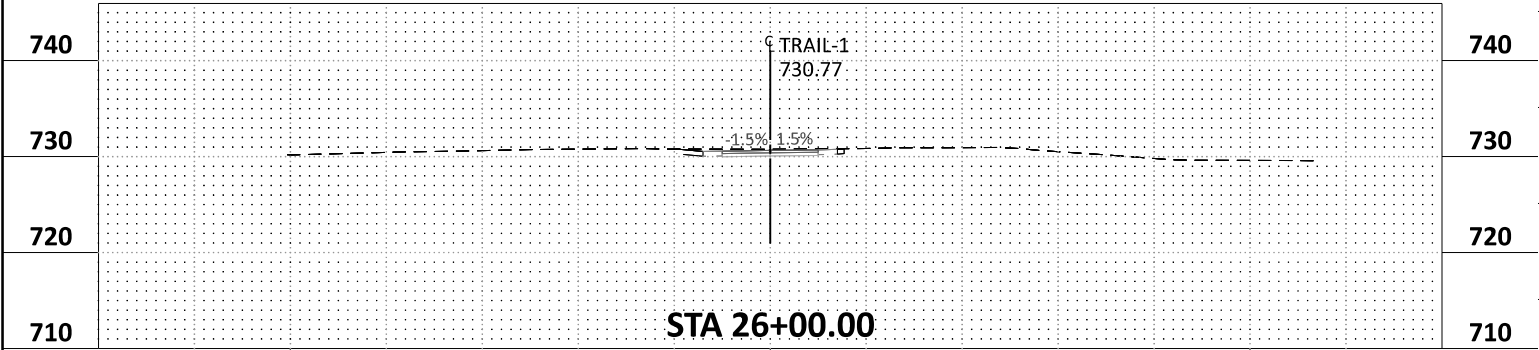
ENGINEER SIGNATURE: _____
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

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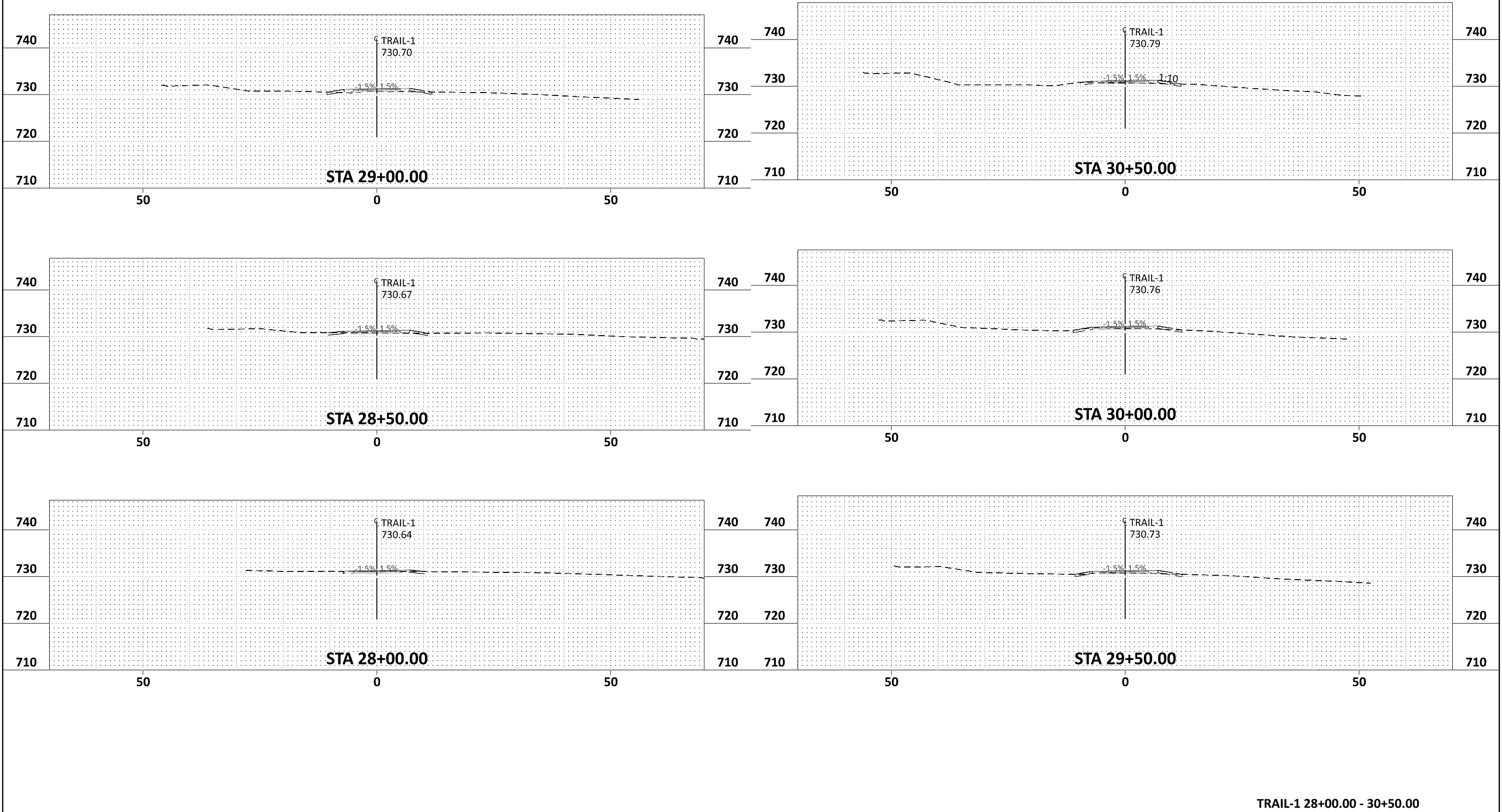
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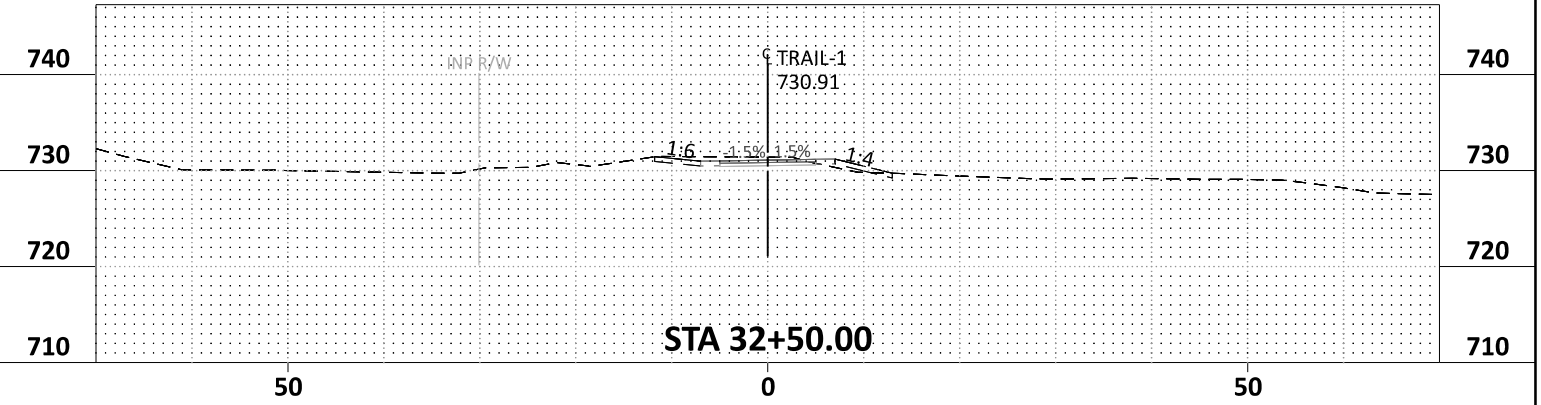
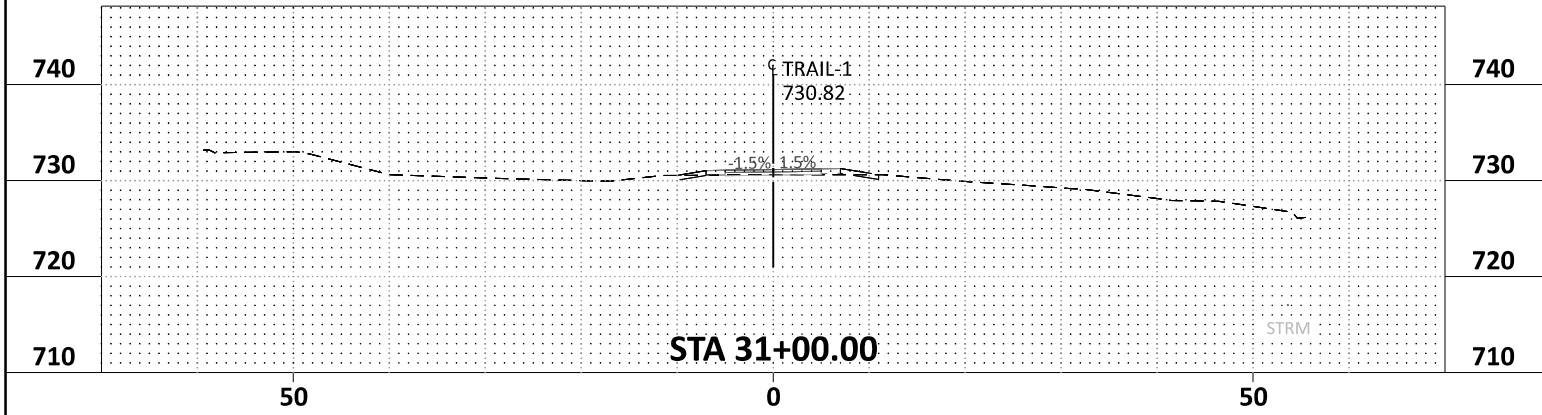
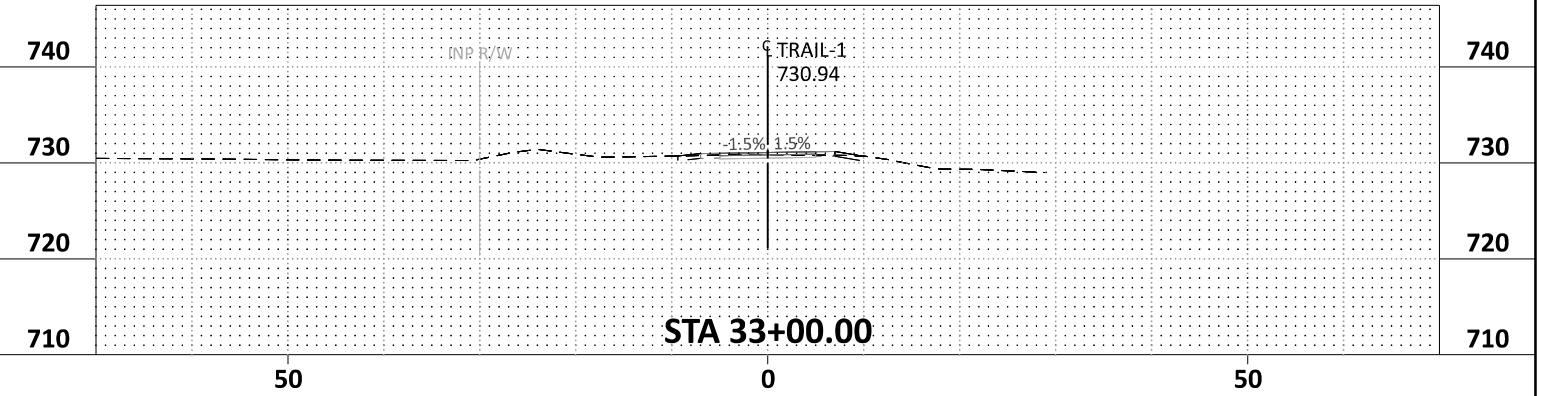
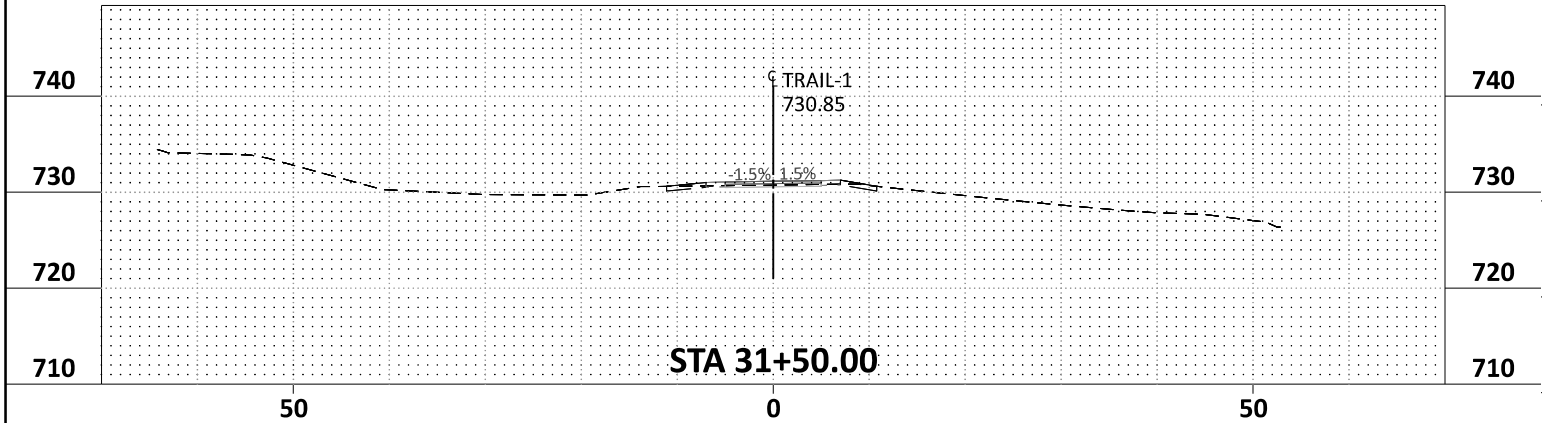
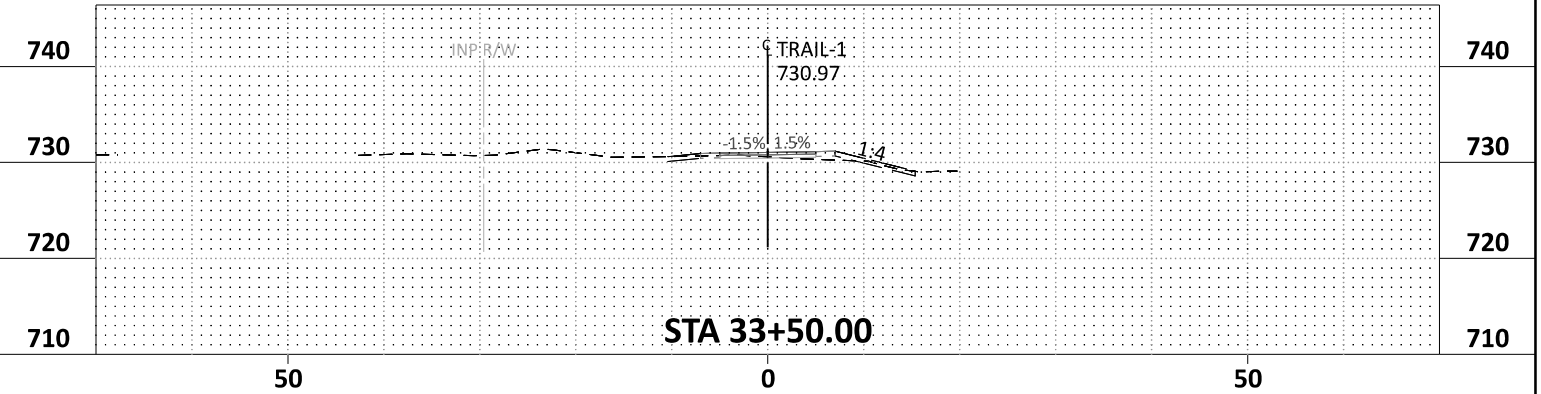
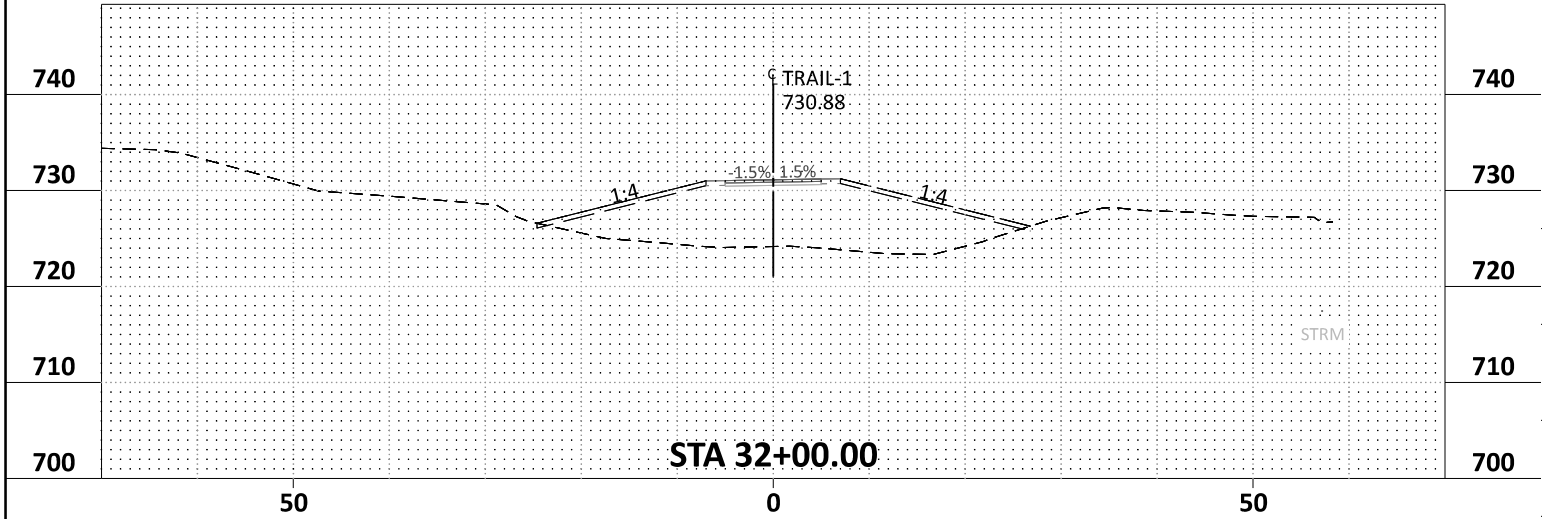


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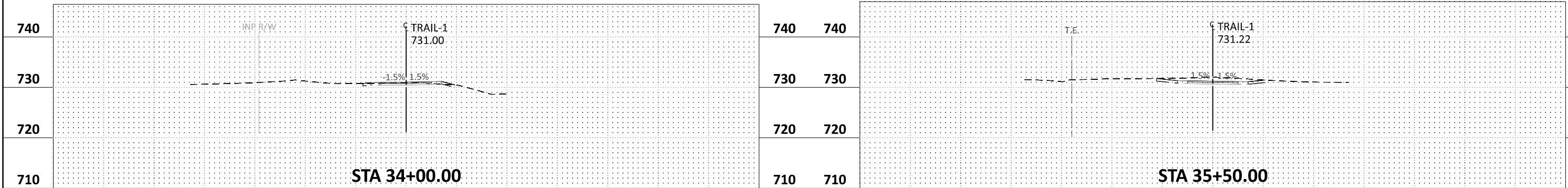
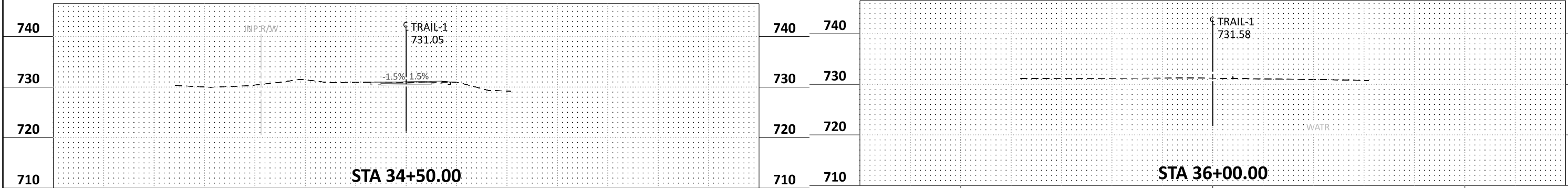
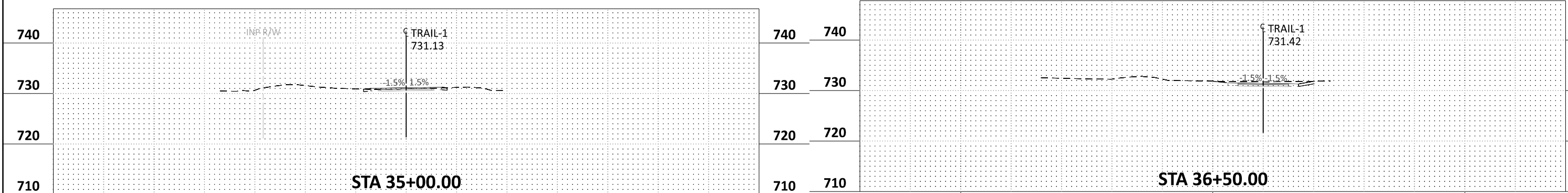
TRAIL-1 31+00.00 - 33+50.00

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							CHECKED THL		

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STA 38+00.00

TRAIL-1
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TRAIL-1 37+00.00 - 39+50.00

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ENGINEER SIGNATURE 1

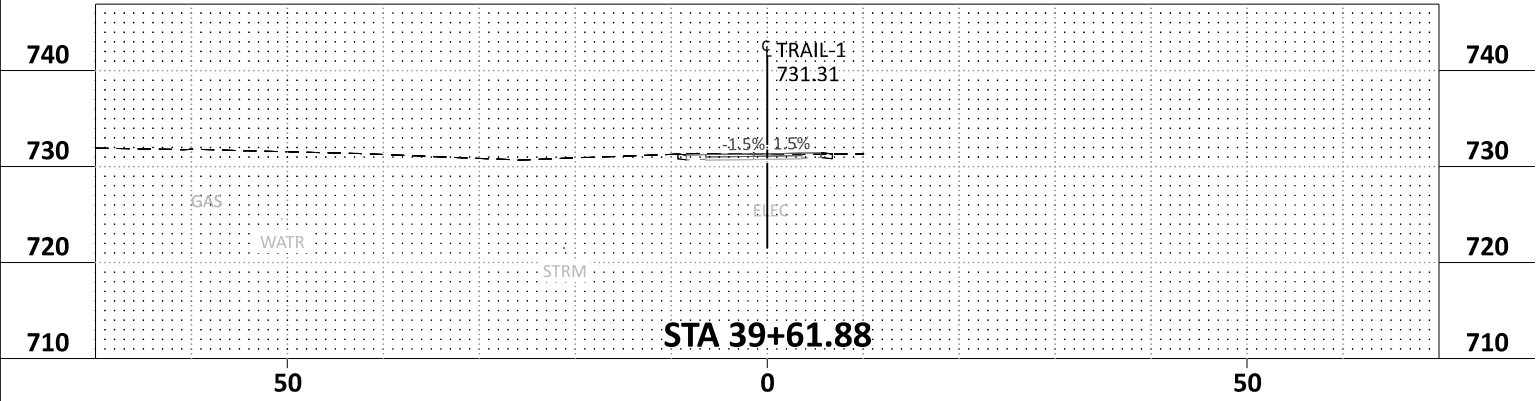
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

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S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

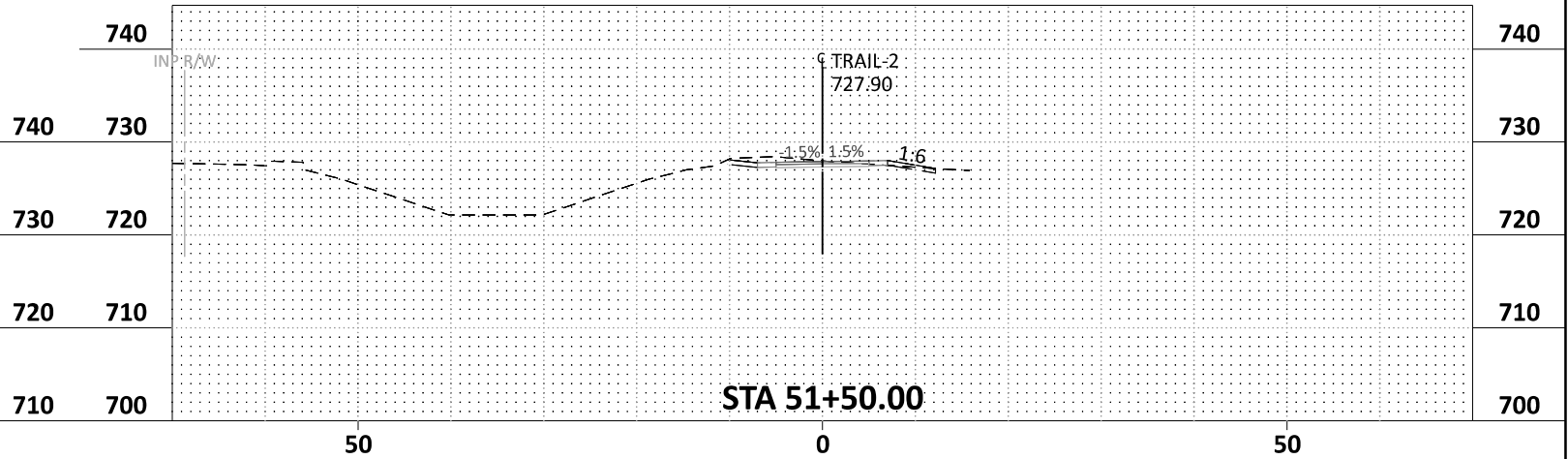
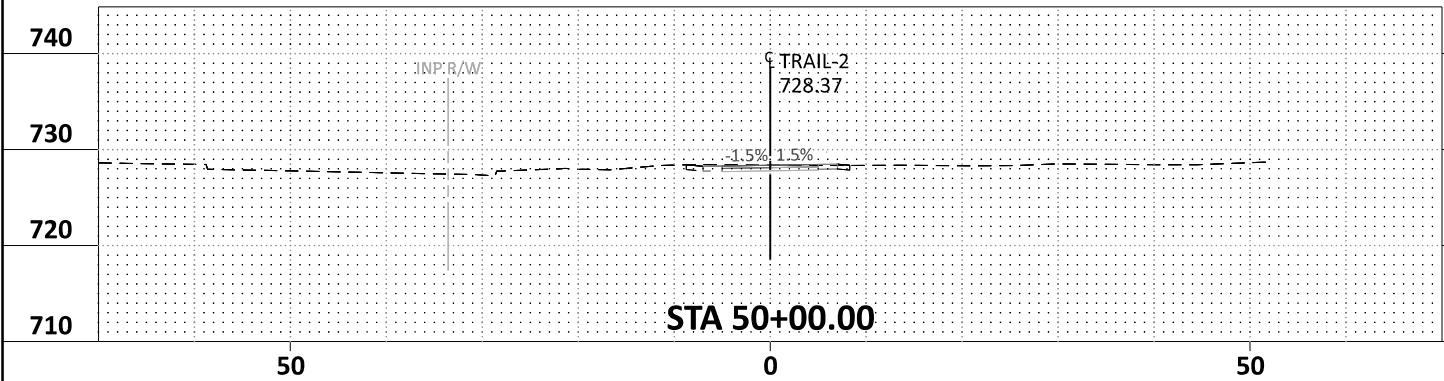
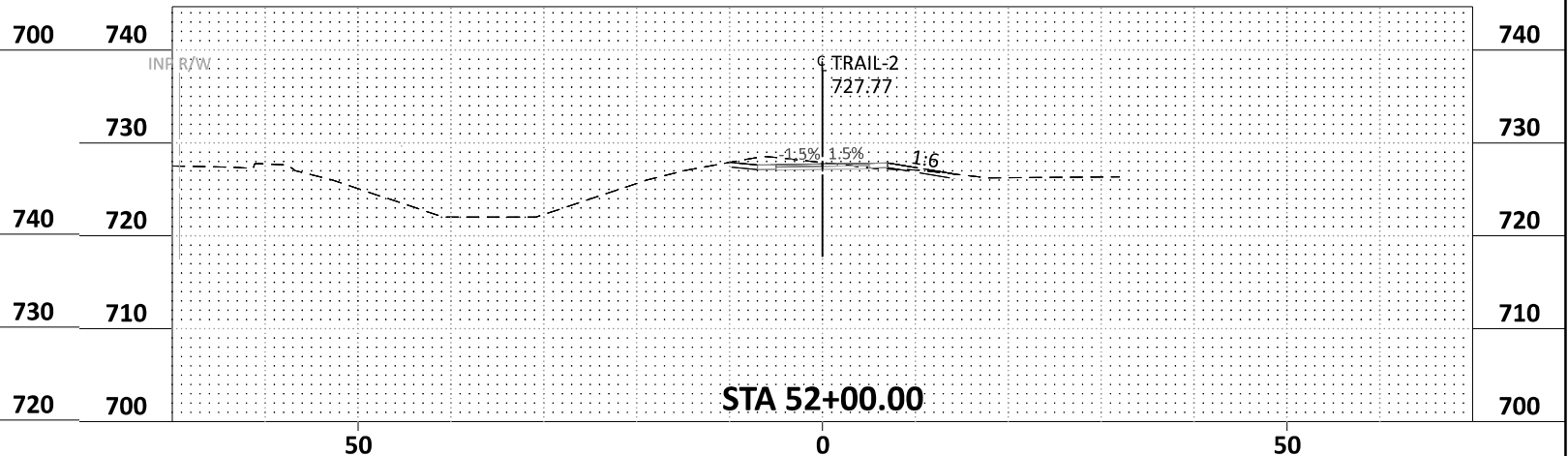
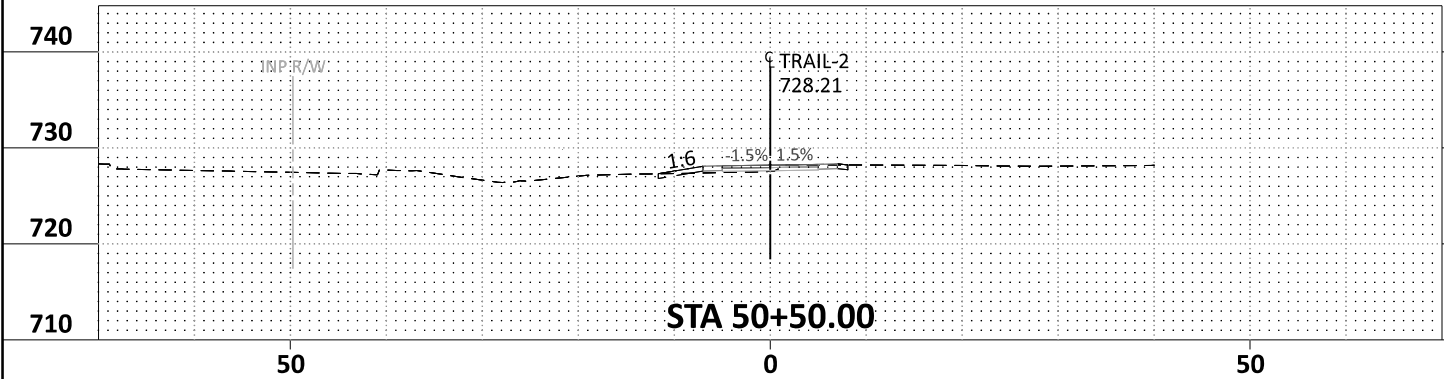
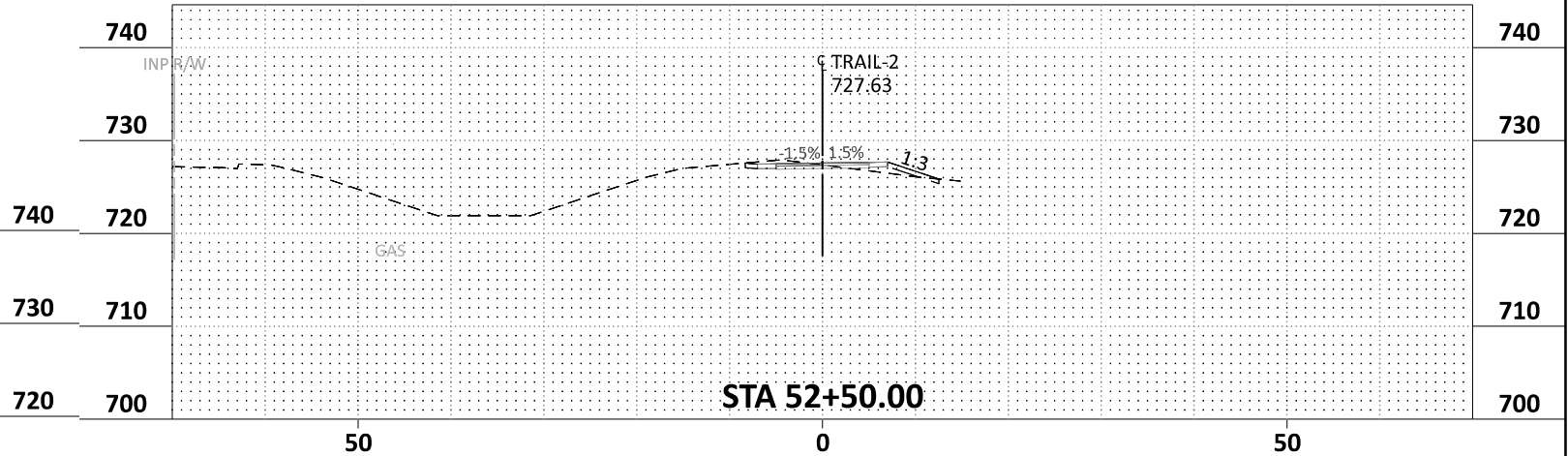
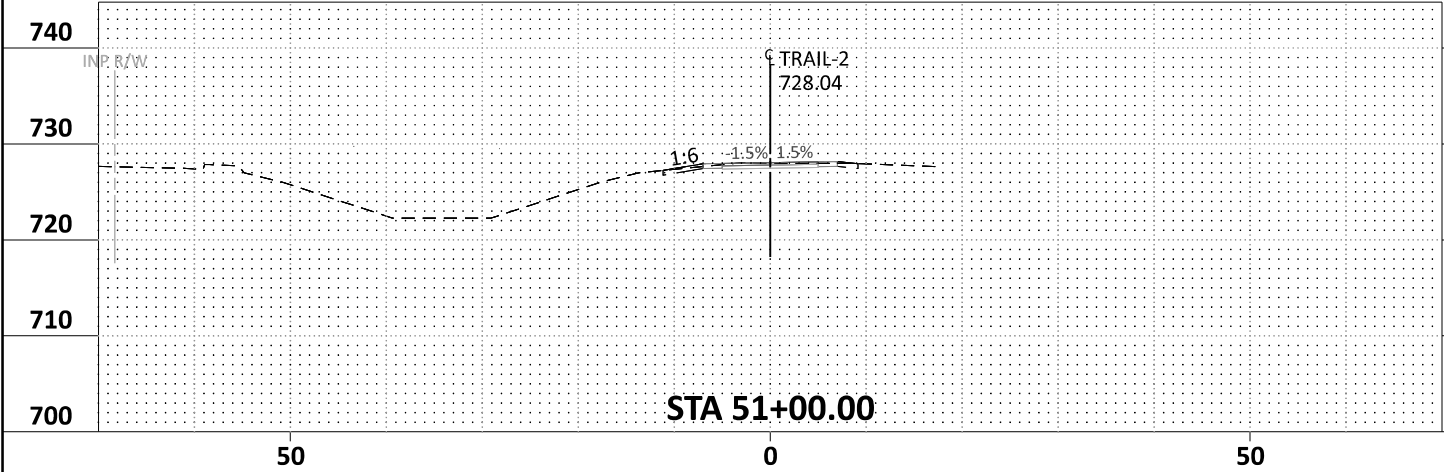
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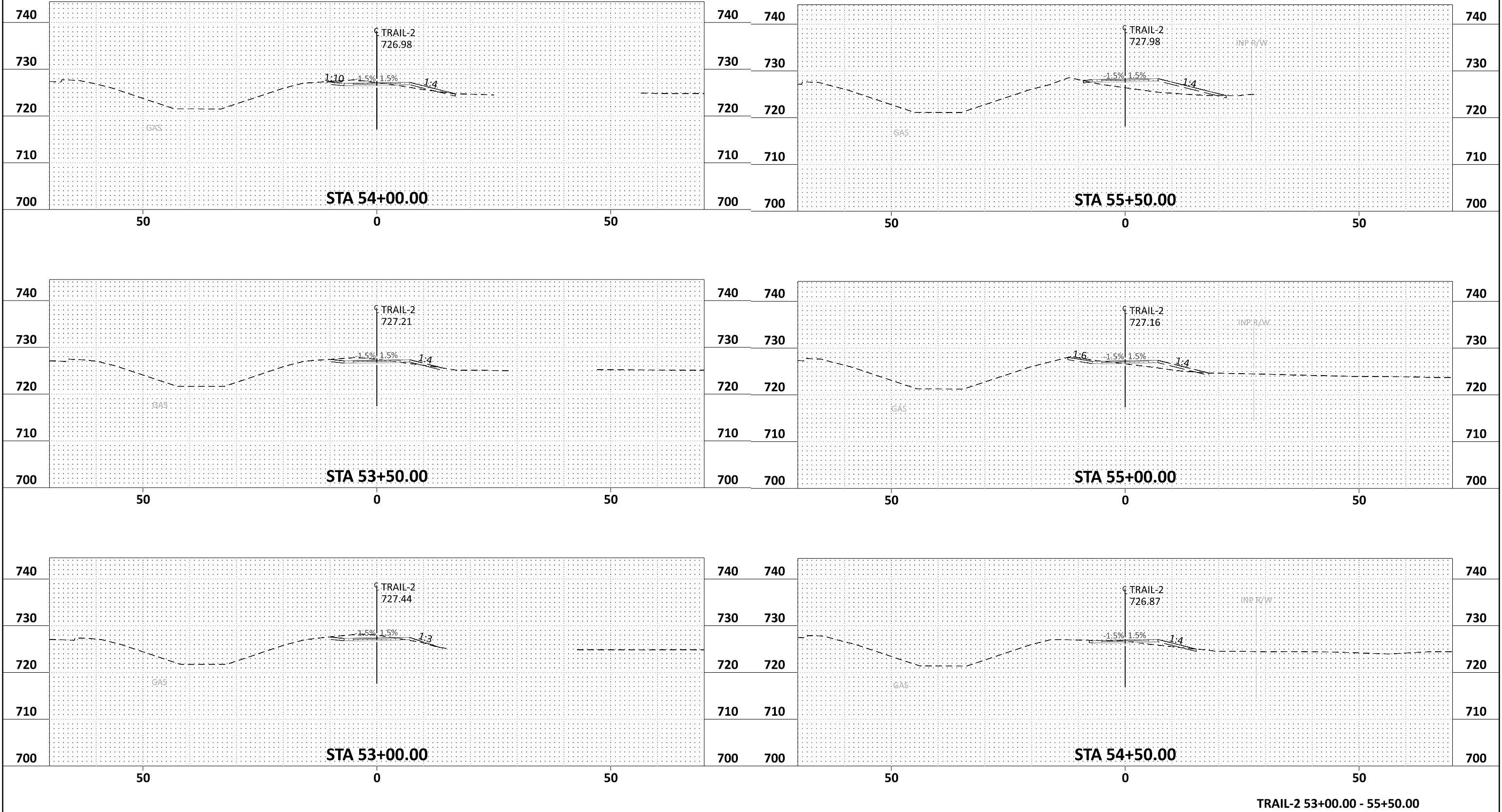
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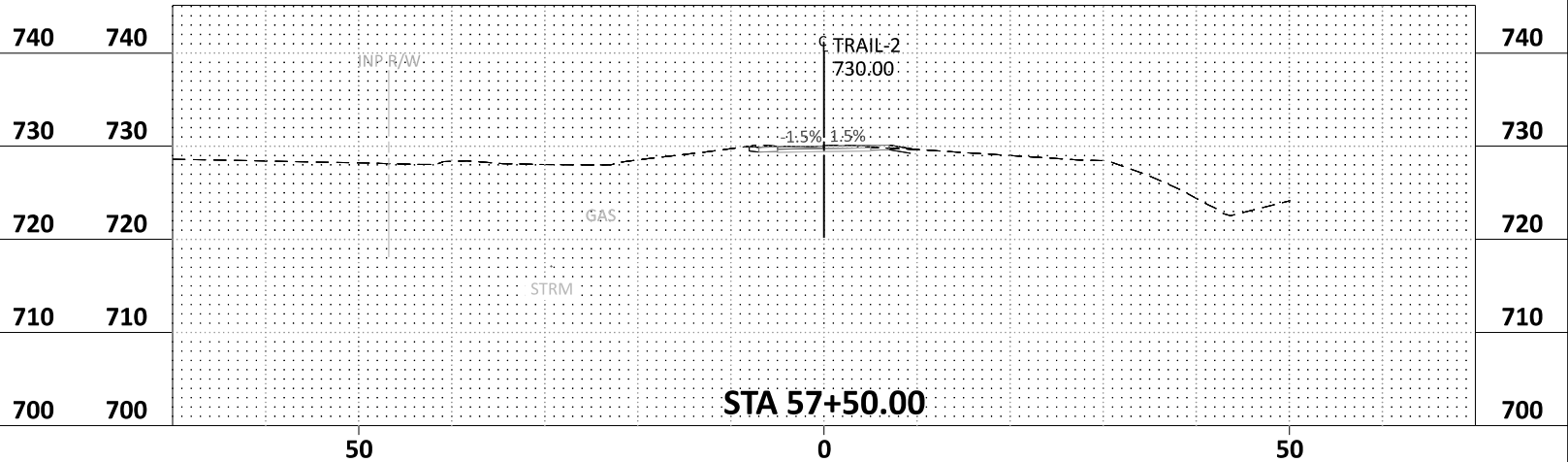
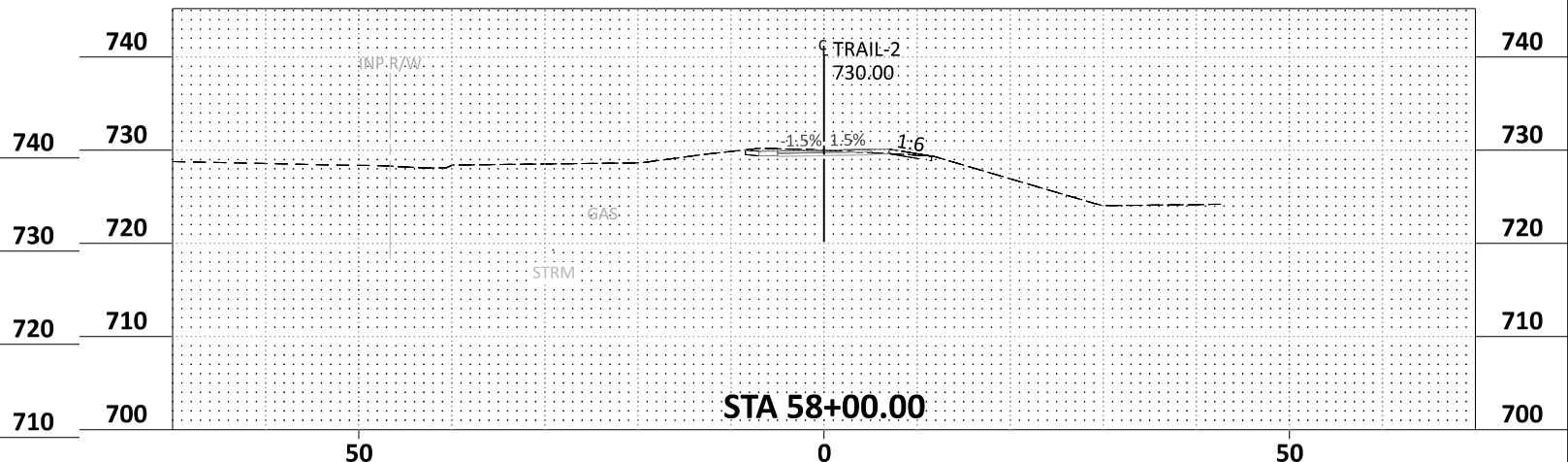
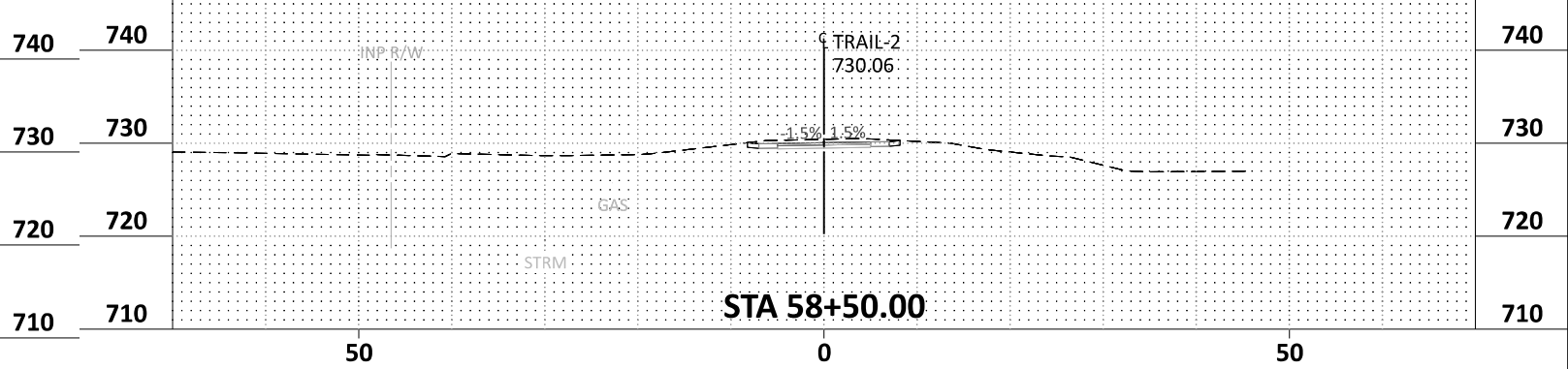
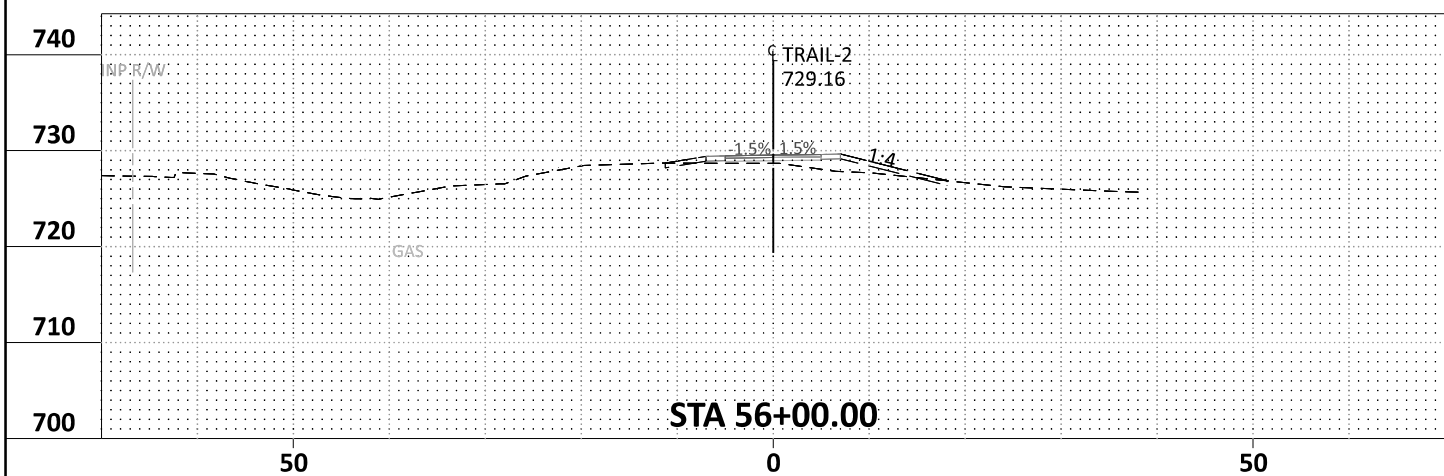
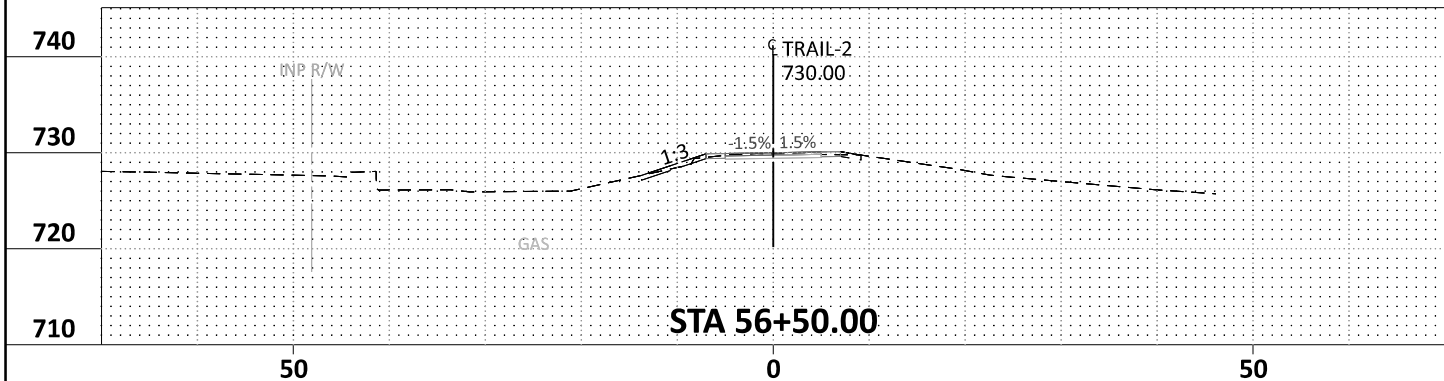
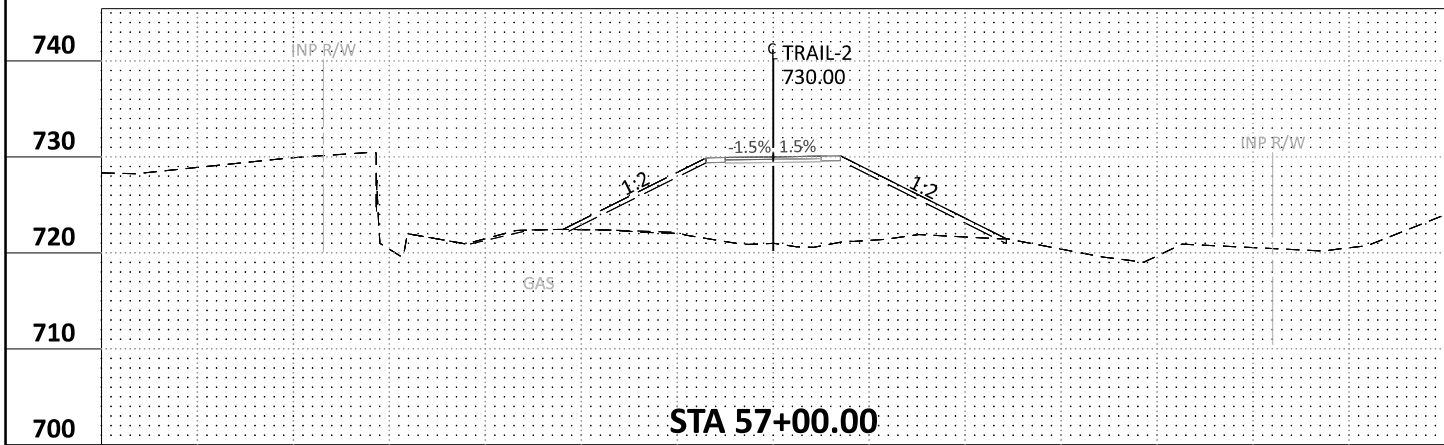
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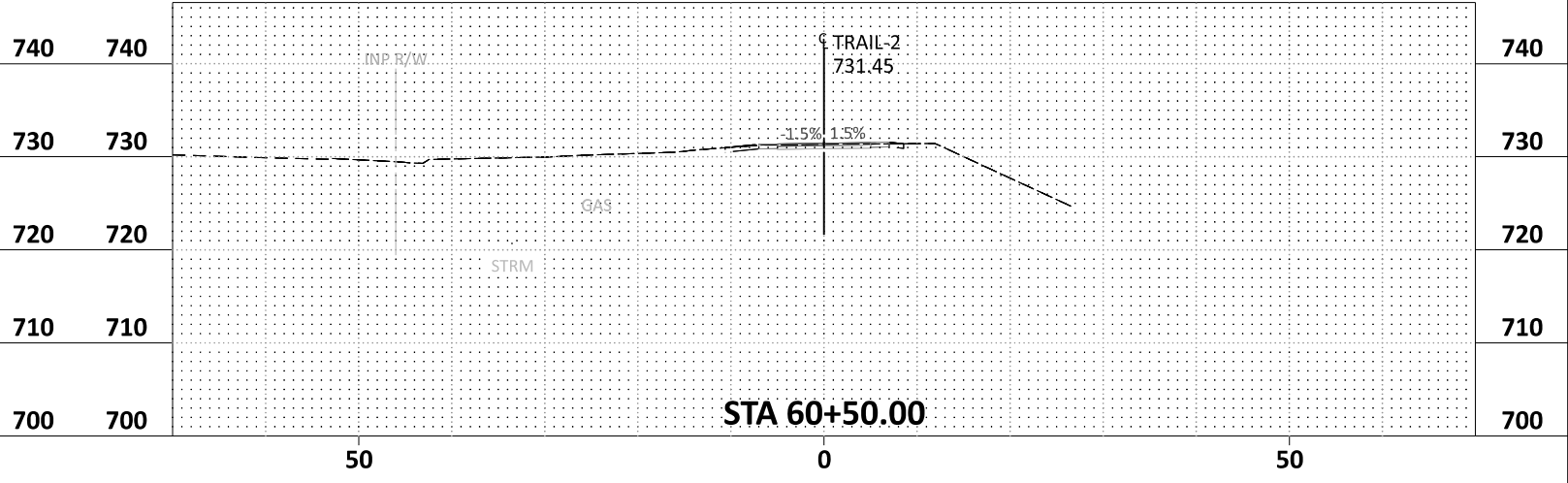
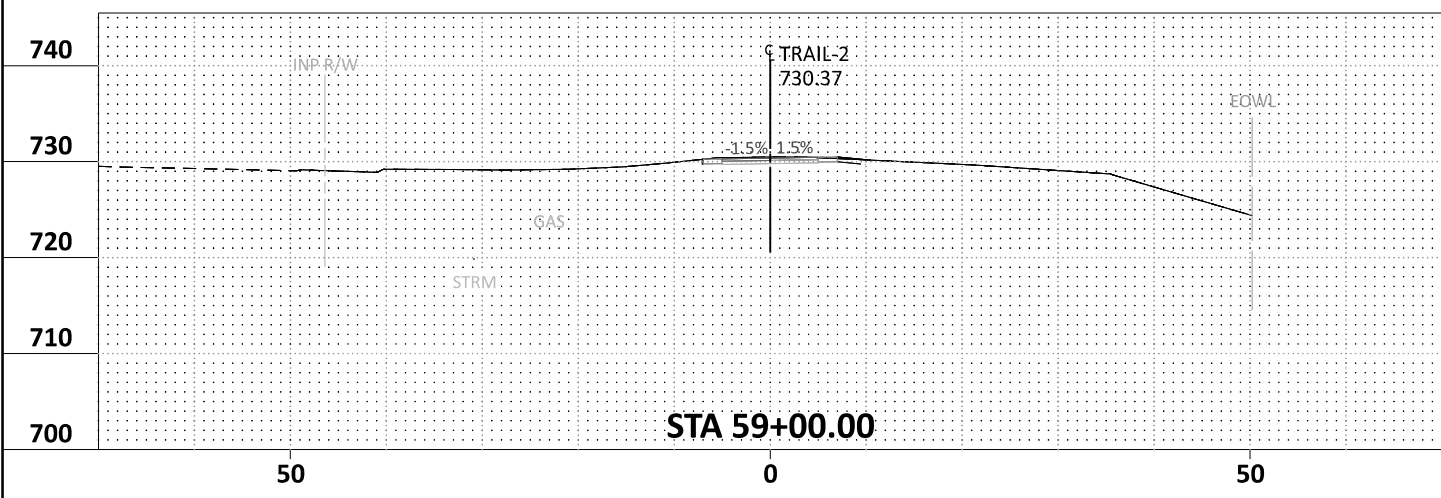
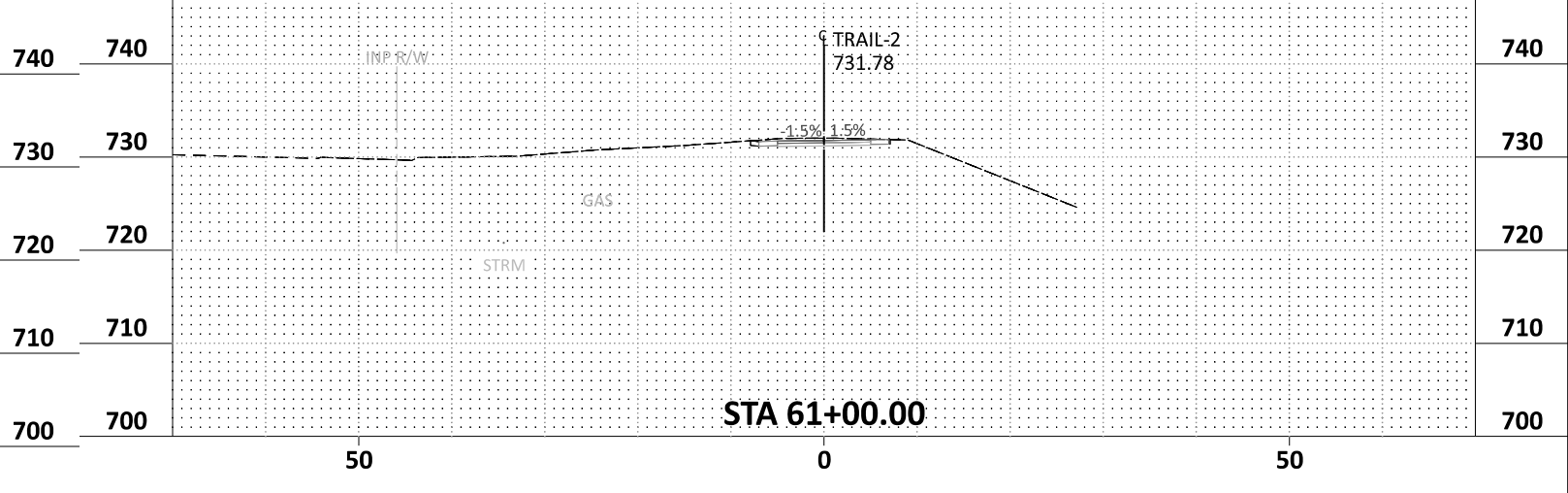
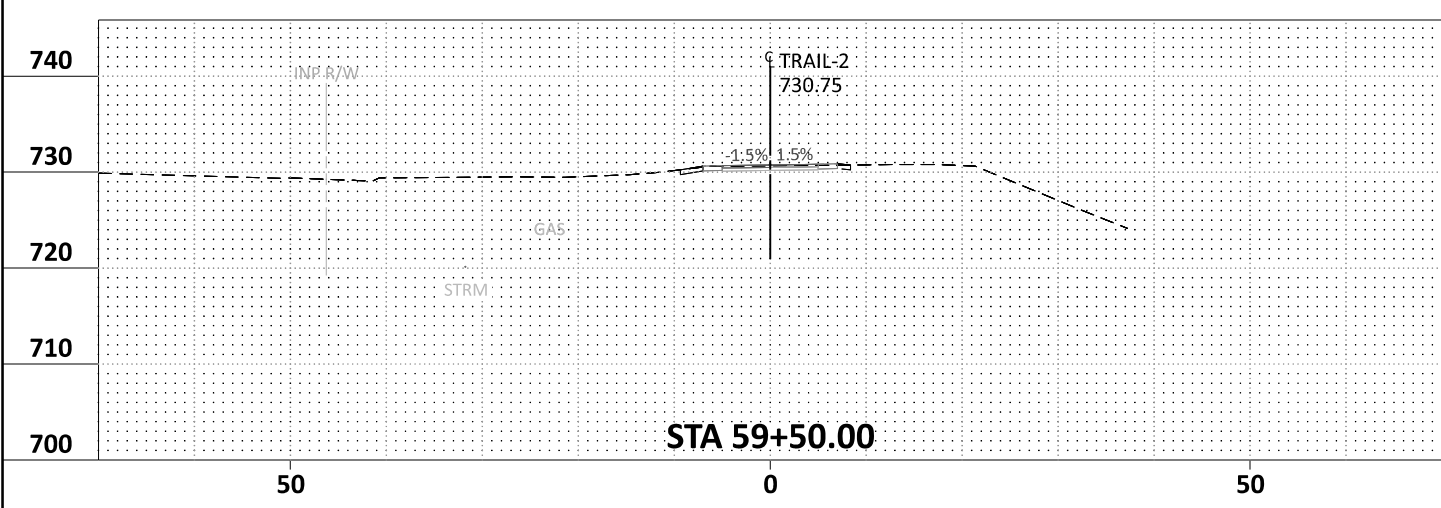
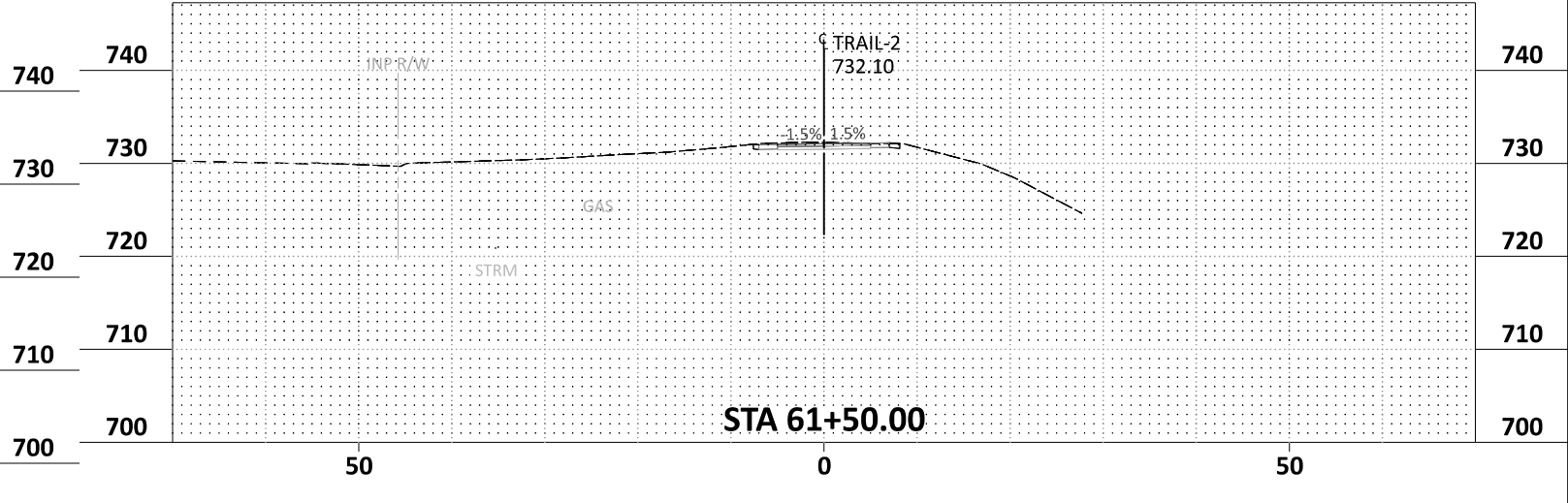
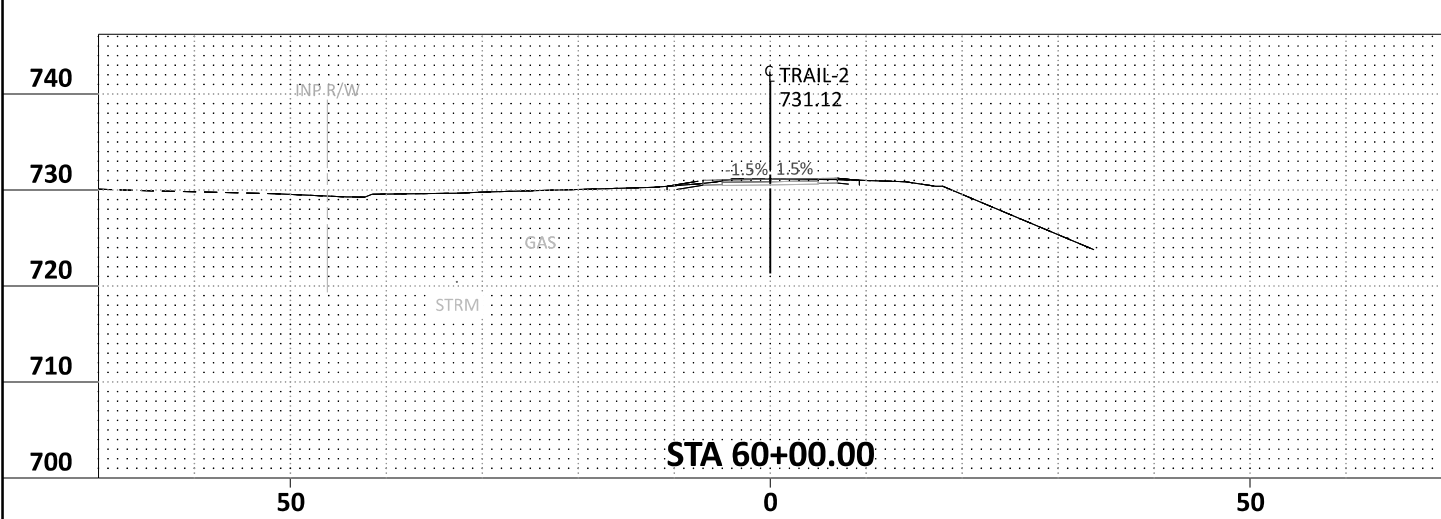
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

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DRAWN APW
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MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

SHEET XS14 OF XS34

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LIC. NO. 47099 DATE XX-XX-XX

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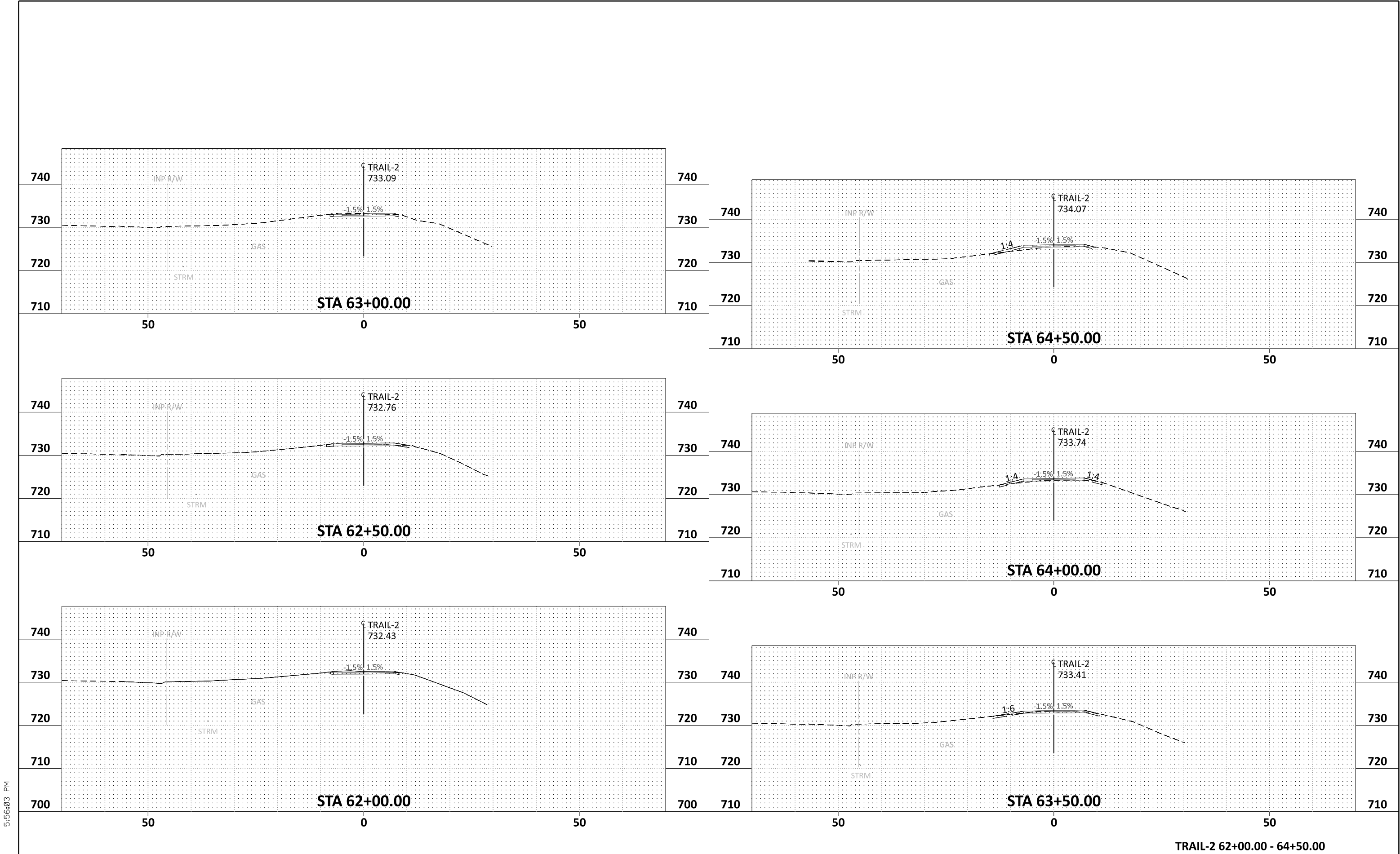
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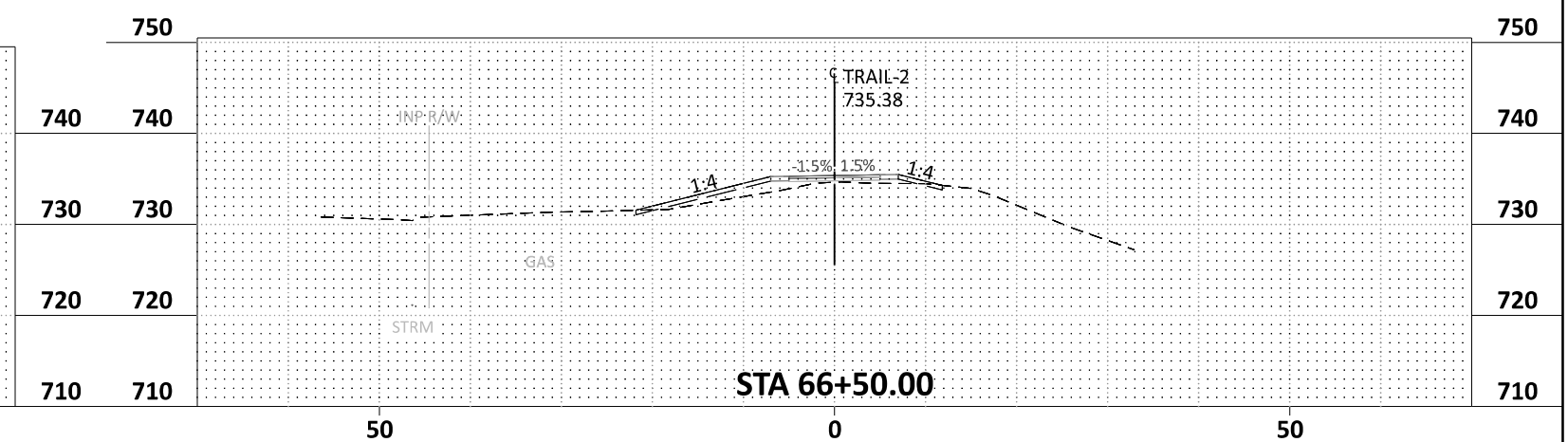
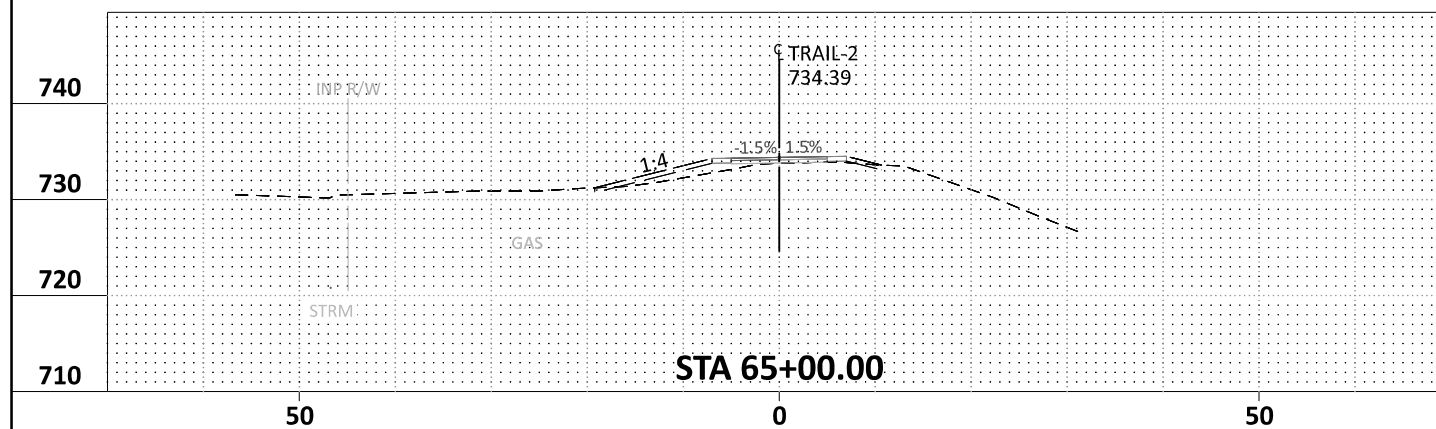
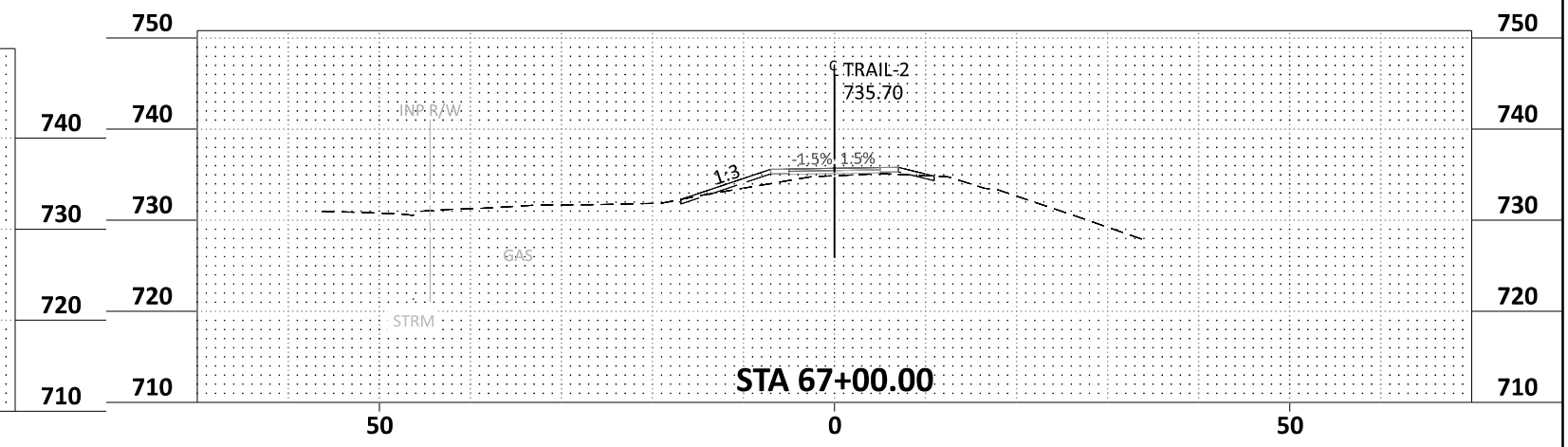
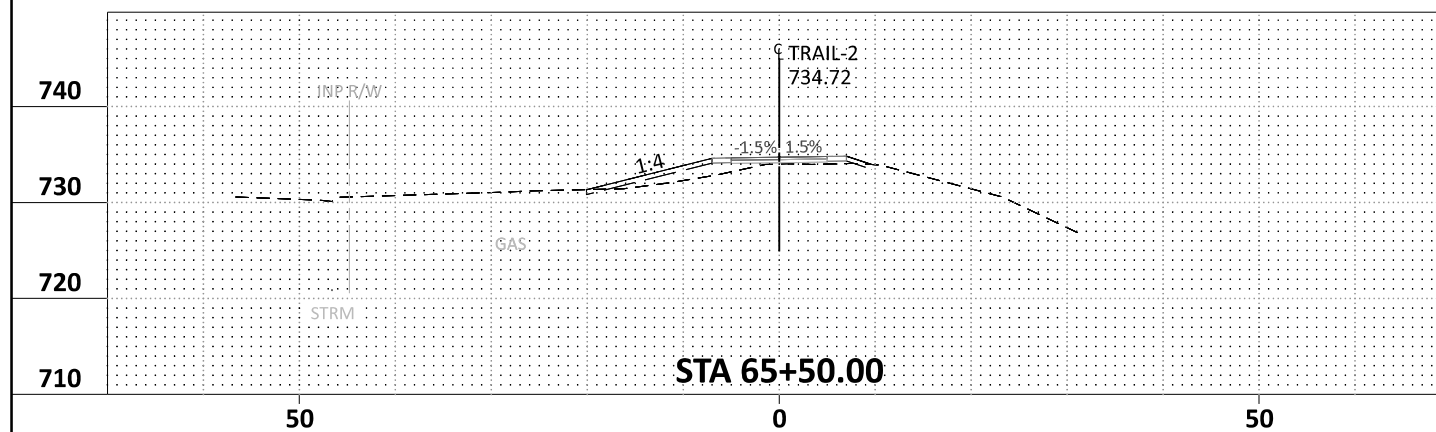
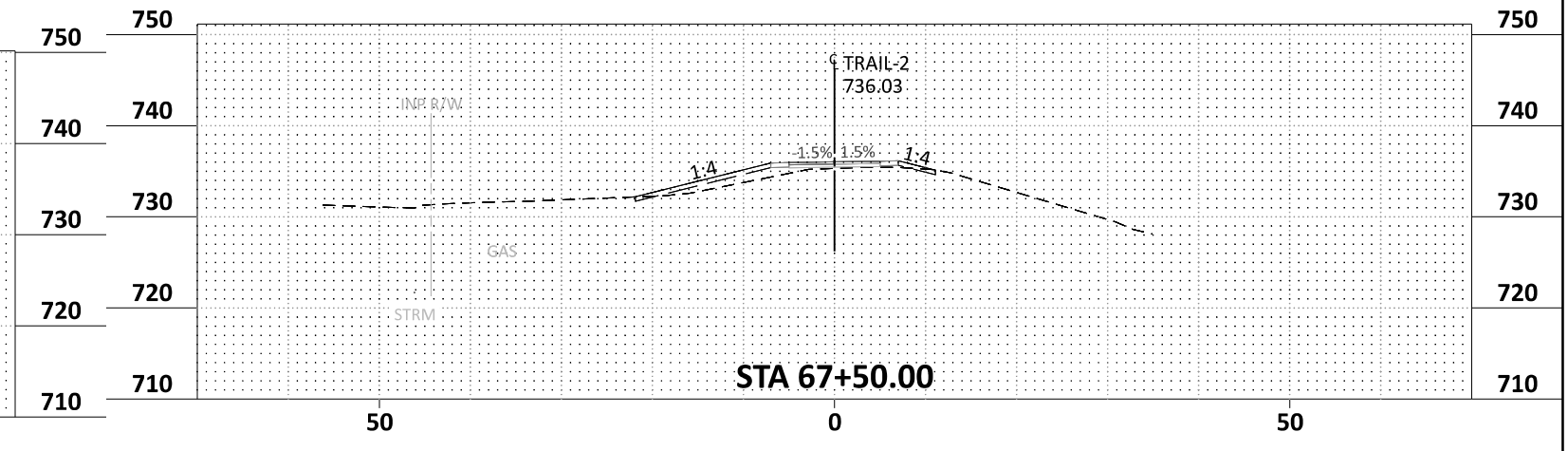
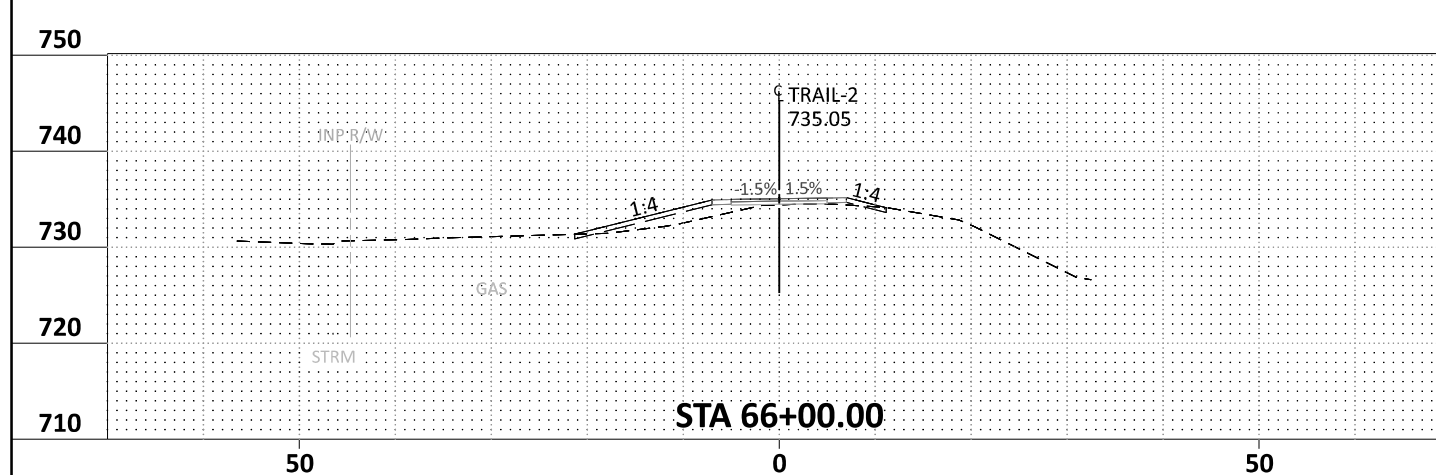
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TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

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CHECKED THL

S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

SHEET OF
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TRAIL-2 65+00.00 - 67+50.00

S.P. 196-090-002

MN RIVER BLUFFS REGIONAL TRAIL

CROSS SECTION

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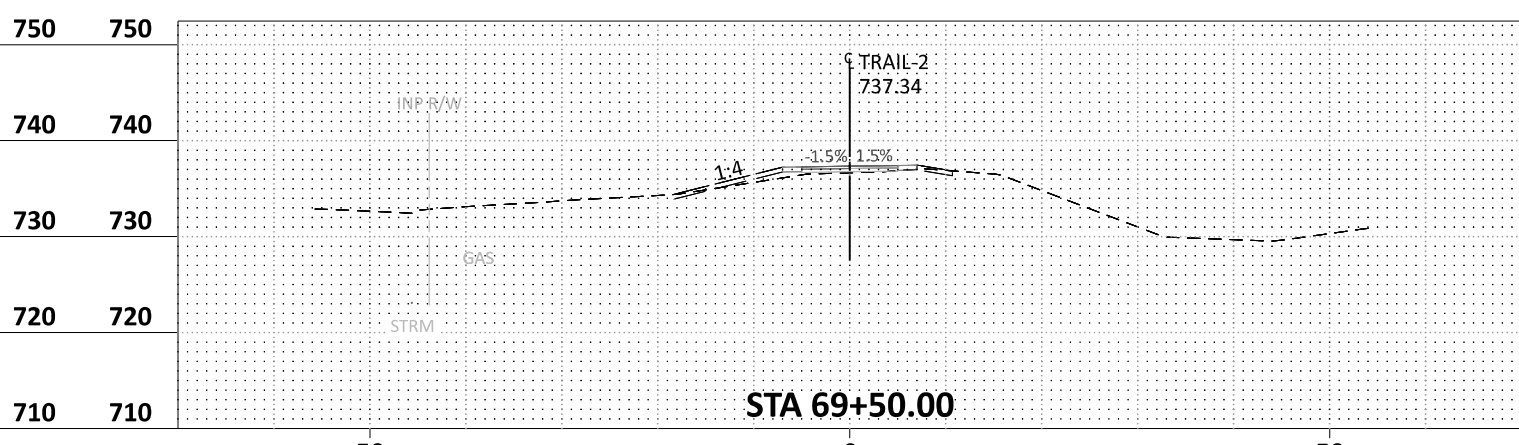
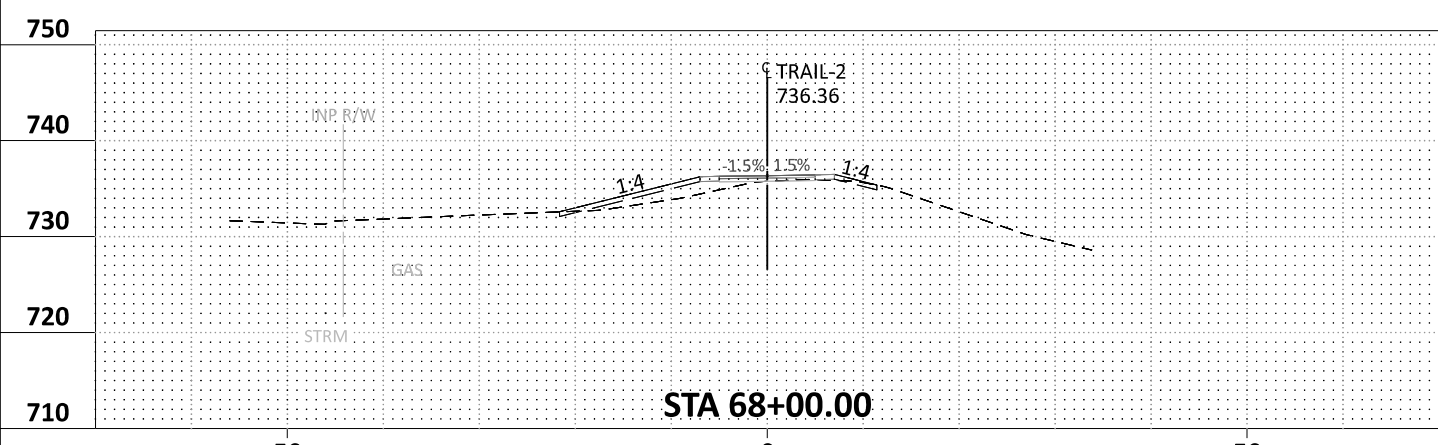
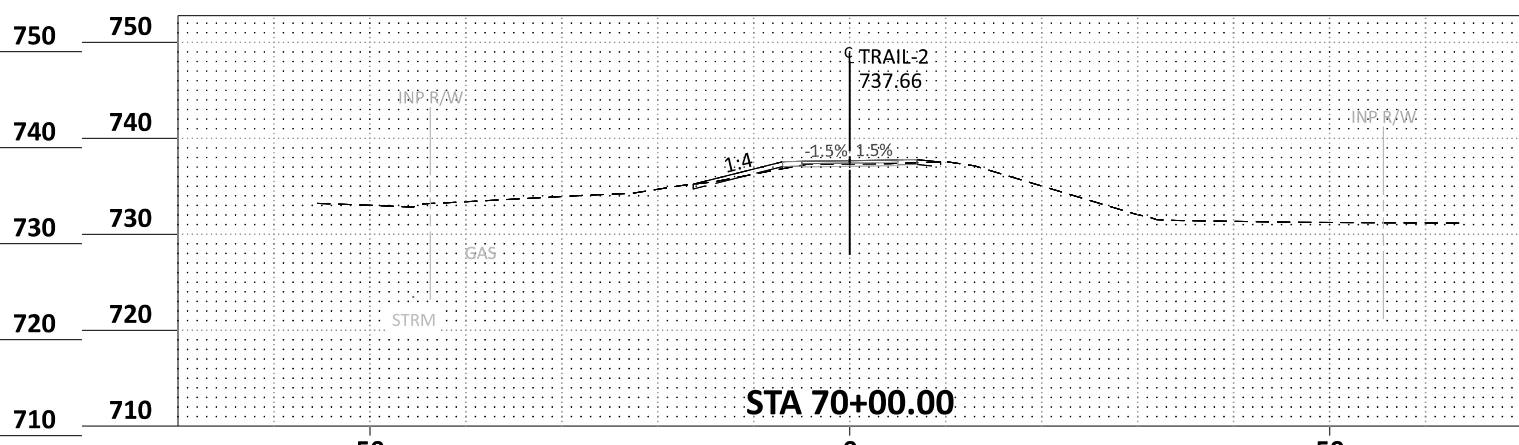
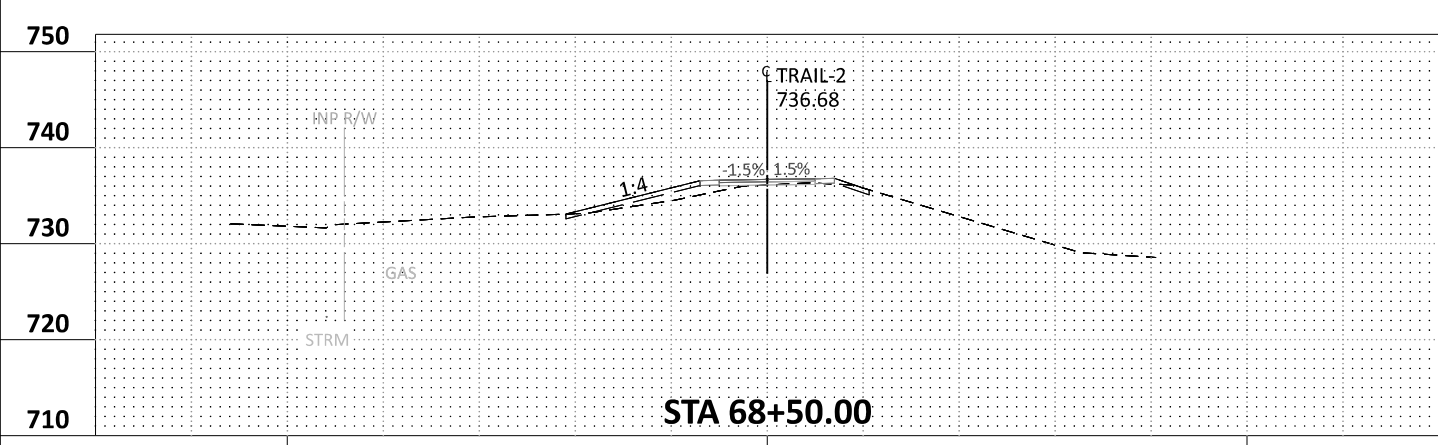
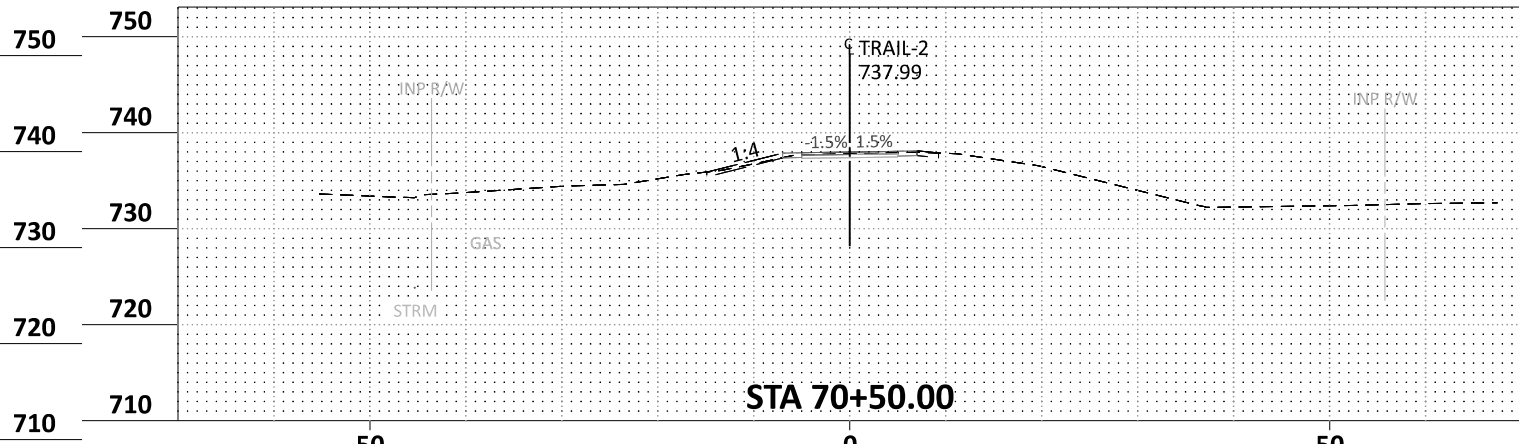
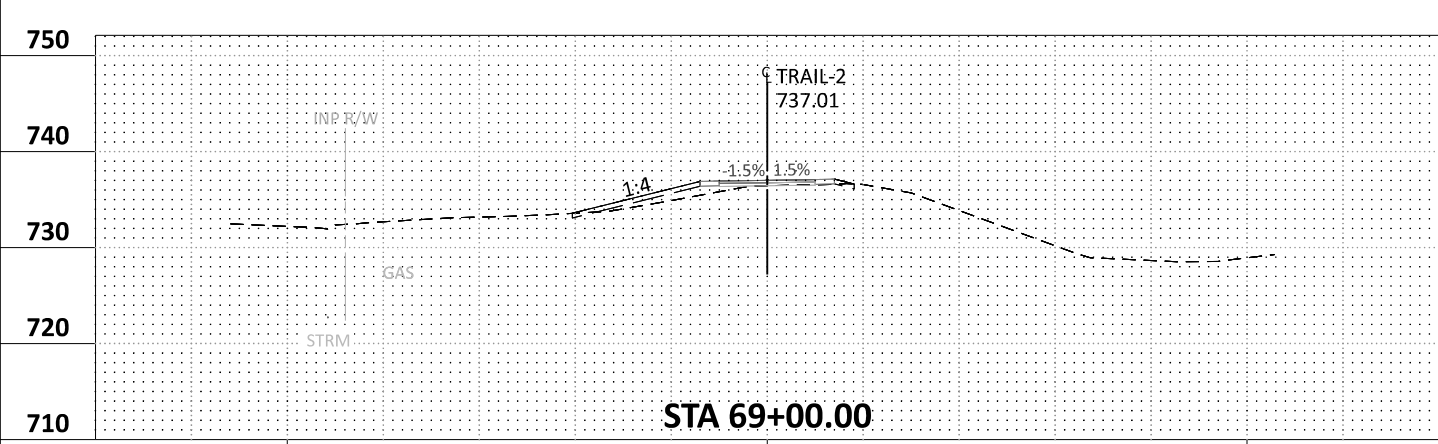
ENGINEER SIGNATURE 1

TIM LAMKIN, JR.
LIC. NO. 47099

XX-XX-

DESIGNED	APW
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www.bolton-menk.com

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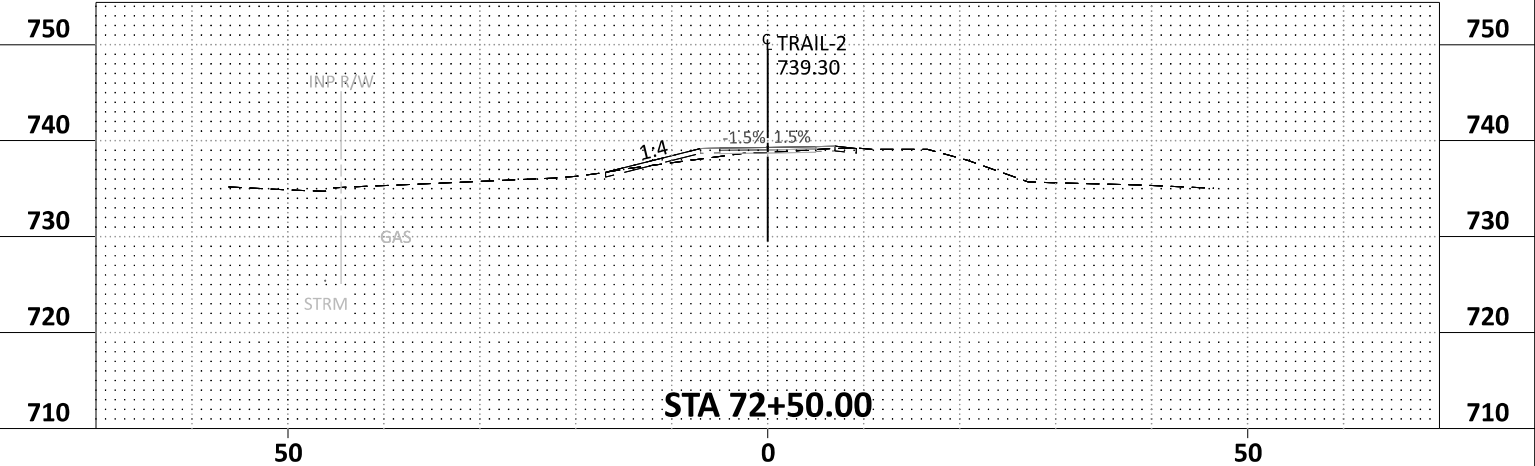
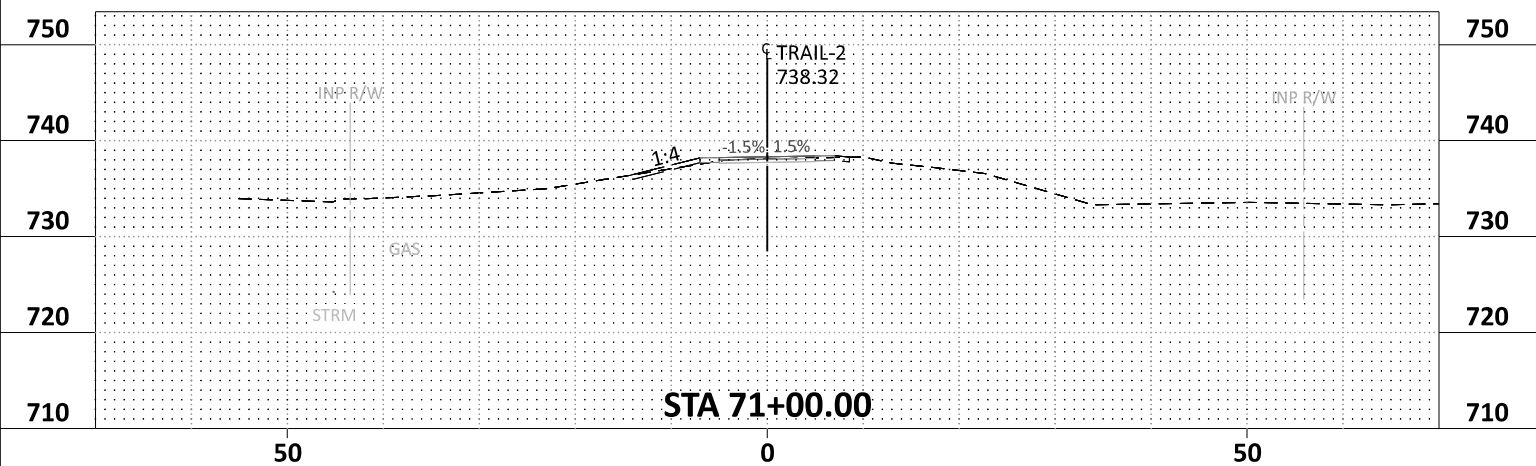
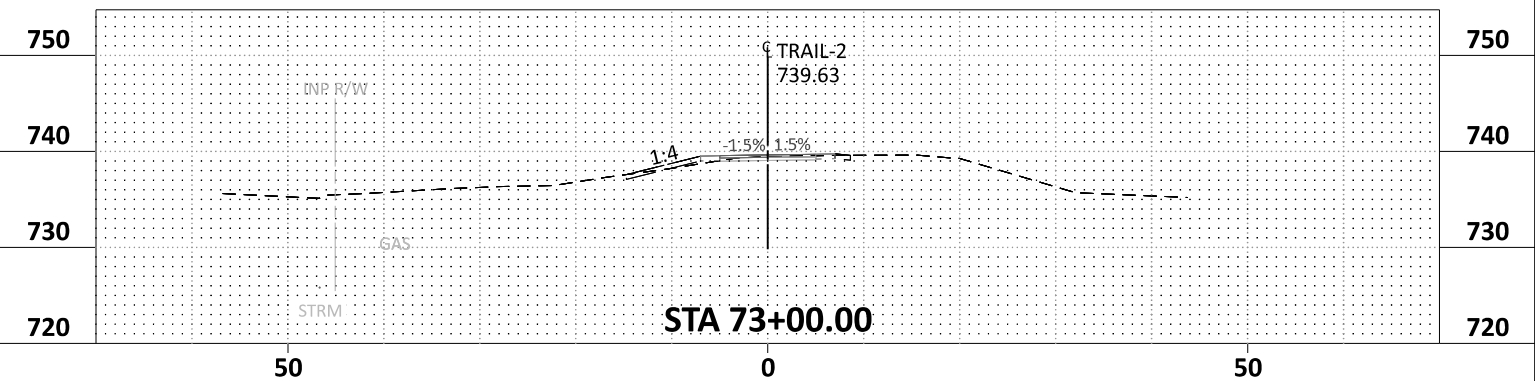
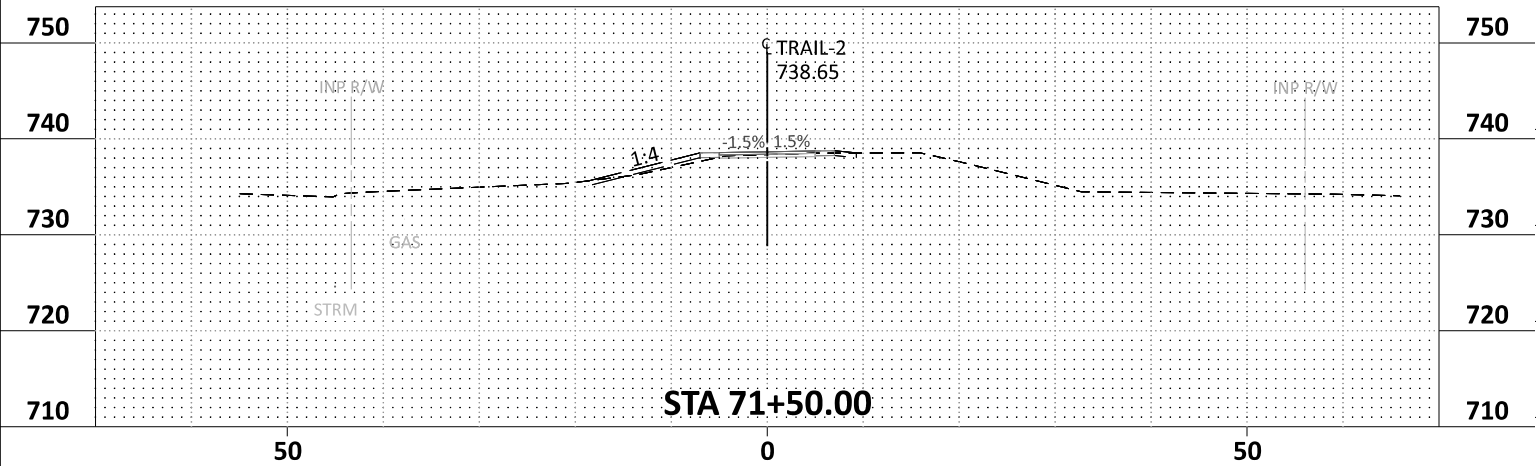
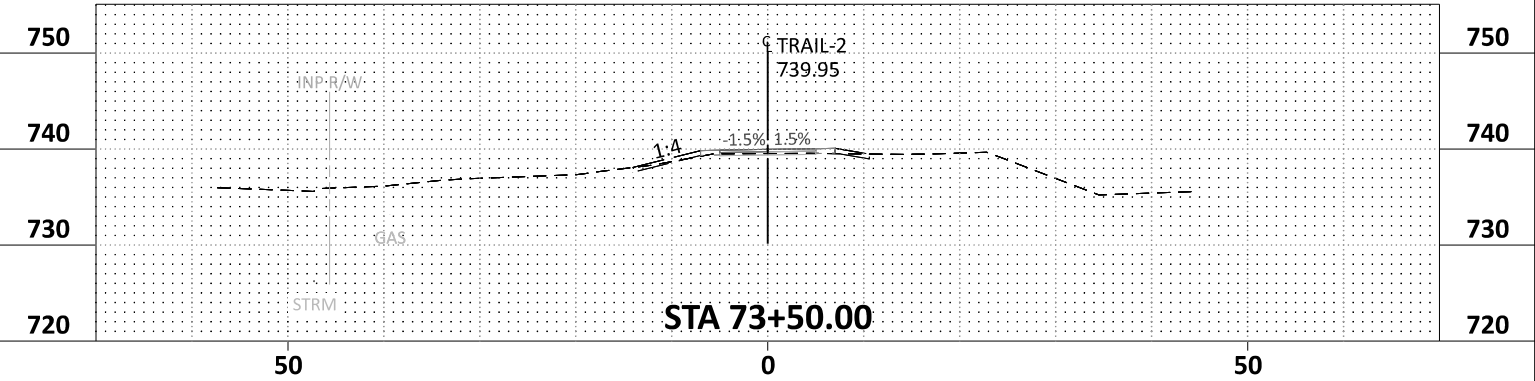
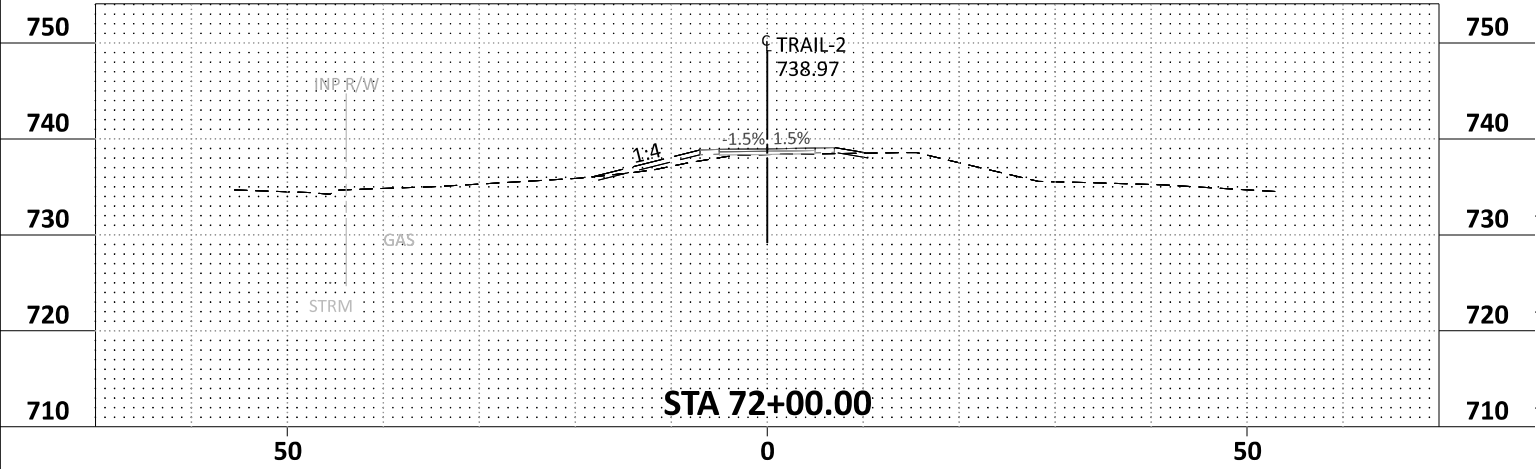
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

DESIGNED APW
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S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

SHEET XS18 OF XS34

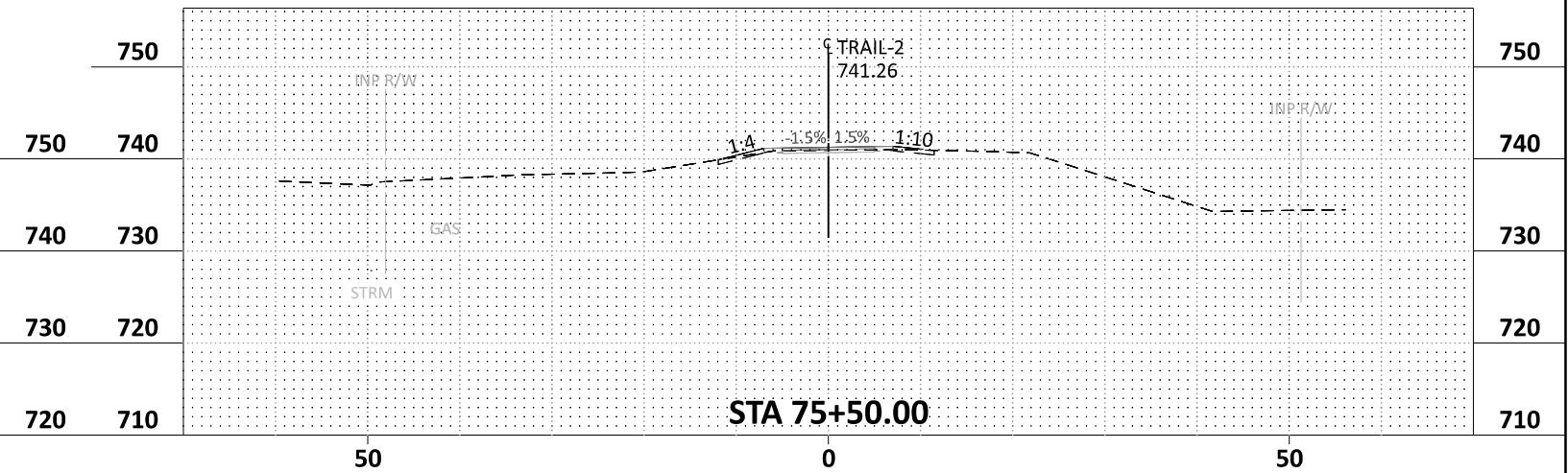
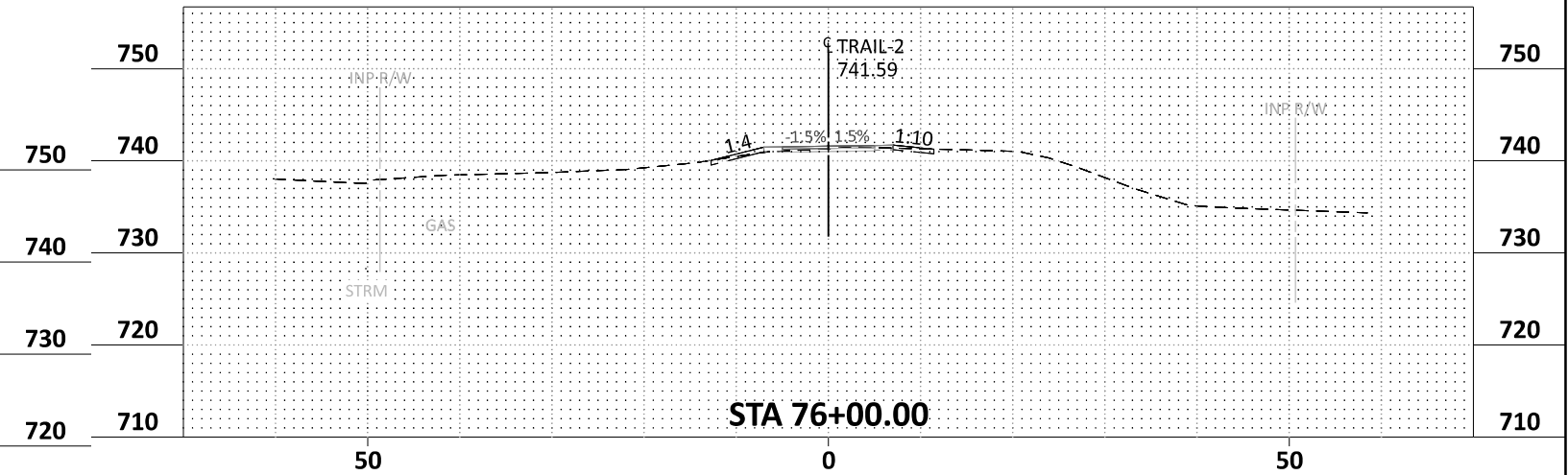
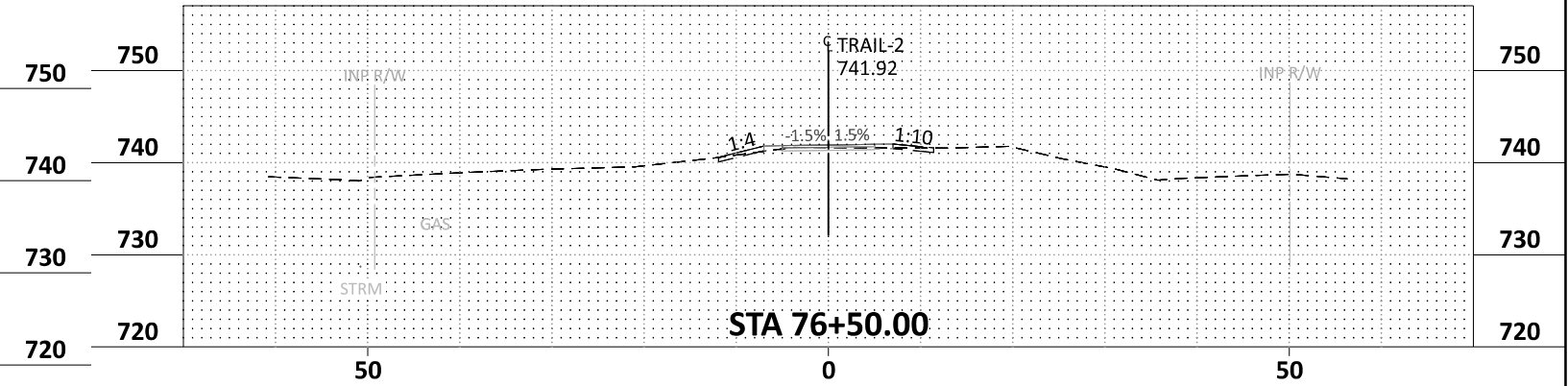
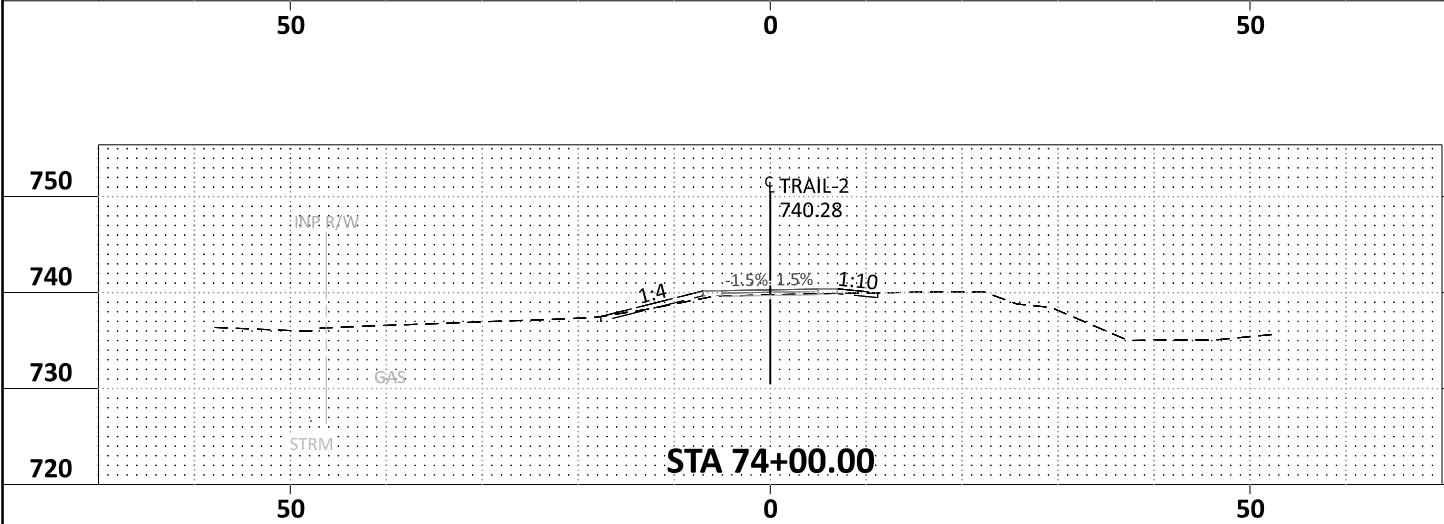
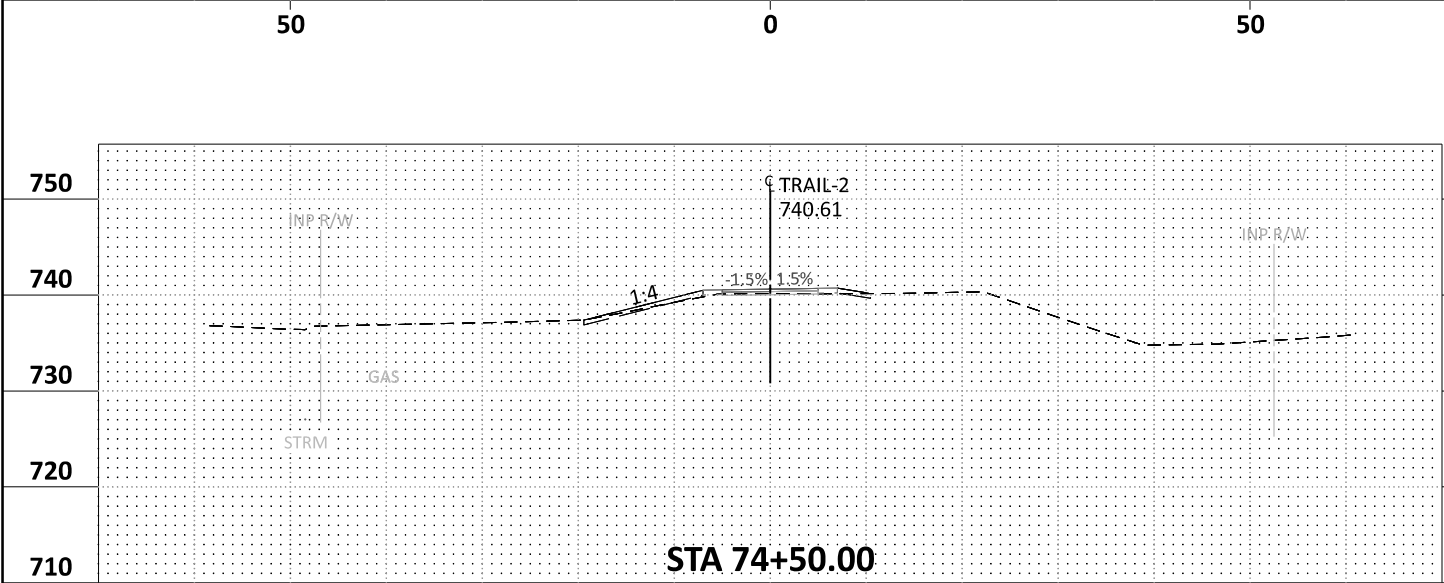
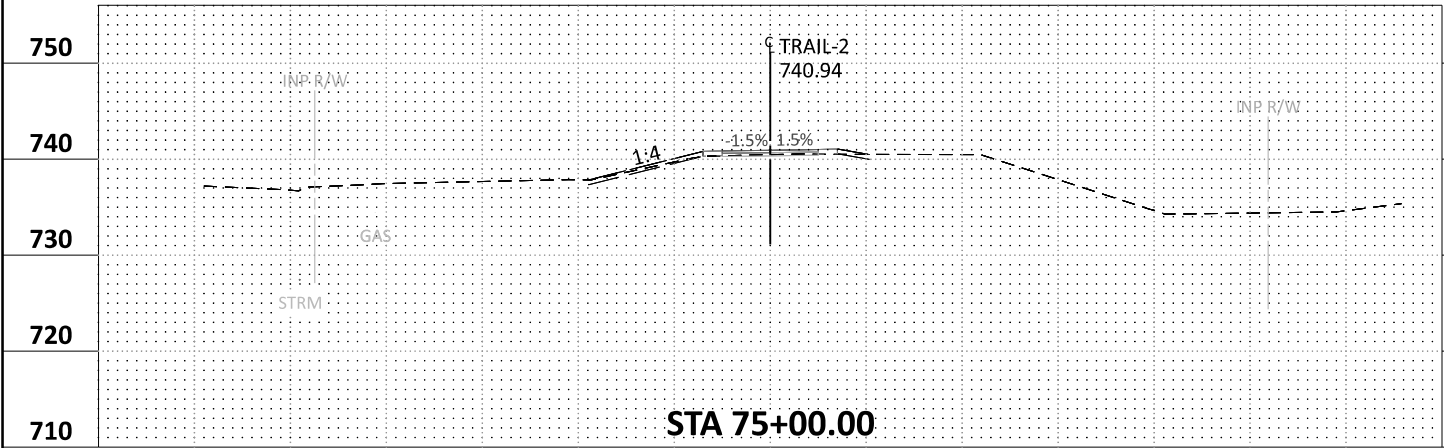
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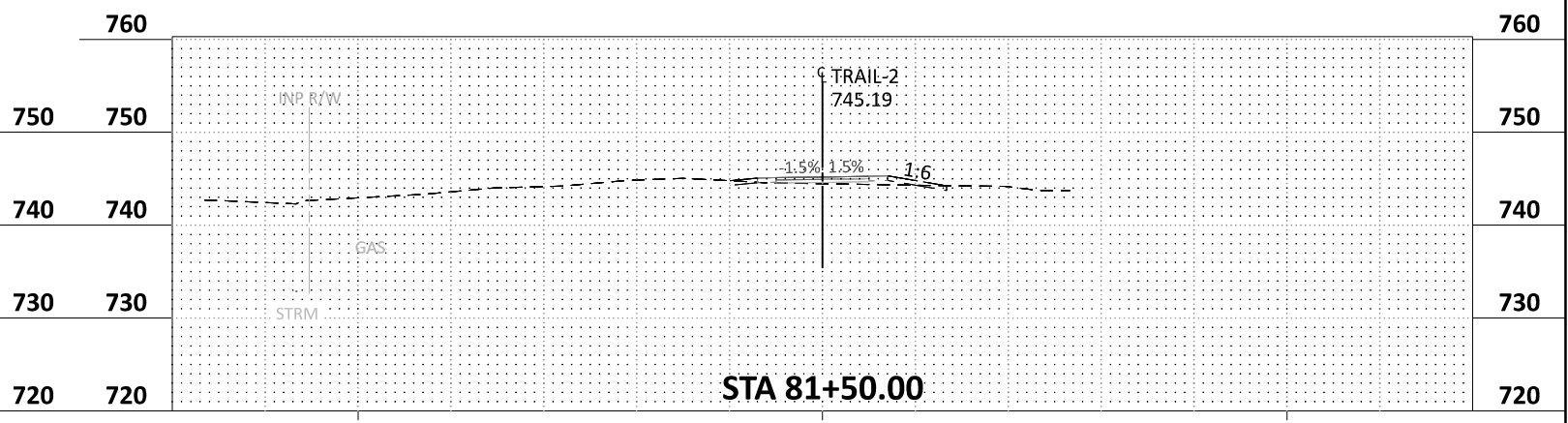
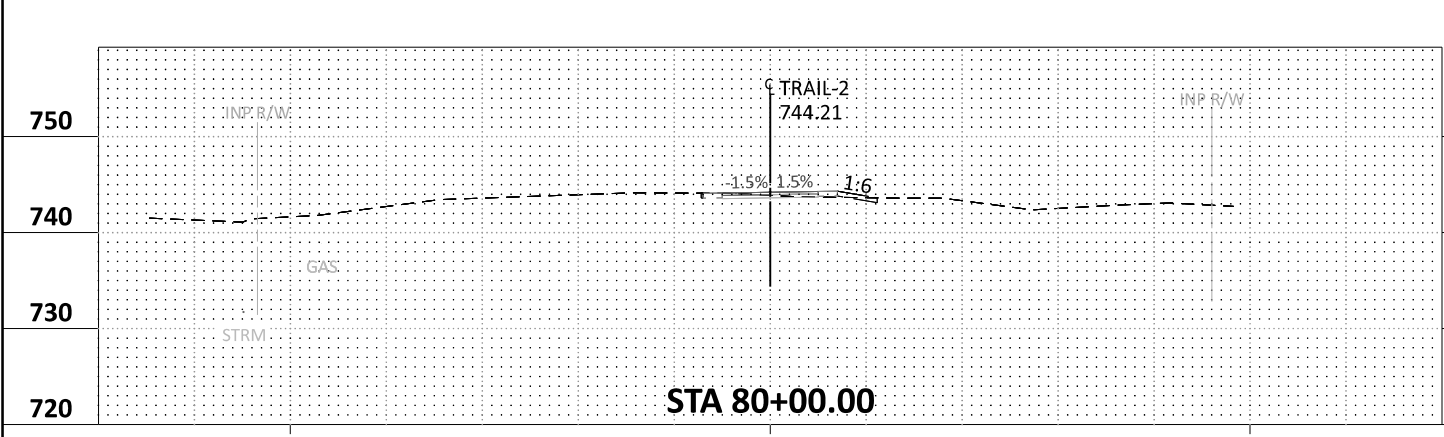
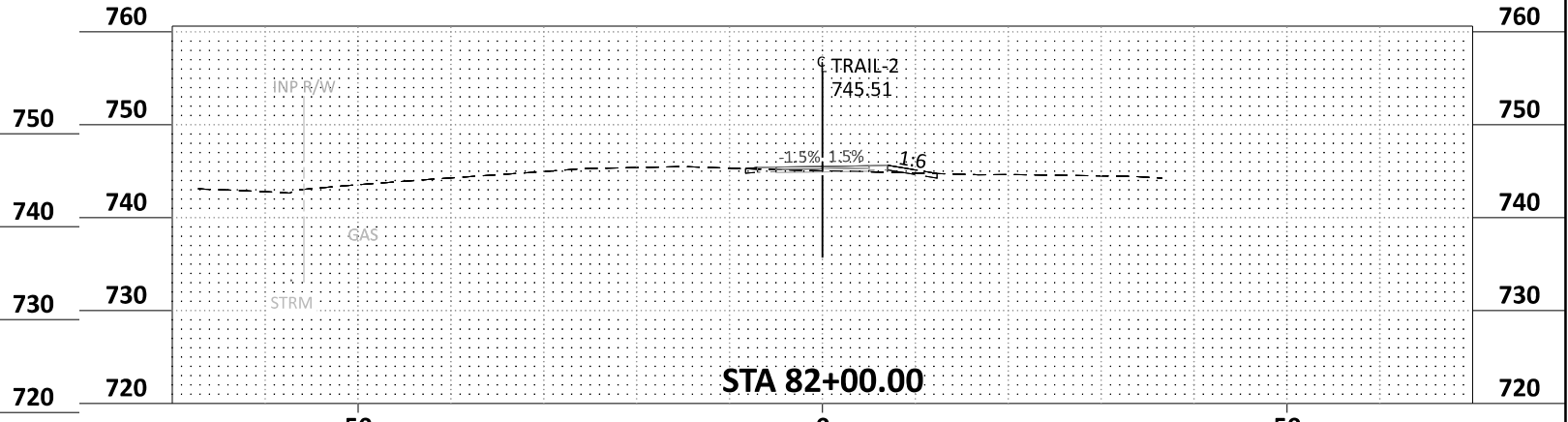
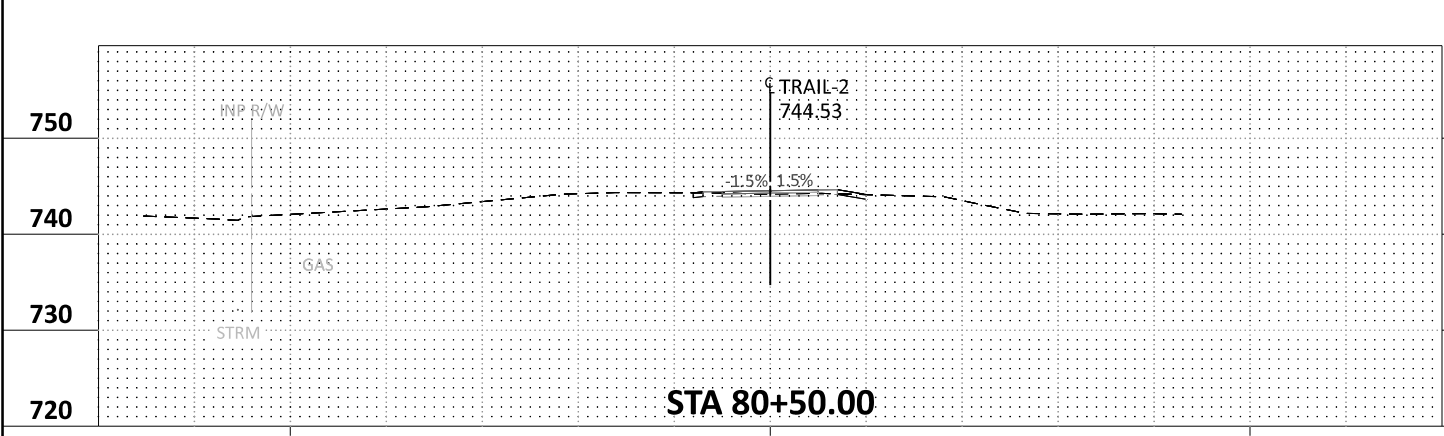
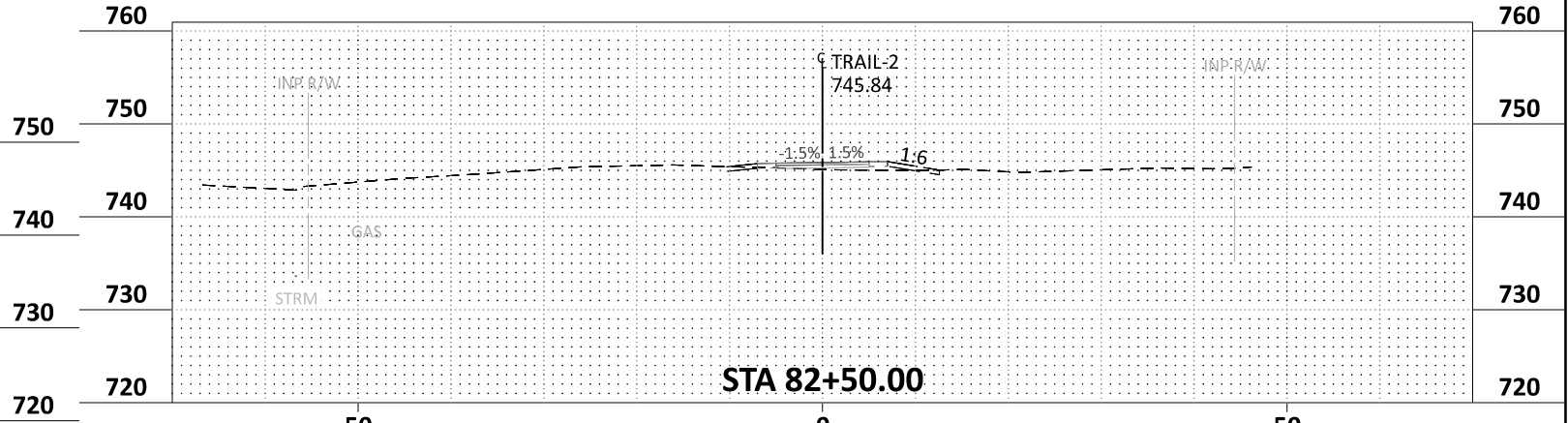
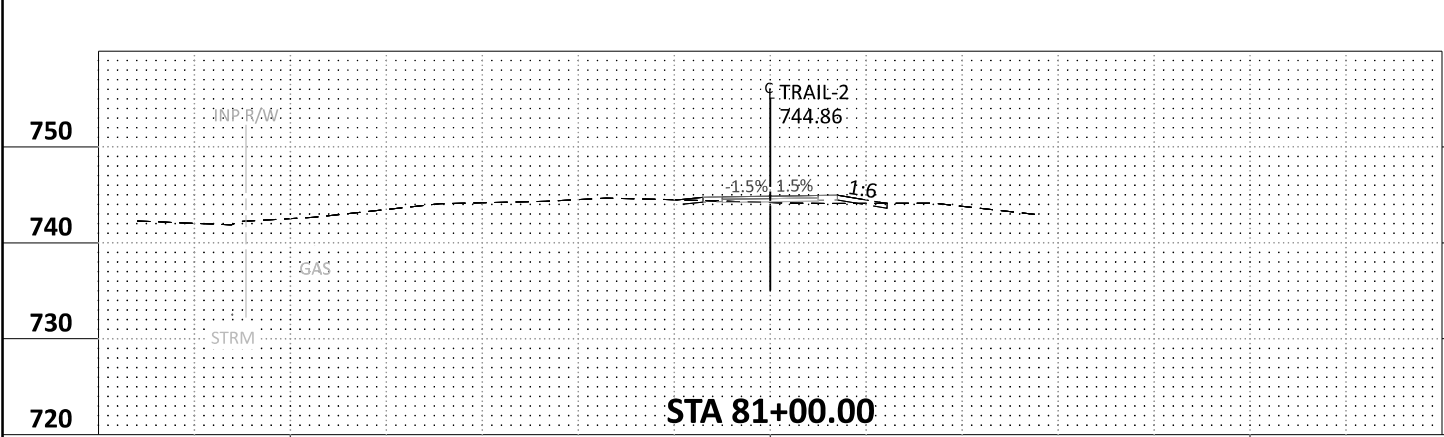
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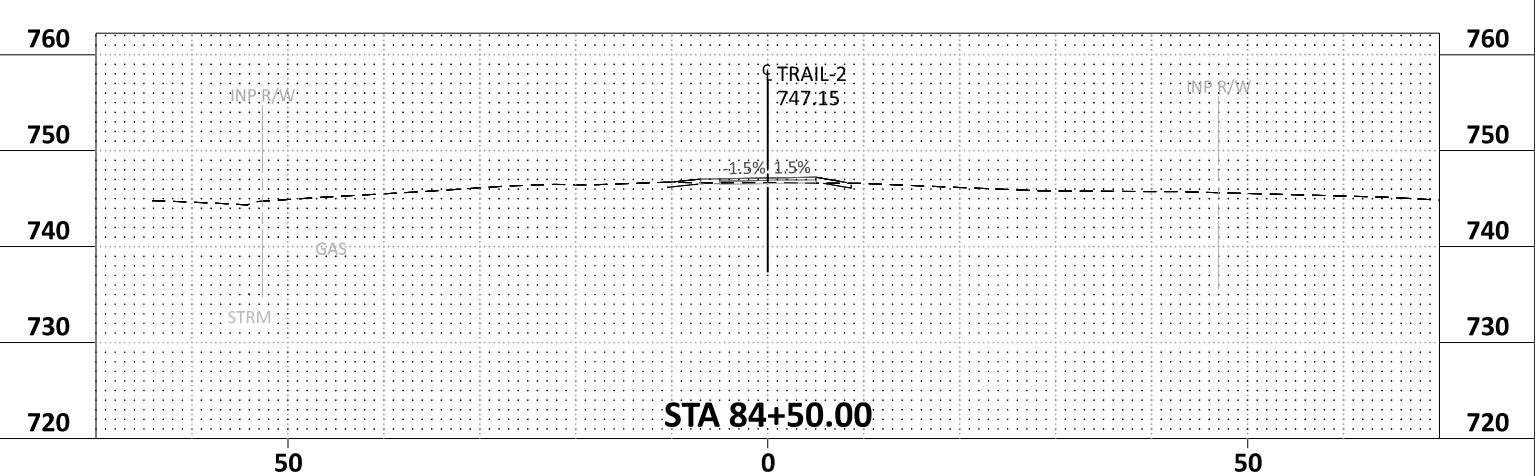
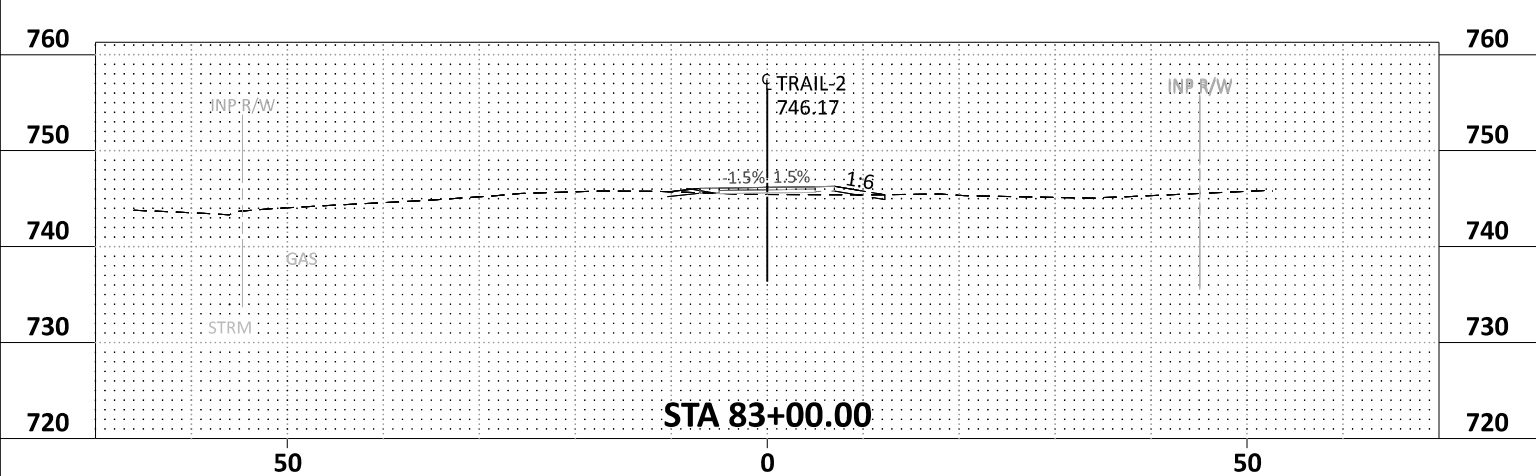
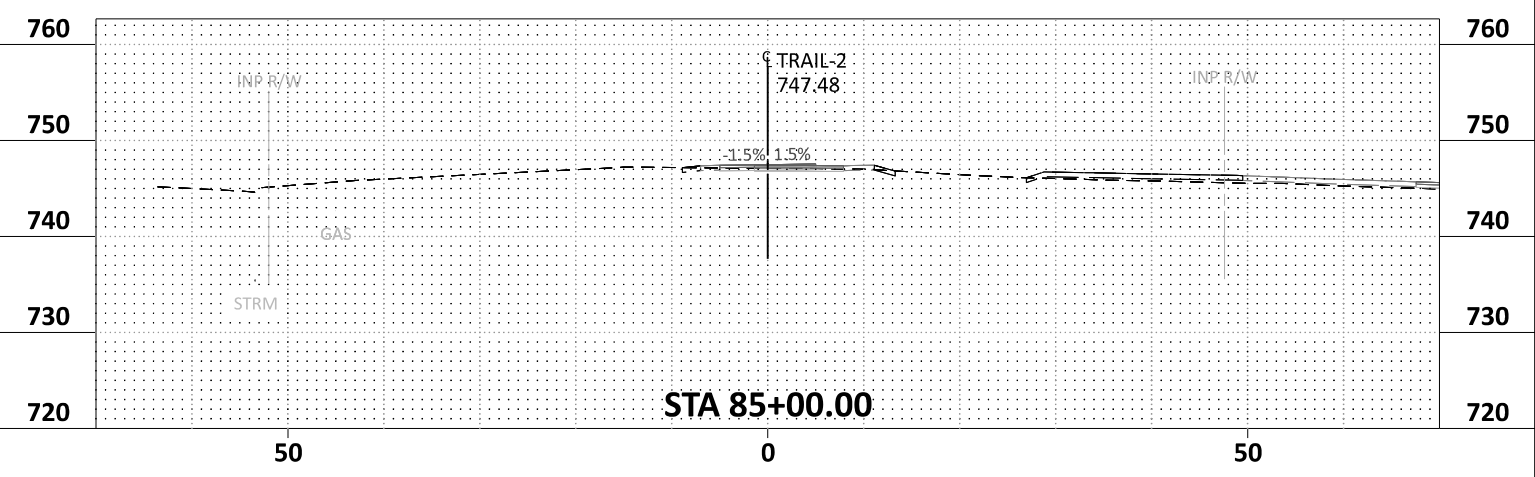
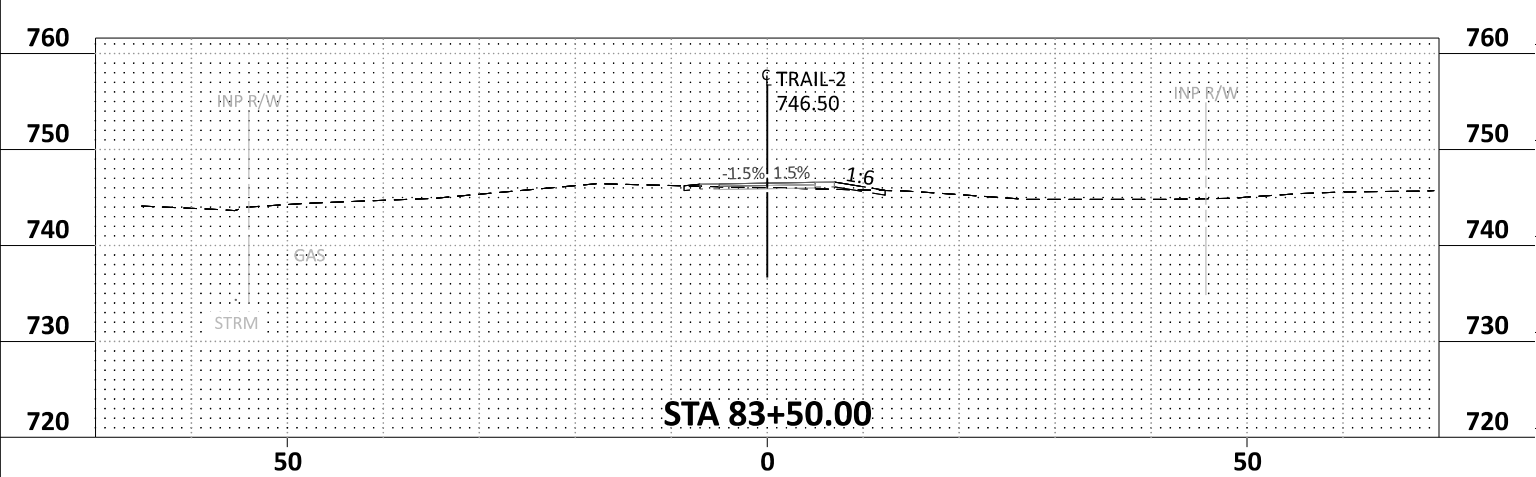
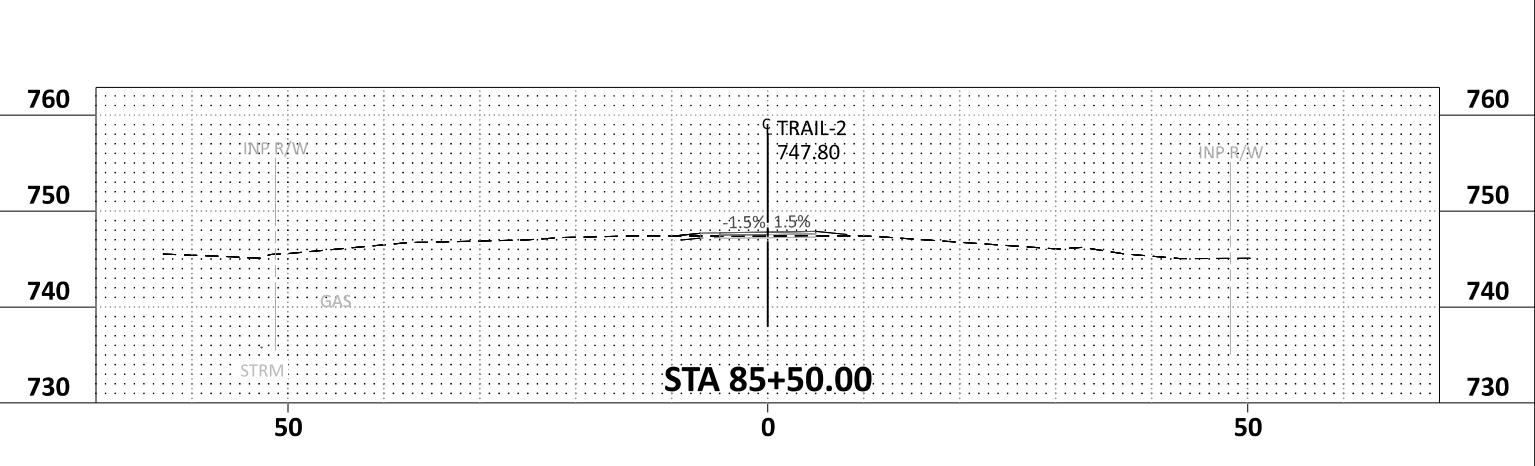
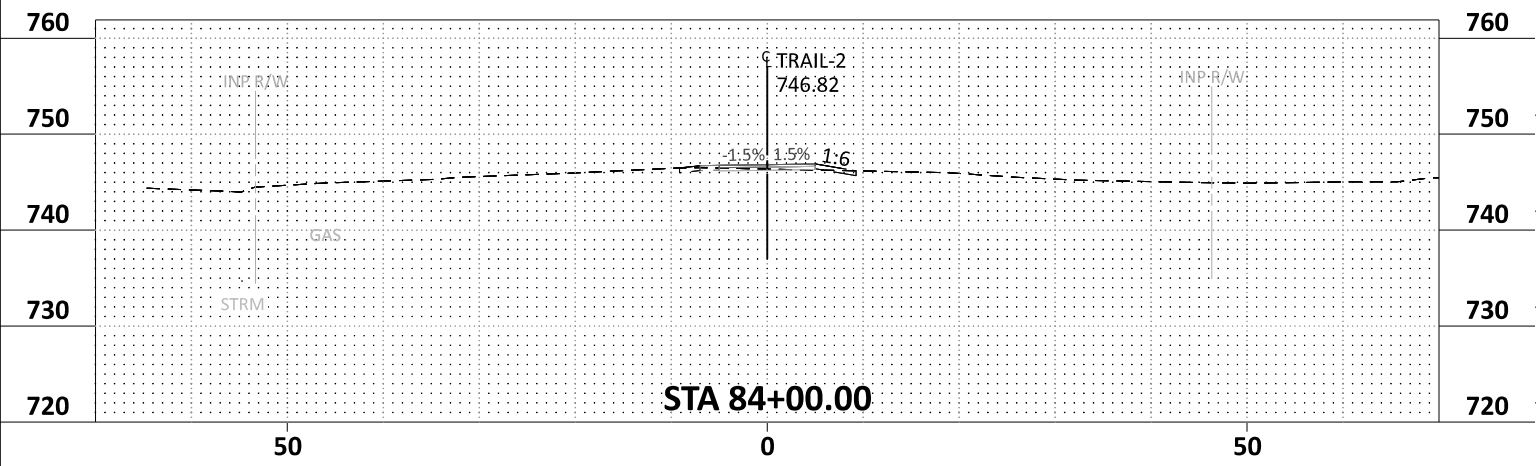
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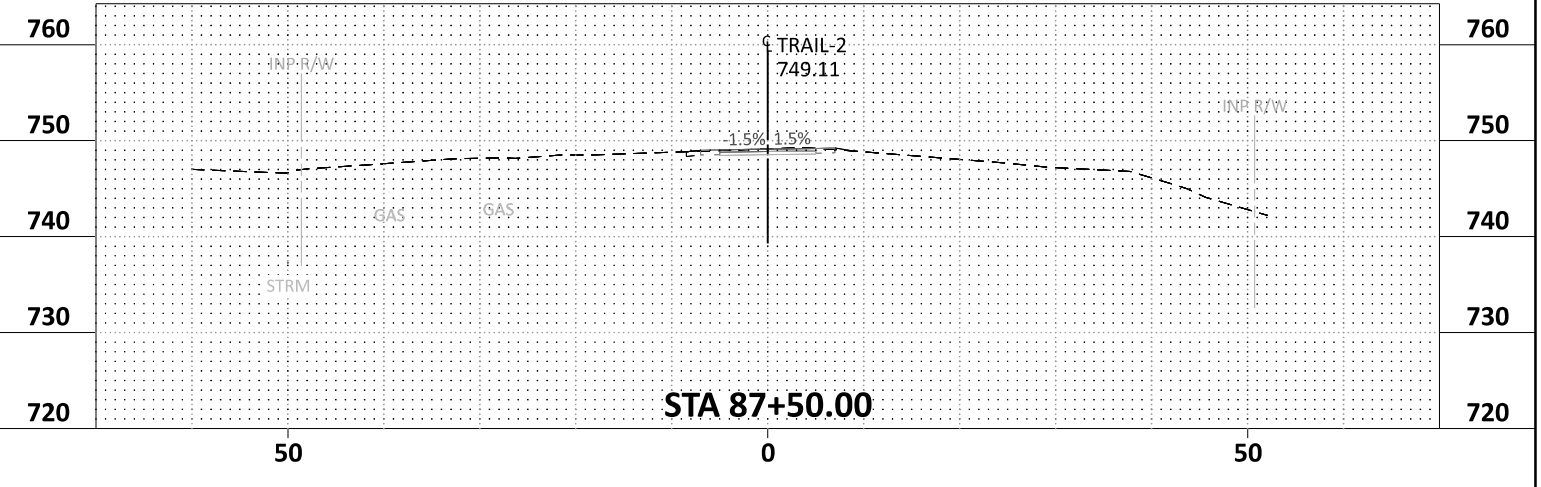
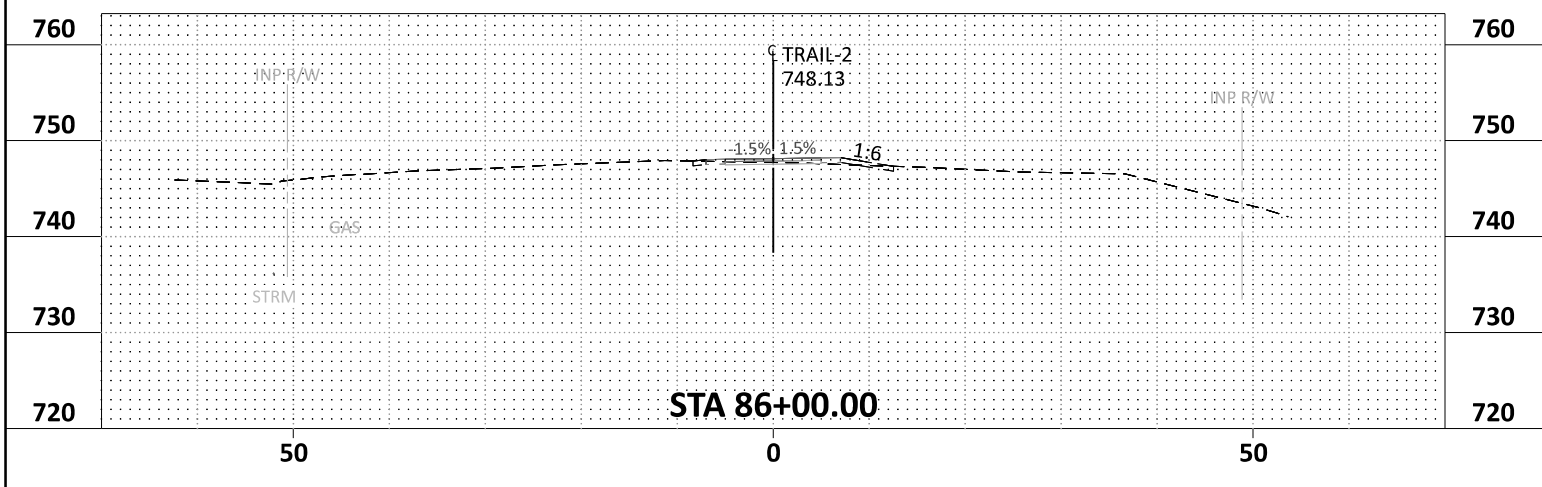
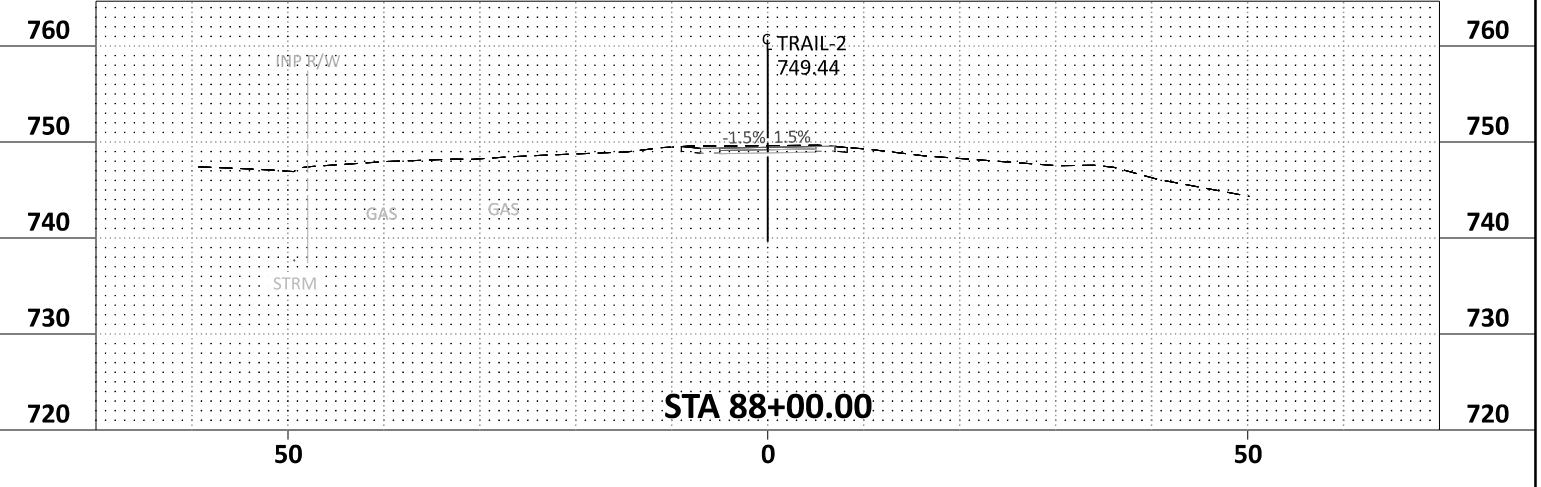
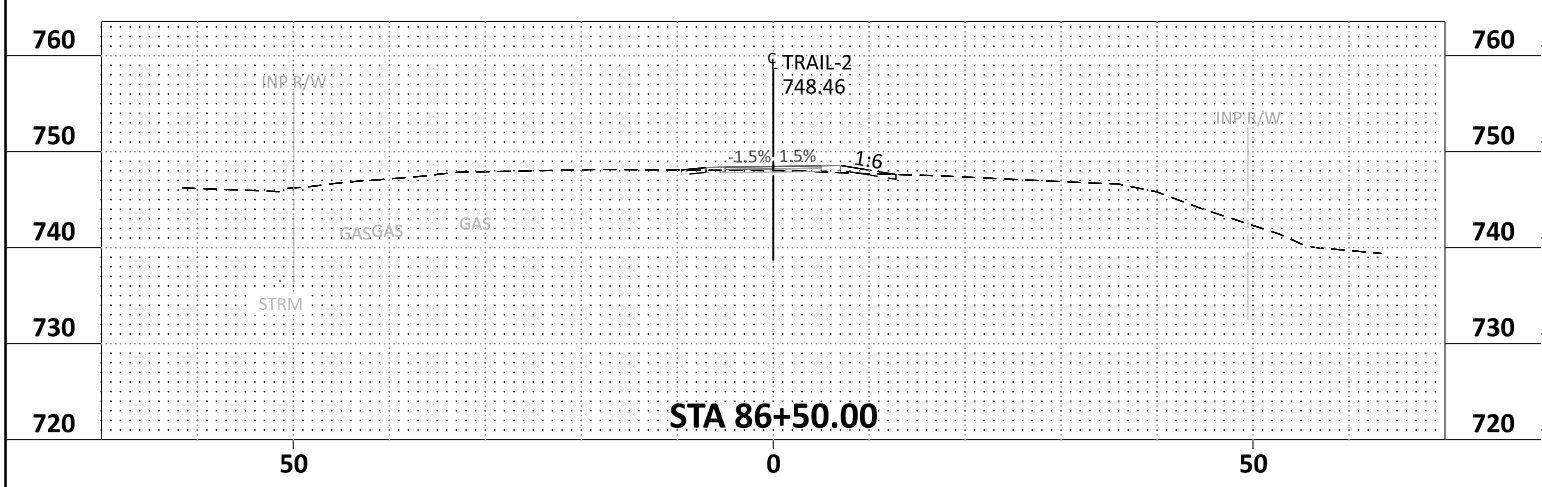
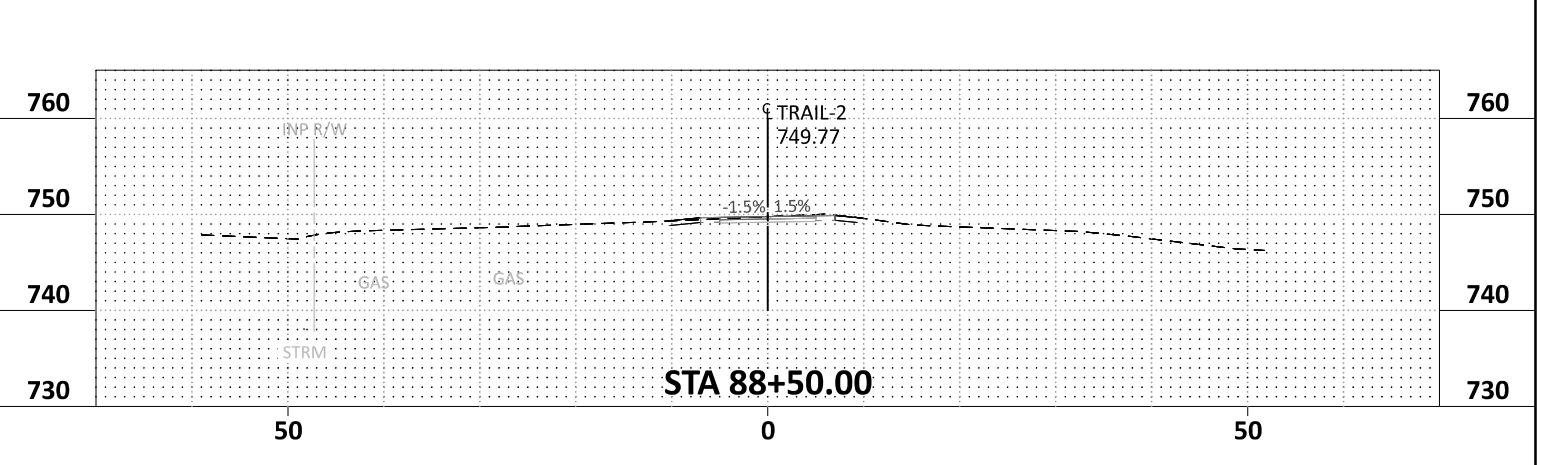
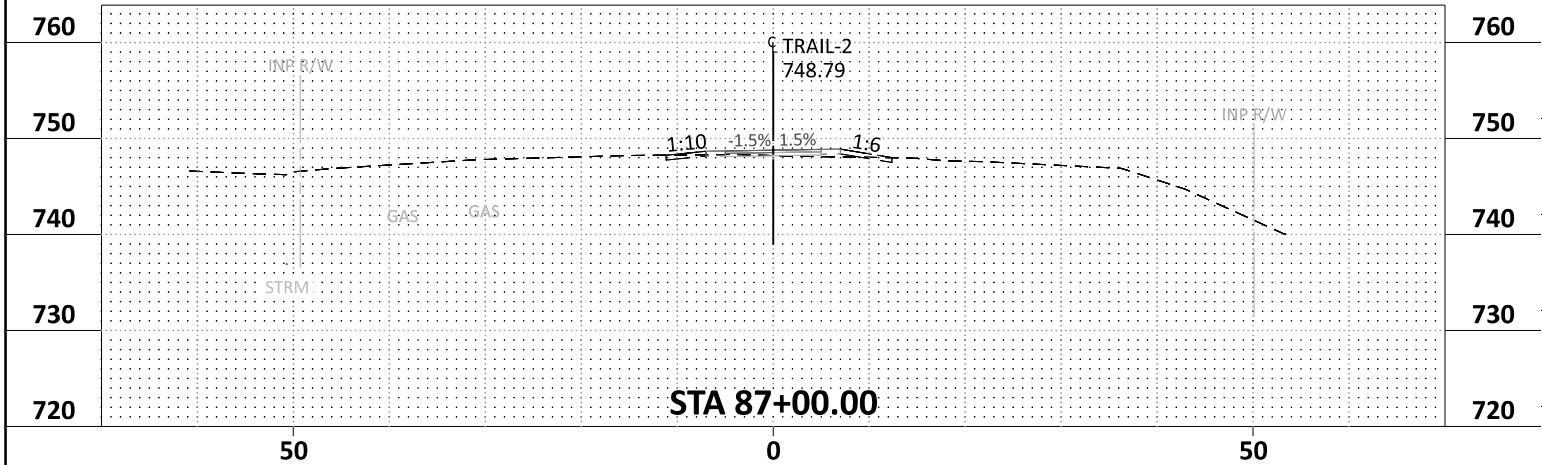
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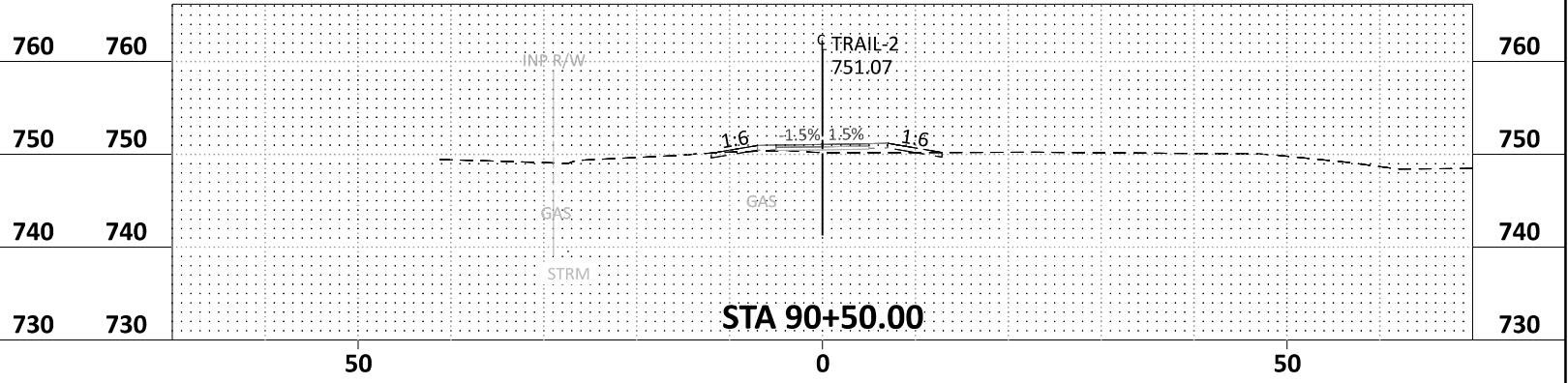
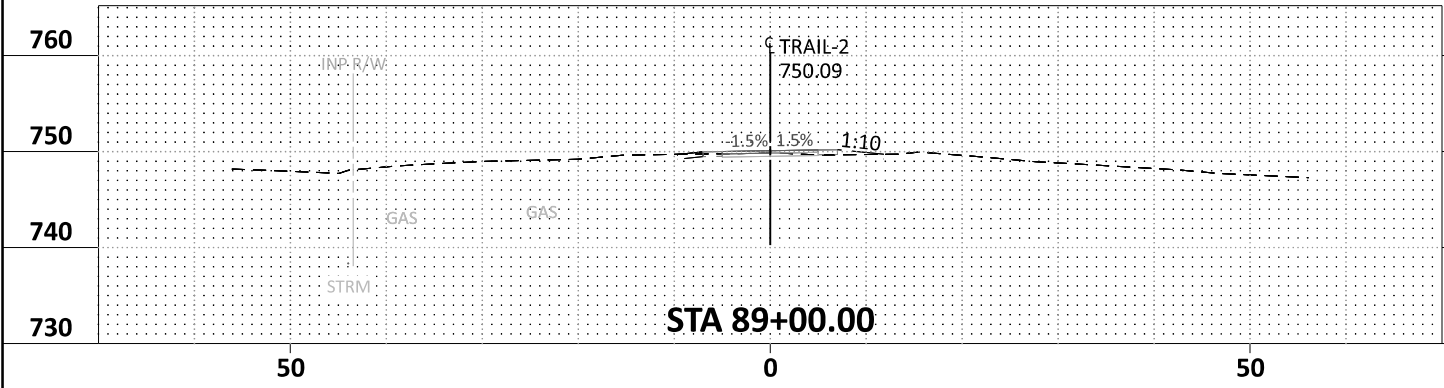
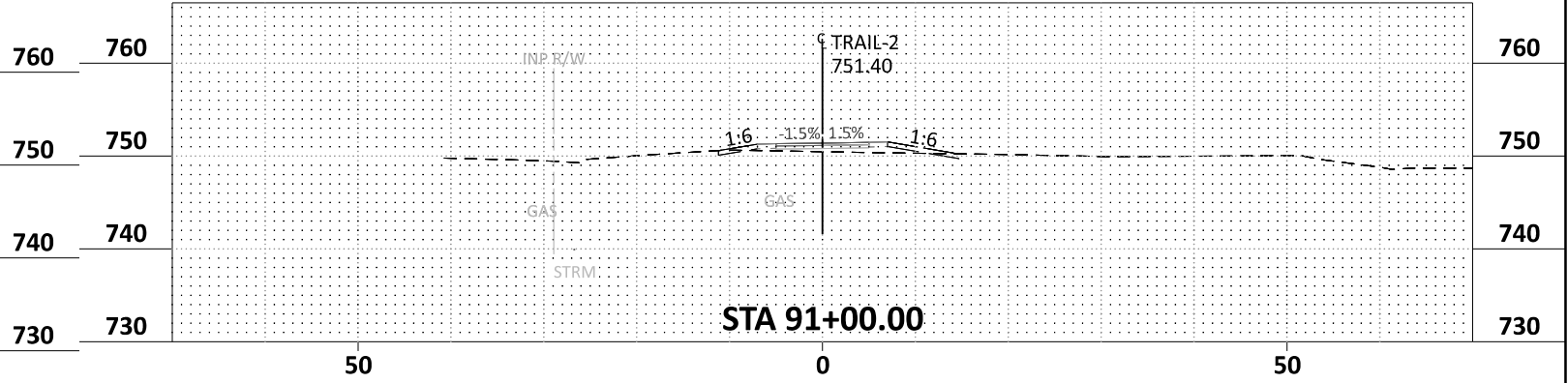
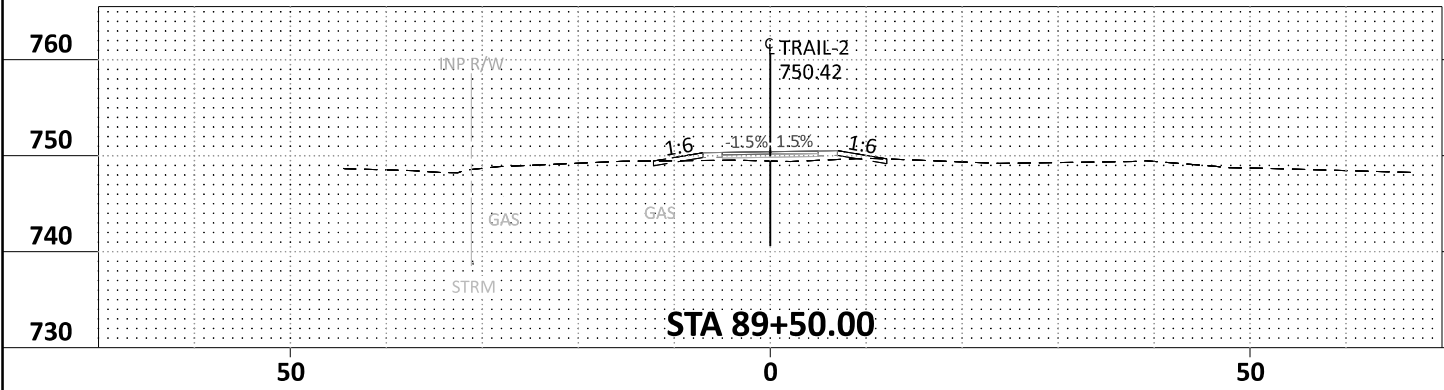
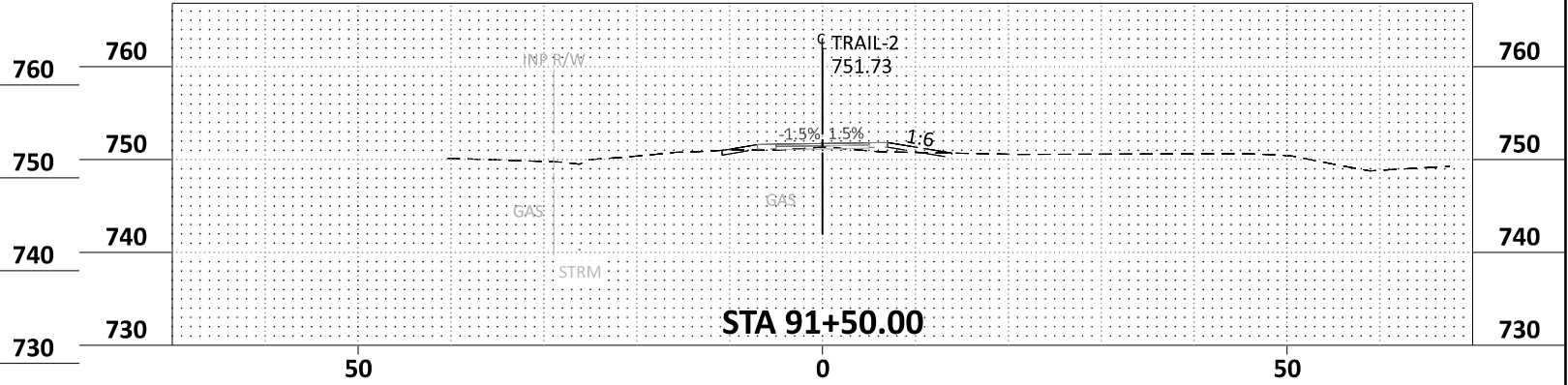
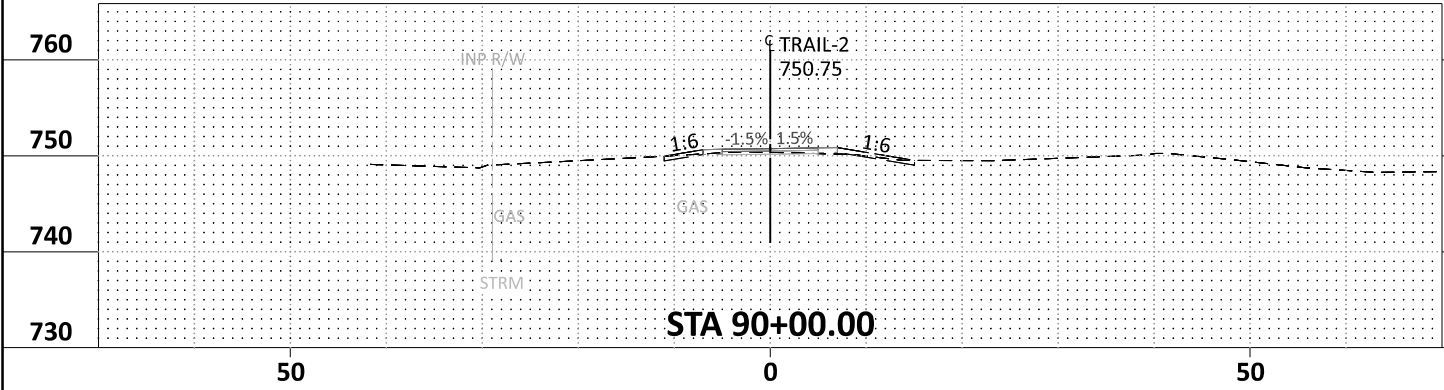
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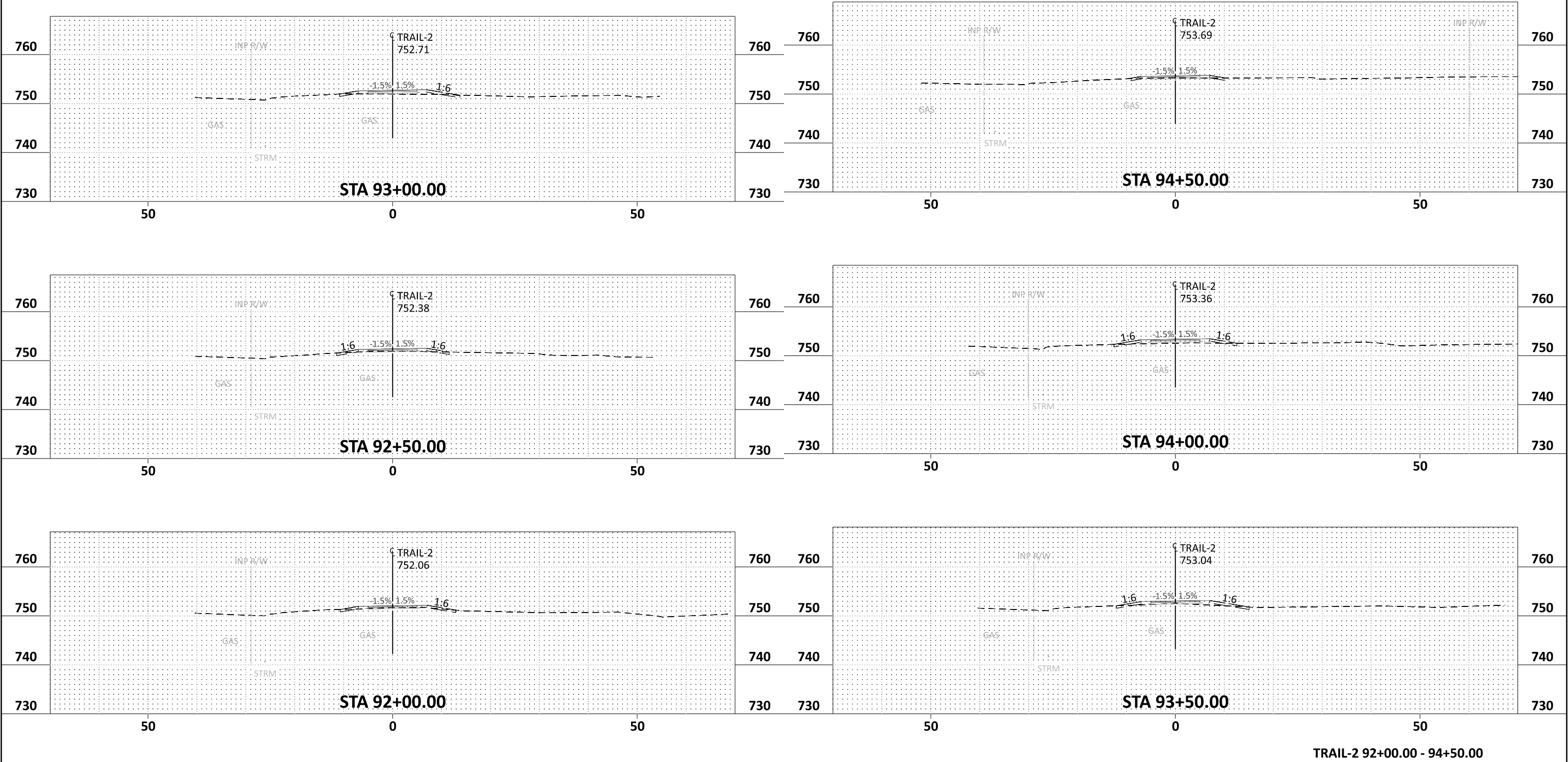
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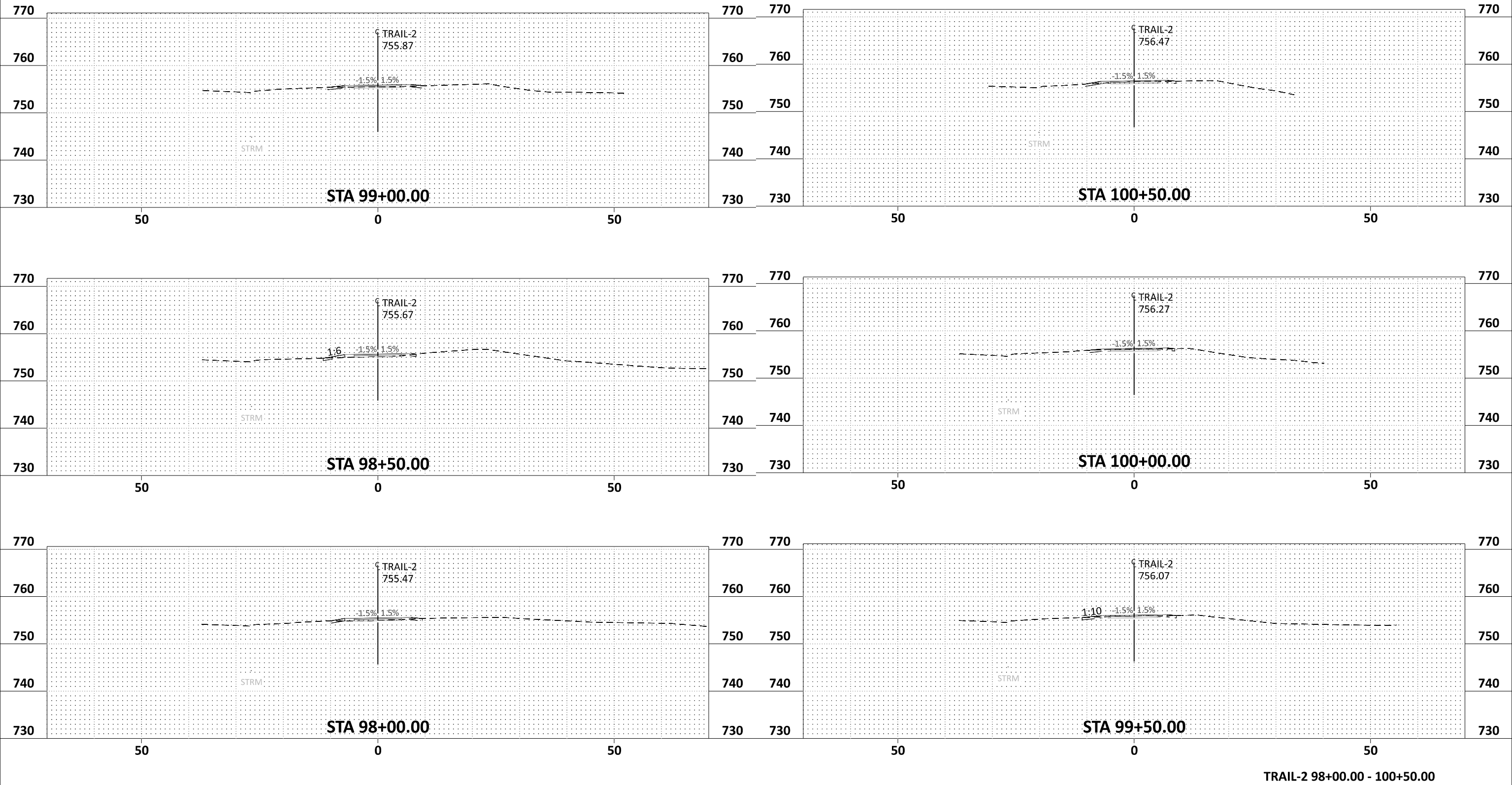
TRAIL-2 89+00.00 - 91+50.00

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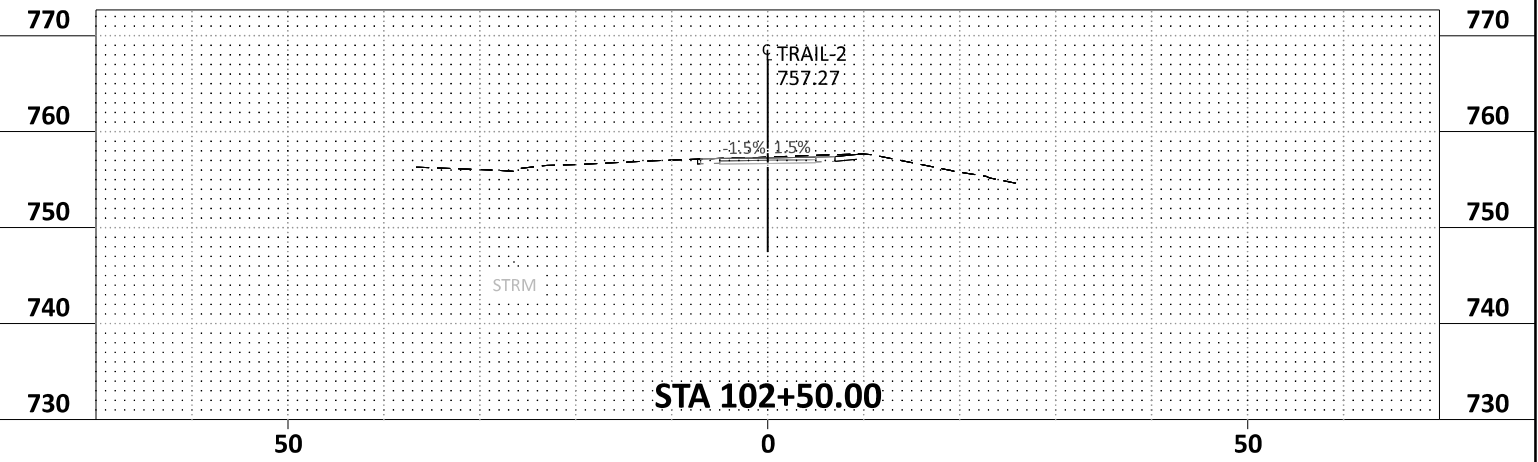
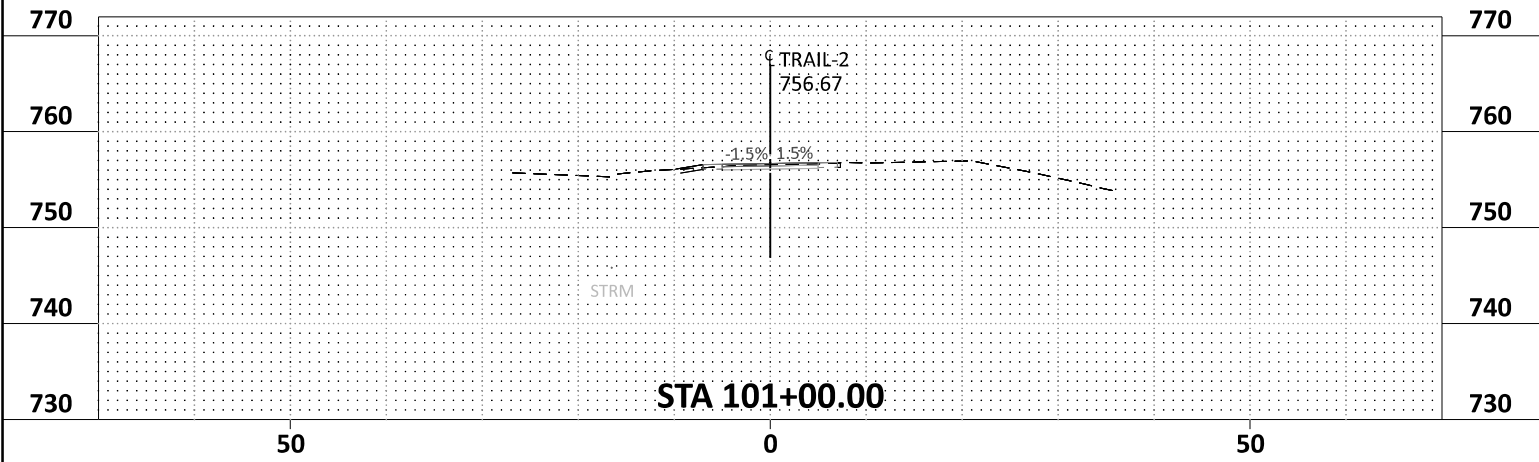
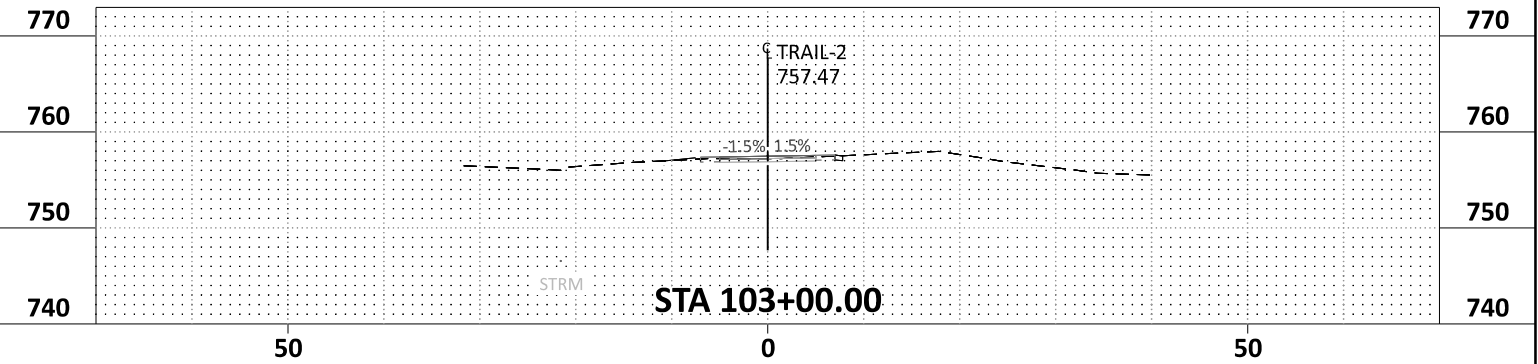
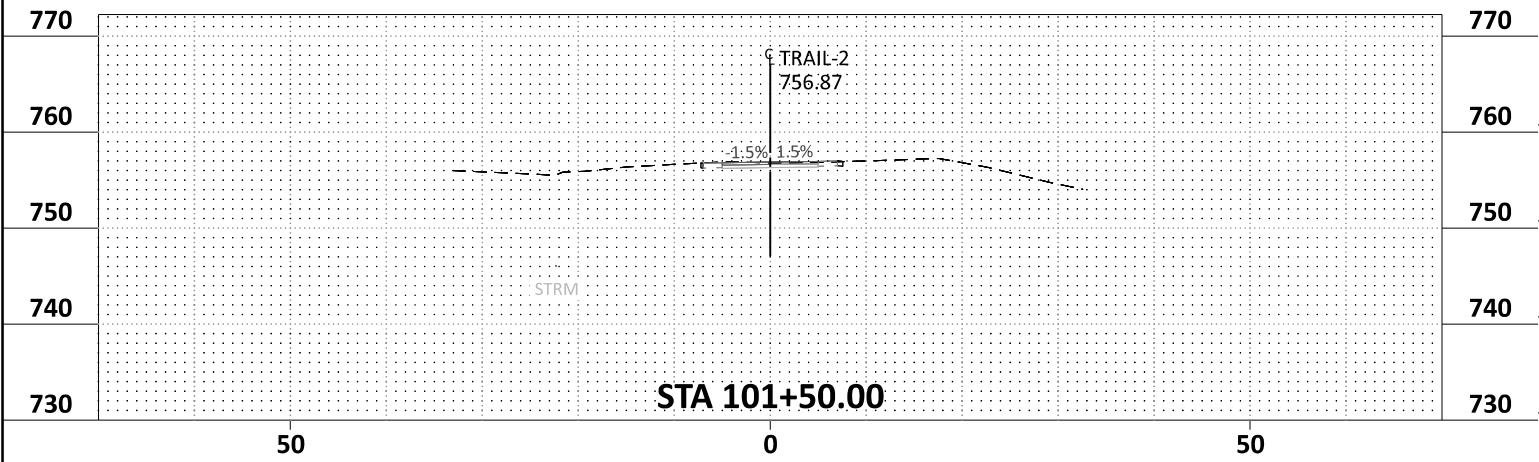
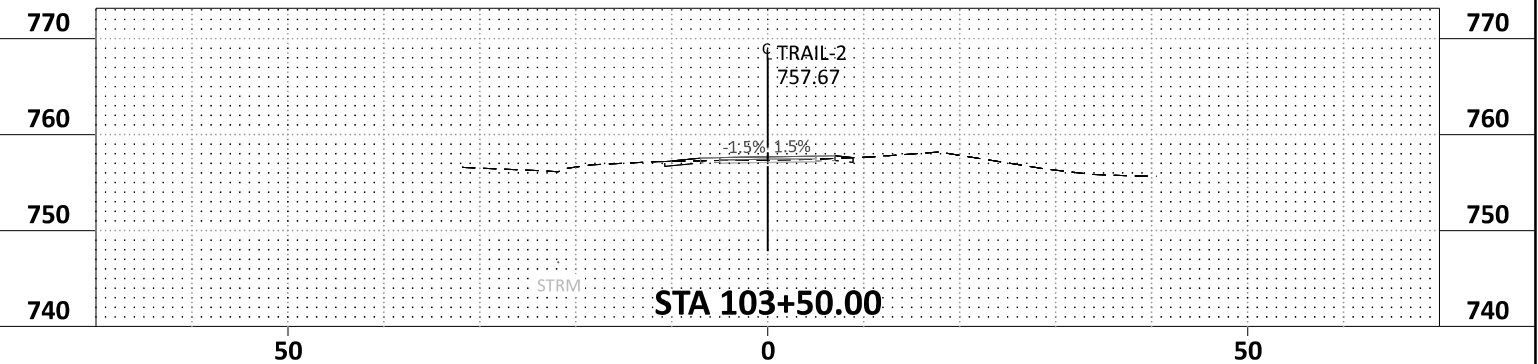
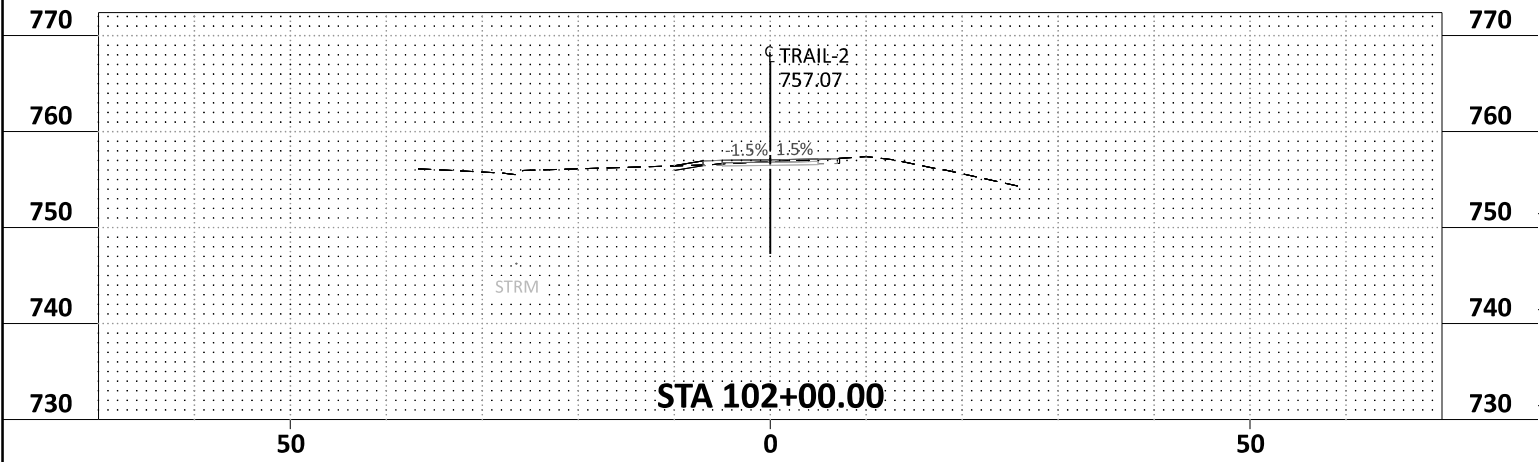


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ENGINEER SIGNATURE 1

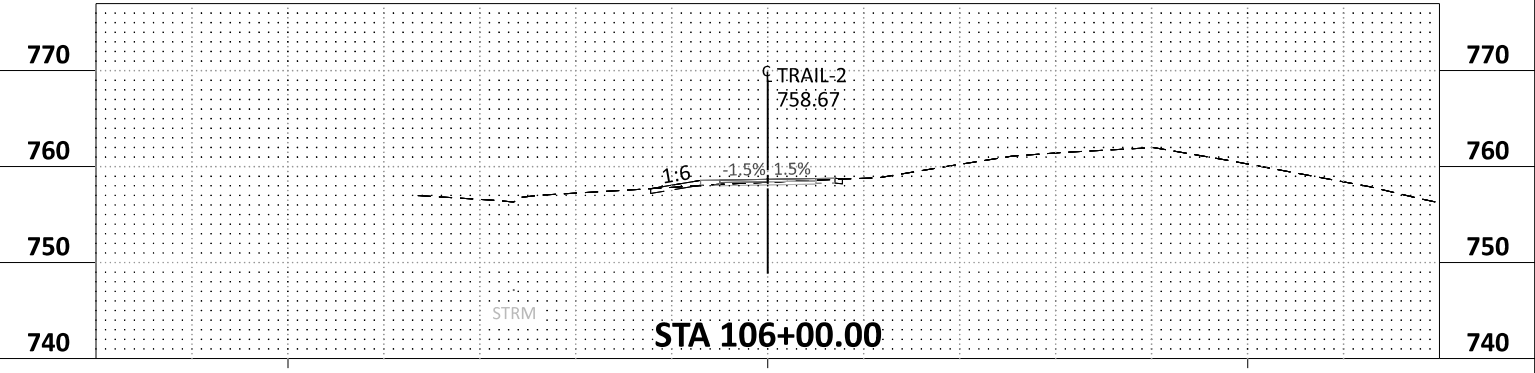
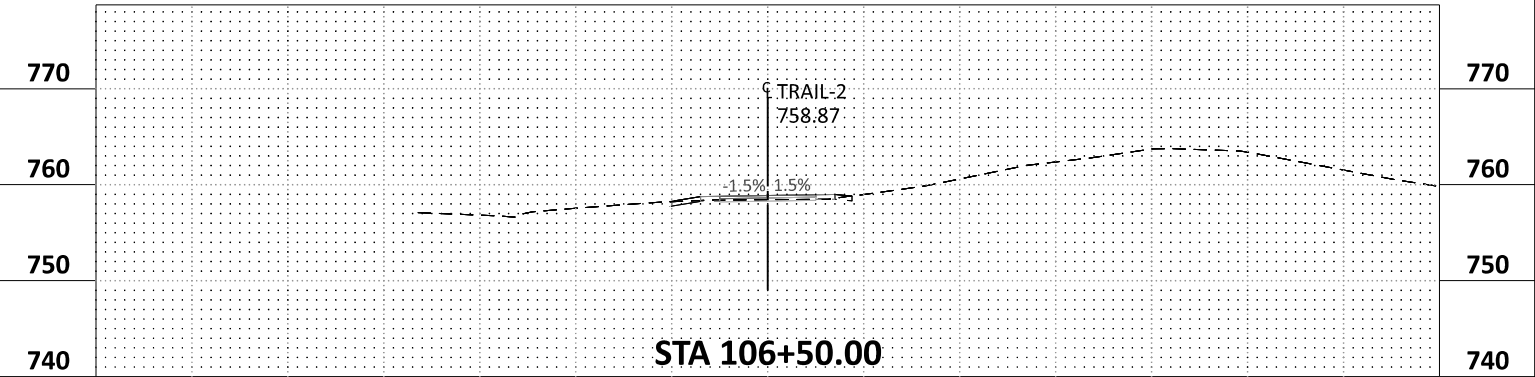
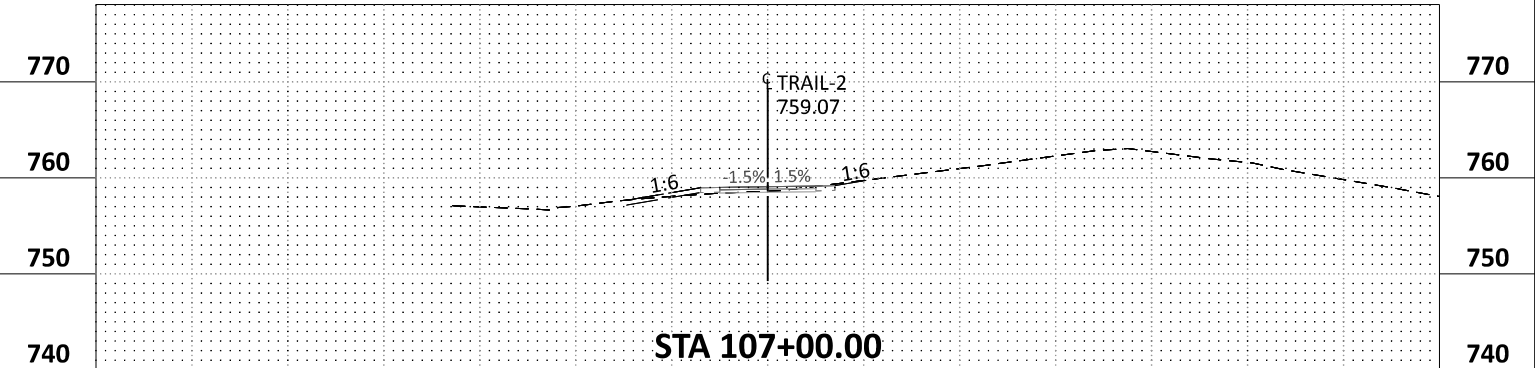
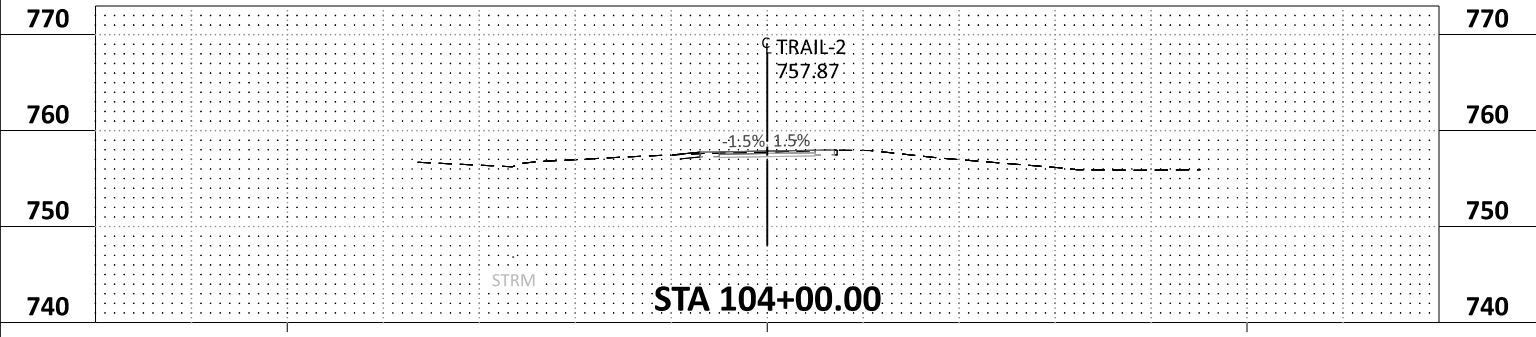
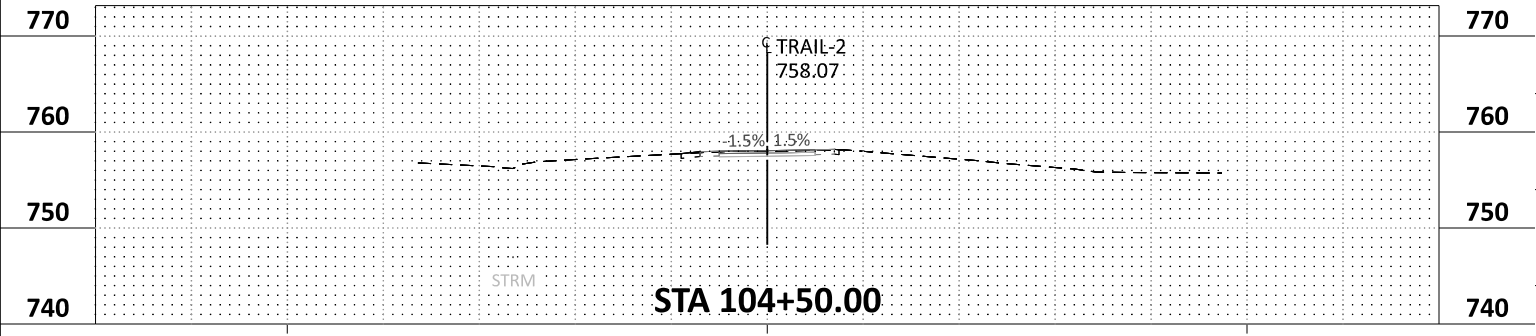
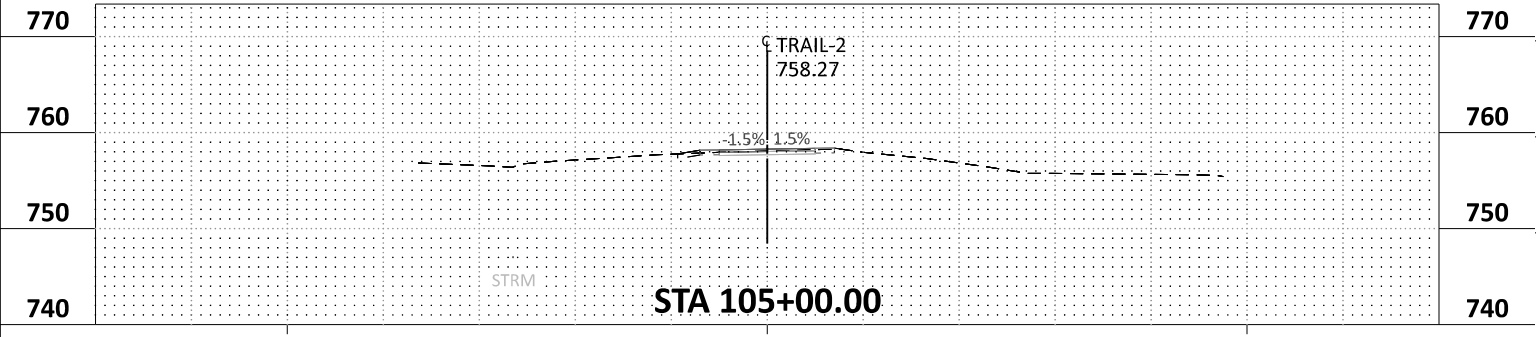
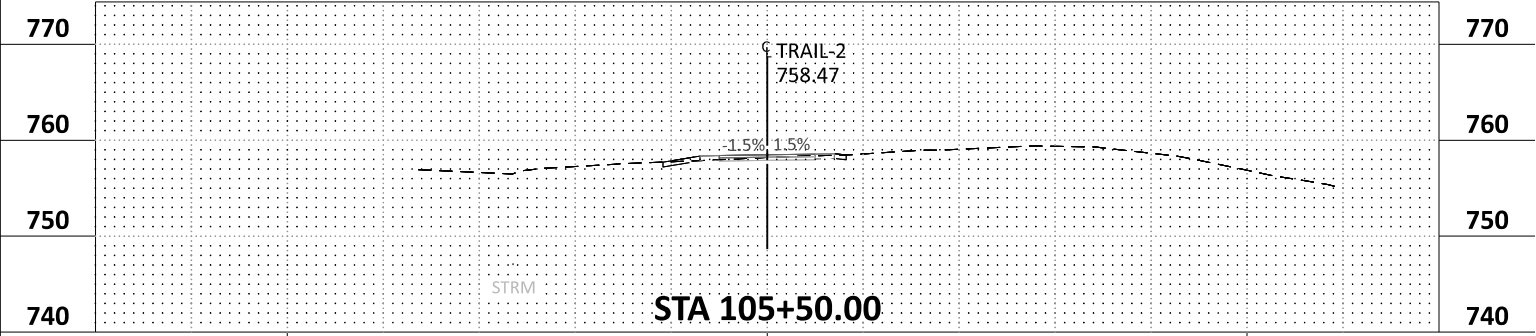
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

DESIGNED APW
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S.P. 196-090-002
MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

SHEET XS29 OF XS34

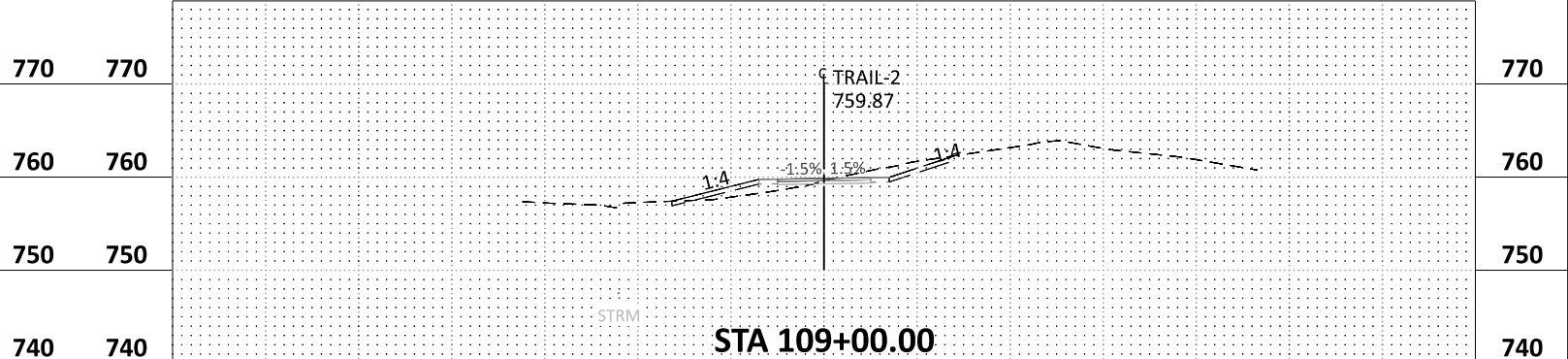
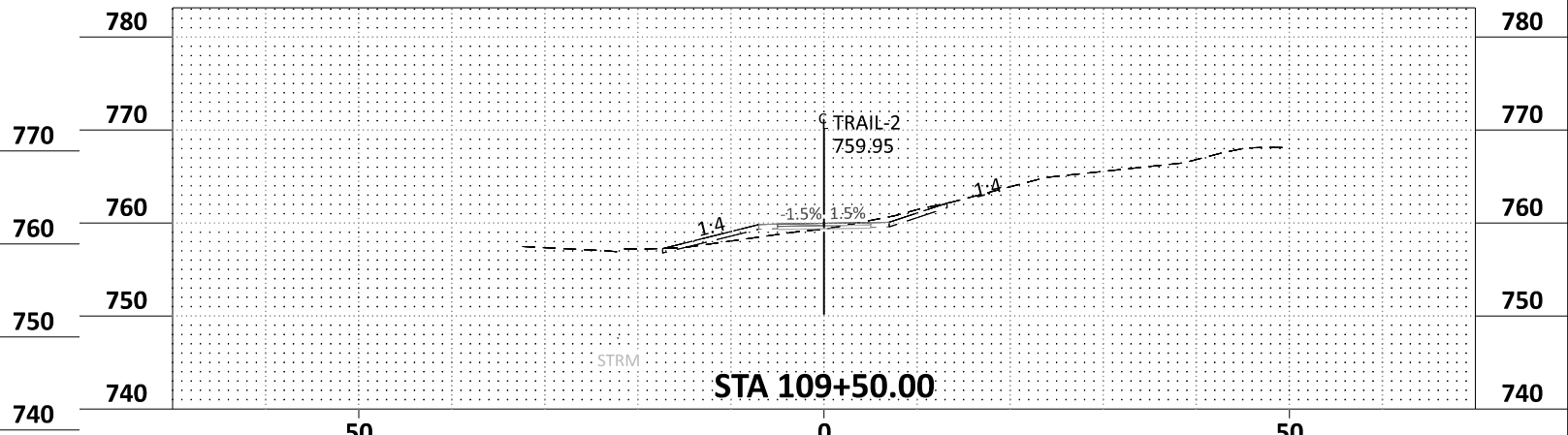
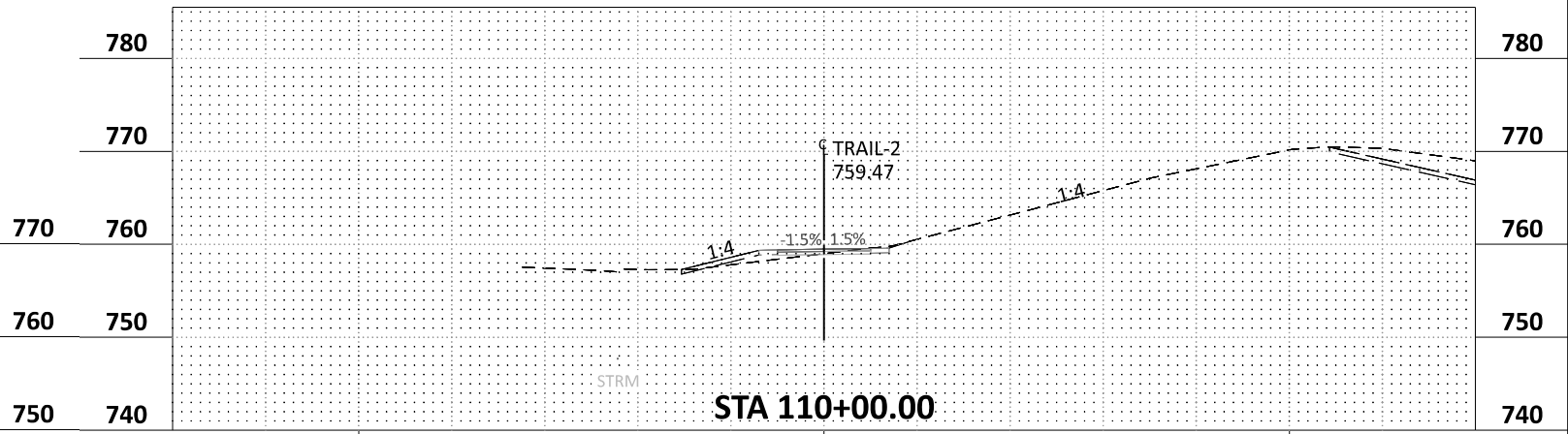
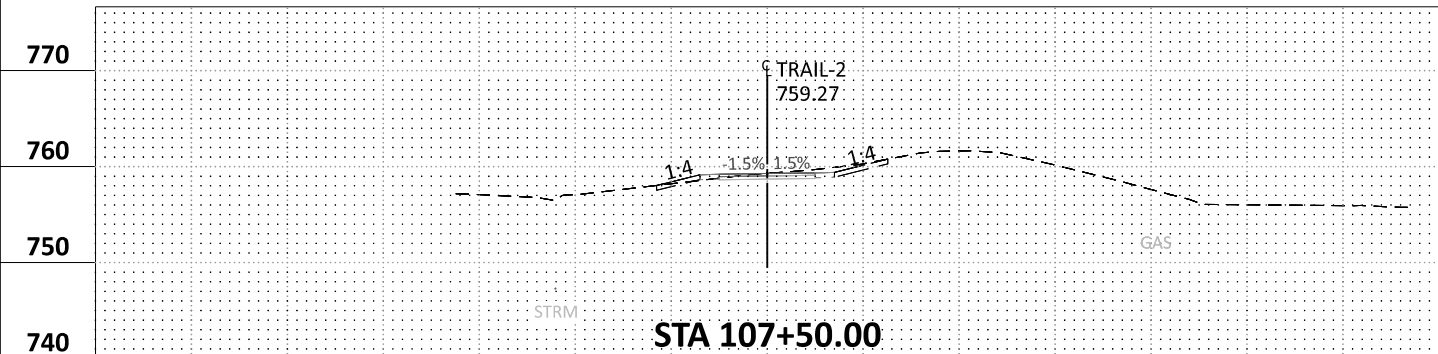
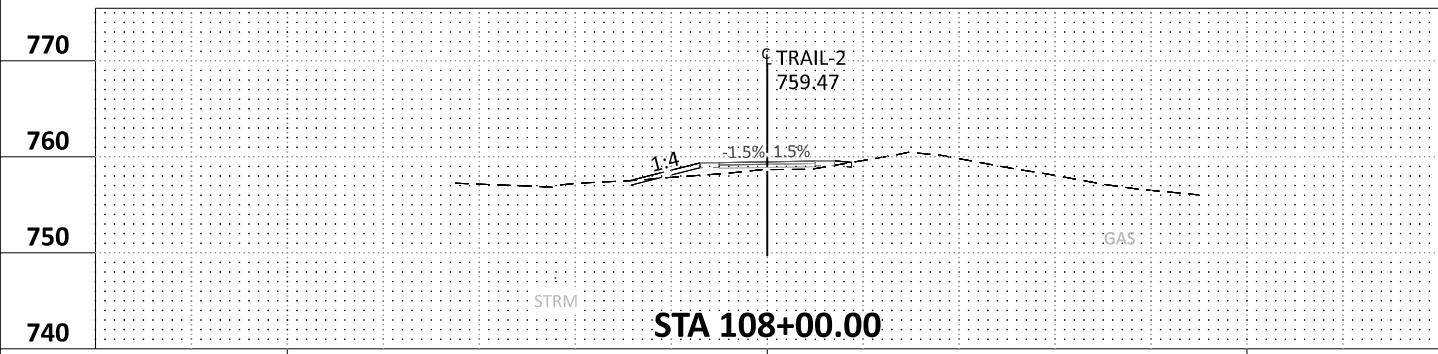
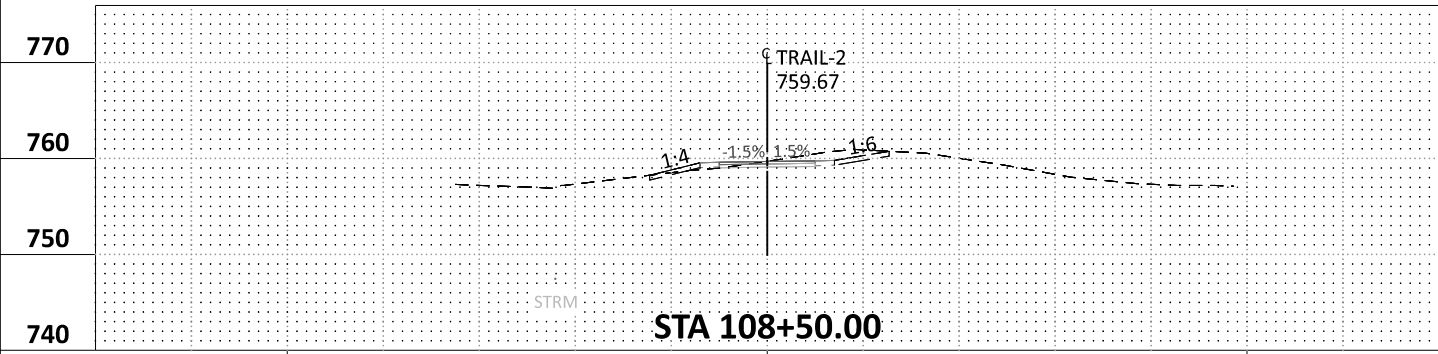
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								DRAWN APW	MN RIVER BLUFFS REGIONAL TRAIL	XS30	
									CHECKED THL	CROSS SECTION	OF
											XS34
						TIM LAMKIN, JR. LIC. NO. 47099					

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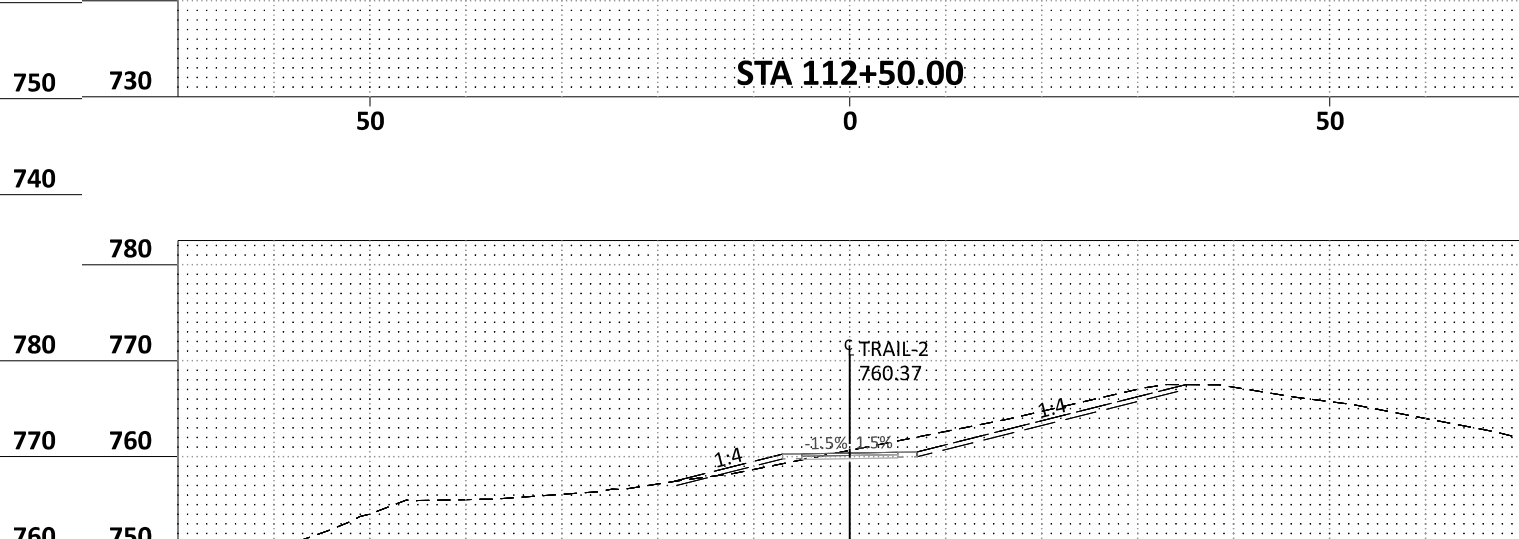
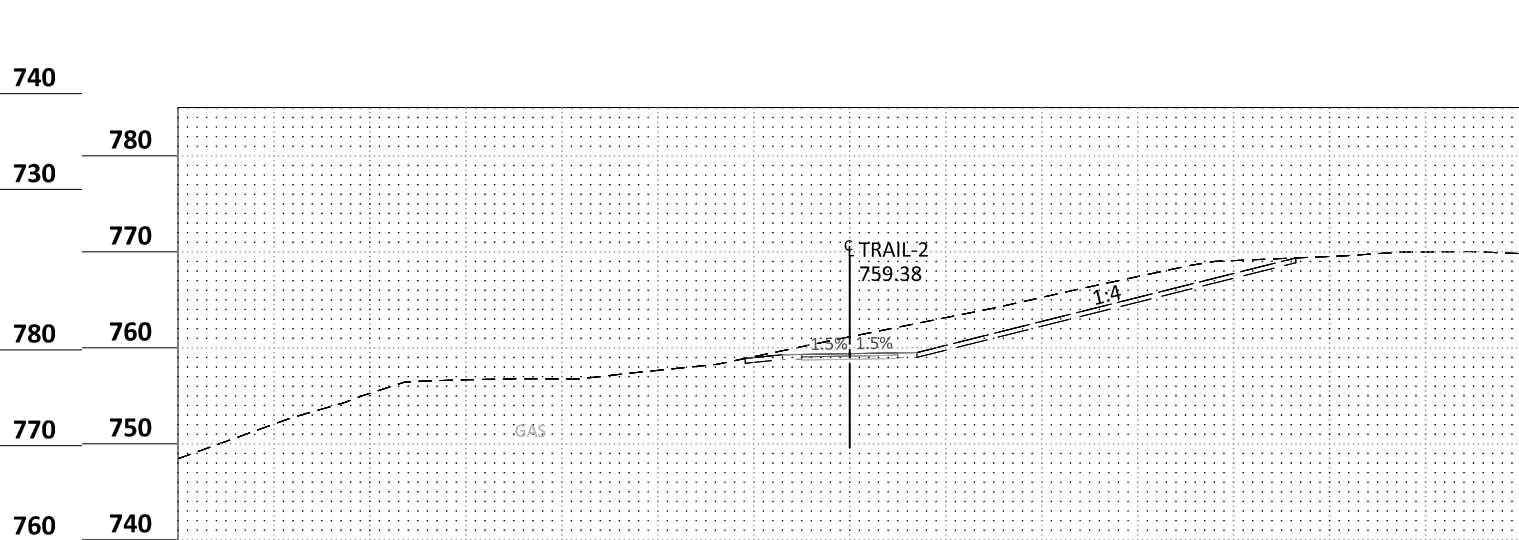
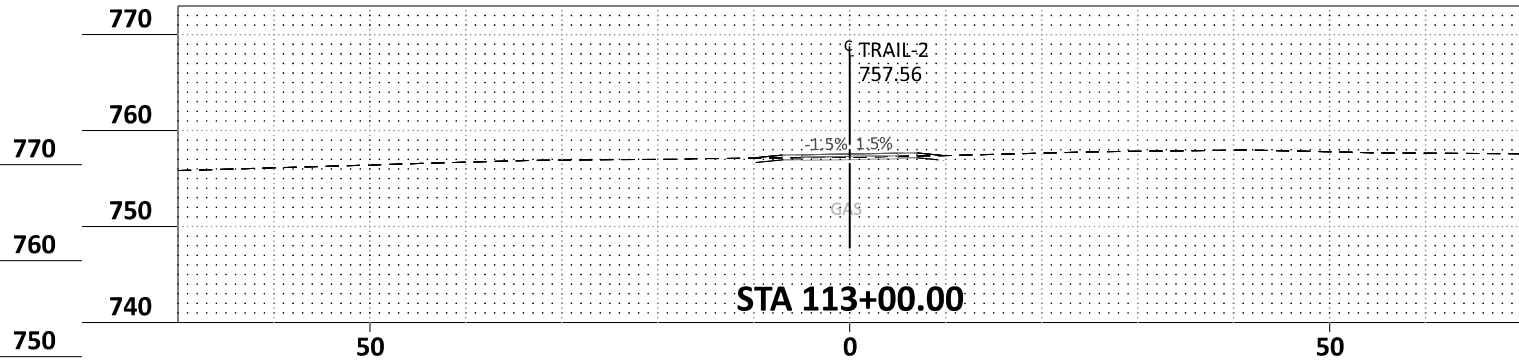
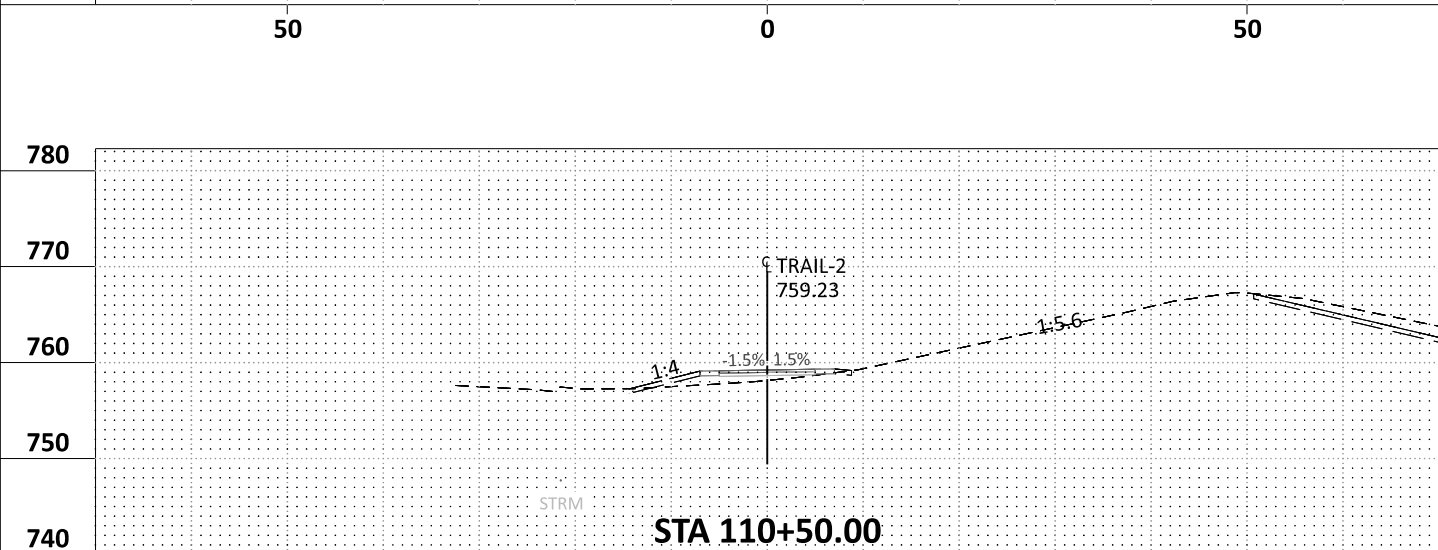
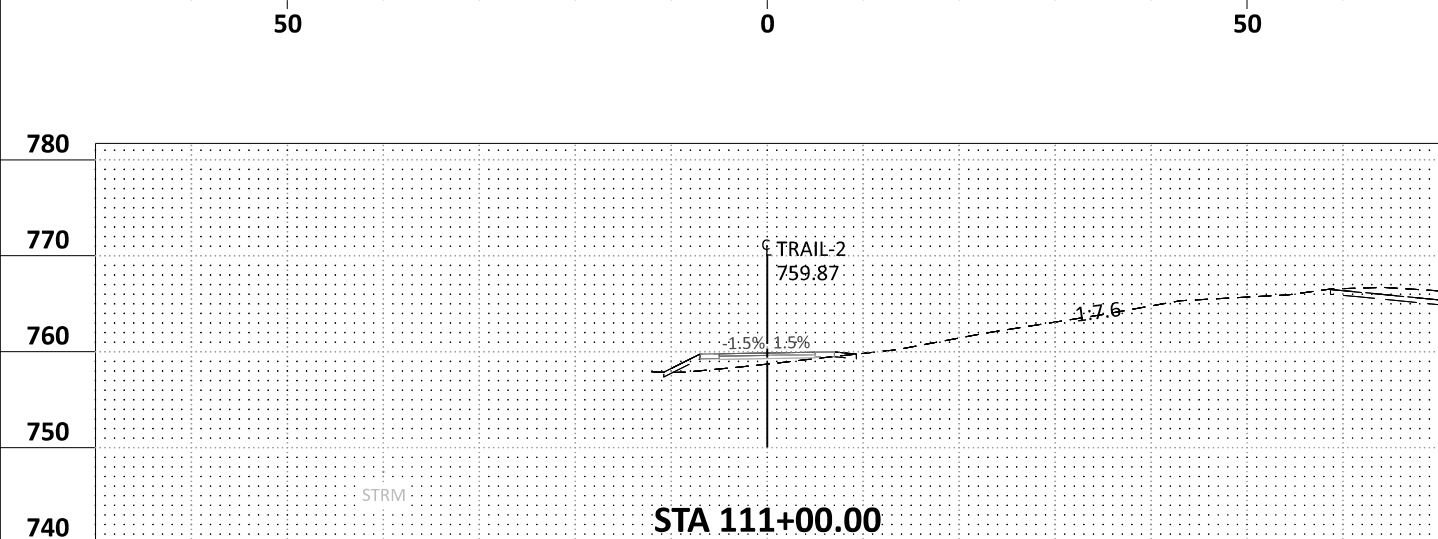
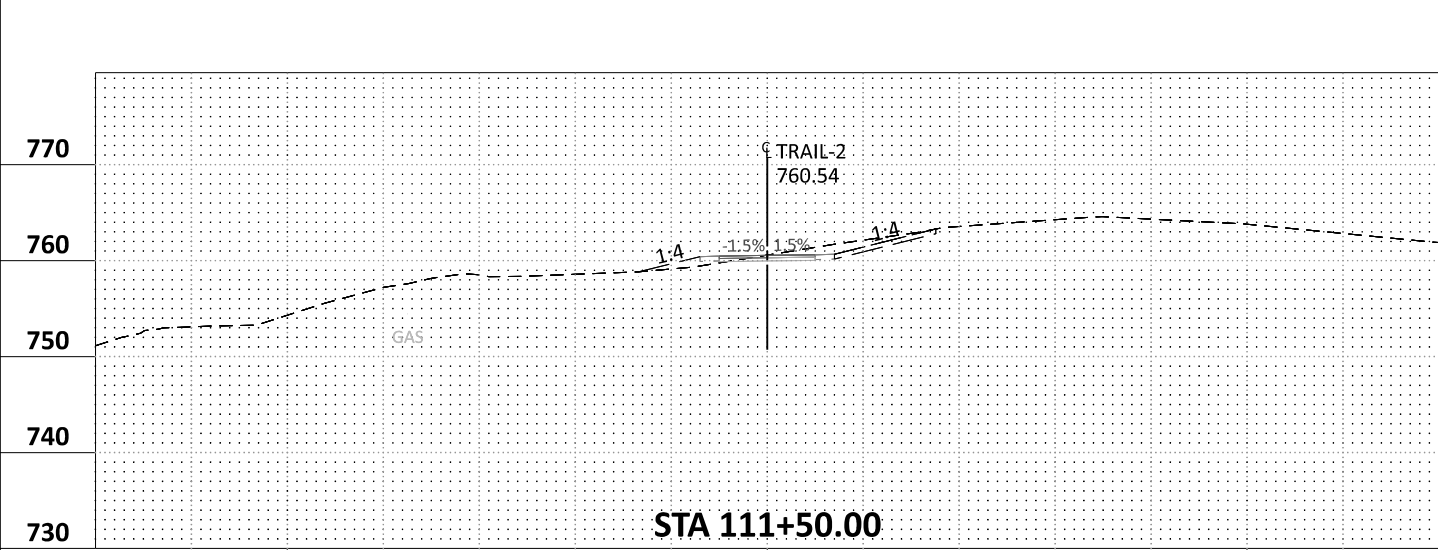
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										DRAWN APW			
										CHECKED THL			

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ENGINEER SIGNATURE 1

TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

DESIGNED APW
DRAWN APW
CHECKED THL

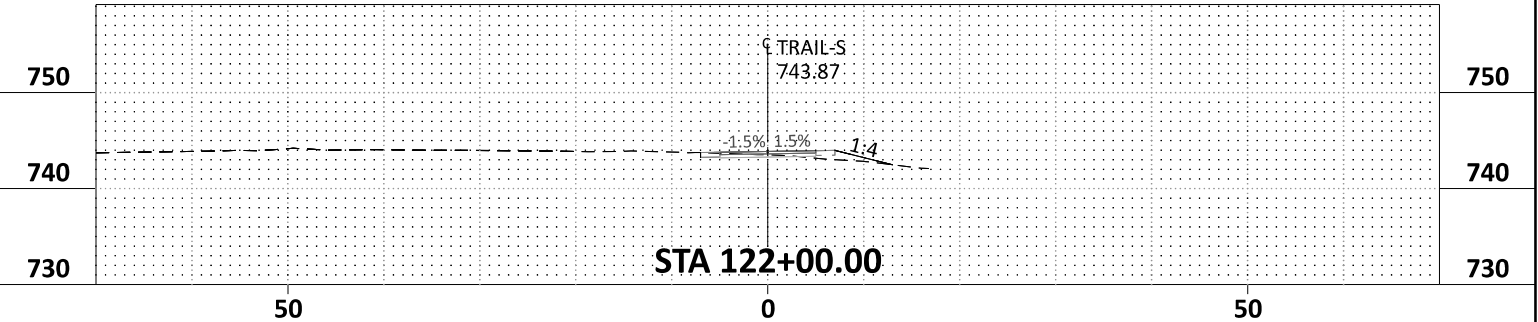
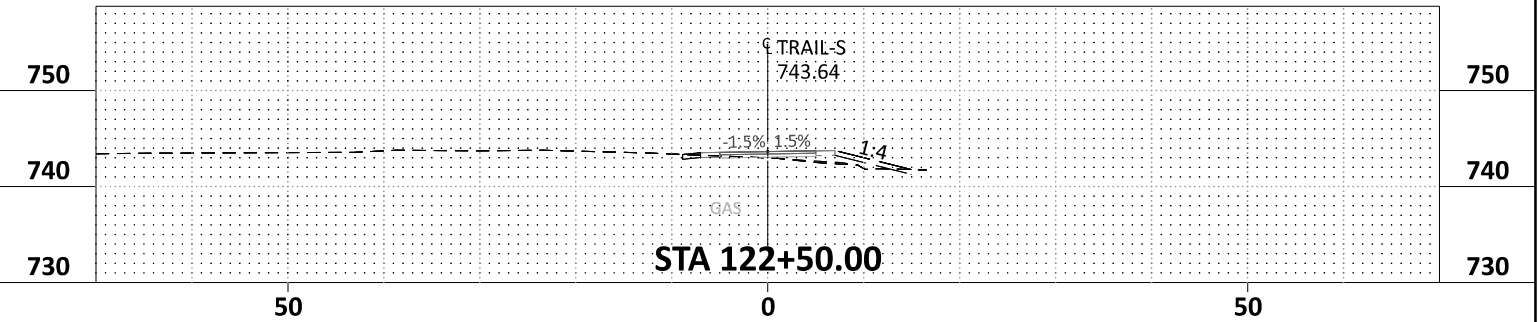
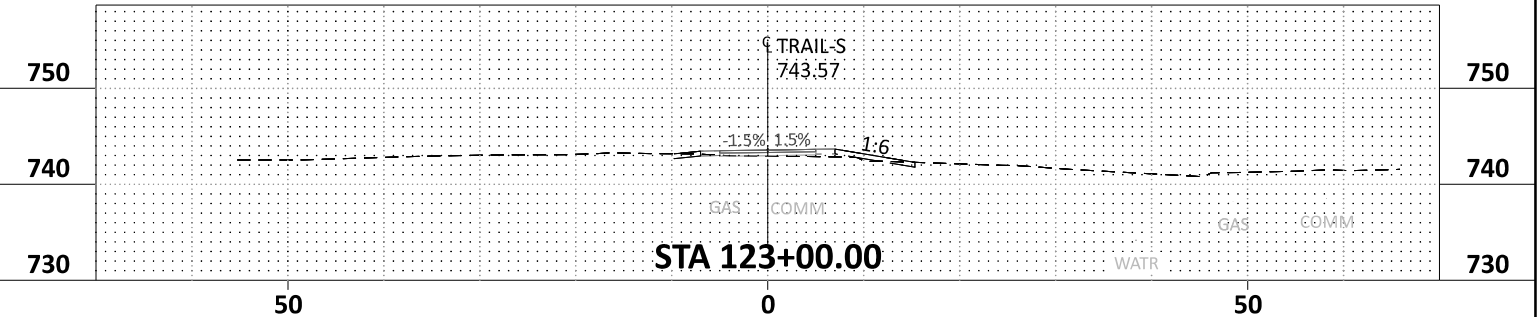
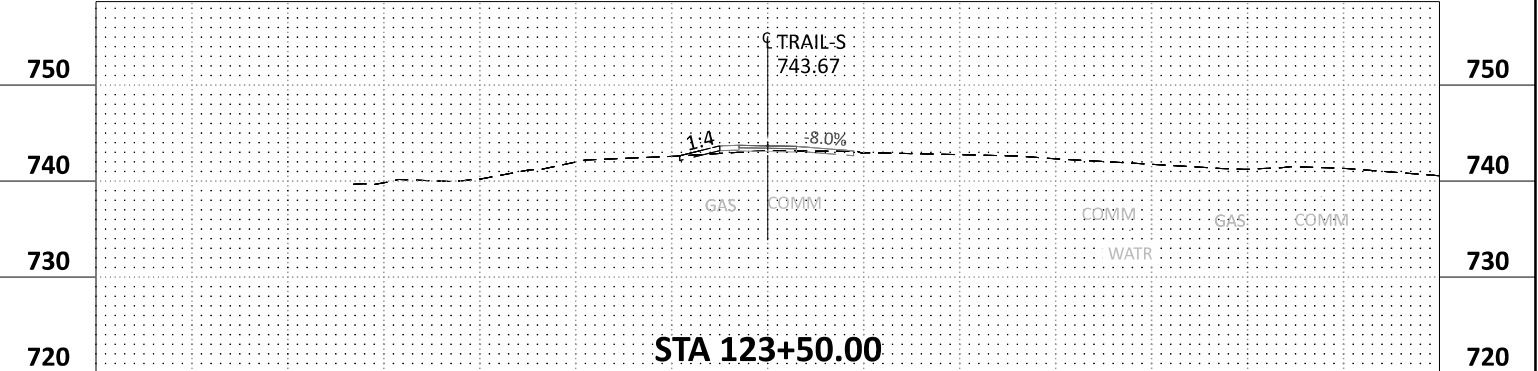
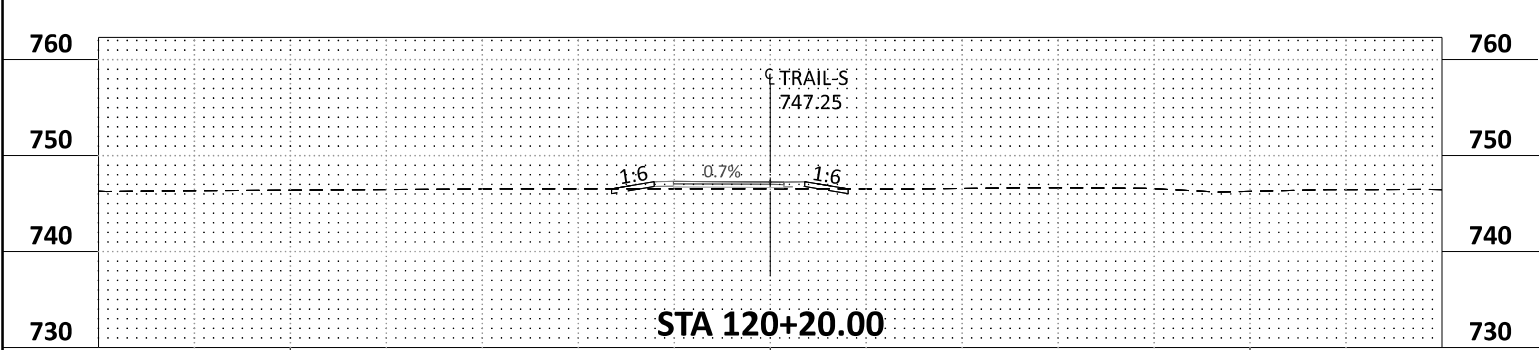
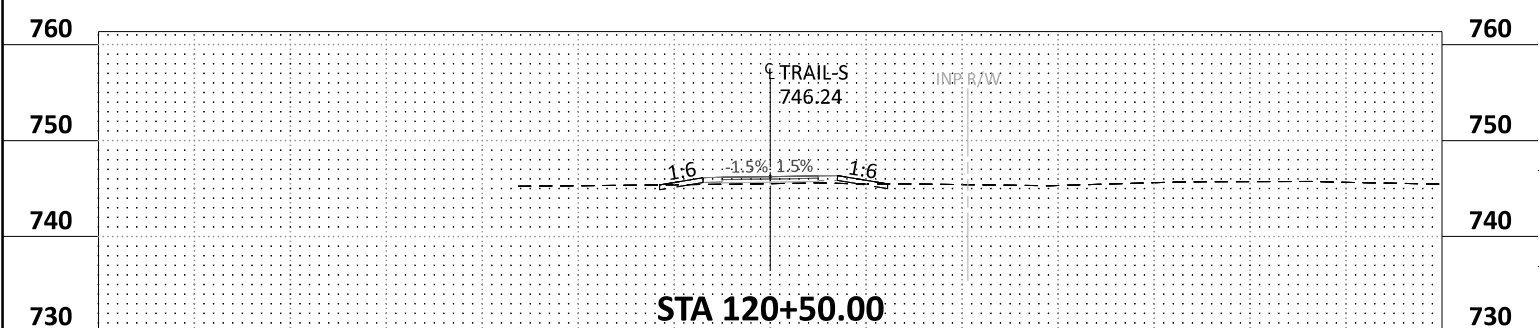
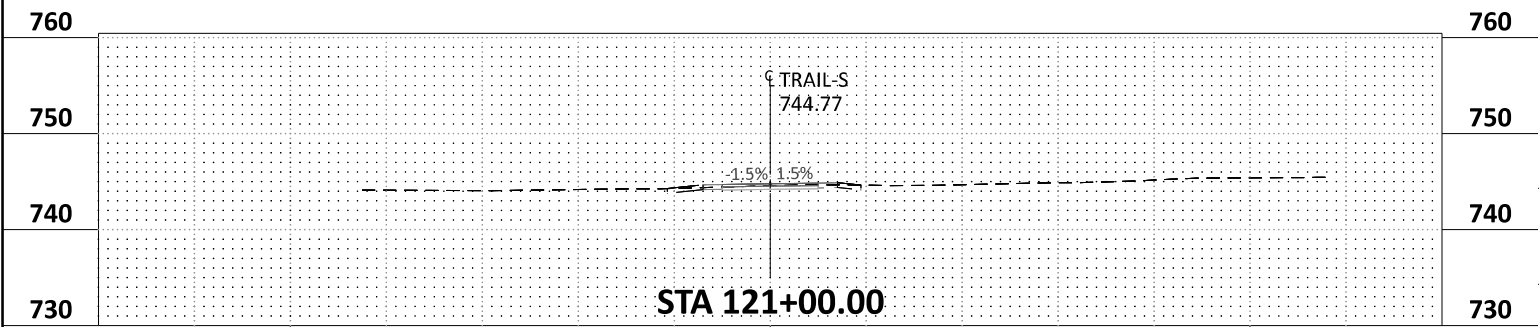
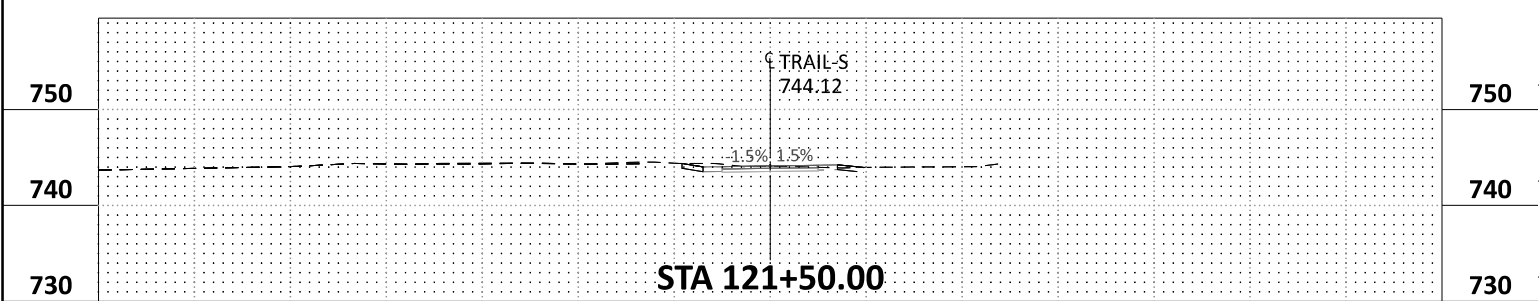
S.P. 196-090-002

MN RIVER BLUFFS REGIONAL TRAIL

CROSS SECTION

SHEET XS32 OF XS34

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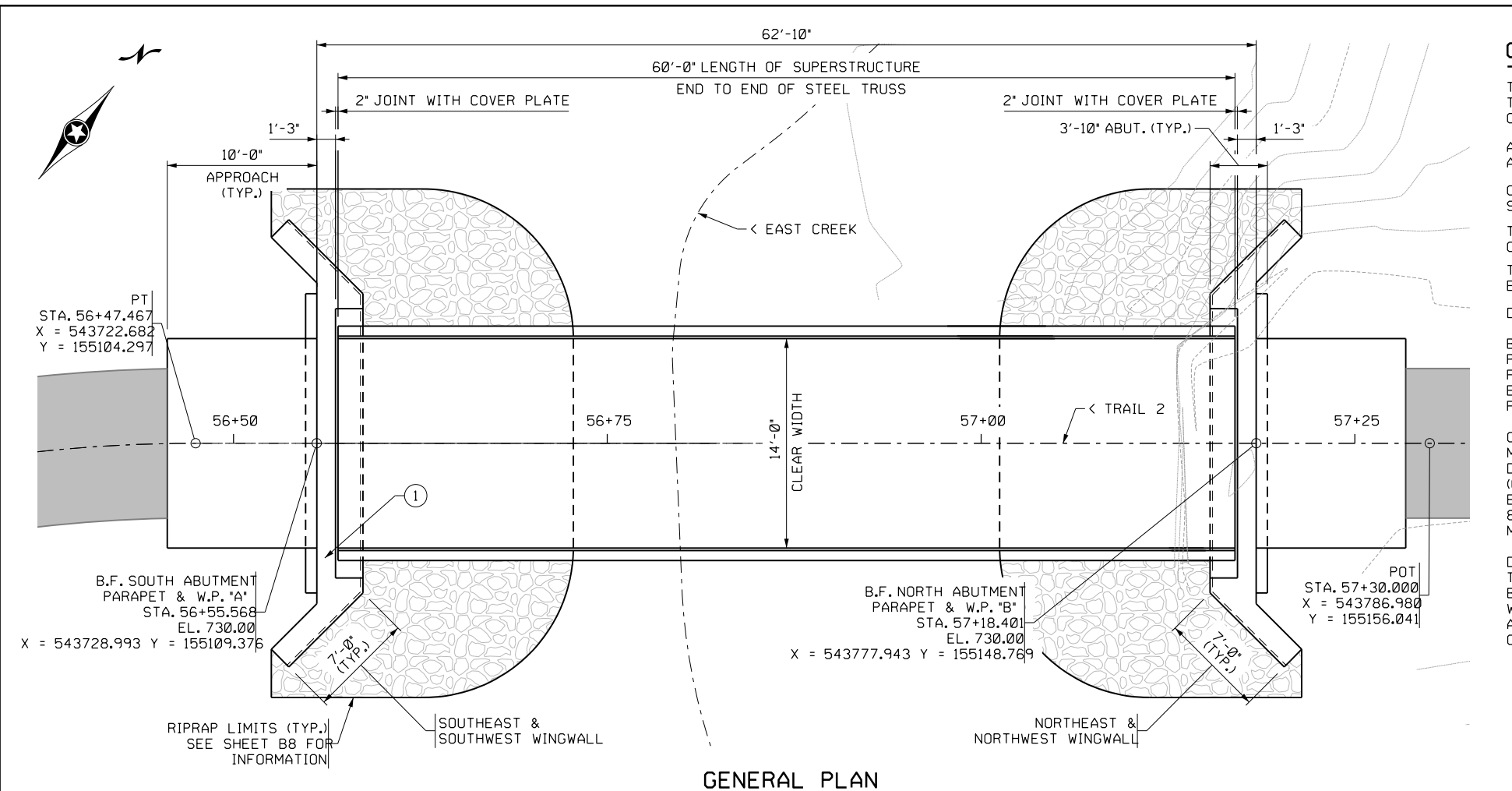
TIM LAMKIN, JR.
LIC. NO. 47099 DATE XX-XX-XX

DESIGNED APW
DRAWN APW
CHECKED THL

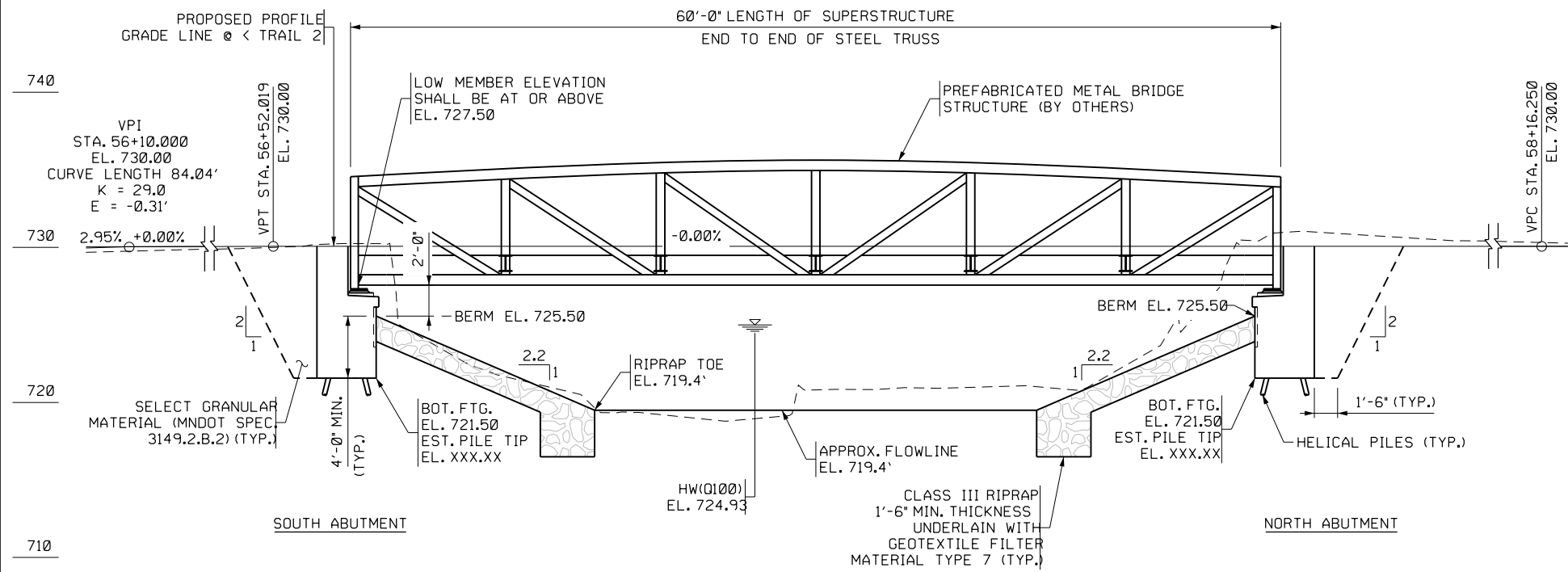
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MN RIVER BLUFFS REGIONAL TRAIL
CROSS SECTION

SHEET XS33 OF XS34

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GENERAL PLAN



GENERAL ELEVATION

CONSTRUCTION NOTES:

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL EXPOSED CONCRETE EDGES SHALL BE FORMED WITH A 3/4" CHAMFER UNLESS OTHERWISE NOTED.

CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPEC. 2411, EXCEPT AS NOTED.

THE BAR SIZES SHOWN IN THIS PLAN ARE IN U.S. CUSTOMARY DESIGNATIONS.

THE BARS MARKED WITH THE SUFFIX "E" SHALL BE EPOXY COATED.

DRAWINGS ARE NOT TO BE SCALED.

BRIDGE SEAT REINFORCEMENT SHALL BE CAREFULLY PLACED TO AVOID INTERFERENCE WITH DRILLING HOLES FOR ANCHOR RODS. THE SUPERSTRUCTURE SHALL BE ERECTED IN FINAL POSITION PRIOR TO DRILLING HOLES FOR AND PLACING ANCHOR BOLTS.

GRANULAR BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR DENSITY (ASTM D698) WITHIN 3' OF AGGREGATE BASE BELOW TRAIL (COMPACTION TO MIN. 95% DENSITY ACCEPTABLE ELSEWHERE). ALL ENGINEERED FILL SHALL BE PLACED IN 8" MAX. LIFTS AND BE PLACED WITHIN 3% OF OPTIMUM MOISTURE CONTENT.

DEWATERING SHOULD BE PERFORMED AS NEEDED SUCH THAT EXCAVATION, ABUTMENT CONSTRUCTION, AND BACKFILLING CAN BE PERFORMED IN A NON-STANDING WATER CONDITION. ALL DEWATERING MATERIALS, LABOR, AND EQUIPMENT THAT ARE NEEDED TO COMPLETE CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL.

NOTES

SEE NEXT SHEET FOR BRIDGE SECTION AND STATEMENT OF ESTIMATED QUANTITIES.

① LOAD LIMIT SIGN AND MNDOT BRIDGE NUMBER. TYPICAL EACH END OF BRIDGE (INCIDENTAL).

MINNESOTA PROJECT NO.

DESIGN DATA

DESIGNED IN ACCORDANCE WITH 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2009 LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES W/ 2015 INTERIM REVISIONS.

PEDESTRIAN LOADING: 90 PSF

DESIGN VEHICLE: H10 (20,000 LBS.)

MATERIAL DESIGN PROPERTIES:

REINFORCED CONCRETE:

f'c = 4 KSI n = 8

fy = 60 KSI REINFORCEMENT

STRUCTURAL STEEL:

WEATHERING STEEL, PER MNDOT 3309 & 3361 TYPE C (UNPAINTED)

fy = 50,000 PSI MINIMUM

DESIGN SPEED:

OVER = 20 MPH

APPROXIMATE DECK AREA 840 SQ. FT.

LIST OF SHEETS

NO.	DESCRIPTION
B1	GENERAL PLAN & ELEVATION
B2	STATEMENT OF QUANTITIES & TRANSV. SECTION
B3-B6	ABUTMENT DETAILS
B7	APPROACH PANEL & MISC. DETAILS
B8	SLOPE PROTECTION
B9	BRIDGE SURVEY
B10	BRIDGE SURVEY PLAN & PROFILE
B11	SOIL BORING LOGS

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RYAN R. EVANS
LIC. NO. 53920 DATE 01/16/2024



MINNESOTA DEPARTMENT OF TRANSPORTATION

BRIDGE NO. XXXXX

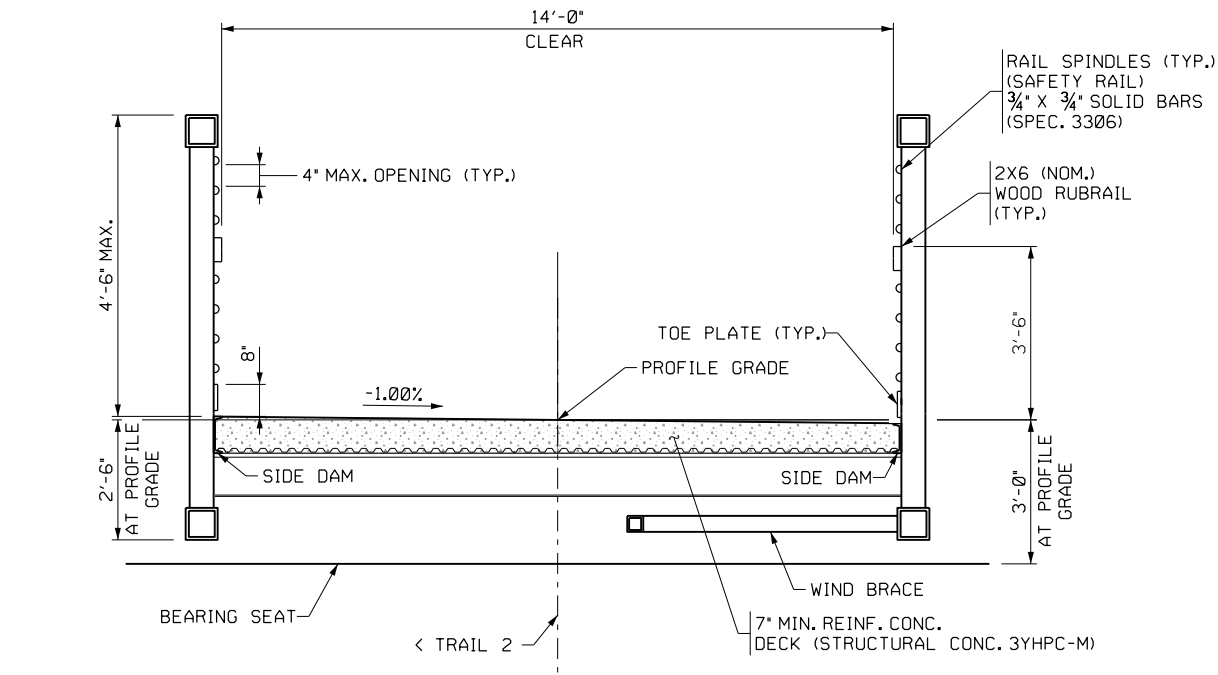
MINNESOTA RIVER BLUFFS REGIONAL TRAIL
CHASKA CONNECTION
BRIDGE OVER THE EAST CREEK
1120' EAST OF WALNUT ST. & CHASKA BLVD. INTERSECTION
62' SOUTH OF CHASKA BLVD.

GENERAL PLAN AND ELEVATION

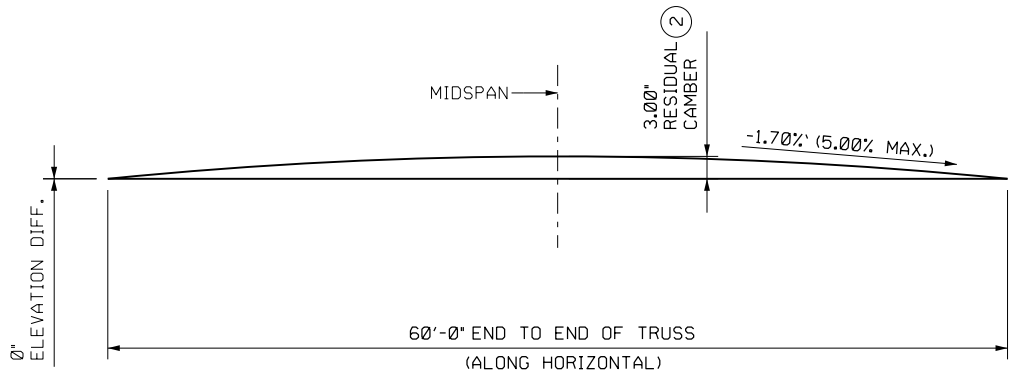
IDENTIFICATION NO. 302
COUNTY CARVER
CITY: CHASKA

APPROVED:	CITY OF CHASKA	DATE
APPROVED:	STATE BRIDGE ENGINEER	DATE
DES. AJL	DR. JMR	R0986
CHK. RRE	CHK. RRE	

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BRIDGE SECTION - TRUSS



TRUSS CAMBER DIAGRAM

NOTES

- ① DIMENSION SUBJECT TO CHANGE BASED ON FINAL TRUSS WIDTH. COORDINATE WITH TRUSS FABRICATOR.
- ② ACCEPTABLE CONSTRUCTION TOLERANCE FOR RESIDUAL CAMBER SHALL BE +0.00" TO 1.00" FROM THE DESIGN VALUE SHOWN.

STATEMENT OF ESTIMATED QUANTITIES - BRIDGE ONLY				
ITEM #	ITEM	NOTES	UNIT	ESTIMATED QUANTITY
2106.507	SELECT GRANULAR EMBANKMENT (CV)		CU YD	104
2401.507	STRUCTURAL CONCRETE (3B52)		CU YD	50
2401.508	REINFORCEMENT BARS (EPOXY COATED)		POUND	4760
2401.508	REINFORCEMENT BARS (STAINLESS STEEL)		POUND	80
2401.601	STRUCTURE EXCAVATION		LUMP SUM	1
2402.601	PEDESTRIAN BRIDGE (SUPERSTRUCTURE)	(1)	LUMP SUM	1
2406.504	BRIDGE APPROACH PANELS		SQ YD	31
2411.618	ARCHITECTURAL SURFACE FINISH (MULTI COLOR)		SQ FT	168
2411.618	ARCHITECTURAL CONCRETE TEXTURE (ASHLAR STONE)		SQ FT	168
2452.602	HELICAL PILING 10' LONG		EACH	12
2452.603	ADDITIONAL HELICAL PILING LENGTH	(2)	LIN FT	264
2502.501	DRAINAGE SYSTEM TYPE (B910)		LUMP SUM	1
2511.504	GEOTEXTILE FILTER TYPE 7		SQ YD	160
2511.507	RANDOM RIPRAP CLASS III		CU YD	85

QUANTITY NOTES

'(P)' DENOTES PLAN QUANTITY PAY ITEM AS PER MNDOT SPEC.1901.

- (1) INCLUDES PAYMENT FOR CONCRETE DECK, BEARINGS, AND ANCHOR RODS; SEE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.
- (2) INCLUDES 2'-0" PILE EMBEDMENT INTO FOOTING.

SEE SPECIAL PROVISIONS FOR ALL XXXX.6XX SERIES PAY ITEMS FOR ADDITIONAL REQUIREMENTS.

NO	DATE	BY	CHK.	REVISIONS



**BOLTON
& MENK**

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RYAN EVANS	
LIC. NO. 53920	DATE 1/15/2024

DESIGNED AJL		DRAWN JMR		APPROVED	BRIDGE NO. R0986
CHECKED RRE		CHECK RRE			
S.P. 196-090-002					
SHEET NO. B2		OF B11		SHEETS	



ABUTMENT PLAN

* DIMENSION SHALL BE VERIFIED WITH BRIDGE MANUFACTURER.



NO	DATE	BY	CHK.	REVISIONS



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RYAN EVANS

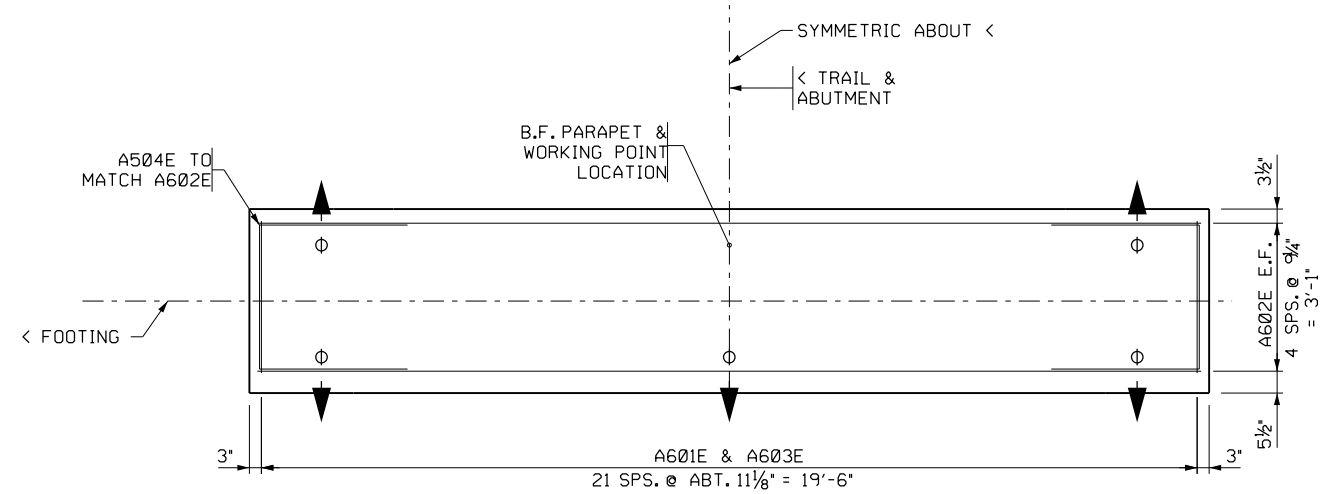
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ABUTMENT DETAILS
SHEET 1 OF 4

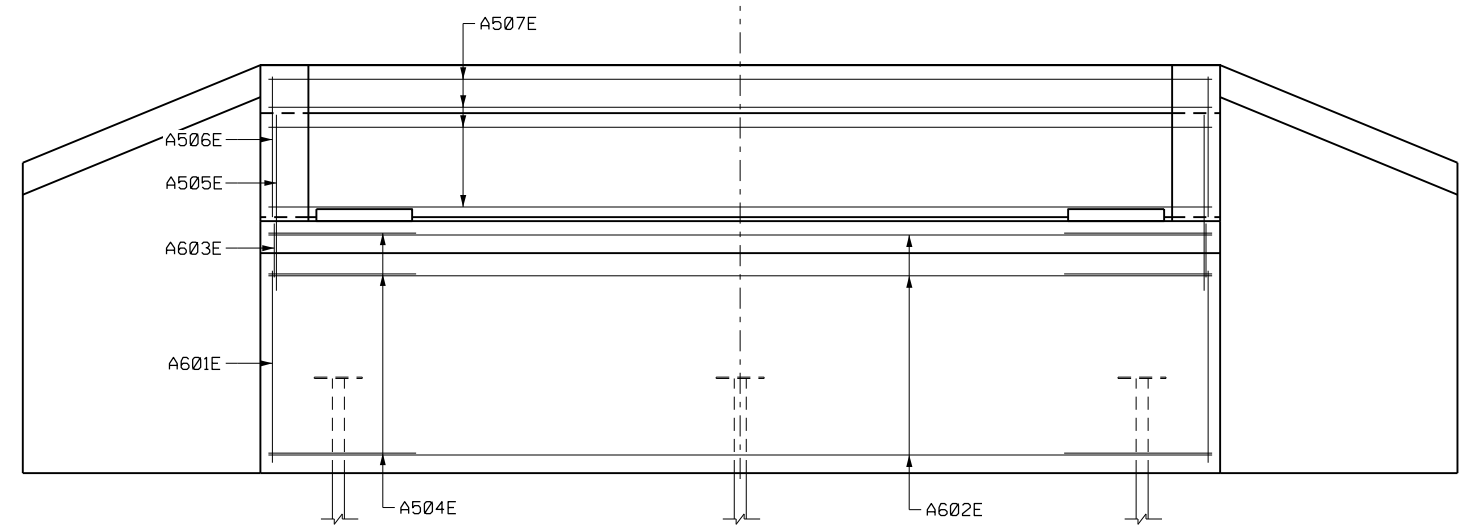
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CHECKED	RRE	CHECK	RRE	
S.P. 196-090-002				
SHEET NO. B3 OF B11 SHEET				

BRIDGE NO.
R0986

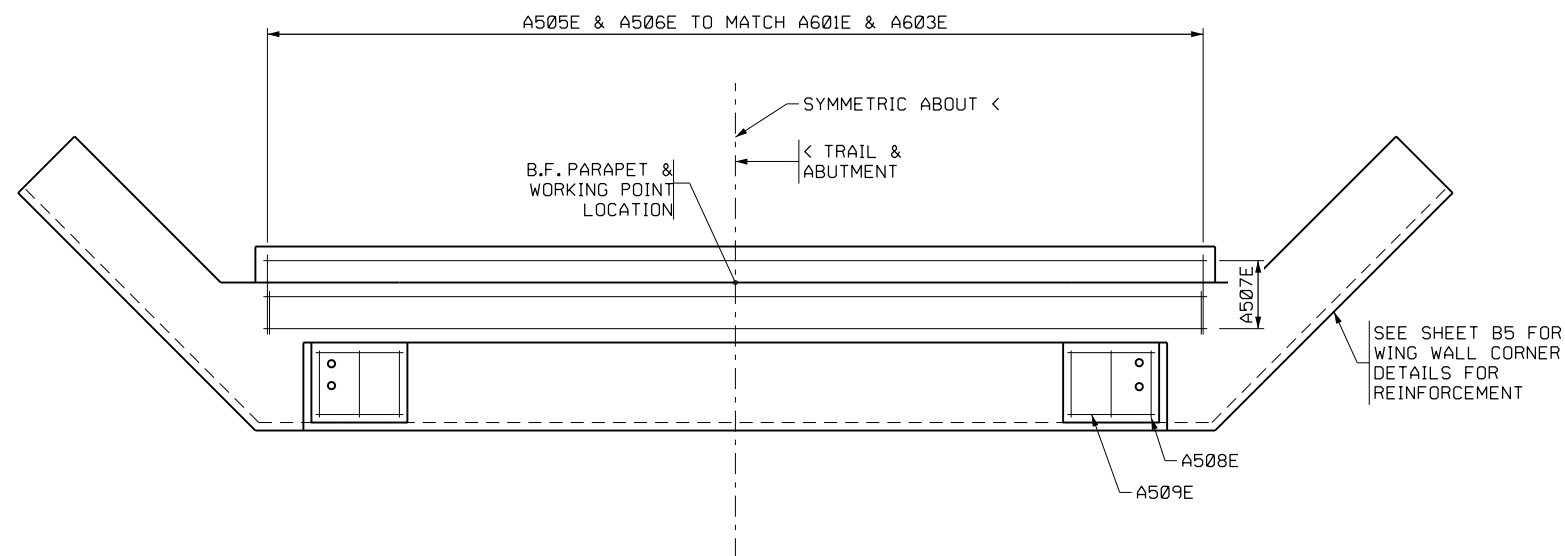
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FOOTING

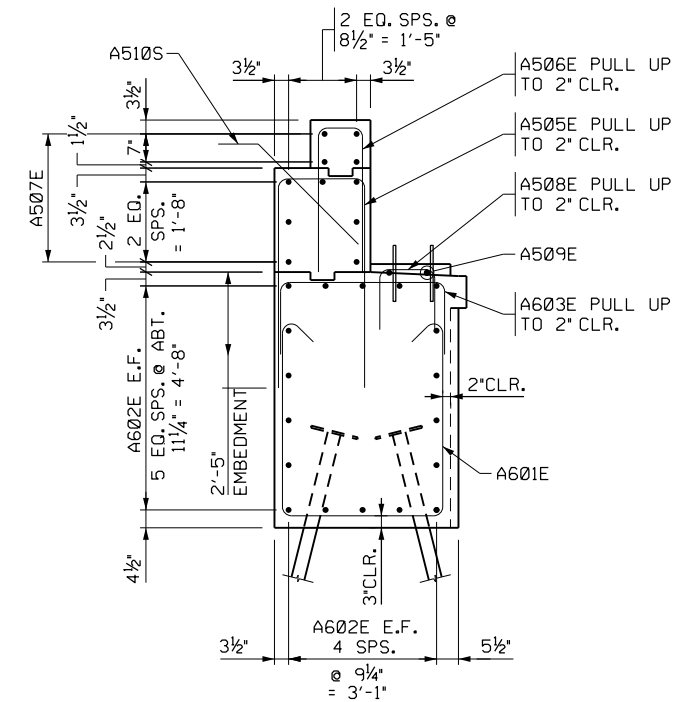


ABUTMENT ELEVATION



BACKWALL AND BRIDGE SEAT

ABUTMENT PLAN



SECTION THROUGH ABUTMENT

NO	DATE	BY	CHK.	REVISIONS



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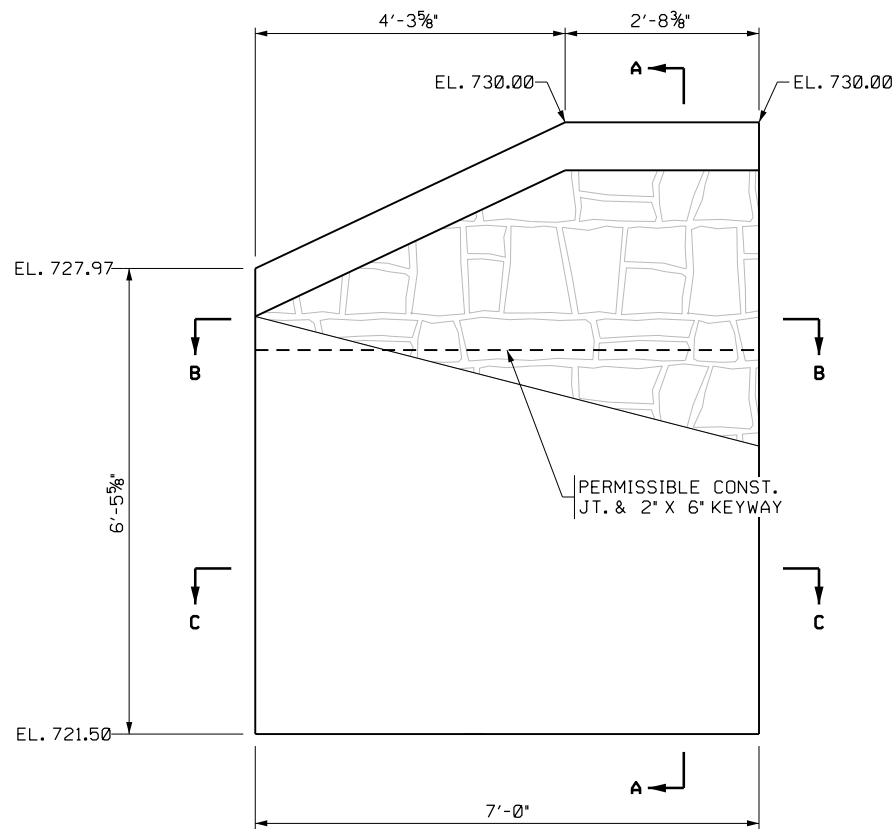
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RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

ABUTMENT DETAILS
SHEET 2 OF 4

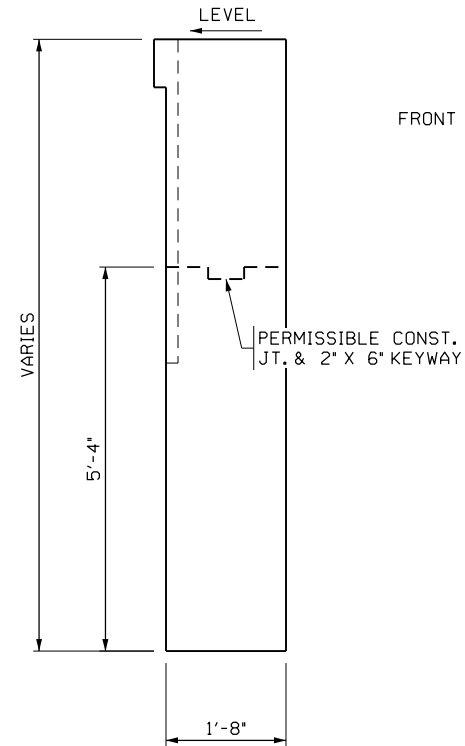
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CHECKED RRE	CHECK RRE	
S.P. 196-090-002		
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BRIDGE NO.
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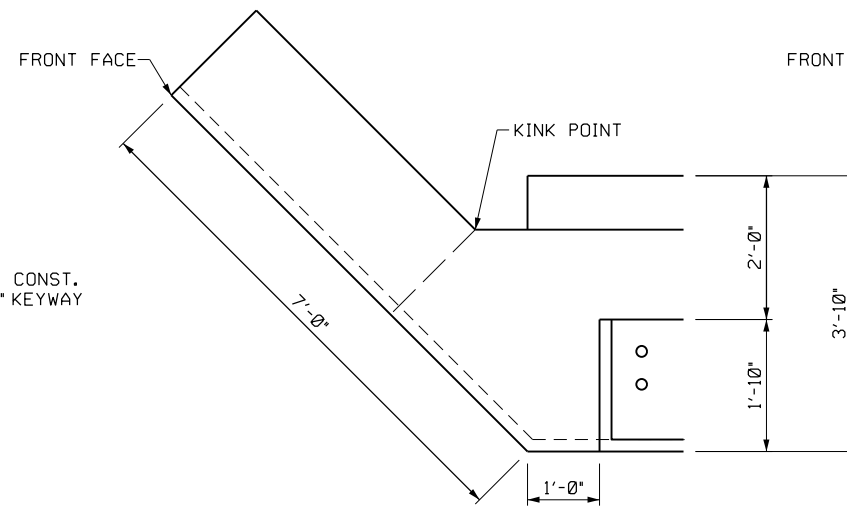
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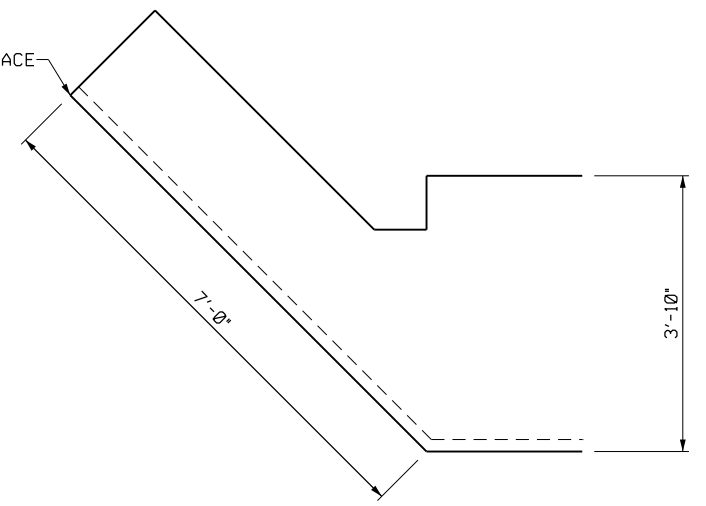
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(ENVELOPED ALONG WALL)



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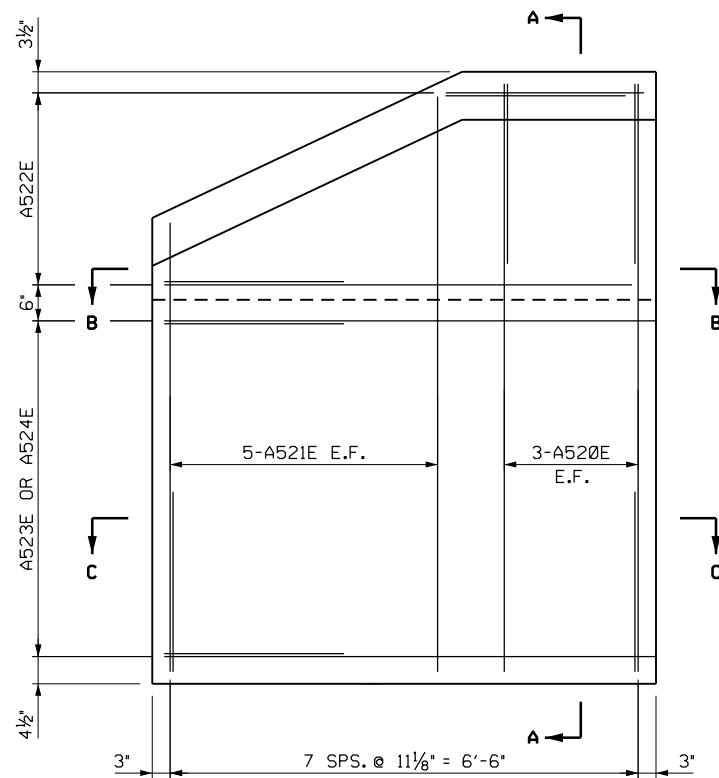


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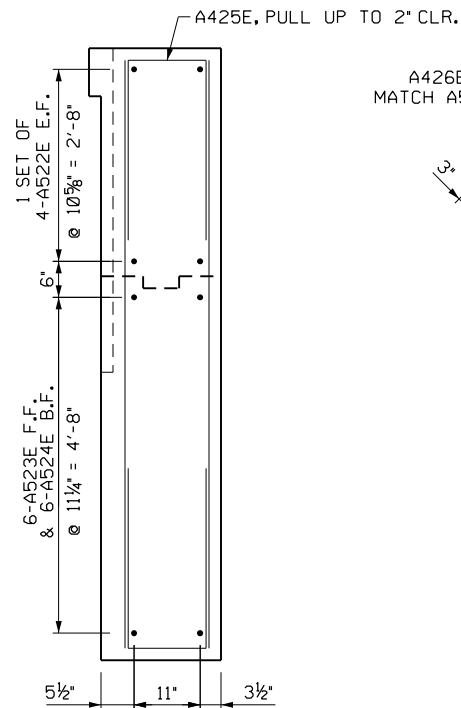


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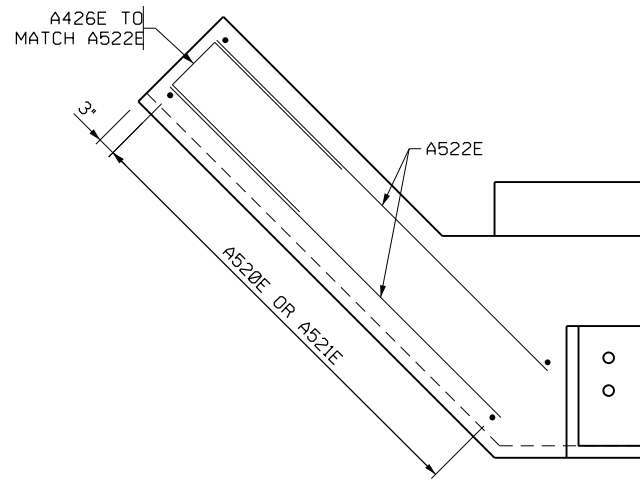
WINGWALL DETAILS
SOUTHEAST WINGWALL SHOWN,
OTHER WINGWALLS SIMILAR



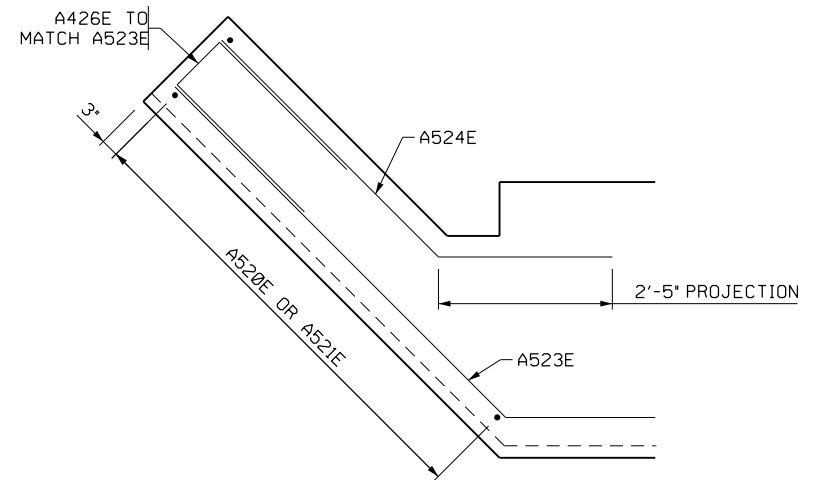
ELEVATION
(ENVELOPED ALONG WALL)



SECTION A-A



SECTION B-B



SECTION C-C

WINGWALL REINFORCEMENT
SOUTHEAST WINGWALL SHOWN,
OTHER WINGWALLS SIMILAR

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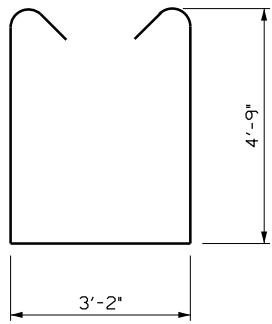
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LIC. NO. 53920 DATE 1/15/2024

ABUTMENT DETAILS
SHEET 3 OF 4

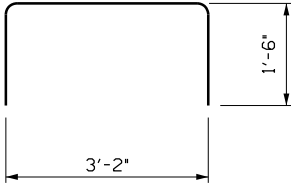
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CHECKED RRE	CHECK RRE	
S.P. 196-090-002		
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BRIDGE NO.
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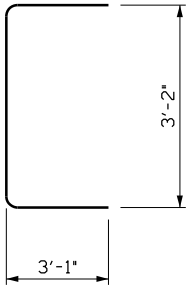
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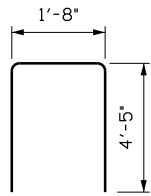
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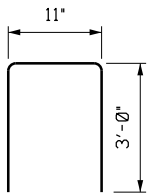
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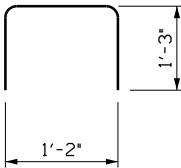
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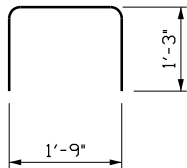
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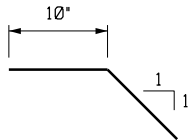
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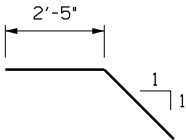
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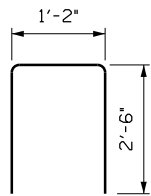
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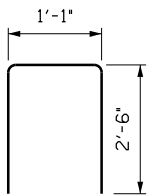
A510E



A523E & A524E



A525E



A526E

BAR BEND DETAILS

BILL OF REINFORCEMENT - TOTAL (2 ABUTMENTS)

BAR	NUMBER	LENGTH	SHAPE	LOCATION
A601E	40	12'-5"		FOOTING VERTICAL STIRRUP
A602E	36	19'-7"		FOOTING HORIZONTAL
A603E	40	6'-2"		FOOTING VERTICAL TIE
A504E	24	9'-4"		FOOTING HORIZONTAL TIE
A505E	40	10'-6"		BACKWALL VERTICAL TIE
A506E	40	6'-11"		BACKWALL VERTICAL TIE
A507E	22	19'-7"		BACKWALL HORIZONTAL
A508E	8	3'-8"		BRIDGE SEAT VERTICAL TIE
A509E	12	4'-3"		BRIDGE SEAT HORIZONTAL TIE
A510S	20	3'-9"		BRIDGE APPROACH PANEL TIE
A520E	24	8'-1"		WINGWALL VERTICAL
A421E	8 SETS OF 5	6'-2" TO 7'-11"		WINGWALL VERTICAL
A422E	8 SETS OF 4	3'-10" TO 6'-6"		WINGWALL HORIZONTAL
A423E	24	8'-11"		WINGWALL HORIZONTAL
A424E	24	6'-8"		WINGWALL HORIZONTAL
A425E	44	6'-2"		WINGWALL TIE
A426E	40	6'-1"		WINGWALL TIE

NO	DATE	BY	CHK.	REVISIONS



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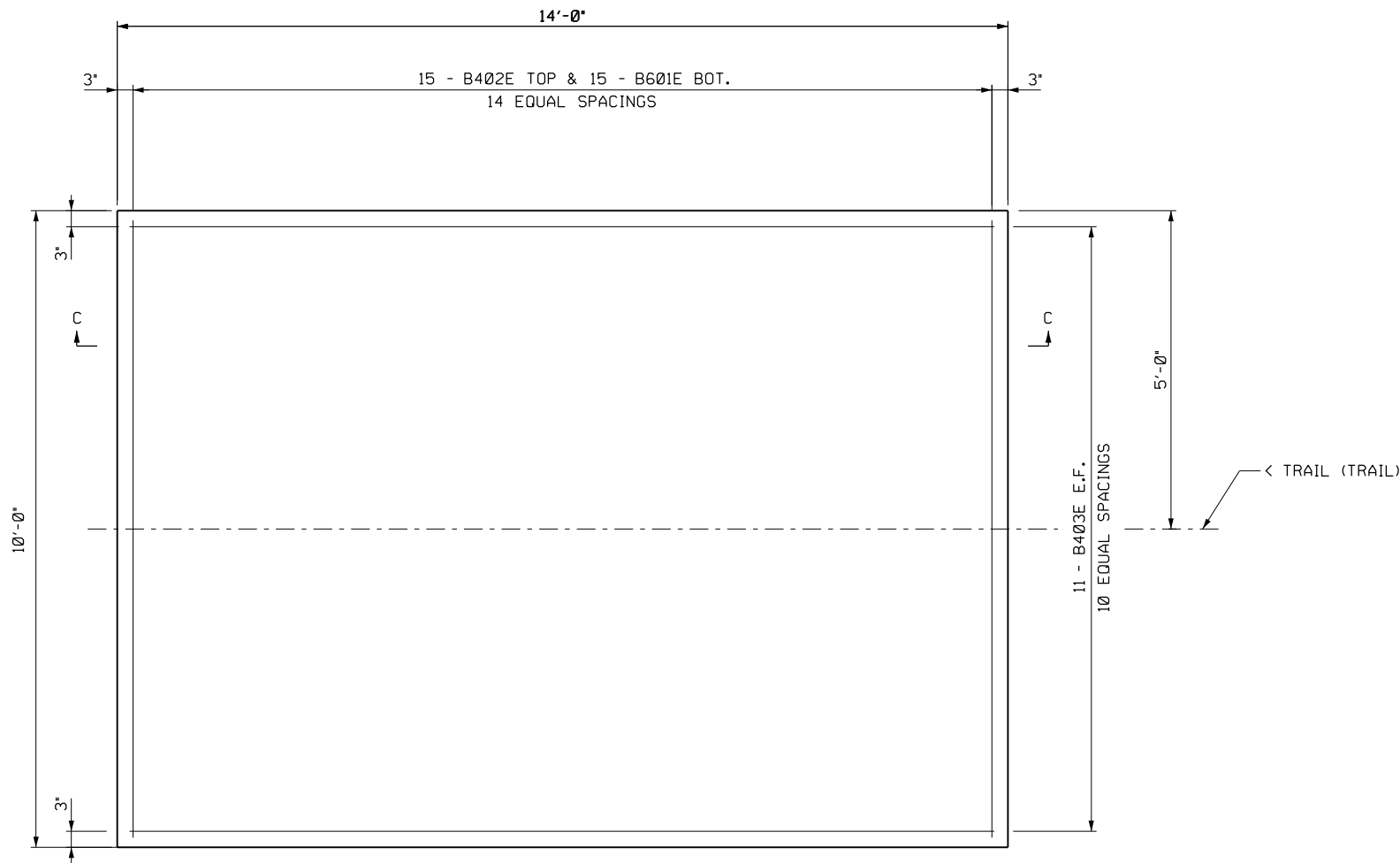
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

ABUTMENT DETAILS
SHEET 4 OF 4

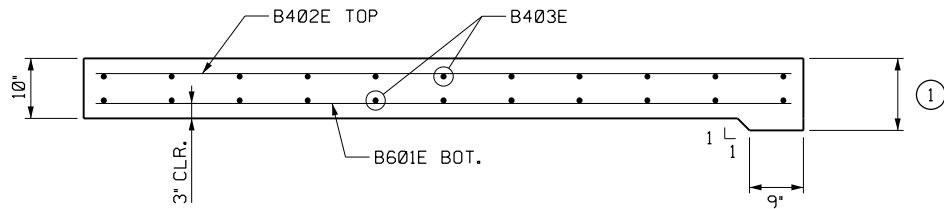
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CHECKED RRE	CHECK RRE	
S.P. 196-090-002		
SHEET NO. B6 OF B11 SHEETS		

BRIDGE NO.
R0986

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APPROACH TRAIL SLAB PLAN
SOUTH AND NORTH SIDE OF BRIDGE



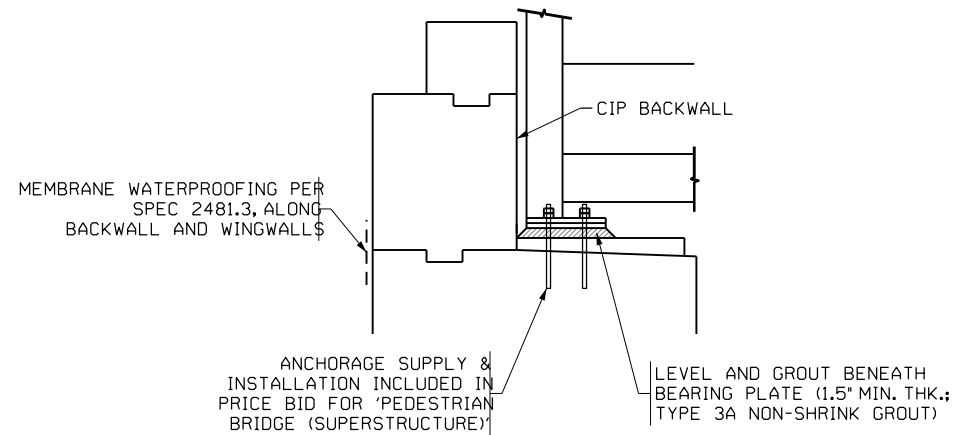
APPROACH TRAIL SLAB SECTION

① 1'-0" AT < TRAIL (VARIES WITH CROSS-SLOPE).

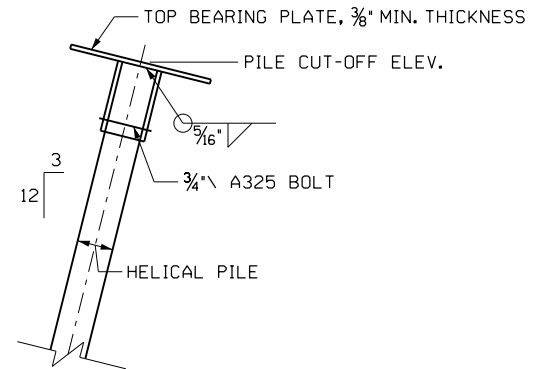
BILL OF REINFORCEMENT - TOTAL (2 APPROACH PANELS)

BAR	NUMBER	LENGTH	SHAPE	LOCATION
B601E	30	9'-7"	—	SLAB, LONGIT, BOTT
B402E	30	9'-7"	—	SLAB, LONGIT, TOP
B403E	44	13'-7"	—	SLAB, TRANSV.

NOTE: APPROACH PANEL REINFORCEMENT IS INCLUDED IN THE PRICE BID FOR 'BRIDGE APPROACH PANELS'.



MEMBRANE WATERPROOFING AND ANCHORAGE ASSEMBLY DETAIL



HELICAL PILE CAP DETAIL

NO	DATE	BY	CHK.	REVISIONS



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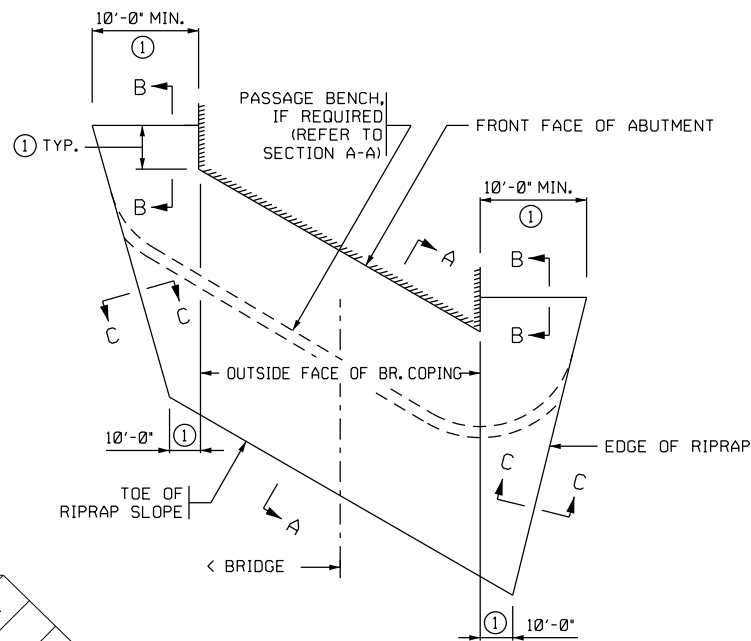
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LIC. NO. 53920 DATE 1/15/2024

APPROACH PANELS
& MISCELLANEOUS DETAILS

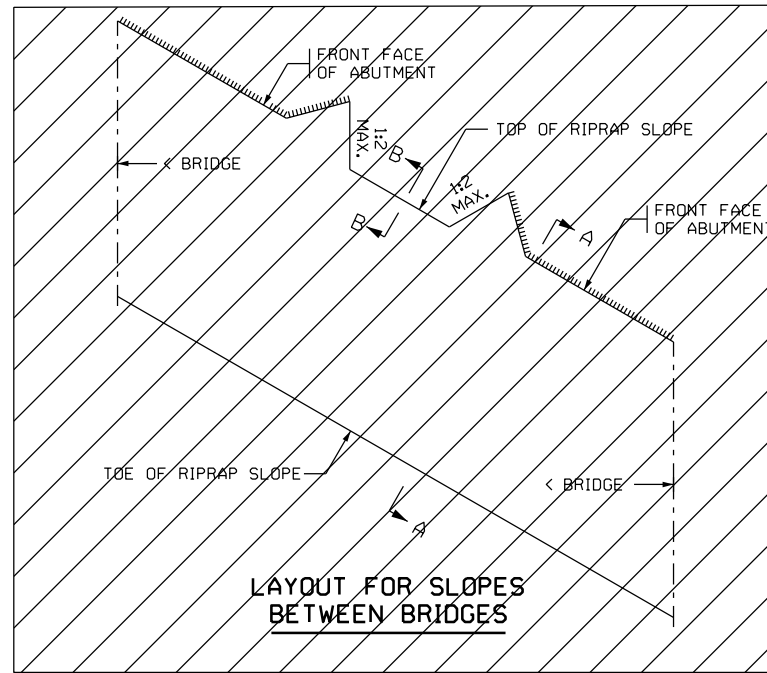
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CHECKED RRE	CHECK RRE	
S.P. 196-090-002		
SHEET NO. B7 OF B11 SHEETS		

BRIDGE NO.
R0986

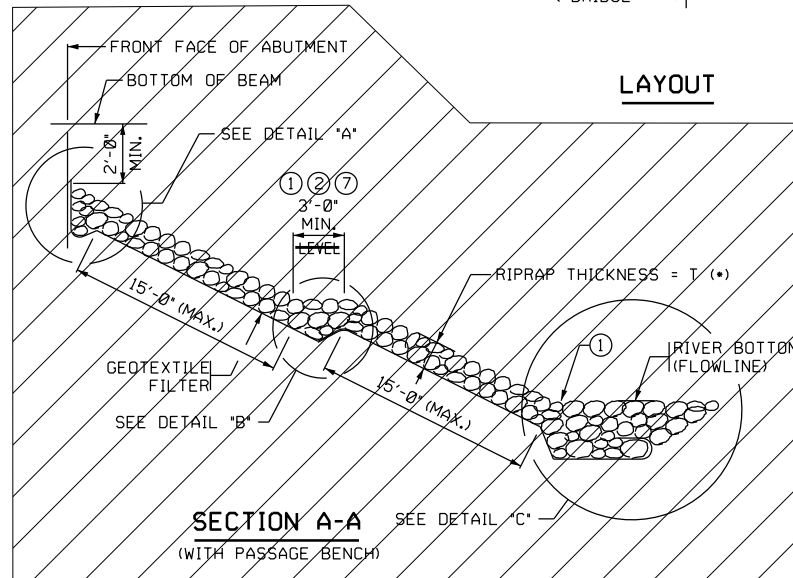
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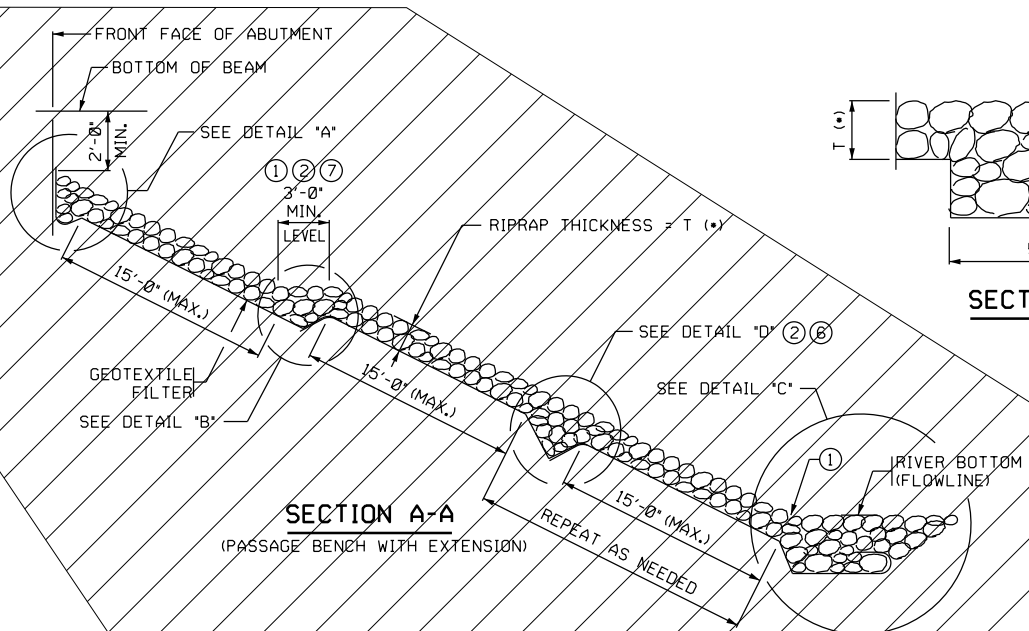
LAYOUT



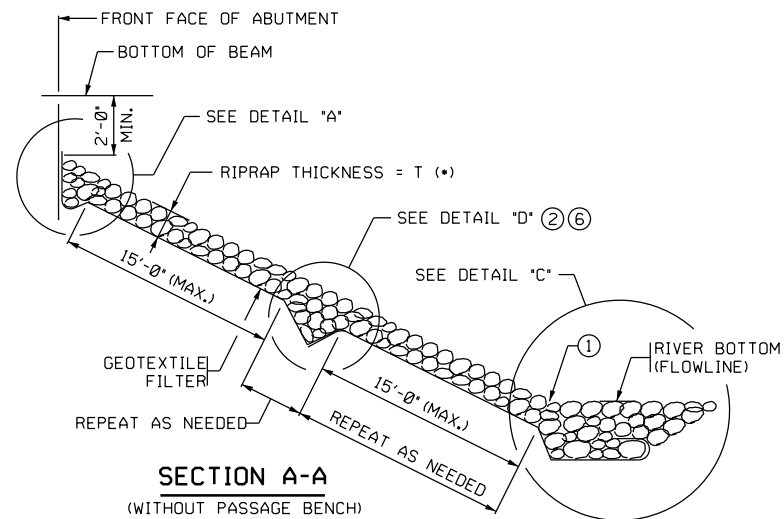
LAYOUT FOR SLOPES BETWEEN BRIDGES



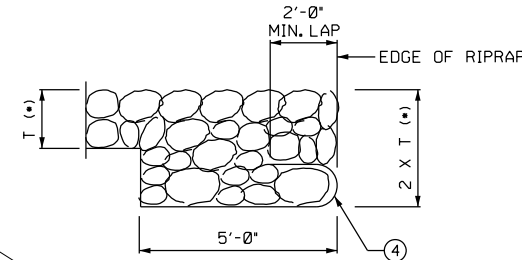
SECTION A-A
(WITH PASSAGE BENCH)



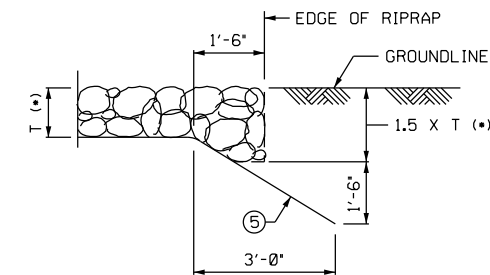
SECTION A-A
(PASSAGE BENCH WITH EXTENSION)



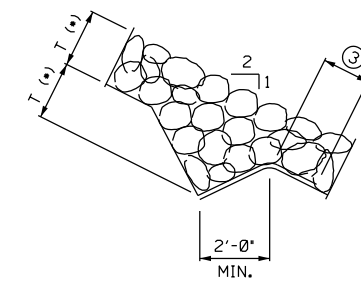
SECTION A-A
(WITHOUT PASSAGE BENCH)



SECTION C-C

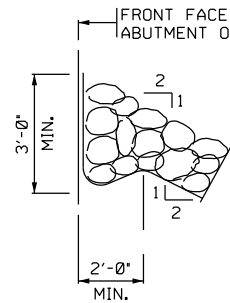


SECTION B-B

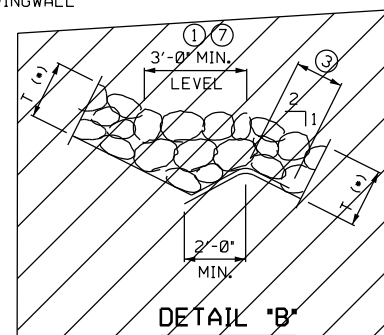


DETAIL 'D'

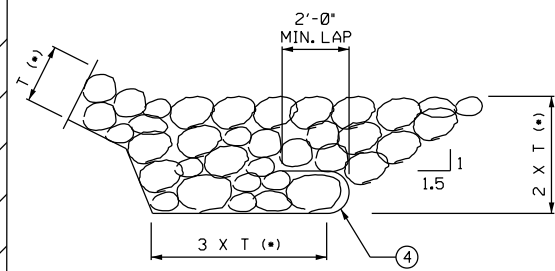
* DIMENSION T
CLASS III = 1'-6"
CLASS IV = 2'-0"
CLASS V = 2'-6"



DETAIL 'A'



DETAIL 'B'



DETAIL 'C'

REVISED: 01-05-2017
APPROVED: MAY 24, 2011
Nancy Dubenberger
STATE BRIDGE ENGINEER

MODIFICATION NOTE:
REMOVED NOTE
REQUIRED PASSAGE
BENCH TO BE LEVEL

NO	DATE	BY	CHK.	REVISIONS



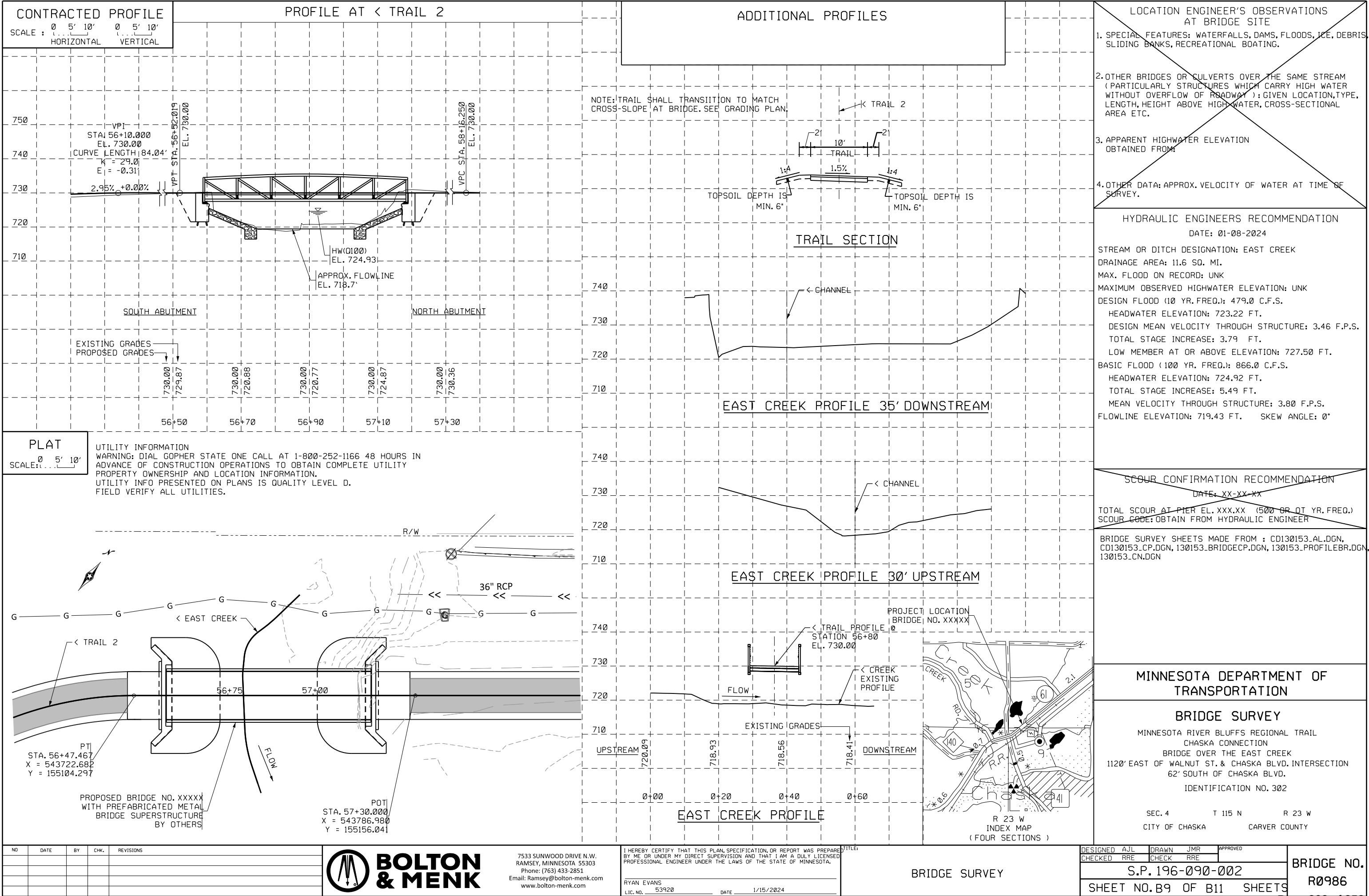
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RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

MISCELLANEOUS DETAILS

MODIFIED			FIG. 5-397.309		
DESIGNED AJL	DRAWN AJL	APPROVED	BRIDGE NO. R0986		
CHECKED RRE	CHECK RRE				
S.P. 196-090-002					
SHEET NO. B8 OF B11			SHEETS		

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LOCATION ENGINEER'S OBSERVATIONS AT BRIDGE SITE

1. SPECIAL FEATURES: WATERFALLS, DAMS, FLOODS, ICE, DEBRIS, SLIDING BANKS, RECREATIONAL BOATING.

2. OTHER BRIDGES OR CULVERTS OVER THE SAME STREAM (PARTICULARLY STRUCTURES WHICH CARRY HIGH WATER WITHOUT OVERFLOW OF ROADWAY): GIVEN LOCATION, TYPE, LENGTH, HEIGHT ABOVE HIGH WATER, CROSS-SECTIONAL AREA ETC.

3. APPARENT HIGHWATER ELEVATION OBTAINED FROM:

4. OTHER DATA: APPROX. VELOCITY OF WATER AT TIME OF SURVEY.

HYDRAULIC ENGINEERS RECOMMENDATION

DATE: 01-08-2024

STREAM OR DITCH DESIGNATION: EAST CREEK
DRAINAGE AREA: 11.6 SQ. MI.
MAX. FLOOD ON RECORD: UNK
MAXIMUM OBSERVED HIGHWATER ELEVATION: UNK
DESIGN FLOOD (10 YR. FREQ.): 479.0 C.F.S.
HEADWATER ELEVATION: 723.22 FT.
DESIGN MEAN VELOCITY THROUGH STRUCTURE: 3.46 F.P.S.
TOTAL STAGE INCREASE: 3.79 FT.
LOW MEMBER AT OR ABOVE ELEVATION: 727.50 FT.
BASIC FLOOD (100 YR. FREQ.): 866.0 C.F.S.
HEADWATER ELEVATION: 724.92 FT.
TOTAL STAGE INCREASE: 5.49 FT.
MEAN VELOCITY THROUGH STRUCTURE: 3.80 F.P.S.
FLOWLINE ELEVATION: 719.43 FT. SKEW ANGLE: 0°

SCOUR CONFIRMATION RECOMMENDATION

DATE: XX-XX-XX

TOTAL SCOUR AT PIER EL. XXX.XX (500 OR 0T YR. FREQ.)
SCOUR CODE: OBTAIN FROM HYDRAULIC ENGINEER

BRIDGE SURVEY SHEETS MADE FROM : CD130153.AL.DGN, CD130153.CP.DGN, 130153.BRIDGECP.DGN, 130153.PROFILEBR.DGN, 130153.CN.DGN

MINNESOTA DEPARTMENT OF TRANSPORTATION

BRIDGE SURVEY

MINNESOTA RIVER BLUFFS REGIONAL TRAIL
CHASKA CONNECTION
BRIDGE OVER THE EAST CREEK
1120' EAST OF WALNUT ST. & CHASKA BLVD. INTERSECTION
62' SOUTH OF CHASKA BLVD.
IDENTIFICATION NO. 302

SEC. 4 T 115 N R 23 W
CITY OF CHASKA CARVER COUNTY

DESIGNED AJL CHECKED RRE DRAWN JMR CHECK RRE APPROVED

S.P. 196-090-002

SHEET NO. B9 OF B11 SHEETS

BRIDGE NO. R0986

BRIDGE SURVEY

RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

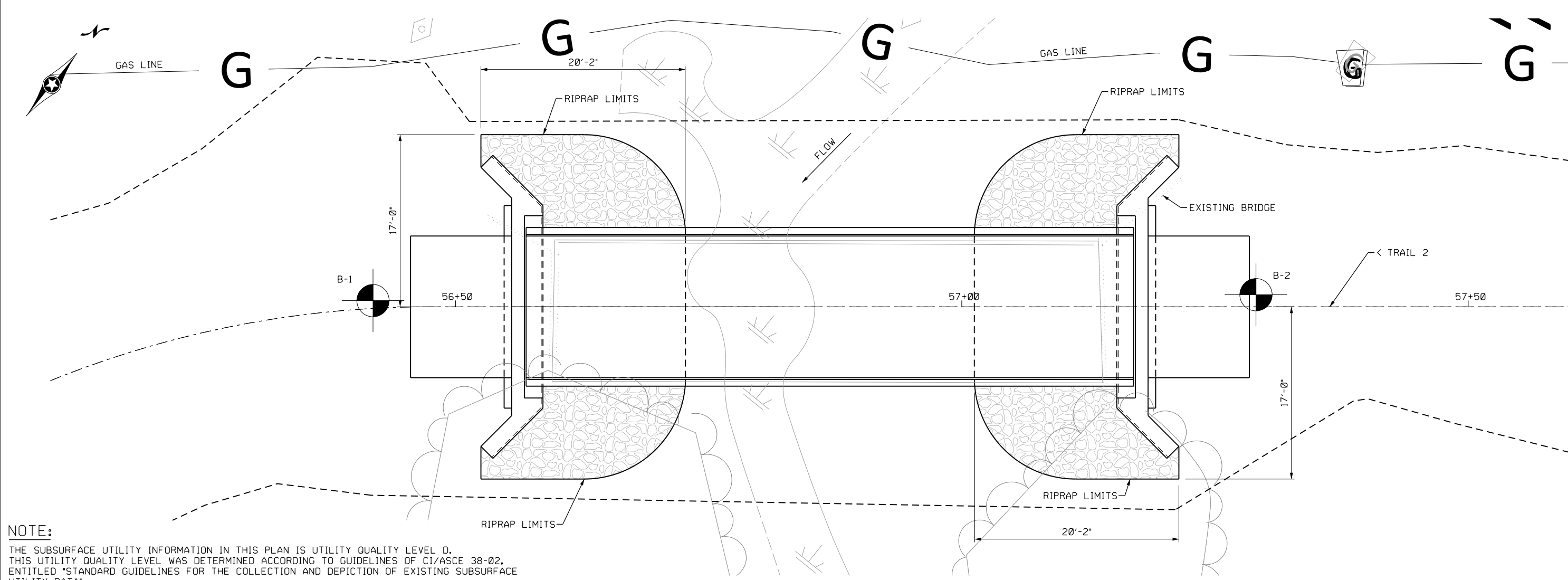
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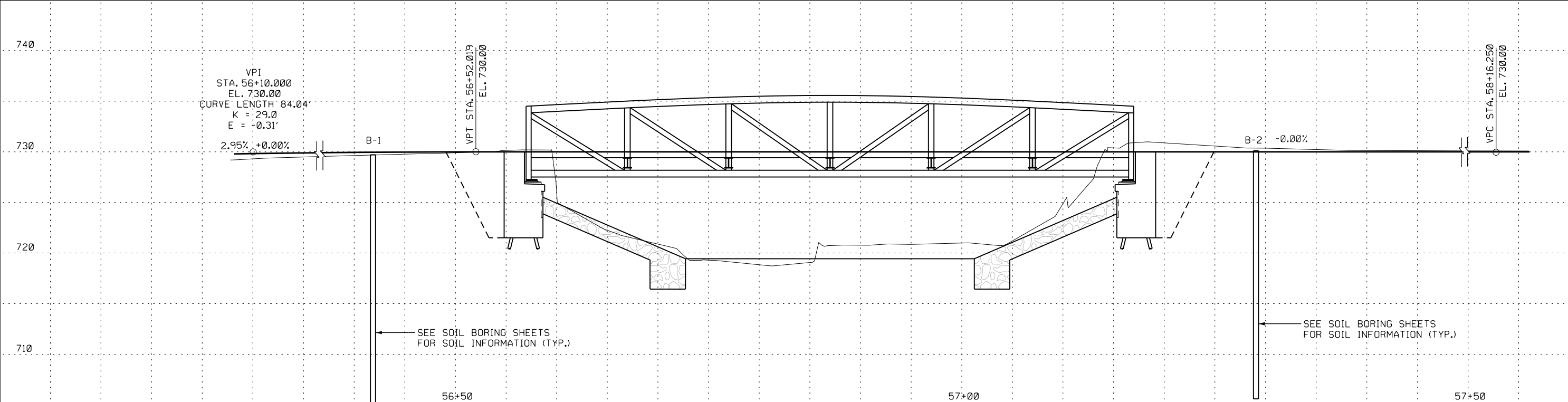
BRIDGE SURVEY

BRIDGE NO. R0986

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



NO	DATE	BY	CHK.	REVISIONS



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RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

BRIDGE SURVEY
PLAN AND PROFILE

DESIGNED	AJL	DRAWN	JMR	APPROVED
CHECKED	RRE	CHECK	RRE	
S.P. 196-090-002				
SHEET NO. B10 OF B11 SHEETS				

BRIDGE NO.
R0986

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LOG OF BORING

Project Number B2303758					BORING: B-1				
Geotechnical & Environmental Evaluation City of Chaska Circle the Brick Trail Connection Between MN River Bluffs Trail and SW Regional Trail Chaska, Minnesota					LOCATION: See attached sketch				
					DATUM: NAD 1983 HARN Adj MN Carver (US Feet)				
					NORTHING: 155104	EASTING: 543722			
DRILLER: C. Gorman		LOGGED BY: K. Zalec		START DATE: 05/03/23		END DATE: 05/03/23			
SURFACE ELEVATION: 729.7 ft		RIG: 7506		METHOD: 3 1/4" HSA		SURFACING: Soil WEATHER: Sunny			
Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)			Sample	Blows (N-Value) Recovery	PID ppm	MC %	Tests or Remarks
		FILL: POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, little Gravel, light brown, moist					0.4		
						5-7-7 (14) 16"	0.7		
					5	5-7-8 (15) 16"	0.9		
722.7									
7.0		PEAT (PT), black, moist (SWAMP DEPOSIT)				3-2-3 (5) 15"	0.5	109	OC=28%
720.7									
9.0		SILTY CLAY (CL-ML), gray, moist, very loose (ALLUVIUM)			10	1-1-2 (3) 15"	0.9	23	LL=26, PL=20, PI=6
717.7									
12.0		POORLY GRADED SAND (SP), fine to medium-grained, gray, wet, loose to dense (ALLUVIUM)				1-2-5 (7) 16"	0.7		Soil sample B-1 (9.5-11') @ 13:30 collected for GRO, DRO, VOCs, PAHs, and 8 RCRA metals
					15	40-17-18 (35) 18"	0.4		Water sample B-1 @ 14:00 collected for GRO, DRO, VOCs, PAHs, and 8 RCRA metals
					20	3-4-5 (9) 13"	1.2		
						12-16-17 (33) 18"	0.8		
705.2									
24.5		END OF BORING			25				Water observed at 12.0 feet while drilling.
		Boring then grouted							Water observed at 13.8 feet at end of drilling.

B2303758

Braun Intertec Corporation

Print Date:08/31/2023

B-1 page 1 of 1



LOG OF BORING

Project Number B2303758					BORING: B-2				
Geotechnical & Environmental Evaluation					LOCATION: See attached sketch				
City of Chaska Circle the Brick Trail Connection					DATUM: NAD 1983 HARN Adj MN Carver (US Feet)				
Between MN River Bluffs Trail and SW Regional Trail					NORTHING: 155154		EASTING: 543787		
Chaska, Minnesota					START DATE: 05/03/23		END DATE: 05/03/23		
DRILLER: C. Gorman		LOGGED BY: K. Zalec			SURFACING: Soil		WEATHER: Sunny		
SURFACE ELEVATION: 730.1 ft		RIG: 7506		METHOD: 3 1/4" HSA					
Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)			Sample	Blows (N-Value) Recovery	PID ppm	MC %	Tests or Remarks
726.1	4.0	FILL: SILTY SAND (SM), fine to coarse-grained, with Gravel, brown, moist			5	6-6-7 (13) 12"	1.9	1.0	
723.1	7.0	FILL: SANDY LEAN CLAY (CL), little Gravel, brown, moist			5	3-4-5 (9) 18"	0.9		
718.1	12.0	PEAT (PT), black, moist, organic odor (SWAMP DEPOSIT)			5	2-2-3 (5) 15"	1.1		
716.1	14.0	With a lens of Sandy Silt at 10 feet			10	2-2-2 (4) 16"	1.3	82	OC=16%
708.1	22.0	SILTY SAND (SM), fine to medium-grained, gray, wet, medium dense (ALLUVIUM)			15	7-7-8 (15) 16"	0.7		
705.6	24.5	POORLY GRADED SAND with SILT (SP-SM), fine to medium-grained, little Gravel, gray, wet, loose (ALLUVIUM)			15	2-3-4 (7) 14"	1.9		
					20	2-3-5 (8) 16"	2.1		
		SILT (ML), gray, moist, loose (GLACIOFLUVIUM)			25	4-4-5 (9) 18"	1.3		
		END OF BORING							Water observed at 12.5 feet while drilling.
		Boring then grouted							

B2303758

Braun Intertec Corporation

Print Date:08/31/2023

B-2 page 1 of 1

NO	DATE	BY	CHK.	REVISIONS



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RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

SOIL BORING LOGS

DESIGNED: AJL	DRAWN: JMR	APPROVED:
CHECKED: RRE	CHECK: RRE	
S.P. 196-090-002		
SHEET NO. B11 OF B11 SHEETS		

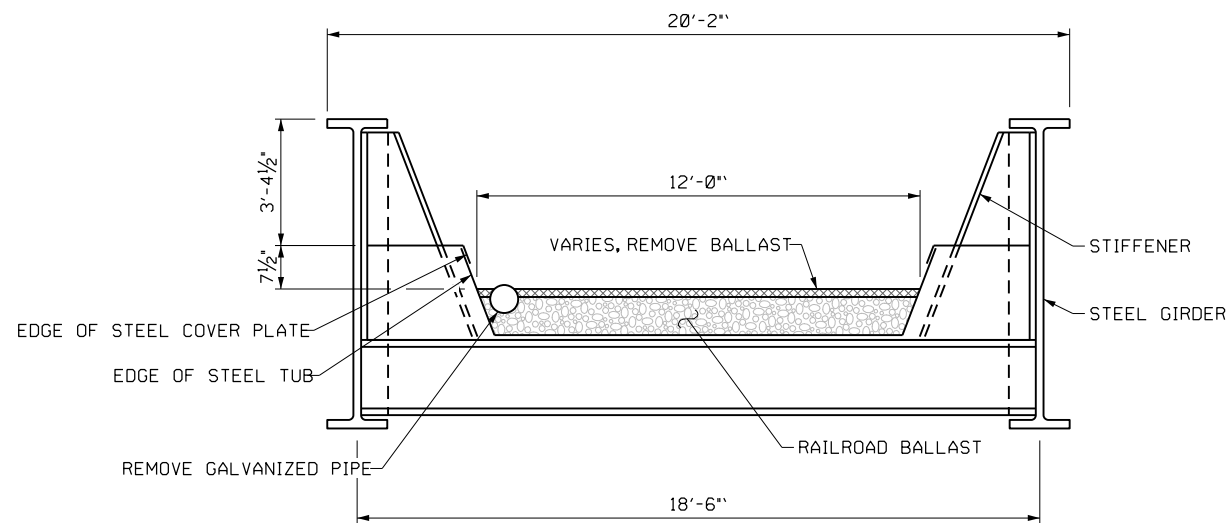
BRIDGE NO.
R0986



STATEMENT OF ESTIMATED QUANTITIES - BRIDGE ONLY			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
2104.503	SAWING BITUMINOUS PAVEMENT	LIN FT	34
2211.507	AGGREGATE BASE (CV) CLASS 5	CU YD	6
2360.509	TYPE SP 9.5 WEARING COURSE MIX (2.C)	TON	16
2403.603	TIMBER RAILING	LIN FT	129

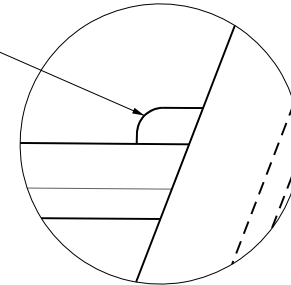
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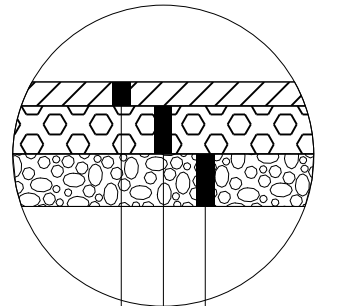


EXISTING GENERAL BRIDGE SECTION
THROUGH PLATE GIRDER BRIDGE

BITUMINOUS CURB TACK COAT
IS REQUIRED IF CURB IS NOT
INSTALLED WITHIN 48 HOURS
AFTER PLACEMENT OF WEARING
COURSE

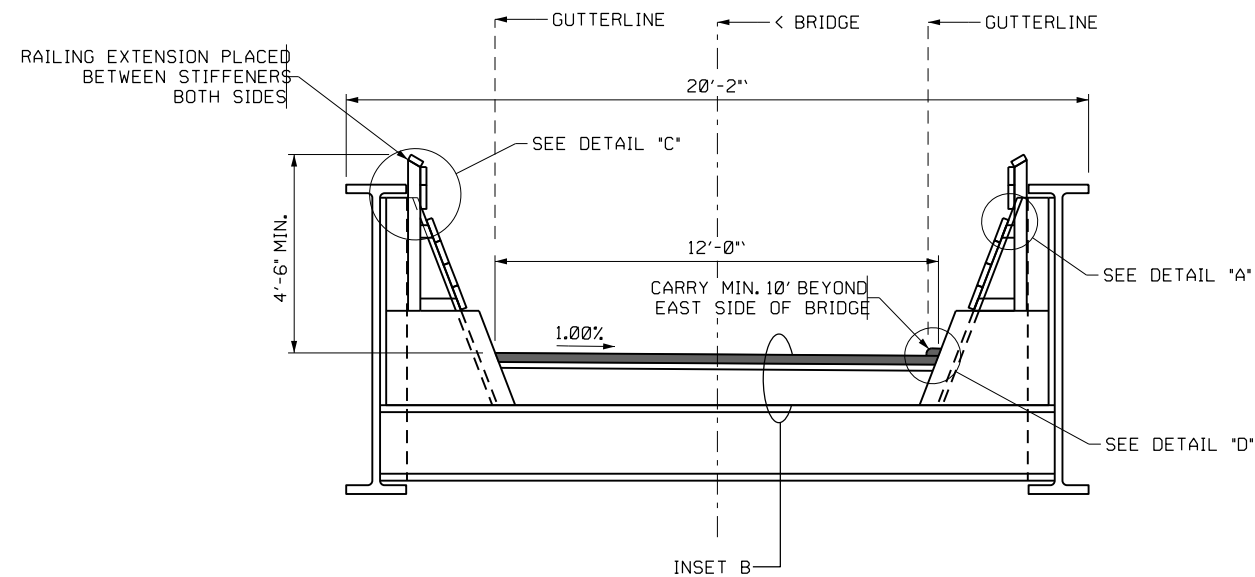


DETAIL "D"

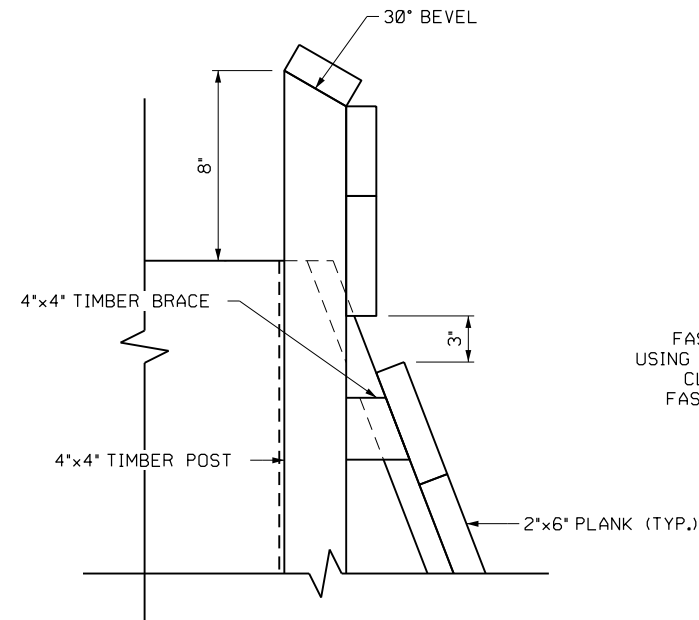


NOTE: SUBGRADE PREP IS INCIDENTAL.

INSET B

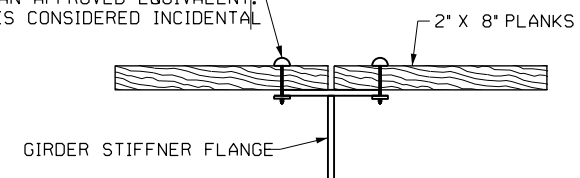


PROPOSED GENERAL BRIDGE SECTION
THROUGH PLATE GIRDER BRIDGE



DETAIL "C"

FASTEN TIMBER PLANKS TO GIRDER STIFFENER
USING GALVANIZED PAN-HEADED BOLTS TO FLANGE
CLIP BRACKET, OR AN APPROVED EQUIVALENT.
FASTENING SYSTEM IS CONSIDERED INCIDENTAL



DETAIL "A"

NO	DATE	BY	CHK.	REVISIONS



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RYAN EVANS
LIC. NO. 53920 DATE 1/15/2024

TRANSVERSE SECTION

DESIGNED AJL	DRAWN JMR	APPROVED
CHECKED RRE	CHECK RRE	
S.P. 196-090-002		
SHEET NO. B2 OF B2 SHEETS		

BRIDGE NO.

REQUEST FOR ACTION CHASKA CITY COUNCIL FEBRUARY 26, 2024

Subject: Letter Regarding the Missing Middle Housing bill HF 4009 and SF 3964

Prepared By: Nate Kabat, Community Development Director

Background

This memo is to inform you about a draft bill that is being circulated at the State Legislature for consideration called the "Missing Middle Housing bill". The bill has been formally introduced to the Senate as SF 3964 (Mitchell) and to the House as HF 4009 (Kraft).

As Council is aware, Chaska has a longstanding goal to achieve a diverse mix of housing that is affordable to all levels of income with 1/3 affordable to lower incomes, 1/3 affordable to middle incomes, and 1/3 affordable to higher income households. Chaska also has a longstanding history of actively supporting this goal by implementing a myriad of locally initiated strategies to develop diverse neighborhoods and financially support housing affordable to lower income households using TIF, the community land trust, density bonuses and other strategies. With all of that, the title of this bill would appear to align with Chaska's goals and actions. However, the details of the bill propose several changes to statute that conflict with existing City ordinances, result in detrimental budgetary impacts, and erode Council's local decision-making authority.

The Missing Middle Housing bill as currently drafted, falls short of policy that supports state-local partnership for residential development. Instead, the bill as written replaces existing zoning and land use authorities with an overly broad and rigid framework that eliminates the ability for cities to account for nuances and respond to local conditions. In addition to the overall breadth of the preemptive nature of the policy proposed in the bill, numerous provisions in the proposed legislation pose serious practical questions for how city operations would function under the bill and either lack clarity or directly conflict with existing statute.

The attached letter details specific examples within the proposed bill that result in an undue preemption of local zoning and development control.

This bill has many similarities to the "Legalize Affordable Housing Act" introduced by Rep. Elkins in the 2023 legislative session for which City Council provided a letter of opposition.

For these reasons, staff is recommending that Council consider authorizing the Mayor to sign and submit the attached letter to the legislators whose districts represent the City of Chaska.

CITY COUNCIL ACTION REQUESTED

Motion authorizing the Mayor to sign a letter in opposition to the Missing Middle Housing bill HF 4009 and SF 3964 and submit to Senator Coleman, Representative Steve Nash, and Representative Lucy Rehm.



City of Chaska
One City Hall Plaza, Chaska, MN 55318

February 26, 2024

To: Senator Julia Coleman
Representative Steve Nash
Representative Lucy Rehm

Re: Opposition to the Missing Middle Housing bill HF 4009 and SF 3964

On behalf of the Chaska Mayor and City Council, and in coordination with the Municipal Legislative Commission of the League of Minnesota Cities we write asking for you to oppose **HF 4009 (Kraft) and SF 3964 (Mitchell), the Missing Middle Housing bill.**

We are deeply concerned with provisions in the bill that broadly preempt city zoning and land use authorities, remove public input in the residential development process, ignore long range local comprehensive plans and lack consideration for how cities utilize zoning and land use to ensure the health safety and welfare for residents and scale infrastructure to support new housing density.

Chaska has a longstanding goal to achieve a diverse mix of housing that is affordable to all levels of income with 1/3 affordable to lower incomes, 1/3 affordable to middle incomes, and 1/3 affordable to higher income households. Chaska also has a longstanding history of actively supporting this goal by implementing a myriad of locally initiated strategies to develop diverse neighborhoods and financially support housing affordable to lower income households using TIF, the community land trust, density bonuses and other strategies. With all of that, the title of this bill would appear to align with Chaska's goals and actions. However, the details of the bill propose several changes to statute that conflict with existing City ordinances, result in detrimental budgetary impacts, and erode Council's local decision-making authority.

The Missing Middle Housing bill as currently drafted, falls short of policy that supports state-local partnership for residential development. Instead, the bill as written replaces existing zoning and land use authorities with an overly broad and rigid framework that eliminates the ability for cities to account for nuances and respond to local conditions. In addition to the overall breadth of the preemptive nature of the policy proposed in the bill, numerous provisions in the proposed legislation pose serious practical questions for how city operations would function under the bill and either lack clarity or directly conflict with existing statute including:

- Section 1 of the bill creates minimum levels for density on all residential lots, which would force cities like Chaska to accept between two and eight residential units on any residential lot regardless of its size, water and sewer infrastructure capacity, or other state and federal requirements including stormwater management, fire and EMS access, and other standards.
- The bill does not consider overall lack of public infrastructure capacity, but forces cities to accept additional density without any consideration for how re-sizing infrastructure will be paid for to support the additional density, which will ultimately be borne by existing residents.
- Both Section 1 of the Missing Middle Housing bill and the DE amendment mandate new administrative review requirements that eliminate a resident's ability to voice concerns over material impacts a project would have on their property by eliminating all public hearing requirements for most residential development projects.

- Section 1 of the bill requires cities without a major transit stop to identify a commercial district in the city where high density development must be accepted despite most cities in Minnesota having neither and in hundreds of cities would result in allowing higher density multifamily buildings on all lots despite being well beyond the capacity of most greater Minnesota cities.

- The bill as amended by the DE amendment would force a city to accept by right up to a 150-foot multifamily building in certain areas of a city on any parcel even if that parcel was next to a single-family owner-occupied home without adequate ability to ensure reasonable setbacks for fire and safety.

- Section 1 of the bill also creates an exhaustive list for city zoning and land use authority, which leaves out significant life safety and public, health, safety, and welfare considerations that are included in longstanding city zoning and land use authority including emergency services access, fire safety, public infrastructure capacity, utility access, etc. The exhaustive list in the Missing Middle Housing bill, which includes height restrictions, appear to directly contradict provisions in the DE amendment that prohibit restrictions on height.

- The bill, in limiting minimum parking requirements while requiring higher density, could result in developers underbuilding parking resulting in spillover onto city streets that were not designed to accommodate dense on street parking. Chaska has experienced success in working with developers to define parking needs based on site context and intended use. Removing discretion would remove our ability to be flexible.

- The bill also includes contradictions within the bill itself including references that missing middle housing must be “compatible in scale, form, and character” with other housing while also broadly eliminating the ability for cities to impose those standards with the preemption of architectural design standards in section 2, which is overly broad and subjective.

Special interest groups may claim these bills would enhance new home affordability and result in the construction of more affordable starter homes. Given the market realities of supply and demand and forces outside city control, it is a misleading narrative. If it were true, objective data would show that market forces could be thwarted and that the proposed changes would result smaller more modest developments and an automatic reduction in the sales price of a new home. As the data does not exist, the proposed provisions are asking us, legislators, cities and taxpayers to trade-off the elimination of longstanding local decision-making authority in exchange for an unrealized hope or possibility of enhancing affordability.

The City of Chaska is committed to growth and affordable development and appreciates the relationship we have with our builders. The City of Chaska stands ready to work with the stakeholders involved to develop comprehensive statewide policy and resources that incentivizes change at the local level and provides for community-specific solutions to housing challenges rather than the heavy-handed approach in HF 4009 and SF 3964. We respectfully ask that you support a broader dialogue to inform local support for affordable housing development and oppose HF 4009 (Kraft) and SF 3964 (Mitchell).

We would look forward to the opportunity of speaking directly with you on the importance of opposing this bill in person or providing testimony should this bill receive a hearing.

Sincerely,

Mark Windschitl
Mayor, City of Chaska

CLAIMS ROSTER REPORT

FOR COUNCIL MEETING:

February 26, 2024

Paid and Unpaid Invoices:

Check #'s 350282-350462

\$1,525,182.78

Paid Electronic Invoices:

Wire #'s 4038-4051

\$3,091,157.30

Amount for Approval-Council Meeting:

February 26, 2024

\$4,616,340.08

City of Chaska

VENDOR INVOICE LIST

Checks

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111836	A & R CONCRETE LLC									
1053		02/14/2024	022724	350311	20,527.00	20,527.00	03/14/2024	INV	PD	TEMP FIRE ST 2.5 CONCR
CHECK DATE:	02/27/2024									
107858	ABDO EICK AND MEYERS LLP									
483225		01/31/2024	022724	350312	2,500.00	2,500.00	02/29/2024	INV	PD	SUBMISSION OF 1099'S F
CHECK DATE:	02/27/2024									
100028	ACME ELECTRIC MOTOR INC									
12403817		02/12/2024	022724	350313	1,019.99	1,019.99	03/12/2024	INV	PD	TEMP FIRE ST AIR COMPR
CHECK DATE:	02/27/2024									
106208	ATHLACTION HOLDINGS LLC									
CB2023DEC_007		01/31/2024	022724	350314	285.00	285.00	03/06/2024	INV	PD	Dec ActiveNet Chargeba
CHECK DATE:	02/27/2024									
103825	ACUSHNET COMPANY									
300531586		02/12/2024	022724	350315	-952.00	-952.00	03/12/2024	CRM	PD	RESALE CREDIT-SHOE RET
CHECK DATE:	02/27/2024									
917168830		01/25/2024	022724	350315	-4,556.20	-4,556.20	03/31/2024	CRM	PD	RESALE CREDIT-BALL PRO
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917211868		02/05/2024	022724	350315	1,755.76	1,755.76	06/04/2024	INV	PD	RESALE
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917242271		02/09/2024	022724	350315	784.18	784.18	06/08/2024	INV	PD	RESALE
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Program ID: apinvlist

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VENDOR INVOICE LIST

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	CHECK DATE: 02/27/2024									
100843	AH HERMEL CANDY & TOBACCO CO									
1008978		02/08/2024	022724	350317	177.00	177.00	03/08/2024	INV	PD	WATER FOR FD
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106739	ALL AMERICAN PRESSURE WASHERS MFG INC									
20076		02/02/2024	022724	350318	145.00	145.00	03/02/2024	INV	PD	PRESSURE WASHER TANK,
	CHECK DATE: 02/27/2024									
108061	ERNST ENTERPRISES INC									
123325		11/02/2023	022724	350319	44,845.00	44,845.00	03/02/2024	INV	PD	LOOP MAINTENANCE IMPRO
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6228		02/01/2024	022724	350319	41,250.00	41,250.00	03/01/2024	INV	PD	New roof over Zamboni
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100073	AMARIL UNIFORM CO				86,095.00					
IV256188		01/31/2024	022724	350320	2,302.37	2,302.37	02/29/2024	INV	PD	J. STORMS-FR CLOTHING
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100089	AMERICAN PRESSURE INC									
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	CHECK DATE: 02/27/2024									
139647		02/05/2024	022724	350321	194.90	194.90	03/05/2024	INV	PD	CALCIUM DESCALER FOR P
	CHECK DATE: 02/27/2024									
100122	ARAMARK REFRESHMENT SERVICES				744.35					
8341882		01/30/2024	022724	350322	81.14	81.14	02/29/2024	INV	PD	COFFEE FOR CITY HALL
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111297	THE MANITOWOC COMPANY INC									
SW0026983-1		02/05/2024	022724	350323	10,981.00	10,981.00	03/05/2024	INV	PD	#202 PLOW SET-UP

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327214		01/29/2024	022724	350324	153.70	153.70	02/28/2024	INV	PD	DUTY UNIFORM-PAYNE
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327337		01/31/2024	022724	350324	170.85	170.85	03/01/2024	INV	PD	DUTY UNIFORM-SCHMIDT
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327338		01/31/2024	022724	350324	70.98	70.98	03/01/2024	INV	PD	DUTY UNIFORM-JOHNSON
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327339		01/31/2024	022724	350324	308.71	308.71	03/01/2024	INV	PD	DUTY UNIFORM-TREBIATOW
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328063		02/14/2024	022724	350324	51.00	51.00	03/15/2024	INV	PD	DUTY UNIFORM-CODY
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328064		02/14/2024	022724	350324	105.34	105.34	03/15/2024	INV	PD	DUTY UNIFORM-TARMAN
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328065		02/14/2024	022724	350324	212.85	212.85	03/15/2024	INV	PD	DUTY UNIFORM-KRAUS
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328066		02/14/2024	022724	350324	25.50	25.50	03/15/2024	INV	PD	DUTY UNIFORM-TARMAN
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328067		02/14/2024	022724	350324	74.84	74.84	03/15/2024	INV	PD	DUTY UNIFORM-APELT
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328068		02/14/2024	022724	350324	188.05	188.05	03/15/2024	INV	PD	DUTY UNIFORM-FEHRENBAC
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328069		02/14/2024	022724	350324	139.64	139.64	03/15/2024	INV	PD	DUTY UNIFORM-ANDERSON
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					1,655.16					
111812 BELIAVSKII, SERGEI										
37500		02/02/2024	022724	350325	78.69	78.69	03/02/2024	INV	PD	METER DEPOSIT REFUND-3
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105387 BENJAMIN BUS INC										
123239		02/13/2024	022724	350326	262.50	262.50	02/13/2024	INV	PD	Treks & Trails Bus for
CHECK DATE: 02/27/2024										

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VENDOR INVOICE LIST

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102279 BOLTON & MENK INC										
0328664		01/18/2024	022724	350328	105,304.90	105,304.90	02/29/2024	INV	PD	TH 41 & CSAH 61 IMPROV
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100214 BORDER STATES INDUSTRIES INC										
927786277	230103	02/01/2024	022724	350329	66,132.51	66,132.51	03/25/2024	INV	PD	SW CAB EATON 10-T 3PHS
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927786282	230104	02/01/2024	022724	350329	66,132.51	66,132.51	03/25/2024	INV	PD	SW CAB EATON 10-T 3PHS
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927786290	240053	02/01/2024	022724	350329	611.66	611.66	03/25/2024	INV	PD	ELBW STDOFF DE RECPTCL
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110572 BRIGHTLY SOFTWARE INC										
INV-234603		02/02/2024	022724	350330	28,273.93	28,273.93	03/03/2024	INV	PD	SMARTGOV ANNUAL SUBSCR
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100302 CARVER COUNTY										
3340		02/05/2024	022724	350331	1,025.00	1,025.00	03/06/2024	INV	PD	PAY 2024 SA FEES
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100314 CARVER COUNTY IS/GIS DEPT										
INTINV-479		02/14/2024	022724	350332	15,921.50	15,921.50	03/14/2024	INV	PD	ESRI GIS LICENSE ~ 2 Y
CHECK DATE: 02/27/2024										
100323 CDW GOVERNMENT INC										
PG03899		01/24/2024	022724	350333	162.32	162.32	02/23/2024	INV	PD	LOGITECH WRLS COMBOS-I
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PG19608		01/25/2024	022724	350333	217.25	217.25	02/24/2024	INV	PD	CHARGE STAND-IT
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PJ56025		01/31/2024	022724	350333	2,488.56	2,488.56	03/01/2024	INV	PD	2 HP DESKTOP PCS-LOOP
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PK37407		02/01/2024	022724	350333	574.62	574.62	03/02/2024	INV	PD	IT MERAKI ACCESS POINT

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VENDOR INVOICE LIST

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105010300/JAN24		02/02/2024	022224	350304	5,525.67	5,525.67	03/01/2024	INV	PD	JAN 3210 CHASKA BLVD G
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109045922/JAN24		02/05/2024	022224	350304	14,078.93	14,078.93	03/04/2024	INV	PD	JAN 1661 PARK RIDGE DR
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109052076/JAN24		02/05/2024	022224	350304	7,698.23	7,698.23	03/04/2024	INV	PD	JAN 1611 PARK RIDGE DR
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120012646/JAN24		02/05/2024	022224	350304	96.54	96.54	03/04/2024	INV	PD	JAN LOOP CLUBHOUSE GAS
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120164413/JAN24		02/05/2024	022224	350304	271.10	271.10	03/04/2024	INV	PD	JAN LOOP MAINT GAS SVC
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120564141/JAN24		02/05/2024	022224	350304	21.62	21.62	03/04/2024	INV	PD	JAN 1599 OAK CREEK PAS
CHECK DATE: 02/22/2024										
64030791582/JAN24		02/02/2024	020924	350289	112.62	112.62	03/01/2024	INV	PD	JAN 216 W 4TH ST GAS S
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64030828871/JAN24		02/02/2024	022224	350304	150.81	150.81	03/01/2024	INV	PD	JAN 423 N WALNUT ST GA
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80000146268/JAN24		02/13/2024	022224	350304	6,937.29	6,937.29	03/11/2024	INV	PD	JAN GAS SVC
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80000167793/JAN24		02/13/2024	022224	350304	59.85	59.85	03/11/2024	INV	PD	JAN CITY PKS GAS SVC
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80000167843/JAN24		02/13/2024	022224	350304	5,521.45	5,521.45	03/11/2024	INV	PD	JAN GAS SVC
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					40,474.11					
100337 QWEST CORPORATION										
313249294/FEB24		02/11/2024	022224	350305	57.63	57.63	03/08/2024	INV	PD	FEB TC MAINT LOC PHN S
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313408124/FEB24		02/11/2024	022224	350305	69.16	69.16	03/08/2024	INV	PD	FEB TC MAINT LOC PHN S
CHECK DATE: 02/22/2024										
313773369/FEB24		02/01/2024	022224	350305	77.56	77.56	02/26/2024	INV	PD	FEB CCC BURGLAR ALARM
CHECK DATE: 02/22/2024										
676009841		02/01/2024	020624-2	350283	351.75	351.75	03/02/2024	INV	PD	FEB SIP PHONE BILL
CHECK DATE: 02/06/2024										

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 User: 8482mrob
 Program ID: apinvlst

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VENDOR INVOICE LIST

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					1,406.20					
100374 CHANHASSEN, CITY OF										
2023-10/23-10/31		01/31/2024	022724	350334	916.42	916.42	02/29/2024	INV	PD	Traffic Signal-Bluff C
CHECK DATE: 02/27/2024										
111213 CHASKA COMMONS LLC										
FEB 2024 UNIT 3		02/07/2024	020924	350290	1,475.00	1,475.00	02/15/2024	INV	PD	Feb Rent-Unit 3 210 Ch
CHECK DATE: 02/09/2024										
100418 CLEARSOFT INC										
172-338		02/01/2024	020924	350291	75.00	75.00	02/27/2024	INV	PD	FEB FD WATER SOFTENER
CHECK DATE: 02/09/2024										
100419 CLOVER CONDOMINIUM ASSOCIATION										
498838-27	240006	02/15/2024	022224	350306	1,208.55	1,208.55	02/29/2024	INV	PD	MAR COMMUNITY ROOM DUE
CHECK DATE: 02/22/2024										
111572 CLUB PROPHET SOFTWARE LLC										
INV2010124		02/01/2024	022724	350335	794.00	794.00	02/11/2024	INV	PD	FEB TC/LOOP SOFTWARE
CHECK DATE: 02/27/2024										
111222 CNH ARCHITECTS LTD										
3064		01/31/2024	022724	350336	83,667.82	83,667.82	03/09/2024	INV	PD	Public Safety Facility
CHECK DATE: 02/27/2024										
100768 CODE 4 SERVICES INC										
9243		02/05/2024	022724	350337	4,185.42	4,185.42	03/06/2024	INV	PD	Squad 1231 - Upfitting
CHECK DATE: 02/27/2024										
100436 COMCAST CORPORATION										
0036243/FEB24-TC		02/07/2024	022224	350307	254.71	254.71	03/03/2024	INV	PD	FEB CLUBHOUSE CABLE
CHECK DATE: 02/22/2024										
123255		02/09/2024	022224	350307	80.38	80.38	03/05/2024	INV	PD	Feb PD Cable
CHECK DATE: 02/22/2024										

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 Program ID: apinvlst

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VENDOR INVOICE LIST

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95887-0-1		02/16/2024	022724	350338	225.00	225.00	02/26/2024	INV	PD		Monitor Arm, workrite,
CHECK DATE: 02/27/2024											
95887-0-2		02/16/2024	022724	350338	1,717.71	1,717.71	02/26/2024	INV	PD		Switchback, extended 1
CHECK DATE: 02/27/2024											
					1,942.71						
105466 COMPUTER INTEGRATION TECHNOLOGIES INC											
368340		02/15/2024	022724	350339	5,991.60	5,991.60	03/16/2024	INV	PD		FEB OFFICE 365 AGREEME
CHECK DATE: 02/27/2024											
107686 CONCENTRA HEALTH SERVICES INC											
103912960		01/10/2024	020924	350292	193.00	193.00	02/22/2024	INV	PD		PRE-PLACEMENT PHYSICAL
CHECK DATE: 02/09/2024											
111811 CONDE, YVONNE											
36930		02/02/2024	022724	350340	26.62	26.62	03/02/2024	INV	PD		METER DEPOSIT REFUND-1
CHECK DATE: 02/27/2024											
111834 CONSERVICE											
10013745		02/13/2024	022724	350341	20.51	20.51	03/13/2024	INV	PD		OVERPYMT REFUNDED-800
CHECK DATE: 02/27/2024											
10013754		02/13/2024	022724	350341	33.10	33.10	03/13/2024	INV	PD		OVERPYMT REFUNDED-800
CHECK DATE: 02/27/2024											
10013810		02/13/2024	022724	350341	31.56	31.56	03/13/2024	INV	PD		OVERPYMT REFUNDED-800
CHECK DATE: 02/27/2024											
					85.17						
106301 CORE AND MAIN LP											
U334694	240057	02/07/2024	022724	350342	952.03	952.03	03/07/2024	INV	PD		INVENTORY-SLEEVES AND
CHECK DATE: 02/27/2024											
U342698		02/07/2024	022724	350342	129.70	129.70	03/07/2024	INV	PD		ROUND TOOL
CHECK DATE: 02/27/2024											
U344874	240058	02/08/2024	022724	350342	328.02	328.02	03/08/2024	INV	PD		INVENTORY-CLAMP
CHECK DATE: 02/27/2024											

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
107485 CROWN COLLEGE					1,409.75					
EMTI 40 CHECK DATE: 02/27/2024		02/02/2024	022724	350343	650.00	650.00	02/23/2024	INV	PD	FF MEDICAL TRAINING-EM
100479 CULLIGAN-METRO BROOKLYN PARK										
114-01594506-5 JAN24 CHECK DATE: 02/22/2024		01/31/2024	022224	350308	187.57	187.57	02/18/2024	INV	PD	COOLER RENT & WATER-TC
110412 IMPERIAL BAG AND PAPER CO LLC										
4192742 CHECK DATE: 02/27/2024		02/06/2024	022724	350344	415.16	415.16	03/07/2024	INV	PD	Cleaning Supplies
102550 DECKER, KYLE										
123288 CHECK DATE: 02/27/2024		02/04/2024	022724	350345	197.52	197.52	03/09/2024	INV	PD	Mileage-Fire Officer s
105629 DICKS SANITATION SERVICE INC										
10021357T460 CHECK DATE: 02/27/2024		01/01/2024	022724	350346	432.91	432.91	02/15/2024	INV	PD	DEC LOOP CONSTRUCTION
9899289T460 CHECK DATE: 02/27/2024		12/01/2023	022724	350346	898.46	898.46	02/15/2024	INV	PD	NOV LOOP CONSTRUCTION
100901 INDEPENDENT SCHOOL DISTRICT 112					1,331.37					
2022 CHECK DATE: 02/27/2024		02/08/2024	022724	350347	1,351.92	1,351.92	02/29/2024	INV	PD	Refund Q4 2022 overcha
102657 ENERGY MANAGEMENT SOLUTIONS INC										
10789 CHECK DATE: 02/27/2024		02/01/2024	022724	350348	8,946.20	8,946.20	03/07/2024	INV	PD	FEBRUARY RETAINER FEE
104192 ENVIRONMENTAL EQUIPMENT & SERVICES INC										
23626 CHECK DATE: 02/27/2024		01/30/2024	022724	350349	1,284.45	1,284.45	02/29/2024	INV	PD	#144 CURTAIN, TUBE & B
23636 CHECK DATE: 02/27/2024		02/01/2023	022724	350349	715.00	715.00	03/01/2023	INV	PD	#144 TUBE CLAMPS AND H

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
23647		02/02/2024	022724	350349	42.63	42.63	03/02/2024	INV	PD		#144 EXTRA CLAMPS
CHECK DATE: 02/27/2024											
100625 EUREKA CONSTRUCTION INC					2,042.08						
53290150-15		02/13/2024	022724	350350	59,399.81	59,399.81	03/16/2024	INV	PD		CREEK RD UTILITY & ST
CHECK DATE: 02/27/2024											
110158 BDH2 MARSHALL LLC											
2333107		01/26/2024	022724	350351	298.71	298.71	02/26/2024	INV	PD		T. ANDERSON-TRANSFORME
CHECK DATE: 02/27/2024											
2333116		01/26/2024	022724	350351	298.71	298.71	02/26/2024	INV	PD		N. EBERT-TRANSFORMER S
CHECK DATE: 02/27/2024											
2333121		01/26/2024	022724	350351	298.71	298.71	02/26/2024	INV	PD		T. JENSEN-TRANSFORMER
CHECK DATE: 02/27/2024											
105728 FIDELITY SECURITY LIFE INSURANCE COMPANY					896.13						
166148656		01/22/2024	020624-2	350284	758.11	758.11	02/22/2024	INV	PD		FEB EMP INS PREM-VISIO
CHECK DATE: 02/06/2024											
100653 FERGUSON ENTERPRISES INC											
9658021		01/26/2024	022724	350352	8.60	8.60	02/26/2024	INV	PD		LOOP MAINTENANCE
CHECK DATE: 02/27/2024											
9684473		02/05/2024	022724	350352	37.25	37.25	03/05/2024	INV	PD		PLB PARTS FOR ARENA PA
CHECK DATE: 02/27/2024											
9708744		02/12/2024	022724	350352	65.29	65.29	03/12/2024	INV	PD		TC CLUBHOUSE WATER SOF
CHECK DATE: 02/27/2024											
100655 FERRELLGAS 7780961					111.14						
1125494936		01/10/2024	022724	350353	101.58	101.58	02/10/2024	INV	PD		PROPANE
CHECK DATE: 02/27/2024											
100684 FORNER, TOM											
123090		02/02/2024	022724	350354	55.21	55.21	03/02/2024	INV	PD		MILEAGE-INSPECTIONS W/
CHECK DATE: 02/27/2024											

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
100693 FS3 INC										
87135		02/02/2024	022724	350355	5,107.74	5,107.74	03/03/2024	INV	PD	REAMERS FOR BORE RIG
CHECK DATE: 02/27/2024										
87137		02/02/2024	022724	350355	16,330.00	16,330.00	03/02/2024	INV	PD	#T34 NEW REEL TRAILER
CHECK DATE: 02/27/2024										
					21,437.74					
111114 GAREIS, CHRIS										
123289		02/04/2024	022724	350356	194.10	194.10	03/09/2024	INV	PD	Mileage-Fire Officer S
CHECK DATE: 02/27/2024										
110270 GARTNER REFRIGERATION INC										
12450730		01/24/2024	022724	350357	3,385.29	3,385.29	02/24/2024	INV	PD	compressor repair-Cur1
CHECK DATE: 02/27/2024										
100744 GOODIN COMPANY										
1164964-00		01/24/2024	022724	350358	154.79	154.79	02/24/2024	INV	PD	LOOP MAINTENANCE AIR L
CHECK DATE: 02/27/2024										
2605068-00		01/24/2024	022724	350358	226.84	226.84	02/24/2024	INV	PD	LOOP MAINTENANCE AIR L
CHECK DATE: 02/27/2024										
					381.63					
101463 GOPHER STATE ONE CALL										
4010285		01/31/2024	022724	350359	234.95	234.95	02/29/2024	INV	PD	JANUARY LOCATES, ANNUA
CHECK DATE: 02/27/2024										
100759 WW GRAINGER INC										
9006153275		02/01/2024	022724	350360	14.55	14.55	03/02/2024	INV	PD	MCKNIGHT PARK-LOCK PAR
CHECK DATE: 02/27/2024										
9007209746		02/02/2024	022724	350360	74.71	74.71	03/03/2024	INV	PD	#328 SIREN PEDAL
CHECK DATE: 02/27/2024										
9975818205		01/25/2024	022724	350360	101.25	101.25	02/24/2024	INV	PD	LOOP MAINTENANCE
CHECK DATE: 02/27/2024										
					190.51					
111808 GREGG, JOSIE										
39304		02/02/2024	022724	350361	100.00	100.00	03/02/2024	INV	PD	METER DEPOSIT REFUND-1

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 02/27/2024										
100782 GS DIRECT INC										
375579		02/05/2024	022724	350362	240.00	240.00	03/05/2024	INV	PD	PLOTTER REPAIR
CHECK DATE: 02/27/2024										
106216 ROSHE 2 INCORPORATED										
2501-FEB		02/01/2024	022724	350363	3,153.50	3,153.50	03/02/2024	INV	PD	FEB CURL/EVENT CTR CLE
CHECK DATE: 02/27/2024										
2501-JAN		02/01/2024	022724	350363	1,897.00	1,897.00	03/02/2024	INV	PD	JAN CURL/EVENT CTR CLE
CHECK DATE: 02/27/2024										
					5,050.50					
100810 HAWKINS INC										
6678743		01/31/2024	022724	350364	6,087.66	6,087.66	03/16/2024	INV	PD	WTP CHEMICALS
CHECK DATE: 02/27/2024										
100848 HIGH TECH CLEANING INC										
19675		02/01/2024	022724	350365	3,294.00	3,294.00	03/01/2024	INV	PD	CITY HALL-CLEANING
CHECK DATE: 02/27/2024										
19676		02/01/2024	022724	350365	520.00	520.00	03/01/2024	INV	PD	CLOVER RIDGE COMMUNITY
CHECK DATE: 02/27/2024										
19677		02/01/2024	022724	350365	1,593.00	1,593.00	03/01/2024	INV	PD	FIRE STATION-CLEANING
CHECK DATE: 02/27/2024										
19678		02/01/2024	022724	350365	1,215.00	1,215.00	03/01/2024	INV	PD	HISTORY CENTER-CLEANIN
CHECK DATE: 02/27/2024										
19679-DEC		02/01/2024	022724	350365	636.88	636.88	03/01/2024	INV	PD	IT DEPT CLEANING CORRE
CHECK DATE: 02/27/2024										
19679-FEB		02/01/2024	022724	350365	485.72	485.72	03/01/2024	INV	PD	IT DEPARTMENT-CLEANING
CHECK DATE: 02/27/2024										
19679-JAN		02/01/2024	022724	350365	-352.78	-352.78	03/01/2024	CRM	PD	IT DEPT CLEANING CORRE
CHECK DATE: 02/27/2024										
19680		02/01/2024	022724	350365	2,525.96	2,525.96	03/01/2024	INV	PD	MSB-CLEANING
CHECK DATE: 02/27/2024										
19681		02/01/2024	022724	350365	185.00	185.00	03/01/2024	INV	PD	STANTEC ENGINEERING-CL
CHECK DATE: 02/27/2024										
19682		02/01/2024	022724	350365	575.00	575.00	03/01/2024	INV	PD	WTP-CLEANING

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 02/27/2024										
109031 DAWN D HOTALING					10,677.78					
067355		02/06/2024	022724	350366	261.24	261.24	03/06/2024	INV	PD	NAMETAGS
CHECK DATE: 02/27/2024										
111047 THOMAS H HIPPS										
123269		02/14/2024	022724	350367	150.00	150.00	03/14/2024	INV	PD	entertainment for Lodg
CHECK DATE: 02/27/2024										
100859 HOISINGTON KOEGLER GROUP INC										
022-046-17		02/15/2024	022724	350368	4,458.65	4,458.65	03/15/2024	INV	PD	CITY SQUARE PARK RENOV
CHECK DATE: 02/27/2024										
023-068-1		02/15/2024	022724	350368	787.50	787.50	03/15/2024	INV	PD	ZONING CODE PHASE 1
CHECK DATE: 02/27/2024										
100872 HORNUNGS GOLF PRODUCTS INC					5,246.15					
535955		01/30/2024	022724	350369	185.20	185.20	03/14/2024	INV	PD	TC CART TAGS
CHECK DATE: 02/27/2024										
100878 HUEBSCH										
84176/JAN2024		01/31/2024	022724	350370	1,210.16	1,210.16	02/10/2024	INV	PD	JAN RUG/MAT SVC
CHECK DATE: 02/27/2024										
100879 PRAIRIE TECHNOLOGIES INC OF MN										
240151		01/31/2024	022724	350371	3,446.15	3,446.15	02/29/2024	INV	PD	Annual CCC Bldg Automa
CHECK DATE: 02/27/2024										
108162 HYDRO-DESIGNS INC										
0076083-IN		01/31/2024	022724	350372	856.00	856.00	02/29/2024	INV	PD	RPZ MANAGEMENT SERVICE
CHECK DATE: 02/27/2024										
100889 INTERNATIONAL CITY MGMT ASSN RETIREMENT CORP										
2024/0209-ICMA		02/09/2024	020924	350293	5,001.36	5,001.36	02/09/2024	INV	PD	020924 Payroll - 457 &
CHECK DATE: 02/09/2024										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
104751 IMPACT MAILING OF MINNESOTA INC										
210039		02/16/2024	022724	350373	731.01	731.01	03/16/2024	INV	PD	Feb Disconnects
CHECK DATE: 02/27/2024										
210040		02/16/2024	022724	350373	561.66	561.66	03/16/2024	INV	PD	Feb Finals
CHECK DATE: 02/27/2024										
					1,292.67					
111841 INTIME SERVICES INC/ENTIME SERVICES INC										
12454		12/31/2023	022724	350374	3,000.00	3,000.00	03/15/2024	INV	PD	PD Scheduling Software
CHECK DATE: 02/27/2024										
110528 INVOICE CLOUD INC										
3052-2024_1		01/31/2024	022724	350375	10,342.33	10,342.33	02/29/2024	INV	PD	Jan UB Payment Process
CHECK DATE: 02/27/2024										
111814 FLOOR STORE INC										
X53384		02/01/2024	022724	350376	4,890.00	4,890.00	03/01/2024	INV	PD	LOOP-CLUB & MAINT FLOO
CHECK DATE: 02/27/2024										
102031 TYCO FIRE & SECURITY (US) MANAGEMENT INC										
23936679		01/24/2024	022724	350377	272.69	272.69	02/24/2024	INV	PD	WTP SPRINKLER TEST & I
CHECK DATE: 02/27/2024										
51606716		01/26/2024	022724	350377	454.00	454.00	02/26/2024	INV	PD	COMPRESSOR INSTALL CHE
CHECK DATE: 02/27/2024										
					726.69					
108948 AUDRANN INC										
1462422		02/09/2024	022724	350378	38.59	38.59	03/09/2024	INV	PD	AHU BELTS-CITY HALL
CHECK DATE: 02/27/2024										
1462422-01		02/12/2024	022724	350378	243.64	243.64	03/12/2024	INV	PD	HVAC BELTS-CITY HALL
CHECK DATE: 02/27/2024										
1462788		02/13/2024	022724	350378	111.12	111.12	03/29/2024	INV	PD	IGNITOR FOR WATER HEAT
CHECK DATE: 02/27/2024										
					393.35					
100984 KELLIN, JOHN										
123286		01/26/2024	022724	350379	120.00	120.00	03/13/2024	INV	PD	MSP Parking-PGA show i

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 02/27/2024										
100992 KEYS WELL DRILLING COMPANY										
2023135		01/31/2024	022724	350380	11,206.25	11,206.25	03/02/2024	INV	PD	HIGH SERVICE PUMP #1 M
CHECK DATE: 02/27/2024										
WELL 5-3/FINAL		02/09/2024	022724	350380	6,332.27	6,332.27	03/09/2024	INV	PD	WELL 5 MAINTENANCE
CHECK DATE: 02/27/2024										
					17,538.52					
111838 KOCH, ALEX										
123287		02/01/2024	022724	350381	46.30	46.30	03/13/2024	INV	PD	Mileage-Class-The Art
CHECK DATE: 02/27/2024										
123293		02/06/2024	022724	350381	46.58	46.58	03/06/2024	INV	PD	Reimb-Cleaning Supplie
CHECK DATE: 02/27/2024										
					92.88					
101022 KUSSKE CONSTRUCTION COMPANY LLC										
53390100-4		02/06/2024	022724	350382	11,235.41	11,235.41	03/06/2024	INV	PD	CREEK RD UTILITY & ST/
CHECK DATE: 02/27/2024										
111815 KVAM, BRIANNA										
2013642.002		02/05/2024	022724	350383	50.00	50.00	03/05/2024	INV	PD	RFD-VALENTINES DAY MOS
CHECK DATE: 02/27/2024										
					PAYEE: KVAM, BRIANNA					
110236 LANDMARK BUILDERS INC										
123357		02/21/2024	022724	350384	5,000.00	5,000.00	03/21/2024	INV	PD	RFD ESCROW FOR 502 MAP
CHECK DATE: 02/27/2024										
101043 LANO EQUIPMENT INC										
01-1050994		01/09/2024	022724	350385	2,000.00	2,000.00	02/09/2024	INV	PD	SNOW RENTAL-ANGLE BROO
CHECK DATE: 02/27/2024										
01-1054710		01/31/2024	022724	350385	125.24	125.24	02/29/2024	INV	PD	#502 FUEL SENSOR
CHECK DATE: 02/27/2024										
01-1055170		02/02/2024	022724	350385	2,570.00	2,570.00	03/02/2024	INV	PD	#279 NEW ANGLE BROOM
CHECK DATE: 02/27/2024										
					4,695.24					
101050 LAW ENFORCEMENT LABOR SERVICES INC										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
Feb-24 CHECK DATE: 02/09/2024		02/09/2024	020924	350294	1,974.00	1,974.00	02/09/2024	INV	PD	Feb-24 Police Union Du
111816 LEE, JONATHAN										
80219205-2024-1 CHECK DATE: 02/27/2024		02/02/2024	022724	350386	2,500.00	2,500.00	03/02/2024	INV	PD	JAN REBATE-SOLAR PANEL PAYEE: LEE, JONATHAN
101097 LOCATORS & SUPPLIES INC										
0312204-IN CHECK DATE: 02/27/2024		02/02/2024	022724	350387	629.46	629.46	03/02/2024	INV	PD	RETRACTABLE CONE BAR
110118 LOCKRIDGE GRINDAL NAUEN PLLP										
42284 CHECK DATE: 02/27/2024		02/01/2024	022724	350388	3,333.33	3,333.33	03/01/2024	INV	PD	FEB LOBBYIST FOR CITY
105139 LUBE TECH AND PARTNERS LLC										
3420241 CHECK DATE: 02/27/2024		02/10/2024	022724	350389	156.19	156.19	03/11/2024	INV	PD	GREASE FOR EQUIPMENT
105710 MACQUEEN EMERGENCY GROUP										
P25772 CHECK DATE: 02/27/2024		02/15/2024	022724	350390	57,769.70	57,769.70	03/15/2024	INV	PD	FIRE FIGHTER GEAR (11)
101124 MACQUEEN EQUIPMENT										
P55363 CHECK DATE: 02/27/2024		02/02/2024	022724	350391	137.70	137.70	03/02/2024	INV	PD	#142 SPRAY NOZZLE TIPS
P55469 CHECK DATE: 02/27/2024		02/07/2024	022724	350391	210.38	210.38	03/07/2024	INV	PD	LINEAR GUN-MAINTENANCE
P55487 CHECK DATE: 02/27/2024		02/08/2024	022724	350391	142.67	142.67	03/08/2024	INV	PD	#921 PARKING BRAKE SWI
101177 METROPOLITAN AREA MANAGEMENT ASSOC					490.75					
1846 CHECK DATE: 02/27/2024		01/12/2024	022724	350392	37.50	37.50	03/05/2024	INV	PD	Luncheon - Elise Durbi
103176 MANSFIELD OIL COMPANY										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
25091474 CHECK DATE: 02/27/2024		02/19/2024	022724	350393	2,946.49	2,946.49	03/20/2024	INV	PD	COLDFLOW FOR DYED DIES
25091475 CHECK DATE: 02/27/2024		02/19/2024	022724	350393	6,307.17	6,307.17	03/20/2024	INV	PD	DYED DIESEL
25091476 CHECK DATE: 02/27/2024		02/19/2024	022724	350393	11,382.83	11,382.83	03/20/2024	INV	PD	UNLEADED FUEL
					20,636.49					
101183 METROPOLITAN COUNCIL										
JAN 2024 SAC CHECK DATE: 02/27/2024		01/31/2024	022724	350394	22,141.35	22,141.35	02/29/2024	INV	PD	JAN SAC CHARGES
101182 METROPOLITAN COUNCIL										
0001167843 CHECK DATE: 02/27/2024		02/01/2024	022724	350395	327,505.84	327,505.84	03/01/2024	INV	PD	MAR SEWER SERVICES FOR
101187 METRO SALES INC										
INV2459422 CHECK DATE: 02/27/2024		02/05/2024	022724	350396	163.00	163.00	03/06/2024	INV	PD	Contract Invoice
INV2460051 CHECK DATE: 02/27/2024		02/05/2024	022724	350396	24.28	24.28	03/06/2024	INV	PD	RICOH COPIER
INV2463810 CHECK DATE: 02/27/2024		02/12/2024	022724	350396	172.48	172.48	03/13/2024	INV	PD	RICOH COPIER-CURLING/E
INV2463811 CHECK DATE: 02/27/2024		02/12/2024	022724	350396	147.88	147.88	03/13/2024	INV	PD	FD COLOR COPIER
INV2466901 CHECK DATE: 02/27/2024		02/16/2024	022724	350396	50.00	50.00	03/17/2024	INV	PD	Staples Refill for Pri
					557.64					
105998 MILBANK WINWATER WORKS										
189028 03 CHECK DATE: 02/27/2024	240054	01/05/2024	022724	350397	8,812.54	8,812.54	03/02/2024	INV	PD	INVENTORY-MINODES
101217 MINNESOTA CHILD SUPPORT PMT CTR										
PR0209240014462992 CHECK DATE: 02/09/2024		02/09/2024	020924	350296	68.08	68.08	02/09/2024	INV	PD	020924 Payroll - Child
PR0209240015806598		02/09/2024	020924	350295	461.46	461.46	02/09/2024	INV	PD	020924 Payroll - Child

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 02/09/2024										
101226 MINNESOTA DEPARTMENT OF NATURAL RESOURCES					529.54					
1997-6061-2024		02/06/2024	020924	350297	2,101.46	2,101.46	02/15/2024	INV	PD	WATER PERMIT TC-BASED
CHECK DATE: 02/09/2024										
101216 MINNESOTA FIRE SERVICE CERTIFICATION BOARD										
12169		01/21/2024	022724	350398	357.00	357.00	03/16/2024	INV	PD	FF TRAINING FOR ROOKIE
CHECK DATE: 02/27/2024										
101303 MN TEAMSTER PUBLIC AND LAW ENFORCEMENT										
Feb-24		02/09/2024	020924	350298	5,173.00	5,173.00	02/09/2024	INV	PD	Feb-24 Local #320 Unio
CHECK DATE: 02/09/2024										
101276 MINNESOTA VALLEY ELECTRIC COOPERATIVE										
107050711/JAN24		01/22/2024	020624-2	350285	1,245.69	1,245.69	02/22/2024	INV	PD	JAN ST LITES-TOWN COUR
CHECK DATE: 02/06/2024										
778377500/JAN24		02/07/2024	022224	350309	61.47	61.47	03/02/2024	INV	PD	JAN 12500 CTY RD 11 SI
CHECK DATE: 02/22/2024										
778377800/JAN24		02/07/2024	022224	350309	41.23	41.23	03/02/2024	INV	PD	JAN 4250 ENGLER BLVD S
CHECK DATE: 02/22/2024										
778377900/JAN24		02/07/2024	022224	350309	48.29	48.29	03/02/2024	INV	PD	JAN 4100 ENGLER BLVD S
CHECK DATE: 02/22/2024										
781385500/JAN24		02/07/2024	022224	350309	15.66	15.66	03/02/2024	INV	PD	JAN 4463 CTY RD 44
CHECK DATE: 02/22/2024										
105308 MINNESOTA VALLEY UTILITY SERVICES LLC					1,412.34					
1358		12/31/2023	022724	350399	2,580.40	2,580.40	02/29/2024	INV	PD	MTHLY SUBSTATION MAINT
CHECK DATE: 02/27/2024										
1359		01/31/2024	022724	350399	2,080.40	2,080.40	03/01/2024	INV	PD	MTHLY SUBSTATION MAINT
CHECK DATE: 02/27/2024										
101341 MINNESOTA DEPT OF LABOR & INDUSTRY					4,660.80					
JANUARY0190352024		01/31/2024	022724	350400	2,462.62	2,462.62	02/29/2024	INV	PD	JAN PERMIT SURCHARGES
CHECK DATE: 02/27/2024										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
107078 MOBOTREX INC										
271802	240059	02/13/2024	022724	350401	317.42	317.42	03/13/2024	INV	PD	TRAFFIC LED GRN LAMPS
CHECK DATE: 02/27/2024										
105995 MONEY MOVERS INC										
163733		02/04/2024	022724	350402	19.00	19.00	03/04/2024	INV	PD	Jan NIHCA Health Ins R
CHECK DATE: 02/27/2024										
101354 MTI DISTRIBUTING INC #700767										
1417372-00		02/06/2024	022724	350403	116.47	116.47	03/06/2024	INV	PD	PARTS-BEARINGS, SEALS,
CHECK DATE: 02/27/2024										
1417548-00		02/07/2024	022724	350403	2,371.09	2,371.09	03/07/2024	INV	PD	BEDKNIVES
CHECK DATE: 02/27/2024										
100120 APPLIANCE SERVICE & SALES CTR INC					2,487.56					
5940A-C		02/01/2024	022724	350404	119.00	119.00	03/01/2024	INV	PD	Washer - Trip charge a
CHECK DATE: 02/27/2024										
101365 STAR GROUP LLC										
4472/JAN2024		01/31/2024	020624-2	350286	3,638.93	3,638.93	02/10/2024	INV	PD	JAN PARTS & SUPPLIES
CHECK DATE: 02/06/2024										
102654 NORTH AMERICAN SAFETY INC										
INV85199		02/05/2023	022724	350405	267.33	267.33	03/05/2024	INV	PD	C. WALLEY & L. MONTUFA
CHECK DATE: 02/27/2024										
INV85291		02/07/2024	022724	350405	13.00	13.00	03/07/2024	INV	PD	SAFETY CLOTHING-GLOVES
CHECK DATE: 02/27/2024										
INV85300		02/07/2023	022724	350405	66.00	66.00	03/07/2023	INV	PD	SAFETY GLASSES
CHECK DATE: 02/27/2024										
INV85404		02/12/2024	022724	350405	240.00	240.00	04/12/2024	INV	PD	SEASONAL SAFETY CLOTHI
CHECK DATE: 02/27/2024										
INV85405		02/12/2024	022724	350405	1,163.00	1,163.00	04/12/2024	INV	PD	SEASONAL SAFETY CLOTHI
CHECK DATE: 02/27/2024										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101425 NORTHERN SAFETY TECHNOLOGY INC					1,749.33					
57153		02/08/2024	022724	350406	1,176.34	1,176.34	03/09/2024	INV	PD	#90 & #93 LIGHTBARS
CHECK DATE: 02/27/2024										
101437 NUSS EQUIPMENT GROUP LLC										
PS0077757-1		02/09/2024	022724	350407	140.71	140.71	03/09/2024	INV	PD	#113 EXHAUST CLAMPS AN
CHECK DATE: 02/27/2024										
SW0019313-1		02/09/2024	022724	350407	1,717.23	1,717.23	03/09/2024	INV	PD	#115 DEF LEVEL QUALITY
CHECK DATE: 02/27/2024										
110570 ODP BUSINESS SOLUTIONS LLC					1,857.94					
354130053001		02/12/2024	022724	350408	202.05	202.05	03/15/2024	INV	PD	Printer Paper
CHECK DATE: 02/27/2024										
354131580001		02/09/2024	022724	350408	19.99	19.99	03/15/2024	INV	PD	Pads of Paper
CHECK DATE: 02/27/2024										
111819 OPEM, BEN					222.04					
123285		02/03/2024	022724	350409	4.15	4.15	03/09/2024	INV	PD	Mileage-Class-A Study
CHECK DATE: 02/27/2024										
104668 OPTUM BANK INC										
0001547496		01/16/2024	020924	350299	513.50	513.50	02/15/2024	INV	PD	4TH QTR HSA FEES
CHECK DATE: 02/09/2024										
109623 PER MAR SECURITY AND RESEARCH CORPORATION										
3263190		02/12/2024	022724	350410	157.50	157.50	03/03/2024	INV	PD	BLUFF CREEK SUB REPAIR
CHECK DATE: 02/27/2024										
101518 PETERSON, NATE										
123185		02/04/2024	022724	350411	195.77	195.77	03/04/2024	INV	PD	Mileage-Fire Officer S
CHECK DATE: 02/27/2024										
108000 DAKOTA CURLING SUPPLIES										
307990		01/29/2024	022724	350412	656.00	656.00	02/29/2024	INV	PD	Blades

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CHECK DATE: 02/27/2024										
101530 PING INC										
17354572		02/07/2024	022724	350413	35.62	35.62	04/08/2024	INV	PD	LOOP-ARTWORK SET-UP
CHECK DATE: 02/27/2024										
101543 PLUNKETTS PEST CONTROL INC										
8422455		02/07/2024	022724	350414	69.61	69.61	03/07/2024	INV	PD	FD-MONTHLY PEST CONTRO
CHECK DATE: 02/27/2024										
101557 POWER SYSTEM ENGINEERING INC										
9051275		02/01/2024	022724	350415	450.00	450.00	03/01/2024	INV	PD	MRS RTU REPLACEMENT -
CHECK DATE: 02/27/2024										
9051524		02/06/2024	022724	350415	3,172.50	3,172.50	03/06/2024	INV	PD	AMI CONSULTING ~ JAN
CHECK DATE: 02/27/2024										
9051651		02/14/2024	022724	350415	461.00	461.00	03/14/2024	INV	PD	MISC ENGINEERING FOR J
CHECK DATE: 02/27/2024										
101571 PREMIUM WATERS INC										
417080-01-24		01/31/2024	020924	350300	13.89	13.89	03/01/2024	INV	PD	CLUBHOUSE WATER
CHECK DATE: 02/09/2024										
107855 STAPLES INC										
36720468		01/17/2024	022724	350417	39.98	39.98	02/16/2024	INV	PD	11X17 COPY PAPER
CHECK DATE: 02/27/2024										
36903140		01/26/2024	022724	350417	15.59	15.59	02/25/2024	INV	PD	PAPER PADS
CHECK DATE: 02/27/2024										
36925363		01/29/2024	022724	350417	51.99	51.99	02/28/2024	INV	PD	FILE JACKETS
CHECK DATE: 02/27/2024										
37235602		02/15/2024	022724	350416	20.99	20.99	03/16/2024	INV	PD	8 1/2 X 11 green paper
CHECK DATE: 02/27/2024										
37235995		02/15/2024	022724	350416	16.99	16.99	03/16/2024	INV	PD	Orange Rubber bands fo
CHECK DATE: 02/27/2024										
37248837-1		02/15/2024	022724	350416	75.98	75.98	03/16/2024	INV	PD	Copy paper for workroo
CHECK DATE: 02/27/2024										
37248837-2		02/15/2024	022724	350416	13.59	13.59	03/16/2024	INV	PD	Post it's for workroom

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 02/27/2024										
101684 R & R SPECIALTIES OF WISCONSIN INC					235.11					
0081277-IN		02/01/2024	022724	350418	70.00	70.00	03/01/2024	INV	PD	Zam Blade Sharpening
CHECK DATE: 02/27/2024										
101616 RDO EQUIPMENT COMPANY										
P1191170		02/08/2024	022724	350419	122.57	122.57	03/08/2024	INV	PD	#710 PRESSURE WASHER P
CHECK DATE: 02/27/2024										
P1197270		02/12/2024	022724	350419	221.70	221.70	03/12/2024	INV	PD	#710 WASHER SYS VALVE
CHECK DATE: 02/27/2024										
101629 REIF, DAVE					344.27					
123016		01/24/2024	022724	350420	45.00	45.00	02/29/2024	INV	PD	REIMB-PKG FOR GREEN EX
CHECK DATE: 02/27/2024										
123292		02/12/2024	022724	350420	19.00	19.00	03/12/2024	INV	PD	License Renewal-Differ
CHECK DATE: 02/27/2024										
111810 RIJEVSKI, MAX					64.00					
36501		02/02/2024	022724	350421	24.75	24.75	03/02/2024	INV	PD	METER DEPOSIT REFUND-4
CHECK DATE: 02/27/2024										
103251 ROBERT THOMAS HOMES INC										
5125 BOULDER LN		02/07/2024	022724	350422	750.00	750.00	03/07/2024	INV	PD	BUILDER DEPOSIT REFUND
CHECK DATE: 02/27/2024										
111835 ROK BROTHERS INC										
INV210022		02/13/2024	022724	350423	2,014.93	2,014.93	03/14/2024	INV	PD	CRADLEPOINT YEARLY SUB
CHECK DATE: 02/27/2024										
111837 ROYAL SUPPLY INC										
5932		02/08/2024	022724	350424	3,433.00	3,433.00	03/08/2024	INV	PD	Equip
CHECK DATE: 02/27/2024										
100574 SAFETY SIGNS										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
23010956 CHECK DATE: 02/27/2024		10/31/2023	022724	350425	938.05	938.05	02/02/2024	INV	PD	TREE TRIMMING-LANE CLO
101703 SALVATION ARMY										
ADD NOV & DEC/23 HS CHECK DATE: 02/27/2024		02/20/2024	022724	350426	26.35	26.35	03/20/2024	INV	PD	ADDITIONAL HEAT SHARE
JAN/24 HS CHECK DATE: 02/27/2024		01/31/2024	022724	350426	123.65	123.65	02/29/2024	INV	PD	JAN HEAT SHARE CONTRIB
					150.00					
101738 SCHILLING SUPPLY COMPANY										
949563-00 CHECK DATE: 02/27/2024		01/31/2024	022724	350427	4,445.20	4,445.20	02/29/2024	INV	PD	Cleaning Supplies-CCC
950372-00 CHECK DATE: 02/27/2024		02/05/2024	022724	350427	1,452.94	1,452.94	03/05/2024	INV	PD	Cleaning Supplies-CCC
					5,898.14					
111409 SECURITAS TECHNOLOGY CORPORATION										
7001411042 CHECK DATE: 02/27/2024		01/24/2024	022724	350428	148.86	148.86	02/24/2024	INV	PD	B. BASKET MONITORING 2
7001411043 CHECK DATE: 02/27/2024		01/24/2024	022724	350428	202.89	202.89	02/24/2024	INV	PD	CITY HALL MONITORING 2
					351.75					
107602 SHAKOPEE MDEWAKANTON SIOUX COMMUNITY (SMSC)										
1878 CHECK DATE: 02/27/2024		12/31/2023	022724	350429	1,563.75	1,563.75	02/10/2024	INV	PD	SAVANNA OAKS PARK STUM
109947 SHELTERTECH CORPORATION										
13851-1 CHECK DATE: 02/27/2024		02/08/2024	022724	350430	1,335.00	1,335.00	03/08/2024	INV	PD	LEAD/ASBESTOS TESTING
111817 SHERMAN, JOEL										
50030311-2024-1 CHECK DATE: 02/27/2024		02/02/2024	022724	350431	1,450.00	1,450.00	03/02/2024	INV	PD	JAN REBATE-SOLAR PANEL
					PAYEE: SHERMAN, JOEL					
101775 THE SHERWIN-WILLIAMS COMPANY-CHANHASSEN										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
9573-9		02/10/2024	022724	350432	105.59		105.59	03/20/2024	INV	PD	Paint for accent wall
CHECK DATE: 02/27/2024											
104547 SITEONE LANDSCAPE SUPPLY HOLDING LLC											
137954975-001		02/01/2024	022724	350433	146.29		146.29	03/01/2024	INV	PD	GRIEP PARK REPAIR-LAND
CHECK DATE: 02/27/2024											
106596 SIWEK LUMBER JORDAN INC											
83096		02/02/2024	022724	350434	227.94		227.94	03/03/2024	INV	PD	TEMP FIRE STN 2.5-STRA
CHECK DATE: 02/27/2024											
83221		02/06/2024	022724	350434	921.95		921.95	03/06/2024	INV	PD	TEMP FIRE STN 2.5-LINE
CHECK DATE: 02/27/2024											
83279		02/07/2024	022724	350434	8,224.19		8,224.19	03/07/2024	INV	PD	TEMP FIRE DEPT 2.5-ROO
CHECK DATE: 02/27/2024											
83281		02/07/2024	022724	350434	4,940.04		4,940.04	03/07/2024	INV	PD	TEMP FIRE ST 2.0 & 2.5
CHECK DATE: 02/27/2024											
					14,314.12						
111839 SMITH, KYLE											
123291		02/01/2024	022724	350435	47.37		47.37	03/09/2024	INV	PD	Mileage-Class-The Art
CHECK DATE: 02/27/2024											
101828 SOUTHWEST NEWS MEDIA											
2197288		01/11/2024	020924	350301	145.08		145.08	02/20/2024	INV	PD	2024 SUMMARY BUDGET ST
CHECK DATE: 02/09/2024											
2197409		01/18/2024	020924	350301	717.34		717.34	02/20/2024	INV	PD	DEVELOPER FEES ORD AME
CHECK DATE: 02/09/2024											
2197659		01/25/2024	020924	350301	64.48		64.48	02/20/2024	INV	PD	SAP 121 HICKORY ST N
CHECK DATE: 02/09/2024											
					926.90						
101860 STANDARD SPRING PARTS											
403170		02/06/2024	022724	350436	327.05		327.05	03/06/2024	INV	PD	#110 REAR LEAF SPRING
CHECK DATE: 02/27/2024											
110200 STERICYCLE INC											
8006215849		02/18/2024	022724	350437	247.42		247.42	03/19/2024	INV	PD	January Shredding
CHECK DATE: 02/27/2024											

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101888 STREICHERS										
I1678915		01/26/2024	022724	350438	89.96	89.96	02/26/2024	INV	PD	Chaplain Uniform
CHECK DATE: 02/27/2024										
I1678968		01/29/2024	022724	350438	3,504.00	3,504.00	02/29/2024	INV	PD	Department Ammo
CHECK DATE: 02/27/2024										
I1679154		01/29/2024	022724	350438	199.50	199.50	02/29/2024	INV	PD	Patches - Mobile Field
CHECK DATE: 02/27/2024										
I1680088		02/02/2024	022724	350438	163.99	163.99	03/02/2024	INV	PD	Explorers Uniforms-Alt
CHECK DATE: 02/27/2024										
I1682335		02/15/2024	022724	350438	61.97	61.97	03/15/2024	INV	PD	Chaplain Uniform
CHECK DATE: 02/27/2024										
					4,019.42					
101892 STUART C IRBY CO										
S013868172.001	240055	02/02/2024	022724	350439	4,174.80	4,174.80	03/03/2024	INV	PD	COND 4/0 BARE,1/0 BARE
CHECK DATE: 02/27/2024										
S013876688.001		02/02/2024	022724	350439	692.00	692.00	03/03/2024	INV	PD	300 AMP FUSE DOOR
CHECK DATE: 02/27/2024										
					4,866.80					
111818 SUMMIT INSTALLATIONS										
B23-0647		02/08/2024	022724	350440	95.00	95.00	03/08/2024	INV	PD	RFD BLDG PERMIT-JOB CA
CHECK DATE: 02/27/2024						PAYEE: SUMMIT INSTALLATIONS LLC				
106152 TRAFFIC AND PARKING CONTROL CO, INC										
I771272		01/24/2024	022724	350441	5,318.72	5,318.72	02/24/2024	INV	PD	BLINKER STOP SIGN - EN
CHECK DATE: 02/27/2024										
101928 KEITH'S TARPS INC										
8031		02/01/2024	022724	350442	1,300.00	1,300.00	03/01/2024	INV	PD	2 TRUCK COVERS
CHECK DATE: 02/27/2024										
109940 THE HUNTINGTON NATIONAL BANK										
8740777		02/10/2024	022224	350310	284.93	284.93	03/03/2024	INV	PD	FD EQUIP LEASE PMT 57
CHECK DATE: 02/22/2024										

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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
110392	THE SUPERLATIVE GROUP INC									
14887	CHECK DATE: 02/27/2024	02/01/2024	022724	350443	3,000.00	3,000.00	03/02/2024	INV	PD	Naming Rights Consulti
104908	TIMESAVER OFF SITE SECRETARIAL INC									
M28878	CHECK DATE: 02/27/2024	01/30/2024	022724	350444	373.50	373.50	02/29/2024	INV	PD	MINUTES-COUNCIL 1/22,
101966	TK ELEVATOR CORPORATION									
3007713215	CHECK DATE: 02/27/2024	02/01/2024	022724	350445	325.50	325.50	03/01/2024	INV	PD	Feb CCC Elevator Servi
3007717094	CHECK DATE: 02/27/2024	02/01/2024	022724	350445	1,464.75	1,464.75	03/01/2024	INV	PD	CITY HALL/WTP ELEVATOR
					1,790.25					
111798	TOM KRAEMER INC									
8400	CHECK DATE: 02/27/2024	02/02/2024	022724	350446	6,600.00	6,600.00	03/02/2024	INV	PD	TEMP FIRE STATION CONT
8401	CHECK DATE: 02/27/2024	02/02/2024	022724	350446	6,600.00	6,600.00	03/02/2024	INV	PD	TEMP FIRE STATION CONT
					13,200.00					
110934	THE TORO COMPANY									
410161288	CHECK DATE: 02/27/2024	02/01/2024	022724	350447	166.00	166.00	02/29/2024	INV	PD	FEB NSN SUPPORT-LOOP I
107743	TRAFFIC CONTROL CORPORATION									
148953	CHECK DATE: 02/27/2024	02/02/2024	022724	350448	3,650.00	3,650.00	03/03/2024	INV	PD	41 & FIREMAN'S PARK SP
111813	TRANDAH, ABBY									
38284	CHECK DATE: 02/27/2024	02/02/2024	022724	350449	66.22	66.22	03/02/2024	INV	PD	METER DEPOSIT REFUND-9
103742	TRAVELERS INDEMNITY COMPANY									
2367D0070-2024	CHECK DATE: 02/27/2024	02/12/2024	022724	350450	166,676.00	166,676.00	03/01/2024	INV	PD	2024 Boiler & Machiner

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VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
102028 TWIN CITY WATER CLINIC INC										
20129		02/01/2024	022724	350451	510.00	510.00	03/02/2024	INV	PD	JANUARY WTP SAMPLES
CHECK DATE: 02/27/2024										
20162		02/06/2024	022724	350451	200.00	200.00	03/07/2024	INV	PD	FILTER #5 TESTING
CHECK DATE: 02/27/2024										
					710.00					
110053 TX CHILD SUPPORT SDU										
PR0209240012725283		02/09/2024	020924	350302	115.38	115.38	02/09/2024	INV	PD	020924 Payroll - Child
CHECK DATE: 02/09/2024										
102052 UNIQUE PAVING MATERIALS CORP										
78386		02/01/2024	022724	350452	421.20	421.20	03/01/2024	INV	PD	COLDMIX-POTHOLE PATCHI
CHECK DATE: 02/27/2024										
102064 US BANK										
7196001		01/25/2024	022724	350453	500.00	500.00	02/25/2024	INV	PD	2021A PAYING AGENT FEE
CHECK DATE: 02/27/2024										
7199287		01/25/2024	022724	350453	1,600.00	1,600.00	02/25/2024	INV	PD	EDA 2015C PAYING AGENT
CHECK DATE: 02/27/2024										
7199379		01/25/2024	022724	350453	1,600.00	1,600.00	02/25/2024	INV	PD	2015D TRUSTEE FEE
CHECK DATE: 02/27/2024										
					3,700.00					
104522 US FOODS INC										
5972182		02/16/2024	022724	350454	193.44	193.44	03/17/2024	INV	PD	JAN DISH MACHINE RENTA
CHECK DATE: 02/27/2024										
107687 UNIVERSAL PROTECTION SERVICE LP										
15299474		02/01/2024	022724	350455	178.29	178.29	03/01/2024	INV	PD	Event Ctr Security 1/2
CHECK DATE: 02/27/2024										
111158 HD SUPPLY INC										
INV00254383		01/23/2024	022724	350456	304.28	304.28	02/23/2024	INV	PD	PRESSURE REDUCING GAUG
CHECK DATE: 02/27/2024										
111809 VANDENBERGE, JOHN										

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VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
35448 CHECK DATE: 02/27/2024		02/02/2024	022724	350457	16.28		16.28	03/02/2024	INV	PD	METER DEPOSIT REFUND-4
110799 VERIZON CONNECT FLEET USA LLC											
613000051902 CHECK DATE: 02/06/2024		02/01/2024	020624-2	350287	279.20		279.20	03/02/2024	INV	PD	Data Processing - GPS
102102 VERIZON WIRELESS											
9954943367 CHECK DATE: 02/06/2024		01/23/2024	020624-2	350288	581.51		581.51	02/15/2024	INV	PD	JAN CRADLEPOINTS
102227 ONVOY LLC											
0009426240201 CHECK DATE: 02/09/2024		02/01/2024	020924	350303	406.00		406.00	02/25/2024	INV	PD	FEB EDU CTR INTERNET
0009486240201 CHECK DATE: 02/09/2024		02/01/2024	020924	350303	812.00		812.00	02/25/2024	INV	PD	FEB CITY HALL ETHERNET
					1,218.00						
102133 WAGNER PRESS & GRAPHICS											
37136 CHECK DATE: 02/27/2024		01/29/2024	022724	350458	224.15		224.15	02/28/2024	INV	PD	Recruitment Brochures
37174 CHECK DATE: 02/27/2024		02/14/2024	022724	350458	429.00		429.00	03/15/2024	INV	PD	Forms and Recruitment
					653.15						
111820 WEBB PALLET SERVICE CORPORATION											
WP020525 CHECK DATE: 02/27/2024		02/05/2024	022724	350459	200.00		200.00	03/05/2024	INV	PD	PLASTIC PALLETS-MSB
102189 WM MUELLER & SONS											
296711 CHECK DATE: 02/27/2024		01/30/2024	022724	350460	1,249.70		1,249.70	02/25/2024	INV	PD	TEMP FIRE ADMIN/SHED 2
296730 CHECK DATE: 02/27/2024		01/31/2024	022724	350460	342.28		342.28	02/25/2024	INV	PD	TEMP FIRE ADMIN/SHED 2
296748 CHECK DATE: 02/27/2024		02/01/2024	022724	350460	285.00		285.00	03/25/2024	INV	PD	VACTOR DUMPING
296803		02/06/2024	022724	350460	227.67		227.67	03/25/2024	INV	PD	TEMP FIRE STN 2.5-SAND

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VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 02/27/2024										
102220 XIGENT SOLUTIONS LLC					2,104.65					
13051		02/01/2024	022724	350461	13,914.69	13,914.69	03/02/2024	INV	PD	FEB SUPPORT SVC
CHECK DATE: 02/27/2024										
13052		02/01/2024	022724	350461	1,778.44	1,778.44	03/02/2024	INV	PD	FEB VULNERABILITY SVC
CHECK DATE: 02/27/2024										
102231 ZIEGLER INC					15,693.13					
IN001353592		02/06/2024	022724	350462	11,336.53	11,336.53	03/06/2024	INV	PD	GENERATOR MAINT SRV AG
CHECK DATE: 02/27/2024										
305 INVOICES					1,525,182.78					

** END OF REPORT - Generated by Michelle Robbin **

VENDOR INVOICE LIST

Electronic Payments

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
107490 GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY										
123136		02/09/2024	020924-2	4044	7,155.36	7,155.36	02/09/2024	DIR	PD	020924 Payroll - HCSP
CHECK DATE: 02/09/2024										
107744 GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY										
123137		02/09/2024	020924-2	4045	925.00	925.00	02/09/2024	DIR	PD	020924 Payroll - MNDP
CHECK DATE: 02/09/2024										
110382 ENTERPRISE FM TRUST										
FBN4958241		02/04/2024	022024-1	4050	14,035.87	14,035.87	02/20/2024	DIR	PD	FEB FLEET LEASES
CHECK DATE: 02/20/2024										
101756 MII LIFE INCORPORATED										
40880480-2024		02/06/2024	020924-3	4046	3,811.48	3,811.48	02/09/2024	DIR	PD	2024-2/7/24 FSA REIMB-
CHECK DATE: 02/09/2024										
40888807-2023		02/13/2024	021424-1	4047	901.37	901.37	02/14/2024	DIR	PD	2023-2/14/24 FSA REIMB
CHECK DATE: 02/14/2024										
40888807-2024		02/13/2024	021424-2	4048	955.68	955.68	02/14/2024	DIR	PD	2024-2/14/24 FSA REIMB
CHECK DATE: 02/14/2024										
					5,668.53					
100927 INTERNAL REVENUE SERVICE										
123130		02/09/2024	020924-2	4038	160,491.15	160,491.15	02/09/2024	DIR	PD	020924 Payroll - SS, M
CHECK DATE: 02/09/2024										
101343 MINNESOTA DEPT OF REVENUE-PAYROLL WIRES										
123131		02/09/2024	020924-2	4039	31,911.54	31,911.54	02/09/2024	DIR	PD	020924 Payroll - MN St
CHECK DATE: 02/09/2024										
101249 MINNESOTA MUNICIPAL POWER AGENCY										
4008		02/05/2024	022024-2	4051	2,703,873.70	2,703,873.70	02/20/2024	DIR	PD	JAN ELECTRIC SVC W/ EV
CHECK DATE: 02/20/2024										
101376 NATIONWIDE RETIREMENT SOLUTIONS(USCM)										
123132		02/09/2024	020924-2	4040	16,439.28	16,439.28	02/09/2024	DIR	PD	020924 Payroll - 457 C
CHECK DATE: 02/09/2024										

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VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
106955 NATIONWIDE RETIREMENT SOLUTIONS(USCM)										
123135		02/09/2024	020924-2	4043	6,993.46	6,993.46	02/09/2024	DIR	PD	020924 Payroll - Roth
CHECK DATE: 02/09/2024										
104668 OPTUM BANK INC										
123134		02/09/2024	020924-2	4042	21,054.94	21,054.94	02/09/2024	DIR	PD	020924 Payroll - HSA C
CHECK DATE: 02/09/2024										
109689 PLANSOURCE BENEFITS ADMINISTRATION INC										
FEB2024		02/01/2024	021524	4049	5,390.65	5,390.65	02/15/2024	DIR	PD	FEB INS PREM-LTD/CI/AC
CHECK DATE: 02/15/2024										
101506 PUBLIC EMPLOYEES RETIREMENT ASSOCIATION										
123133		02/09/2024	020924-2	4041	117,217.82	117,217.82	02/09/2024	DIR	PD	020924 Payroll - PERA
CHECK DATE: 02/09/2024										
14 INVOICES					3,091,157.30					

** END OF REPORT - Generated by Michelle Robbin **

Biweekly Report

February 26, 2024

By:

Matt Podhradsky

COUNCIL MEETING/WORK SESSION SCHEDULE

Below is a list of the upcoming Council Meetings and Work Sessions to plan for:

February 26th: On Monday night we will have a Council meeting but will not be having a Work Session. This should be a relatively short Council meeting with only a couple of items coming from the Planning Commission.

March 4th: We are not planning on having a Work Session on this night. At the Council meeting, the major item we will be considering is the acceptance of bids for the Public Safety Facility.

March 18th: Prior to the Council meeting on this night (5:30 pm), we will be holding a joint work session with the Park Board. The purpose of this meeting will be to hear from the Community Center Master Plan Task Force as they present their recommendations on their recently completed Master Plan document. This will be an opportunity to hear the findings, answer questions you might have about the recommendations, and ask for clarification on anything that may not be clear. There will be no action taken on this plan on this evening. Following the Work Session there will be a regular Council meeting to follow.

I know I have heard from at least a couple of you that will not be in attendance at a couple of these meetings. If you are unable to attend, just drop me an email so we know what to expect.

2024 COUNCIL/DEPARTMENT HEAD RETREAT

As a reminder we are set to have the 2024 Council/Department Head retreat on Thursday and Friday, March 21 and 22nd. This retreat will take place at the Fire Station in the training room. We will start each day at 8:30 am and will wrap up by 4 pm. We will have snacks/beverages in the morning and afternoon provided as well as lunch each day.

If you have any questions, just let me know. I look forward to this year's session!

1st ANNUAL EMPLOYEE RECOGNITION AWARDS

As I shared with you in the last bi-weekly report, this past Wednesday morning, we held our annual Employee Years of Service Recognition breakfast. We do this each year to recognize employees for major milestones in their careers here with Chaska. One thing that we added for the first time this year was Employee Recognition Awards for several different categories.

These are awards that employees are nominated for by their peers, with employees sitting on a committee deciding who to present the award to for that particular year. This was developed by our BeWell Committee over the last year and a half to provide an opportunity to recognize employees for service they provide to our community that goes above and beyond to make our organization a great place to work and a place that places high value on provide great customer service to our residents. Below is a list of the categories of awards presented this year and who the winners were:

- Achievement Award: Brent Alcott (Water Resource Coordinator). Brent was responsible for creating our "Goat Program" this year in which we had a heard of goats out in the Harvest neighborhood destroying the invasive buckthorn plant in the pockets of open space in the neighborhood. This not only effectively dealt with the Buckthorn issue, but also brought the neighborhood together (all new neighbors who had just moved in) to enjoy watching the goats.
- Quality Service Award: Ron Ericson (Building Inspector). Ron received this award for the outstanding service he provided to our commercial/industrial customers who built over the last year. As the Council is aware, we had a record year for building in 2023. Even given the busy schedule and the complexity of the projects he was inspecting, he was still able to find time to help builders navigate difficult issues they face with the State Building Code while coming up with solutions that were cost-effective and practical for the builder to implement
- Part-Time Employee of the Year Award: Dan Arlig (Curling Ice Maker). We are very fortunate that Chaska is known for having some of the best ice, if not the best ice, for Curling in the country. This would not happen but for the passion and dedication of our ice makers and especially the commitment our part-time staff has had to taking pride in the produce they put out. Dan stands out among these part-time employees and brings this passion along with a friendly smile.
- Chaska Values Champion: Whitney Pankonin Zappa (Payroll Coordinator): Over the past year, the City of Chaska has taken part in a program called EDGE which is a comprehensive evaluation of our program to make sure we are an inclusive and welcoming organization. EDGE is a worldwide program, and we were the first in the world to be certified through EDGE for being a great organization for both women and men to work. Whitney has been the champion of this project since day one and has helped work with Human Resources to make sure we complete all the work that is necessary and that there is follow-through to make sure this work is completed. She has done this all while being our sole Payroll person for our organization

Again, I just want to take this opportunity to congratulate all these employees as they very much deserve this recognition. If you have any questions on this, please let me know.

COOPER'S BUILDING

With Cooper's scheduled to close on March 2nd, Staff has been working with the current property owners on how to reutilize the site. In our conversations, we have indicated to them that our strong desire as a community would be to continue to have a grocery store there, as that site serves several residents in the downtown area, and especially in areas where we have affordable housing that may not have adequate transportation to get up to uses in the Chaska Common's area. In our discussion, they have indicated that they are willing to work to try to

find a grocer for reuse of that area before we move to looking at other potential uses. To that end, we have had interest from two users that have indicated a potential interest in reusing the building for a grocery store. Over the next couple of weeks, we will be meeting with these potential users and will let you know if discussions are able to proceed further with them. In the meantime, I just wanted to provide you with an update so that you are aware we are working on this. If you have any questions, please let Elise or me know.

PUBLIC SAFETY CENTER UPDATE

As I shared earlier in this report, we did receive bids last Thursday for the Public Safety Center. We were very pleased with the interest in the project from builders, with around 200 bids being received for the multiple portions of the project. As we would have expected, having a higher number of bidders did increase the competitiveness of the bids, with the project coming in below the budget we had set for the building. At the March 4th meeting we will be able to talk in detail how far under budget we came in with the bids and in what specific areas we saw prices come in lower than expected. The good news is that with the bids now verified and us coming in under budget, we will be able to move forward on schedule by considering the acceptance of the bids on March 4th, which will keep up on track from an overall schedule perspective of having the construction start in May.

In the meantime, our Building Maintenance Department continues to complete its work to get the temporary station for the Fire Department ready to allow the Fire Department to start moving over to the site (MSB site) by April 1st. It is expected it will take the entire month of April to get everything moved over with the existing building closed by May 1st. I want to thank the Building Maintenance Department for all the work they have completed to prepare the temporary station. They have truly saved the City a significant amount of money through all the work they have completed themselves.

If there are any questions about the project, don't hesitate to ask. We look forward to bringing back the bids to consider at the March 4th meeting.

PUBLIC MEMORIAL FOR BURNSVILLE PUBLIC SAFETY OFFICERS

As you all have seen, this has been a very difficult week for many in our area with the on-duty deaths of Burnsville Police Officers Paul Elmstrand and Matthew Ruge along with Firefighter/Paramedic Adam Finseth. There were close ties here in Chaska to this incident with Officer Elmstrand and his family being residents of our community. Our heartfelt condolences go out to all the families and the employees in Burnsville who I am sure were an extended family to all these public safety officials.

If you have not heard yet, there is a Public Memorial being planned for all three of these individuals next Wednesday, February 28th at 11 am at Grace Church in Eden Prairie. This will be a time to allow the public to mourn and reflect on this tragedy while allowing each of the families to have private services for each of their family members.

If you have any questions about this service, please let me know. We will likely have many from our Police and Fire Departments present at this memorial service.

UPCOMING EVENTS:

- 71st Annual Easter Egg Hunt in City Square Park: This event is being planned for Saturday March 30th at 10 am and is put on by the Chaska American Legion Auxiliary
- Christmas in May: Saturday May 4th at 7:15 am at St. John' s Church. Please let me know if there are any houses you know of that might be good candidates for houses to work on this year. Also, if you could let me know if you are interested in being a "runner" for this year's event, I would appreciate it.
- The Loop Grand Opening: Sunday May 5-more details to come

**CITY OF CHASKA
MEMORANDUM**

**TO: Mayor and City Council Members
Matt Podhradsky, City Administrator**

FROM: Noel Graczyk, Administrative Service Director

DATE: Monday February 26, 2024

RE: Investment Report for Fourth Quarter 2023

This investment report covers the three-month period ending December 31, 2023 and provides an overview of all City investment activity. This report is based on preliminary financial records that have not yet been reviewed by the City's independent auditor.

City investments are managed with an emphasis on safety and security of invested principal. These two objectives are intended to reduce the risk of loss of principal. Additional investment objectives include liquidity for overall City cash-flow needs, marketability of securities held by the City, and return on investment.

Investments are placed both externally and through interfund loans made between City funds. Interfund loans provide funding resources for City activities that have been previously committed or completed by the City. The total of all City investments as of the end of the reporting period is \$68.6 million and consists of the following internal and external positions.

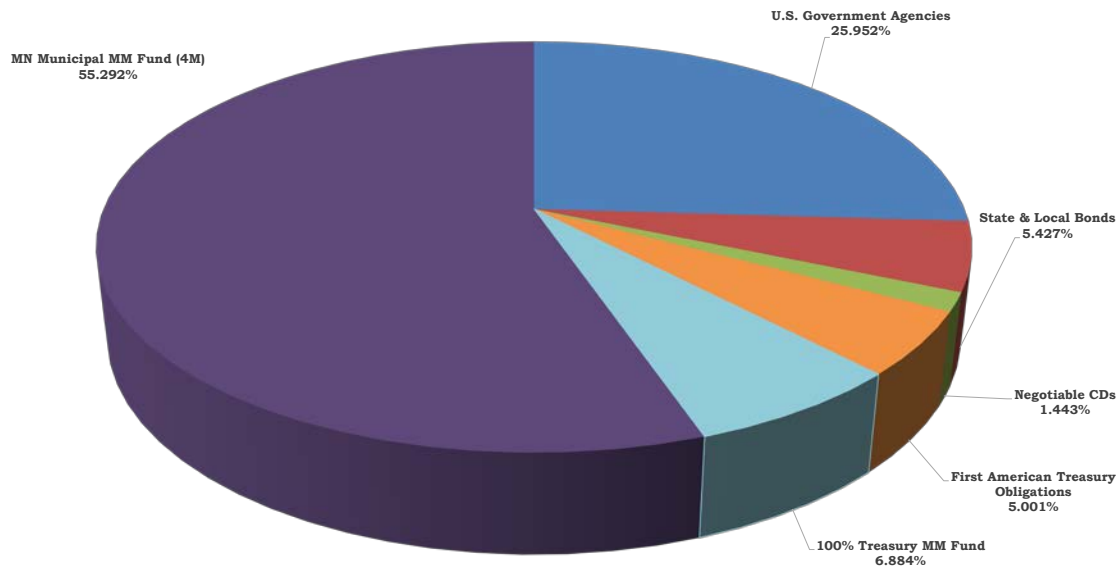
External Deposits and Investments	\$ 57,558,723.51
Internal Funding - Interfund Loans	<u>11,002,492.47</u>
Total All City Investments:	<u><u>\$ 68,561,215.98</u></u>

The \$57.6 million in external deposits and investments have been placed using various securities. To reduce credit risk (the risk of principal not being returned) investment positions are placed in securities with high quality credit ratings. Most securities also have active secondary markets, providing for liquidity.

To reduce interest rate risk (the loss of value due to changes in interest rates) investments are placed using money market type funds or are invested in securities with a final maturity less than five (5) years. Many securities with a final maturity greater than two (2) years out include a call provision.

The following table and chart summarize the type of investments in which the City holds a position and the associated risk levels.

City of Chaska Cash & Investments December 31, 2023						
	Credit Risk		Interest Risk - Maturity Duration in Years			Total
	Rating	Agency	Less Than 1 (<12/31/2024)	1 to 5 (01/01/2025 -12/31/2029)	More than 5 (>12/31/2029)	
U.S. Government Agencies	Aaa	Moody's	\$ 4,566,850.45	\$ 8,323,754.60	\$ -	\$ 12,890,605.05
State & Local Bonds	AA+	S&P	270,000.00	2,425,665.00	-	2,695,665.00
Negotiable CD's	N.R.	N.R.	-	716,860.20	-	716,860.20
Investments in Mutual Funds & Money Markets						
First American Treasury Obligations	AAAm	S&P	N/A	N/A	N/A	2,483,830.30
100% Treasury MM Fund	AAAm	S&P	N/A	N/A	N/A	3,419,509.72
MN Municipal MM Fund (4M & 4M Plus)	N.R.	N.R.	N/A	N/A	N/A	27,463,529.47
Total Investments:			\$ 4,836,850.45	\$ 11,466,279.80	\$ -	\$ 49,669,999.74
Unclassified Demand Deposits:						7,424,358.99
Total Deposits and Investments at Book Value:						\$ 57,094,358.73
Net Adjustment for Checks and (Deposits) in Transit:						464,364.78
Deposits and Investments:						\$ 57,558,723.51



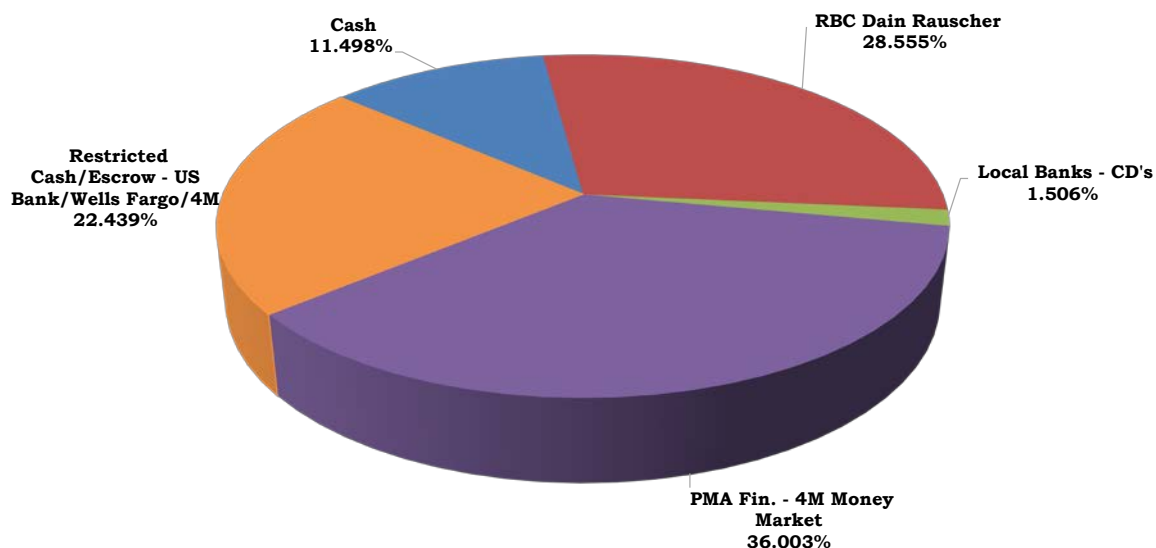
Deposits and investments are placed using local banks, escrow agents and investment brokers. The City practice is to deposit up to \$250,000 in certificates of deposits (CDs) with banks that maintain a local branch office within the City. These deposits are fully insured by the FDIC. Deposits with a local bank more than the FDIC limit of \$250,000 are fully collateralized by the bank pledging to a third party, on behalf of the City, securities that ensure the safety of City deposits.

Investments placed through an escrow agent invest bond proceeds held for future project activity or that have been pledged for future bond refunding payments. Bond proceeds held by escrow agents are invested in money market mutual funds, guaranteed investment contracts (GIC), commercial paper, or U.S. government agencies. All four (4) types of securities provide a high level of liquidity to meet payment demands.

Third party investment dealers are used to gain access to money market type funds or direct placement of securities. The following table and chart summarize the third parties used by the City to place investments.

**City of Chaska
Cash & Investments by Source
4Q/2023**

Cash - Reconciled	\$	6,564,490.41
Investments		
RBC Dain Rauscher	\$	16,303,130.25
Security Bank-CD		225,000.00
Nicolet Bank-CD		229,868.58
Old National Bank-CD		180,000.00
Bank Vista-CD		225,000.00
PMA Fin. - 4M Money Market		20,555,638.70
Restricted Cash / Escrow		
US Bank	\$	2,483,830.30
Wells Fargo		3,419,509.72
PMA Fin. - 4M Money Market		6,907,890.77
Total Cash & Investments by Source:	\$	57,094,358.73



The managed investment portfolio is the portion of the deposits and investments that City staff invests, as needed, on an ongoing basis. The managed investments portfolio is what remains after deducting deposits and investments that have been restricted.

The managed investment portfolio at \$37.7 million is determined as follows.

External Deposits and Investments	\$	57,558,723.51
Less Invested Bond Proceeds		(6,907,890.77)
Less Required Cash in Escrow		(5,903,340.02)
Total Managed Cash & Investments:	\$	44,747,492.72
Less Cash in Deposit Accounts	\$	(7,028,855.19)
Total Managed Investments:	\$	37,718,637.53

The investment portfolio generated earnings for the period of \$321,164.12, which is \$76,819.45 less than compared to the prior quarter. The portfolio also saw an increase in fair value of \$269,998.40, which is \$200,357.05 more than compared to the prior quarter. The overall earnings and changes in fair value are summarized in the following table.

**City of Chaska
General Investments
12/31/2023**

	10/1/2022 12/31/2022	1/1/2023 3/31/2023	4/1/2023 6/30/2023	7/1/2023 9/30/2023	10/1/2023 12/31/2023
Beginning Fair Value	\$ 36,926,996.47	\$ 33,328,558.64	\$ 30,234,423.08	\$ 30,983,326.33	\$ 30,134,248.53
Beginning Weighted Avg Mat.	8.5 Months	8.5 Months	14.0 Months	11.8 Months	11.0 Months
Ending Fair Value	\$ 33,328,558.64	\$ 30,234,423.08	\$ 30,983,326.33	\$ 30,134,248.53	\$ 37,718,637.53
Earnings for Period	306,606.38	300,735.95	289,708.90	397,983.57	321,164.12
Change in Fair Value for Period	14,941.35	71,718.45	(96,048.70)	69,641.35	269,998.40
Year to Date Earnings	550,380.96	300,735.95	590,444.85	988,428.42	1,309,592.54
Year to Date Change Fair Value	(331,909.45)	71,718.45	(24,330.25)	45,311.10	315,309.50
Ending Weighted Avg Mat.	8.5 Months	14.0 Months	11.8 Months	11.0 Months	8.7 Months

The current holdings in the portfolios produced the following yield results.

Current Holdings	12/31/22	3/31/23	6/30/23	9/30/23	12/31/23
Average Yield	1.75%	1.92%	2.02%	2.04%	2.19%
Current Yield	3.23%	3.25%	3.50%	3.56%	4.00%
Yield to Maturity	2.37%	2.46%	2.56%	2.73%	2.79%

The average yield is the estimated average yield of all investments in the portfolio. The current yield is an estimated weighted average based on the principal size of each investment in the portfolio. The yield to maturity is an estimate of the overall portfolio yield if all items in the portfolio are held to final maturity.

The following table is a detailed listing of all deposits and investments held by the City.

City of Chaska Cash & Investments by Source 4Q/2023			
Bank/Dealer	Investment	Fair Market 4Q/2023	Estimated Yield
Restricted Cash and Investments			
Invested Bond Proceeds			
PMA Financial	Money Market Account (4M)	\$ 6,907,890.77	5.242%
Total Invested Bond Proceeds:		\$ 6,907,890.77	
Required Escrow Accounts			
US Bank	First American Treasury Obligations	1,008,132.73	
US Bank	First American Treasury Obligations	805,658.98	
US Bank	First American Treasury Obligations	317,644.73	
US Bank	First American Treasury Obligations	110,694.85	
US Bank	First American Treasury Obligations	3,586.64	
US Bank	First American Treasury Obligations	71.96	
US Bank	First American Treasury Obligations	421.11	
US Bank	First American Treasury Obligations	102.88	
US Bank	First American Treasury Obligations	237,516.42	
Wells Fargo	Escrow invested in Money Market	3,419,509.72	
Total Required Escrow Accounts:		\$ 5,903,340.02	
Total Restricted Cash and Investments:		\$ 12,811,230.79	
General Cash and Investments			
Investments			
PMA Financial	Money Market Account (4M)	\$ 12,132,154.51	5.242%
PMA Financial	Money Market Account (4MPlus)	8,423,484.19	5.352%
RBC	State & Local Bonds	2,695,665.00	0.55% - 4.33%
RBC	U.S. Government Agencies	12,890,605.05	3.08% - 4.90%
RBC	Negotiable CD's	716,860.20	3.300%
Local Banks	CDs	859,868.58	0.40% - 5.26%
Total General Investments:		\$ 37,718,637.53	
Deposits			
OldNationalBank	Demand Deposit	\$ 7,028,855.19	5.16% - 5.20%
Total General Cash and Investments:		\$ 44,747,492.72	
TOTAL CASH AND INVESTMENTS:		\$ 57,558,723.51	

This report has been prepared with the assistance of Lisa Nelson, Controller, and Matt Burt, Accounting Supervisor, who work with me on an ongoing basis to manage overall City deposits and investments.

Please contact me if I may be of any assistance in your review of this report.



HAWK PRIDE RECAP

In February we celebrate Black History Month, National School Counseling Week and School Bus Driver Appreciation Day.

Academics

- Chaska High School has 3 National Merit Finalists! They are:
 - Halle Browning
 - Lucas Igl
 - Kyle O'Connor

Activities

- Chaska Knowledge Bowl has 3 teams that are heading to post season play. Gold and Mauve will be two of 33 teams to head to subregions and Purple is one of 12 teams going directly to regions.
- DECA has 48 students who have advanced to State. Special recognition goes to section winners:
 - Will Fiedler
 - Henry Young
 - Austin Kemp
 - Jack Donahue
 - Noella Ross
 - Maika Tardia
- CHS Science Bowl team of Lucas Igl, Thomas Schenk, Varun Sridhar and Sayan Majumder placed 7th at the State Tournament.

Athletics

- Caleb Schmidt who signed his National Letter of Intent to play college football at Minot State University
- Parker Dussault finished in 75th place at the State Alpine Ski Championships
- Bennett Adams finished in 37th place at the State Nordic Ski Championships
- StormHawks Wrestling team has advanced to the 6AAA Semifinals