



AGENDA  
CHASKA CITY COUNCIL  
CHASKA CITY HALL - COUNCIL CHAMBERS & ZOOM  
Monday, May 15, 2023  
7:00 PM

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Adopt Agenda
5. Visitor Presentation
  - 5.A. Legislative Update - Representative Nash
  - 5.B. Maria's Voice - Sara Silva
  - 5.C. National Gun Violence Awareness Day - Jenna Cruz
6. Approve Previous Meeting Minutes
  - 6.A. City Council Meeting Minutes 5-1-2023
7. Consent Items
  - 7.A. Approve Resolution No. 2023-45 MnDot Grant Agreement for Bridge Bond Funding - Replacement of City Bridge 10J51 Along Creek Road
  - 7.B. Approve Resolution No. 2023-46 Authorizing Plans for Minnesota River Bluffs Regional Trail - Chaska Connection
  - 7.C. Accept Public Improvements - Chaska Bluffs 1st Addition
  - 7.D. Approve Resolution No. 2023-47 to Approve the Settlement Agreement and Release in the Quiet Title Action Filed by Patrick and Stephanie Poppler in Carver County District Court
  - 7.E. Adopt Resolution No. 2023-48 Granting Preliminary Approval to a Multifamily Housing Revenue Bond Financing on behalf of Chaska Brickstone II, LLC
  - 7.F. Approve 2023-2024 Liquor License Renewals



- 7.G. Approve Costs Associated with Construction of a New Clubhouse and Maintenance Building for The Loop
- 7.H. Adopt Resolution No. 2023-49 Approving the Final Plat for Rivertown Heights 2nd Addition/DR Horton/PC #2023-12
- 7.I. Resolution 2023-51 Approving the Construction Documents for the North Water Treatment Plant and Authorizing Solicitation of Public Bids
- 8. Action Items
  - 8.A. Adopt Resolution No. 2023-50 and Ordinance No. 1034 Approving the Preliminary Site & Building Plan, Preliminary Plat and Zoning Ordinance Amendment (ZOA) for Structures, Inc./Jeremy Banken/PC #2023-13
    - 8.A.i. Ordinance
- 9. Bills
  - 9.A. ACCOUNTS PAYABLE CLAIMS ROSTER 5-15-2023
- 10. Other Business
  - 10.A. City Administrator's Report
    - 10.A.i. Biweekly 5-15-2023
- 11. Adjourn



# Domestic Violence Primary Prevention Education



# The Domestic Violence (DV) Problem

## Families and the public lack DV education

Cannot recognize the signs of DV until it's too late

8 Million days of paid work are lost in the U.S.

Police face increases in calls and danger

The shelters are overwhelmed

## How do Communities deal with this crisis?



# Maria's Voice Prevention Network

**Features National Gold-Award Winning Video Education**

English and Spanish Translations and Dubbed

Learn to Recognize the 12 common signs of Domestic Violence

Print materials available for all public spaces

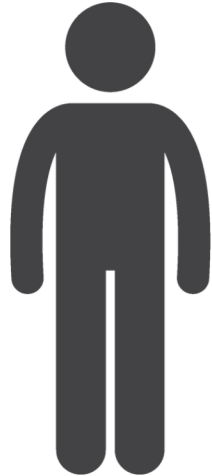


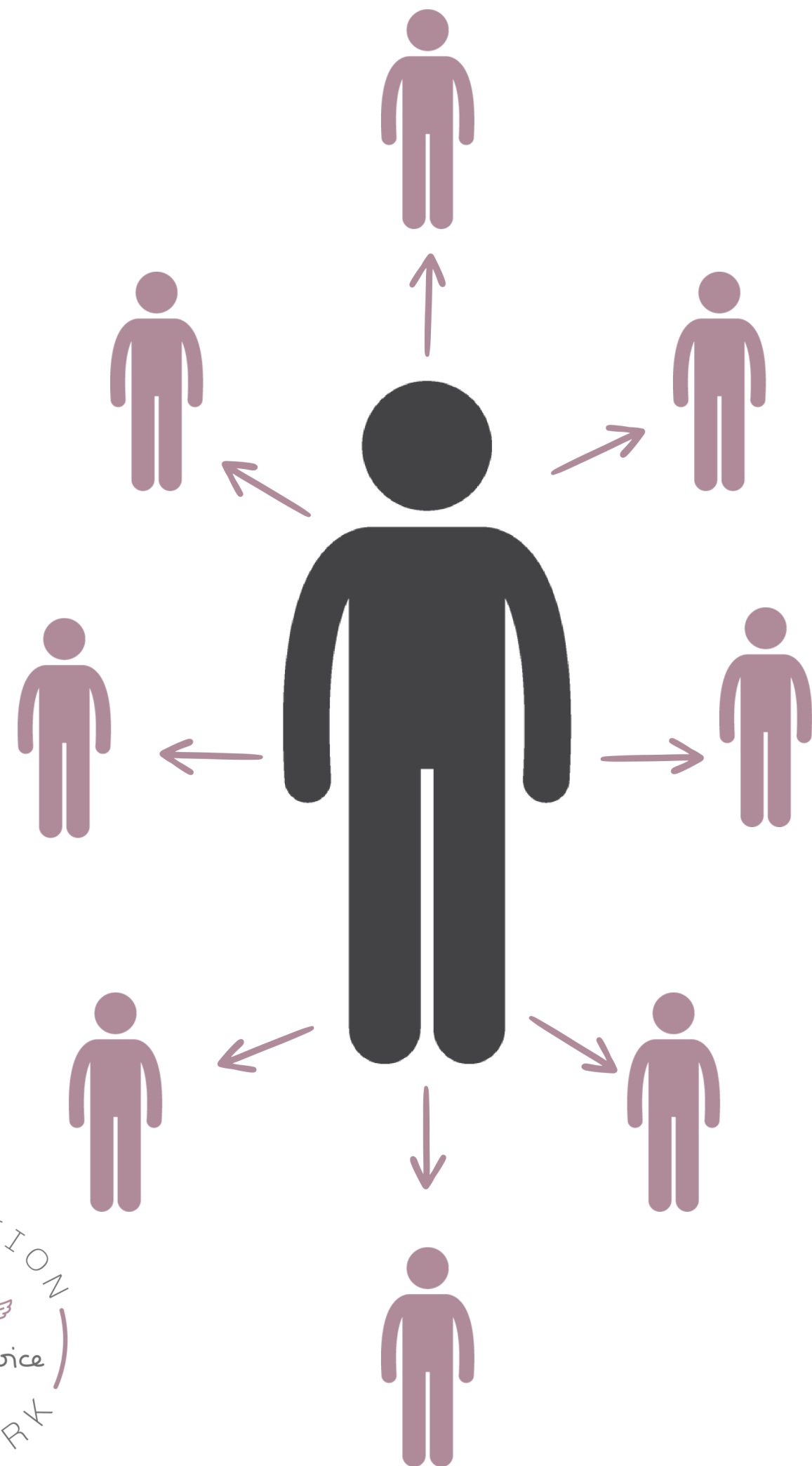
# 1 Person Aware & Educated

**Extends Community-Wide  
Public Health Model**

**City of Chaska**

**160 Full Time Employees = 1,280 interactions**  
every day that DV education influences.

 = 8 interactions per day



# Benefits for The City of Chaska

## Promotes a Culture of Safety, Health, and Wellness

160 Full Time Employees gain access to DV Prevention Education Program

Reinvests in Core Assets: Employees and Citizens

Creating a Safety Zone that extends around Chaska's Community

Community Events to Promote Education and Safety



City of Chaska



Together, We Can Prevent Domestic Abuse

Thank you!

Maria's Voice is proud  
to work with the City of Chaska.



DRAFT

**- MINUTES -  
CHASKA CITY COUNCIL  
MAY 1, 2023**

1. Call to Order

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

2. Pledge of Allegiance

3. Roll Call

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

Absent: None.

Also Present: Matt Podhradsky, City Administrator; Kevin Wright, Communication Director; Elise Durbin, Assistant Administrator; Jake Saufley, City Attorney.

4. Adopt the Agenda

Motion by Councilmember Hubbard, second by Councilmember Hatfield to adopt the agenda as presented. Motion carried.

5. Visitor Presentation

5.A. SouthWest Transit – Update on New Partnership with Lyft

Councilmember Huang introduced Interim CEO Maria Mancilla-Diaz. Interim CEO Maria Mancilla-Diaz thanked Chaska for their partnership with SouthWest Transit. She shared a few stories of the impact on public transportation on the area.

Tony Kuykendall, Interim COO of SouthWest Transit, summarized Prime, which is an on-demand ride service that is ADA-compliant, and their new partnership with Lyft. There have been 126 Lyft rides since the launch. The two programs fill previous gaps in public transportation.

Councilmember Huang asked for an update on the Summer Adventures. Ms. Mancilla-Diaz explained Summer Adventures is a weekly program that provides round-trip service to a number of family-friendly locations for only two dollars.

Councilmember Huang added there are transportation services for the State Fair. Mr. Kuykendall provided details on the planned transportation services and noted there is an additional service day for 2023.

Councilmember Hubbard noted her appreciation of SouthWest Transit's airport services. Mr. Kuykendall pointed out there is also a park and ride option for the airport service with inexpensive parking in Eden Prairie.



Mayor Windschitl added SouthWest Transit also provides transportation for Twins' games.

6. Approve Previous Meeting Minutes

6.A. Approve the April 17, 2023 City Council Meeting Minutes

Motion by Councilmember Grau, second by Councilmember Hubbard to approve the minutes of the April 17, 2023 City Council meeting.

Motion carried.

7. Consent Agenda

Motion by Councilmember Hatfield, second by Councilmember Hubbard to approve the Consent Agenda Items A through E:

- A. Infrastructure Investment and Jobs Act Grant Opportunity – Electric  
Motion to approve the letter of commitment to the US Department of Energy and the continued pursuit of the IIJA Grant opportunity
- B. Temporary On-Sale Intoxicating License for Guardian Angels Church  
Motion to approve Temporary On-Sale Intoxicating License TW.23.02 for Guardian Angels Church, allowing them to serve intoxicating beverages at the AngelFest Celebration, effective September 30, 2023.
- C. Approval of 2022 Interfund Transfers  
Motion to approve 2022 interfund transfers to be reported as Other Financing Sources and Uses in the 2022 Annual Financial Report.
- D. Adopt Resolution 2023-41 - Accepting Gifts and Donations  
Motion to adopt Resolution 2023-41 acknowledging and accepting gifts to the City of Chaska received during the period January 1, 2023 through March 31, 2023.
- E. Adopt Resolution Number 2023-44 Authorizing Preparation of Construction for Creek Road Improvement Project  
Motion to approve Resolution No. 2023-44 Authorize Preparation of Construction Documents for the 2023 Creek Road Trunk Sewer Extension Street, Utility, and Trail Improvement Project.

Motion carried.

City Administrator Podhradsky noted the application for additional dollars were already planned for, so the City is essentially saving \$1.6 million.

8. Action Items

8.A. Adopt Resolution No. 2023-42 Relating to Conduit Financing on behalf of Ridgeview Medical Center

City Administrator Podhradsky introduced the item to the Council and Administrative Services Director Noel Graczyk provided a presentation on it. Gordon Gablenz, Chief Investment Officer and Treasurer of Ridgeview Medical Center, also provided information.

Mayor Windschitl opened the public hearing at 7:26 p.m.

No one wished to address the Council.

Mayor Windschitl closed the public hearing at 7:27 p.m.

Motion by Councilmember Huang, second by Councilmember Grau to adopt Resolution 2023-42 relating to approving financing on behalf of Ridgeview Medical Center.

Motion carried.

Mayor Windschitl stated Chaska received an achievement regarding finances. He congratulated Mr. Graczyk and his Staff for their efforts.

#### 9. Bills

##### 9.A. Accounts Payable Claims Roster 1-5-2023

The Council requested further information about bills on page 14.

City Administrator Podhradsky provided further information regarding those bills.

Motion by Councilmember Huang, second by Councilmember Hatfield 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.

#### 10. Other Business

##### 10.A. Hawk Price Recap

##### 10.A.i. Bi-Weekly Report Day-Month-2023

Councilmember Huang:

- Asked if Chaska Town Course opened on April 25, 2023. City Administrator Podhradsky stated it opened on April 24, 2023.
- Pointed out a number of achievements by local students:
  - Speech Team qualifies 4 for State Tournament
  - DECA Qualifies 7 for Internationals
  - Junior earns title of National Speech and Debate Association Academic All-American. To qualify, a student must be an outstanding leader, earn the degree of Superior Distinction, and have a grade-point average of 3.7. Less than two percent of students across the nation get AAA honors!
  - Knowledge Bowl places 2nd in National Tournament against teams from Minnesota, Colorado and Washington
  - NHS Students made 400 sandwiches for the homeless
  - 5 CHS students selected as 2023 Minnesota Music Educators All-State Musicians
  - 2 Art Students Advance to MSHSL Visual Arts Contest
  - Chaska Golf team captains were named to the Junior PGA Minnesota Team

Councilmember Hubbard:

- Stated the Community Center Task Force recently met and discussed costs of certain projects. Councilmember Grau added it is a meaningful process to include community members in such discussions.

- Noted Parks and Recreation is doing Bike Month 2023 and has bingo cards.
- Added Rotary Club has a meeting on Thursday, May 4, 2023 that requires preregistration.

Councilmember Grau:

- Pointed out Coach Seifert is stepping down after 16 seasons.
- Shouted out Asian American and Hispanic Heritage Month and explained the reason May was selected to represent that culture.
- Thanked Staff for their communications efforts with the public.
- Noted some cities have designated parking areas for folks to meet for Facebook Marketplace exchanges. City Administrator Podhradsky explained the option is being discussed for the new Public Safety Facility.
- Added the Chaska Classic Baseball Tournament is May 12-14, 2023.

Councilmember Hatfield:

- Stated food distribution is in two weeks on Thursday.
- Encouraged community members to not drive so quickly in construction areas or on residential roads.
- Pointed out the bridge on Hwy 41 closed, but the County Road 11 is open again.

City Administrator Podhradsky:

- Noted Christmas in May is at St. John's this year instead of Guardian Angels.

Mayor Windschitl:

- Stated Student Human Rights Commissioner Sienna White will be attending Johns Hopkins University to study Neuroscience and Spanish. City Administrator Podhradsky added she is very involved in the community.
- Pointed out May 20, 2023 is Armed Forces Day, May 15-21, 2023 is National Police Week, May 4, 2023 is International Firefighter Day, April 30-May 6, 2023 is Municipal Clerk's Week, National Teacher's Appreciation Week is the first full week of May, and National Nurse's Week is May 6-12, 2023.
- Added Dunn Brother's Coffee is closing.

11. Adjourn

Motion by Councilmember Hatfield, second by Councilmember Hubbard to adjourn the meeting at 8:07 p.m.

Motion carried.

**REQUEST FOR ACTION  
CHASKA CITY COUNCIL  
May 15, 2023**

**Subject: MnDOT Grant Agreement for Bridge Bond Funding Received -  
Replacement of City Bridge 10J51 Along Creek Road**

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

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In 2020 the City was successful in securing state bridge bond funds to replace Bridge L2724 located along Creek Road. The bridge is set to be replaced with the project that was awarded last year and in order to release the funds MnDOT requires an agreement with the local agency. The attached agreement allows for the City to seek reimbursement in the amount estimated of \$206,500 based on the low bid received with the Creek Road Trunk Sewer Project.

**CITY COUNCIL ACTION REQUESTED**

Motion to adopt Resolution No. 2023-45, Approving Grant Agreement to State Transportation Fund Local Bridge Replacement Program Terms and Conditions for Replacement of Bridge 10J51.



**CITY OF CHASKA  
CARVER COUNTY, MINNESOTA**

**RESOLUTION**

**DATE** 5/15/2023 **RESOLUTION NO.** 2023-45

**MOTION BY COUNCILMEMBER** \_\_\_\_\_ **SECOND BY COUNCILMEMBER** \_\_\_\_\_

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**Resolution for Agreement to State Transportation Fund Local Bridge Replacement  
Program Grant Terms and Conditions SAP 196-124-005**

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WHEREAS, The City of Chaska, Carver County, MN has applied to the Commissioner of Transportation for a grant from the Minnesota State Transportation Fund for construction of Bridge No.10J51; and

WHEREAS, the Commissioner of Transportation has given notice that funding for this project is available; and

WHEREAS, the amount of the grant has been determined to be \$206,499.01 by reason of the lowest responsible bid;

NOW THEREFORE, be it resolved that the City of Chaska, Carver County, MN does hereby agree to the terms and conditions of the grant consistent with Minnesota Statutes, section 174.50, and will pay any additional amount by which the cost exceeds the estimate and will return to the Minnesota State Transportation Fund any amount appropriated for the project but not required. The proper City officers are authorized to execute a grant agreement and any amendments thereto with the Commissioner of Transportation concerning the above-referenced grant.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 15<sup>th</sup> day of May 2023.

\_\_\_\_\_  
Mark Windschitl, Mayor

Attest: \_\_\_\_\_  
Chaska Deputy Clerk



**LOCAL BRIDGE REPLACEMENT PROGRAM (LBRP)**  
**GRANT AGREEMENT**

**This Agreement** between the Minnesota Department of Transportation (“MnDOT”) and the Grantee named below is made pursuant to Minnesota Statutes Section 174.50 and pursuant to Minn. Laws 2020, 5th Special Session, Chapter 3- H.F. 1. The provisions in that section and the Exhibits attached hereto and incorporated by reference constitute this Agreement and the persons signing below agree to fully comply with all of the requirements of this Agreement. This Agreement will be effective on the date State obtains all required signatures under Minnesota Statutes §16C.05, subdivision 2.

1. Public Entity (Grantee) name, address and contact person:

Matt Clark  
City Engineer  
City of Chaska  
One City Hall Plaza  
Chaska, MN 55318-1962  
Phone: 952-448-9200  
[MClark@chaskamn.com](mailto:MClark@chaskamn.com)

2. Project(s):

| Name of Project & Project Number<br>(See Exhibit C for location)                       | Amount of LBRP Funds | Amount of Required Matching Funds | Completion Date   |
|----------------------------------------------------------------------------------------|----------------------|-----------------------------------|-------------------|
| Creek Road Utility and Street Improvements<br>SAP 196-124-005<br>Ex. Bridge No.: L2723 | \$206,449.01         | \$241,810.00                      | December 31, 2026 |
|                                                                                        |                      |                                   |                   |
|                                                                                        |                      |                                   |                   |

3. Total Amount of LBRP Grant for all projects under this Agreement: \$206,449.01

4. The following Exhibits for each project are attached and incorporated by reference as part of this Agreement:

|           |                                              |
|-----------|----------------------------------------------|
| Exhibit A | Completed Sources and Uses of Funds Schedule |
| Exhibit B | Project Schedule                             |
| Exhibit C | Bond Financed Property Certification         |
| Exhibit D | Grant Application                            |
| Exhibit E | Grantee Resolution Approving Grant Agreement |
| Exhibit F | General Terms and Conditions                 |

5. Additional requirements, if any:
6. Any modification of this Agreement must be in writing and signed by both parties.

*(The remaining portion of this page was intentionally left blank.)*

**PUBLIC ENTITY (GRANTEE)**

**DEPARTMENT OF TRANSPORTATION**

*Approval and Certifying Encumbrance*

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

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

State Aid Programs Manager

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**Office of Contract Management**

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

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

Contract Administrator

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## EXHIBIT A

### SOURCES AND USES OF FUNDS SCHEDULE

| SOURCES OF FUNDS            |                     | USES OF FUNDS                                    |                     |
|-----------------------------|---------------------|--------------------------------------------------|---------------------|
| Entity Supplying Funds      | Amount              | Expenses                                         | Amount              |
| <b>State Funds:</b>         |                     | <b>Items Paid for with LBRP</b>                  |                     |
| LBRP Grant (Acct 347)       | \$206,499.01        | <b>Grant Funds:</b>                              |                     |
| Other:                      |                     | Bridge Construction                              | \$206,499.01        |
|                             | \$                  |                                                  | \$                  |
|                             | \$                  |                                                  | \$                  |
|                             | \$                  |                                                  | \$                  |
| Subtotal                    | \$206,499.01        | Subtotal                                         | \$206,499.01        |
| <b>Public Entity Funds:</b> |                     | <b>Items paid for with Non-LBRP Grant Funds:</b> |                     |
| Matching Funds              |                     | Bridge Construction, Bridge Removal, Approach    | \$241,810.00        |
| Local Match                 | \$241,810.00        |                                                  | \$                  |
| Other:                      |                     |                                                  | \$                  |
|                             | \$                  |                                                  | \$                  |
|                             | \$                  |                                                  | \$                  |
| Subtotal                    | \$241,810.00        | Subtotal                                         | \$241,810.00        |
|                             |                     |                                                  |                     |
|                             |                     |                                                  |                     |
|                             |                     |                                                  |                     |
|                             |                     |                                                  |                     |
| <b>TOTAL FUNDS</b>          | <b>\$448,259.01</b> | <b>TOTAL PROJECT COSTS</b>                       | <b>\$448,259.01</b> |

**EXHIBIT B**

**PROJECT SCHEDULE**

Award Date: July 12, 2022  
Construction Start Date: June 19, 2023  
Construction Substantial Complete Date: August 5, 2023  
Contract Final Completion Date: December 31, 2026

**EXHIBIT C**

**BOND FINANCED PROPERTY CERTIFICATION**

State of Minnesota  
General Obligation Bond Financed Property

The undersigned states that it has a fee simple, leasehold and/or easement interest in the real property located in the County of Carver, State of Minnesota that is generally described or illustrated graphically in **Attachment 1** attached hereto and all improvements thereon (the "Restricted Property") and acknowledges that the Restricted Property is or may become State bond-financed property. To the extent that the Restricted Property is or becomes State bond-financed property, the undersigned acknowledges that:

- A. The Restricted Property is State bond-financed property under Minn. Stat. Sec. 16A.695, is subject to the requirements imposed by that statute, and cannot be sold, mortgaged, encumbered or otherwise disposed of without the approval of the Commissioner of Minnesota Management and Budget; and
- B. The Restricted Property is subject to the provisions of the Local Bridge Replacement Program Grant Agreement between the Minnesota Department of Transportation and the undersigned dated \_\_\_\_\_, 20\_\_\_\_; and
- C. The Restricted Property shall continue to be deemed State bond-financed property for 37.5 years or until the Restricted Property is sold with the written approval of the Commissioner of Minnesota Management and Budget.

Date: \_\_\_\_\_, 20\_\_\_\_

**City of Chaska**

\_\_\_\_\_  
*[name of Public Entity grantee]*,  
a political subdivision of the State of Minnesota

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**Attachment 1 to Exhibit C**

**GENERAL DESCRIPTION OF RESTRICTED PROPERTY**

(Insert a narrative or graphic description of the Restricted Property for the project. It need not be a legal description if a legal description is unavailable.)

**EXHIBIT D**

**GRANT APPLICATION**

Attach the grant application for the project



**EXHIBIT E**

**GRANTEE RESOLUTION APPROVING GRANT AGREEMENT**

**CITY OF CHASKA  
CARVER COUNTY, MINNESOTA**

**RESOLUTION**

**DATE** 5/15/2023 **RESOLUTION NO.** 2023-XX

**MOTION BY COUNCILMEMBER** \_\_\_\_\_ **SECOND BY COUNCILMEMBER**  
\_\_\_\_\_

**Resolution for Agreement to State Transportation Fund Local Bridge  
Replacement Program Grant Terms and Conditions SAP 196-124-005**

WHEREAS, The City of Chaska, Carver County, MN has applied to the Commissioner of Transportation for a grant from the Minnesota State Transportation Fund for construction of Bridge No.10J51; and

WHEREAS, the Commissioner of Transportation has given notice that funding for this project is available; and

WHEREAS, the amount of the grant has been determined to be **\$206,499.01** by reason of the lowest responsible bid;

NOW THEREFORE, be it resolved that the City of Chaska, Carver County, MN does hereby agree to the terms and conditions of the grant consistent with Minnesota Statutes, section 174.50, and will pay any additional amount by which the cost exceeds the estimate and will return to the Minnesota State Transportation Fund any amount appropriated for the project but not required. The proper City officers are authorized to execute a grant agreement and any amendments thereto with the Commissioner of Transportation concerning the above-referenced grant.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 15<sup>th</sup> day of May 2023.

\_\_\_\_\_  
Mark Windschitl, Mayor

Attest: \_\_\_\_\_  
Chaska Deputy Clerk

## EXHIBIT F

### GENERAL TERMS AND CONDITIONS FOR LOCAL BRIDGE REPLACEMENT PROGRAM (LBRP) GRANTS

#### Article I DEFINITIONS

Section 1.01 **Defined Terms.** The following terms shall have the meanings set out respectively after each such term (the meanings to be equally applicable to both the singular and plural forms of the terms defined) unless the context specifically indicates otherwise:

“Advance(s)” - means an advance made or to be made by MnDOT to the Public Entity and disbursed in accordance with the provisions contained in Article VI hereof.

“Agreement” - means the Local Bridge Replacement Program Grant Agreement between the Public Entity and the Minnesota Department of Transportation to which this Exhibit is attached.

“Certification” - means the certification, in the form attached as **Exhibit C**, in which the Public Entity acknowledges that its interest in the Real Property is bond financed property within the meaning of Minn. Stat. Sec. 16A.695 and is subject to certain restrictions imposed thereby.

“Code” - means the Internal Revenue Code of 1986, as amended, and all treasury regulations, revenue procedures and revenue rulings issued pursuant thereto.

“Commissioner” - means the Commissioner of Minnesota Management & Budget.

“Commissioner’s Order” - means the “Fourth Order Amending Order of the Commissioner of Minnesota Management & Budget Relating to Use and Sale of State Bond Financed Property” dated July 30, 2012, as it may be amended or supplemented.

“Completion Date” - means the projected date for completion of the Project as indicated in the Agreement.

“Construction Contract Documents” - means the document or documents, in form and substance acceptable to MnDOT, including but not limited to any construction plans and specifications and any exhibits, amendments, change orders, modifications thereof or supplements thereto, which collectively form the contract between the Public Entity and the Contractor(s) for the completion of the Construction Items on or before the Completion Date for either a fixed price or a guaranteed maximum price.

“Construction Items” - means the work to be performed under the Construction Contract Documents.

“Contractor” - means any person engaged to work on or to furnish materials and supplies for the Construction Items including, if applicable, a general contractor.

“Draw Requisition” - means a draw requisition that the Public Entity, or its designee, submits to MnDOT when an Advance is requested, as referred to in Section 4.02.

“G.O. Bonds” - means the state general obligation bonds issued under the authority granted in Article XI, Sec. 5(a) of the Minnesota Constitution, the proceeds of which are used to fund the LBRP Grant, and any bonds issued to refund or replace such bonds.

“Grant Application” - means the grant application that the Public Entity submitted to MnDOT which is attached as **Exhibit D**.

“LBRP Grant” - means a grant from MnDOT to the Public Entity under the LBRP in the amount specified in the Agreement, as such amount may be modified under the provisions hereof.

“LBRP” - means the Local Bridge Replacement Program pursuant to Minn. Stat. Sec. 174.50 and rules relating thereto.

“MnDOT” - means the Minnesota Department of Transportation.

“Outstanding Balance of the LBRP Grant” - means the portion of the LBRP Grant that has been disbursed to the Public Entity minus any amounts returned to the Commissioner.

“Project” - means the Project identified in the Agreement to be totally or partially funded with a LBRP grant.

“Public Entity” - means the grantee of the LBRP Grant and identified as the Public Entity in the Agreement.

“Real Property” - means the real property identified in the Agreement on which the Project is located.

## **Article II GRANT**

Section 2.01 **Grant of Monies.** MnDOT shall make the LBRP Grant to the Public Entity and disburse the proceeds in accordance with the terms and conditions herein.

Section 2.02 **Public Ownership.** The Public Entity acknowledges and agrees that the LBRP Grant is being funded with the proceeds of G.O. Bonds, and as a result all the Real Property must be owned by one or more public entities. The Public Entity represents and warrants to MnDOT that it has one or more of the following ownership interests in the Real Property: (i) fee simple ownership, (ii) an easement that is for a term that extends beyond the date that is 37.5 years from the Agreement effective date, or such shorter term as authorized by statute, and which cannot be modified or terminated early without the prior written consent of MnDOT and the Commissioner; and/or (iii) a prescriptive easement for a term that extends beyond the date that is 37.5 years from the Agreement effective date.

Section 2.03 **Use of Grant Proceeds.** The Public Entity shall use the LBRP Grant solely to reimburse itself for expenditures it has already made, or will make, to pay the costs of one or more of the following activities: (i) constructing or reconstructing a bridge, (ii) abandoning an existing bridge that is deficient and in need of replacement, but where no replacement will be made, or (iii) constructing a road to facilitate the abandonment or removal of an existing bridge determined to be deficient. The Public Entity shall not use the LBRP Grant for any other purpose, including but not limited to, any work to be done on a state trunk highway or within a trunk highway easement.

Section 2.04 **Operation of the Real Property.** The Real Property must be used by the Public Entity in conjunction with or for the operation of a county highway, county state-aid highway, town road, or city

street and for other uses customarily associated therewith, such as trails and utility corridors, and for no other purposes or uses. The Public Entity shall have no intention on the effective date of the Agreement to use the Real Property as a trunk highway or any part of a trunk highway. The Public Entity must annually determine that the Real Property is being used for the purposes specified in this Section and, upon written request by either MnDOT or the Commissioner, shall supply a notarized statement to that effect.

**Section 2.05 Sale or Lease of Real Property.** The Public Entity shall not (i) sell or transfer any part of its ownership interest in the Real Property, or (ii) lease out or enter any contract that would allow another entity to use or operate the Real Property without the written consent of both MnDOT and the Commissioner. The sale or transfer of any part of the Public Entity's ownership interest in the Real Property, or any lease or contract that would allow another entity to use or operate the Real Property, must comply with the requirements imposed by Minn. Stat. Sec. 16A.695 and the Commissioner's Order regarding such sale or lease.

**Section 2.06 Public Entity's Representations and Warranties.** The Public Entity represents and warrants to MnDOT that:

- A. It has legal authority to execute, deliver and perform the Agreement and all documents referred to therein, and it has taken all actions necessary to its execution and delivery of such documents.
- B. It has the ability and a plan to fund the operation of the Real Property for the purposes specified in Section 2.04 and will include in its annual budget all funds necessary for the operation of the Real Property for such purposes.
- C. The Agreement and all other documents referred to therein are the legal, valid, and binding obligations of the Public Entity enforceable against the Public Entity in accordance with their respective terms.
- D. It will comply with all the provisions of Minn. Stat. Sec. 16A.695, the Commissioner's Order and the LBRP. It has legal authority to use the G.O. Grant for the purpose or purposes described in this Agreement.
- E. All of the information it has submitted or will submit to MnDOT or the Commissioner relating to the LBRP Grant or the disbursement of the LBRP Grant is and will be true and correct.
- F. It is not in violation of any provisions of its charter or of the laws of the State of Minnesota, and there are no actions or proceedings pending, or to its knowledge threatened, before any judicial body or governmental authority against or affecting it relating to the Real Property, or its ownership interest therein, and it is not in default with respect to any order, writ, injunction, decree, or demand of any court or any governmental authority which would impair its ability to enter into the Agreement or any document referred to herein, or to perform any of the acts required of it in such documents.
- G. Neither the execution and delivery of the Agreement or any document referred to herein nor compliance with any of the provisions or requirements of any of such documents is prevented by, is a breach of, or will result in a breach of, any provision of any agreement or document to which it is now a party or by which it is bound.
- H. The contemplated use of the Real Property will not violate any applicable zoning or use statute, ordinance, building code, rule or regulation, or any covenant or agreement of record relating thereto.

- I. The Project will be completed, and the Real Property will be operated in full compliance with all applicable laws, rules, ordinances, and regulations of any federal, state, or local political subdivision having jurisdiction over the Project and the Real Property.
- J. All applicable licenses, permits and bonds required for the performance and completion of the Project and for the operation of the Real Property as specified in Section 2.04 have been, or will be, obtained.
- K. It reasonably expects to possess its ownership interest in the Real Property described in Section 2.02 for at least 37.5 years, and it does not expect to sell such ownership interest.
- L. It does not expect to lease out or enter any contract that would allow another entity to use or operate the Real Property.
- M. It will supply whatever funds are needed in addition to the LBRP Grant to complete and fully pay for the Project.
- N. The Construction Items will be completed substantially in accordance with the Construction Contract Documents by the Completion Date and all such items will be situated entirely on the Real Property.
- O. It will require the Contractor or Contractors to comply with all rules, regulations, ordinances, and laws bearing on its performance under the Construction Contract Documents.
- P. It shall furnish such satisfactory evidence regarding the representations and warranties described herein as may be required and requested by either MnDOT or the Commissioner.
- Q. It has made no materially false statement or misstatement of fact in connection with its receipt of the G.O. Grant, and all the information it has submitted or will submit to the State Entity or Commissioner of MMB relating to the G.O. Grant or the disbursement of any of the G.O. Grant is and will be true and correct.

Section 2.07 **Event(s) of Default.** The following events shall, unless waived in writing by MnDOT and the Commissioner, constitute an Event of Default under the Agreement upon either MnDOT or the Commissioner giving the Public Entity 30 days' written notice of such event and the Public Entity's failure to cure such event during such 30-day time period for those Events of Default that can be cured within 30 days or within whatever time period is needed to cure those Events of Default that cannot be cured within 30 days as long as the Public Entity is using its best efforts to cure and is making reasonable progress in curing such Events of Default; however, in no event shall the time period to cure any Event of Default exceed six (6) months unless otherwise consented to, in writing, by MnDOT and the Commissioner.

- A. If any representation, covenant, or warranty made by the Public Entity herein or in any other document furnished pursuant to the Agreement, or to induce MnDOT to disburse the LBRP Grant, shall prove to have been untrue or incorrect in any material respect or materially misleading as of the time such representation, covenant, or warranty was made.
- B. If the Public Entity fails to fully comply with any provision, covenant, or warranty contained herein.

- C. If the Public Entity fails to fully comply with any provision, covenant or warranty contained in Minn. Stat. Sec. 16A.695, the Commissioner's Order, or Minn. Stat. Sec. 174.52 and all rules related thereto.
- D. If the Public Entity fails to use the proceeds of the LBRP Grant for the purposes set forth in Section 2.03, the Grant Application, and in accordance with the LBRP.
- E. If the Public Entity fails to operate the Real Property for the purposes specified in Section 2.04.
- F. If the Public Entity fails to complete the Project by the Completion Date.
- G. If the Public Entity sells or transfers any portion of its ownership interest in the Real Property without first obtaining the written consent of both MnDOT and the Commissioner.
- H. If the Public Entity fails to provide any additional funds needed to fully pay for the Project.
- I. If the Public Entity fails to supply the funds needed to operate the Real Property in the manner specified in Section 2.04.

Notwithstanding the foregoing, any of the above events that cannot be cured shall, unless waived in writing by MnDOT and the Commissioner, constitute an Event of Default under the Agreement immediately upon either MnDOT or the Commissioner giving the Public Entity written notice of such event.

Section 2.08 **Remedies.** Upon the occurrence of an Event of Default and at any time thereafter until such Event of Default is cured to the satisfaction of MnDOT, MnDOT or the Commissioner may enforce any or all of the following remedies.

- A. MnDOT may refrain from disbursing the LBRP Grant; provided, however, MnDOT may make such disbursements after the occurrence of an Event of Default without waiving its rights and remedies hereunder.
- B. If the Event of Default involves a sale of the Public Entity's interest in the Real Property in violation of Minn. Stat. Sec. 16A.695 or the Commissioner's Order, the Commissioner, as a third-party beneficiary of the Agreement, may require that the Public Entity pay the amounts that would have been paid if there had been compliance with such provisions. For other Events of Default, the Commissioner may require that the Outstanding Balance of the LBRP Grant be returned to it.
- C. Either MnDOT or the Commissioner, as a third-party beneficiary of the Agreement, may enforce any additional remedies it may have in law or equity.

The rights and remedies specified herein are cumulative and not exclusive of any rights or remedies that MnDOT or the Commissioner would otherwise possess.

If the Public Entity does not repay the amounts required to be paid under this Section or under any other provision contained herein within 30 days of demand by the Commissioner, or any amount ordered by a court of competent jurisdiction within 30 days of entry of judgment against the Public Entity and in favor of MnDOT and/or the Commissioner, then such amount may, unless precluded by law, be offset against any aids or other monies that the Public Entity is entitled to receive from the State of Minnesota.



**Section 2.09 Notification of Event of Default.** The Public Entity shall furnish to MnDOT and the Commissioner, as soon as possible and in any event within seven (7) days after it has obtained knowledge of the occurrence of each Event of Default, a statement setting forth details of each Event of Default and the action which the Public Entity proposes to take with respect thereto.

**Section 2.10 Effect of Event of Default.** The Agreement shall survive Events of Default and remain in full force and effect, even upon full disbursement of the LBRP Grant, and shall only be terminated under the circumstances set forth in Section 2.11.

**Section 2.11 Termination of Agreement and Modification of LBRP Grant.**

A. If the Project is not started within five (5) years after the effective date of the Agreement or the LBRP Grant has not been disbursed within four (4) years after the date the Project was started, MnDOT's obligation to fund the LBRP Grant shall terminate. In such event, (i) if none of the LBRP Grant has been disbursed by such date, MnDOT shall have no obligation to fund the LBRP Grant and the Agreement will terminate, and (ii) if some but not all of the LBRP Grant has been disbursed by such date, MnDOT shall have no further obligation to provide any additional funding for the LBRP Grant and the Agreement shall remain in force but shall be modified to reflect the amount of the LBRP Grant that was actually disbursed and the Public Entity is still obligated to complete the Project by the Completion Date.

B. The Agreement shall terminate upon the Public Entity's sale of its interest in the Real Property and transmittal of the required portion of the proceeds of the sale to the Commissioner in compliance with Minn. Stat. Sec. 16A.695 and the Commissioner's Order, or upon the termination of the Public Entity's ownership interest in the Real Property if such ownership interest is an easement.

**Section 2.12 Excess Funds.** If the full amount of the G.O. Grant and any matching funds referred to in Section 5.13 are not needed to complete the Project, then, unless language in the G.O. Bonding Legislation indicates otherwise, the G.O. Grant shall be reduced by the amount not needed.

**Article III**  
**COMPLIANCE WITH MINNESOTA STATUTE, SEC. 16A.695**  
**AND THE COMMISSIONER'S ORDER**

**Section 3.01 State Bond Financed Property.** The Public Entity acknowledges that its interest in the Real Property is, or when acquired by it will be, "state bond financed property", as such term is used in Minn. Stat. Sec. 16A.695 and the Commissioner's Order and, therefore, the provisions contained in such statute and order apply, or will apply, to its interest in the Real Property, even if the LBRP Grant will only pay for a portion of the Project.

**Section 3.02 Preservation of Tax Exempt Status.** In order to preserve the tax-exempt status of the G.O. Bonds, the Public Entity agrees as follows:

- A. It will not use the Real Property or use or invest the LBRP Grant or any other sums treated as "bond proceeds" under Section 148 of the Code (including "investment proceeds," "invested sinking funds" and "replacement proceeds") in such a manner as to cause the G.O. Bonds to be classified as "arbitrage bonds" under Code Section 148.
- B. It will deposit and hold the LBRP Grant in a segregated non-interest-bearing account until such funds are used for payments for the Project.

- C. It will, upon written request, provide the Commissioner all information required to satisfy the informational requirements set forth in the Code, including Sections 103 and 148, with respect to the G.O. Bonds.
- D. It will, upon the occurrence of any act or omission by the Public Entity that could cause the interest on the G.O. Bonds to no longer be tax exempt and upon direction from the Commissioner, take such actions and furnish such documents as the Commissioner determines to be necessary to ensure that the interest to be paid on the G.O. Bonds is exempt from federal taxation, which such action may include: (i) compliance with proceedings intended to classify the G.O. Bonds as a “qualified bond” within the meaning of Code Section 141(e), or (ii) changing the nature of the use of the Real Property so that none of the net proceeds of the G.O. Bonds will be deemed to be used, directly or indirectly, in an “unrelated trade or business” or for any “private business use” within the meaning of Code Sections 141(b) and 145(a).
- E. It will not otherwise use any of the LBRP Grant or take, permit or cause to be taken, or omit to take, any action that would adversely affect the exemption from federal income taxation of the interest on the G.O. Bonds, and if it should take, permit or cause to be taken, or omit to take, as appropriate, any such action, it shall take all lawful actions necessary to correct such actions or omissions promptly upon obtaining knowledge thereof.

Section 3.03 **Changes to G.O. Compliance Legislation or the Commissioner’s Order.** If Minn. Stat. Sec. 16A.695 or the Commissioner’s Order is amended in a manner that reduces any requirement imposed against the Public Entity, or if the Public Entity’s interest in the Real Property becomes exempted from Minn. Stat. Sec. 16A.695 and the Commissioner’s Order, then upon written request by the Public Entity, MnDOT shall execute an amendment to the Agreement to implement such amendment or exempt the Public Entity’s interest in the Real Property from Minn. Stat. Sec. 16A.695 and the Commissioner’s Order.

#### **Article IV**

#### **DISBURSEMENT OF GRANT PROCEEDS**

Section 4.01 **The Advances.** MnDOT agrees, on the terms and subject to the conditions set forth herein, to make Advances of the LBRP Grant to the Public Entity from time to time in an aggregate total amount not to exceed the amount of the LBRP Grant. If the amount of LBRP Grant that MnDOT cumulatively disburses hereunder to the Public Entity is less than the amount of the LBRP Grant delineated in Section 1.01, then MnDOT and the Public Entity shall enter into and execute whatever documents MnDOT may request in order to amend or modify this Agreement to reduce the amount of the LBRP Grant to the amount actually disbursed. Provided, however, in accordance with the provisions contained in Section 2.11, MnDOT’s obligation to make Advances shall terminate as of the dates specified in Section 2.11 even if the entire LBRP Grant has not been disbursed by such dates.

Advances shall only be for expenses that (i) are for those items of a capital nature delineated in Source and Use of Funds that is attached as **Exhibit A**, (ii) accrued no earlier than the effective date of the legislation that appropriated the funds that are used to fund the LBRP Grant, or (iii) have otherwise been consented to, in writing, by the Commissioner.

It is the intent of the parties hereto that the rate of disbursement of the Advances shall not exceed the rate of completion of the Project or the rate of disbursement of the matching funds required, if any, under Section 5.13. Therefore, the cumulative amount of all Advances disbursed by the State Entity at any point in time shall not exceed the portion of the Project that has been completed and the percentage of the matching funds required, if any, under Section 5.13 that have been disbursed as of such point in time. This requirement is

expressed by way of the following two formulas:

Formula #1:

$$\text{Cumulative Advances} \leq (\text{Program Grant}) \times (\text{percentage of matching funds, if any, required under Section 5.13 that have been disbursed})$$

Formula #2:

$$\text{Cumulative Advances} \leq (\text{Program Grant}) \times (\text{percentage of Project completed})$$

**Section 4.02 Draw Requisitions.** Whenever the Public Entity desires a disbursement of a portion of the LBRP Grant the Public Entity shall submit to MnDOT a Draw Requisition duly executed on behalf of the Public Entity or its designee. Each Draw Requisition with respect to construction items shall be limited to amounts equal to: (i) the total value of the classes of the work by percentage of completion as approved by the Public Entity and MnDOT, plus (ii) the value of materials and equipment not incorporated in the Project but delivered and suitably stored on or off the Real Property in a manner acceptable to MnDOT, less (iii) any applicable retainage, and less (iv) all prior Advances.

Notwithstanding anything herein to the contrary, no Advances for materials stored on or off the Real Property will be made by MnDOT unless the Public Entity shall advise MnDOT, in writing, of its intention to so store materials prior to their delivery and MnDOT has not objected thereto.

At the time of submission of each Draw Requisition, other than the final Draw Requisition, the Public Entity shall submit to MnDOT such supporting evidence as may be requested by MnDOT to substantiate all payments which are to be made out of the relevant Draw Requisition or to substantiate all payments then made with respect to the Project.

The final Draw Requisition shall not be submitted before completion of the Project, including any correction of material defects in workmanship or materials (other than the completion of punch list items). At the time of submission of the final Draw Requisition the Public Entity shall submit to MnDOT: (I) such supporting evidence as may be requested by MnDOT to substantiate all payments which are to be made out of the final Draw Requisition or to substantiate all payments then made with respect to the Project, and (ii) satisfactory evidence that all work requiring inspection by municipal or other governmental authorities having jurisdiction has been duly inspected and approved by such authorities and that all requisite certificates and other approvals have been issued.

If on the date an Advance is desired the Public Entity has complied with all requirements of this Agreement and MnDOT approves the relevant Draw Requisition, then MnDOT shall disburse the amount of the requested Advance to the Public Entity.

**Section 4.03 Additional Funds.** If MnDOT shall at any time in good faith determine that the sum of the undisbursed amount of the LBRP Grant plus the amount of all other funds committed to the Project is less than the amount required to pay all costs and expenses of any kind which reasonably may be anticipated in connection with the Project, then MnDOT may send written notice thereof to the Public Entity specifying the amount which must be supplied in order to provide sufficient funds to complete the Project. The Public Entity agrees that it will, within 10 calendar days of receipt of any such notice, supply or have some other entity supply the amount of funds specified in MnDOT's notice.

**Section 4.04 Condition Precedent to Any Advance.** The obligation of MnDOT to make any Advance hereunder (including the initial Advance) shall be subject to the following conditions precedent:

- A. MnDOT shall have received a Draw Requisition for such Advance specifying the amount of funds being requested, which such amount when added to all prior requests for an Advance shall not exceed the amount of the LBRP Grant set forth in Section 1.01.
- B. No Event of Default under this Agreement or event which would constitute an Event of Default but for the requirement that notice be given or that a period of grace or time elapse shall have occurred and be continuing.
- C. No determination shall have been made by MnDOT that the amount of funds committed to the Project is less than the amount required to pay all costs and expenses of any kind that may reasonably be anticipated in connection with the Project, or if such a determination has been made and notice thereof sent to the Public Entity under Section 4.03, then the Public Entity has supplied, or has caused some other entity to supply, the necessary funds in accordance with such section or has provided evidence acceptable to MnDOT that sufficient funds are available.
- D. The State Entity shall have received evidence, in form and substance acceptable to the State Entity, that the Public Entity has sufficient funds to fully and completely pay for the Project and all other expenses that may occur in conjunction therewith.
- E. The Public Entity has supplied to the State Entity all other items that the State Entity may reasonably require

Section 4.05 **Processing and Disbursement of Advances.** The Public Entity acknowledges and agrees as follows:

- A. Advances are not made prior to completion of work performed on the Project.
- B. All Advances are processed on a reimbursement basis.
- C. The Public Entity must first document expenditures to obtain an Advance.
- D. Reimbursement requests are made on a partial payment basis or when the Project is completed.
- E. All payments are made following the “Delegated Contract Process or State Aid Payment Request” as requested and approved by the appropriate district state aid engineer.

Section 4.06 **Construction Inspections.** The Public Entity shall be responsible for making its own inspections and observations regarding the completion of the Project, and shall determine to its own satisfaction that all work done or materials supplied have been properly done or supplied in accordance with all contracts that the Public Entity has entered into regarding the completion of the Project.

## **Article V MISCELLANEOUS**

Section 5.01 **Insurance.** If the Public Entity elects to maintain general comprehensive liability insurance regarding the Real Property, then the Public Entity shall have MnDOT named as an additional named insured therein.

Section 5.02 **Condemnation.** If, after the Public Entity has acquired the ownership interest set forth in Section 2.02, all or any portion of the Real Property is condemned to an extent that the Public Entity can no longer comply with Section 2.04, then the Public Entity shall, at its sole option, either: (i) use the

condemnation proceeds to acquire an interest in additional real property needed for the Public Entity to continue to comply with Section 2.04 and to provide whatever additional funds that may be needed for such purposes, or (ii) submit a request to MnDOT and the Commissioner to allow it to sell the remaining portion of its interest in the Real Property. Any condemnation proceeds which are not used to acquire an interest in additional real property shall be applied in accordance with Minn. Stat. Sec. 16A.695 and the Commissioner's Order as if the Public Entity's interest in the Real Property had been sold. If the Public Entity elects to sell its interest in the portion of the Real Property that remains after the condemnation, such sale must occur within a reasonable time period after the date the condemnation occurred and the cumulative sum of the condemnation and sale proceeds applied in accordance with Minn. Stat. Sec. 16A.695 and the Commissioner's Order.

If MnDOT receives any condemnation proceeds referred to herein, MnDOT agrees to or pay over to the Public Entity all of such condemnation proceeds so that the Public Entity can comply with the requirements of this Section.

**Section 5.03 Use, Maintenance, Repair and Alterations.** The Public Entity shall not, without the written consent of MnDOT and the Commissioner, (i) permit or allow the use of any of the Real Property for any purpose other than the purposes specified in Section 2.04, (ii) substantially alter any of the Real Property except such alterations as may be required by laws, ordinances or regulations, or such other alterations as may improve the Real Property by increasing its value or which improve its ability to be used for the purposes set forth in Section 2.04, (iii) take any action which would unduly impair or depreciate the value of the Real Property, (iv) abandon the Real Property, or (v) commit or permit any act to be done in or on the Real Property in violation of any law, ordinance or regulation.

If the Public Entity fails to maintain the Real Property in accordance with this Section, MnDOT may perform whatever acts and expend whatever funds necessary to so maintain the Real Property, and the Public Entity irrevocably authorizes MnDOT to enter upon the Real Property to perform such acts as may be necessary to so maintain the Real Property. Any actions taken or funds expended by MnDOT shall be at its sole discretion, and nothing contained herein shall require MnDOT to take any action or incur any expense and MnDOT shall not be responsible, or liable to the Public Entity or any other entity, for any such acts that are performed in good faith and not in a negligent manner. Any funds expended by MnDOT pursuant to this Section shall be due and payable on demand by MnDOT and will bear interest from the date of payment by MnDOT at a rate equal to the lesser of the maximum interest rate allowed by law or 18% per year based upon a 365-day year.

**Section 5.04 Recordkeeping and Reporting.** The Public Entity shall maintain books and records pertaining to Project costs and expenses needed to comply with the requirements contained herein, Minn. Stat. Sec. 16A.695, the Commissioner's Order, and Minn. Stat. Sec. 174.52 and all rules related thereto, and upon request shall allow MnDOT, its auditors, the Legislative Auditor for the State of Minnesota, or the State Auditor for the State of Minnesota, to inspect, audit, copy, or abstract all of such items. The Public Entity shall use generally accepted accounting principles in the maintenance of such items, and shall retain all of such books and records for a period of six years after the date that the Project is fully completed and placed into operation.

**Section 5.05 Inspections by MnDOT.** The Public Entity shall allow MnDOT to inspect the Real Property upon reasonable request by MnDOT and without interfering with the normal use of the Real Property.

**Section 5.06 Liability.** The Public Entity and MnDOT agree that each will be responsible for its own acts and the results thereof to the extent authorized by law, and neither shall be responsible for the acts of the other party and the results thereof. The liability of MnDOT and the Commissioner is governed by the

provisions of Minn. Stat. Sec. 3.736. If the Public Entity is a “municipality” as that term is used in Minn. Stat. Chapter 466, then the liability of the Public Entity is governed by the provisions of Chapter 466. The Public Entity’s liability hereunder shall not be limited to the extent of insurance carried by or provided by the Public Entity, or subject to any exclusion from coverage in any insurance policy.

**Section 5.07 Relationship of the Parties.** Nothing contained in the Agreement is to be construed as establishing a relationship of co-partners or joint venture among the Public Entity, MnDOT, or the Commissioner, nor shall the Public Entity be considered to be an agent, representative, or employee of MnDOT, the Commissioner, or the State of Minnesota in the performance of the Agreement or the Project.

No employee of the Public Entity or other person engaging in the performance of the Agreement or the Project shall be deemed have any contractual relationship with MnDOT, the Commissioner, or the State of Minnesota and shall not be considered an employee of any of those entities. Any claims that may arise on behalf of said employees or other persons out of employment or alleged employment, including claims under the Workers’ Compensation Act of the State of Minnesota, claims of discrimination against the Public Entity or its officers, agents, contractors, or employees shall in no way be the responsibility of MnDOT, the Commissioner, or the State of Minnesota. Such employees or other persons shall not require nor be entitled to any compensation, rights or benefits of any kind whatsoever from MnDOT, the Commissioner, or the State of Minnesota, including tenure rights, medical and hospital care, sick and vacation leave, disability benefits, severance pay and retirement benefits.

**Section 5.08 Notices.** In addition to any notice required under applicable law to be given in another manner, any notices required hereunder must be in writing and personally served or sent by prepaid, registered, or certified mail (return receipt requested), to the address of the party specified below or to such different address as may in the future be specified by a party by written notice to the others:

To the Public Entity: At the address indicated on the first page of the Agreement.

To MnDOT at: Minnesota Department of Transportation  
Office of State Aid  
395 John Ireland Blvd., MS 500  
Saint Paul, MN 55155  
Attention: Marc Briese, State Aid Programs Engineer

To the Commissioner at: Minnesota Management & Budget  
400 Centennial Office Bldg.  
658 Cedar St.  
St. Paul, MN 55155  
Attention: Commissioner

**Section 5.09 Assignment or Modification.** Neither the Public Entity nor MnDOT may assign any of its rights or obligations under the Agreement without the prior written consent of the other party.

**Section 5.10 Waiver.** Neither the failure by the Public Entity, MnDOT, or the Commissioner, as a third party beneficiary of the Agreement, in one or more instances to insist upon the complete observance or performance of any provision hereof, nor the failure of the Public Entity, MnDOT, or the Commissioner to exercise any right or remedy conferred hereunder or afforded by law shall be construed as waiving any breach of such provision or the right to exercise such right or remedy thereafter. In addition, no delay by any of the Public Entity, MnDOT, or the Commissioner in exercising any right or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right or remedy preclude other or further exercise thereof or the exercise of any other right or remedy.

**Section 5.11 Choice of Law and Venue.** All matters relating to the validity, interpretation, performance, or enforcement of the Agreement shall be determined in accordance with the laws of the State of Minnesota. All legal actions arising from any provision of the Agreement shall be initiated and venued in the State of Minnesota District Court located in St. Paul, Minnesota.

**Section 5.12 Severability.** If any provision of the Agreement is finally judged by any court to be invalid, then the remaining provisions shall remain in full force and effect and they shall be interpreted, performed, and enforced as if the invalid provision did not appear herein.

**Section 5.13 Matching Funds.** Any matching funds as shown on Page 1 of the Grant Agreement that are required to be obtained and supplied by the Public Entity must either be in the form of (i) cash monies, (ii) legally binding commitments for money, or (iii) equivalent funds or contributions, including equity, which have been or will be used to pay for the Project. The Public Entity shall supply to MnDOT whatever documentation MnDOT may request to substantiate the availability and source of any matching funds.

**Section 5.14 Sources and Uses of Funds.** The Public Entity represents to MnDOT and the Commissioner that the Sources and Uses of Funds Schedule attached as **Exhibit A** accurately shows the total cost of the Project and all of the funds that are available for the completion of the Project. The Public Entity will supply any other information and documentation that MnDOT or the Commissioner may request to support or explain any of the information contained in the Sources and Uses of Funds Schedule. If any of the funds shown in the Sources and Uses of Funds Schedule have conditions precedent to the release of such funds, the Public Entity must provide to MnDOT a detailed description of such conditions and what is being done to satisfy such conditions.

**Section 5.15 Project Completion Schedule.** The Public Entity represents to MnDOT and the Commissioner that the Project Completion Schedule attached as **Exhibit B** correctly and accurately sets forth the projected schedule for the completion of the Project.

**Section 5.16 Third-Party Beneficiary.** The Governmental Program will benefit the State of Minnesota and the provisions and requirements contained herein are for the benefit of both the State Entity and the State of Minnesota. Therefore, the State of Minnesota, by and through its Commissioner of MMB, is and shall be a third-party beneficiary of this Agreement.

**Section 5.17 Public Entity Tasks.** Any tasks that the Agreement imposes upon the Public Entity may be performed by such other entity as the Public Entity may select or designate, provided that the failure of such other entity to perform said tasks shall be deemed to be a failure to perform by the Public Entity.

**Section 5.18 Data Practices.** The Public Entity agrees with respect to any data that it possesses regarding the G.O. Grant or the Project to comply with all of the provisions and restrictions contained in the Minnesota Government Data Practices Act contained in Minnesota Statutes Chapter 13, as such may subsequently be amended or replaced from time to time.

**Section 5.19 Non-Discrimination.** The Public Entity agrees to not engage in discriminatory employment practices regarding the Project and it shall fully comply with all of the provisions contained in Minnesota Statutes Chapters 363A and 181, as such may subsequently be amended or replaced from time to time.

Section 5.20 **Worker's Compensation.** The Public Entity agrees to comply with all of the provisions relating to worker's compensation contained in Minn. Stat. Secs. 176.181 subd. 2 and 176.182, as they may be amended or replaced from time to time with respect to the Project.

Section 5.21 **Antitrust Claims.** The Public Entity hereby assigns to MnDOT and the Commissioner of MMB all claims it may have for over charges as to goods or services provided with respect to the Project that arise under the antitrust laws of the State of Minnesota or of the United States of America.

Section 5.22 **Prevailing Wages.** The Public Entity agrees to comply with all of the applicable provisions contained in Minnesota Statutes Chapter 177, and specifically those provisions contained in Minn. Stat. §. 177.41 through 177.435 as they may be amended or replaced from time to time with respect to the Project. By agreeing to this provision, the Public Entity is not acknowledging or agreeing that the cited provisions apply to the Project.

Section 5.23 **Entire Agreement.** The Agreement and all of the exhibits attached thereto embody the entire agreement between the Public Entity and MnDOT, and there are no other agreements, either oral or written, between the Public Entity and MnDOT on the subject matter hereof.

Section 5.24 **E-Verification.** The Public Entity agrees and acknowledges that it is aware of Minn. Stat. § 16C.075 regarding e-verification of employment of all newly hired employees to confirm that such employees are legally entitled to work in the United States, and that it will, if and when applicable, fully comply with such order.

Section 5.25 **Telecommunications Certification.** If federal funds are included in Exhibit A, by signing this agreement, Contractor certifies that, consistent with Section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115-232 (Aug. 13, 2018), and 2 CFR 200.216, Contractor will not use funding covered by this agreement to procure or obtain, or to extend, renew, or enter into any contract to procure or obtain, any equipment, system, or service that uses "covered telecommunications equipment or services" (as that term is defined in Section 889 of the Act) as a substantial or essential component of any system or as critical technology as part of any system. Contractor will include this certification as a flow down clause in any contract related to this agreement.

Section 5.26 **Title VI/Non-discrimination Assurances.** Public Entity agrees to comply with all applicable US DOT Standard Title VI/Non-Discrimination Assurances contained in DOT Order No. 1050.2A, and in particular Appendices A and E, which can be found at: [https://edocs-public.dot.state.mn.us/edocs\\_public/DMResultSet/download?docId=11149035](https://edocs-public.dot.state.mn.us/edocs_public/DMResultSet/download?docId=11149035). If federal funds are included in Exhibit A, Public Entity will ensure the appendices and solicitation language within the assurances are inserted into contracts as required. MnDOT may conduct a review of the Public Entity's compliance with this provision. The Public Entity must cooperate with MnDOT throughout the review process by supplying all requested information and documentation to MnDOT, making Public Entity staff and officials available for meetings as requested, and correcting any areas of non-compliance as determined by MnDOT.

Section 5.27 **Electronic Records and Signatures.** The parties agree to contract by electronic means. This includes using electronic signatures and converting original documents to electronic records.

Section 5.28 **Certification.** By signing this Agreement, the Grantee certifies that it is not suspended or debarred from receiving federal or state awards.





## APPLICATION FOR BRIDGE FUNDS

State of Minnesota - Department of Transportation  
State Aid for Local Transportation

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                                                                                             |              |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------|--------------|
| Identification       | Project Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 196-124-005     | Old Bridge Number                                                                                           | L2723        |
|                      | New Bridge No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10J51           | Over                                                                                                        | CHASKA CREEK |
|                      | County of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CARVER          | Road or Street No.                                                                                          | MSAS 124     |
|                      | Township of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NA              | Road or Street Name                                                                                         | CREEK ROAD   |
|                      | Municipality of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CHASKA          | Proposed Const Year                                                                                         | 2020         |
|                      | Does the municipality have a population of 5,000 or less? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                                                                                                             |              |
| Eligibility          | Bridge Sufficiency Rating <u>54.80</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | Is this bridge hydraulically deficient? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |              |
|                      | Adequacy Status from Structure Inventory <input checked="" type="checkbox"/> Structurally Deficient <input type="checkbox"/> Functionally Obsolete <input type="checkbox"/> Adequate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                                                                                                             |              |
|                      | Date of Council/Board action prioritizing this bridge <u>10/21/2019</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                                                             |              |
| Prioritization       | Is this a road-in-lieu of bridge project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                                                                                                             |              |
|                      | How many people are affected by this deficiency? <u>2100</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | What is the ADT on this bridge? <u>2100</u>                                                                 |              |
|                      | Describe the economic importance of replacing this bridge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                                                                                                             |              |
|                      | <p>According to the MnDOT Inventory Report and based on the 2018 Inspection, the bridge is a 10x10 concrete box culvert, a sufficiency rating that is less than 80, and is classified as structurally deficient based on the condition rating of the culvert. It was built in 1938 and has reached its service life.</p> <p>Creek Road is a critical transportation route linking economic activity areas and the street and roadway network within and beyond Chaska. The improvement is intended to correct existing problems, and problems that may occur later as the structure continues to deteriorate. It addresses the structural deficiencies, maintains safe passage for all users, meets transportation demand, and complies with local plans.</p> |                 |                                                                                                             |              |
|                      | Is the road designated or planned to be designated as a Minimum Maintenance road? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                                                             |              |
|                      | (Attach additional sheets for explanation if necessary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                                                             |              |
| Cost Estimate        | Is the township net tax capacity less than \$300,000? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                                                                                             |              |
|                      | Is the bridge listed on the National Register of Historic Places or been determined to be eligible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                                                             |              |
|                      | National Register of Historic Places link here: <a href="http://www.nps.gov/history/nr/research/">http://www.nps.gov/history/nr/research/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                                                                                                             |              |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Eligible Amount | Ineligible Amount                                                                                           |              |
|                      | Structure Costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$ 354,690.00   | \$ 55,380.00                                                                                                |              |
|                      | Approach Costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$              | \$                                                                                                          |              |
| Engineering Costs    | \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$ 70,000.00    |                                                                                                             |              |
| Total Costs          | \$ 354,690.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$ 125,380.00   |                                                                                                             |              |
| Total Project Cost   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$ 480,070.00   |                                                                                                             |              |
| County/City Engineer |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | <u>10/17/19</u>                                                                                             |              |
|                      | County/City Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 | Date                                                                                                        |              |
| DSAE                 | DISTRICT STATE AID ENGINEER RECOMMENDATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                                                                                                             |              |
|                      | Replace <u>X</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Defer _____     | For District State Aid Engineer Signature                                                                   | 11/2/2020    |
| Approval             | STATE AID USE ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | Federal-Aid                                                                                                 | \$           |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | State-Aid                                                                                                   | \$           |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | Local/Other                                                                                                 | \$           |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | Town Bridge                                                                                                 | \$           |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | Unallocated Town Bridge                                                                                     | \$           |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | State Bridge Funds                                                                                          | \$           |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | Total                                                                                                       | \$           |

## REQUEST FOR ACTION CHASKA CITY COUNCIL 05/15/2023

**Subject:** Approving Proposal for Professional Services and Authorize Plans for Minnesota River Bluffs Regional Trail – Chaska Connection

**Prepared By:** Alex Mollenkamp, Assistant City Engineer

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The City, as the lead agency, is planning to undergo a trail project that has been locally coined the name "Circle the Brick" and is more formally known as the "Minnesota River Bluffs Regional Trail – Chaska Connection" through downtown. The two-mile segment of trail is planned to connect the existing Southwest Regional Trail gap that currently ends near Athletic Park near First Street and extending through downtown, ultimately connecting to the levee trail near Stoughton Avenue. Planning efforts over many years between the City, Carver County, and the State have identified the gap through downtown as a missing link in the regional trail system through the former railroad corridor. Completing this missing link supports all agencies' goals to provide an interconnected trail network linking suburban communities to the metro area, supporting business growth, and providing local neighborhood connections to regional parks and trails. A project map is included showing the proposed trail location.

The first phase of the project is currently underway with the highway 41 project this summer. A new underpass under highway 41 (Chestnut Street) is being constructed to allow for the trail extension project to occur next year. The total estimated cost of the project is \$2.5M which includes professional services for design, right of way acquisition, and construction costs. In 2022 the City was awarded Federal funds through the Metropolitan Council regional solicitation grant in the amount of \$1,245,632. The trail is a county regional destination trail that, by policy, is eligible to be fully reimbursed by Carver County. In planning for the project, the City secured a letter of credit for both the TH 41/CSAH 61 Project that is occurring this summer and the trail project next year to advance-fund both projects. A Joint Powers Agreement between Carver County and the City will be forthcoming to properly structure project reimbursement.

The project is scheduled to be constructed in the summer of 2024. Design and public communications are scheduled to take place starting this summer and continue into the fall. The project team is planning on engaging one-on-one with property owners who are most impacted by the project and engaging more broadly with the public at pop-up events at some of the summer gatherings already planned such as the Farmer's Market, River City Days, or others.

The location of the trail will almost entirely be contained within the Hennepin County Regional Rail Authority's property (the old railroad bed) however there are portions of trail that will need to be further analyzed to determine their exact location. Easements and / or right of way will very likely be needed to install the trail where desired at the eastern end of the project.

To deliver the trail construction project next summer the City has secured a proposal for engineering professional services from Bolton & Menk. Bolton & Menk assisted with preliminary design and securing project funding. Their team is familiar with the project's history and goals and the continuity of project management will result in efficiencies as the project transitions to final design. The proposal for engineering design services in the amount of \$409,558 from Bolton & Menk is attached.

City staff recommends authorizing final plans and specifications and approving the proposal for professional services from Bolton & Menk for the Minnesota River Bluffs Regional Trail – Chaska Connection.

**CITY COUNCIL ACTION REQUESTED**

Motion to adopt Resolution No. 2023-46 to Approving Proposal for Professional Services Agreement with Bolton and Menk, and Authorize plans and specifications for the Minnesota River Bluffs Regional Trail – Chaska Connection

**CITY OF CHASKA  
CARVER COUNTY, MINNESOTA**

**RESOLUTION**

**DATE** 5/15/23 **RESOLUTION NO.** 2023-46

**MOTION BY COUNCILMEMBER** \_\_\_\_\_ **SECOND BY COUNCILMEMBER** \_\_\_\_\_

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**Resolution Approving Proposal for Professional Services and Authorizing Final Design for Plans & Specifications for the Minnesota River Bluffs Regional Trail – Chaska Connection**

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WHEREAS, the city of Chaska and outside agencies have identified a gap in the Minnesota River Bluffs Regional Trail and;

WHEREAS, the city of Chaska, along with Carver County and other agencies have identified a proposed location for the trail. This location follows the previous railroad alignment that passes through downtown Chaska and would connect the existing trails at Athletic Park to the existing trail near Old Audubon Road and;

WHEREAS, the estimated total project cost is \$2,490,000 and the city has received a proposal from Bolton & Menk, Inc. for final design services in the amount of \$409,558.

WHEREAS, the city has identified funding sources including both federal funds and Carver County cost sharing and;

WHEREAS, due to the federal funding associated with the project, final design must be completed by spring of 2024 with construction occurring in the 2024 construction season.

NOW, THEREFORE, BE IT RESOLVED that the City Council authorizes final design for plans and specifications for the Minnesota River Bluffs Regional Trail – Chaska Connection and authorizes City Engineer to enter into a contract for professional services with Bolton & Menk, Inc.

Upon the call of the roll the following Council Members voted in favor of the Resolution:

The following Council Members voted against its adoption:

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 15<sup>th</sup> day of May 2023.

\_\_\_\_\_  
Mark Windschitl, Mayor

Attest: \_\_\_\_\_  
Deputy Clerk

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CERTIFICATION

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I certify that the above Resolution is an accurate copy of the Resolution adopted by the Council of the City of Chaska at an authorized meeting held on the 15<sup>th</sup> day of May, 2023, as shown by the minutes of the meeting in my possession.

Subscribed and sworn to me this  
\_\_\_\_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Type or Print Name)

\_\_\_\_\_  
(Title)



Real People. Real Solutions.

2638 Shadow Lane  
Suite 200  
Chaska, MN 55318-1172

Ph: (952) 448-8838  
Fax: (952) 448-8805  
Bolton-Menk.com

February 22, 2023

Matt Clark, PE  
City Engineer  
City of Chaska  
One City Hall Plaza  
Chaska, MN 55318

RE: Proposal for Professional Engineering Services  
Minnesota River Bluffs Trail Connection  
Preliminary & Final Design Services

Dear Matt,

Thank you for the opportunity to submit this proposal to complete preliminary and final design services for the Minnesota River Bluffs Trail Connection project (formerly coined Circle the Brick Trail). This project will fill a gap along CSAH 61 in the City of Chaska utilizing the former C&NW Railroad right-of-way. The two miles of new trail will connect into the existing Southwest Regional Trail at each end, filling the last gap in the former railroad corridor connecting Carver, Chaska, Victoria, Chanhassen and into Eden Prairie.

Based on our discussions with City staff, we have assembled a work plan that will include final design to City and Carver County standards, stakeholder and private utility coordination, permitting, and bidding services. We will support the City's efforts in property owner communication and engagement throughout the design of the project.

We believe you will find outstanding value in our approach to the Circle the Brick Trail Project for the following reasons:

### Design Experience

Our staff at Bolton & Menk has a strong and extensive background designing trail systems for both municipal and county clients. Our knowledge of trail design and the federal DCP checklist will allow us to get the project designed and bid efficiently and within the City's schedule and budget. The design experience that we bring to this project will ultimately reduce the number of hours that City staff will need to spend reviewing and managing the project, allowing staff to focus on other important needs within the City.

### Streamlined Workflow

We have recently worked through the project delivery process with City staff on the TH 41/CSAH 61 reconstruction project. Our complete understanding of the project delivery process will allow us to complete the project efficiently. We also have a strong understanding of the design specifications and plan standards that are important to City staff, both during design and during construction.

### A Consultant Who Listens

Our focus on listening to understand and then responding keeps your needs front and center. We take pride in understanding the City's goals and objectives for the project and then we keep them at the forefront during project delivery. Our staff will recommend various design and project alternatives for City staff to consider in order to achieve a timely and cost-effective project.

## Project Schedule

We are committed to following a Project Schedule that meets and exceeds the City’s expectations. Through conversations with City staff, we understand the Project Schedule will be approximately as follows:

|                                                                      |                       |
|----------------------------------------------------------------------|-----------------------|
| <b>Contract Authorization</b>                                        | <b>March 20, 2023</b> |
| Data Collection                                                      | April 2023            |
| Preliminary Design & Construction Limits                             | April - May 2023      |
| Right of Way Acquisition                                             | May – December 2023   |
| Final Design                                                         | June – December 2023  |
| Approve Plans and Specifications, Authorize Ad for Bid, Set Bid Date | January 2024          |
| Bid Opening                                                          | March 2024            |
| Award of Construction Contract                                       | April 2024            |
| Substantial Completion                                               | Fall 2024             |

Thank you again for considering Bolton & Menk, Inc., for your civil engineering needs. We look forward to working with the City of Chaska and are excited for the opportunity to connect your trail systems through the city. I will personally serve as your lead contact on this project. Please contact me at 612-845-5265 or [Tim.Lamkin@bolton-menk.com](mailto:Tim.Lamkin@bolton-menk.com) if you have any questions regarding our proposal.

Sincerely,

**BOLTON & MENK, INC.**

  
**Tim Lamkin, Jr, P.E.**  
Principal Engineer

**BOLTON & MENK, INC.**

  
**Eric Johnson, P.E.**  
Principal Engineer

## Detailed Work Plan

The City of Chaska can be assured the Bolton & Menk team will provide outstanding technical deliverables, exceptional leadership in public and stakeholder involvement, and superior project management in a timely and cost-effective manner. The detailed work plan below is outlined by tasks addressing all elements of the Circle the Brick Trail Improvements Project.

### Task 1: Project Management:

**Objective:** Participate in general client correspondence during the course of the project.

**Description:** Regularly monitor items pertaining to the project scope, schedule, and budget. Schedule and organize monthly Project Management Team meetings (up to 10 meetings).

**Deliverables:** Meeting agendas and minutes, monthly invoices

### Task 2: Public and Agency Involvement

**Objective:** Plan for, participate in, and summarize involvement with the public and partner agencies.

**Description:** Bolton & Menk will establish a public involvement plan to define engagement techniques, tools and schedule. The plan will also summarize past work completed on the corridor, displayed on a layout and one-page handout for use throughout the public involvement process. The public involvement will include up to three (3) public information meetings, attendance at up to three (3) pop-up events, up to six (6) additional stakeholder meetings, along with project newsletters, exhibits and website updates.

Our project manager or design manager will attend meetings between property owners and the city/county. The city, or it's designee, will coordinate the meetings with property owners and develop agendas. It is assumed that 6 meetings will be needed.

Our team will participate in two (2) city council meetings for the City of Chaska to share general information on the project (which may include design assumptions, final design updates, right-of-way impacts).

**Deliverables:** Public involvement plan, 3 public information meetings & 3 pop-up meetings (including

meeting materials, agendas, minutes, presentations), public involvement summary, 6 property owner meetings, 2 city council meetings or workshops, 2 newsletters/brochures, website graphics and content

### Task 3: Topographic Survey

**Objective:** Create a base map identifying above and below ground existing features in electronic format. This base map will be used as the basis and background for final design.

**Description:** We will gather pertinent field information on city infrastructure, adjacent buildings, right-of-way, contours, and private utilities. Underground utility information will be located and described per available as-builts, field markings, and private utility map information facilitated through Gopher State One Call. Right-of-way and property lines will be illustrated based on found field monumentation and plat information received from the city.

**Deliverables:** Topographic survey information.

### Task 4: Environmental Documentation

**Objective:** Evaluate the potential for natural and social impacts resulting from the project and discuss any required minimization or mitigation efforts.

**Description:** The Project Memorandum will be prepared consistent with standards set forth by MnDOT State Aid for Local Transportation. Any early coordination efforts would include review efforts of historical/archaeological sites and features, state and federal threatened and endangered species, and a review of the Natural Heritage Information System on rare plants and animals, native plants, and other rare features.

A wetland delineation will be performed for the project area to determine if wetlands are present and what, if any, mitigation or avoidance measures are needed.

Due to the proximity of this project to NRHP listed properties and our knowledge of the area, we assume a Phase IA literature review will be required to identify potential cultural resource impacts. Field work has not been included at this time since it is dependent on early notification responses.

**Deliverables:** Project Memorandum, wetland delineation report, wetland boundary map, TEP meeting (if needed), Phase IA Cultural Resources Review



## **Task 5: Utility Identification and Coordination**

**Objective:** Prepare for and attend two utility coordination meetings.

**Description:** We will identify all utility owners within the project limits and distribute invitations to a utility coordination meeting. We will also prepare an agenda, necessary figures, and meeting minutes with action items.

**Deliverables:** List of utility owners, meeting materials, and meeting minutes.

## **Task 6: Right-of-Way Identification**

**Objective:** Evaluate the potential for temporary and permanent easements.

**Description:** Our team will identify right-of-way and advance the preliminary design to minimize any right-of-way or easement needs. Right-of-way mapping and construction limits will be provided to the city. We will produce parcel sketches and the City will acquire all necessary easements. We assume that the City will contract directly with Wilson Development Services for acquisition services. Our team will also attend pre-appraisal review meetings as needed (assume 3 onsite meetings).

**Deliverables:** Parcel sketches (up to 6)

## **Task 7: Drainage Analysis**

**Objective:** Review the project design to ensure proper surface drainage is maintained and ensure the trail bridges meet current and future hydraulic needs.

**Description:** We will review the project design to ensure all surface drainage is managed and conveyed to appropriate structures. If necessary, we will add storm sewer structures and pipes to address low areas that do not drain naturally. Stormwater management will be included to treat new/reconstructed impervious surfaces per permit requirements.

We will analyze the hydraulics for all three bridges along the trail alignment to help determine which bridges may be removed, replaced, or repurposed in-place. MnDNR “No-Rise” certification(s) will be completed for these bridges as needed.

**Deliverable:** Storm sewer improvements, if necessary; hydraulic analysis of bridge crossings

## **Task 8: Preliminary Design**

**Objective:** Complete preliminary design.

**Description:** We will provide a preliminary layout for the Circle the Brick Trail within the project limits specified based on the concept from the funding application. The layout will meet the requirements of a MnDOT Level 2 layout and include proposed horizontal alignment, access closures, profiles, cross-sections, and construction limits. The layout will be reviewed and approved by the City of Chaska and Carver County.

**Deliverables:** Preliminary Layout

## **Task 9: Geotechnical Information**

**Objective:** The purpose of our geotechnical evaluation will be to characterize subsurface geologic conditions at selected exploration locations, evaluate their impact on the project, and provide geotechnical recommendations for the design and construction of the proposed trail connection.  
Scope of Services

**Description:** Bolton & Menk’s subconsultant, Braun Intertec, will perform the geotechnical investigations as described in the attached proposal.

Braun Intertec will also screen the soil borings for contaminated material as described in the attached proposal. A Modified Phase I Environmental Site Assessment (ESA) & Asbestos and Regulated Waste Assessment will be provided. A Phase II ESA is not provided at this time as it would be dependent on recommendations from the Phase I ESA.

**Deliverables:** Geotechnical Evaluation, Modified Phase I Environmental Site Assessment (ESA) & Asbestos and Regulated Waste Assessment

## **Task 10: Structural Design**

**Objective:** Complete structural design. This will include removal, replacement and/or rehabilitation plans and specifications for the three existing bridges along the trail alignment.

**Description:** We have assumed the following designs for each bridge. If conditions change or future analysis is desired, we will prepare an estimate of additional costs for approval.

- The existing bridge at the west end of the project will be repurposed. We will load rate the bridge to verify its intended use. Detail plan sheets will be created for work on the bridge.

- The existing bridge near 4<sup>th</sup> St & Elm St will be removed.
- The bridge near CSAH 61 & Yellow Brick Rd will require a site visit and a detailed analysis including a load rating of each bridge member to help determine next steps.

**Deliverables:** Final structural design plans and specifications.

## **Task 11: Final Design**

### **Subtask 11.1 60% Plans**

**Objective:** Prepare and submit 60% plans for review.

**Description:** Assemble plans for City and County review at 60% plan stage. Submittal will include an Engineer's Estimate.

**Deliverables:** 60% plan submittal, 60% engineer's estimate

### **Subtask 11.2 Prepare Final Plan Submittals**

**Objective:** Complete final design

**Description:** Final plans, completed in digital form in AutoCAD (dwg), will include coordinates and elevations of all points needed to stake the project for construction and will be furnished to the City of Chaska in digital files.

Final plans will also be provided in both bound hard copy (11" x 17") and PDF format. The construction plans will include:

- Title Sheet
- General Layout & Index
- Existing and Proposed Typical Sections
- SEQ
- Quantity Tabulations
- Existing Conditions – Topography and Utilities
- Utility Relocation and Tabulation
- Removals
- Construction Plans and Profiles
- Erosion Control / SWPPP
- Traffic Control Plan
- Lighting Plans
- Cross Sections at 50' intervals
- All other sections required to complete plans for letting

**Deliverables:** Final design plan submittals, coordination with MnDOT state/federal aid, digital design files, digital and bound hard copies of the final construction plan (11x17)

### **Subtask 11.3 Special Provisions**

**Objective:** Prepare contract documents based on city standards

**Description:** Bolton & Menk will prepare the special provisions in accordance with the most recent version of MnDOT Standard Specifications for Construction and standard county/city specifications for design related items in Microsoft Word and PDF file format. The city and the county will review and add any other required special provisions. We will assemble the proposal and bid documents according to city standards.

**Deliverables:** Hard copy and electronic copy of final plans and specifications

### **Subtask 11.4 Bidding Support**

**Objective:** Assist City staff during bidding.

**Description:** We will host the project on QuestCDN, answer bidders' questions, issue addenda as necessary, attend the bid opening, and tabulate the bids.

**Deliverables:** Bidding addenda, clarification to construction documents, bid tabulation

## **Task 12: Permits and Approvals**

**Objective:** Obtain approval on all required permits

**Description:** We will prepare permit applications, secure city signature, and submit to governing agencies. Permit fees will be paid for by the city.

**Deliverables:** Copies of all submitted permits, including cover letters

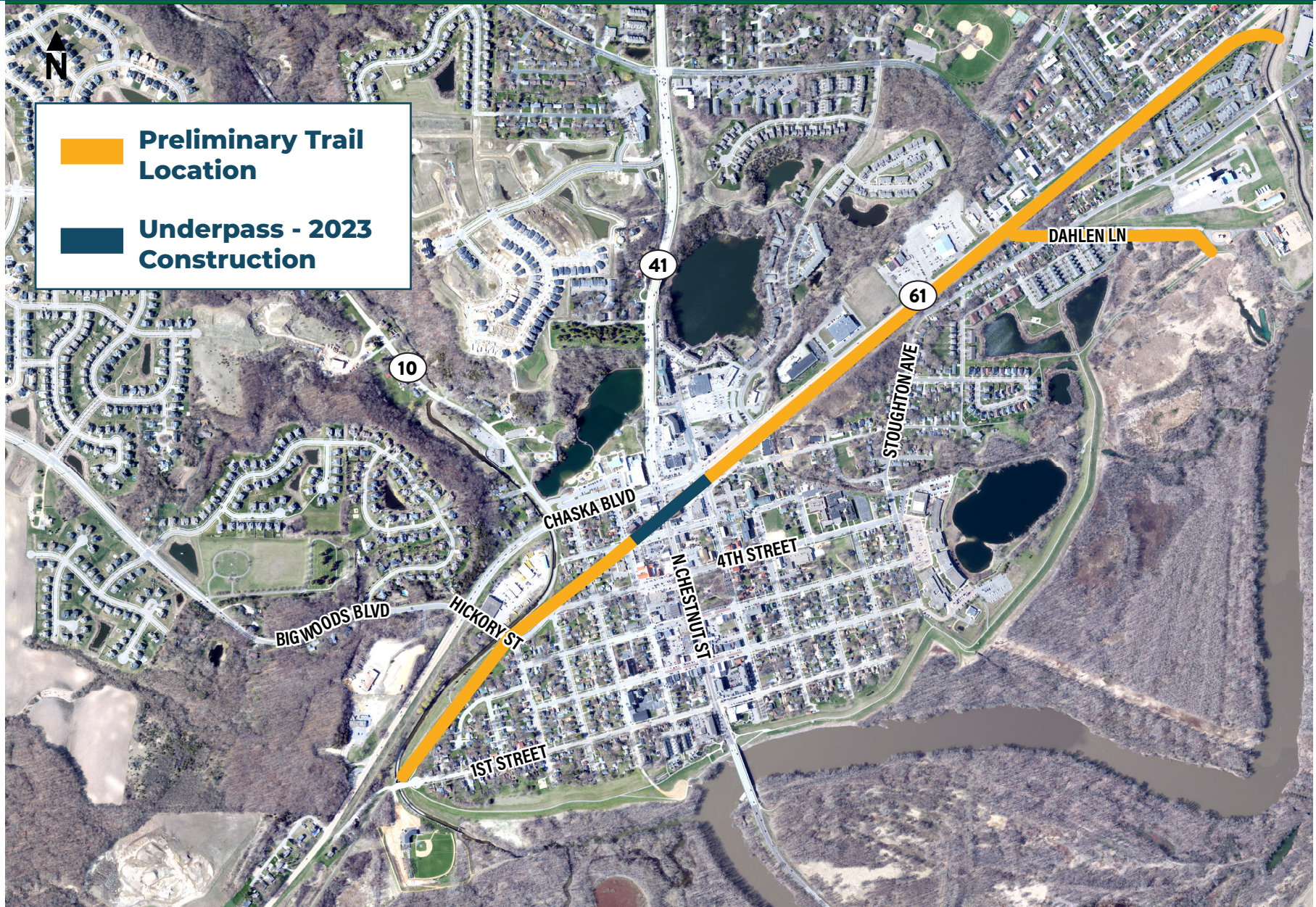
## Fees

The above-described work will be completed as follows on an hourly, not to exceed basis:

| TASKS        |                                           | COST                |
|--------------|-------------------------------------------|---------------------|
| 1.0          | Project Management                        | \$27,864.00         |
| 2.0          | Public and Agency Involvement             | \$45,255.00         |
| 3.0          | Topographic Survey                        | \$34,020.00         |
| 4.0          | Environmental Documentation               | \$31,228.00         |
| 5.0          | Utility Identification and Coordination   | \$4,412.00          |
| 6.0          | Right-of-Way Identification               | \$14,166.00         |
| 7.0          | Drainage Analysis                         | \$21,875.00         |
| 8.0          | Preliminary Design                        | \$30,832.00         |
| 9.0          | Geotechnical Information (Braun Intertec) | \$39,110.00         |
| 10.0         | Structural Design                         | \$85,144.00         |
| 11.0         | Final Design                              | \$73,604.00         |
| 12.0         | Permits and Approvals                     | \$2,048.00          |
| <b>Total</b> |                                           | <b>\$409,558.00</b> |



# Preliminary Trail Map





**COMMISSION INTERVIEWS  
CHASKA CITY COUNCIL  
5/15/2023**

**Subject: Public Improvements – Chaska Bluffs 1<sup>st</sup> Addition**

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

---

Installation of public improvements is completed in Chaska Bluffs 1<sup>st</sup> Addition. Consistent with terms of the Development Agreement, Chaska is in a position to formally accept said improvements as public facilities. Further, the letter of credit guaranteeing those improvements shall be reduced to 5% for a period of 2 years from the date of acceptance.

**CITY COUNCIL ACTION REQUESTED**

Accept public improvements in Chaska Bluffs 1<sup>st</sup> Addition as municipal facilities and adjust letter of credit accordingly.



5/9/2023

Mr. Matt Clark, PE  
City Engineer  
Chaska City Hall  
One City Hall Plaza  
Chaska, MN 55318

Subject: Letter of Credit #110225139

Dear Mr. Clark:

The warranty period for Chaska Bluff Phase #1 was completed on April 19<sup>th</sup>, 2023. City staff has reviewed the development and find it ready for final acceptance. We request that the City of Chaska accept the improvements within the development and release the Letter of Credit in the amount of \$50,433.

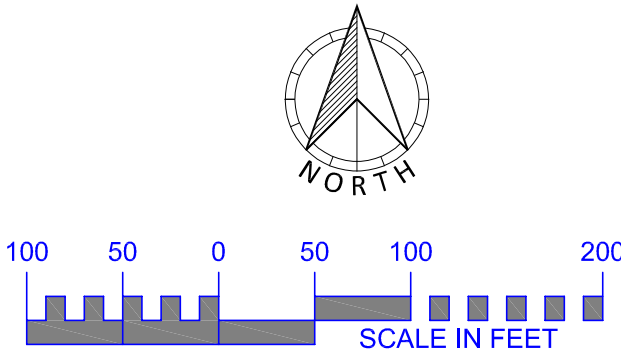
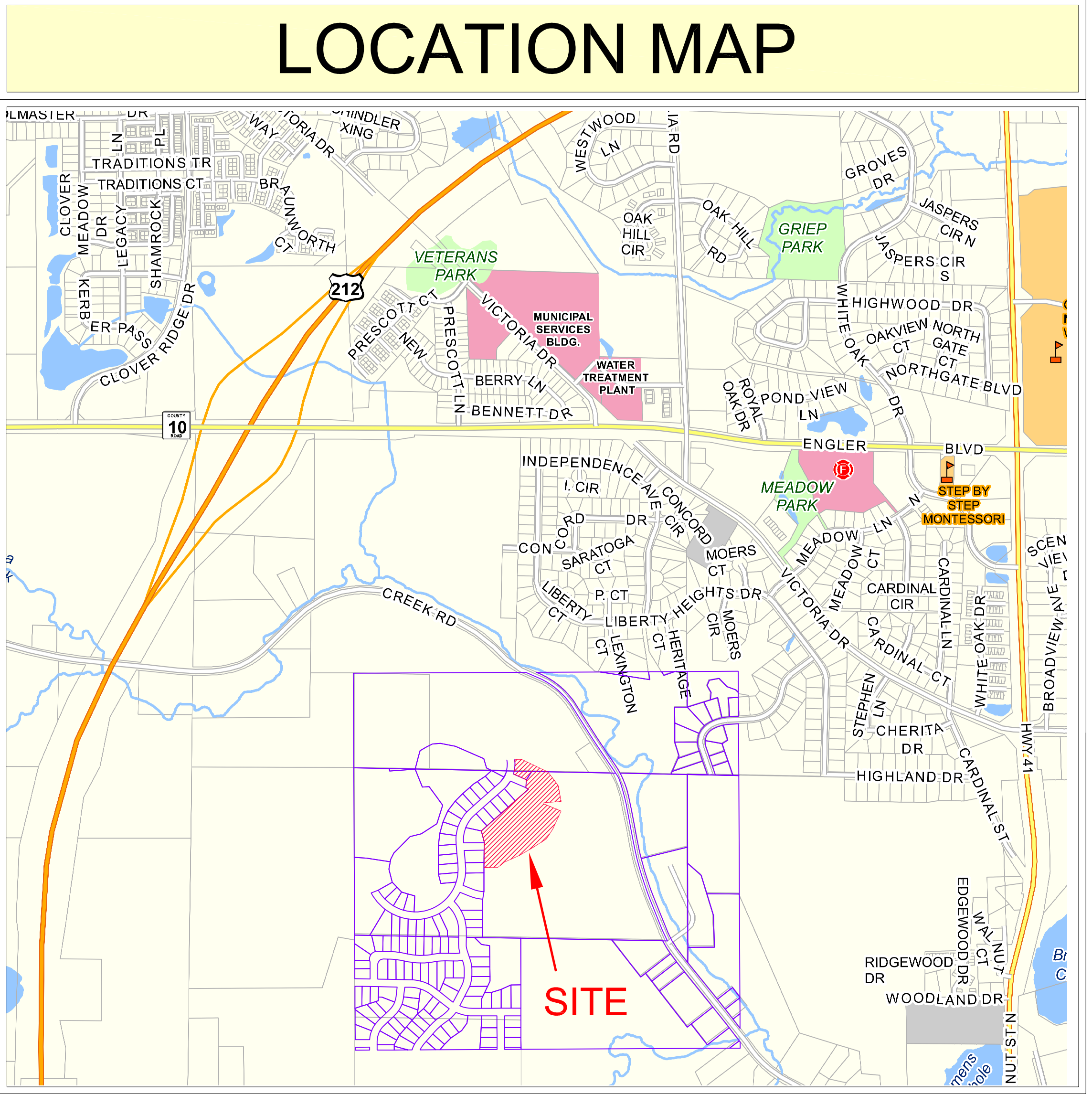
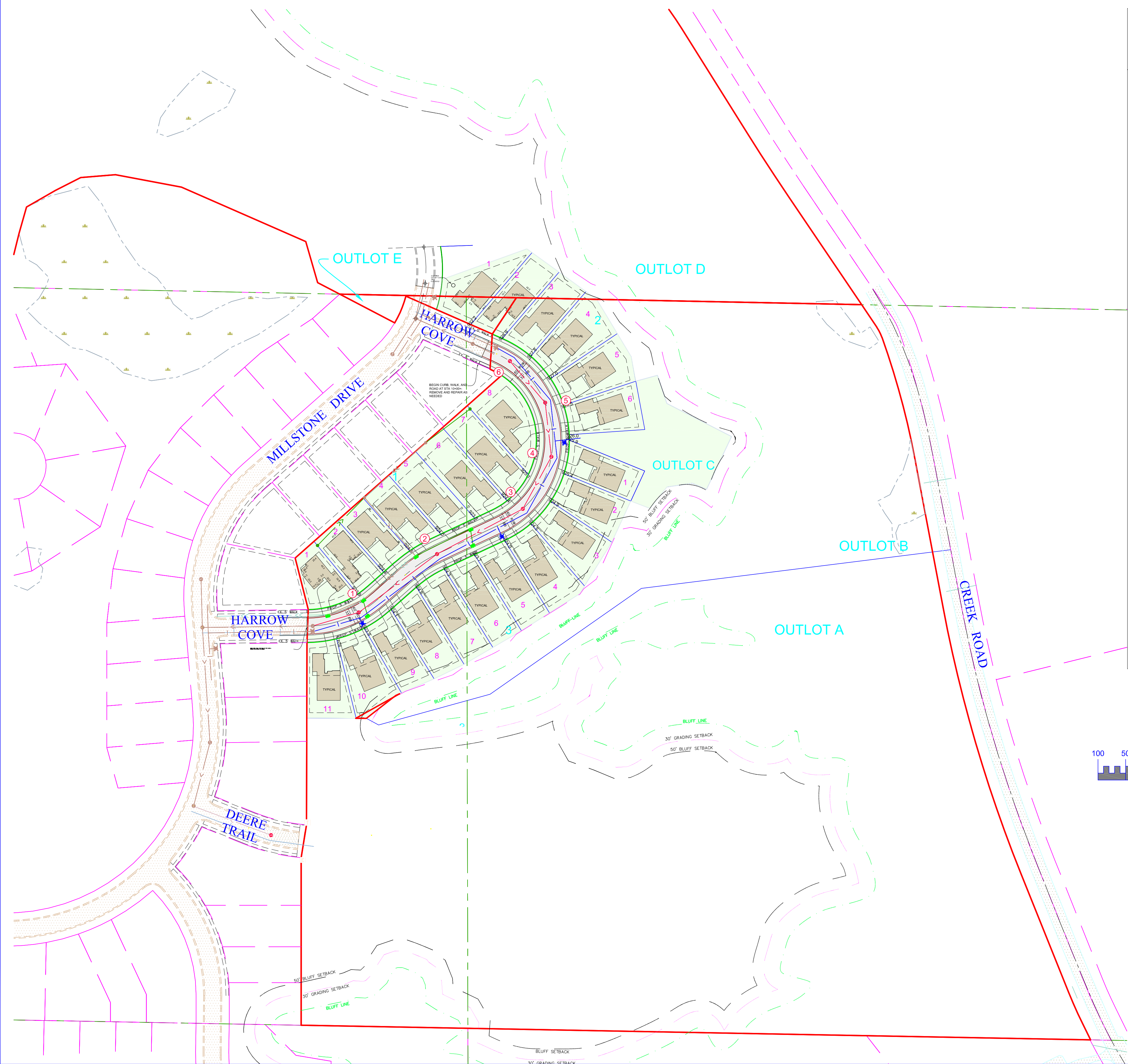
If you have any questions, please contact me at (952)233-2728.

Sincerely,

A handwritten signature in blue ink, appearing to read "T. Heiland", with a long, sweeping horizontal stroke extending to the right.

Tim R. Heiland





| SITE DATA                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LOT STANDARDS</b><br>EXISTING ZONING: O - Open Development<br><br>COMPREHENSIVE PLAN:<br>PROPOSED ZONING:<br>NORTH SINGLE FAMILY LOTS - VILLAS<br>MIN. FRONT SETBACK = 20'<br>MIN. SIDE YARD SETBACK = 5.0' / 5.0'<br>REAR YARD SETBACK = 20' DUE TO BLUFF SETBACK |
| <b>LOT COUNT</b><br>NORTH LOTS - 25                                                                                                                                                                                                                                   |

| SHEET INDEX TABLE |                                      |
|-------------------|--------------------------------------|
| SHEET             | Description                          |
| 1                 | Title Sheet                          |
| 2-3               | Preliminary Street Plan              |
| 4-5               | Preliminary Sewer and Watermain Plan |
| 6-7               | Preliminary Storm Plan               |
| 8-9               | Preliminary Grading Plan             |
| 10                | Preliminary Erosion Control Plan     |
| 11-13             | City Details                         |

| PREPARED BY                                                                                                                                                                                                             | PREPARED FOR                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENGINEER<br><a href="#">SATHRE-BERGQUIST, INC.</a><br>150 SOUTH BROADWAY<br>WAYZATA, MINNESOTA 55391<br><br>PHONE: (952) 476-6000<br>FAX: (952) 476-0104<br><br>CONTACT: DANIEL L. SCHMIDT<br>EMAIL: SCHMIDT@SATHRE.COM | DEVELOPER<br><a href="#">DDK CONSTRUCTION, INC.</a><br>2970 Chaska Blvd.<br>CHASKA, MN 55318<br><br>CONTACT: DAVE POKORNEY<br><br>PHONE: (612) 703-5709<br>EMAIL: DAVEPOKORNEY@GMAIL.COM |

| DRAWING NAME | NO. | BY  | DATE       | REVISIONS                         |
|--------------|-----|-----|------------|-----------------------------------|
| CLUB WEST    | 03  | DLS | 02/01/2018 | CITY COMMENTS                     |
| DRAWN BY     | 04  | DLS | 02/27/2018 | CITY COMMENTS                     |
| CHF          | 05  | DLS | 03/05/2018 | ALTERNATIVE GRADING LOT 1 BLOCK 2 |
| CHECKED BY   | 06  | DLS | 04/20/2018 | REVISE LOTS 1,2,3 BLOCK 2         |
| DLS          | 07  | DLS | 04/02/2019 | FINAL PRINT SET                   |
| DATE         | 08  | DLS | 04/10/2019 | FINAL PRINT SET                   |
| 08/29/17     |     |     |            |                                   |

USE (INCLUDING COPYING, DISTRIBUTION, AND/OR CONVEYANCE OF INFORMATION) OF THIS PRODUCT IS STRICTLY PROHIBITED WITHOUT SATHRE-BERGQUIST, INC.'S EXPRESS WRITTEN AUTHORIZATION. USE WITHOUT SAID AUTHORIZATION CONSTITUTES AN ILLEGITIMATE USE AND SHALL THEREBY INDEMNIFY SATHRE-BERGQUIST, INC. OF ALL RESPONSIBILITY. SATHRE-BERGQUIST, INC. RESERVES THE RIGHT TO HOLD ANY ILLEGITIMATE USER OR PARTY LEGALLY RESPONSIBLE FOR DAMAGES OR LOSSES RESULTING FROM ILLEGITIMATE USE.

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

*Daniel L. Schmidt*  
Daniel L. Schmidt, P.E.  
Date: 08/29/17 Lic. No. 26147

ENGINEERS  
DESIGNERS  
SURVEYORS  
PLANNERS

**SATHRE-BERGQUIST, INC.**  
150 SOUTH BROADWAY WAYZATA, MN. 55391 (952) 476-6000

| CITY PROJECT NO.  | TITLE SHEET                             | FILE NO.  |
|-------------------|-----------------------------------------|-----------|
| CHASKA, MINNESOTA | CHASKA BLUFFS<br>DDK CONSTRUCTION, INC. | 19000-072 |
|                   |                                         | 1         |
|                   |                                         | 13        |



## **SETTLEMENT AGREEMENT AND RELEASE**

Patrick K. Poppler and Stephanie M. Poppler (the "Popplers") and the City of Chaska (the "City") enter into the following Settlement Agreement and Release (the "Agreement"). The Popplers and the City may be referenced individually within this Agreement as "Party" and collectively within this Agreement as the "Parties."

### **RECITALS**

**WHEREAS**, the Parties are parties to a civil action captioned *Patrick K. Poppler and Stephanie Poppler v. Marvin H. Davidson and Patricia Davidson, Benjamin Gieseke and Elizabeth Gieseke, as joint tenants, Hiway Federal Credit Union, John Emery and Alisen J. Kendall, Daniel R. Schepers, the City of Chaska, and also the other persons unknown, claiming any right, title, estate, interest, or lien in the real estate described in the Complaint herein*, Carver County Court File No. 10-CV-21-670 (the "Lawsuit").

**WHEREAS**, in the Lawsuit, the Popplers desired to quiet title to certain real property legally described as follows:

Lot 5, Block 1, and the Easterly 4 feet of Lot 6, Block 1, Hensel's First Addition, Carver County, MN. (the "Property").

**WHEREAS**, the City holds certain utility easement rights and interests of record in the Property including, but not limited to, a platted utility easement 10 feet in width along the northerly boundary of the Property and a public street known as Third Street has been dedicated on the plat for HENSEL'S FIRST ADDITION, City of Chaska, Minnesota, which lies south of the Property and real property identified in the Popplers' Complaint as the "Gieseke Property."

**WHEREAS**, the City filed an Answer to the Lawsuit, seeking a dismissal with prejudice and on the merits of any claims asserted by the Popplers against the City.

**WHEREAS**, the Popplers agree and acknowledge that any claims asserted against the City in the Lawsuit are barred pursuant to Minn. Stat. § 541.01 et. seq. as the Popplers are precluded from divesting the City's rights in public property including but not limited to, the utility and public street easements dedicated on the plat of HENSEL'S FIRST ADDITION, Carver County, Minnesota.

**WHEREAS**, the Popplers agree and acknowledge that any claims asserted against the City in the Lawsuit shall be dismissed with prejudice in their entirety and on their merits.

**WHEREAS**, to avoid the costs and uncertainty of litigation, the Parties wish to resolve any and all disputes and claims arising from or which were asserted or could have been asserted by the Popplers against the City in the Lawsuit.

**NOW, THEREFORE**, in consideration of the promises and mutual covenants and provisions of this Agreement, which the Parties agree constitute good and sufficient consideration, the Parties agree as follows:



## **AGREEMENT**

1. **Recitals Incorporated.** The recitals above are incorporated herein by reference.
2. **Sufficiency of Consideration.** The Parties agree that the consideration described in this Agreement constitutes full and adequate consideration for this Agreement.
3. **Release of Claims.** Based on the consideration described within this Agreement, the Popplers, for themselves, their successors, assigns, owners, agents, officers, directors and anyone else acting on their behalf, release, waive, surrender, and forever discharge the City and its successors, assigns, owners, agents, officers, and directors from all claims, actions, causes of action, suits, debts, damages, liabilities, claims for attorney's fees, costs, expenses, counterclaims, cross-claims, injunctive relief, declaratory relief, claims for contribution, claims for indemnity, claims for subrogation, claims on surety or other bonds, judgments, demands, in law or equity, of whatever kind, nature, whether known or unknown, suspected or unsuspected, fixed or contingent, apparent or concealed, which were asserted or could have been asserted in the Lawsuit.
4. **Dismissal of Lawsuit with Prejudice.** Upon execution of this Agreement, the Parties will execute and file a Stipulation for Dismissal with Prejudice and Order, dismissing the Action with prejudice, on the merits, and without fees or costs to any Party.
5. **Non-Admission.** The Parties agree nothing in this Agreement is an admission by any Party of any wrongdoing or violation of any law, and nothing in this Agreement shall be so construed by anyone. Each Party denies liability on every Claim that was or could have been asserted by any other Party.
6. **Costs and Fees.** Each Party shall bear its own respective costs and attorneys' fees.
7. **Binding Agreement.** This Agreement shall be binding upon and inure to the benefit of the Parties and their respective agents, servants, employees, officers, directors, principals, affiliated entities, shareholders, successors, insurers and assigns.
8. **Voluntary and Knowing Action.** The Parties acknowledge that they have had the opportunity to consult an attorney regarding the terms of this Agreement. The Parties further acknowledge they that have read and understand the terms of this Agreement and that each is voluntarily and without duress entering into this Agreement with full knowledge of its implications.
9. **Authority to Enter Agreement.** Each person signing below represents and warrants that he or she has the full right and power to enter into this Agreement on behalf of the Party on whose behalf he or she is signing the Agreement and has the full right and power to grant the rights, releases, and covenants as set forth within this Agreement.
10. **Authority to Bind Others.** To the extent a Party grants any rights or makes any other promises (including representations or warranties) on behalf of another entity, that Party represents and warrants that it has the authority to legally bind such other entity to such

grants and promises.

11. **Invalidity.** If one or more of the provisions of this Agreement should be found to be invalid, illegal, or unenforceable in any respect, the validity, legality or enforceability of the remaining provisions contained in this Agreement will not, in any way, be affected or impaired thereby.
12. **Governing Law, Jurisdiction, and Venue.** This Agreement shall be construed and interpreted in accordance with the laws of the State of Minnesota. Any disputes related to this Agreement shall be decided in a state or federal court venued in the State of Minnesota and all Parties irrevocably consent to the personal jurisdiction of such courts.
13. **Entire Agreement.** This Agreement sets forth the entire agreement between the Parties hereto and fully supersedes any and all prior or contemporaneous agreements or understandings, whether written or oral, between the Parties pertaining to the subject matter discussed within this Agreement.
14. **Effect of Headings.** The subject headings of this Agreement are included for purposes of convenience and shall not affect the construction or interpretation of any of its provisions.
15. **Modifications to Agreement.** No supplement, modification, or amendment to this Agreement shall be binding or effective unless executed in writing by all of the Parties to this Agreement.
16. **Counterparts.** This Agreement may be executed in counterparts. Signature by email, facsimile or PDF shall be deemed an original signature for purposes of this Agreement.
17. **Effective Date.** This Agreement shall be final and immediately effective on the date after which all Parties have signed this Agreement (the "Effective Date").
18. **Construction of Agreement and Counsel.** The Parties have participated freely in the negotiation and preparation of this Agreement. In the event that any ambiguity or question of intent or interpretation arises, this Agreement will be construed as if drafted jointly by the Parties, and no presumption or burden of proof will arise favoring or disfavoring any Party by virtue of the authorship of any of the provisions of this Agreement.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the date(s) set forth below.

COUNTERPART SIGNATURE PAGES TO FOLLOW

**COUNTERPART SIGNATURE PAGE TO THE SETTLEMENT AGREEMENT AND  
MUTUAL RELEASE BETWEEN PATRICK K. POPPLER AND STEPHANIE  
POPPLER AND CITY OF CHASKA**

Dated: \_\_\_\_\_

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

Dated: \_\_\_\_\_

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

**COUNTERPART SIGNATURE PAGE TO THE SETTLEMENT AGREEMENT AND  
MUTUAL RELEASE BETWEEN PATRICK K. POPPLER AND STEPHANIE  
POPPLER AND CITY OF CHASKA**

Dated: 4-19-2023

**PATRICK K. POPPLER**

By: Patrick K. Poppler

Dated: 4-19-2023

**STEPHANIE POPPLER**

By: Stephanie M. Poppler

# **MELCHERT • HUBERT • SJODIN, PLLP**

## **MEMORANDUM**

DATE: May 10, 2023

TO: Chaska City Council

FROM: Jacob M. Saufley, Esq.

RE: Settlement and Release from the Quiet Title Action Filed in Carver County District Court as Case No. 10-CV-21-671 by Patrick and Stephanie Poppler

---

Patrick and Stephanie Poppler filed a quiet title action to resolve a boundary line / encroachment dispute with their immediate neighbors in regard to the Poppler property located at Lot 5, Block 1, and the Easterly 4 feet of Lot 6, Block 1, Hensel's First Addition (the "Property"). In their complaint, Popplers presumably named all parties having an interest in certain, identified real estate as defendants in the action, including the City. The City's real estate interests include easements for rights-of-way on Third Street and drainage and utilities along boundaries of the Property and other real estate identified in the complaint.

The City filed a response in Carver County District Court to defend against any negative impacts that could result from the action. In its answer to the Popplers' complaint, the City requested that the Popplers' claims against the City be dismissed with prejudice. The Popplers agreed to dismiss the City from this litigation and release any claims seeking to alter the City's real estate interests affecting the Property and other real estate identified in the complaint.

In furtherance thereof, the Popplers executed this Settlement Agreement and Release (the "Settlement"). Matt McDougall, Esq. defended the City in this matter and negotiated the Settlement. We recommend that the City Council approve the Settlement to resolve the City's involvement in this matter.

I want to clarify that this litigation matter is not related to any other disputes with the Poppler family and acceptance of this Settlement does not in any way affect other legal matters.

**CITY OF CHASKA  
CARVER COUNTY, MINNESOTA**

**RESOLUTION**

**DATE** May 15, 2023 **RESOLUTION NO.** 2023-47

**MOTION BY COUNCILMEMBER** \_\_\_\_\_ **SECOND BY COUNCILMEMBER** \_\_\_\_\_

---

**Resolution to Approve the Settlement Agreement and Release in the Quiet Title  
Action Filed by Patrick and Stephanie Poppler in Carver County District Court as File  
No. 10-CV-21-671**

---

**WHEREAS**, a boundary line dispute exists between two neighboring residential property owners within the City regarding Lots 5 and 6, Block 1 of Hensel's First Addition; and

**WHEREAS**, to resolve the boundary dispute, one property owner, Patrick and Stephanie Poppler (the "Plaintiff"), served the City with a summons and complaint on August 27, 2021 and filed the action in Carver County District Court on August 31, 2021 (the "Action");

**WHEREAS**, the Action names several parties as defendants, including the City, which has real estate interests in certain right-of-way easements and drainage and utility easements abutting the Plaintiff's property as detailed in the Action;

**WHEREAS**, the matter was referred to the City Attorney and Matt McDougall, Esq. defended the City in the Action;

**WHEREAS**, attorney McDougall filed necessary court pleadings and engaged with Plaintiff's counsel to seek the City's dismissal from the Action;

**WHEREAS**, Plaintiff has agreed that there is no dispute regarding the validity of the City's respective real estate interests and Plaintiff does not seek to disturb or challenge the City's interests therein;

**WHEREAS**, attorney McDougall has obtained a Settlement Agreement and Release through negotiations with Plaintiff's legal counsel (the "Settlement") (attached as EXHIBIT A), which has been executed by Plaintiff and will release the City from the Action once approved and signed;

**WHEREAS**, after the Settlement is approved and signed, attorney McDougall can file the necessary pleadings to cause the District Court to dismiss the City from the Action;

*[Continued on the Following Page]*



**NOW, THEREFORE, BE IT RESOLVED** by the City Council for the City of Chaska, having considered the proposed resolution and having then found that approval of the resolution to be in the best interest of the public hereby approves this resolution and declares as follows:

1. The City Council approves the Settlement and directs the City Attorney to finalize the same and take actions necessary to represent and defend the City's interests in this matter until is concluded.

Passed and adopted by the City Council of the City of Chaska this 15th day of May 2023.

\_\_\_\_\_  
Mark Windschitl, Mayor

ATTEST: \_\_\_\_\_  
Denise Beebe, Senior City Clerk

## EXHIBIT A

### SETTLEMENT AGREEMENT AND RELEASE

Patrick K. Poppler and Stephanie M. Poppler (the "Popplers") and the City of Chaska (the "City") enter into the following Settlement Agreement and Release (the "Agreement"). The Popplers and the City may be referenced individually within this Agreement as "Party" and collectively within this Agreement as the "Parties."

### RECITALS

**WHEREAS**, the Parties are parties to a civil action captioned *Patrick K. Poppler and Stephanie Poppler v. Marvin H. Davidson and Patricia Davidson, Benjamin Gieseke and Elizabeth Gieseke, as joint tenants, Hiway Federal Credit Union, John Emery and Alisen J. Kendall, Daniel R. Schepers, the City of Chaska, and also the other persons unknown, claiming any right, title, estate, interest, or lien in the real estate described in the Complaint herein*, Carver County Court File No. 10-CV-21-670 (the "Lawsuit").

**WHEREAS**, in the Lawsuit, the Popplers desired to quiet title to certain real property legally described as follows:

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**WHEREAS**, the City filed an Answer to the Lawsuit, seeking a dismissal with prejudice and on the merits of any claims asserted by the Popplers against the City.

**WHEREAS**, the Popplers agree and acknowledge that any claims asserted against the City in the Lawsuit are barred pursuant to Minn. Stat. § 541.01 et. seq. as the Popplers are precluded from divesting the City's rights in public property including but not limited to, the utility and public street easements dedicated on the plat of HENSEL'S FIRST ADDITION, Carver County, Minnesota.

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**NOW, THEREFORE**, in consideration of the promises and mutual covenants and provisions of this Agreement, which the Parties agree constitute good and sufficient consideration, the Parties agree as follows:

## **AGREEMENT**

1. **Recitals Incorporated.** The recitals above are incorporated herein by reference.
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4. **Dismissal of Lawsuit with Prejudice.** Upon execution of this Agreement, the Parties will execute and file a Stipulation for Dismissal with Prejudice and Order, dismissing the Action with prejudice, on the merits, and without fees or costs to any Party.
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IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the date(s) set forth below.

COUNTERPART SIGNATURE PAGES TO FOLLOW

**COUNTERPART SIGNATURE PAGE TO THE SETTLEMENT AGREEMENT AND  
MUTUAL RELEASE BETWEEN PATRICK K. POPPLER AND STEPHANIE  
POPPLER AND CITY OF CHASKA**

Dated: \_\_\_\_\_

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

Dated: \_\_\_\_\_

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

**COUNTERPART SIGNATURE PAGE TO THE SETTLEMENT AGREEMENT AND  
MUTUAL RELEASE BETWEEN PATRICK K. POPPLER AND STEPHANIE  
POPPLER AND CITY OF CHASKA**

Dated: 4-19-2023

**PATRICK K. POPPLER**

By: Patrick K. Poppler

Dated: 4-19-2023

**STEPHANIE POPPLER**

By: Stephanie M. Poppler

# **REQUEST FOR ACTION**

## **CHASKA CITY COUNCIL**

### **May 15, 2023**

**Subject:** **Adopt Resolution No. 2023-48 Granting Preliminary Approval to a Multifamily Housing Revenue Bond Financing on behalf of Chaska Brickstone II, LLC**

**Prepared By:** Noel Graczyk

---

#### **Background**

Sand Companies, Inc. and Chaska Brickstone II, LLC have together approached the City for assistance with issuance of conduit debt in an amount not to exceed \$6 million to finance the acquisition, substantial rehabilitation, and equipping of an existing 30-unit multifamily rental housing development known as Brickstone Townhomes, which is located at 850 Walnut Place in Chaska. Issuance of this conduit debt will require multiple actions by the City Council over the next several months.

The first action is adoption of the proposed resolution, as attached, preliminarily approving issuance of conduit debt in the form of multifamily housing revenue bonds. The resolution also authorizes the submission of an application to the State of Minnesota Department of Management and Budget (MMB) for an allocation of bonding authority and authorizes the preparation and submission of a housing program. A public hearing will need to be conducted prior to issuance of the bonds, and the proposed resolution authorizes and directs the City Administrator to publish a public notice for the public hearing.

Chaska Brickstone II, LLC will be obligated (as the Obligor) to repay principal and interest when due on all outstanding bonds issued as conduit debt. The City (as Issuer) will not pledge to repay principal and interest when due on the conduit debt nor will the City have a moral obligation to repay principal or interest on any outstanding bonds. Using City issuance authority to issue conduit debt will reduce borrowing costs for Chaska Brickstone II, LLC and assist in their efforts to provide housing to families of low and moderate income.

#### **Update**

Staff at the City are working with City Bond Counsel, Mr. Nate Canova with Dorsey & Whitney LLP to complete requirements of both the City and Chaska Brickstone II, LLC for issuance of conduit debt in the form of multifamily housing revenue bonds. Following adoption of the proposed resolution, an application to MMB will be submitted to obtain an allocation under the volume cap for issuance of housing bonds. Awarding of this allocation is anticipated in July followed by an anticipated public hearing as early as August.

#### **Recommendation**

Staff will recommend adoption of the proposed resolution.



**CITY COUNCIL ACTION REQUESTED**

Motion to adopt Resolution 2023-48 granting preliminary approval to a multifamily housing revenue bond financing of behalf of Chaska Brickstone II, LLC.

CERTIFICATION OF MINUTES GRANTING PRELIMINARY APPROVAL TO A  
MULTIFAMILY HOUSING REVENUE BOND FINANCING ON BEHALF OF CHASKA  
BRICKSTONE II, LLC.

Issuer: City of Chaska, Minnesota

Governing Body: City Council

Kind, date, time and place of meeting: A regular meeting held on May 15, 2023, at 7:00 p.m. at City Hall.

Members present:

Members absent:

Documents Attached:

Minutes of said meeting (pages):

RESOLUTION NO. 2023-48

GRANTING PRELIMINARY APPROVAL TO THE ISSUANCE OF  
MULTIFAMILY HOUSING REVENUE BONDS (BRICKSTONE  
TOWNHOMES); AUTHORIZING THE SUBMISSION OF AN APPLICATION  
FOR AN ALLOCATION OF BONDING AUTHORITY UNDER MINNESOTA  
STATUTES, CHAPTER 474A; AUTHORIZING THE PREPARATION OF A  
HOUSING PROGRAM PURSUANT TO MINNESOTA STATUTES, CHAPTER  
462C; AND AUTHORIZING A PUBLIC HEARING AND PUBLICATION OF  
A NOTICE THEREOF

I, the undersigned, being the duly qualified and acting recording officer of the entity issuing the obligations referred to in the title of this certificate, certify that the documents attached hereto, as described above, have been carefully compared with the original records of said corporation in my legal custody, from which they have been transcribed; that said documents are a correct and complete transcript of the minutes of a meeting of the governing body of said corporation, and correct and complete copies of all resolutions and other actions taken and of all documents approved by the governing body at said meeting, so far as they relate to said obligations; and that said meeting was duly held by the governing body at the time and place and was attended throughout by the members indicated above, pursuant to call and notice of such meeting given as required by law.

WITNESS my hand officially as such recording officer on May 15, 2023.

---

City Administrator

CITY OF CHASKA, MINNESOTA

RESOLUTION NO. 2023-48

GRANTING PRELIMINARY APPROVAL TO THE ISSUANCE OF MULTIFAMILY HOUSING REVENUE BONDS (BRICKSTONE TOWNHOMES); AUTHORIZING THE SUBMISSION OF AN APPLICATION FOR AN ALLOCATION OF BONDING AUTHORITY UNDER MINNESOTA STATUTES, CHAPTER 474A; AUTHORIZING THE PREPARATION OF A HOUSING PROGRAM PURSUANT TO MINNESOTA STATUTES, CHAPTER 462C; AND AUTHORIZING A PUBLIC HEARING AND PUBLICATION OF A NOTICE THEREOF

BE IT RESOLVED by the City Council (this “Council”) of the City of Chaska, Minnesota (the “City”), as follows:

Section 1. It is hereby found, determined and declared:

1.01. The City of Chaska, Minnesota (the “Issuer” or the “City”) is a municipal corporation duly organized and existing under the Constitution and laws of the State of Minnesota.

1.02. Pursuant to Minnesota Statutes, Chapter 462C, as amended (the “Housing Act”), the Issuer is authorized to carry out the public purposes described in the Housing Act by issuing revenue bonds or other obligations to finance or refinance multifamily housing developments, and as a condition to the issuance of such revenue bonds, adopt a housing program providing the information required by Section 462C.03, subdivision 1a of the Housing Act.

1.03. In the issuance of revenue bonds to finance multifamily housing developments, the Issuer may exercise within its corporate limits any of the powers the Minnesota Housing Finance Agency may exercise under Minnesota Statutes, Chapter 462A, as amended, including without limitation under the provisions of Minnesota Statutes, Chapter 475, as amended.

1.04. Sand Companies, Inc., a Minnesota corporation, and Chaska Brickstone II, LLC, a Minnesota limited liability company, have requested that the City issue one or more series of multifamily housing revenue bonds or other obligations (the “Bonds”), in an aggregate principal amount not to exceed \$6,000,000, under the provisions of the Housing Act to assist in the financing of the acquisition, substantial rehabilitation, and equipping of an existing 30-unit multifamily rental housing development and facilities functionally related and subordinate thereto, known as Brickstone Townhomes, located at 850 Walnut Place in the City of Chaska, Minnesota, for occupancy by persons and families of low and moderate income (the “Project”), to be initially owned, developed and operated by Chaska Brickstone II, LLC, or an affiliate (together with its affiliates or assigns, the “Borrower”).

1.05. Under Section 147(f) of the Internal Revenue Code of 1986, as amended (the “Code”), prior to the issuance of the Bonds a public hearing duly noticed must be held by the City Council of the City (the “City Council”). Under Section 462C.04, subdivision 2 of the Housing Act, a public hearing must be held on a housing program with respect to the Project (the “Housing

Program”) after one publication of notice in a newspaper circulating generally in the City, at least fifteen (15) days before the hearing.

1.06. Under Section 146 of the Code, the Bonds must receive an allocation of the bonding authority of the State of Minnesota, and an application for such an allocation must be made pursuant to the requirements of Minnesota Statutes, Chapter 474A, as amended (the “Allocation Act”).

1.07. The City Council may grant preliminary approval to the issuance of the Bonds to finance the multifamily housing development referred to in the Housing Program, and may authorize the submission of an application to the State of Minnesota Department of Management and Budget (“MMB”) for an allocation of bonding authority with respect to the Bonds to finance the Project in accordance with the requirements of Section 146 of the Code and the Allocation Act.

Section 2. The Project and the issuance of the Bonds therefore, in one or more series of tax-exempt or taxable bonds or notes in an amount not to exceed \$6,000,000, are hereby given preliminary approval by the Issuer, subject to mutual agreement of the Issuer, the Borrower, and the initial purchaser of the Bonds as to the details of the Bonds and provisions for their payment. In all events, it is understood, however, that the Bonds shall not constitute a charge, lien or encumbrance, legal or equitable, upon any property of the Issuer, except the Issuer’s interest in the loan agreement with the Borrower for the Project and security pledged to the payment thereof. The Bonds, when, as, and if issued, shall recite in substance that the Bonds, including interest thereon, are payable solely from the revenues received from the Project and property and security pledged to the payment thereof, and shall not constitute general or moral obligations of the Issuer.

Section 3. The Bonds will be payable solely from the revenues of the Project and other money and security, if any, provided by the Borrower, and the Bonds will not constitute or give rise to a pecuniary liability of the Issuer or a charge against the general credit, full faith and credit, or taxing powers of the Issuer.

Section 4. No holder of any such Bonds shall ever have the right to compel any exercise of the taxing power of the Issuer to pay the Bonds, or the interest thereon, nor to enforce payment against any property of the Issuer, except revenues of the Project to be paid to the Issuer and pledged to the Bonds.

Section 5. The Borrower may incur expenditures for the Project prior to the issuance of the Bonds therefor, and such expenditures may be reimbursed from proceeds of the Bonds, when, and if issued. This resolution shall constitute an “official intent” to reimburse such expenditures for purposes of Treasury Regulations, Section 1.150-2.

Section 6. The City Administrator and other officials, employees, and agents of the Issuer, with the assistance of the Borrower and Dorsey & Whitney LLP, as bond counsel to the Issuer (“Bond Counsel”), are authorized and directed to prepare and submit an application to MMB for an allocation of bonding authority for the Project and the Bonds to be issued therefor in an amount not to exceed \$6,000,000, pursuant to the Allocation Act.

Section 7. The officials, employees, and agents of the Issuer are hereby authorized to receive money from the Borrower for the payment of the deposit and fee required to be paid to

MMB under the Allocation Act in connection with the application for an allocation of bonding authority. The officials, employees, and agents of the Issuer are further authorized to disburse to the Borrower any money returned to the Issuer by MMB in connection with such application.

Section 8. The City Administrator and other officers, employees and agents of the Issuer are hereby authorized to: (i) prepare the Housing Program in accordance with the requirements of the Act; (ii) submit the Housing Program to the Metropolitan Council for its review and comments in accordance with Section 462C.04, subdivision 2 of the Housing Act; and (iii) participate in the preparation and review of necessary documents relating to the Project and the Bonds issued in connection therewith.

Section 9. The Borrower will be responsible for paying any and all costs incurred by the Issuer in connection with the Bonds and the Project, including reasonable costs that the Issuer may incur for legal counsel and any reasonable fees the Issuer may charge, whether or not the Project is carried to completion, and whether or not the Bonds or operative instruments are executed.

Section 10. The adoption of this resolution does not constitute a guaranty or firm commitment that the Issuer will issue the Bonds as requested by the Borrower. The Issuer retains the right, in its sole discretion, to withdraw from participation and accordingly not to issue the Bonds, or issue the Bonds in an amount less than the amount referred to herein should the Issuer at any time prior to issuance thereof determine that it is in the best interest of the Issuer not to issue the Bonds, or to issue the Bonds in an amount less than the amount referred to herein, or should the parties to the transaction be unable to reach agreement as to the terms and conditions of any of the documents required for this transaction, including substantial changes to the affordability level, unit mix, scale, scope, or cost of the Project.

Section 11. A public hearing on the Housing Program relating to the Project and the issuance of the Bonds shall be held before the City Council on a date, and at a time and place, as is deemed appropriate by the City Administrator. The City Administrator shall publish notice of the public hearing, in substantially the form attached hereto as EXHIBIT A in the *Chaska Herald*, the official newspaper of the City and a newspaper of general circulation in the City. The notice shall be published at least once, at least 15 days prior to the date of the public hearing, but not more than 30 days prior to the date of the public hearing, and a copy of the Housing Program shall be submitted to the Metropolitan Council for review and comment on or before the date of publication of the notice.

Upon vote being taken upon the foregoing resolution, the following voted in favor thereof:

and the following voted against the same:

whereupon the resolution was declared duly passed and adopted.

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## EXHIBIT A

### FORM OF NOTICE OF PUBLIC HEARING

#### NOTICE OF PUBLIC HEARING ON THE ISSUANCE OF REVENUE BONDS TO FINANCE A MULTIFAMILY HOUSING DEVELOPMENT UNDER MINNESOTA STATUTES, CHAPTER 462C, AS AMENDED

NOTICE IS HEREBY GIVEN that the City Council (the “City Council”) of the City of Chaska, Minnesota (the “City”) will hold a public hearing on [\_\_\_\_], 20[\_\_\_\_], beginning at 7:00 p.m., in the Council Chambers on the second floor of Chaska City Hall located at One City Hall Plaza in the City, to consider a housing program (the “Housing Program”) prepared under the provisions of Minnesota Statutes, Chapter 462C, as amended (the “Act”), for the issuance by the City of revenue bonds or other obligations (the “Bonds”) to finance a multifamily housing development located within the City. The Bonds are proposed to be issued in an aggregate principal amount not to exceed \$6,000,000. The Bonds may be issued in one or more series of tax-exempt or taxable obligations.

The project proposed to be financed under the Housing Program consists of the substantial rehabilitation of an existing 30-unit multifamily rental housing development and facilities functionally related and subordinate thereto, known as Brickstone Townhomes, located at 850 Walnut Place in Chaska, Minnesota, for occupancy by persons and families of low and moderate income (the “Project”). The Project will be owned, developed and initially operated by Chaska Brickstone II, LLC, a Minnesota limited liability company, or an affiliate thereof (together with its affiliates or assigns, the “Borrower”). The Bonds will be issued by the City and will be special, limited obligations of the City payable solely from the revenues pledged to the payment thereof. The Bonds will not constitute general or moral obligations of the City or the State of Minnesota, or any political subdivision thereof, and will not be secured by any taxing powers of the City or other assets of the City (other than the interests of the City in the Project).

At said time and place all parties who appear will be given an opportunity to express their views with respect to the Housing Program and the proposal to issue the Bonds to finance the Housing Program and the Project.

Visit [www.chaskamn.com](http://www.chaskamn.com) to learn more about participating or watching city meetings. Any questions about how to participate should be directed to the Chaska Communications Department at [communications@chaskamn.com](mailto:communications@chaskamn.com) or (952) 448-9200.

Dated: [date of publication]

BY ORDER OF THE CITY COUNCIL OF  
THE CITY OF CHASKA, MINNESOTA

/s/ Matt Podhradsky  
City Administrator



# REQUEST FOR ACTION CHASKA CITY COUNCIL 05/15/2023

**Subject: 2023/2024 Liquor License Renewals**

Prepared by: Denise Beebe, Senior Clerk

All current liquor licenses are up for renewal for the period of July 1, 2023, through June 30, 2024.  
Currently up for renewed:

| <u>License Type</u>                      | <u>License Fee</u> | <u>Total Revenue</u> |
|------------------------------------------|--------------------|----------------------|
| • 11 On-Sale Intoxicating Licenses       | \$4,745.00*        | \$49,822.50          |
| • 2 Club On-Sale                         | 530.00             | 1,060.00             |
| • 3 Wine Licenses                        | 800.00             | 2,400.00             |
| • 13 Special Sunday Sale                 | 200.00*            | 2,500.00             |
| • 4 On-Sale 3.2% Licenses                | 320.00*            | 1,015.00             |
| • 7 Off-Sale Intoxicating                | 160.00             | 1,120.00             |
| • 7 Off-Sale 3.2% Licenses               | 55.00              | 385.00               |
| • 1 Off-Sale Malt Liquor/Brewery License | 160.00             | 160.00               |
| • 1 On-Sale Taproom                      | 800.00             | 800.00               |
| <b>Total Revenue:</b>                    |                    | <b>\$59,262.50</b>   |

\* Chaska Cubs are charged a reduced fee of \$55

\* Oak 19 Fare & Refreshment are charged a reduced fee of \$2372.50 and \$100

The total combined revenue that will be collected by year-end pending all previous renewals renew again is \$59,262.50.

Violation checks have been completed by the Police Department to determine whether any of the businesses have been cited in the past five years for any state or local liquor law violations. No significant issues were noted.

Each licensed establishment and their respective licenses are presented in Exhibit A. Only two of the 11 On-Sale Intoxicating license holders are participating in the installment payment plan. While most applicants have provided their renewal applications, documentation and license fees in a timely manner, there are several that still need to fulfill a part of the renewal requirements. Those establishments have all been contacted and contingencies are noted on Exhibit A. Staff is requesting that those be approved contingent upon those requirements being met prior to submission to the State Alcohol and Gambling Enforcement for final approval.

## **CITY COUNCIL ACTION REQUESTED**

Motion to approve liquor license renewals as itemized on Schedule A attached, effective July 1, 2023 through June 30, 2024, with contingencies as noted.

**SCHEDULE A**  
**2023/2024 LIQUOR LICENSE RENEWALS**

| <b>LICENSEE/ADDRESS</b>                                | <b>TYPE OF LICENSE</b>                                               | <b>LICENSE NOS.</b>                   | <b>CONTINGENCIES</b>                                |
|--------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------|
| Chaser's Beverage Center<br>3050 Chaska Blvd           | Off-Sale Intoxicating                                                | OFSI.23-01                            | NA                                                  |
| Chaska American Legion Club<br>102 4th St W            | Club On Sale<br>Special Sunday Sale                                  | COS.23-01<br>SSS.23-01                | NA                                                  |
| Chaska Cubs<br>725 1st St W                            | On-Sale 3.2                                                          | OS32.23-01                            | Application &<br>Certificate of<br>Liquor Liability |
| Chaska Market<br>133 4th St W                          | Off-Sale 3.2                                                         | OFS32.23-07                           | NA                                                  |
| Crooked Pint<br>3210 Chaska Blvd                       | On-Sale Intoxicating<br>Special Sunday Sale                          | OSI.23-01<br>SSS.23-02                | NA                                                  |
| Cub Foods<br>210 Pioneer Tr                            | Off-Sale 3.2                                                         | OFS32.23-01                           | NA                                                  |
| Cuzzy's Brick House<br>2880 Chaska Blvd                | On-Sale Intoxicating<br>Special Sunday Sale                          | OSI.23-02<br>SSS.23-03                | NA                                                  |
| Cy's Bar & Grill<br>500 Pine St #101                   | On-Sale Intoxicating<br>Special Sunday Sale<br>Off-Sale Intoxicating | OSI.23-03<br>SSS.23-04<br>OFSI.23-02  | NA                                                  |
| D'Amico Catering<br>Bavaria Downs<br>3919 Bavaria Road | On-Sale Intoxicating                                                 | OSI.23-12                             | NA                                                  |
| Detello's Pizza and Pasta<br>2914 Chestnut St N        | Wine On Sale<br>On-Sale 3.2<br>Special Sunday Sales                  | WOSB.23-01<br>OS32.23-02<br>SSS.23-05 | Certificate of<br>Liquor Liability                  |
| Dolce Vita Wine Shop<br>3115 Chaska Blvd               | Off-Sale Intoxicating                                                | OFSI.23-03                            | Application &<br>Certificate of<br>Liquor Liability |
| Hazeltine National Golf Club<br>2100 Hazeltine Blvd    | On-Sale Intoxicating<br>Special Sunday Sale                          | OSI.23-05<br>SSS.23-06                | NA                                                  |
| Heartbreakers Bar & Grill<br>222 Pioneer Trail         | On-Sale Intoxicating<br>Special Sunday Sale                          | OSI.23-06<br>SSS.23-07                | NA                                                  |
| Holiday Stationstores Inc. #340<br>1465 White Oak Dr   | Off-Sale 3.2                                                         | OFS32.23-02                           | NA                                                  |

**SCHEDULE A**  
**2023/2024 LIQUOR LICENSE RENEWALS**

| <b>LICENSEE/ADDRESS</b>                            | <b>TYPE OF LICENSE</b>                                   | <b>LICENSE NOS.</b>                       | <b>CONTINGENCIES</b>                                |
|----------------------------------------------------|----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------|
| Holiday Stationstores Inc. #67<br>2820 Chaska Blvd | Off-Sale 3.2                                             | OFS32.23-03                               | NA                                                  |
| In Town Wine & Spirits<br>2906 Chestnut St N       | Off-Sale Intoxicating                                    | OFSI.23-04                                | NA                                                  |
| India Bar & Grill<br>210 Pioneer Trail             | Wine On Sale<br>On-Sale 3.2                              | WOSB.23-02<br>OS32.23-03                  | NA                                                  |
| Kwik Trip Store #886<br>2900 Chestnut St N         | Off-Sale 3.2                                             | OFS32.23-04                               | NA                                                  |
| La Hermosa<br>222 N. Chestnut St                   | On-Sale Intoxicating<br>Special Sunday Sale              | OSI.23-04<br>SSS.23-09                    | Certificate of<br>Liquor Liability                  |
| MGM Wine & Spirits<br>210 Pioneer Tr               | Off-Sale Intoxicating                                    | OFSI.23-05                                | Application &<br>Certificate of<br>Liquor Liability |
| Oak 19 Fare & Refreshment<br>3000 Town Course Dr   | On-Sale Intoxicating<br>Special Sunday Sale              | OSI.23-07<br>SSS.23-08                    | NA                                                  |
| Patron Mexican Restaurant<br>217 Chestnut St #110  | On-Sale Intoxicating<br>Special Sunday Sale              | OSI.23-09<br>SSS.23-10                    | NA                                                  |
| River City Liquors<br>2890 Chaska Blvd             | Off-Sale Intoxicating                                    | OFSI.23-06                                | NA                                                  |
| Sake Sushi<br>104 Pioneer Trail                    | On-Sale Intoxicating<br>Special Sunday Sale              | OSI.23-10<br>SSS.23-11                    | NA                                                  |
| Schram Haus Brewery<br>3700 Chaska Blvd.           | Taproom<br>Special Sunday Sales<br>Off-Sale Intoxicating | TRONSS.23-01<br>SSS.23-14<br>BROFSL 23-01 | Application &<br>Certificate of<br>Liquor Liability |
| Speedway #4507<br>110 Hundertmark Rd               | Off-Sale 3.2                                             | OFS32.23-05                               | Application &<br>Certificate of<br>Liquor Liability |
| Speedway #4519<br>1400 Crystal Ln                  | Off-Sale 3.2                                             | OFS32.23-06                               | Application &<br>Certificate of<br>Liquor Liability |
| Red Bench Bakery<br>500 N. Chestnut St             | Wine On Sale<br>On-Sale 3.2                              | WOSB.23-03<br>OS32.23-04                  | Certificate of<br>Liquor Liability                  |
| Target Store T-1352<br>111 Pioneer Tr              | Off-Sale Intoxicating                                    | OFSI.23-07                                | NA                                                  |

**SCHEDULE A**  
**2023/2024 LIQUOR LICENSE RENEWALS**

| <b>LICENSEE/ADDRESS</b>                 | <b>TYPE OF LICENSE</b>                      | <b>LICENSE NOS.</b>    | <b>CONTINGENCIES</b> |
|-----------------------------------------|---------------------------------------------|------------------------|----------------------|
| Walter Hecklin VFW Post<br>621 Creek Rd | Club On Sale<br>Special Sunday Sale         | COS.23-02<br>SSS.23-12 | <b>NA</b>            |
| Willy McCoy's<br>321 Pioneer Tr         | On-Sale Intoxicating<br>Special Sunday Sale | OSI.23-11<br>SSS.23-13 | <b>NA</b>            |

# REQUEST FOR ACTION CHASKA CITY COUNCIL 5/15/2023

**Subject:**           **Approve Costs Associated with Construction of a New Clubhouse and Maintenance Building for The Loop**

**Prepared By:**   John Kellin, Head Golf Professional

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In April 2022, the City Council approved going out to bid for construction of a clubhouse and maintenance building for The Loop. The estimated project cost at the time was \$1,817,600. Soon after this approval, bids were returned and were significantly higher than anticipated, so staff decided not to move forward with any of them and wait until fall to re-bid the project to see if there would be better pricing. Unfortunately, the bids in the fall came back even higher.

Given that the City was not likely to receive favorable bids again this spring, staff decided to approach the project differently. This new approach consists of having the City as the general contractor with a construction manager assisting. Tim Lundgren has been hired as the construction manager. As such, Tim has been assisting staff in getting construction cost bids with subcontractors who will then be doing the work. These costs are as follows:

|                      |                        |
|----------------------|------------------------|
| Clubhouse            | \$ 812,776.00          |
| Maintenance building | \$ 868,704.47          |
| Contingency (6%)     | \$ 100,289.43          |
| Permitting fees      | \$ 65,000.00           |
| <b>TOTAL</b>         | <b>\$ 1,836,769.90</b> |

The construction costs are now close to the original estimated project cost, so staff recommends the City Council approve the costs. Once approved, then construction can begin. The estimated timeline for completion is middle to end of September 2023.

## **CITY COUNCIL ACTION REQUESTED**

Motion to approve the following costs associated with construction of a new clubhouse and maintenance building at The Loop.

|                      |                        |
|----------------------|------------------------|
| Clubhouse            | \$ 812,776.00          |
| Maintenance building | \$ 868,704.47          |
| Contingency (6%)     | \$ 100,289.43          |
| Permitting fees      | \$ 65,000.00           |
| <b>TOTAL</b>         | <b>\$ 1,836,769.90</b> |

# REQUEST FOR ACTION CHASKA CITY COUNCIL 05/15/2023

**Subject:** Rivertown Heights 2<sup>nd</sup> Addition – Final Plat

**Applicant:** D R Horton

**Location:** South of County Road 44 (Big Woods Blvd), west and south of Founders Ridge

**Case No.:** 2023-12

**Synopsis:** Applicant seeks to obtain approval of a final plat for 46 lots in the SW Chaska area

**Prepared By:** Elizabeth Hanson

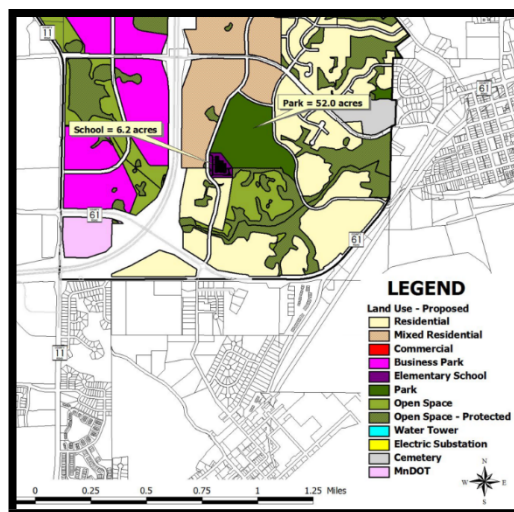
**Staff Recommendation:** Motion to adopt Resolution approving the request

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## **BACKGROUND**

Founders Ridge was approved in November 2013 and the 2<sup>nd</sup> addition in February 2015. The development has since been fully built. Within that development stub streets were provided to access neighboring properties for future development. One of those streets is Founders Path, which stubs up to the west edge of the development abutting Holasek's property. Another stub street, Carver Path, stubs on the south edge of the development, also abutting Scooter Enterprise's property.

In 2017, a purchase agreement was executed to purchase the future collector road right-of-way (ROW), community park and elementary school areas from the Holasek family. The City currently owns the ROW (~6 acres) and future community park acreage (~52 acres), while Eastern Carver County Schools owns the future elementary school acreage (~6). See below.



(exhibit used in 2017 Purchase Agreement)

Rivertown Heights is a residential proposal that abuts the north and east sides of the proposed community park. The Concept Plan for this residential proposal was approved in November 2021. The preliminary plat and rezoning were approved in March 2022. The final plat for the first phase (44 lots) was approved in June 2022.

### **Changes/Updates Since Preliminary Plan Approval**

The following are changes that have occurred on the plan since Preliminary Plan:

- Outlot A Elimination; Outlot A will now be eliminated from the plan (please note it shows as Outlot C on the civil drawings). The purpose of this outlot was to preserve a small grove of trees and a ravine system that was believed to be regulated by the Army Corps of Engineers. It was determined that the ravine in this outlot is not under Corps authority. Additionally, staff made a site visit on May 2<sup>nd</sup> to examine the health of the trees after grading work occurred. It was concluded that the trees in this outlot are in poor condition and the small ravine was a hazard to existing and future residents. Because of these findings, staff has determined that this outlot is no longer needed, and the ravine and trees should be removed. The developer is planning to include plantings in this area to provide a buffer/screen similar to what the eastern edge of the development shows on the landscape plan. The developer will also continue to work with the homeowner at 3912 Carver Path to inform them of the changes.

### **Project Goals**

The identified goals in creating this new neighborhood include the following:

- Providing a seamless transition of road and pedestrian connections
- Housing design and lot sizes that will complement the existing homes in and around Rivertown Heights
- Creating a neighborhood layout that is sensitive to the existing conditions, including availability of utilities, natural grades and drainage patterns
- Preservation of trees and buffer to existing homes
- Attractive neighborhood design with curvilinear street patterns and sidewalks to support a walkable environment

### **Comprehensive Plan**

The Comprehensive Plan guides this area to be Low Density Residential and Mixed Residential. The proposal tonight is consistent with this guidance.

### **CURRENT PROPOSAL**

The proposal is for final plat. The 46-lot detached single-family proposal is located south of County Road 44 (Big Woods Blvd) and west & south of the Founders Ridge development on both Holasek and Scooter Enterprise's land. This new development will be an extension off Founders Path and Carver Path, but will not be part of the Founders Ridge development. The 46 lots are the second and final phase of the development. There will be 90 lots at full build-out.

### **Adjacent properties**

The site is bound on the north by County Road 44 (Big Woods Boulevard); to the west by the future collector road ROW (Savanna Way) and land retained by the Holasek's; the south by



future community park space and the Lano property; and the east by Founders Ridge and Carlson's land.

### **Existing Conditions**

The overall Rivertown Heights area is nearly 40-acres and located near the southeast intersection of Big Woods Boulevard and the future extension of Savanna Way, just west of the existing Founders Ridge neighborhood. The site is currently used for agricultural purposes and the existing home at 3985 Big Woods Boulevard will be retained by the land seller, and incorporated into the development.

Generally, the site has minimal tree coverage, except in the southeast portion. The wooded ravine is proposed to remain to create a natural buffer between Rivertown Heights and the existing Founders Ridge neighborhood. Tree removal will occur to extend Carver Path into the site.

A wetland investigation took place fall 2018 and Notice of Decision was received from the Board of Water and Soil Resources October 20, 2020. It was determined that there are 2 wetlands on the site. The total acreage of both is 0.24. The current plan proposes to impact both wetlands.

### **Land Use**

The proposed plan consists of 46 new single family lots (including Holasek's existing residence and new lot) with a lot size of 65 feet wide and 140 feet deep (~0.21 acres). The homes in Founders Ridge that average out to be 75 feet wide and approximately 0.25 acres.

The parcels of land that this development encompasses are currently zoned Planned Residential Development (PRD-82).

### **Layout**

The neighborhood will be accessed from Big Woods Boulevard via a road extension of Percheron Boulevard, as well as extensions of Founders Path and Carver Path located in the Founders Ridge neighborhood. In the future, a connection will exist with the City's construction of a north/south collector road south of Big Woods Boulevard and Savanna Way. There are two cul de sacs proposed off the internal streets of the development. Street stubs will be provided on the west to the proposed collector road, the south to the Lano property, and on the east to the Carlson property. Sidewalks will be an extension of the existing Founders Ridge neighborhood.

The edges of the development are already generally defined due to the layout of the existing road stubs and proposed community park. In sum, the layout of the lots appear to be in a formation that meets what was anticipated for this area.

### **Transportation/ROW/Construction Traffic**

The final plan proposes to provide for a network of internal residential roadways with connectivity to arterial roadways. Specifically, Founders Path is extended to the west to provide access to the development area. Founders Path will terminate at the western edge of the development to connect into the future collector road. The extension of Percheron Boulevard will act as the main north-south thoroughfare for the development and will stub on the south side as it abuts Lano's property. The existing driveway access on Big Woods Boulevard (CR 44)

for Holasek's site will be removed and access will come from the new development off of Percheron Boulevard. Two stub streets will abut Carlson's property in this 2<sup>nd</sup> phase of the development. These stub streets will be temporary cul de sacs until the Carlson site develops.

The current plan appears to show road right-of-way widths that are consistent with the City's typical 60 foot wide ROWs as they are matching up with the stub streets of Founders Path and Carver Path. Laurel Street and Brookside Drive are showing 54 foot wide ROWs. These will need to be addressed and revised to 60 feet prior to recording of the final plat.

Construction traffic is proposed to come directly from County Road 44 at the proposed Percheron Boulevard access. The developer plans to put up signs in/near Founders Ridge so that construction traffic does not go through this development. The developer will have to continue to work with the City Engineer and Carver County on the construction routes.

### **Utilities**

Sewer and water utilities are available.

### **Stormwater**

Stormwater ponding is proposed as a part of this proposal; 3 ponding areas have been delineated on the overall Rivertown Heights plan. Stormwater ponding will have to meet all Carver County WMO and City standards.

### **Setbacks**

Minimum setbacks proposed are front setbacks of 25 feet, rear setbacks of 20 feet, side setbacks of 7.5 feet, and corner setbacks are 15 feet.

In addition to the above, the development must meet the following setbacks:

| <b>SETBACKS</b>            |                                                              |
|----------------------------|--------------------------------------------------------------|
| <b>Direction</b>           | <b>Setback</b>                                               |
| Wooded Steep Slopes        | 50 feet building setback and 30 feet no grade/no mow setback |
| Wetlands                   | 30 feet                                                      |
| County Road 44             | 125 feet from centerline                                     |
| Collector Road/Savanna Way | 100 feet from centerline                                     |

### **Architecture & Anti Monotony**

DR Horton will be the sole builder in this development. The proposed homes will be 1- and 2-story single family designs, which are similar to the homes DR Horton has built in Chaska in the Sagewood. They anticipate offering approximately 9 floor plans ranging in size from 1,900 to 3,400 square feet. Each floor plan will have multiple elevation options, which will create variety throughout. Pricing is anticipated to start in the lower \$500,000s.

City ordinance dictates that housing may not be similar within two houses to each side, directly across the street or diagonal from the house in question. This ordinance also requires that

homes provide LP Smartside on the front elevations, at least 4 inch window trim on all windows, and provide varied color packages on homes within one home on each side and directly across the street. In addition, 360 architecture will be required on homes/elevations on corners and/or homes/elevations that abut major roadways. This ordinance has been very successful in other newer residential developments.

The following lots were subject to 360 degree architecture per the final plat drawing of the development:

- Lots 1 & 13, Block 1
- Lots 3 & 4, Block 2
- Lot 1, Block 3
- Lots 1, 7, 15 & 16, Block 4
- Lot 1, Block 5

### **Trails & Sidewalks**

There are no trails proposed as a part of this development application therefore trail fees will be required. The Comprehensive Plan calls out a trail along the future collector road. The trail has been installed on the east side of the collector road north of Big Woods Boulevard at 10 feet wide. The trail will travel south on the east side of the road and abut the west side of this proposed development. A public trail has also been installed on the north side of Big Woods Boulevard to the Highway 212 intersection when construction on County Road 44 was completed.

The developer will be required to provide sidewalks on both sides of the streets up to the bulbs of cul de sacs per City policy.

### **Screening, Landscaping & Tree Preservation**

Because this development abuts major roadways (Big Woods Boulevard/CR 44 and the future collector road/Savanna Way) it will be important that the homes that back up to this use have adequate screening. The berming and landscaping done on both these roads in Founders Ridge and The Harvest shall be carried through with this development. The landscape plan shows consistency on these edges for homes abutting these roads.

Trees will be required in the boulevard in order to meet the City's Boulevard Tree Policy. It should be noted that the boulevard is the area between the sidewalk and the street.

The site area shows a couple areas of existing trees, which includes one area on the southeast side that abuts Founders Ridge. The southeasterly area will have a level of trees preserved. The ones removed are due to required stormwater ponding and the extension of Carver Path to the south. The trees that were planned in Outlot A (aka Outlot C on civil drawings) will be removed as the trees and the ravine system within that area have been deemed hazardous by staff. New trees and screening will be done in this area to replace the trees lost.

### **Ravines & Wooded Steep Slopes**

The southeasterly area of Rivertown Heights near the boundary of Founders Ridge and Rivertown Heights there is delineated wooded steep slopes. Some of this area has already been preserved and incorporated into the Founders Ridge development. There is a small finger

area on the southeast area of Rivertown Heights plan that will be preserved and setbacks applied. The developer has provided a buffer signage plan that will line the edges of properties abutting wooded steep slope and ponding areas to further protect these buffers. It should be noted that the buffer signs need to follow the property lines abutting wooded steep slopes and their 30 foot no grade/no mow setback.

### **Parkland**

Parkland is not proposed as a part of this development. It will be required of the developer to pay park dedication fees. There is a community park (~52 acres) planned that is adjacent to this proposed development. This neighborhood would have direct access to this park.

### **Development Costs (Infrastructure Improvements)**

The City of Chaska has a number of area-wide development cost such as, but not limited to:

- Arterial Road Network
- Collector Roads
- Storm Sewer
- Trails
- Parks

Prior to final platting, the developer will need to work with City Staff to determine which of these are applicable and what those fees will be.

### **Final Plat**

The site is proposed to be platted into 46 single-family lots. There is one outlot as well, and their dispositions are as follows:

- Outlot A: stormwater ponding to be dedicated to the City of Chaska

### **Deadline for Agency Actions**

The City of Chaska received the complete application for this request on Wednesday, May 25, 2022. Pursuant to Minnesota State Statutes the City must act on this request by **Tuesday, June 27, 2023** (60 days), unless the City provides the petitioner with written reasons for an additional 60-day review period. The additional review period would extend to *Saturday, August 26, 2023*. The City may with the petitioners consent extend the review period beyond the Saturday, August 26, 2023. Lastly, if the City denies the petitioners request "... it must state in writing the reasons for the denial at the time it denies the request."

### **PLANNING COMMISSION ACTION TAKEN 05/10/2023:**

Motion to recommend to City Council approval of the Rivertown Heights 2<sup>nd</sup> Addition Final Plat for 46 lots, subject to the following conditions:

1. Approvals shall be based on the following graphic exhibits:
  - a. Final Plat (pgs 1-3), prepared by Westwood
  - b. Cover, prepared by Westwood, dated March 21, 2023
  - c. Grading Drainage and Erosion Control Plans – Overall, prepared by Westwood, dated March 21, 2023
  - d. Grading Drainage and Erosion Control Plans (pgs 3-6), prepared by Westwood, dated March 21, 2023
  - e. Street Profiles (pgs 7-8), prepared by Westwood, dated March 21, 2023
  - f. Details (pgs 9-10), prepared by Westwood, dated March 21, 2023

- g. Typical Street Sections Pond Overflow Details, prepared by Westwood, dated March 21, 2023
  - h. Tree Preservation Plan – Overall, prepared by Westwood, dated March 21, 2023
  - i. Tree Preservation Plan (pgs 12-16), prepared by Westwood, dated March 21, 2023
  - j. Seeding Plan, prepared by Westwood, dated March 21, 2023
  - k. Topsoil Management Plan, prepared by Westwood, dated March 21, 2023
  - l. Cover, prepared by Westwood, dated March 21, 2023
  - m. Overall, prepared by Westwood, dated March 21, 2023
  - n. Sanitary Sewer and Watermain Construction Plans (pgs 3-7), prepared by Westwood, dated March 21, 2023
  - o. Street and Storm Sewer Construction Plans (pgs 8-11), prepared by Westwood, dated March 21, 2023
  - p. Storm Sewer Construction Plans (pgs 12-13), prepared by Westwood, dated March 21, 2023
  - q. Details (pgs 14-19), prepared by Westwood, dated March 21, 2023
  - r. Intersection Details (pgs 20-21), prepared by Westwood, dated March 21, 2023
  - s. Cover, prepared by Westwood, dated March 22, 2023
  - t. Overall Landscape Plan, prepared by Westwood, dated March 22, 2023
  - u. Landscape Plan (pgs 3-6), prepared by Westwood, dated March 22, 2023
  - v. Landscape Notes & Details, prepared by Westwood, dated March 22, 2023
  - w. Buffer Sign Plan, prepared by Westwood, dated April 28, 2023
2. Adherence with the Carver County Public Works Memo, dated November 4, 2021.
  3. Adherence with the City Engineers Memo dated May 9, 2023.
  4. Preservation of the wooded steep slopes, including 30-foot buffer and a 50-foot setback from that wooded steep slope.
  5. Provision of a buffer sign plan that follows the lot lines and/or 30 foot no grade/no mow setback line abutting wooded steep slopes, whichever is greater, and to be approved prior to recording of the final plat.
  6. Adherence to the City's Boulevard Tree Policy and local street section design, including 60 foot right-of-ways, and to be addressed and revised where applicable prior to recording of the final plat.
  7. Provision to eliminate Outlot A on the final plat and to be revised prior to recording of the final plat.
  8. Provision of a revised landscape plan incorporating screening and plantings in the former Outlot A area and to be addressed prior to recording of the final plat.
  9. Provision that boulevard trees are placed between the sidewalk and street.
  10. Provision of sidewalks on both sides of all local streets up to the bulb of cul de sacs.
  11. Adherence to the following building setbacks:
    - a. Front (house): 25 feet
    - b. Rear: 20 feet
    - c. Side(house/garage): 7.5 feet
    - d. Side (corner): 15 feet
  12. Adherence to the 125 foot centerline building setback from County Road 44.
  13. Adherence to the 100 foot centerline building setback from the future collector road (Savanna Way).
  14. Prior to final plat approval, developer shall enter into an agreement with the City for the provision of necessary infrastructure and associated development costs.
  15. Compliance with the City's anti-monotony and design requirements zoning ordinance (Section 9.28).
  16. Provision of developer responsibility to remove any hazardous trees or limbs on site as determined by the Public Works Director, prior to issuance of a building permit.
  17. Provision of a storm water management plan meeting City and Carver County WMO standards.
  18. No direct vehicular access onto County Road 44 or the future collector road/Savanna

Way.

19. Provision that 360-degree architecture shall be provided for all corner lots and all lots whose rear or sides are visible from public right's-of-way or across from open spaces, more specifically for these lots as seen in the final plat of Rivertown Heights 2<sup>nd</sup> Addition:

- a. Lots 1 & 13, Block 1
- b. Lots 3 & 4, Block 2
- c. Lot 1, Block 3
- d. Lots 1, 7, 15 & 16, Block 4
- e. Lot 1, Block 5

**CITY COUNCIL ACTION REQUESTED**

**Motion to adopt Resolution No. 2023-49 approving the final plat for Rivertown Heights 2<sup>nd</sup> Addition (PC#2023-12).**

**CITY OF CHASKA  
CARVER COUNTY, MINNESOTA**

**RESOLUTION**

**DATE** 05/15/2023 **RESOLUTION NO.** 2023-49

**MOTION BY COUNCILMEMBER** \_\_\_\_\_ **SECOND BY COUNCILMEMBER** \_\_\_\_\_

---

**Resolution approving the Final Plat for Rivertown Heights 2<sup>nd</sup> Addition/D R  
Horton/P.C. No. 2023-12**

---

WHEREAS, the 46-lot detached single-family proposal is located south of County Road 44 (Big Woods Blvd) and west & south of the Founders Ridge development on both Holasek and Scooter Enterprise's land; and

WHEREAS, the neighborhood will be accessed from Big Woods Boulevard via a road connection south of Percheron Boulevard, as well as extensions of Founders Path and Carver Path located in the Founders Ridge neighborhood; and

WHEREAS, in the future, a connection will exist with the City's construction of a north/south collector road south of Big Woods Boulevard and Savanna Way; and

WHEREAS, two stub streets will abut Carlson's property in this 2<sup>nd</sup> phase of the development; and

WHEREAS, these stub streets will be temporary cul de sacs until the Carlson site develops; and

WHEREAS, Laurel Street and Brookside Drive are showing 54 foot wide ROWs, and these will need to be addressed and revised to 60 feet prior to recording of the final plat; and

WHEREAS, construction traffic is proposed to come directly from County Road 44 at the proposed Percheron Boulevard access; and

WHEREAS, the developer plans to put up signs in/near Founders Ridge so that construction traffic does not go through this development; and

WHEREAS, the City of Chaska will undertake the creation of the future park signage that will flank the edges of the proposed park area; and

WHEREAS, additionally, DR Horton sales and marketing materials and disclosures will include language about the future land use of the community park; and

WHEREAS, sidewalks will be an extension of the existing Founders Ridge neighborhood; and

WHEREAS, the developer will be required to provide sidewalks on both sides of the streets up to the bulbs of cul de sacs and limits of the development per City policy; and

WHEREAS, maintenance accesses and ponds need to be in separate outlots of the proposed site, and not on parkland or private property; and

WHEREAS, there are no trails proposed as a part of this development application therefore trail fees will be required; and

WHEREAS, the Comprehensive Plan calls out a trail along the future collector road; and

WHEREAS, the trail has been installed on the east side of the collector road north of Big Woods Boulevard at 10 feet wide; and

WHEREAS, the trail will travel south on the east side of the road and abut the west side of this proposed development; and

WHEREAS, because this development abuts major roadways (Big Woods Boulevard/CR 44 and the future collector road/Savanna Way) it will be important that the homes that back up to this use have adequate screening; and

WHEREAS, the berming and landscaping done on both these roads in Founders Ridge and The Harvest shall be carried through with this development, and the landscape plan shows consistency on these edges for homes abutting these roads; and

WHEREAS, the site area shows a couple areas of existing trees, which includes one area on the southeast side that abuts Founders Ridge; and

WHEREAS, the southeasterly area will have a level of trees preserved; and

WHEREAS, the ones removed are due to required stormwater ponding and the extension of Carver Path to the south; and

WHEREAS, the trees that were planned in the former Outlot A (aka Outlot C on civil drawings) will be removed as the trees and the ravine system within that area have been deemed hazardous by staff; and

WHEREAS, new trees and screening will be done in this area to replace the trees lost; and

WHEREAS, parkland is not proposed as a part of this development, and it will be required of the developer to pay park dedication fees; and

WHEREAS, the site is proposed to be platted into 46 single-family lots, and there is one outlot as well, and their dispositions are as follows:

- Outlot A: stormwater ponding to be dedicated to the City of Chaska

WHEREAS, on May 10, 2023 the Planning Commission recommended approval to the City Council of the Rivertown Heights 2<sup>nd</sup> Addition Final Plat (PC #2023-12); and

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Chaska, Minnesota, hereby approves the Rivertown Heights 2<sup>nd</sup> Addition Final Plat (PC #2023-12), subject to the aforementioned stipulations and the following conditions:

1. Approvals shall be based on the following graphic exhibits:



- a. Final Plat (pgs 1-3), prepared by Westwood
  - b. Cover, prepared by Westwood, dated March 21, 2023
  - c. Grading Drainage and Erosion Control Plans – Overall, prepared by Westwood, dated March 21, 2023
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  4. Preservation of the wooded steep slopes, including 30-foot buffer and a 50-foot setback from that wooded steep slope.
  5. Provision of a buffer sign plan that follows the lot lines and/or 30 foot no grade/no mow setback line abutting wooded steep slopes, whichever is greater, and to be approved prior to recording of the final plat.
  6. Adherence to the City's Boulevard Tree Policy and local street section design, including 60 foot right-of-ways, and to be addressed and revised where applicable prior to recording of the final plat.
  7. Provision to eliminate Outlot A on the final plat and to be revised prior to recording of the final plat.
  8. Provision of a revised landscape plan incorporating screening and plantings in the former Outlot A area and to be addressed prior to recording of the final plat.
  9. Provision that boulevard trees are placed between the sidewalk and street.
  10. Provision of sidewalks on both sides of all local streets up to the bulb of cul de sacs.
  11. Adherence to the following building setbacks:
    - a. Front (house): 25 feet
    - b. Rear: 20 feet
    - c. Side(house/garage): 7.5 feet
    - d. Side (corner): 15 feet
  12. Adherence to the 125 foot centerline building setback from County Road 44.
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  14. Prior to final plat approval, developer shall enter into an agreement with the City for the provision of necessary infrastructure and associated development costs.
  15. Compliance with the City's anti-monotony and design requirements zoning ordinance (Section 9.28).
  16. Provision of developer responsibility to remove any hazardous trees or limbs on site as determined by the Public Works Director, prior to issuance of a building permit.

17. Provision of a storm water management plan meeting City and Carver County WMO standards.
18. No direct vehicular access onto County Road 44 or the future collector road/Savanna Way.
19. Provision that 360-degree architecture shall be provided for all corner lots and all lots whose rear or sides are visible from public right's-of-way or across from open spaces, more specifically for these lots as seen in the final plat of Rivertown Heights 2<sup>nd</sup> Addition:
  - a. Lots 1 & 13, Block 1
  - b. Lots 3 & 4, Block 2
  - c. Lot 1, Block 3
  - d. Lots 1, 7, 15 & 16, Block 4
  - e. Lot 1, Block 5

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 15<sup>th</sup> day of May, 2023.

---

Mark Windschitl, Mayor

Attest: \_\_\_\_\_  
Chaska Deputy Clerk



## **City of Chaska Memorandum**

**To:** Planning Commission  
**From:** Alex Mollenkamp, Assistant City Engineer  
**Date:** May 9, 2023  
**Subject:** Rivertown Heights 2<sup>nd</sup> Addition Final Plat

Rivertown Heights is nearly 40-acres and located near the southeast intersection of Big Woods Boulevard and the future extension of Savanna Way, just west of the existing Founders Ridge neighborhood. Rivertown Heights 1<sup>st</sup> Addition is currently under construction and this 2<sup>nd</sup> Addition received preliminary plat approval with the 1<sup>st</sup> Addition in early 2022. The Engineering comments/conditions regarding the proposed final plat are as follows:

- 1) Trunk sewer extensions proposed from Dakota Ridge and trunk watermain extension needs to be coordinated with the City's comprehensive sewer plan and coordinated with the utility department.
- 2) The design of the future city park property will need to be accommodated with the overall grading and drainage plan.
- 3) The proposed Brookside Drive street requires temporary turnarounds for emergency services.
- 4) The storm water plan will need to meet City and CCWMO requirements for run-off rates, volume control, and erosion.
- 5) Wetlands that are proposed to be impacted receive state and local agency approval.

RIVERTOWN HEIGHTS 2ND ADDITION

PLAT FILE NO.

C.R. DOC. NO.

KNOW ALL PERSONS BY THESE PRESENTS: That D.R. Horton, Inc. - Minnesota, a Delaware corporation, owner of the following described property situated in the County of Carver, State of Minnesota, to wit:

Outlot C, RIVERTOWN HEIGHTS, according to the recorded plat thereof, Carver County, Minnesota

Has caused the same to be surveyed and platted as RIVERTOWN HEIGHTS 2ND ADDITION and does hereby donate and dedicate to the public for public use forever the public ways, and also dedicates the easements as shown on this plat for drainage and utility purposes only.

In witness whereof said D.R. Horton, Inc. - Minnesota, a Delaware corporation, has caused these presents to be signed by its proper officer this day of \_\_\_\_\_, 20\_\_\_\_\_.

D.R. HORTON, INC. - MINNESOTA

By \_\_\_\_\_

Its \_\_\_\_\_

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, by \_\_\_\_\_, its \_\_\_\_\_ of D.R. Horton, Inc. - Minnesota, a Delaware corporation, on behalf of the corporation.

\_\_\_\_\_  
(Signature) (Name Printed)

Notary Public, \_\_\_\_\_ County, \_\_\_\_\_

My Commission Expires \_\_\_\_\_

I, Chris Ambourn, do hereby certify that this plat was prepared by me or under my direct supervision; that I am a duly Licensed Land Surveyor in the State of Minnesota; that this plat is a correct representation of the boundary survey; that all mathematical data and labels are correctly designated on this plat; that all monuments depicted on this plat have been, or will be correctly set within one year; that all water boundaries and wet lands, as defined in Minnesota Statutes, Section 505.01, Subd. 3, as of the date of this certificate are shown and labeled on this plat; and all public ways are shown and labeled on this plat.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Chris Ambourn, Licensed Land Surveyor  
Minnesota License No. 43055

STATE OF MINNESOTA

COUNTY OF \_\_\_\_\_ This instrument was acknowledged before me on \_\_\_\_\_ by Chris Ambourn, Licensed Land Surveyor, Minnesota License No. 43055.

\_\_\_\_\_  
(Signature) (Name Printed)

Notary Public, \_\_\_\_\_ County, Minnesota

My Commission Expires \_\_\_\_\_

CITY COUNCIL, CITY OF CHASKA, MINNESOTA

This plat of RIVERTOWN HEIGHTS 2ND ADDITION was approved and accepted by the City Council of the City of Chaska, Minnesota at a regular meeting thereof held this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, and said plat is in compliance with the provisions of Minnesota Statutes, Section 505.03, Subd. 2.

City Council, City of Chaska, Minnesota

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

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

COUNTY SURVEYOR, Carver County, Minnesota

Pursuant to Chapter 395, Minnesota Laws of 1971, this plat has been approved this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Brian Praske, County Surveyor

COUNTY AUDITOR, Carver County, Minnesota

I hereby certify that taxes payable in 20\_\_\_\_\_ and prior years have been paid for land described on this plat. Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Crystal Campos, County Auditor

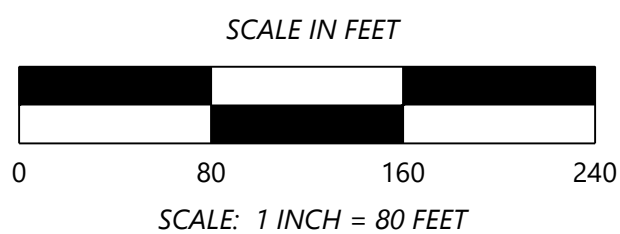
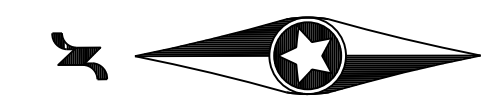
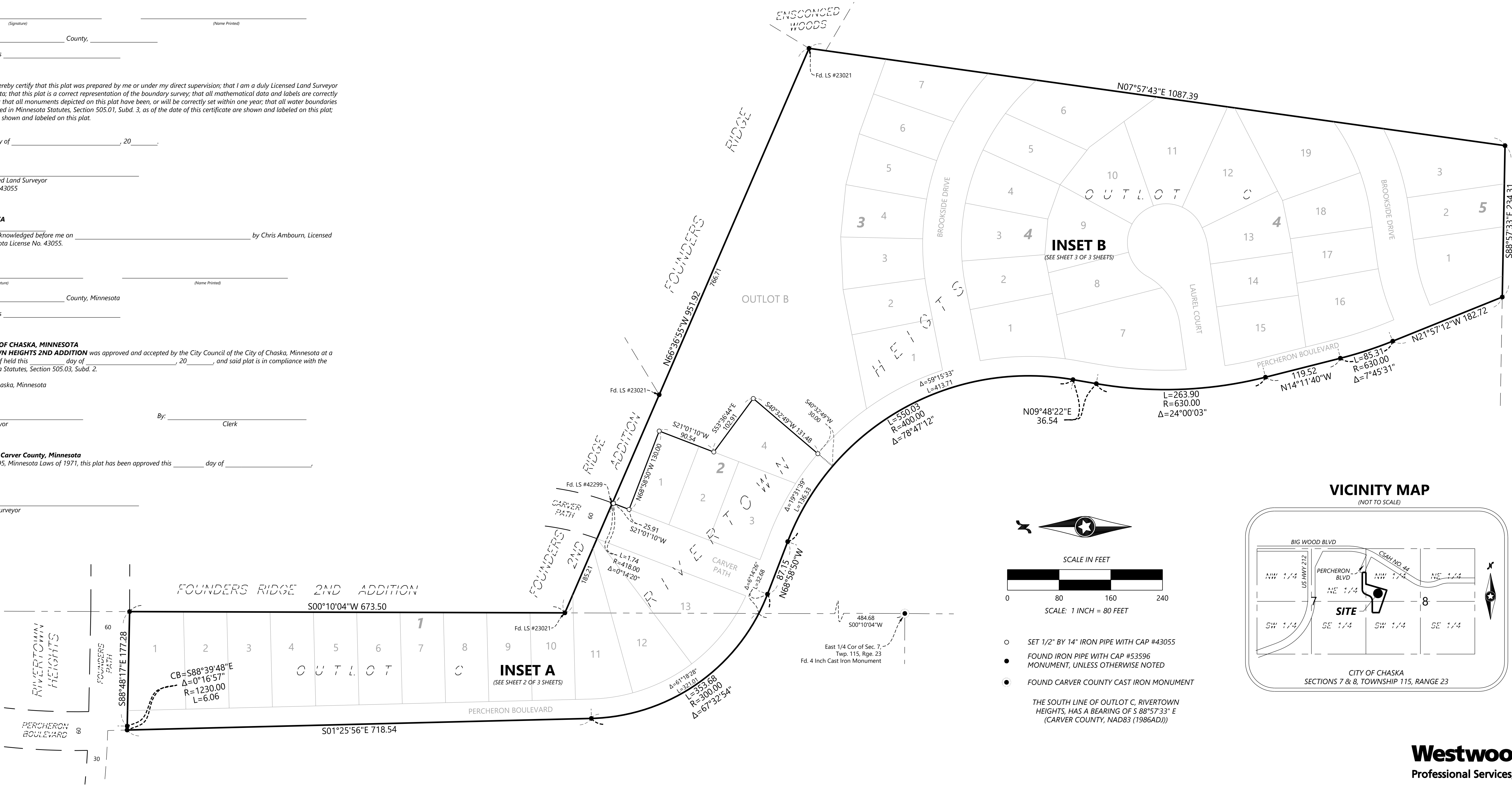
By: \_\_\_\_\_

COUNTY RECORDER, Carver County, Minnesota

I hereby certify that this plat of RIVERTOWN HEIGHTS 2ND ADDITION was filed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, at \_\_\_\_\_ o'clock \_\_\_\_\_ M., as Document No. \_\_\_\_\_.

Kaaren Lewis, County Recorder

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

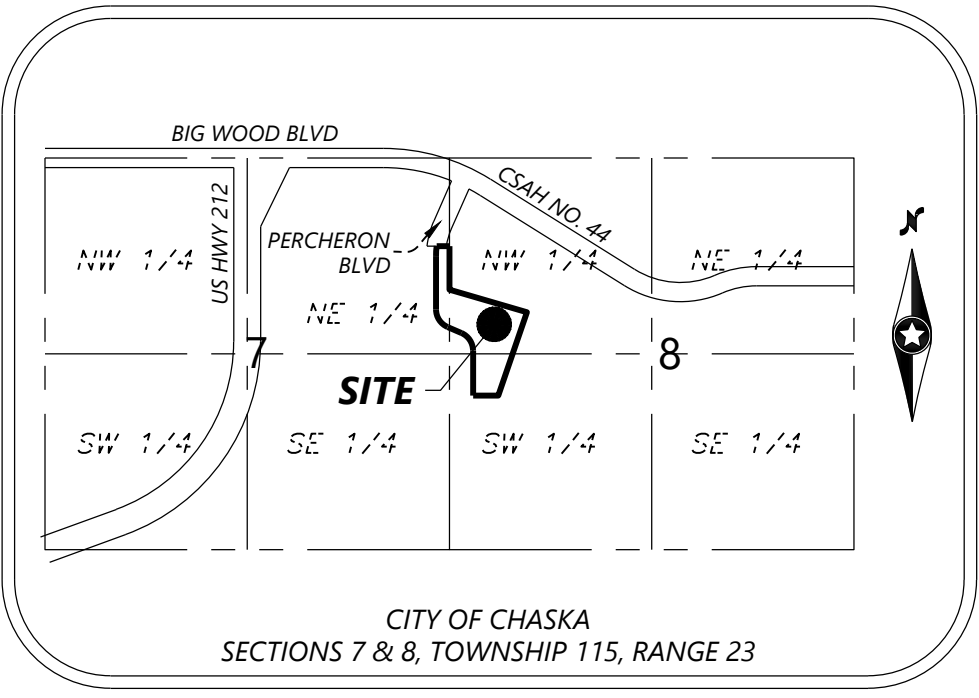


- SET 1/2" BY 14" IRON PIPE WITH CAP #43055
- FOUND IRON PIPE WITH CAP #53596 MONUMENT, UNLESS OTHERWISE NOTED
- FOUND CARVER COUNTY CAST IRON MONUMENT

THE SOUTH LINE OF OUTLOT C, RIVERTOWN HEIGHTS, HAS A BEARING OF S 88°57'33" E (CARVER COUNTY, NAD83 (1986ADJ))

VICINITY MAP

(NOT TO SCALE)

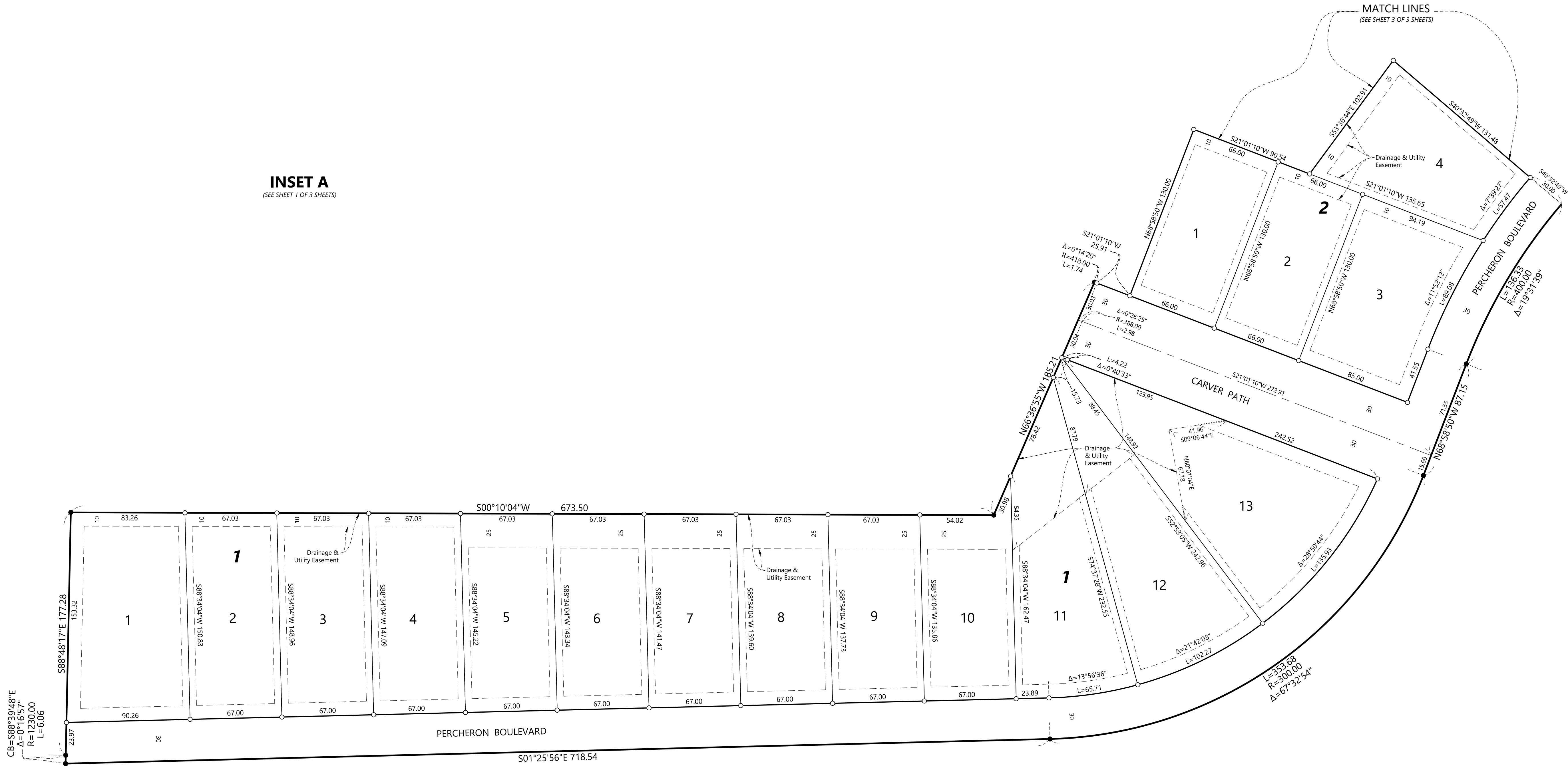




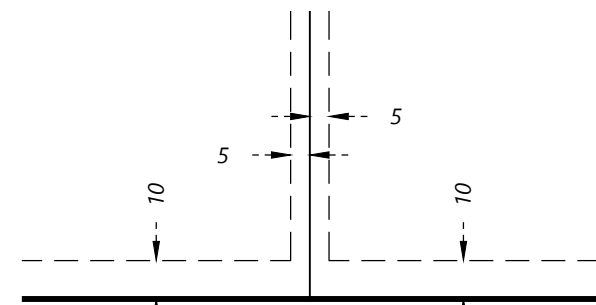
# RIVERTOWN HEIGHTS 2ND ADDITION

PLAT FILE NO.  
C.R. DOC. NO.

INSET A  
(SEE SHEET 1 OF 3 SHEETS)

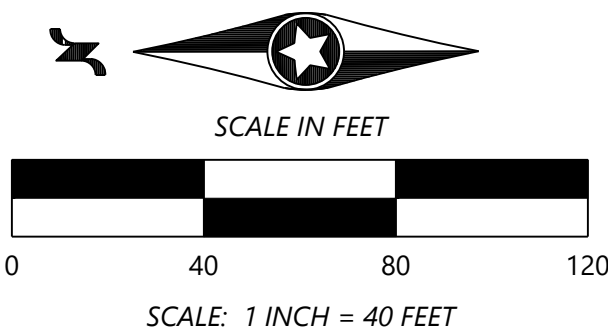


DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:



- SET 1/2" BY 14" IRON PIPE WITH CAP #43055
- FOUND IRON PIPE WITH CAP #53596
- MONUMENT, UNLESS OTHERWISE NOTED

THE SOUTH LINE OF OUTLOT C, RIVERTOWN HEIGHTS, HAS A BEARING OF S 88°57'33" E (CARVER COUNTY, NAD83 (1986ADJ))

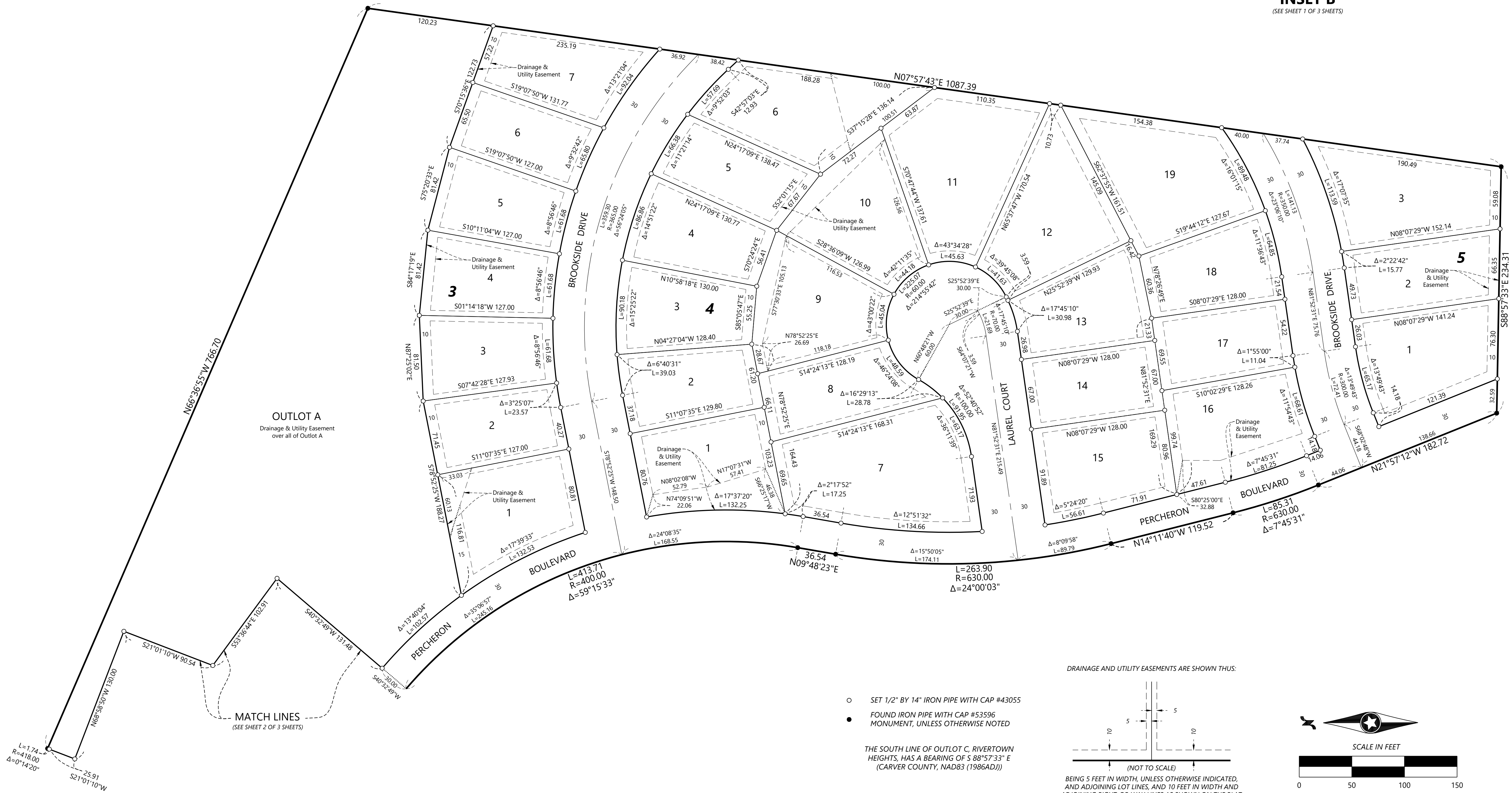




# RIVERTOWN HEIGHTS 2ND ADDITION

PLAT FILE NO.  
C.R. DOC. NO.

**INSET B**  
(SEE SHEET 1 OF 3 SHEETS)





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# CONSTRUCTION PLANS

FOR

# GRADING, DRAINAGE, EROSION CONTROL, AND TREE PRESERVATION PLANS

FOR

# RIVERTOWN HEIGHTS CHASKA, MN

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100

LAKEVILLE, MINNESOTA 55044

CONTACT: MIKE SUEL

PHONE: 952-985-7823

EMAIL: MSUEL@DRHORTON.COM

PREPARED BY:

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com

Westwood Professional Services, Inc.

PROJECT NUMBER: 0027067.00

CONTACT: JOHN H. BENDER



Vicinity Map  
(NOT TO SCALE)

CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES

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| 3                | GRADING, DRAINAGE, AND EROSION CONTROL PLANS           |
| 4                | GRADING, DRAINAGE, AND EROSION CONTROL PLANS           |
| 5                | GRADING, DRAINAGE, AND EROSION CONTROL PLANS           |
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| 5   | 08/23/22 | REVISED PERCHERON/CSAH 44 INTERSECTION    | 3,17      |
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|     | -        | -                                         |           |
|     | -        | -                                         |           |

### CONSTRUCTION PLANS

FOR

GRADING, DRAINAGE, EROSION CONTROL, AND TREE  
PRESERVATION PLANS

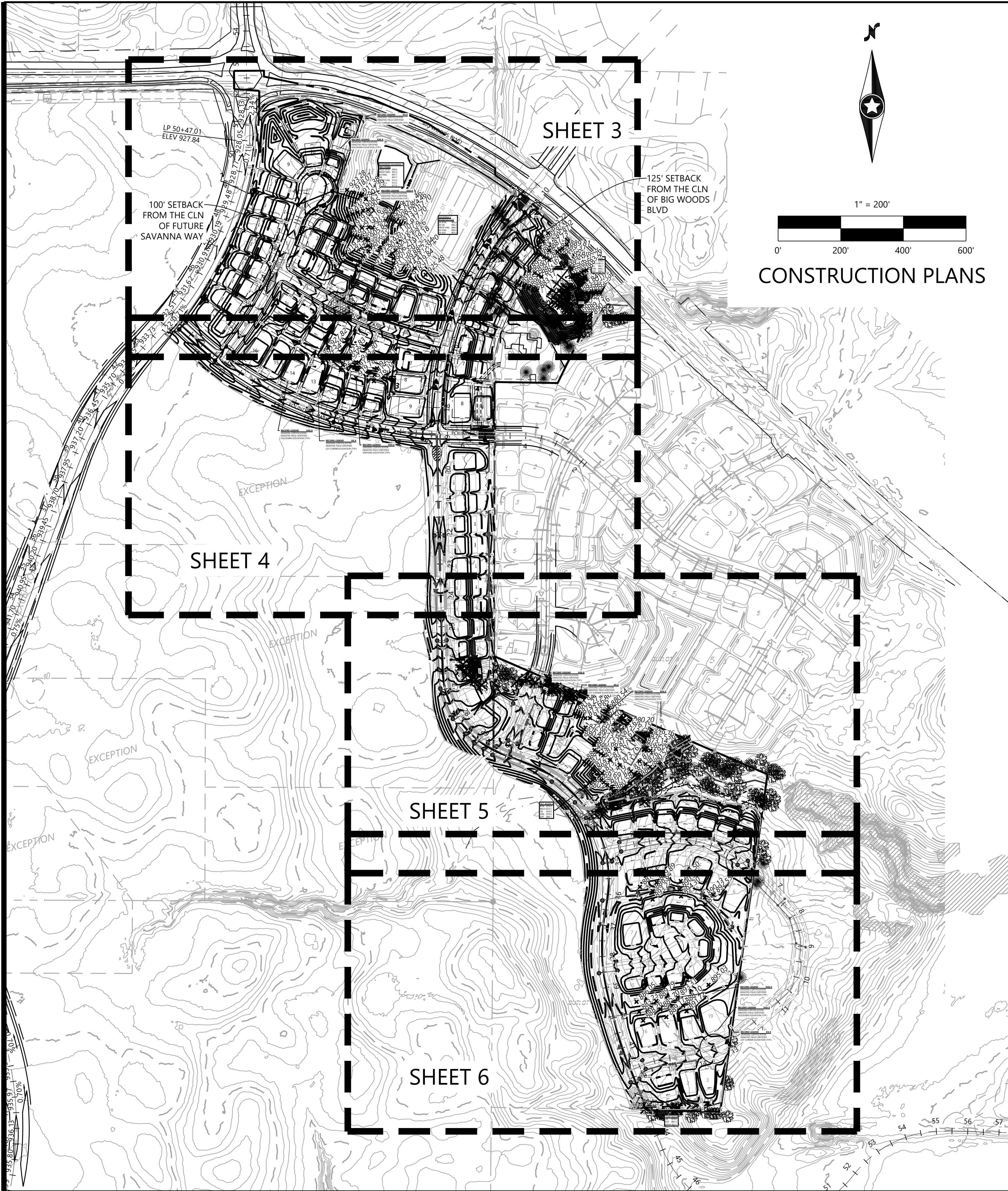
FOR

RIVERTOWN HEIGHTS  
CHASKA, MN

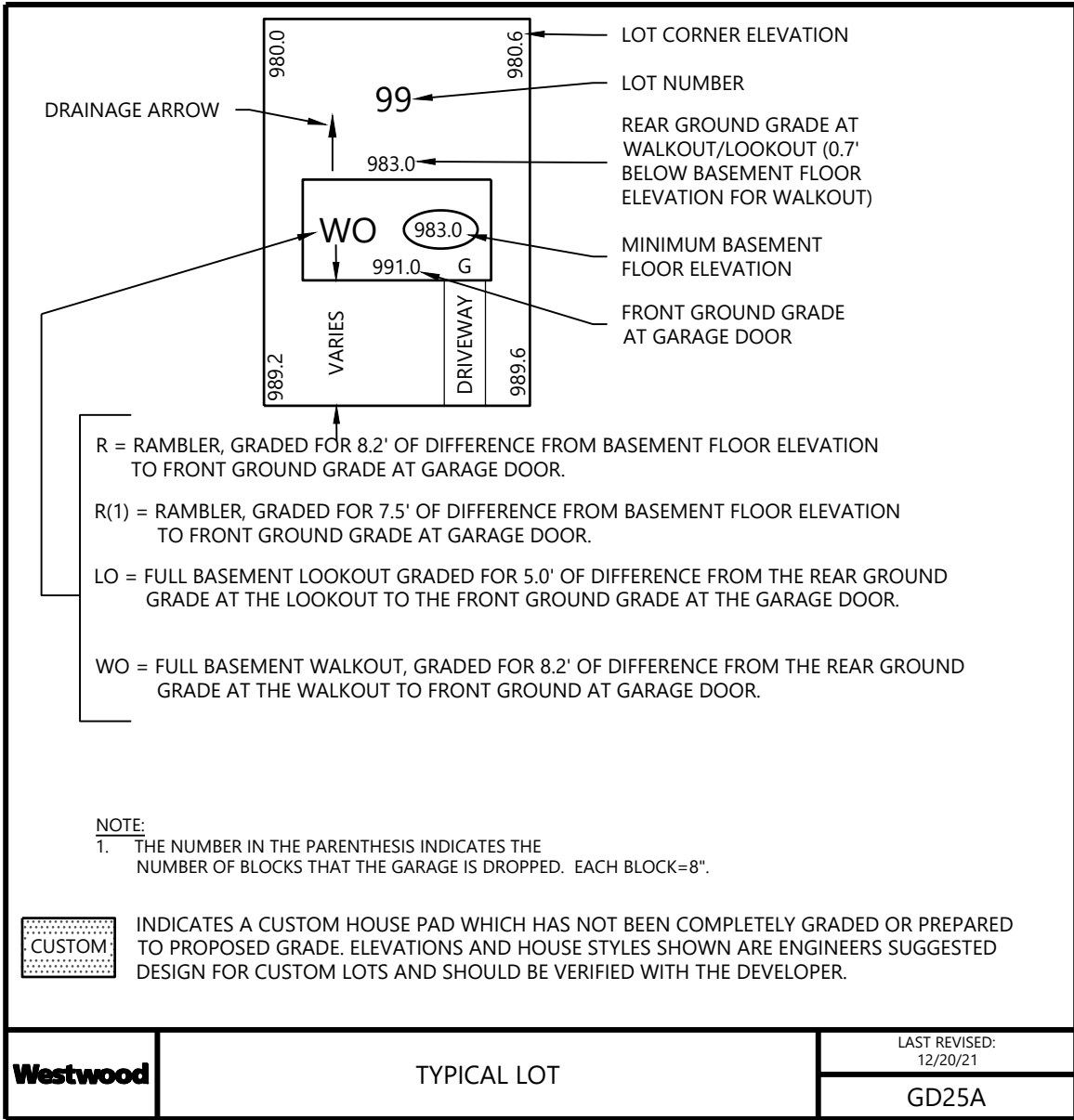
INITIAL SUBMITTAL DATE: 04/29/22 SHEET: 1 OF 18

N:\0027067.00\DWG\CIVIL\GRADING\00270675-CV\F01.DWG





Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance



1. ALL CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISHED SURFACE/GUTTER GRADES UNLESS OTHERWISE NOTED.
2. REFER TO THE SITE PLAN/RECORD PLAT FOR MOST CURRENT HORIZONTAL SITE DIMENSIONS AND LAYOUT.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITIES AND TOPOGRAPHICAL FEATURES WITH THE OWNERS AND FIELD-VERIFY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
4. ALL CONSTRUCTION SHALL CONFORM TO LOCAL RULES.
5. THE CONTRACTOR IS TO CONTACT GOPHER STATE "ONE CALL" FOR UTILITY LOCATIONS AT 651-454-0002.
6. THE GRADING CONTRACTOR MUST BE AWARE OF ALL EXISTING AND PROPOSED UTILITIES.
7. HAULING HOURS MUST BE CONFIRMED WITH THE CITY PRIOR TO BEGINNING WORK/
8. POSITIVE DRAINAGE FROM THE SITE MUST BE PROVIDED AT ALL TIMES.
9. BASIN MAINTENANCE ACCESS PATH SHALL BE CONSTRUCTED WITH SUITABLE SOIL AND BE CAPABLE OF SUPPORTING VEHICLE TRAFFIC.

1. ALL SILT FENCE AND OTHER EROSION CONTROL FEATURES SHALL BE IN-PLACE PRIOR TO ANY EXCAVATION/CONSTRUCTION AND SHALL BE MAINTAINED UNTIL VIABLE TURF OR GROUND COVER HAS BEEN ESTABLISHED. EXISTING SILT FENCE ON-SITE SHALL BE MAINTAINED AND/OR REMOVED AND SHALL BE CONSIDERED INCIDENTAL TO THE GRADING CONTRACT. IT IS OF EXTREME IMPORTANCE TO BE AWARE OF CURRENT FIELD CONDITIONS WITH RESPECT TO EROSION CONTROL. TEMPORARY PONDING, DIKES, HAY BALES, ETC., REQUIRED BY THE CITY SHALL BE INCIDENTAL TO THE GRADING CONTRACT.
2. ALL STREETS DISTURBED DURING WORKING HOURS MUST BE CLEANED AT THE END OF EACH WORKING DAY. A ROCK ENTRANCE TO THE SITE MUST BE PROVIDED ACCORDING TO DETAILS TO REDUCE TRACKING OF DIRT ONTO PUBLIC STREETS.
3. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE NECESSARY WHEN SOIL DISTURBANCE IS WITHIN 50 FEET OF SURFACE WATERS. REDUNDANT SEDIMENT CONTROLS COULD INCLUDE:
  - 3.1. TWO ROWS OF SILT FENCE (SEPARATED BY 8 FEET); OR
  - 3.2. SILT FENCE AND A TOPSOIL BERM (STABILIZE BERM WITH MULCH); OR
  - 3.3. SILT FENCE AND FIBER LOGS; OR
  - 3.4. TOPSOIL BERM AND FIBER LOGS (STABILIZE BERM WITH MULCH).
4. REDUNDANT SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO DISTURBING WITHIN 50 FEET OF THE SURFACE WATER.

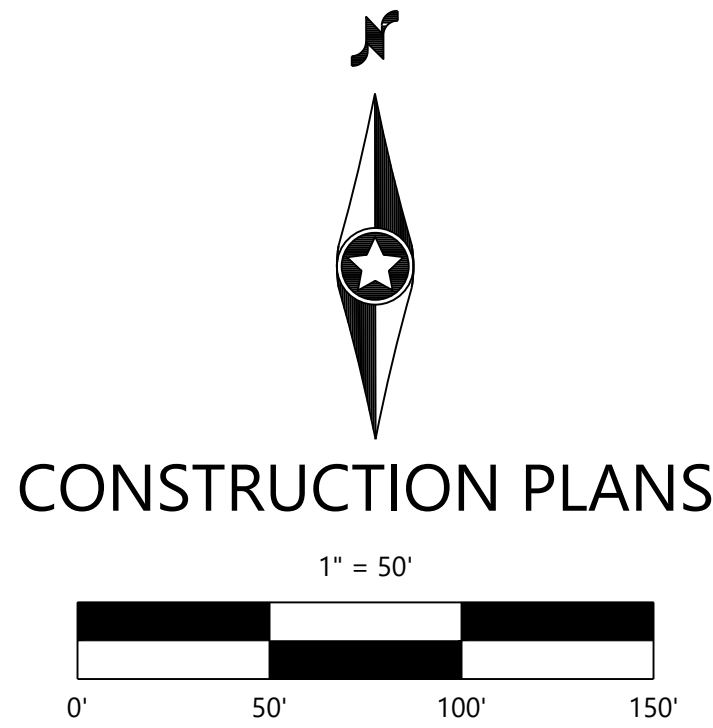
CONTRACTOR: NORTHWEST ASPHALT

|                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>RECORD DRAWING: GRADING</b><br/>CONFORMING TO CONSTRUCTION RECORDS.<br/>BY Ben Passolt DATE 12/16/22<br/><b>WESTWOOD PROFESSIONAL SERVICES</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|

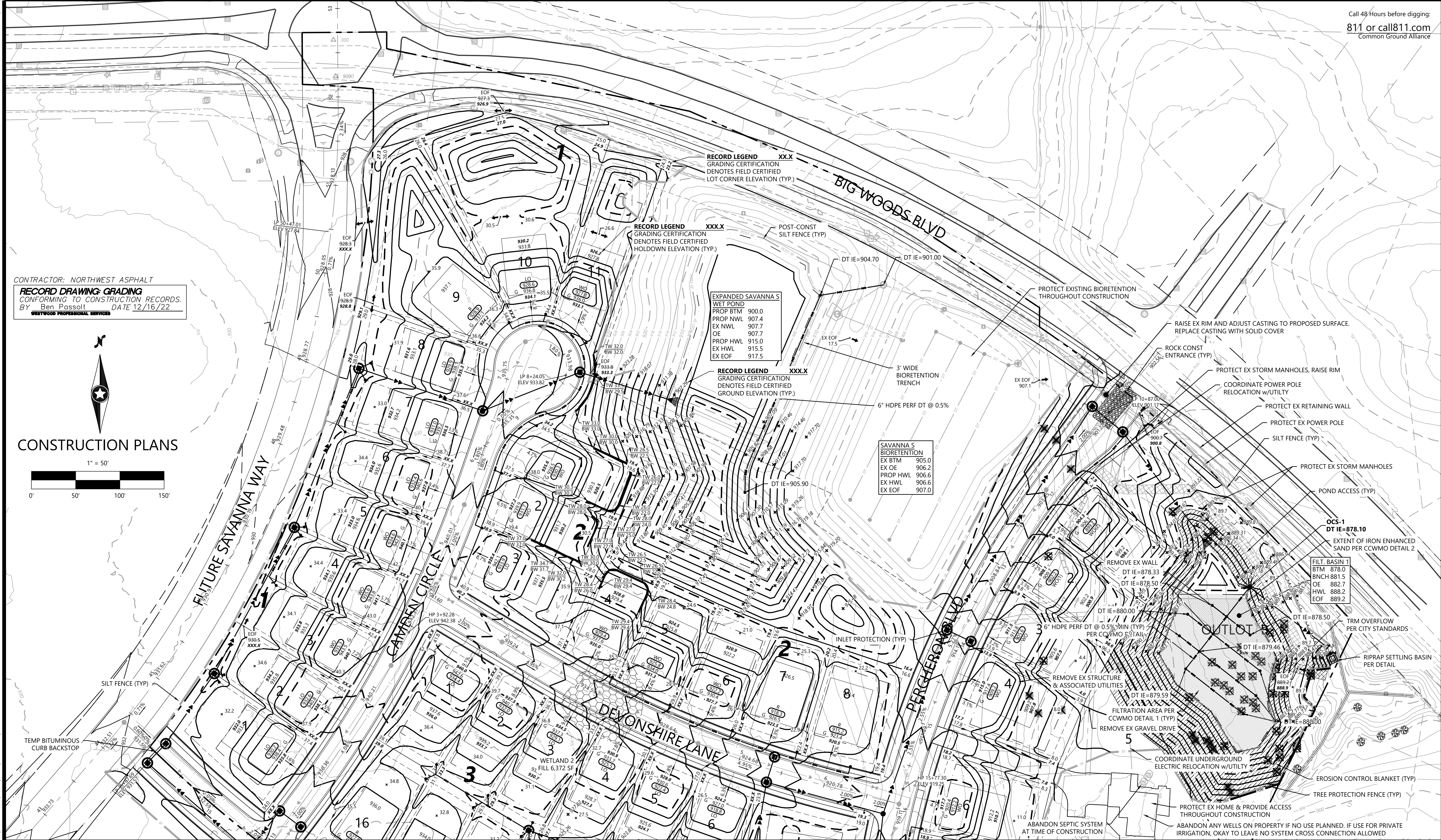
SHEET NUMBER:  
**2** OF  
DATE: 03/21/23



CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



N:\0027067.00\DWG\CIVIL\GRADING\00270675-GDF01.DWG



DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 04/29/22  
REVISIONS:  
09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
09/19/22 CITY COMMENTS  
11/15/22 REVISED PHASE 2 GRADING  
12/16/22 RECORD PLAN  
03/21/23 REVISED PER 2ND ADD PLAT

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
**JOHN H. BENDER**  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS**  
CHASKA, MN

**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

**GRADING, DRAINAGE,  
AND EROSION CONTROL  
PLANS**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

**3** OF **18**

DATE: 03/21/23



|                   |           |                                                                                     |                                                    |
|-------------------|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------|
| DESIGNED:         | FDH II    | INITIAL ISSUE:                                                                      | 04/29/22                                           |
| CHECKED:          | JHB       | REVISIONS:                                                                          |                                                    |
| DRAWN:            | CTY       |  | 09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT |
| HORIZONTAL SCALE: | 50'       |  | 09/19/22 CITY COMMENTS                             |
| VERTICAL SCALE:   | 10' OR 5' |  | 11/15/22 REVISED PHASE 2 GRADING                   |
|                   |           |  | 12/16/22 RECORD PLAN                               |
|                   |           |  | 03/21/23 REVISED PER 2ND ADD PLAT                  |

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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# RIVERTOWN HEIGHTS

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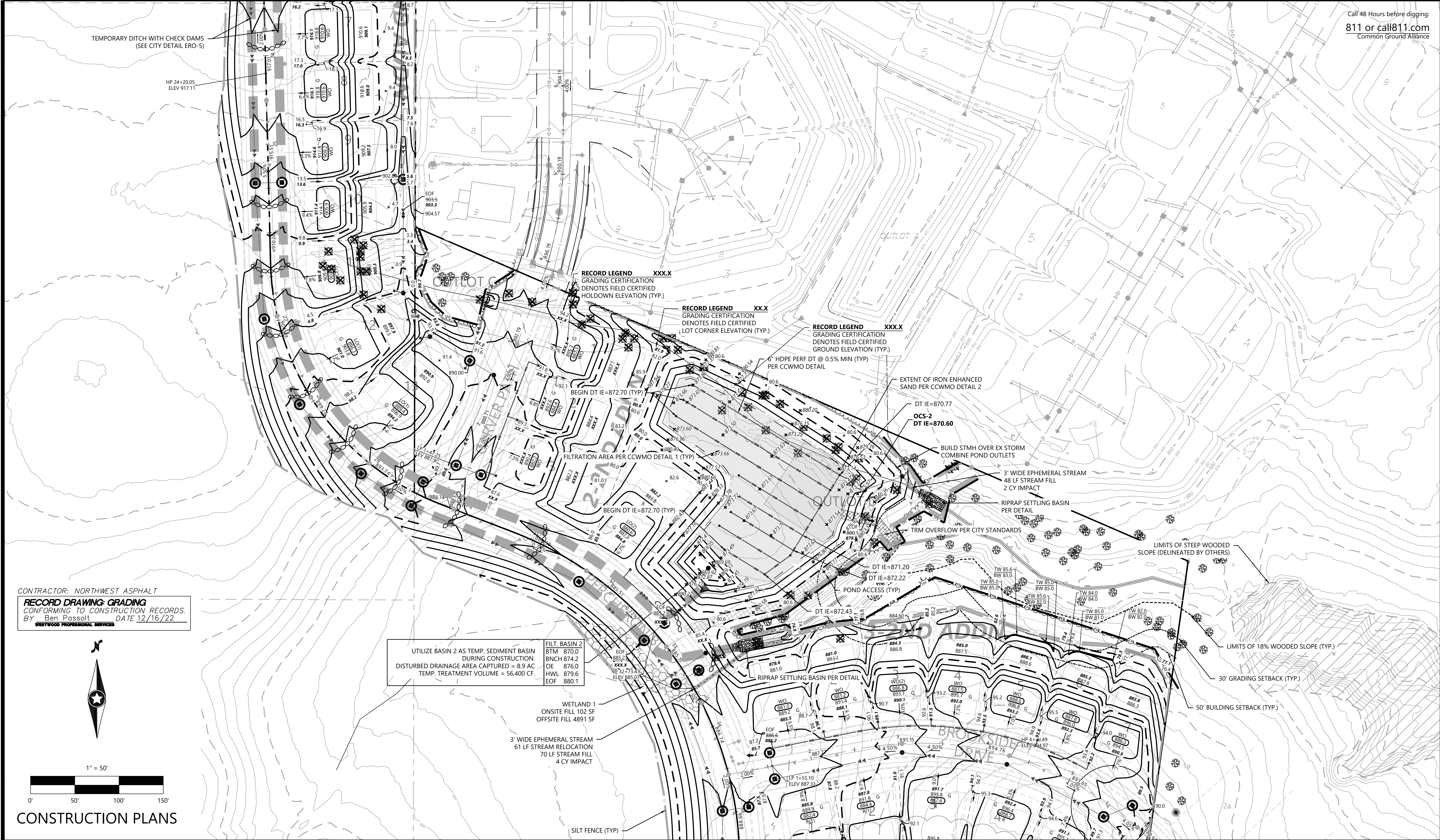
GRADING, DRAINAGE,  
AND EROSION CONTROL  
PLANS

PROJECT NUMBER: 0027067.00

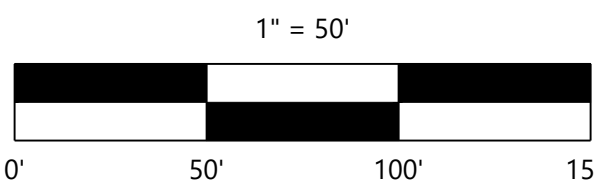
4 OF 18

DATE: 03/21/23





CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Possolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



## CONSTRUCTION PLANS

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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DATE: 03/21/23 LICENSE NO. 43358

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CHASKA, MN

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Westwood Professional Services, Inc.

**GRADING, DRAINAGE,  
AND EROSION CONTROL  
PLANS**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

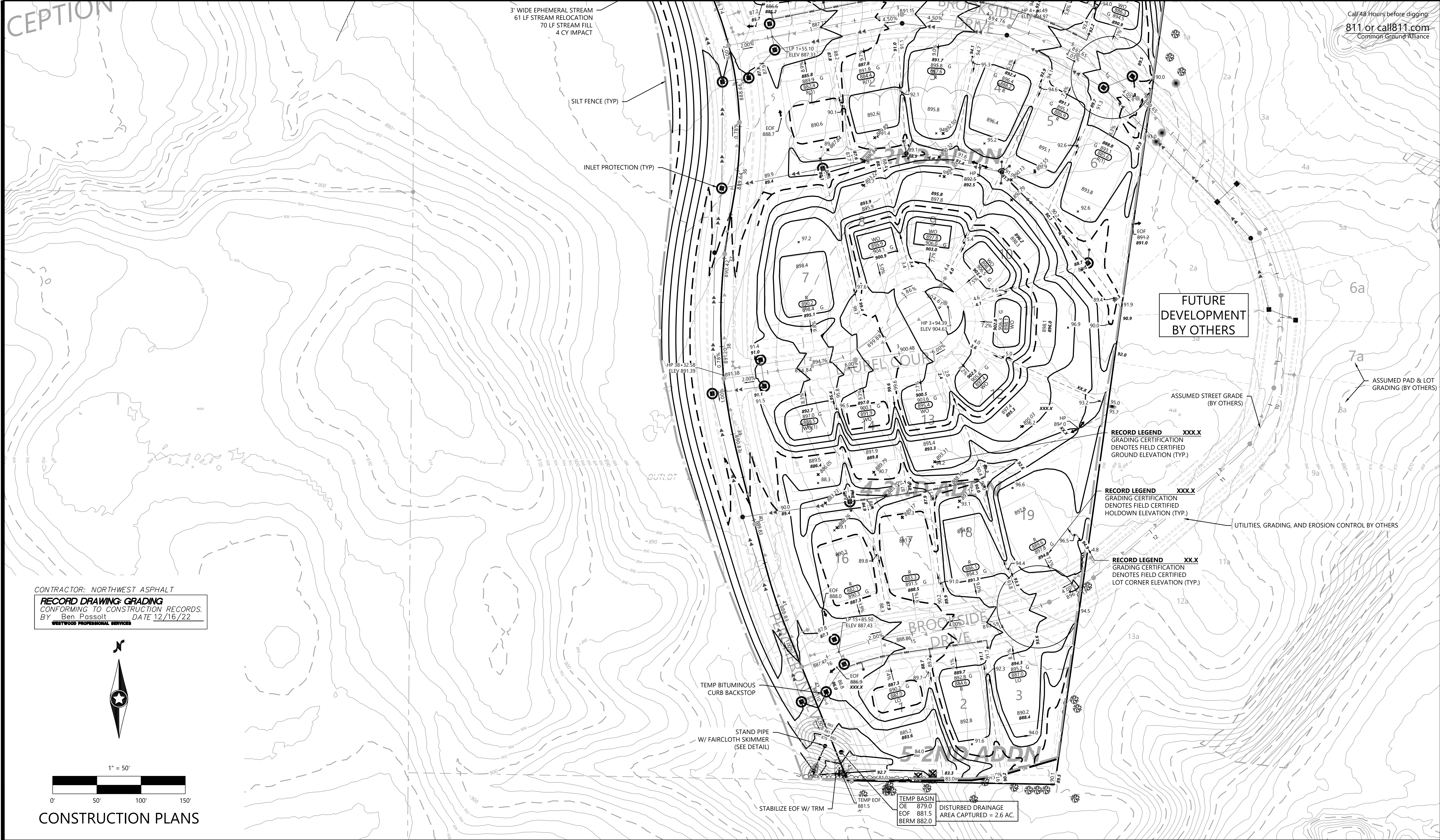
**5**

OF

**18**

DATE: 03/21/23





|                   |           |
|-------------------|-----------|
| DESIGNED:         | FDH II    |
| CHECKED:          | JHB       |
| DRAWN:            | CTY       |
| HORIZONTAL SCALE: | 50'       |
| VERTICAL SCALE:   | 10' OR 5' |

|                |                                           |
|----------------|-------------------------------------------|
| INITIAL ISSUE: | 04/29/22                                  |
| REVISIONS:     |                                           |
| 09/09/22       | REVISED PERCHERON BLVD VERTICAL ALIGNMENT |
| 09/19/22       | CITY COMMENTS                             |
| 11/15/22       | REVISED PHASE 2 GRADING                   |
| 12/16/22       | RECORD PLAN                               |
| 03/21/23       | REVISED PER 2ND ADD PLAT                  |

PREPARED FOR:

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20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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*John H. Bender*  
JOHN H. BENDER  
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PROJECT NUMBER: 0027067.00

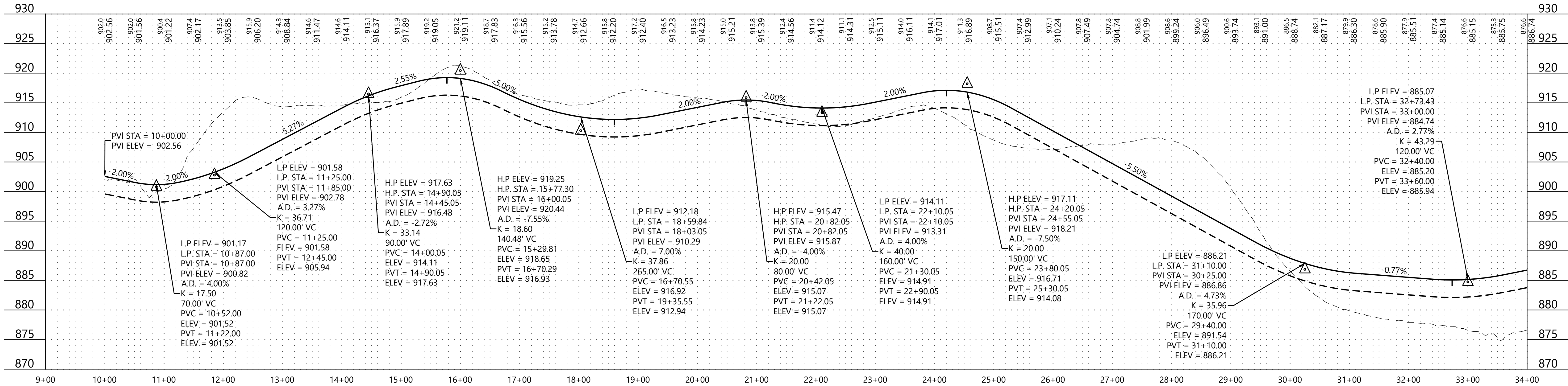
SHEET NUMBER:  
**6** OF **18**

DATE: 03/21/23

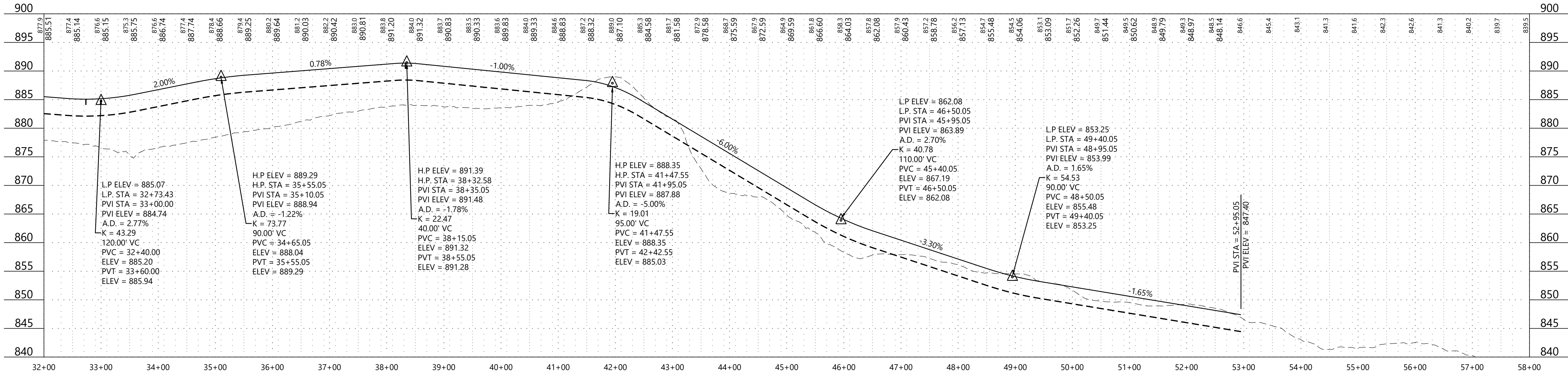


Street 1 - Percheron Blvd

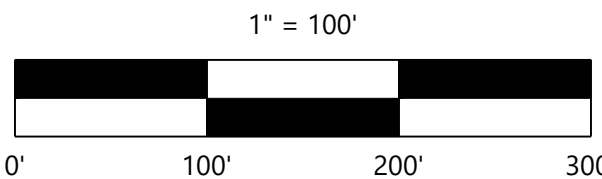
Call 48 Hours before digging:  
811 or call811.com  
Common Ground Alliance



Street 1 - Percheron Blvd



CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 100'  
VERTICAL SCALE: 20' OR 10'

INITIAL ISSUE: 04/29/22  
REVISIONS:  
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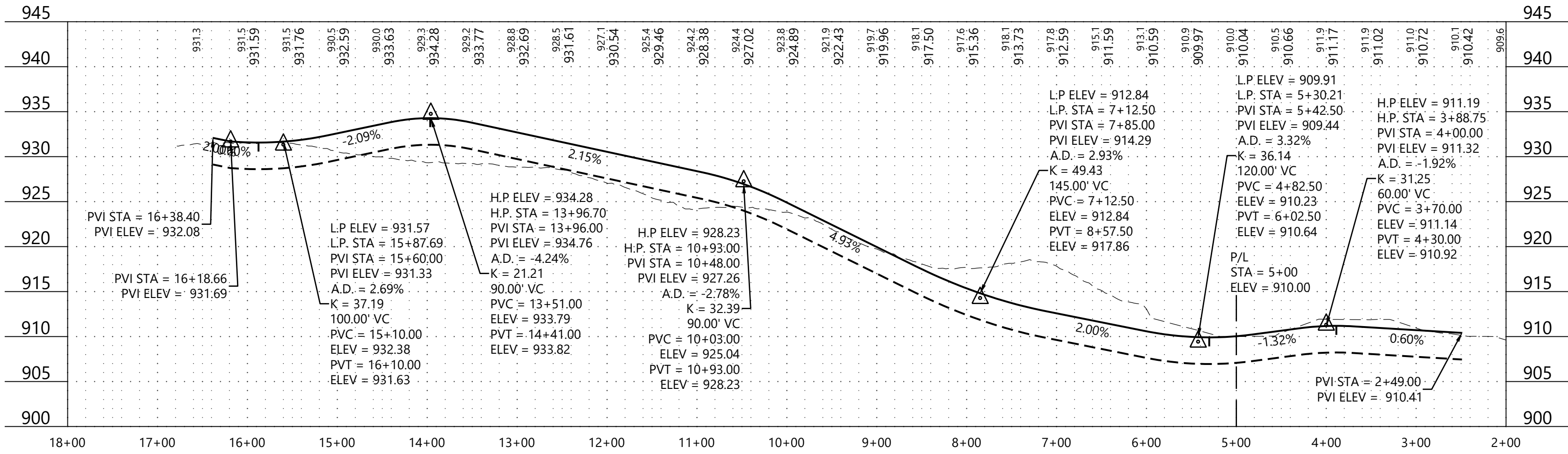
STREET PROFILES

PROJECT NUMBER: 0027067.00

SHEET NUMBER:  
7 OF 18  
DATE: 03/21/23

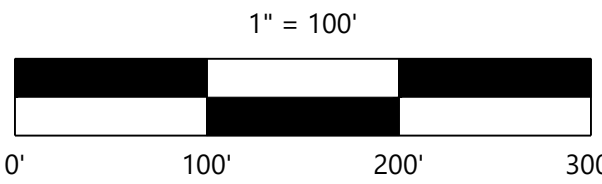


Street 2 - Founders Path



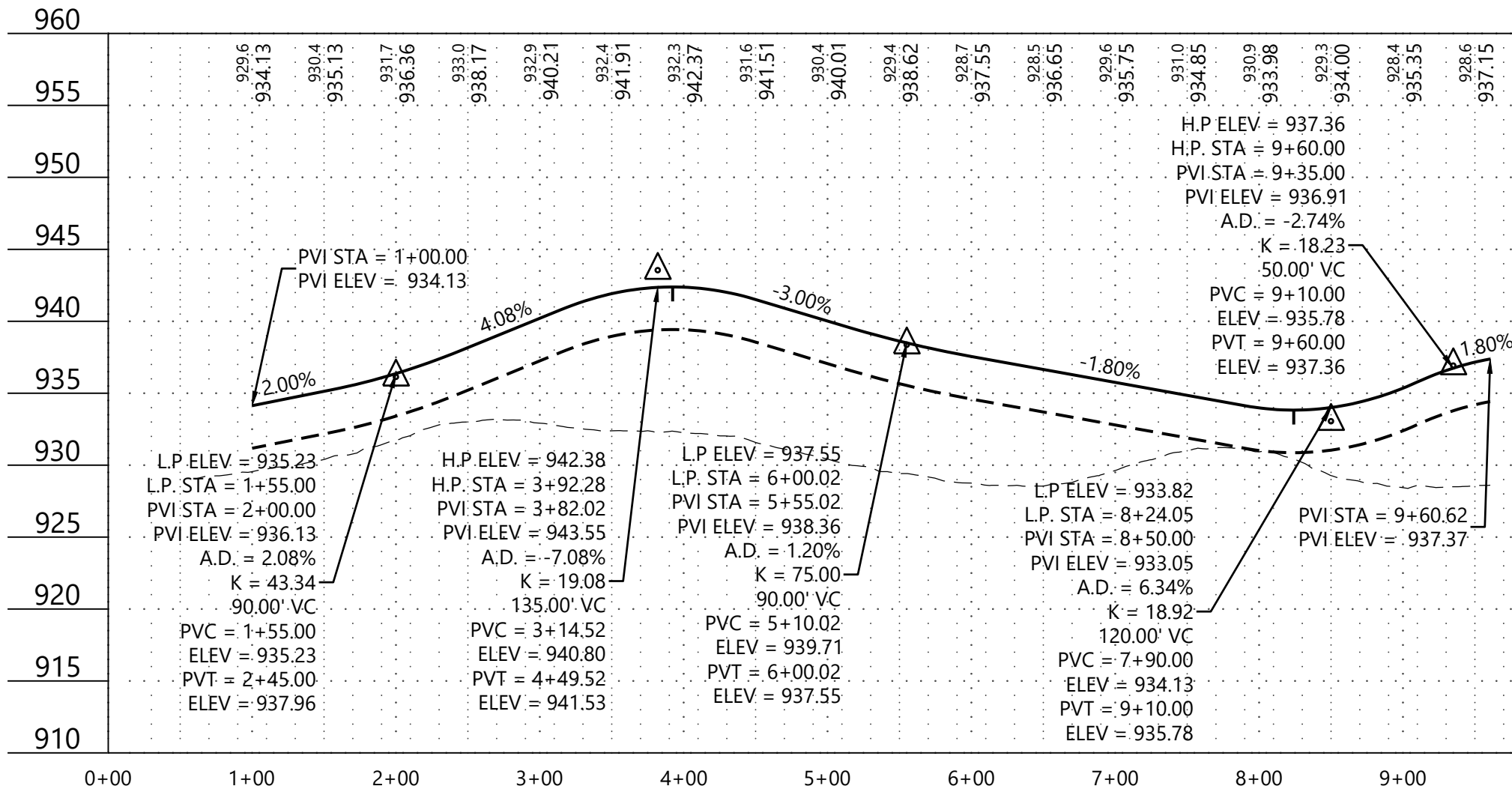
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CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Possolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES

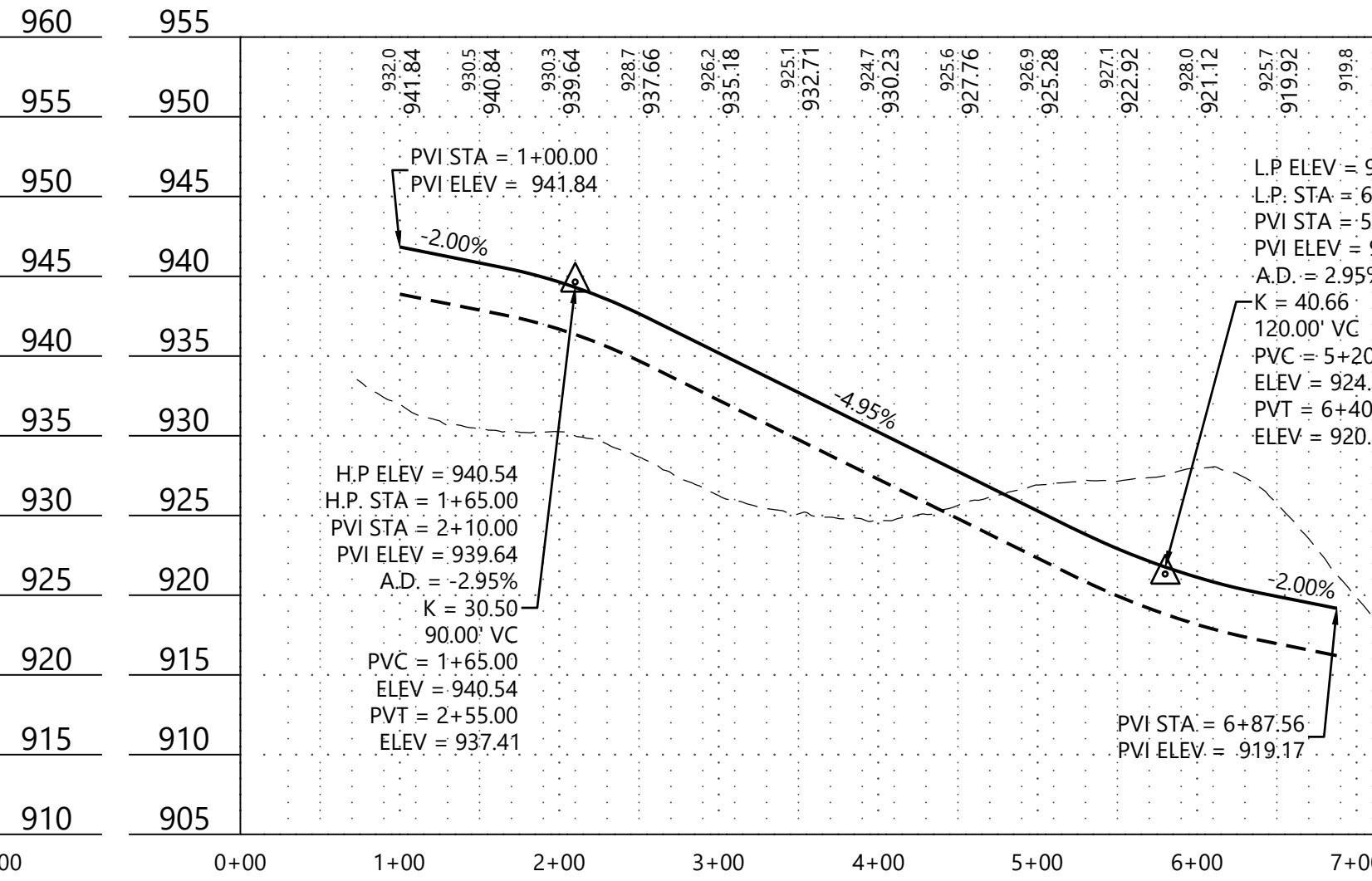


CONSTRUCTION PLANS

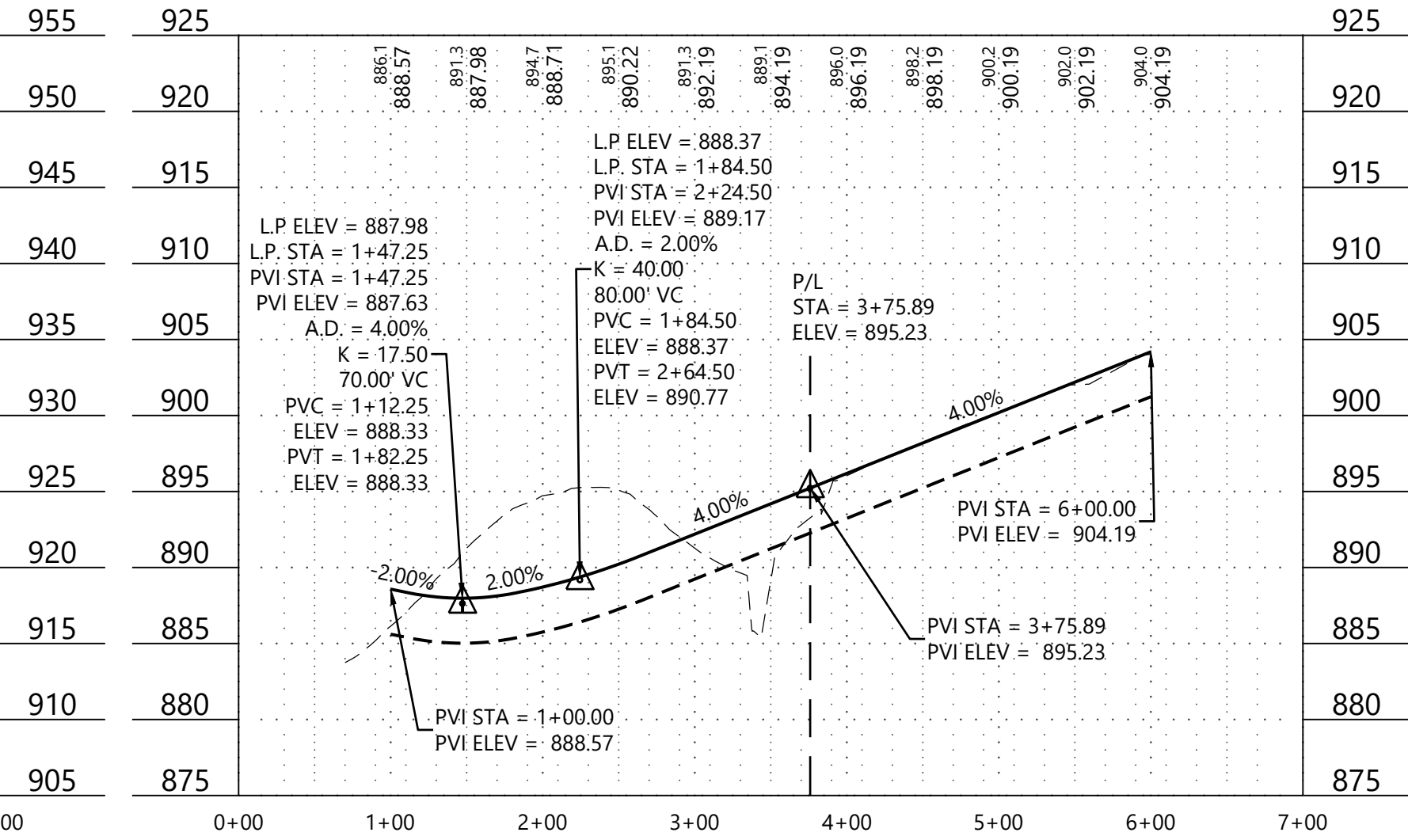
Street 4 - Camden Circle



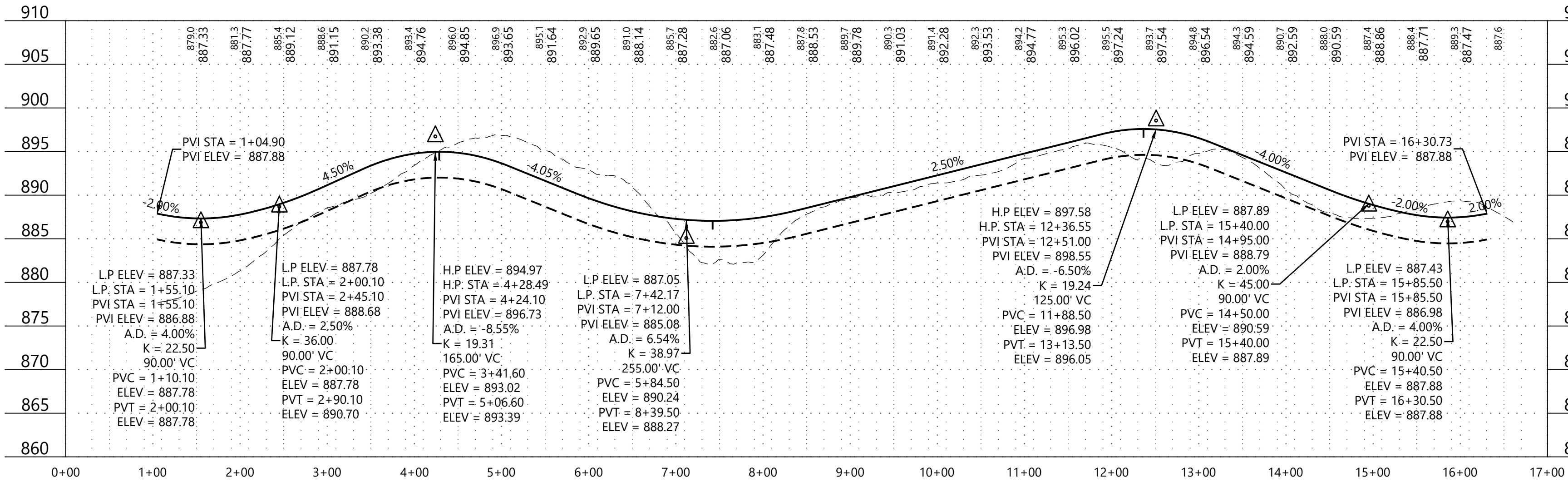
Street 5 - Devonshire Lane



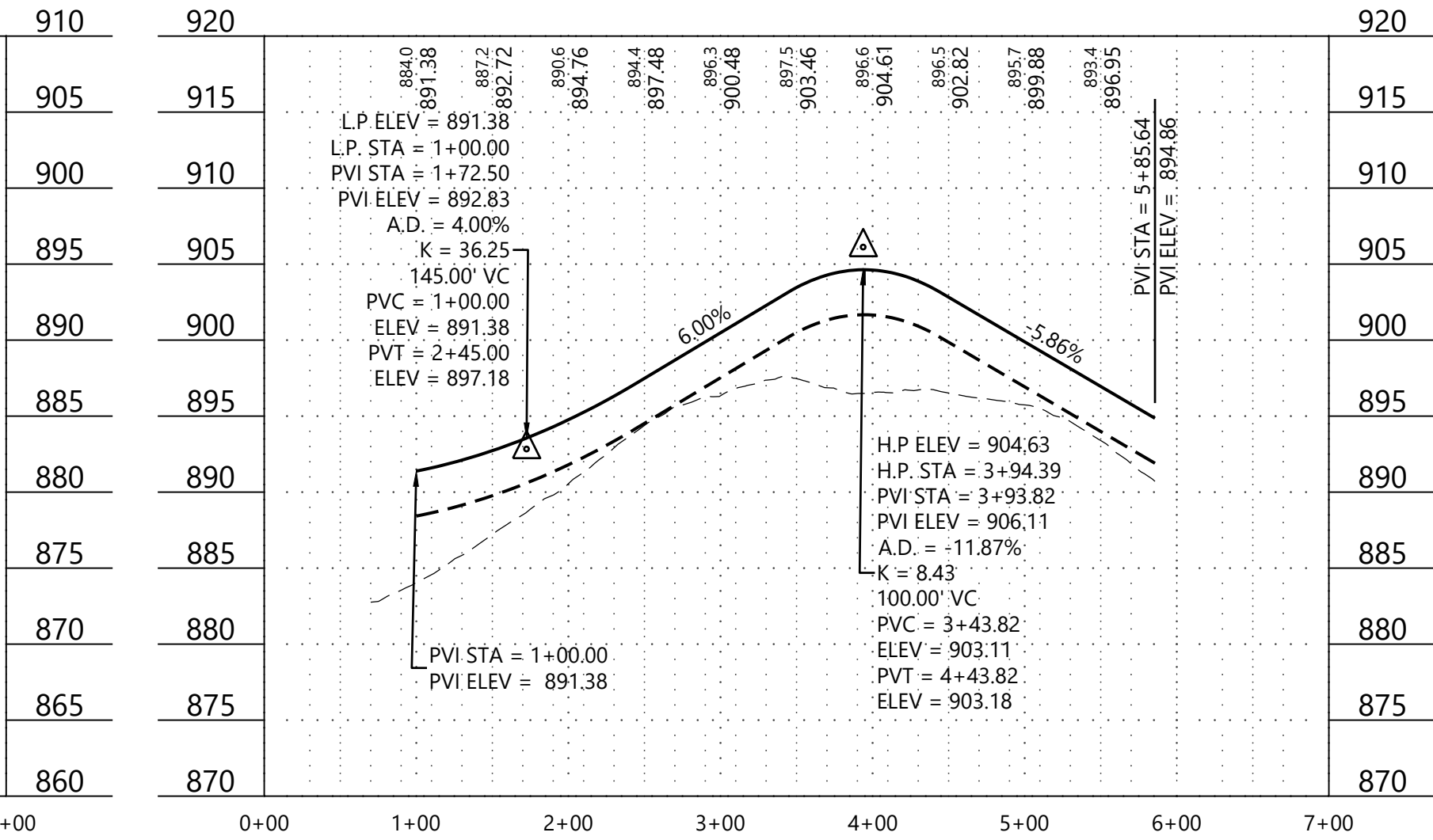
Street 6 - Carver Path



Street 7 - Brookside Drive



Street 8 - Laurel Court



RIVERTOWN HEIGHTS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 100'  
VERTICAL SCALE: 20' OR 10'

INITIAL ISSUE: 04/29/22  
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09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
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PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
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LAKEVILLE, MINNESOTA 55044

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DATE: 03/21/23 LICENSE NO. 43358

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CHASKA, MN

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STREET PROFILES

SHEET NUMBER:  
**8** OF **18**  
DATE: 03/21/23  
PROJECT NUMBER: 0027067.00



TRACTOR: NORTHWEST ASPHALT

**CORD DRAWING: GRADING**

INFORMING TO CONSTRUCTION RECORDS.

Ben Passolt DATE 12/16/22

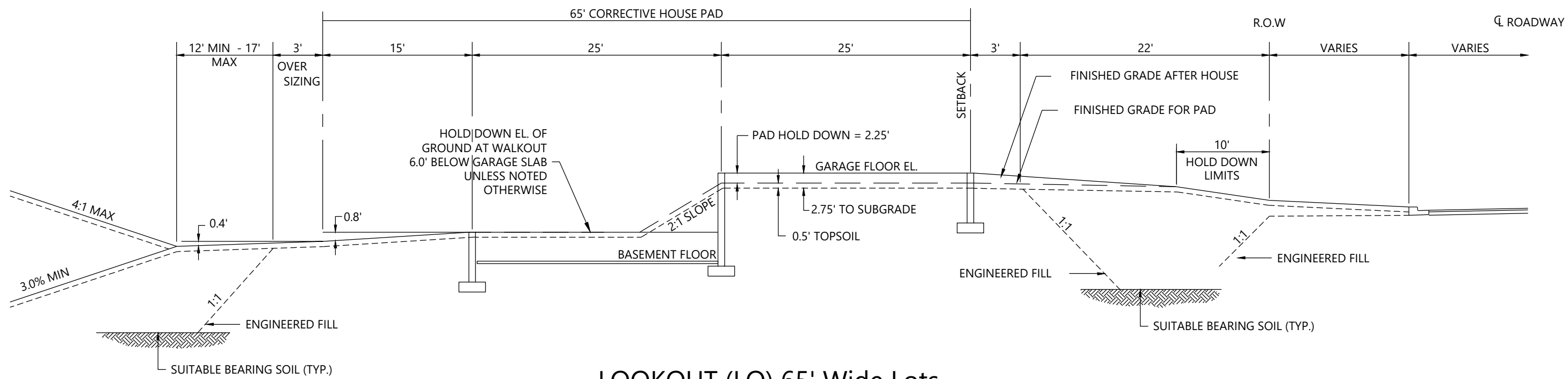
**WESTWOOD PROFESSIONAL SERVICES**

DATE: 03/21/23

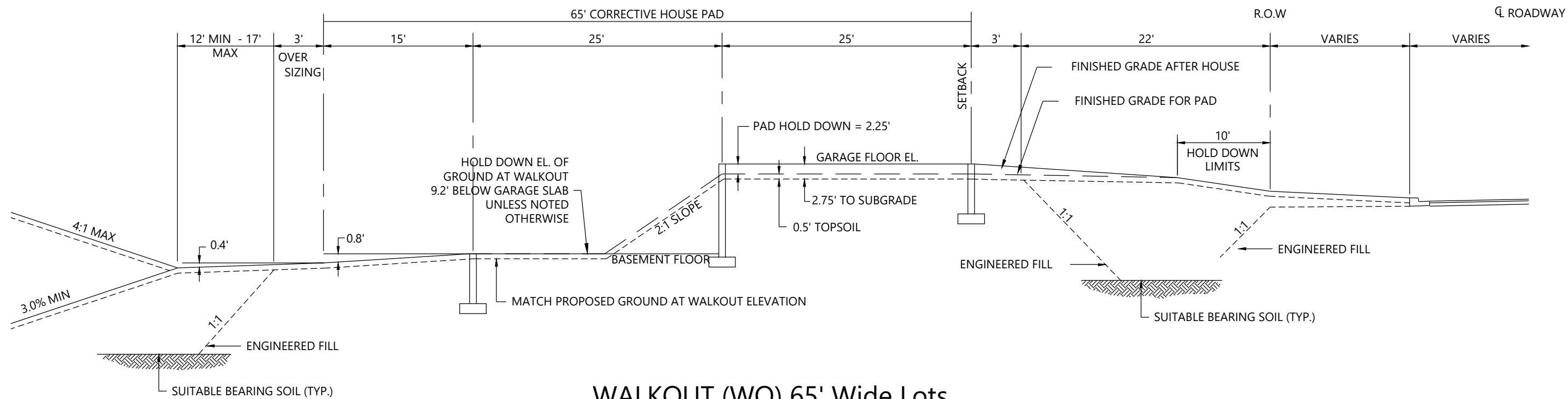
SHEET NUMBER:



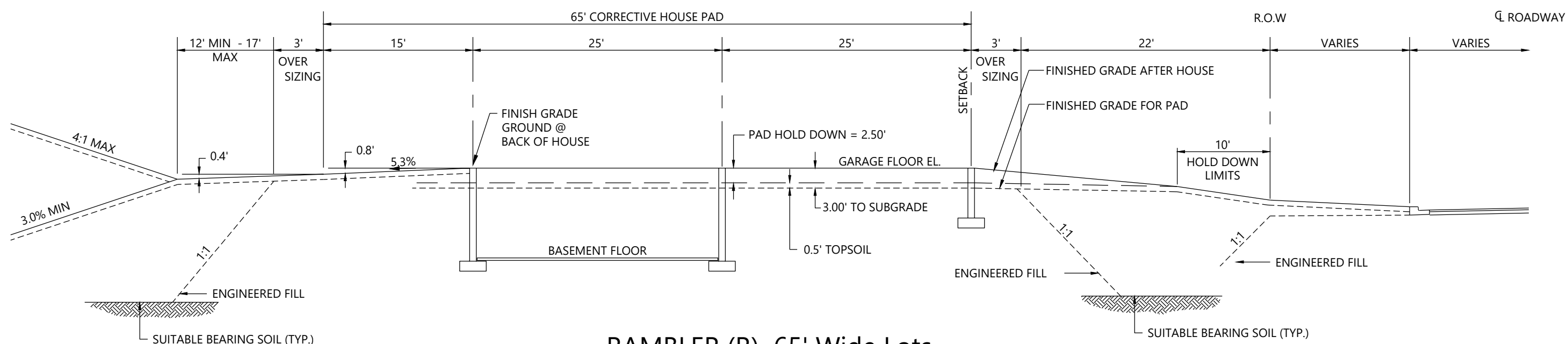
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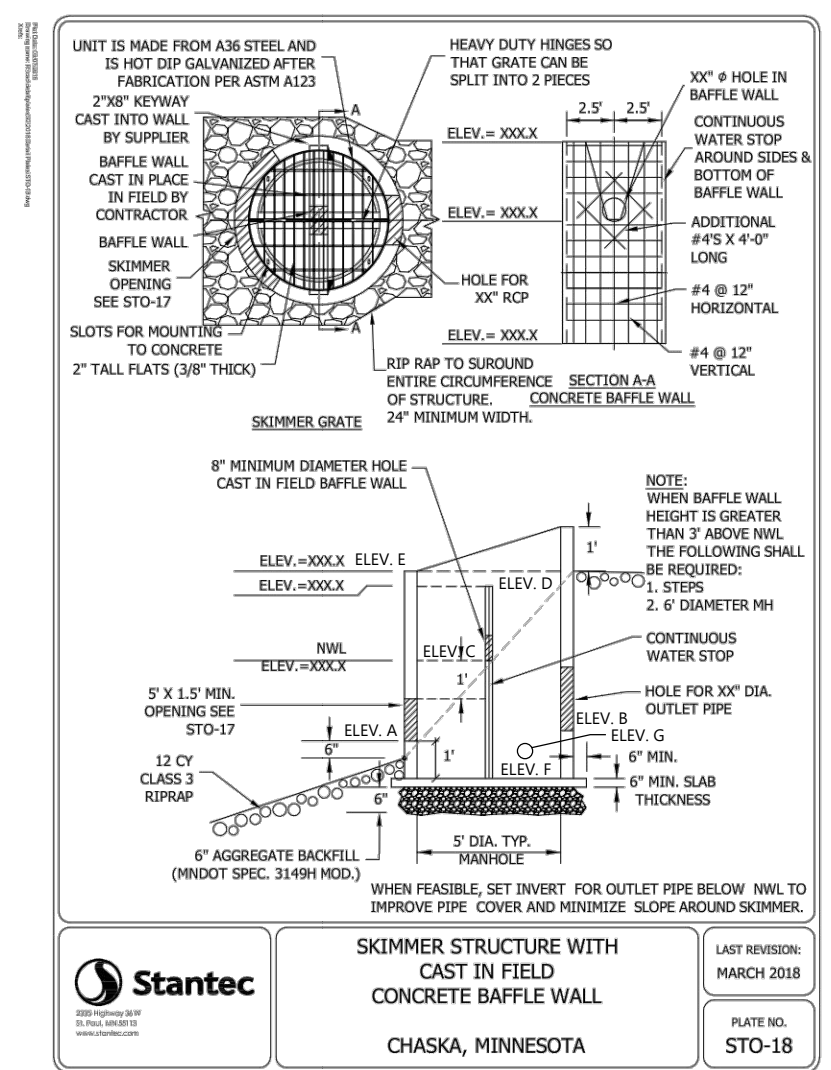
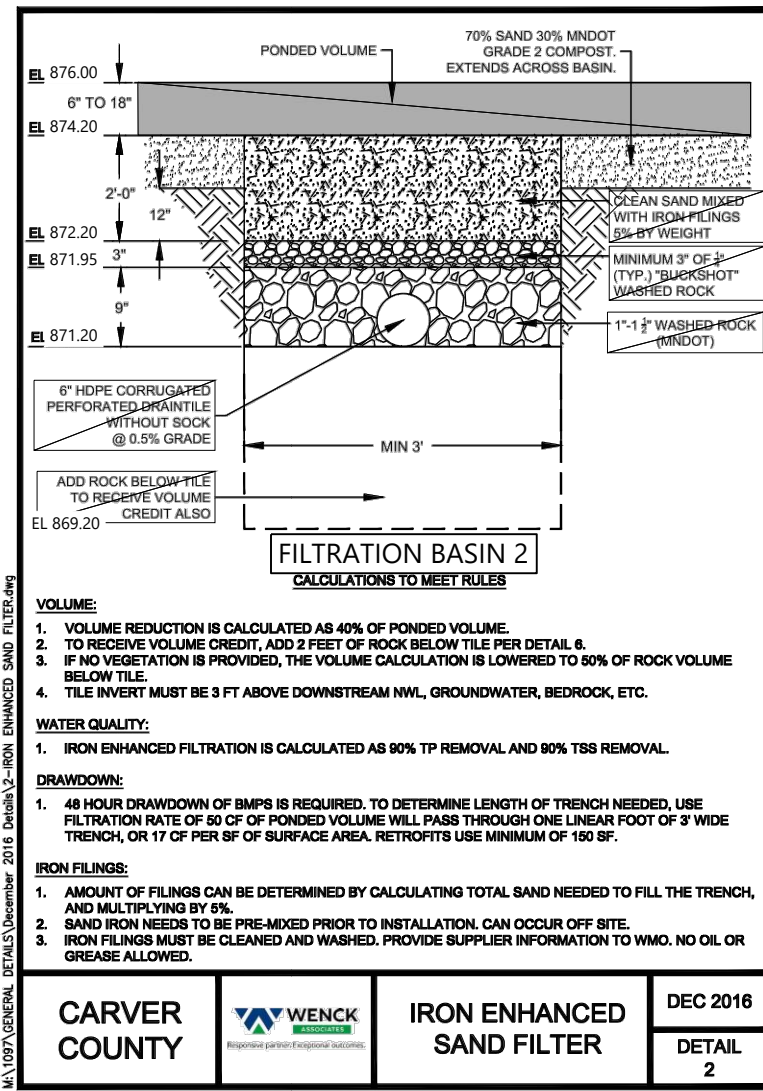
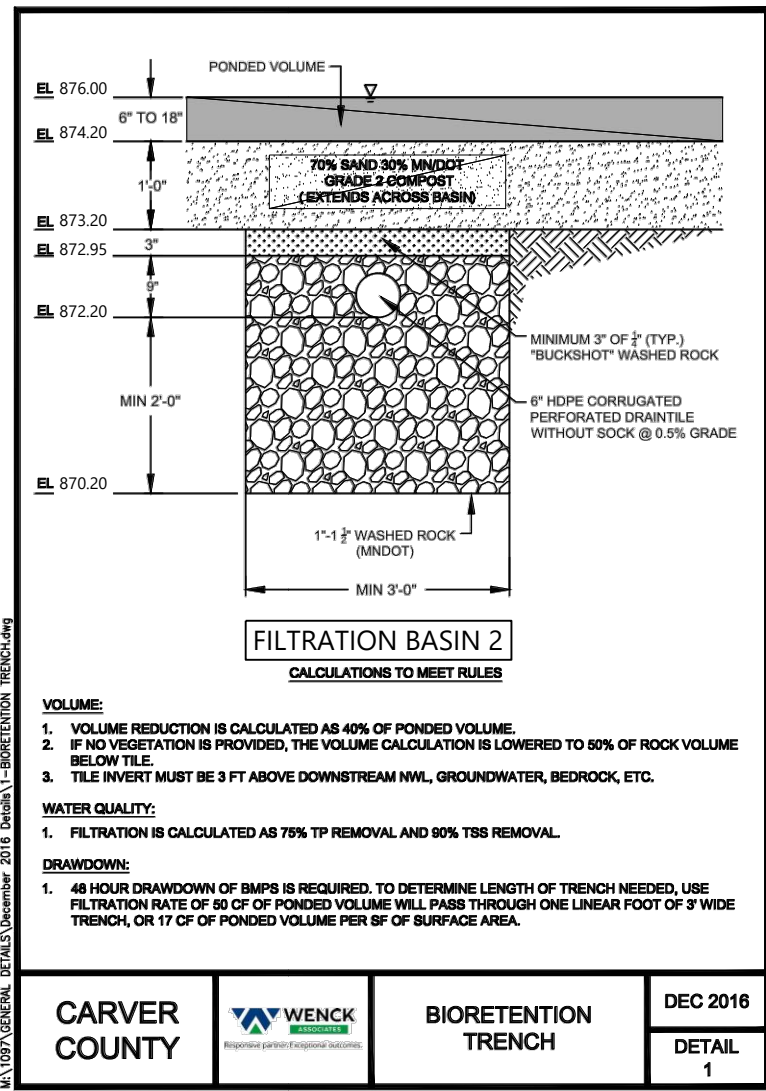
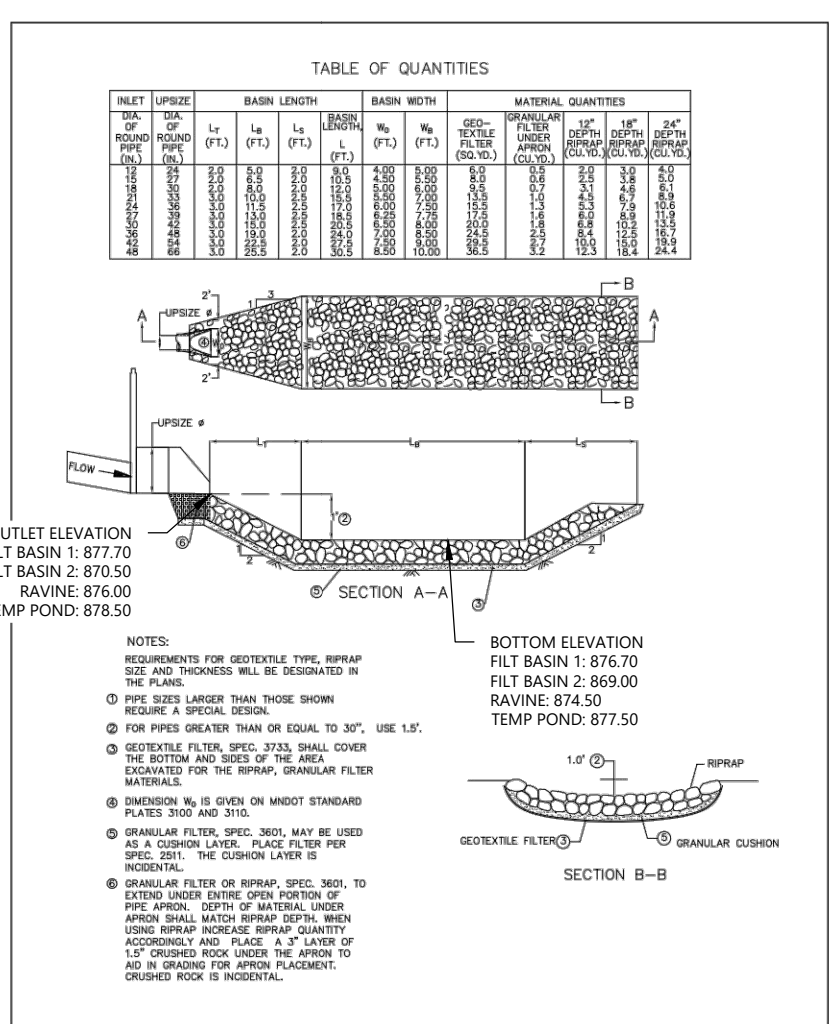
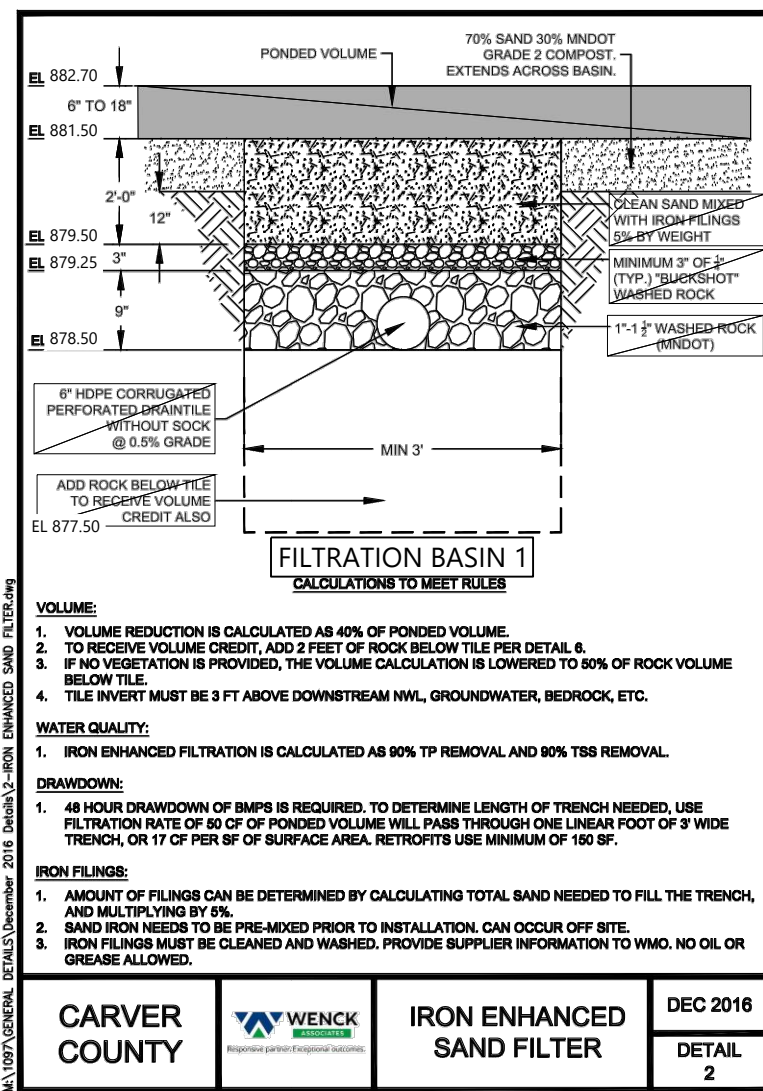
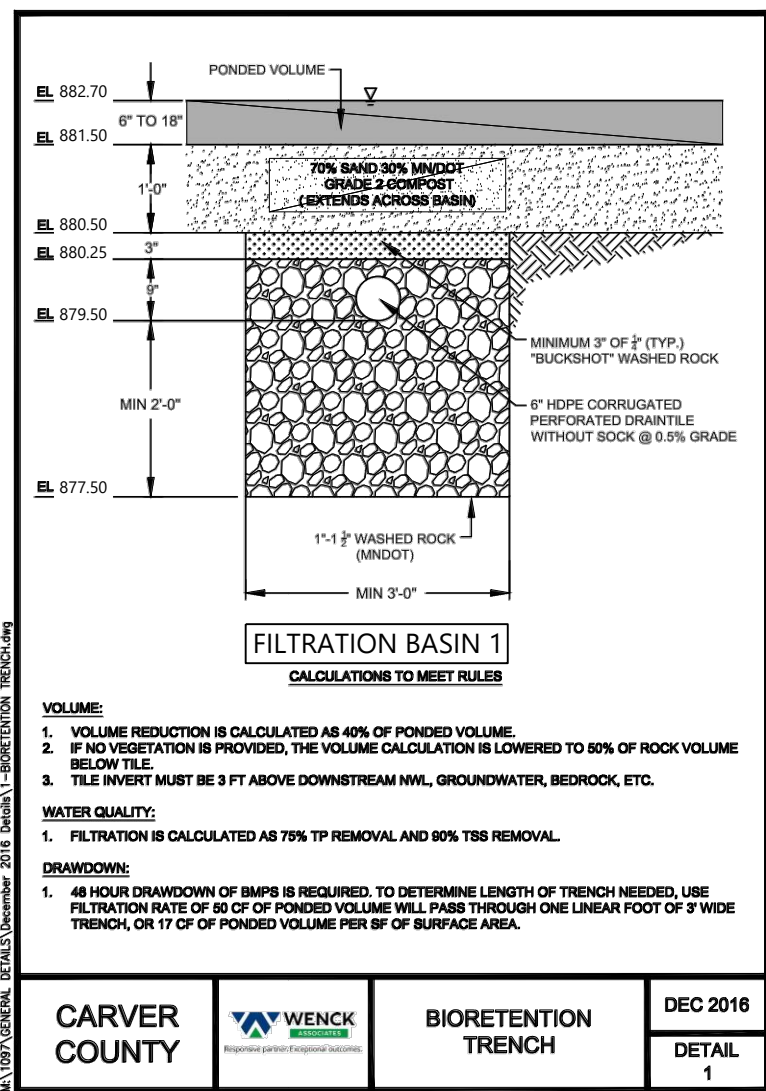
LOOKOUT (LO) 65' Wide Lots  
N.T.S.



WALKOUT (WO) 65' Wide Lots  
N.T.S.



RAMBLER (R) 65' Wide Lots  
N.T.S.



| STRUCTURE | POND          | NWL    | HWL    | ELEV A<br>(IE IN) | ELEV B<br>(IE OUT) | ELEV C<br>(OE) | ELEV D<br>(TOP WALL) | ELEV E<br>(RE LOW) | ELEV F<br>(SUMP) | ELEV G<br>(DT IE) | ORIFICE<br>SIZE | OUTLET<br>PIPE SIZE |
|-----------|---------------|--------|--------|-------------------|--------------------|----------------|----------------------|--------------------|------------------|-------------------|-----------------|---------------------|
| OCS 1     | FILT. BASIN 1 | 881.50 | 888.20 | 879.00            | 878.10             | ELEV D         | 882.70               | 888.20             | 877.60           | 878.10            | N/A             | 15\" RCP            |
| OCS 2     | FILT. BASIN 2 | 874.20 | 879.60 | 874.20            | 870.60             | 876.00         | 877.00               | 879.60             | 870.10           | 870.60            | 8\"             | 33\" RCP            |

CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES

N:\0027067\00 DWG\CIVIL\GRADING\0027067S-DTF02.DWG

RIVERTOWN HEIGHTS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: ###  
VERTICAL SCALE: ### OR ##

INITIAL ISSUE: 04/29/22  
REVISIONS:  
09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
09/19/22 CITY COMMENTS  
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**RIVERTOWN HEIGHTS**  
CHASKA, MN

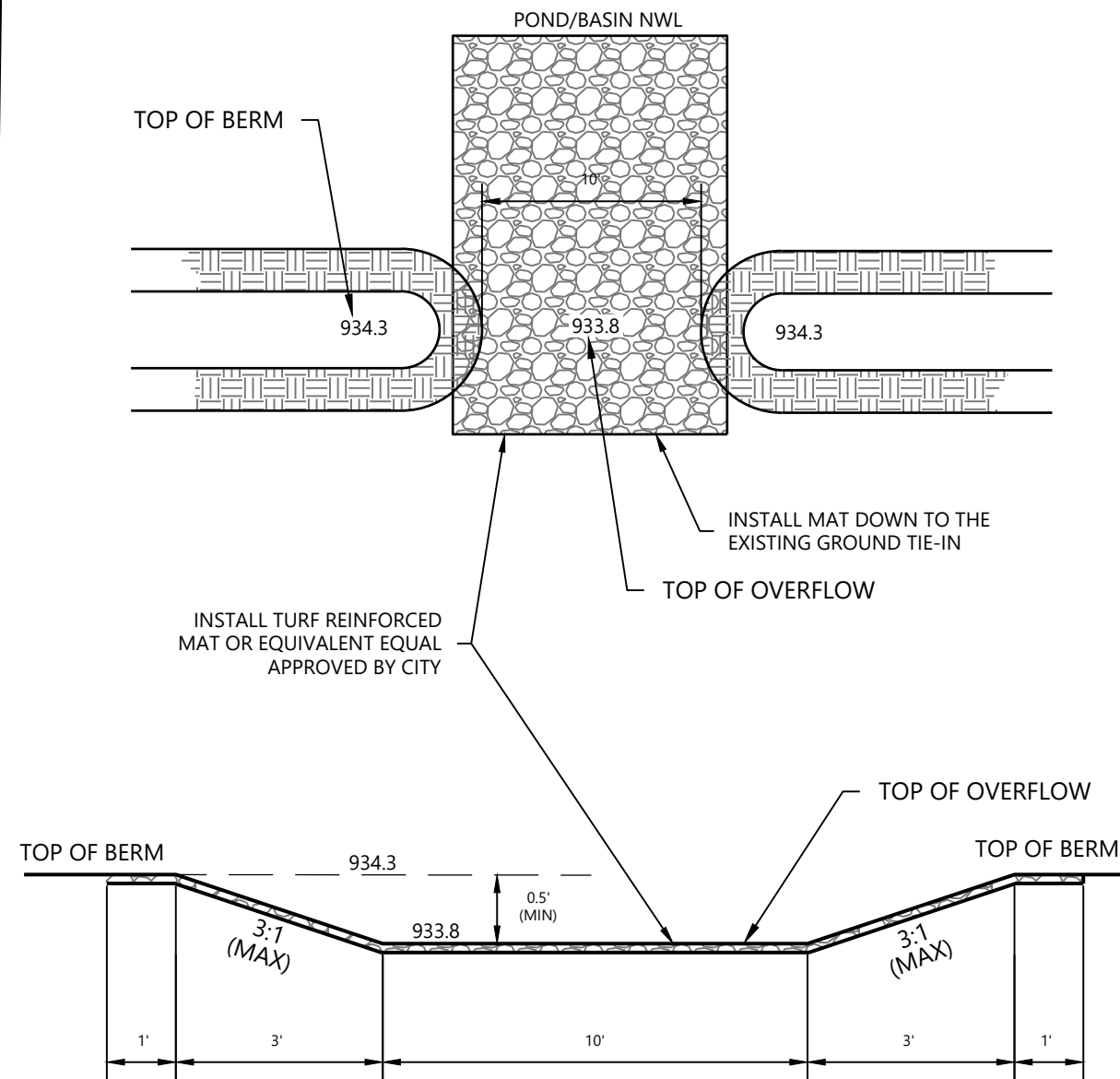
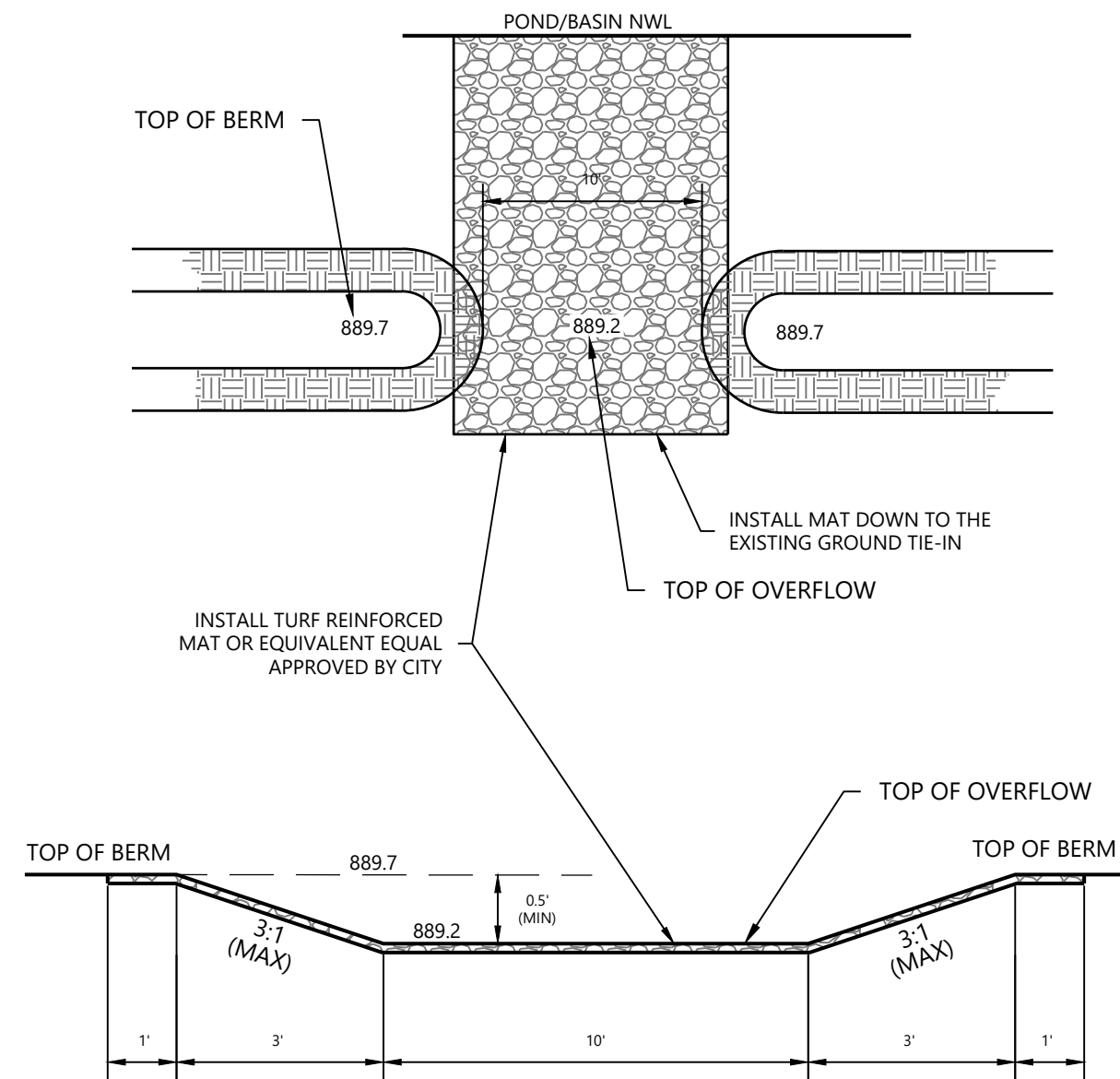
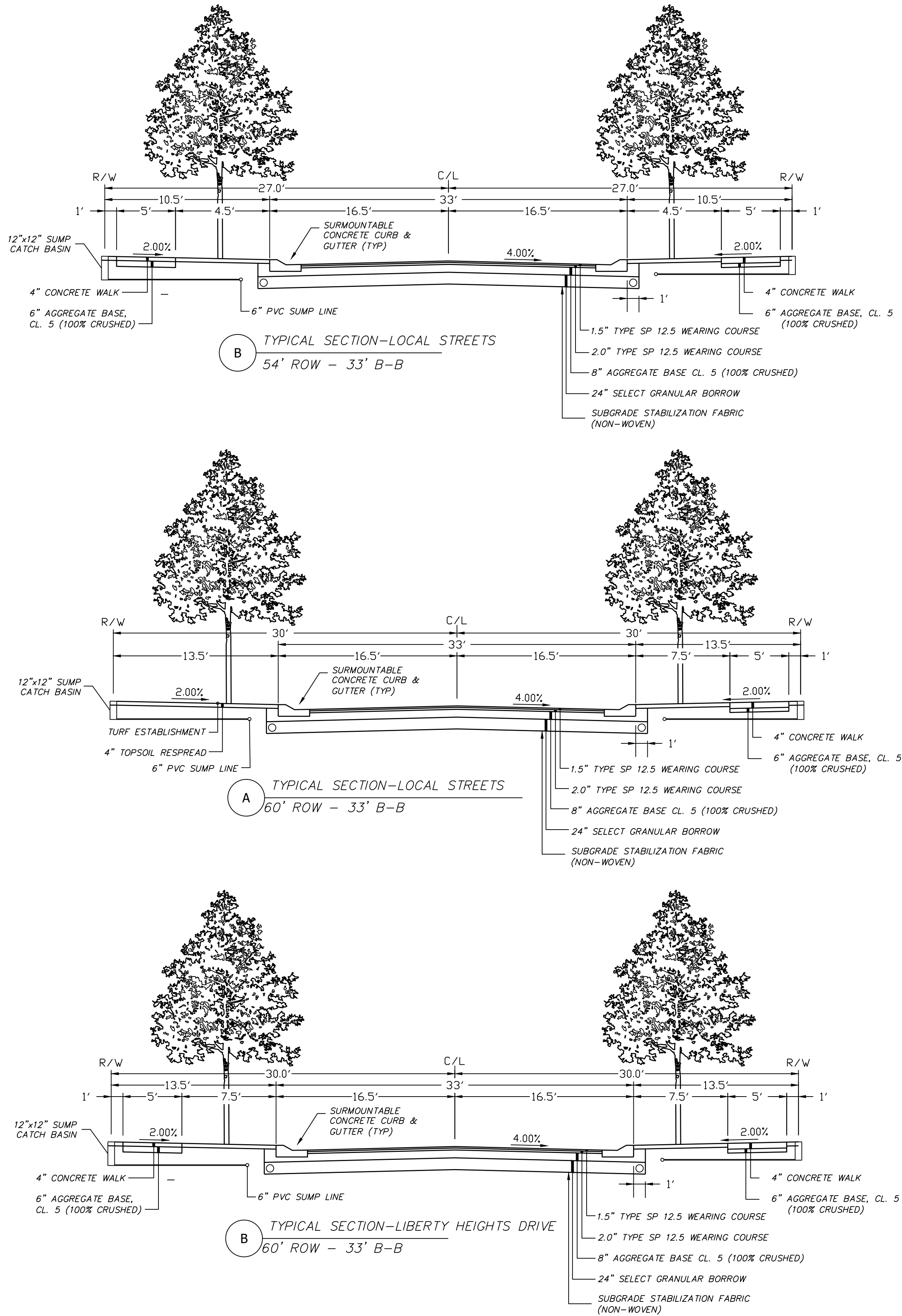
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Westwood Professional Services, Inc.

DETAILS

PROJECT NUMBER: 0027067.00

SHEET NUMBER:  
**10** OF  
**18**  
DATE: 03/21/23





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**811 or call811.com**  
Common Ground Alliance

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: ###  
VERTICAL SCALE: ## or ##

INITIAL ISSUE: 04/29/22  
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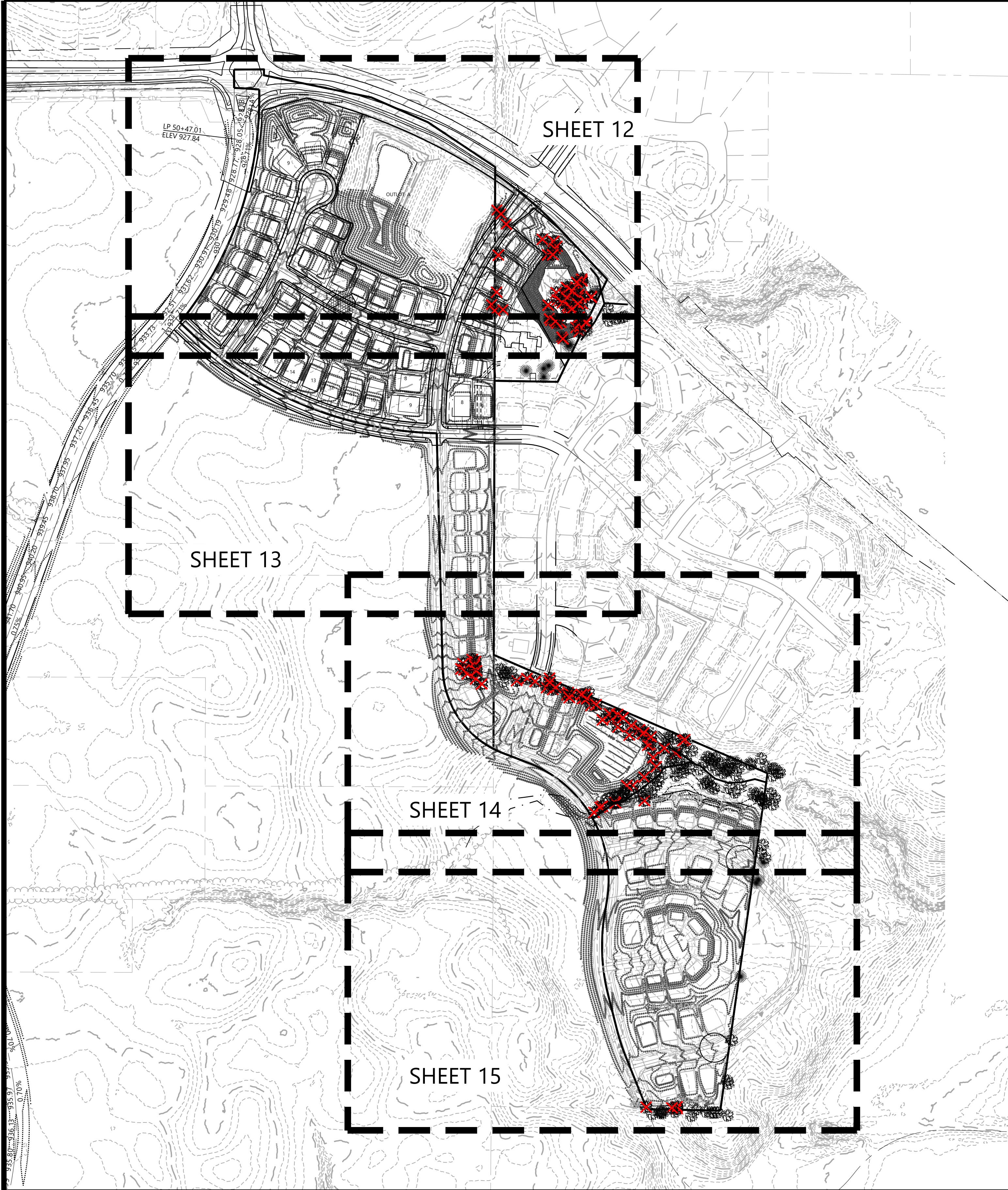
**RIVERTOWN HEIGHTS**  
CHASKA, MN

**Westwood**  
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TYPICAL STREET  
SECTIONS POND  
OVERFLOW DETAILS  
PROJECT NUMBER: 0027067.00

SHEET NUMBER:  
**10A** OF **18**  
DATE: 03/21/23





### TREE INVENTORY REGULATIONS

SIGNIFICANT TREES:  
DECIDUOUS HARDWOOD TREES - 12" DBH OR LARGER  
CONIFEROUS TREES - 15' HT. OR LARGER  
CONIFEROUS TREES CONVERSION RATE: 1' HT. = 2.4" DBH    15' HT. = 7" DBH

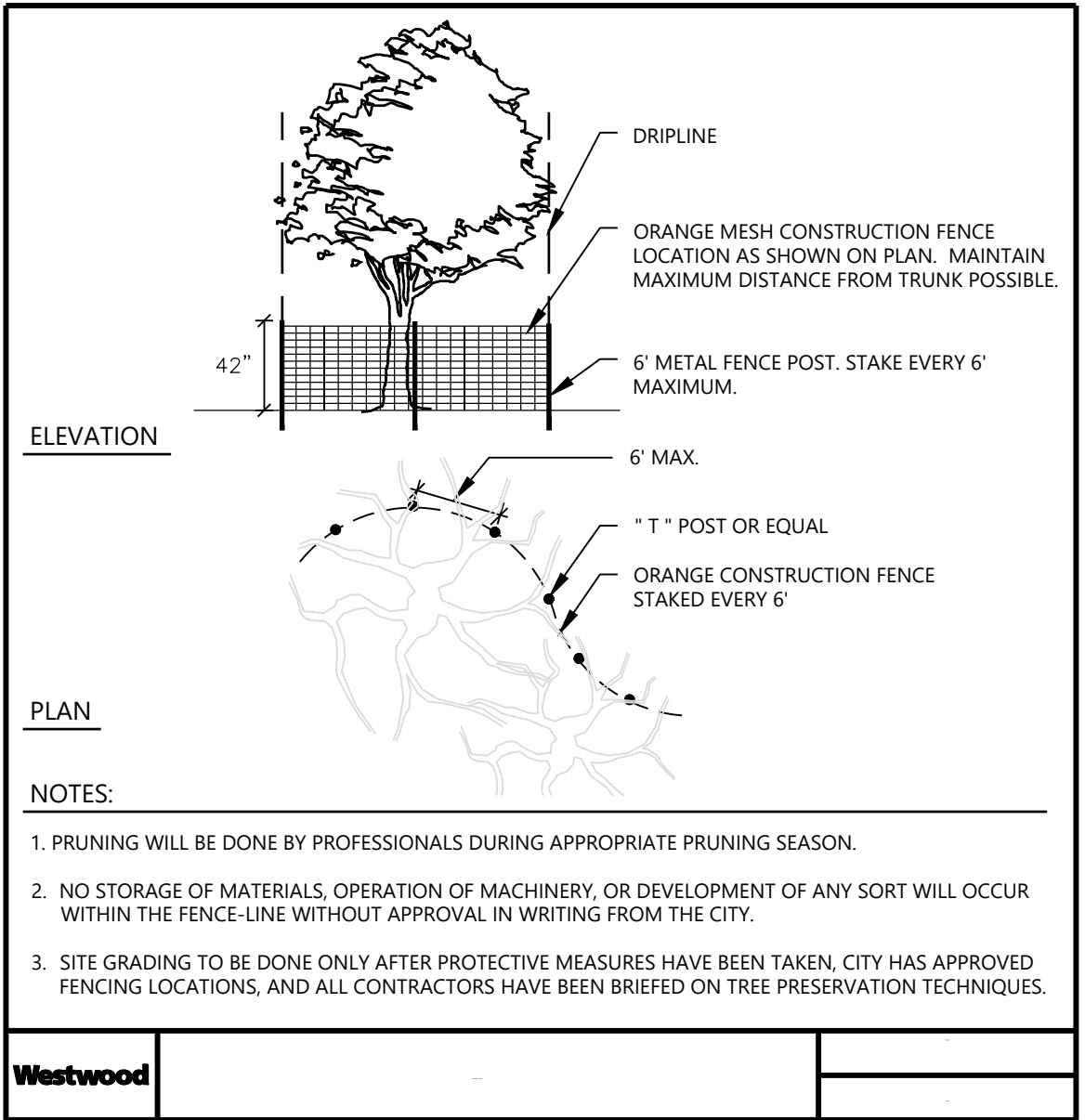
### TREE INVENTORY CALCULATIONS

| Tree Inventory Calculations          |               |
|--------------------------------------|---------------|
| Total Healthy Caliper Inches Onsite  | 2,396 DBH In. |
| Total Healthy Trees Onsite           | 166 Trees     |
| Total Healthy Caliper Inches Saved   | 991 DBH In.   |
| Total Healthy Trees Saved            | 70 Trees      |
| Total Healthy Caliper Inches Removed | 1,405 DBH In. |
| Total Healthy Trees Removed          | 96 Trees      |

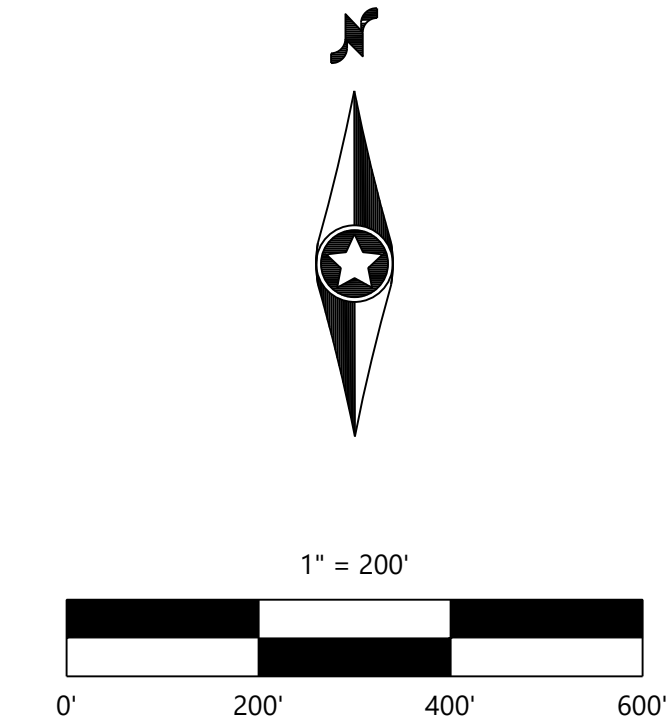
### LEGEND

-  EXISTING DECIDUOUS TREE TO REMAIN
-  EXISTING DECIDUOUS TREE TO BE REMOVED
-  EXISTING CONIFEROUS TREE TO REMAIN
-  EXISTING CONIFEROUS TREE TO BE REMOVED

### TREE PROTECTION DETAIL



CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 200'  
VERTICAL SCALE: 40' OR 20'

INITIAL ISSUE: 04/29/22  
REVISIONS:  
09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
09/19/22 CITY COMMENTS  
11/15/22 REVISED PHASE 2 GRADING  
12/16/22 RECORD PLAN  
03/21/23 REVISED PER 2ND ADD PLAT

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

I HEREBY CERTIFY THAT THIS PLAN 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  
CORY MEYER  
DATE: 03/21/23 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**  
CHASKA, MN

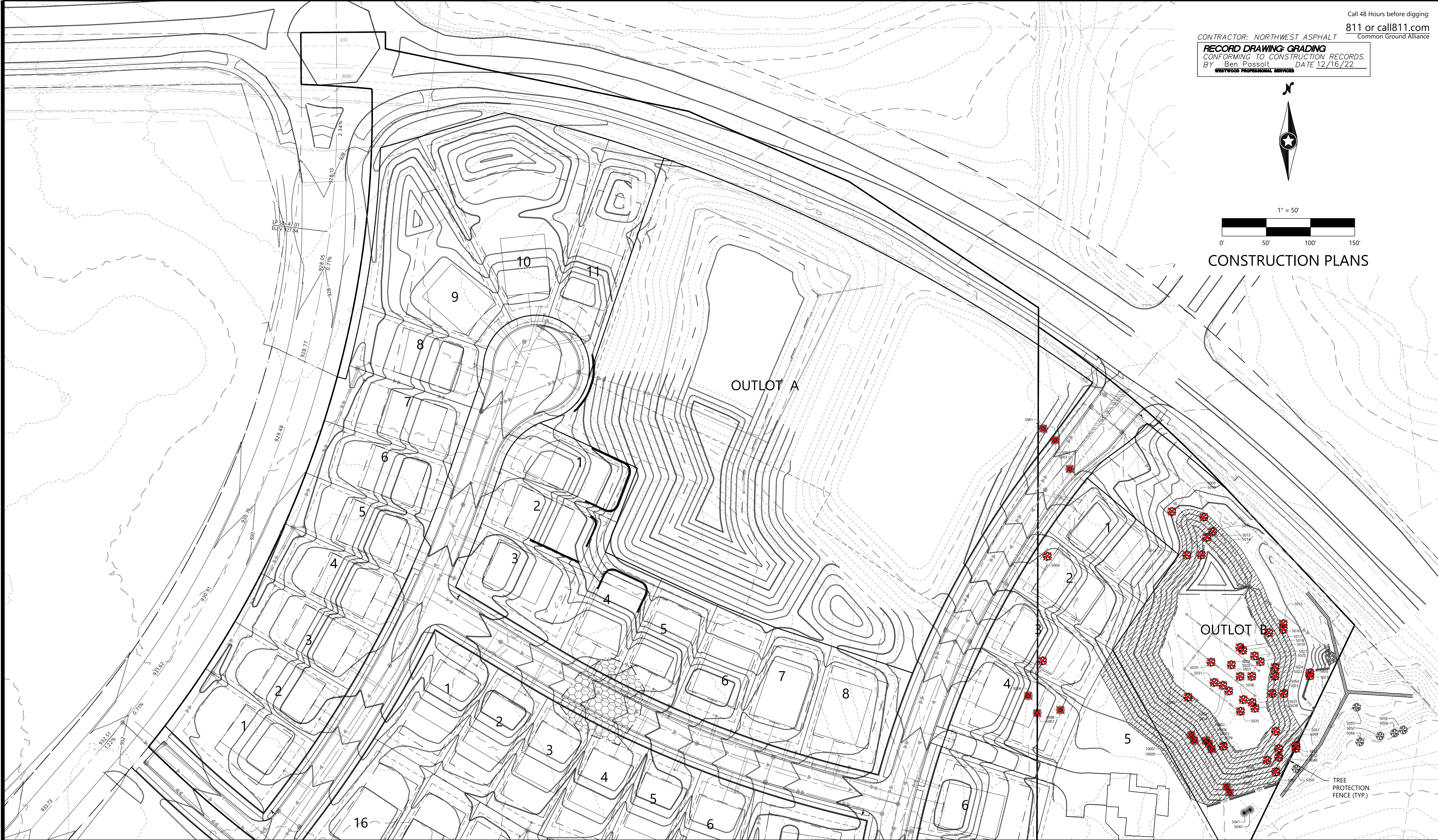
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Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

**TREE PRESERVATION**  
**PLAN - OVERALL**

PROJECT NUMBER: 0027067.00

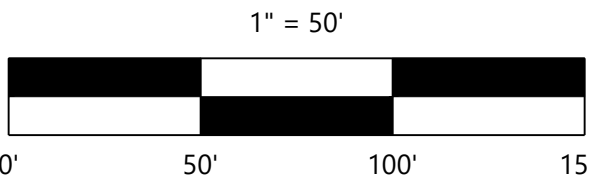
SHEET NUMBER:  
**11** OF **18**  
DATE: 03/21/23





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CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 04/29/22  
REVISIONS:  
09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
09/19/22 CITY COMMENTS  
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12/16/22 RECORD PLAN  
03/21/23 REVISED PER 2ND ADD PLAT

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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CORY MEYER  
DATE: 03/21/23 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**  
CHASKA, MN

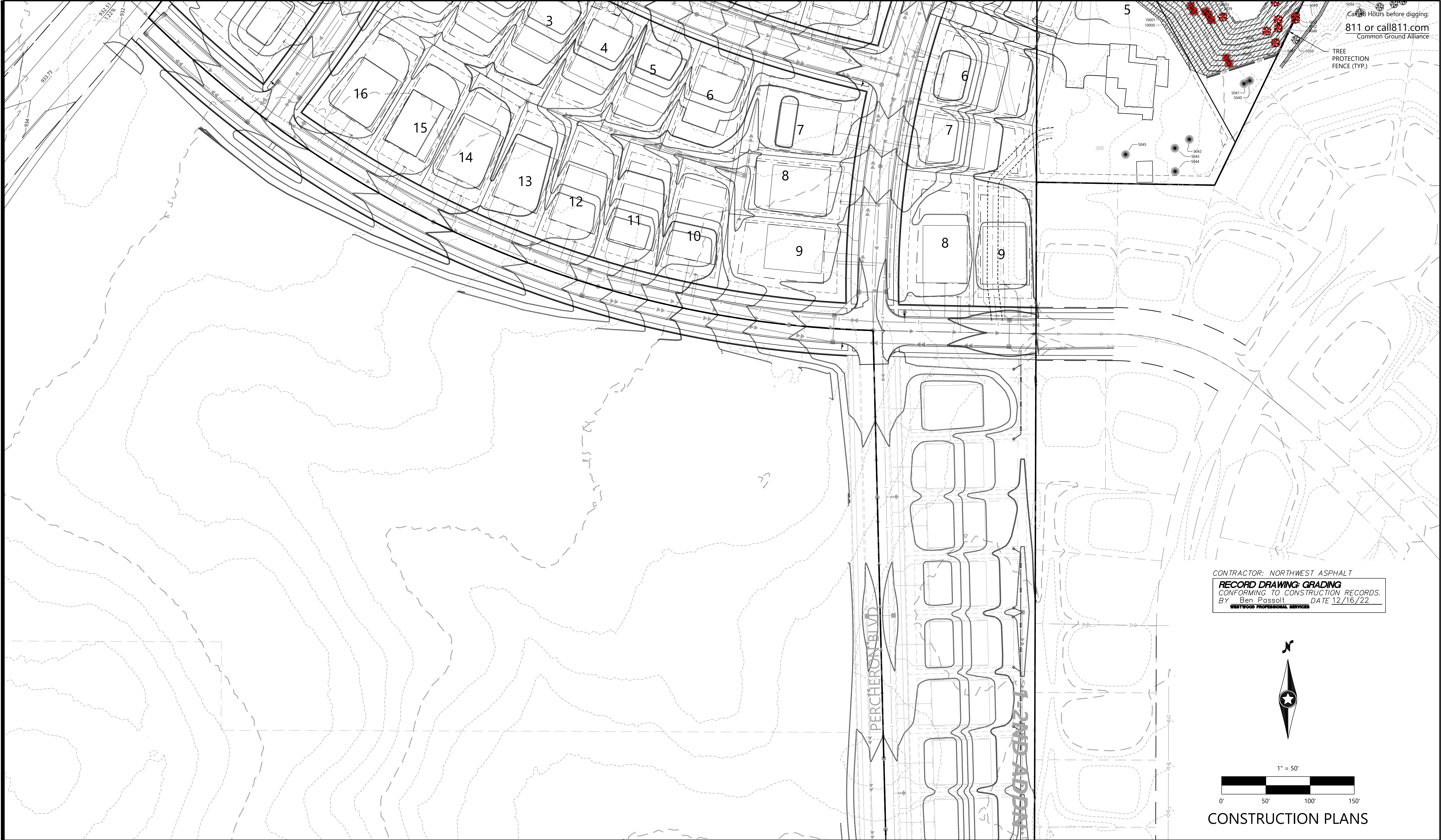
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**TREE PRESERVATION  
PLAN**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:  
**12** OF **18**  
DATE: 03/21/23





|                   |           |
|-------------------|-----------|
| DESIGNED:         | FDH II    |
| CHECKED:          | JHB       |
| DRAWN:            | CTY       |
| HORIZONTAL SCALE: | 50'       |
| VERTICAL SCALE:   | 10' OR 5' |

|                |                                                    |
|----------------|----------------------------------------------------|
| INITIAL ISSUE: | 04/29/22                                           |
| REVISIONS:     |                                                    |
|                | 09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT |
|                | 09/19/22 CITY COMMENTS                             |
|                | 11/15/22 REVISED PHASE 2 GRADING                   |
|                | 12/16/22 RECORD PLAN                               |
|                | 03/21/23 REVISED PER 2ND ADD PLAT                  |

|                                    |  |
|------------------------------------|--|
| PREPARED FOR:                      |  |
| <b>DR HORTON, INC. - MINNESOTA</b> |  |
| 20860 KENBRIDGE COURT, SUITE 100   |  |
| LAKEVILLE, MINNESOTA 55044         |  |

|                                                                                                                                                                               |                   |
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| CORY MEYER                                                                                                                                                                    |                   |
| DATE: 03/21/23                                                                                                                                                                | LICENSE NO. 26971 |

RIVERTOWN HEIGHTS  
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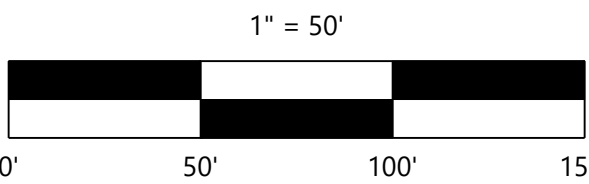
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|----------------------------|-----------------------------------------|
| TREE PRESERVATION<br>PLAN  | SHEET NUMBER:<br><b>13</b> OF <b>18</b> |
| PROJECT NUMBER: 0027067.00 | DATE: 03/21/23                          |





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CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
By Ben Posselt DATE 12/16/22  
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CONSTRUCTION PLANS

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CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

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PREPARED FOR:  
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20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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CORY MEYER  
DATE: 03/21/23 LICENSE NO. 26971

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**TREE PRESERVATION  
PLAN**

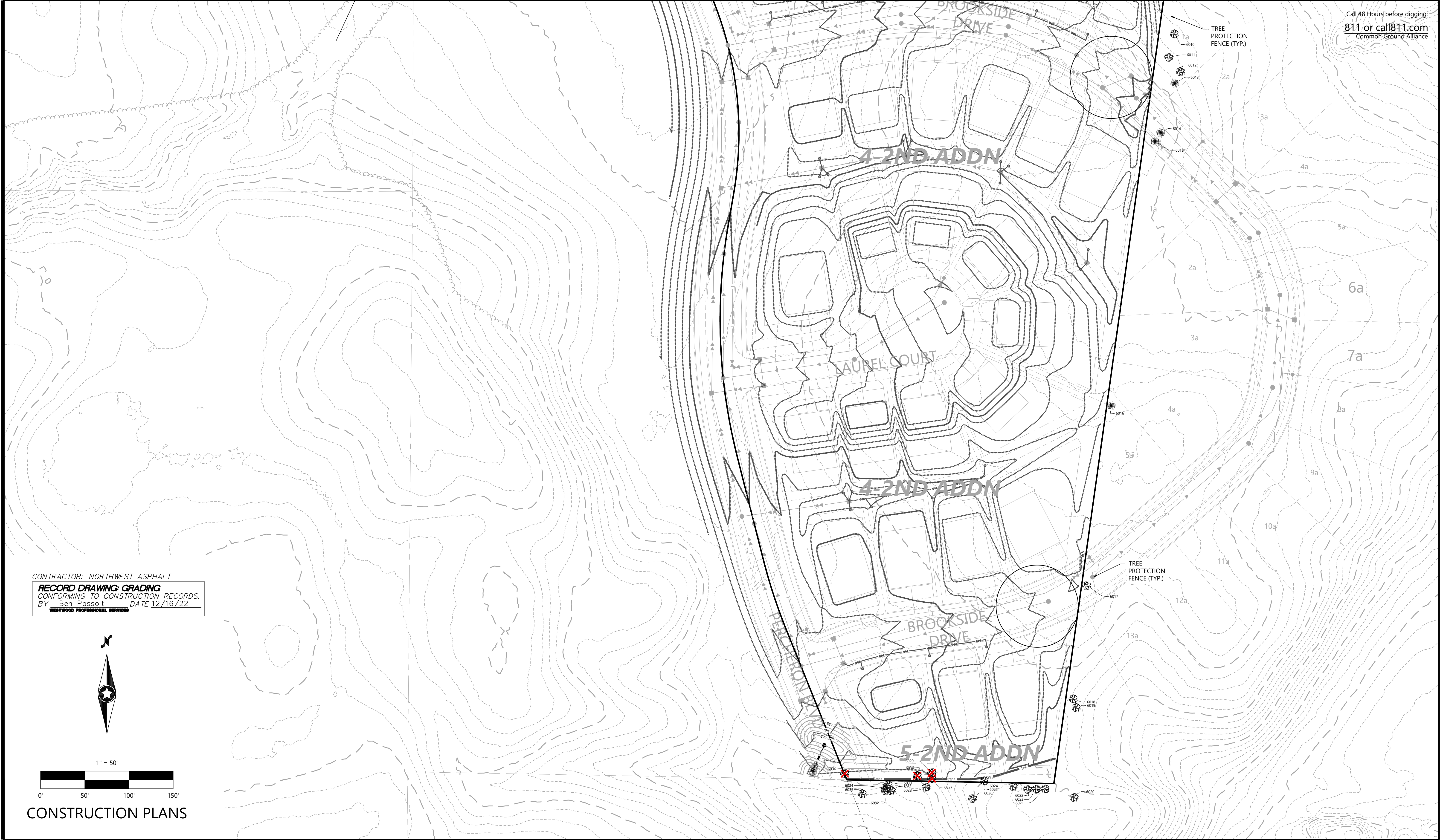
PROJECT NUMBER: 0027067.00

SHEET NUMBER:

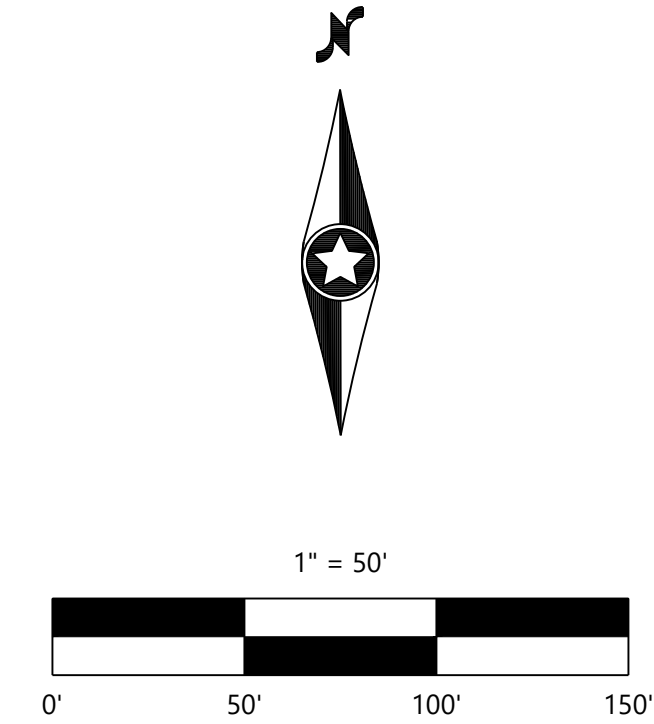
14 OF 18

DATE: 03/21/23





CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY: Ben Possolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



CONSTRUCTION PLANS

|                   |           |
|-------------------|-----------|
| DESIGNED:         | FDH II    |
| CHECKED:          | JHB       |
| DRAWN:            | CTY       |
| HORIZONTAL SCALE: | 50'       |
| VERTICAL SCALE:   | 10' OR 5' |

|                |                                                    |
|----------------|----------------------------------------------------|
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|                | 12/16/22 RECORD PLAN                               |
|                | 03/21/23 REVISED PER 2ND ADD PLAT                  |

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**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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TREE PRESERVATION  
PLAN

PROJECT NUMBER: 0027067.00

SHEET NUMBER:  
**15** OF **18**  
DATE: 03/21/23



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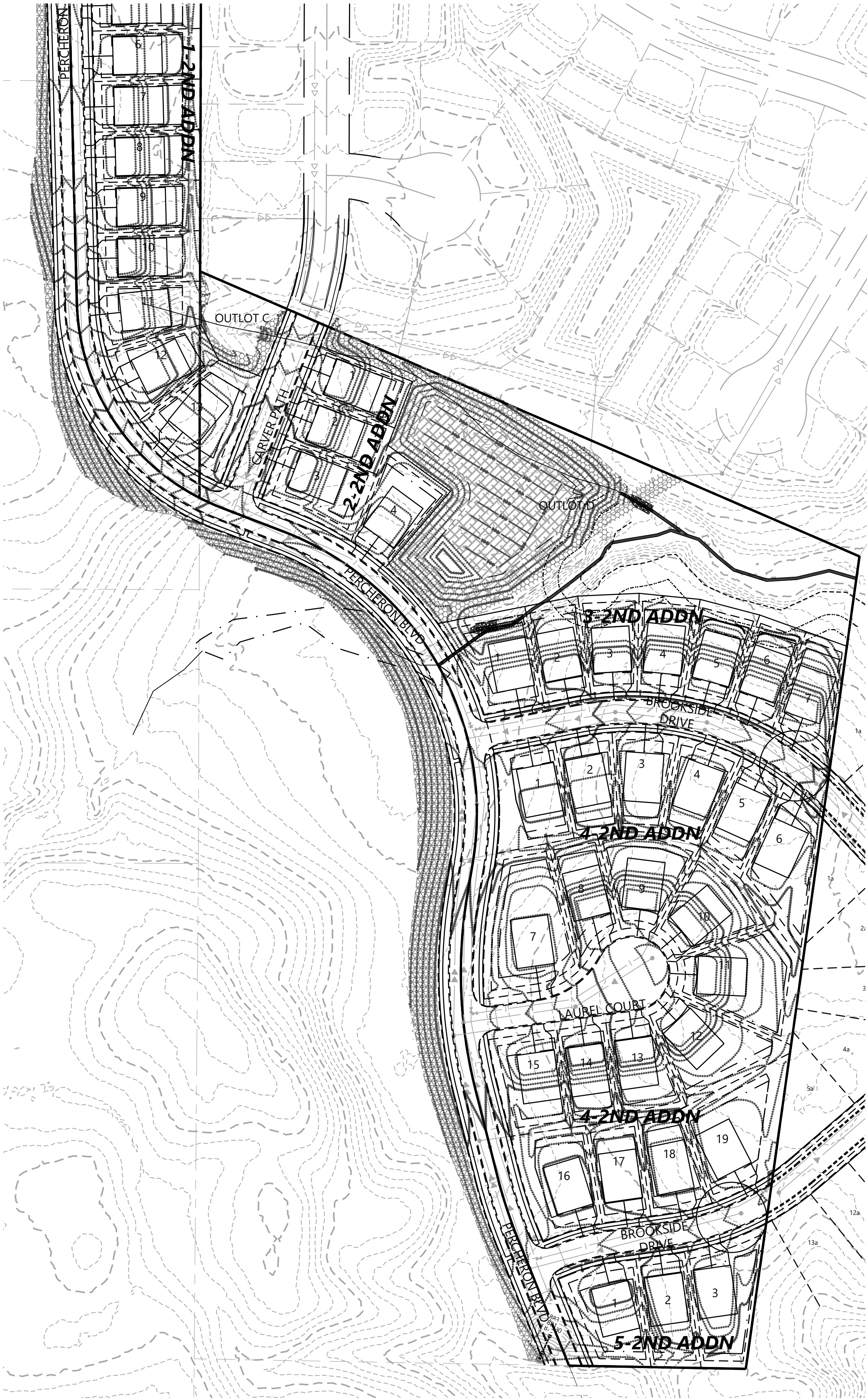
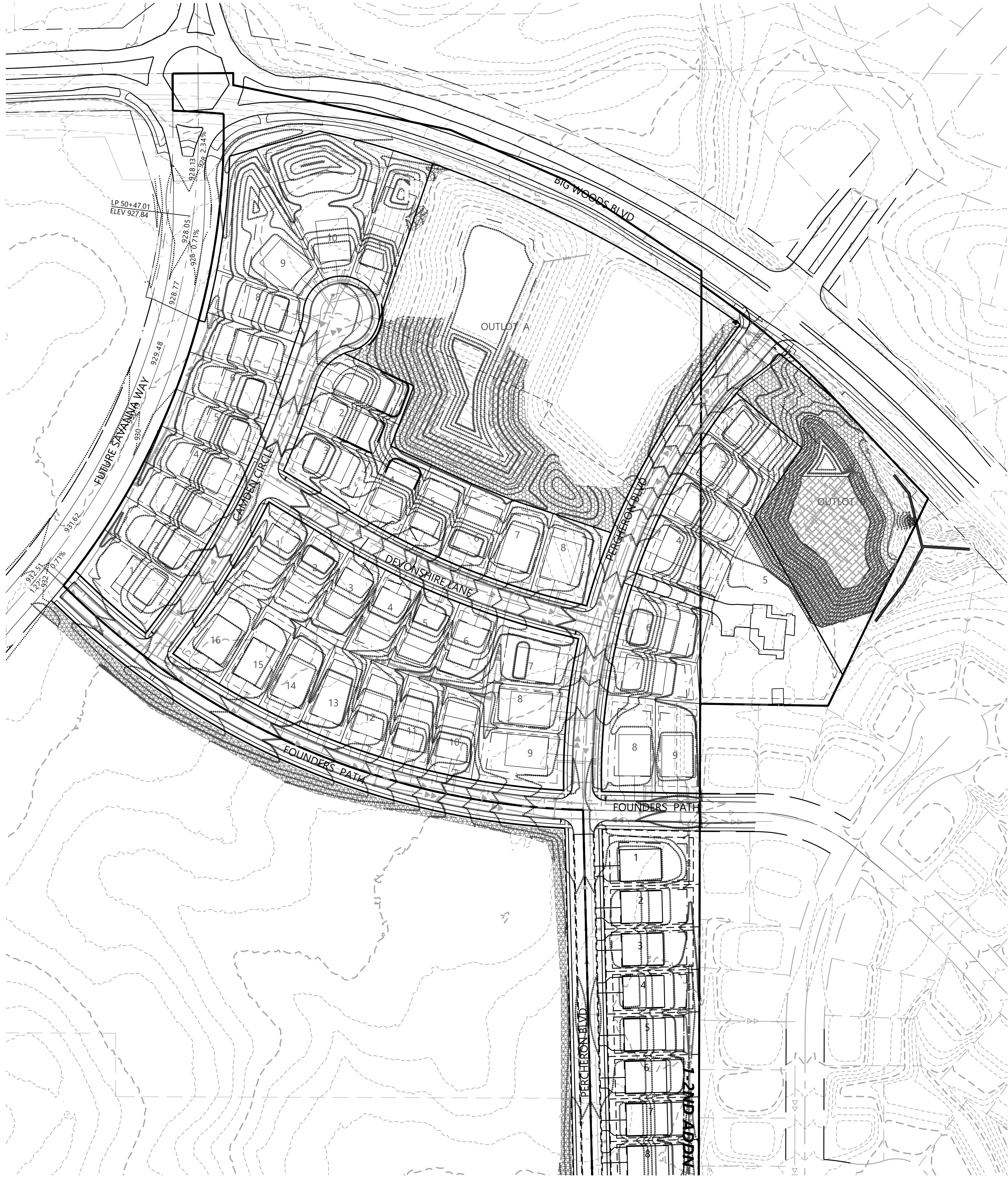
| TREE TAG | SPECIES               | SIZE (DBH) | MULTI | NOTES       | TREE TYPE  | STATUS                  |
|----------|-----------------------|------------|-------|-------------|------------|-------------------------|
| 5001     | Colorado Spruce       | 10         |       |             | Coniferous | Removed                 |
| 5002     | Eastern Red Cedar     | 14         |       |             | Coniferous | Removed                 |
| 5003     | Colorado Spruce       | 9          |       |             | Coniferous | Removed                 |
| 5004     | Boxelder              | 22         |       |             | Deciduous  | Removed                 |
| 5005     | Green and White Ash   | 17         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5006     | Colorado Spruce       | 8          |       |             | Coniferous | Removed                 |
| 5007     | Colorado Spruce       | 12         |       |             | Coniferous | Removed                 |
| 5008     | Colorado Spruce       | 10         |       |             | Coniferous | Removed                 |
| 5009     | Green and White Ash   | 12         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5010     | Bur Oak               | 15         |       |             | Deciduous  | Removed                 |
| 5011     | Sugar Maple           | 12         |       |             | Deciduous  | Removed                 |
| 5012     | Green and White Ash   | 13         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5013     | Green and White Ash   | 15         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5014     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 5015     | Hackberry             | 16         |       |             | Deciduous  | Removed                 |
| 5016     | Boxelder              | 13         |       |             | Deciduous  | Removed                 |
| 5017     | Green and White Ash   | 19         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5018     | Boxelder              | 14         |       |             | Deciduous  | Removed                 |
| 5019     | Boxelder              | 15         |       |             | Deciduous  | Removed                 |
| 5020     | Black Willow          | 17         |       | bd 50% dead | Deciduous  | Removed-Exempt-bd       |
| 5021     | Boxelder              | 14         | x     | bd          | Deciduous  | Removed                 |
| 5022     | Boxelder              | 16         | x     | pd          | Deciduous  | Removed                 |
| 5023     | Boxelder              | 14         |       |             | Deciduous  | Removed                 |
| 5024     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 5025     | Boxelder              | 13         |       |             | Deciduous  | Removed                 |
| 5026     | Boxelder              | 15         |       |             | Deciduous  | Removed                 |
| 5027     | Boxelder              | 13         |       |             | Deciduous  | Removed                 |
| 5028     | Boxelder              | 17         | x     | pd          | Deciduous  | Removed                 |
| 5029     | Boxelder              | 17         |       |             | Deciduous  | Removed                 |
| 5030     | Green and White Ash   | 16         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5031     | Boxelder              | 12         |       |             | Deciduous  | Removed                 |
| 5032     | Boxelder              | 12         |       |             | Deciduous  | Removed                 |
| 5033     | Boxelder              | 16         |       | bd 25% dead | Deciduous  | Removed-Exempt-bd       |
| 5034     | Boxelder              | 22         |       |             | Deciduous  | Removed                 |
| 5035     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 5036     | Boxelder              | 12         |       |             | Deciduous  | Removed                 |
| 5037     | Boxelder              | 23         |       |             | Deciduous  | Removed                 |
| 5038     | Boxelder              | 20         |       |             | Deciduous  | Removed                 |
| 5039     | Green and White Ash   | 19         |       |             | Deciduous  | Removed-Exempt-EAB      |
| 5040     | Northern White Cedar  | 6          | x     |             | Coniferous | Saved                   |
| 5041     | Northern White Cedar  | 4          | x     | stem 4 in   | Coniferous | Saved                   |
| 5042     | Colorado Spruce       | 10         |       |             | Coniferous | Saved                   |
| 5043     | Colorado Spruce       | 10         |       |             | Coniferous | Saved                   |
| 5044     | Colorado Spruce       | 8          |       |             | Coniferous | Saved                   |
| 5045     | Colorado Spruce       | 16         |       |             | Coniferous | Saved                   |
| 5046     | Boxelder              | 13         |       |             | Deciduous  | Removed                 |
| 5047     | Boxelder              | 12         | x     |             | Deciduous  | Removed                 |
| 5048     | Boxelder              | 14         | x     |             | Deciduous  | Removed                 |
| 5049     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 5050     | Boxelder              | 17         |       |             | Deciduous  | Offsite                 |
| 5051     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 5052     | Hackberry             | 15         |       |             | Deciduous  | Removed                 |
| 5053     | Boxelder              | 20         |       |             | Deciduous  | Removed                 |
| 5054     | Boxelder              | 18         |       |             | Deciduous  | Removed                 |
| 5055     | Baswood               | 48         | x     | pd          | Deciduous  | Offsite                 |
| 5056     | Baswood               | 16         |       |             | Deciduous  | Offsite                 |
| 5057     | Boxelder              | 13         |       | bd 70% dead | Deciduous  | Offsite                 |
| 5058     | Baswood               | 16         |       |             | Deciduous  | Offsite                 |
| 5059     | American Elm          | 16         |       |             | Deciduous  | Offsite                 |
| 5060     | Siberian Elm          | 12         |       |             | Deciduous  | Removed-Exempt-Invasive |
| 5061     | Siberian Elm          | 36         |       |             | Deciduous  | Removed-Exempt-Invasive |
| 5062     | Boxelder              | 20         |       |             | Deciduous  | Removed                 |
| 5063     | Unkown Deciduous Tree | 14         |       | dd          | Deciduous  | Removed                 |
| 5064     | Black Willow          | 23         |       |             | Deciduous  | Removed                 |
| 5065     | Black Willow          | 20         |       |             | Deciduous  | Removed                 |
| 5066     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 5067     | Boxelder              | 12         |       |             | Deciduous  | Removed                 |
| 5068     | Siberian Elm          | 17         |       |             | Deciduous  | Removed-Exempt-Invasive |
| 5069     | Boxelder              | 15         |       |             | Deciduous  | Removed                 |
| 5070     | Boxelder              | 13         |       |             | Deciduous  | Removed                 |
| 5071     | Boxelder              | 12         | x     |             | Deciduous  | Removed                 |
| 5072     | Boxelder              | 20         |       |             | Deciduous  | Saved                   |
| 5073     | Hackberry             | 12         |       |             | Deciduous  | Removed                 |
| 5074     | Boxelder              | 12         |       |             | Deciduous  | Removed                 |
| 5075     | American Elm          | 12         |       |             | Deciduous  | Removed                 |

| TREE TAG | SPECIES           | SIZE (DBH) | MULTI | NOTES       | TREE TYPE | STATUS                  |
|----------|-------------------|------------|-------|-------------|-----------|-------------------------|
| 5076     | Boxelder          | 12         |       |             | Deciduous | Removed                 |
| 5077     | Boxelder          | 12         |       |             | Deciduous | Removed                 |
| 5078     | Boxelder          | 12         |       |             | Deciduous | Removed                 |
| 5079     | Boxelder          | 12         |       |             | Deciduous | Removed                 |
| 5080     | Boxelder          | 27         | x     | pd          | Deciduous | Removed                 |
| 5081     | Boxelder          | 19         | x     | s pd        | Deciduous | Offsite                 |
| 5082     | Boxelder          | 17         | x     |             | Deciduous | Removed                 |
| 5083     | Boxelder          | 24         |       |             | Deciduous | Removed                 |
| 5084     | Boxelder          | 15         | x     | pd          | Deciduous | Removed                 |
| 5085     | Boxelder          | 15         |       |             | Deciduous | Removed                 |
| 5086     | Boxelder          | 15         | x     |             | Deciduous | Removed                 |
| 5087     | Boxelder          | 15         |       | bd 40% dead | Deciduous | Removed-Exempt-bd       |
| 5088     | Boxelder          | 14         | x     |             | Deciduous | Removed                 |
| 5089     | Boxelder          | 14         | x     |             | Deciduous | Removed                 |
| 5090     | Cottonwood        | 19         |       |             | Deciduous | Removed                 |
| 5091     | Boxelder          | 14         |       |             | Deciduous | Removed                 |
| 5092     | Boxelder          | 12         |       | pd 60% dead | Deciduous | Removed-Exempt-pd       |
| 5093     | Boxelder          | 16         | x     |             | Deciduous | Saved                   |
| 5094     | Black Walnut      | 16         | x     |             | Deciduous | Saved                   |
| 5095     | Siberian Elm      | 13         |       |             | Deciduous | Removed-Exempt-Invasive |
| 5096     | Boxelder          | 14         |       |             | Deciduous | Removed                 |
| 5097     | Bitternut Hickory | 13         |       |             | Deciduous | Saved                   |
| 5098     | Boxelder          | 14         | x     |             | Deciduous | Removed                 |
| 5099     | Baswood           | 22         | x     |             | Deciduous | Removed                 |
| 5100     | Boxelder          | 17         |       | pd 15% dead | Deciduous | Removed-Exempt-pd       |
| 5101     | Boxelder          | 13         |       |             | Deciduous | Saved                   |
| 5102     | Baswood           | 12         | x     |             | Deciduous | Saved                   |
| 5103     | Baswood           | 15         |       |             | Deciduous | Saved                   |
| 5104     | boxelder          | 12         |       |             | Deciduous | Saved                   |
| 5105     | boxelder          | 13         | x     | pd          | Deciduous | Saved                   |
| 5106     | Boxelder          | 14         |       |             | Deciduous | Saved                   |
| 5107     | Boxelder          | 13         |       |             | Deciduous | Saved                   |
| 5108     | Bitternut Hickory | 15         |       |             | Deciduous | Removed                 |
| 5109     | American Elm      | 23         |       | dd          | Deciduous | Removed                 |
| 5110     | Boxelder          | 14         |       |             | Deciduous | Saved                   |
| 5111     | Boxelder          | 12         | x     |             | Deciduous | Removed                 |
| 5112     | Boxelder          | 16         |       | bd 40% dead | Deciduous | Removed-Exempt-bd       |
| 5113     | Black Willow      | 14         | x     |             | Deciduous | Removed                 |
| 5114     | Baswood           | 22         | x     |             | Deciduous | Removed                 |
| 5115     | Baswood           | 12         | x     |             | Deciduous | Saved                   |
| 5116     | Baswood           | 12         |       |             | Deciduous | Saved                   |
| 5117     | Baswood           | 16         | x     |             | Deciduous | Saved                   |
| 5118     | Siberian Elm      | 13         |       |             | Deciduous | Saved-Exempt-Invasive   |
| 5119     | Baswood           | 20         | x     |             | Deciduous | Saved                   |
| 5120     | Baswood           | 12         |       |             | Deciduous | Saved                   |
| 5121     | Baswood           | 14         | x     |             | Deciduous | Saved                   |
| 5122     | Baswood           | 17         | x     |             | Deciduous | Saved                   |
| 5123     | Baswood           | 13         | x     |             | Deciduous | Saved                   |
| 5124     | Baswood           | 12         |       |             | Deciduous | Saved                   |
| 5125     | Sugar Maple       | 17         | x     | bd          | Deciduous | Saved                   |
| 5126     | Boxelder          | 14         |       |             | Deciduous | Saved                   |
| 5127     | Baswood           | 14         | x     |             | Deciduous | Saved                   |
| 5128     | Boxelder          | 14         |       | bd 70% dead | Deciduous | Saved-Exempt-bd         |
| 5129     | Boxelder          | 22         | x     |             | Deciduous | Saved                   |
| 5130     | Baswood           | 20         | x     |             | Deciduous | Saved                   |
| 5131     | Hackberry         | 15         |       |             | Deciduous | Saved                   |
| 5132     | boxelder          | 12         | x     |             | Deciduous | Saved                   |
| 5133     | Black Walnut      | 14         |       |             | Deciduous | Saved                   |
| 5134     | Bur Oak           | 16         |       |             | Deciduous | Saved                   |
| 5135     | Hackberry         | 12         | x     |             | Deciduous | Saved                   |
| 5136     | Baswood           | 28         | x     |             | Deciduous | Saved                   |
| 5137     | Boxelder          | 12         | x     |             | Deciduous | Saved                   |
| 5138     | Boxelder          | 12         | x     |             | Deciduous | Saved                   |
| 5139     | Boxelder          | 15         |       |             | Deciduous | Saved                   |
| 6001     | Boxelder          | 14         |       |             | Deciduous | Saved                   |
| 6002     | Boxelder          | 19         |       |             | Deciduous | Saved                   |
| 6003     | Boxelder          | 13         |       |             | Deciduous | Saved                   |
| 6004     | Boxelder          | 15         |       |             | Deciduous | Offsite                 |
| 6005     | Boxelder          | 14         |       |             | Deciduous | Offsite                 |
| 6006     | boxelder          | 12         | x     |             | Deciduous | Saved                   |
| 6007     | Boxelder          | 12         |       |             | Deciduous | Offsite                 |
| 6008     | Boxelder          | 14         |       |             | Deciduous | Offsite                 |
| 6009     | Hackberry         | 14         |       |             | Deciduous | Offsite                 |
| 6010     | Boxelder          | 16         |       |             | Deciduous | Offsite                 |
| 6011     | Boxelder          | 15         |       |             | Deciduous | Offsite                 |

| TREE TAG | SPECIES               | SIZE (DBH) | MULTI | NOTES       | TREE TYPE  | STATUS                  |
|----------|-----------------------|------------|-------|-------------|------------|-------------------------|
| 6012     | Boxelder              | 14         |       |             | Deciduous  | Offsite                 |
| 6013     | Eastern Red Cedar     | 3          |       |             | Coniferous | Offsite                 |
| 6014     | Eastern Red Cedar     | 4          |       |             | Coniferous | Offsite                 |
| 6015     | Eastern Red Cedar     | 5          |       |             | Coniferous | Offsite                 |
| 6016     | Eastern Red Cedar     | 7          |       |             | Coniferous | Offsite                 |
| 6017     | Boxelder              | 14         |       | pd 50% dead | Deciduous  | Offsite                 |
| 6018     | Siberian Elm          | 34         |       |             | Deciduous  | Offsite                 |
| 6019     | Siberian Elm          | 22         |       |             | Deciduous  | Offsite                 |
| 6020     | Red Oak               | 21         |       |             | Deciduous  | Offsite                 |
| 6021     | Baswood               | 19         |       |             | Deciduous  | Offsite                 |
| 6022     | Sugar Maple           | 12         |       |             | Deciduous  | Offsite                 |
| 6023     | Red Oak               | 15         |       |             | Deciduous  | Offsite                 |
| 6024     | Siberian Elm          | 15         | x     |             | Deciduous  | Offsite                 |
| 6025     | Bur Oak               | 18         |       |             | Deciduous  | Saved                   |
| 6026     | American Elm          | 14         |       |             | Deciduous  | Offsite                 |
| 6027     | American Elm          | 15         |       |             | Deciduous  | Removed                 |
| 6028     | Slippery Elm          | 12         |       |             | Deciduous  | Offsite                 |
| 6029     | American Elm          | 16         |       |             | Deciduous  | Removed                 |
| 6030     | American Elm          | 12         |       |             | Deciduous  | Removed                 |
| 6031     | Bur Oak               | 27         |       |             | Deciduous  | Offsite                 |
| 6032     | Boxelder              | 12         |       |             | Deciduous  | Offsite                 |
| 6033     | Boxelder              | 22         |       |             | Deciduous  | Offsite                 |
| 6034     | American Elm          | 16         |       | dd          | Deciduous  | Offsite                 |
| 6035     | Sugar Maple           | 17         |       |             | Deciduous  | Offsite                 |
| 6036     | Baswood               | 32         |       |             | Deciduous  | Removed                 |
| 6037     | Boxelder              | 12         |       | pd 50% dead | Deciduous  | Saved-Exempt-pd         |
| 6038     | Boxelder              | 15         |       |             | Deciduous  | Saved                   |
| 6039     | Boxelder              | 15         | x     | pd          | Deciduous  | Saved                   |
| 6040     | Unkown Deciduous Tree | 18         |       | dd          | Deciduous  | Saved                   |
| 6041     | Siberian Elm          | 18         |       |             | Deciduous  | Saved-Exempt-Invasive   |
| 6042     | Boxelder              | 12         |       |             | Deciduous  | Removed                 |
| 6043     | American Elm          | 18         |       | pd 20% dead | Deciduous  | Removed-Exempt-pd       |
| 6044     | American Elm          | 12         |       |             | Deciduous  | Removed                 |
| 6045     | Siberian Elm          | 22         |       | bd 25%      | Deciduous  | Removed-Exempt-Invasive |
| 6046     | Boxelder              | 16         |       |             | Deciduous  | Removed                 |
| 6047     | Boxelder              | 14         | x     | pd          | Deciduous  | Removed                 |
| 6048     | Boxelder              | 14         | x     |             | Deciduous  | Removed                 |
| 6049     | Boxelder              | 18         |       | pd 20% dead | Deciduous  | Removed-Exempt-pd       |
| 6050     | Silver Maple          | 14         | x     |             | Deciduous  | Removed                 |
| 6051     | Cottonwood            | 13         |       |             | Deciduous  | Removed                 |
| 6052     | Boxelder              | 13         | x     |             | Deciduous  | Removed                 |
| 6053     | Boxelder              | 22         | x     |             | Deciduous  | Removed                 |
| 6054     | Boxelder              | 12         | x     |             | Deciduous  | Removed                 |
| 6055     | Boxelder              | 18         |       |             | Deciduous  | Removed                 |
| 6056     | Cottonwood            | 33         |       |             | Deciduous  | Removed                 |
| 6057     | Boxelder              | 14         |       | bd 40% dead | Deciduous  | Removed-Exempt-bd       |
| 6058     | Boxelder              | 13         |       |             | Deciduous  | Saved                   |
| 6059     | Boxelder              | 13         |       |             | Deciduous  | Saved                   |
| 6060     | Boxelder              | 18         |       |             | Deciduous  | Saved                   |
| 6061     | Boxelder              | 13         |       |             | Deciduous  | Removed                 |
| 6062     | Siberian Elm          | 14         |       |             | Deciduous  | Removed-Exempt-Invasive |
| 6063     | Siberian Elm          | 14         | x     |             | Deciduous  | Saved-Exempt-Invasive   |
| 6064     | Boxelder              | 15         |       |             | Deciduous  | Saved                   |
| 6065     | Boxelder              | 15         | x     | pd          | Deciduous  | Saved                   |
| 6066     | Boxelder              | 14         | x     |             | Deciduous  | Saved                   |
| 6067     | Siberian Elm          | 16         |       |             | Deciduous  | Saved-Exempt-Invasive   |
| 6068     | Boxelder              | 13         | x     |             | Deciduous  | Saved                   |
| 6069     | Boxelder              | 13         |       |             | Deciduous  | Saved                   |
| 6070     | Boxelder              | 12         |       |             | Deciduous  | Saved                   |
| 6071     | Boxelder              | 12         |       |             | Deciduous  | Saved                   |
| 6072     | Boxelder              | 13         |       |             | Deciduous  | Saved                   |
| 6073     | Boxelder              | 13         |       |             | Deciduous  | Saved                   |
| 6074     | American Elm          | 13         |       |             | Deciduous  | Saved                   |
| 6075     | American Elm          | 14         |       |             | Deciduous  | Saved                   |
| 6076     | Boxelder              | 15         |       |             | Deciduous  | Saved                   |
| 6077     | Boxelder              | 16         |       |             | Deciduous  | Saved                   |
| 6078     | Boxelder              | 14         |       |             | Deciduous  | Saved                   |
| 6079     | Boxelder              | 12         |       |             | Deciduous  | Saved                   |
| 6080     | American Elm          | 19         |       |             | Deciduous  | Saved                   |
| 6081     | Boxelder              | 12         |       |             | Deciduous  | Saved                   |
| 6082     | Boxelder              | 12         |       |             | Deciduous  | Saved                   |
| 6083     | Boxelder              | 15         |       |             | Deciduous  | Offsite                 |
| 6084     | Boxelder              | 12         |       |             | Deciduous  | Offsite                 |
| 6085     | Boxelder              | 23         |       |             | Deciduous  | Offsite                 |
| 6086     | Boxelder              | 16         |       | bd 80% dead | Deciduous  | Offsite                 |

| TREE TAG | SPECIES    | SIZE (DBH) | MULTI | NOTES             | TREE TYPE  | STATUS  |
|----------|------------|------------|-------|-------------------|------------|---------|
| 6087     | Boxelder   | 14         |       | pd 70% dead       | Deciduous  | Offsite |
| 6088     | Boxelder   | 16         |       |                   | Deciduous  | Offsite |
| 6089     | Boxelder   | 20         |       | pd 75% dead       | Deciduous  | Offsite |
| 6090     | Boxelder   | 17         |       |                   | Deciduous  | Offsite |
| 6091     | Boxelder   | 22         |       |                   | Deciduous  | Offsite |
| 10000    | Arborvitae | 2          | x     | arbo-16 Stems     | Coniferous | Removed |
| 10001    | Arborvitae | 2          | x     | arbo-12 Stems     | Coniferous | Removed |
| 10002    | Arborvitae | 4          | x     | arbo              | Coniferous | Removed |
| 10003    | Arborvitae | 3          | x     | arbo              | Coniferous | Removed |
| 10004    | Arborvitae | 6          | x     | arbo              | Coniferous | Removed |
| 10005    | Arborvitae | 3          | x     | arbo              | Coniferous | Removed |
| 10006    | Arborvitae | 3          | x     | arbo-4Stem 2inbnd | Coniferous | Removed |



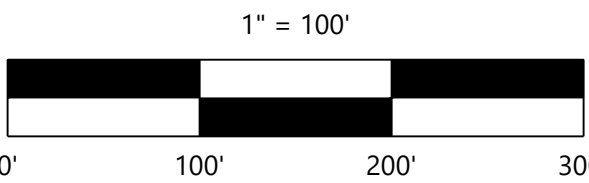


### Native Seeding Legend

- WET MEADOWS S & W SEED MIX (34-271) TOTAL AREA (0.5 AC)
- STORMWATER NATIVE SEED MIX (33-261) TOTAL AREA (1.3 AC)
- MESIC PRAIRIE GENERAL SEED MIX (35-241) TOTAL AREA (2.0 AC)
- GENERAL ROADSIDE SEED MIX (25-141) TOTAL AREA (2.0 AC)

\* ALL DISTURBED AREAS TO BE SODDED UNLESS NOTED OTHERWISE  
\* DISTURBANCE IN COUNTY R.O.W. SHOULD BE RESEEDED WITH LOW MAINTENANCE TURF.

CONTRACTOR: NORTHWEST ASPHALT  
**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
By Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES



### CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 100'  
VERTICAL SCALE: 20' OR 10'

INITIAL ISSUE: 04/29/22  
REVISIONS:  
09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
09/19/22 CITY COMMENTS  
11/15/22 REVISED PHASE 2 GRADING  
12/16/22 RECORD PLAN  
03/21/23 REVISED PER 2ND ADD PLAT

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

I HEREBY CERTIFY THAT THIS PLAN 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  
CORY MEYER  
DATE: 03/21/23 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**  
CHASKA, MN

**Westwood**

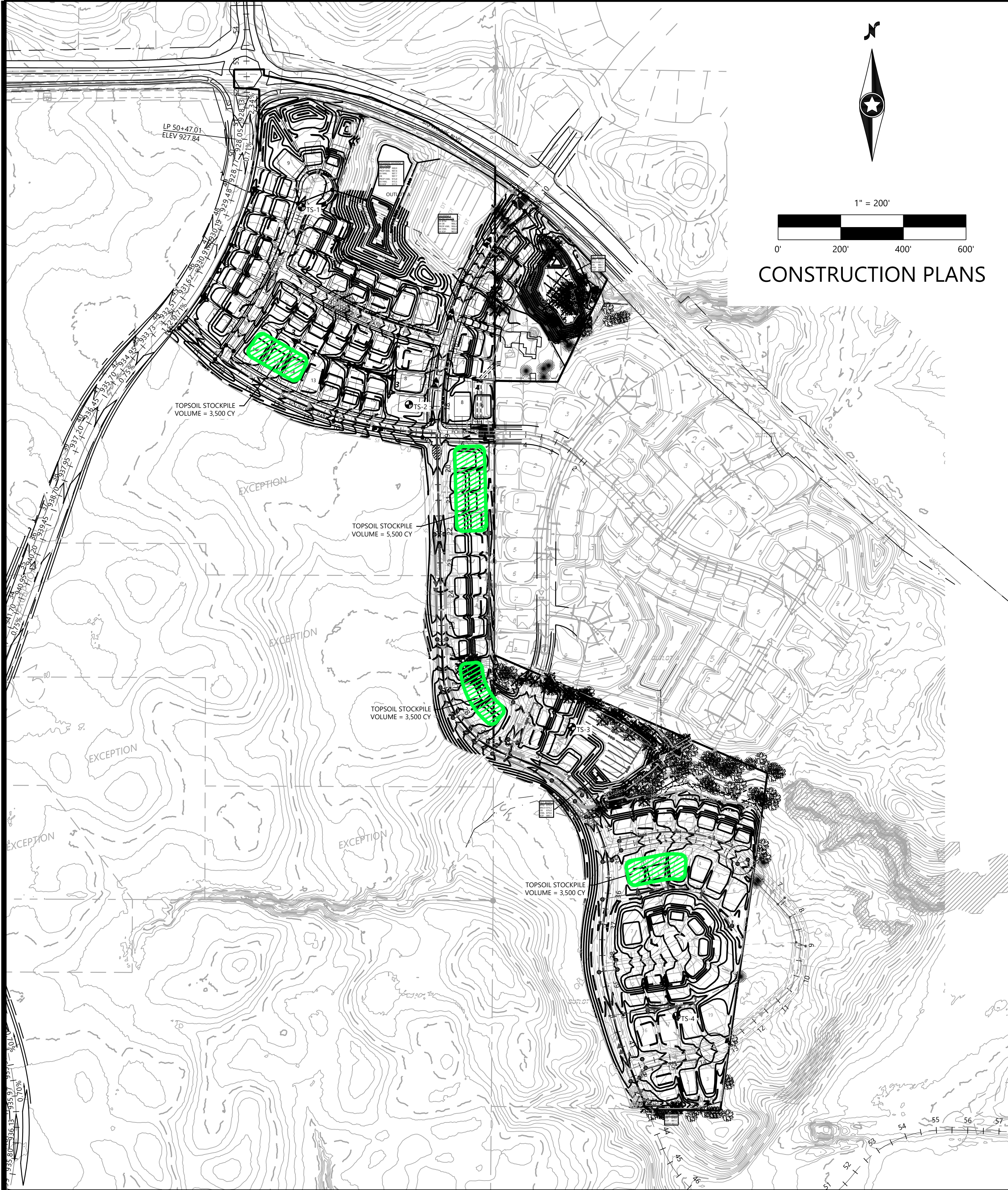
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

SEEDING PLAN

PROJECT NUMBER: 0027067.00

SHEET NUMBER:  
17 OF 18  
DATE: 03/21/23





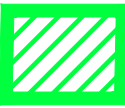
CONSTRUCTION PLANS

Call 48 Hours before digging:

811 or call811.com  
Common Ground Alliance

TOPSOIL NOTES

- EXISTING ONSITE TOPSOIL WILL BE USED FOR RESPREAD. TESTING WILL BE COMPLETED IN ORDER TO ASSESS WHETHER SOIL AMENDMENT WILL BE NECESSARY.
- FOR TOPSOIL STRIPPING AND STOCKPILING
  - EXISTING TOPSOIL AVAILABLE ONSITE: 62,000 CY
  - TOPSOIL NEEDED TO RESTORE GREEN SPACES: 16,000 CY
  - TOTAL LOT AREA: 20.0 AC
  - EXISTING 1.0 FOOT OF AVERAGE DEPTH OF TOPSOIL AVAILABLE ONSITE
  - GRADING EQUIPMENT USED TO STRIP TOPSOILS SUCH AS DOZERS, SCRAPERS.
  - SILT FENCE WILL BE UTILIZED FOR EROSION CONTROL OF TOPSOIL STOCKPILES.
  - TEMPORARY SEED TOPSOIL STOCKPILES FOR EROSION CONTROL FOR STOCKPILES THAT WILL REMAIN IN PLACE FOR LONGER THAN 6 MONTHS.
- STOCKPILING SAMPLING PROCEDURE
  - ONE SAMPLE SHALL BE COLLECTED PER 2,500 CUBIC YARDS OF STOCKPILE (A MINIMUM OF ONE SAMPLE SHALL BE TAKEN IF STOCKPILES ARE LESS THAN 2,500 CUBIC YARDS)
  - THE CONTRACTOR/SUPPLIER SHALL FORM A FACE FOR THE FULL HEIGHT OF THE STOCKPILE AT FOUR LOCATIONS.
  - A LOADER BUCKET OR SIMILAR EQUIPMENT SHALL THEN BE FILLED BY CHANNELING THE FULL HEIGHT OF THE STOCKPILE FACE, FROM THE BOTTOM TO THE TOP, IN ONE OPERATION.
  - THE BUCKET SHALL THEN BE LOWERED AND EMPTIED BY ROTATION TO FORM A SMALL PILE AT EACH SAMPLING LOCATION.
  - THE SAMPLER SHALL PLACE A SHOVEL FULL OF SOIL FROM EACH PILE INTO A LARGER CONTAINER. THE SOIL SHALL BE THOROUGHLY MIXED AND A SUFFICIENT AMOUNT OF MIXED TOPSOIL SHALL BE TAKEN TO FILL A STANDARD TOPSOILS SAMPLING CONTAINER.
  - SAMPLES SHALL BE SUBMITTED FOR ANALYSIS TO LAB QUALIFIED TO USE THE FOLLOWING TEST METHODS: ASTM D 422, ASTM D 2974, AND ASTM G 51. SAMPLES SHALL BE ANALYZED FOR CLAY, SILT, SAND, ORGANIC MATTER AND pH. FIELD COMPACTION TESTING SHALL ALSO BE COMPLETED. TOPSOIL SHALL MEET THE CARVER COUNTY TOPSOIL STANDARD (INCLUDED BELOW).
  - ADDITIONAL TOPSOIL SHALL NOT BE ADDED TO THE STOCKPILE AFTER SAMPLING
  - SAMPLE RESULTS SHALL BE SUBMITTED TO THE COUNTY FOR REVIEW. TEST RESULTS ARE VALID FOR 6 MONTHS.
  - IF TOPSOIL TESTING RESULTS DO NOT MEET THE MINIMUM REQUIREMENTS PER THE CARVER COUNTY WATERSHED MANAGEMENT ORGANIZATION TOPSOIL STANDARDS, THE EXISTING TOPSOIL MUST BE DE-COMPACTED TO A DEPTH OF 6 INCHES AND 2 INCHES OF COMPOST MUST BE INCORPORATED INTO IT.
  - APPROXIMATELY 5,500 CY OF COMPOST WILL BE REQUIRED IF TOPSOIL DOES NOT MEET MINIMUM REQUIREMENTS.
  - IF MINIMUM REQUIREMENTS ARE MET, NO AMENDMENTS ARE NEEDED.
- CONSTRUCTION SCHEDULE AND PHASING:
  - GRADING AND TOPSOIL STRIPPING SHOULD BEGIN IN SPRING 2021
  - GREEN SPACES SHALL HAVE 6 INCHES OF TOPSOIL IN-PLACE AFTER GRADING HAS OCCURRED.
  - TOPSOIL IS TO BE REAPPLIED TO ALL DISTURBED AREAS, WITH THE EXCEPTION OF PROPOSED STREET AREAS.
  - INDIVIDUAL LOTS WILL HAVE 1 TO 1.5 INCHES OF TOPSOIL PUT IN-PLACE DURING MASS GRADING. AFTER FINAL GRADING HAS BEEN COMPLETED AN ADDITIONAL 6 INCHES WILL BE PUT IN-PLACE.
  - SOIL DECOMPOSITION TO A SIX-INCH DEPTH SHALL TAKE PLACE PRIOR TO PLACEMENT OF TOPSOIL.
  - STOCKPILES SHALL BE SAMPLED AND TESTED PRIOR TO TOPSOIL PLACEMENT. SEE TESTING PROCEDURES ABOVE.
  - IF TOPSOIL TESTING SHOWS THAT THE SOILS DO NOT MEET SPECIFICATIONS IN TABLE 2, SOIL SHALL BE AMENDED TO BRING THEM INTO COMPLIANCE.
  - HOME BUILDING AND FINAL LOT GRADING WILL TAKE PLACE FROM SUMMER OF 2021, UNTIL SPRING OF 2022.
  - TOPSOIL QUALITY AND DEPTH MUST BE VERIFIED BY COUNTY OR CITY STAFF PRIOR TO SEEDING OR SOD.



TOPSOIL STOCKPILE



TOPSOIL SAMPLE LOCATIONS

Table 2. Proposed Topsoil Standard

|                          | Passing Percentage (%) |          | Material Type |          |          | Soil Properties |           |
|--------------------------|------------------------|----------|---------------|----------|----------|-----------------|-----------|
|                          | Sieve 3/4 in           | Sieve #4 | Clay (%)      | Silt (%) | Sand (%) | Organic (%)     | pH Range  |
| Tested Site Average      | 100                    | 99       | 29            | 31       | 39       | 4.1             | 6.9       |
| Tested Site Range        | 100                    | 97 – 99  | 26 – 33       | 26 – 36  | 33 – 46  | 3.3 – 4.7       | 6.6 – 7.2 |
| Current County Standards | 100                    | 85 – 100 | 5 – 30        | 5 – 35   | 38 – 75  | 3 – 15          | 6.1 – 7.5 |
| Proposed Site Standard   | 100                    | 85 – 100 | 5 – 33        | 5 – 36   | 33 – 75  | 3 – 15          | 6.1 – 7.5 |

\*REFER TO BRAUN INTERTEC TOPSOIL MANAGEMENT EVALUATION DATED MAY 24, 2022 FOR MORE DETAILS

CONTRACTOR: NORTHWEST ASPHALT

**RECORD DRAWING: GRADING**  
CONFORMING TO CONSTRUCTION RECORDS.  
BY Ben Passolt DATE 12/16/22  
WESTWOOD PROFESSIONAL SERVICES

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 200'  
VERTICAL SCALE: 40' OR 20'

INITIAL ISSUE: 04/29/22  
REVISIONS:  
09/09/22 REVISED PERCHERON BLVD VERTICAL ALIGNMENT  
09/19/22 CITY COMMENTS  
11/15/22 REVISED PHASE 2 GRADING  
12/16/22 RECORD PLAN  
03/21/23 REVISED PER 2ND ADD PLAT

PREPARED FOR:

DR HORTON, INC. - MINNESOTA

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
DATE: 03/21/23 LICENSE NO. 43358

RIVERTOWN HEIGHTS

CHASKA, MN

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

TOPSOIL MANAGEMENT  
PLAN

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

18 OF 18

DATE: 03/21/23



# CONSTRUCTION PLANS

FOR

# SANITARY SEWER, WATERMAIN, STORM SEWER, AND STREETS

FOR

# RIVERTOWN HEIGHTS 2ND ADDITION

CHASKA, MN

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044  
CONTACT: MIKE SUEL  
PHONE: 952-985-7823  
EMAIL: MSUEL@DRHORTON.COM

PREPARED BY:

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300

Fax (952) 937-5822 Minnetonka, MN 55343

Toll Free (888) 937-5150 [westwoodps.com](http://westwoodps.com)

Westwood Professional Services, Inc.

PROJECT NUMBER: 0027067.02  
CONTACT: JOHN H. BENDER



Vicinity Map  
(NOT TO SCALE)

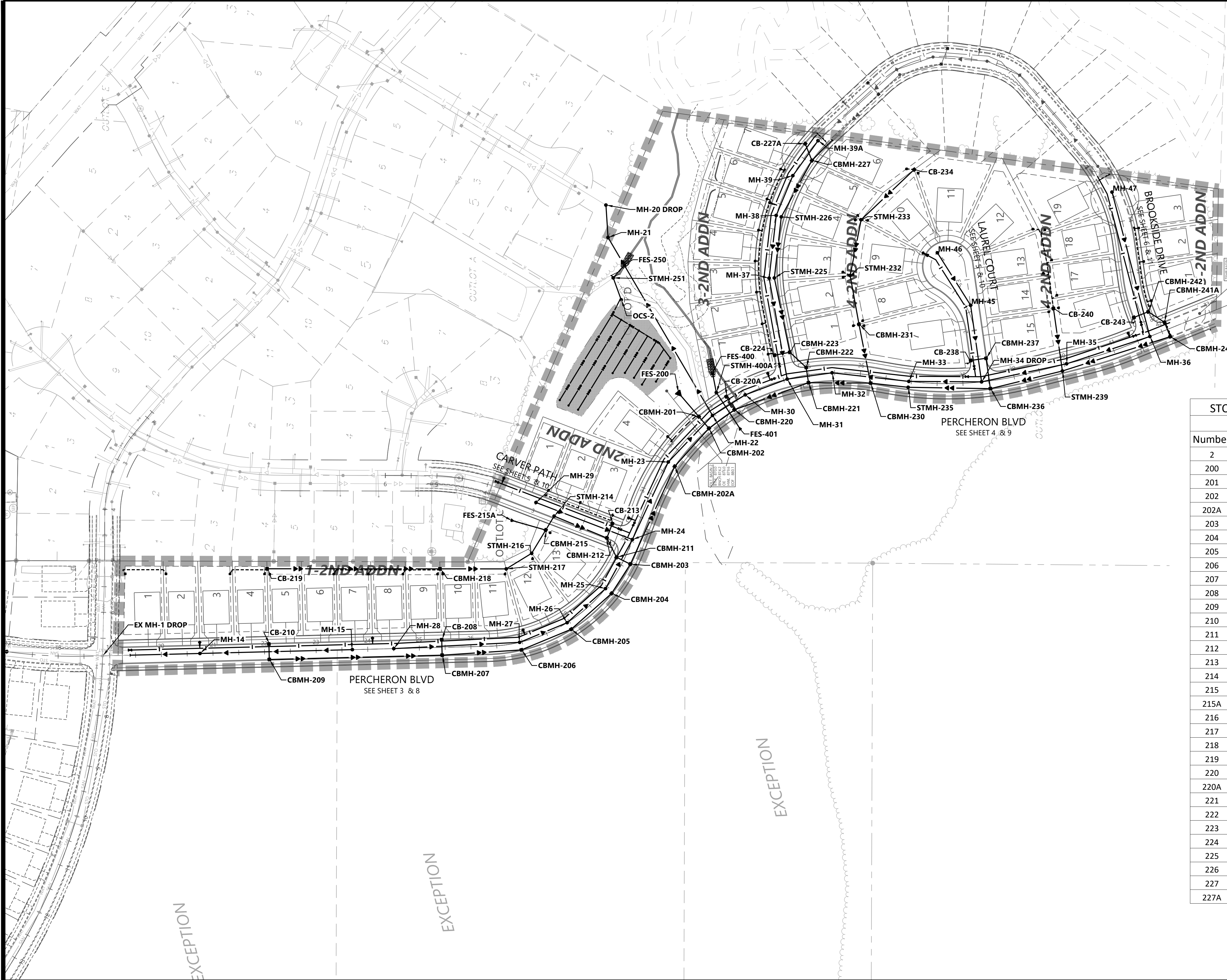
SHEET INDEX

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| SHEET NUMBER     | SHEET TITLE                                     |
| 1                | Cover                                           |
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| 6                | Sanitary Sewer and Watermain Construction Plans |
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| NO. | DATE | REVISION | SHEETS |
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| -   | -    | -        | -      |
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CONSTRUCTION PLANS  
FOR  
SANITARY SEWER, WATERMAIN, STORM SEWER, AND STREETS  
FOR  
RIVERTOWN HEIGHTS 2ND ADDITION  
CHASKA, MN  
INITIAL SUBMITTAL DATE: 03/21/23 SHEET: 1 OF 22





OVERALL UTILITY LEGEND

| EXISTING | PROPOSED | FUTURE |                |
|----------|----------|--------|----------------|
| SAN      |          |        | SANITARY SEWER |
| DT       |          |        | STORM SEWER    |
| WAT      |          |        | DRAIN TILE     |
| WAT      |          |        | WATER MAIN     |
|          |          |        | HYDRANT        |

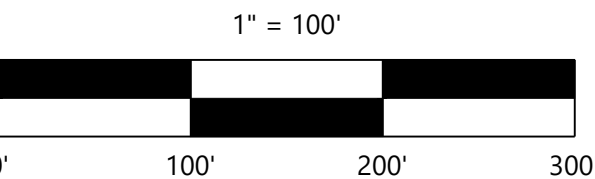
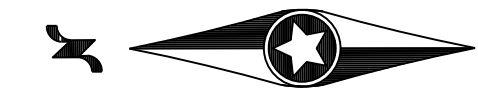
GENERAL UTILITY NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OF ANY DIFFERENCES.
2. UNLESS OTHERWISE NOTED, ALL MATERIALS, CONST. TECHNIQUES AND TESTING SHALL CONFORM TO THE 2013 ED. OF THE "STANDARD UTILITIES SPECIFICATIONS FOR WATER MAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION BY THE CITY ENGINEERING ASSOCIATION OF MINN." AND TO THE "STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION" MINN. DEPT. OF TRANS., AUGUST 31, 2016 INCLUDING THE CURRENT ADDENDUM. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW ALL PROCEDURES AS OUTLINED BY THE LOCAL AGENCY.
3. THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMITS FOR ALL WORK OUTSIDE OF THE PROPERTY LIMITS.
4. VERIFY EXISTING INVERT LOCATION & ELEVATION PRIOR TO BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR FOR UTILITY LOCATIONS PRIOR TO UTILITY INSTALLATION.

STORM SEWER CASTING SCHEDULE

| Number | Structure |        | Casting Type |
|--------|-----------|--------|--------------|
|        | Type      | Dia.   |              |
| 2      | OCS       | 60"    | SEE DETAIL   |
| 200    | FES       | 36"    | -            |
| 201    | CBMH      | 60"    | R-3067-VB    |
| 202    | CBMH      | 72"    | R-3067-VB    |
| 202A   | CBMH      | 48"    | R-3067-V     |
| 203    | CBMH      | 48"    | R-3067-V     |
| 204    | CBMH      | 48"    | R-3067-V     |
| 205    | CBMH      | 48"    | R-3067-V     |
| 206    | CBMH      | 48"    | R-3067-V     |
| 207    | CBMH      | 48"    | R-3067-V     |
| 208    | CB        | 2'x 3' | R-3067-V     |
| 209    | CBMH      | 48"    | R-3067-VB    |
| 210    | CB        | 2'x 3' | R-3067-VB    |
| 211    | CBMH      | 48"    | R-3067-V     |
| 212    | CBMH      | 48"    | R-3067-VB    |
| 213    | CB        | 2'x 3' | R-3067-VB    |
| 214    | STMH      | 48"    | R-1642B      |
| 215    | CBMH      | 48"    | R-4342       |
| 215A   | FES       | 12"    | -            |
| 216    | STMH      | 48"    | R-1642B      |
| 217    | STMH      | 48"    | R-1642B      |
| 218    | CBMH      | 48"    | R-4342       |
| 219    | CB        | 27"    | R-4342       |
| 220    | CBMH      | 60"    | R-3067-V     |
| 220A   | CB        | 2'x 3' | R-3067-V     |
| 221    | CBMH      | 60"    | R-3067-V     |
| 222    | CBMH      | 48"    | R-3067-V     |
| 223    | CBMH      | 48"    | R-3067-VB    |
| 224    | CB        | 2'x 3' | R-3067-VB    |
| 225    | STMH      | 48"    | R-1642B      |
| 226    | STMH      | 48"    | R-1642B      |
| 227    | CBMH      | 48"    | R-3501-R     |
| 227A   | CB        | 2'x 3' | R-3501-R     |

|      |      |        |           |
|------|------|--------|-----------|
| 230  | CBMH | 48"    | R-3067-V  |
| 231  | CBMH | 48"    | R-4342    |
| 232  | STMH | 48"    | R-1642B   |
| 233  | STMH | 48"    | R-1642B   |
| 234  | CB   | 27"    | R-4342    |
| 235  | STMH | 48"    | R-1642B   |
| 236  | CBMH | 48"    | R-3067-V  |
| 237  | CBMH | 48"    | R-3067-V  |
| 238  | CB   | 2'x 3' | R-3067-V  |
| 239  | STMH | 48"    | R-1642B   |
| 240  | CB   | 27"    | R-4342    |
| 241  | CBMH | 48"    | R-3067-V  |
| 241A | CBMH | 48"    | R-3067-V  |
| 242  | CBMH | 48"    | R-3067-VB |
| 243  | CB   | 2'x 3' | R-3067-VB |
| 250  | FES  | 48"    | -         |
| 251  | STMH | 72"    | R-1642B   |
| 400  | FES  | 54"    | -         |
| 400A | STMH | 84"    | R-1642B   |
| 401  | FES  | 42"    | -         |



CONSTRUCTION PLANS

|                   |            |
|-------------------|------------|
| DESIGNED:         | FDH II     |
| CHECKED:          | JHB        |
| DRAWN:            | CTY        |
| HORIZONTAL SCALE: | 100'       |
| VERTICAL SCALE:   | 20' OR 10' |

|                |          |
|----------------|----------|
| INITIAL ISSUE: | 03/21/23 |
| REVISIONS:     |          |
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PREPARED FOR:

DR HORTON, INC. - MINNESOTA

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
  
JOHN H. BENDER  
DATE: 03/21/23 LICENSE NO. 43358

RIVERTOWN HEIGHTS 2ND  
ADDITION

CHASKA, MN

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

OVERALL

PROJECT NUMBER: 0027067.02

SHEET NUMBER:

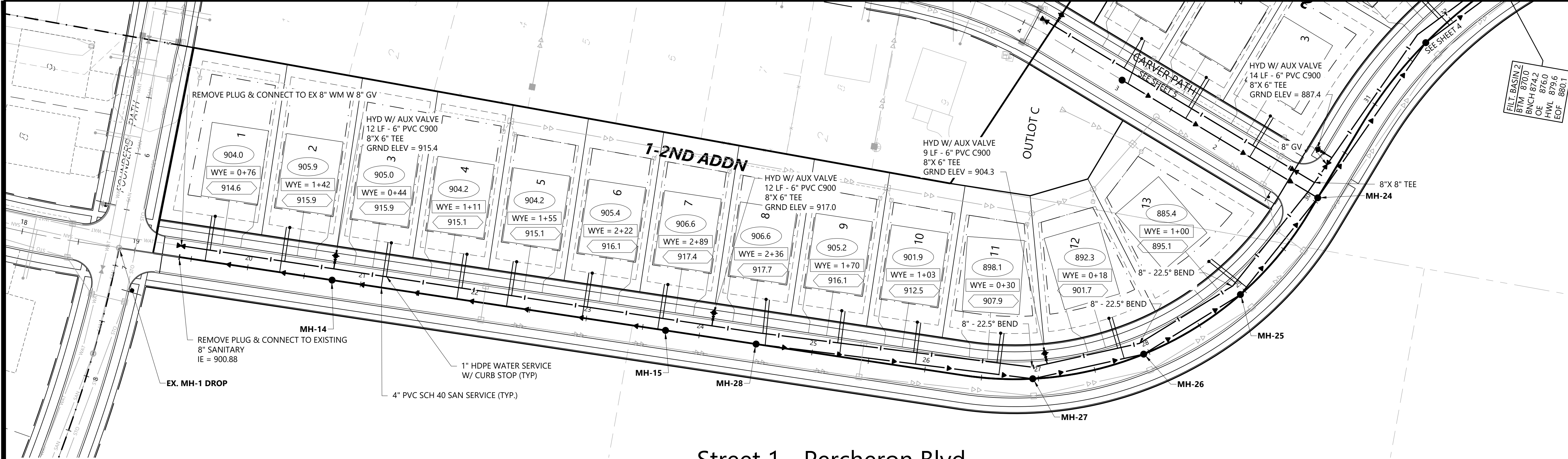
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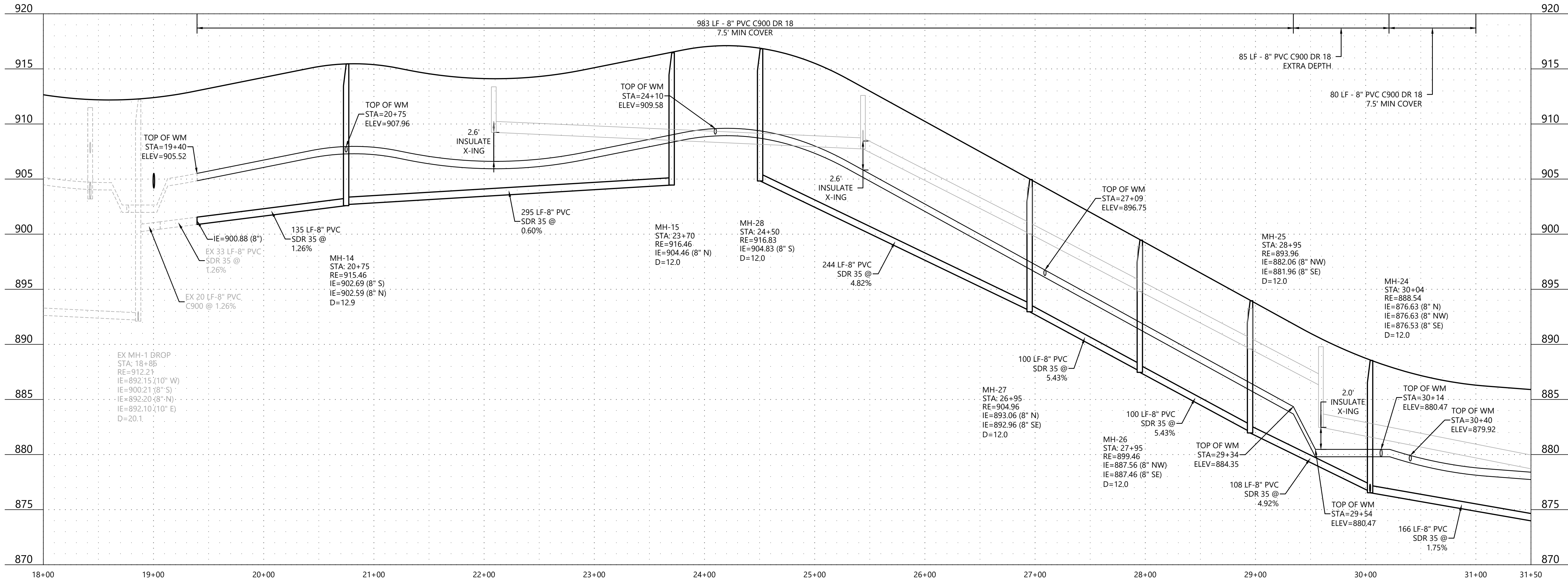
22

DATE: 03/21/23





## Street 1 - Percheron Blvd



DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 03/21/23  
REVISIONS:

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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

*John H. Bender*  
JOHN H. BENDER  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND ADDITION**  
CHASKA, MN

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minneapolis, MN 55433  
Toll Free (888) 937-5150 westwoodps.com  
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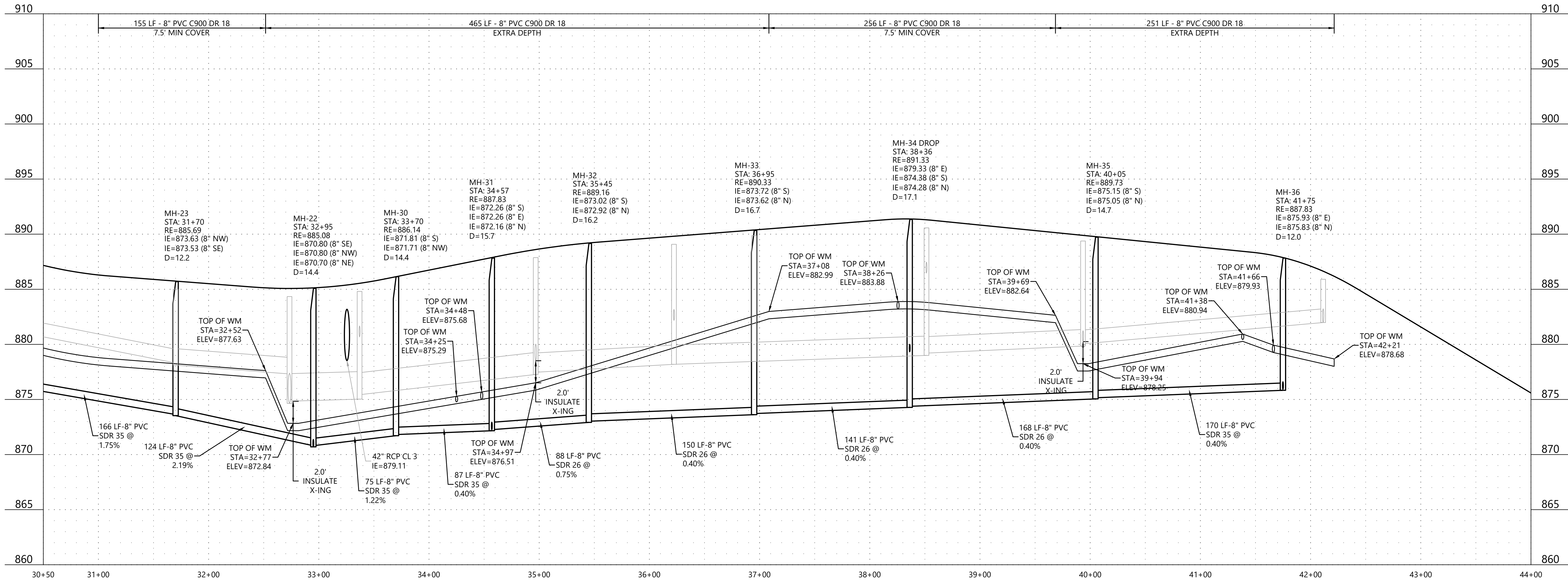
**SANITARY SEWER AND WATERMAIN CONSTRUCTION PLANS**  
PROJECT NUMBER: 0027067.02

SHEET NUMBER:  
**3** OF **22**  
DATE: 03/21/23



WATER SERVICE TO THIS LOT SHALL BE INSTALLED  
OVER STORM SEWER (INSULATE)

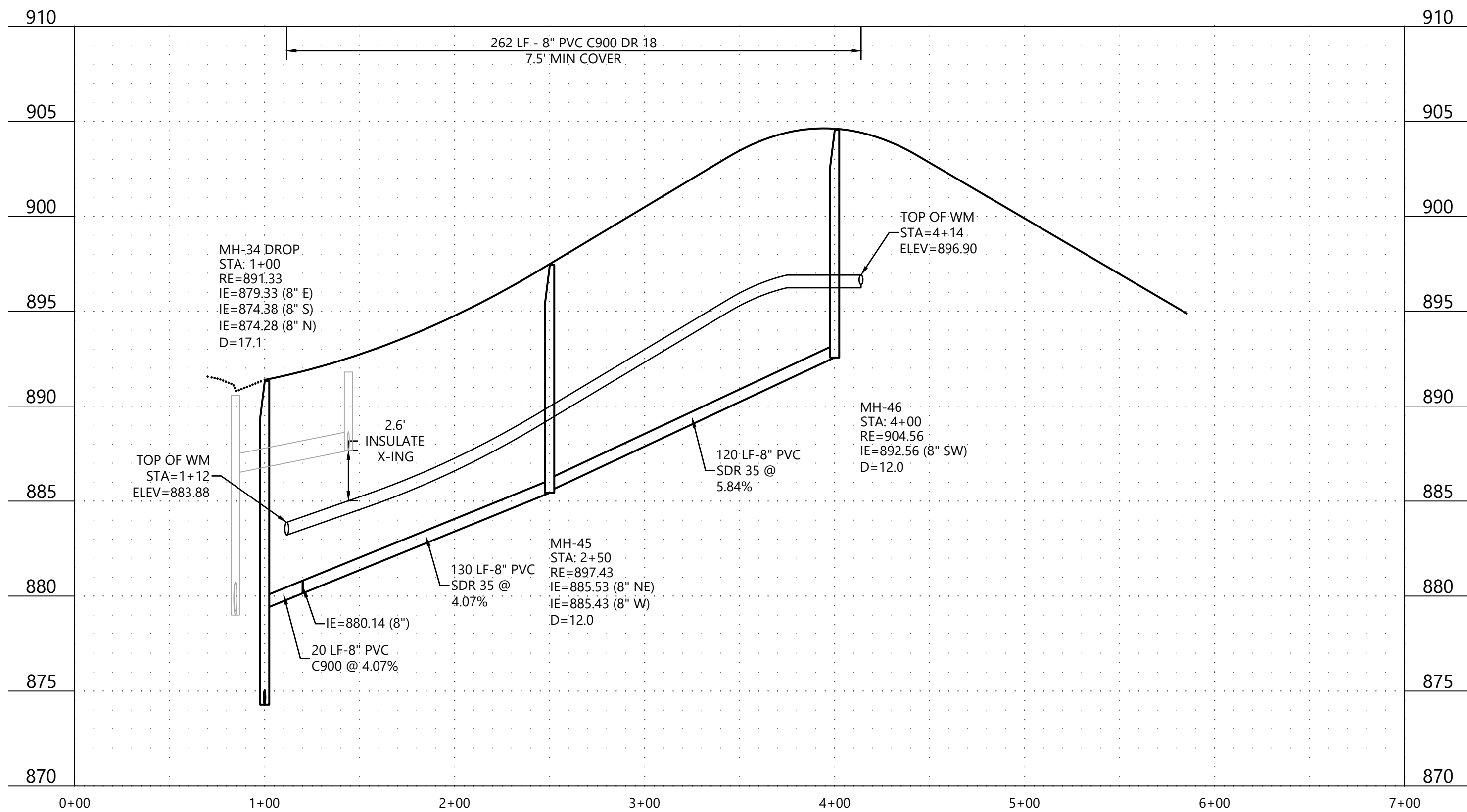
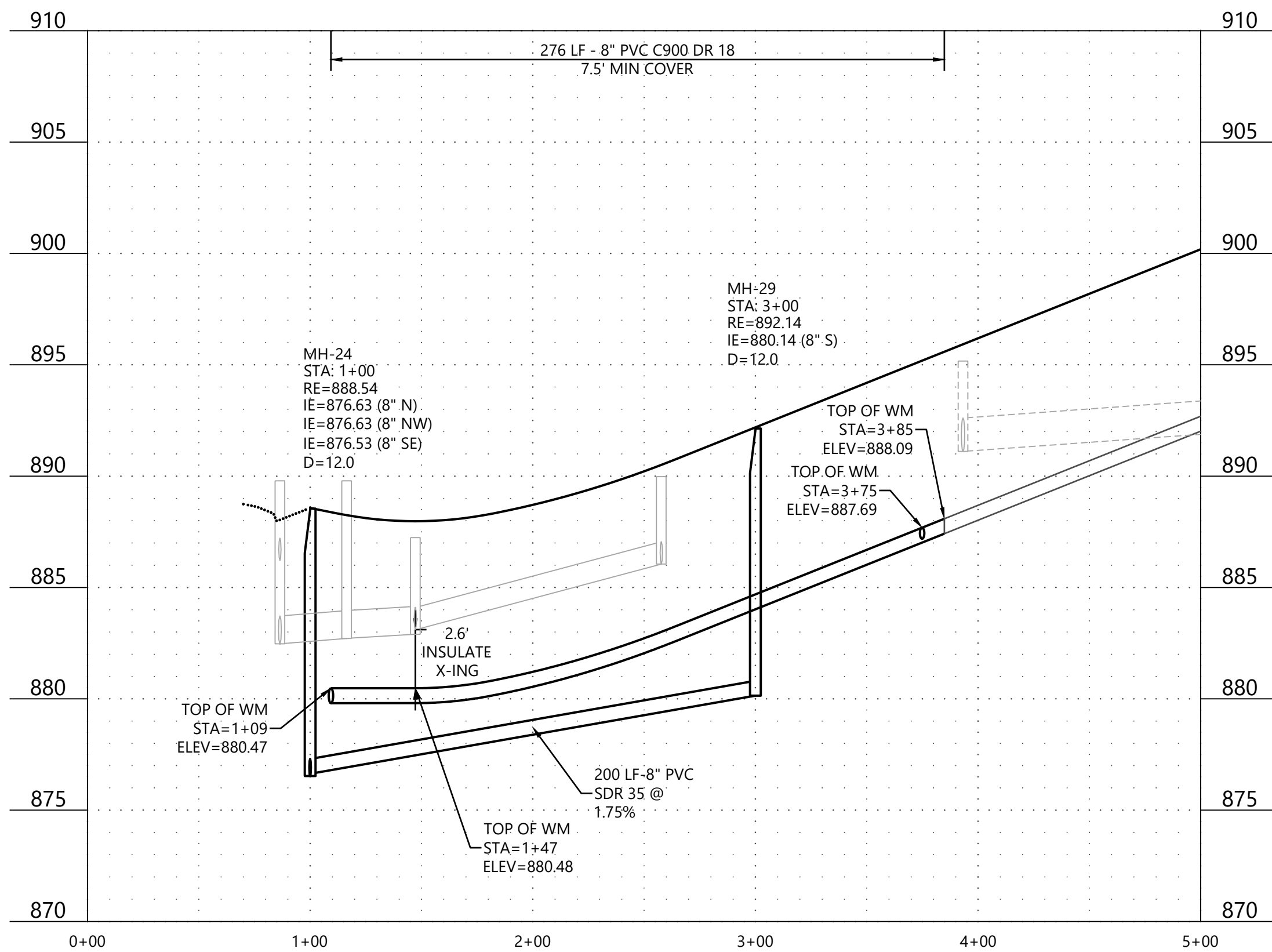
1. FLAG HYDRANTS.
2. ALL HYDRANTS SHALL BE WATEROUS STYLE.
3. EXTEND RODS ON DEEP VALVES PER CITY DETAIL WAT-1.
4. WATER PRESSURE MAY EXCEED 90 PSI, BUILDER WILL BE REQUIRED TO INSTALL PRIVATE PRESSURE REDUCING VALVE TO WATER SERVICE AT THE TIME OF NEW HOME CONSTRUCTION.
5. SANITARY SEWER MANHOLES SHALL BE LINED PER CITY DETAIL SAN-4.
6. ALL DROP MANHOLES TO BE CONSTRUCTED USING OUTSIDE DROPS.
7. WATER SERVICE PIPE SHALL BE 1" HDPE PIPE PER CITY DETAIL SER-2A.
8. SANITARY SEWER SERVICE SHALL BE 4" PVC SCH 40 PER CITY DETAIL SER-1.



## CONSTRUCTION PLANS

DATE: 03/21/23





1. FLAG HYDRANTS.
2. ALL HYDRANTS SHALL BE WATEROUS STYLE.
3. EXTEND RODS ON DEEP VALVES PER CITY DETAIL WAT-1.
4. WATER PRESSURE MAY EXCEED 90 PSI, BUILDER WILL BE REQUIRED TO INSTALL PRIVATE PRESSURE REDUCING VALVE TO WATER SERVICE AT THE TIME OF NEW HOME CONSTRUCTION.
5. SANITARY SEWER MANHOLES SHALL BE LINED PER CITY DETAIL SAN-4.
6. ALL DROP MANHOLES TO BE CONSTRUCTED USING OUTSIDE DROPS.
7. WATER SERVICE PIPE SHALL BE 1" HDPE PIPE PER CITY DETAIL SER-2A.
8. SANITARY SEWER SERVICE SHALL BE 4" PVC SCH 40 PER CITY DETAIL SER-1.

1" = 50'

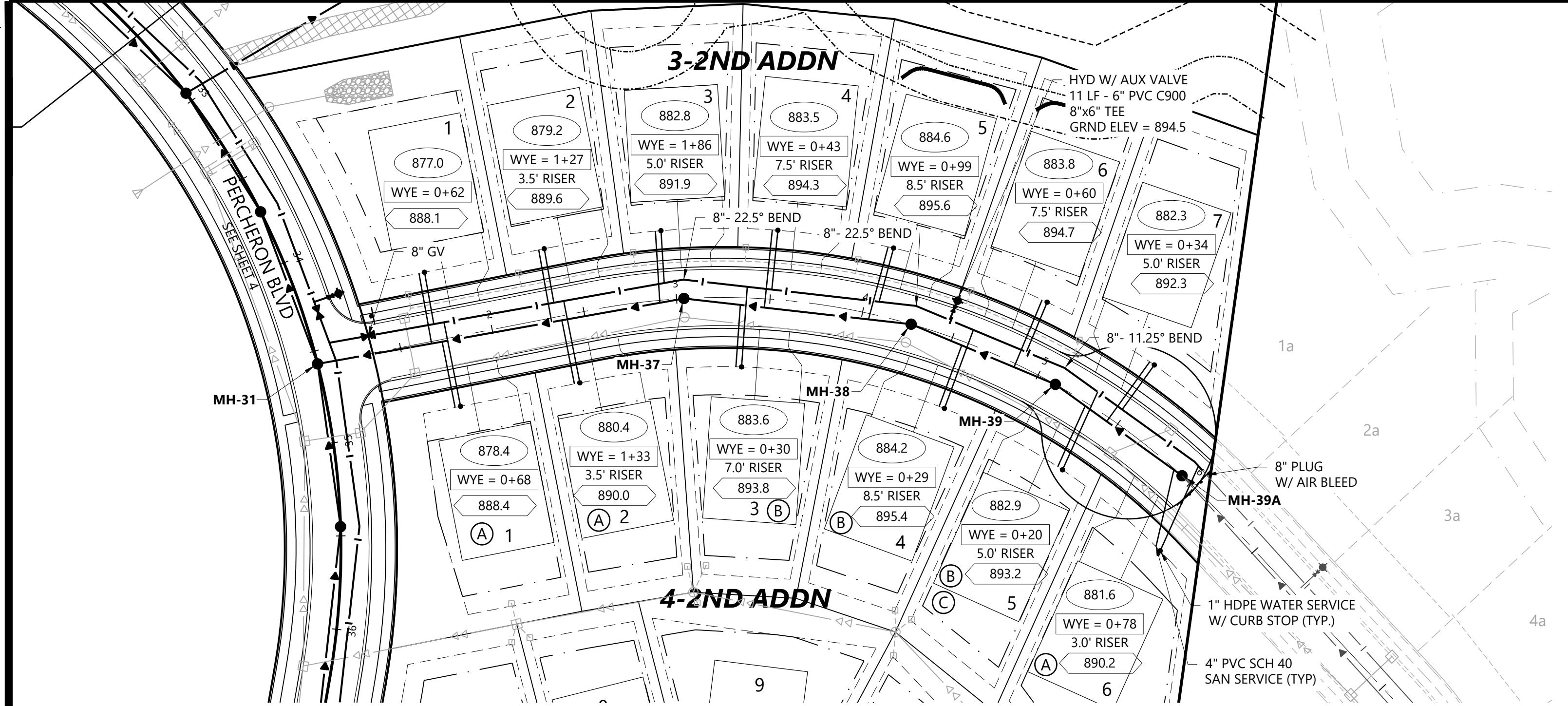
0' 50' 100' 150'

The diagram shows a horizontal bar representing a 150-foot runway. The bar is divided into three equal segments of 50 feet each. The top half of the bar is black, and the bottom half is white. Above the bar, a scale bar indicates that 1 inch represents 50 feet. Below the bar, the total length is marked as 150', with intermediate marks at 0', 50', and 100'.

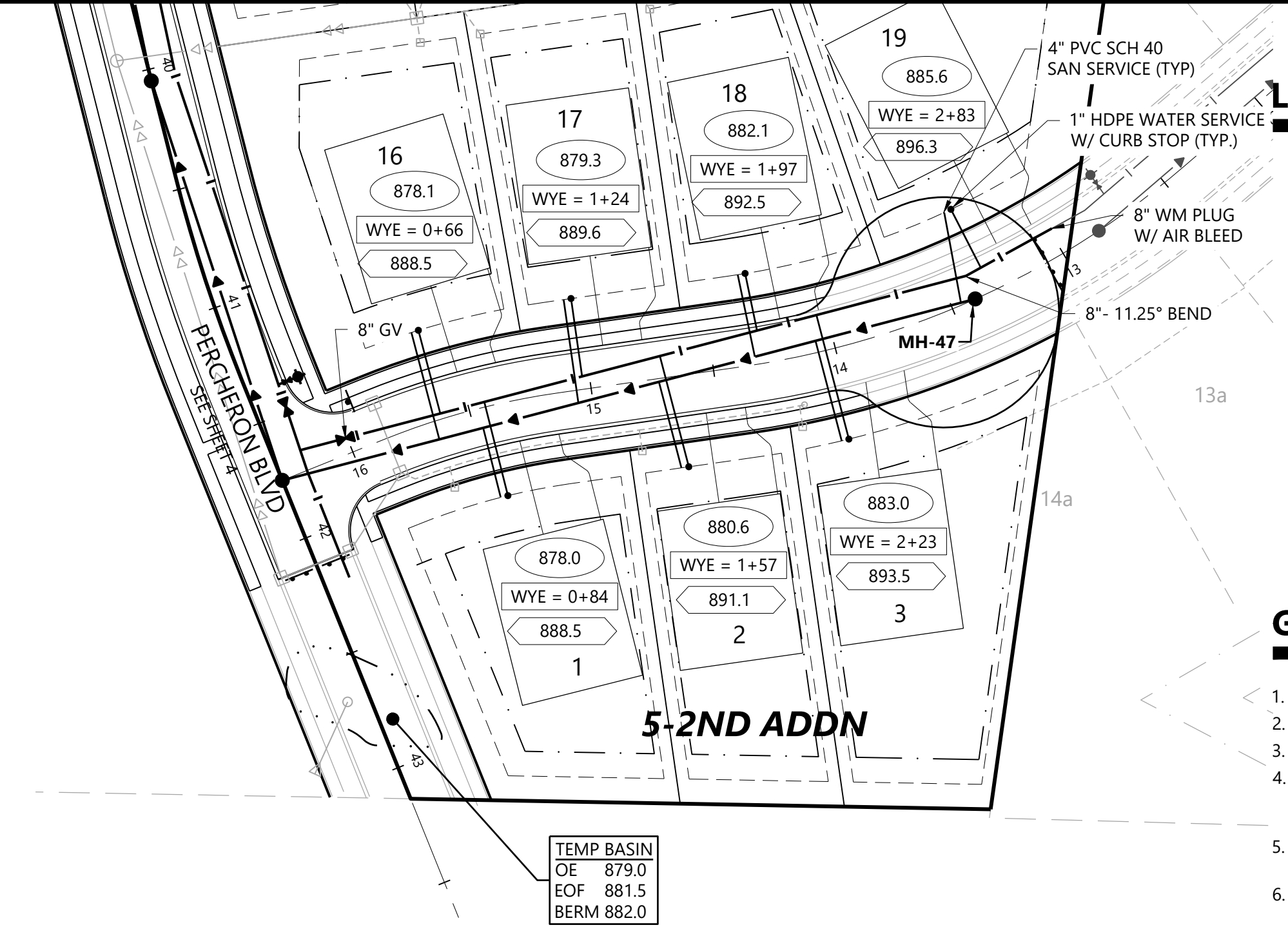
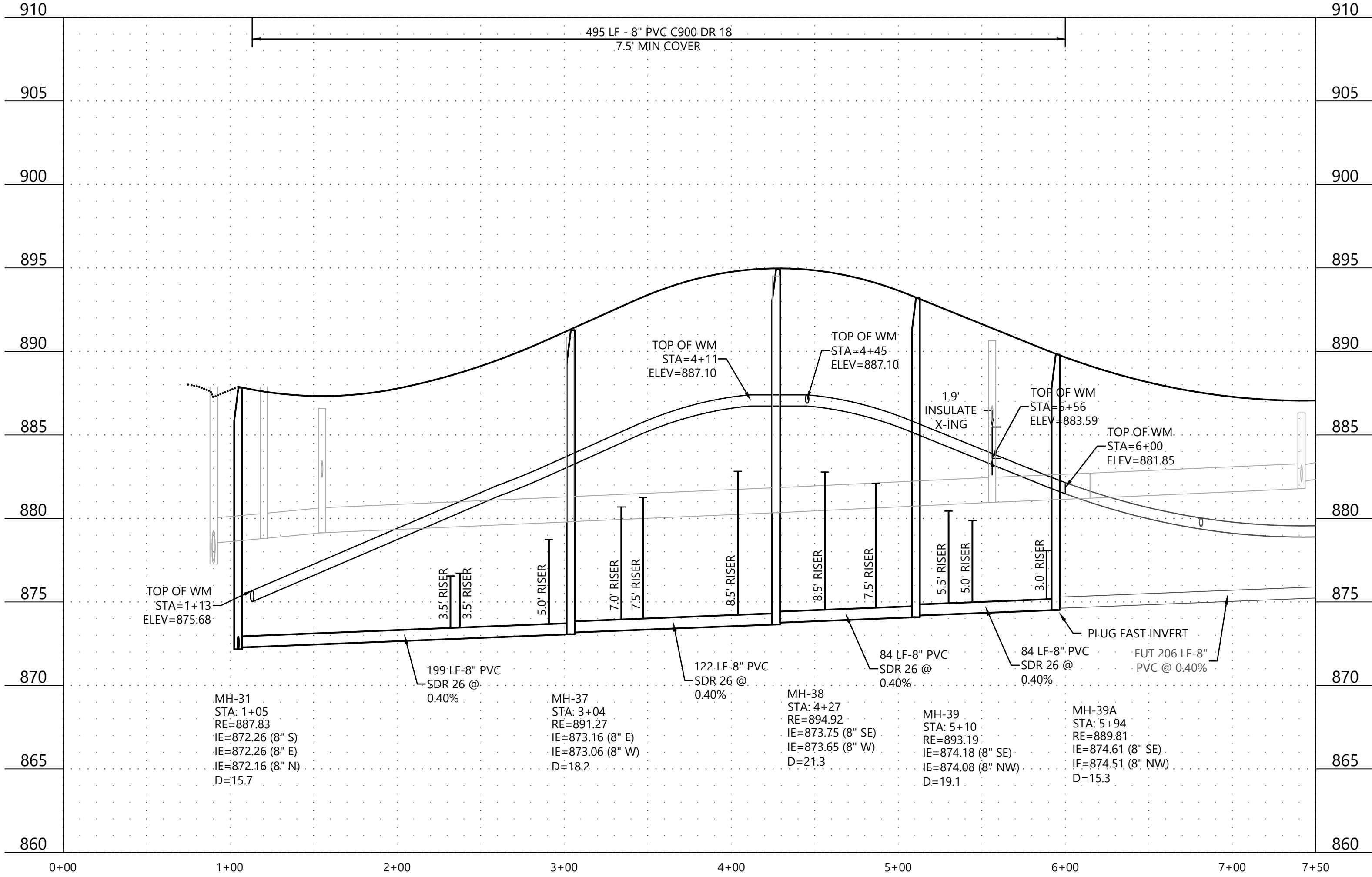
## CONSTRUCTION PLANS

DATE: 03/21/23

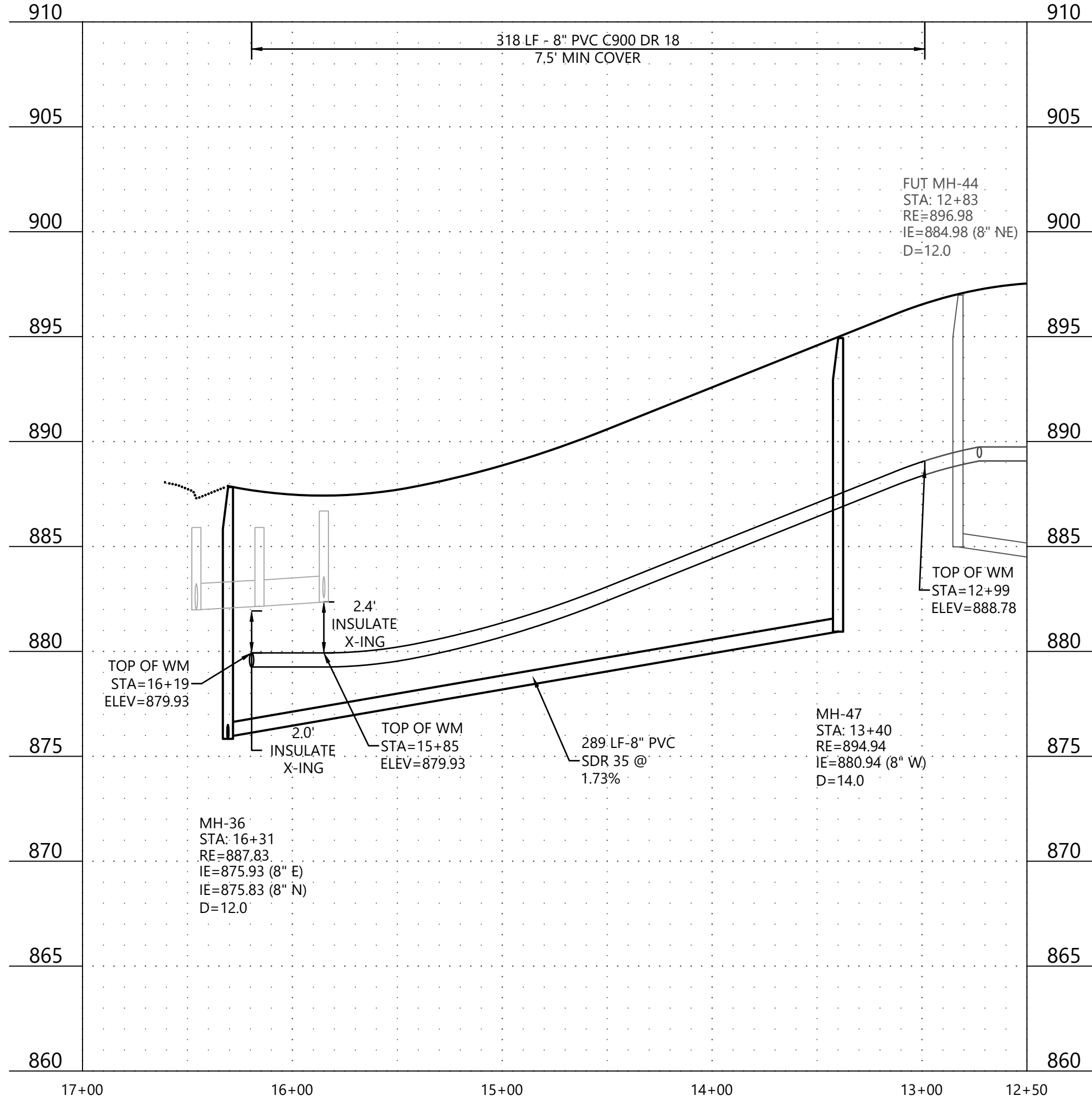




Street 7 - Brookside Drive



Street 7 - Brookside Drive



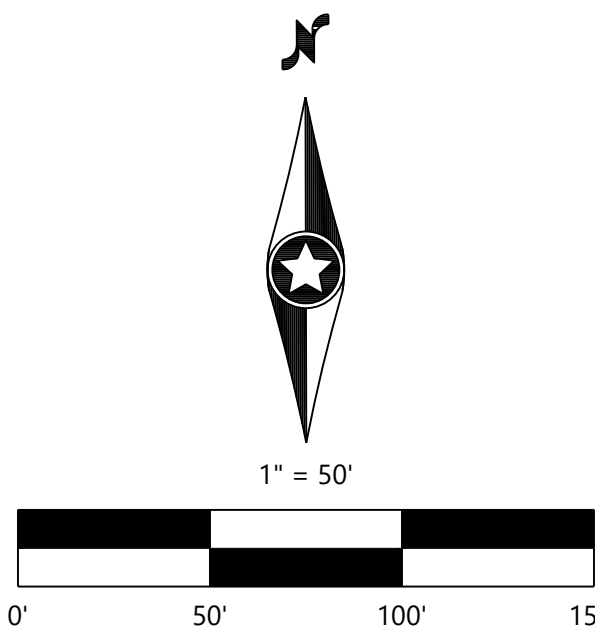
LEGEND

- XXX.X SANITARY SEWER SERVICE INVERT ELEVATION @ EASEMENT LINE
- WYE = X+XX SANITARY SEWER SERVICE WYE LOCATION ON MAIN LINE FROM DOWNSTREAM MANHOLE
- X.X' RISER DENOTES ELEVATION OF THE TOP OF WATER SERVICE STOP BOX
- XXXX.X WATER SERVICE TO THIS LOT SHALL BE INSTALLED UNDER PROPOSED STORM SEWER & SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION FROM STORM PIPE OF 2.0 FEET
- (A) SANITARY SEWER SERVICE TO THIS LOT SHALL BE INSTALLED UNDER PROPOSED STORM SEWER - INSTALL RISER AT PROPERTY LINE
- (B) WATER SERVICE TO THIS LOT SHALL BE INSTALLED OVER STORM SEWER (INSULATE)
- (C)

GENERAL NOTES

1. FLAG HYDRANTS.
2. ALL HYDRANTS SHALL BE WATEROUS STYLE.
3. EXTEND RODS ON DEEP VALVES PER CITY DETAIL WAT-1.
4. WATER PRESSURE MAY EXCEED 90 PSI. BUILDER WILL BE REQUIRED TO INSTALL PRIVATE PRESSURE REDUCING VALVE TO WATER SERVICE AT THE TIME OF NEW HOME CONSTRUCTION.
5. SANITARY SEWER MANHOLES SHALL BE LINED PER CITY DETAIL SAN-4.
6. ALL DROP MANHOLES TO BE CONSTRUCTED USING OUTSIDE DROPS.
7. WATER SERVICE PIPE SHALL BE 1" HDPE PIPE PER CITY DETAIL SER-2A.
8. SANITARY SEWER SERVICE SHALL BE 4" PVC SCH 40 PER CITY DETAIL SER-1.

Call 48 Hours before digging:  
811 or call811.com  
Common Ground Alliance



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 03/21/23  
REVISIONS:

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
**JOHN H. BENDER**  
DATE: 03/21/23 LICENSE NO. 43358

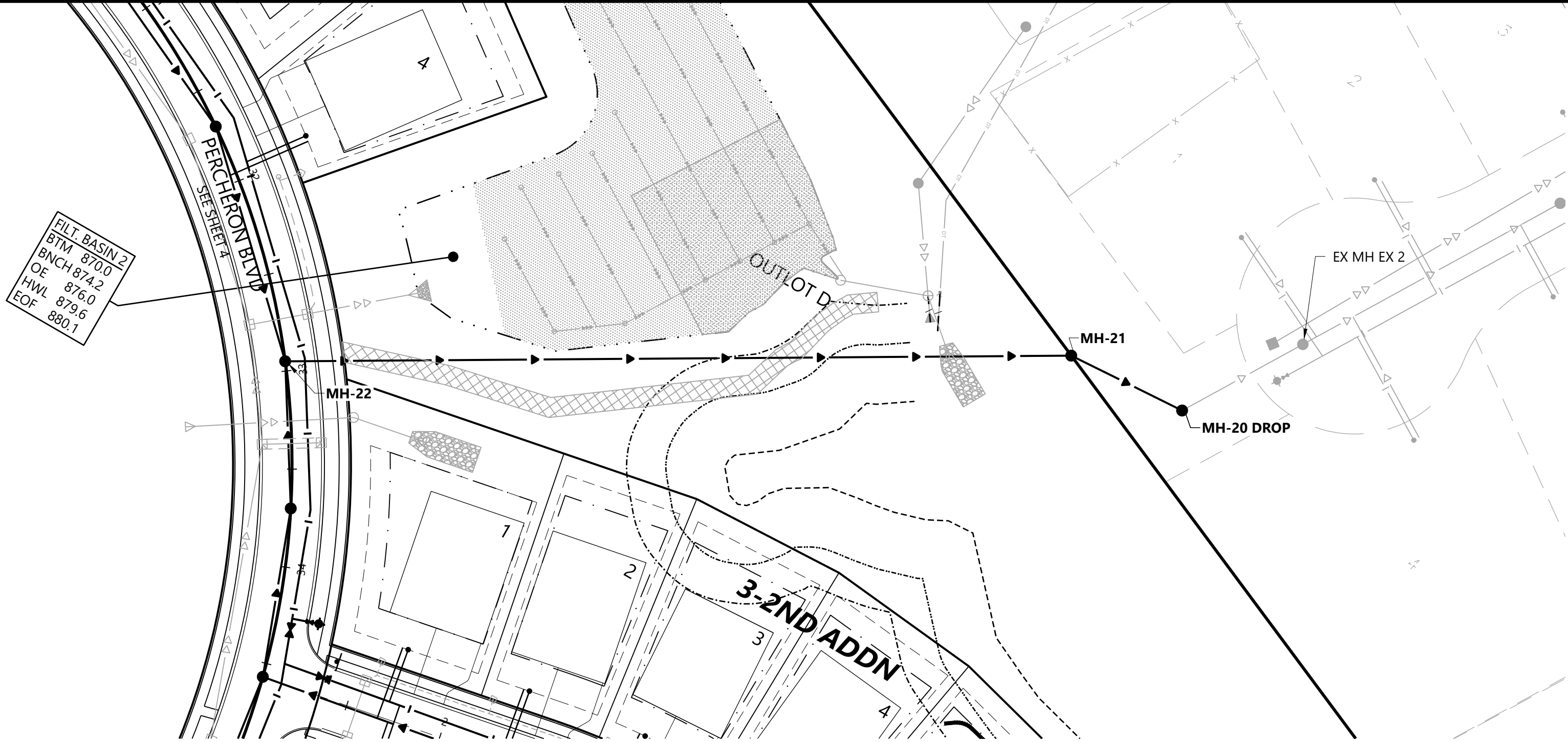
**RIVERTOWN HEIGHTS 2ND ADDITION**  
CHASKA, MN

**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
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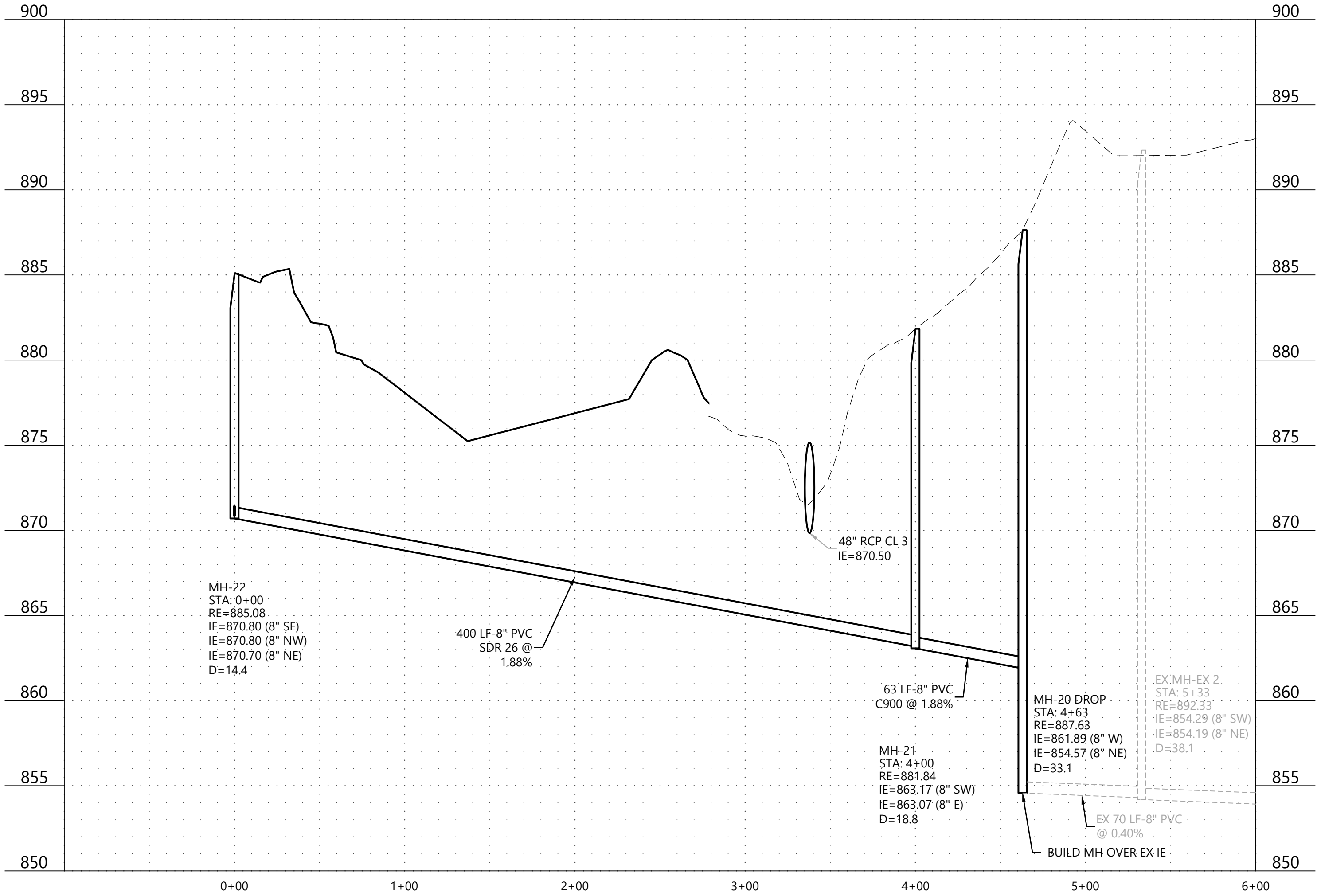
**SANITARY SEWER AND WATERMAIN CONSTRUCTION PLANS**  
PROJECT NUMBER: 0027067.02

SHEET NUMBER:  
**6** OF **22**  
DATE: 03/21/23





## SANITARY CONNECTION TO FOUNDERS RIDGE



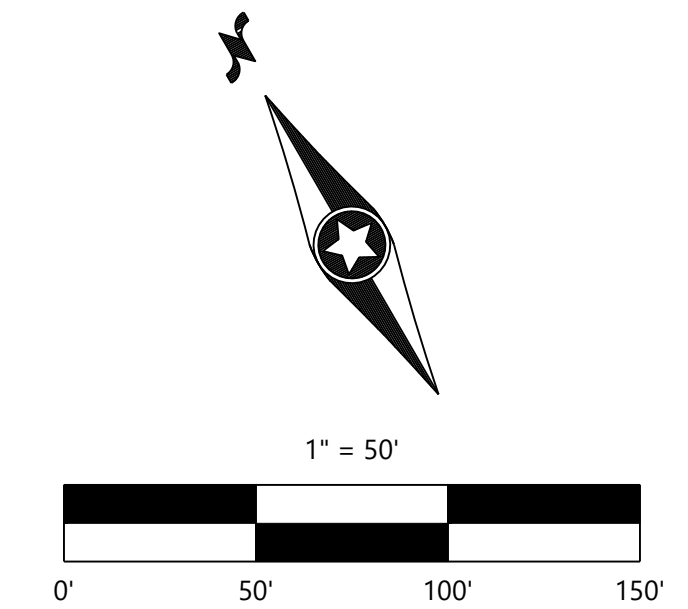
Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance

### LEGEND

- XXX.X  
SANITARY SEWER SERVICE  
INVERT ELEVATION @ EASEMENT LINE
- WYE = X+XX  
X.X' RISER  
DENOTES ELEVATION OF THE TOP OF WATER  
SERVICE STOP BOX
- A  
WATER SERVICE TO THIS LOT SHALL BE  
INSTALLED UNDER PROPOSED STORM SEWER  
& SHALL MAINTAIN A MINIMUM VERTICAL  
SEPARATION FROM STORM PIPE OF 2.0 FEET
- B  
SANITARY SEWER SERVICE TO THIS LOT SHALL  
BE INSTALLED UNDER PROPOSED STORM SEWER  
- INSTALL RISER AT PROPERTY LINE
- C  
WATER SERVICE TO THIS LOT SHALL BE INSTALLED  
OVER STORM SEWER (INSULATE)

### GENERAL NOTES

- FLAG HYDRANTS.
- ALL HYDRANTS SHALL BE WATEROUS STYLE.
- EXTEND RODS ON DEEP VALVES PER CITY DETAIL WAT-1.
- WATER PRESSURE MAY EXCEED 90 PSI. BUILDER WILL BE  
REQUIRED TO INSTALL PRIVATE PRESSURE REDUCING VALVE TO  
WATER SERVICE AT THE TIME OF NEW HOME CONSTRUCTION.
- SANITARY SEWER MANHOLES SHALL BE LINED PER CITY DETAIL  
SAN-4.
- ALL DROP MANHOLES TO BE CONSTRUCTED USING OUTSIDE  
DROPS.
- WATER SERVICE PIPE SHALL BE 1" HDPE PIPE PER CITY DETAIL  
SER-2A.
- SANITARY SEWER SERVICE SHALL BE 4" PVC SCH 40 PER CITY  
DETAIL SER-1.



## CONSTRUCTION PLANS

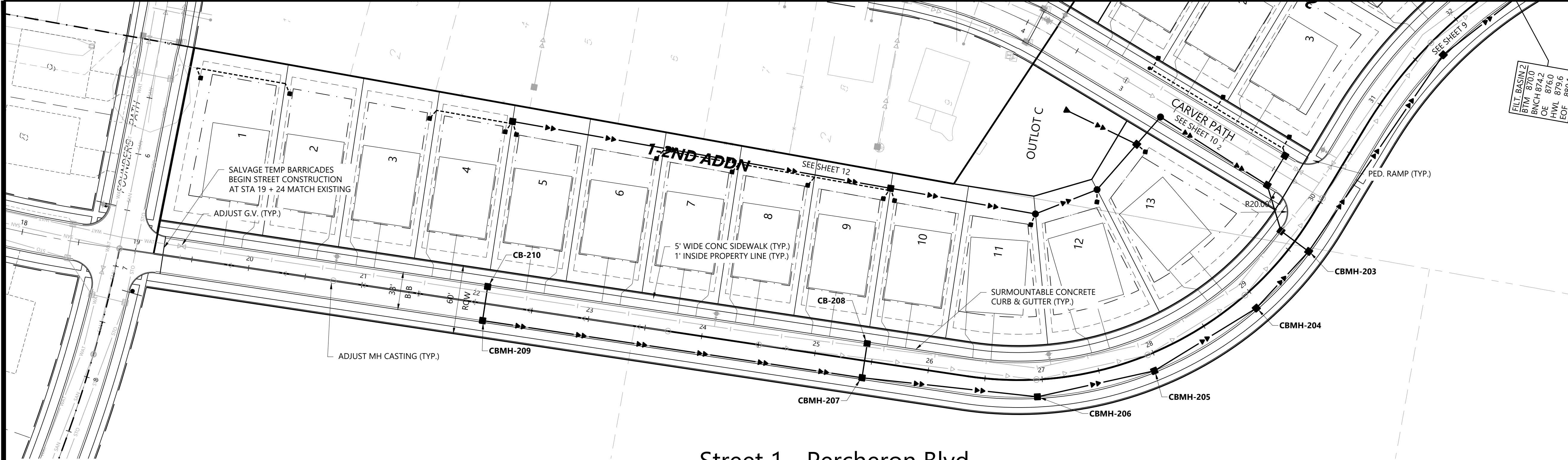
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RIVERTOWN HEIGHTS 2ND ADDITION

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 03/21/23  
REVISIONS:  
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Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance

**LEGEND**

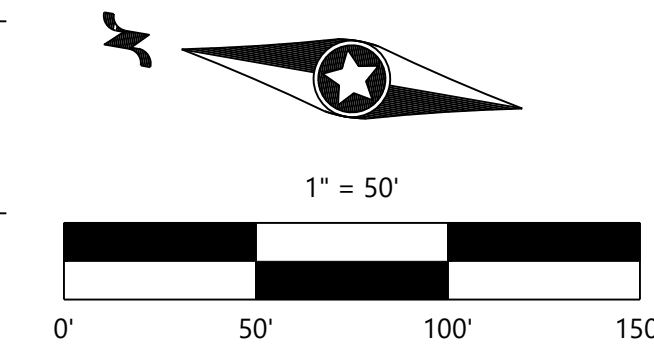
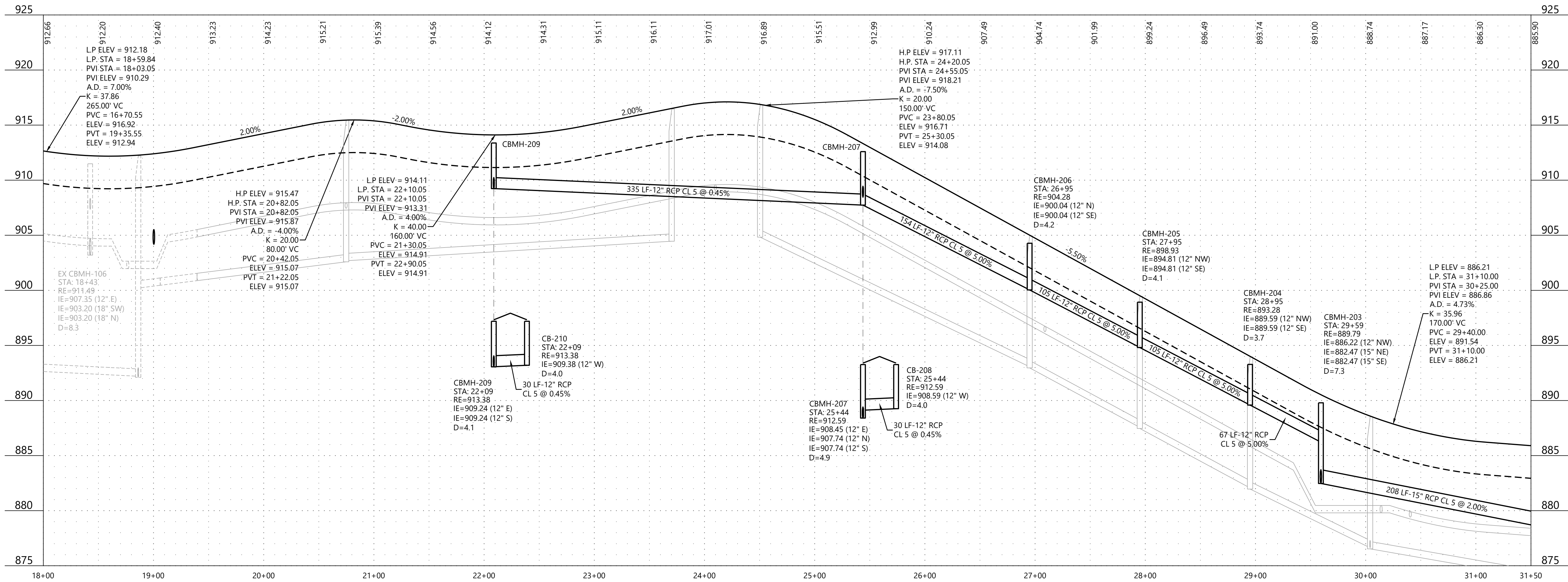
| EXISTING | PROPOSED | GUTTER ELEVATION |
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| ✦ 900.00 | ✦ 900.00 |                  |

**GENERAL NOTES**

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- UPON COMPLETION OF PAVING STREETS - REMOVE DRIVEN TYPE III BARRICADES AND POSTS ON CARVER PATH, PATCH STREET AS NEEDED.

FILT BASIN 2  
BTM 870.0  
BNCH 874.2  
OE 876.0  
HML 879.6  
EOF 880.1

## Street 1 - Percheron Blvd



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 03/21/23  
REVISIONS:

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
**JOHN H. BENDER**  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND ADDITION**  
CHASKA, MN

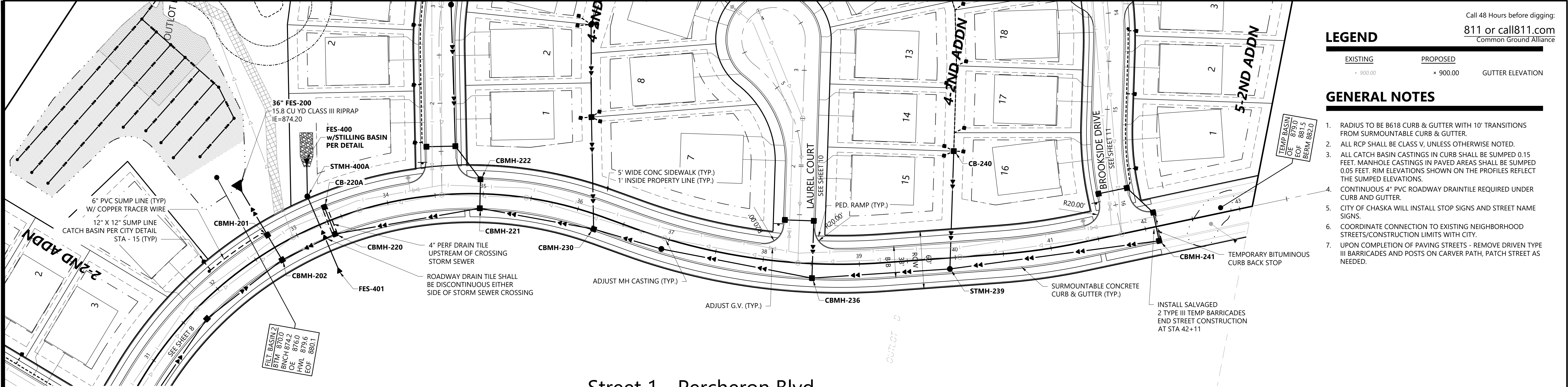
**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

**STREET AND STORM  
SEWER CONSTRUCTION  
PLANS**

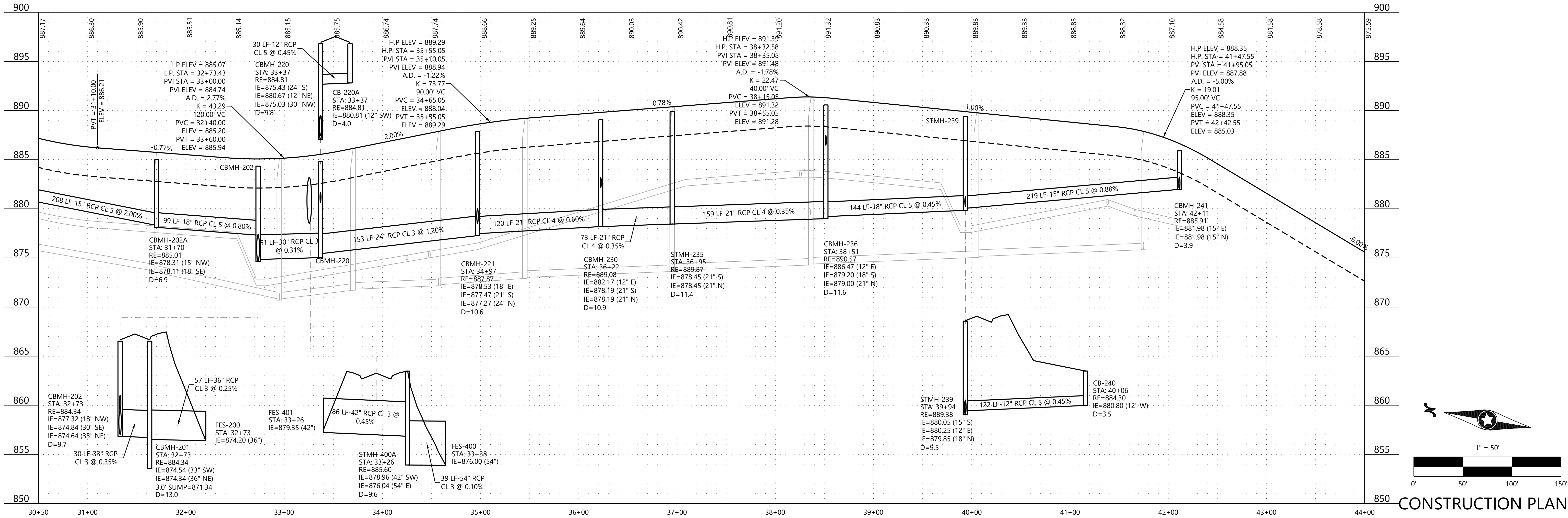
PROJECT NUMBER: 0027067.02

SHEET NUMBER:  
**8** OF **22**  
DATE: 03/21/23





## Street 1 - Percheron Blvd



### LEGEND

EXISTING  
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GUTTER ELEVATION

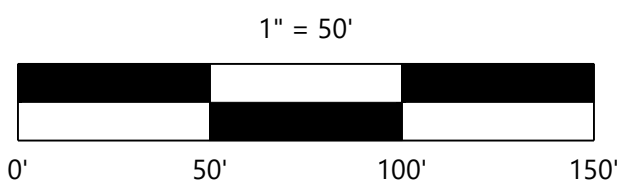
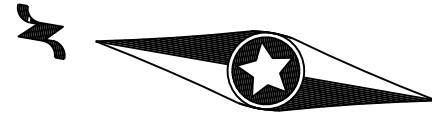
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811 or call811.com

Common Ground Alliance



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 50'  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 03/21/23  
REVISIONS:

PREPARED FOR:

DR HORTON, INC. - MINNESOTA

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JOHN H. BENDER  
DATE: 03/21/23 LICENSE NO. 43358

RIVERTOWN HEIGHTS 2ND ADDITION  
CHASKA, MN

Westwood

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STREET AND STORM  
SEWER CONSTRUCTION  
PLANS

PROJECT NUMBER: 0027067.02

SHEET NUMBER:

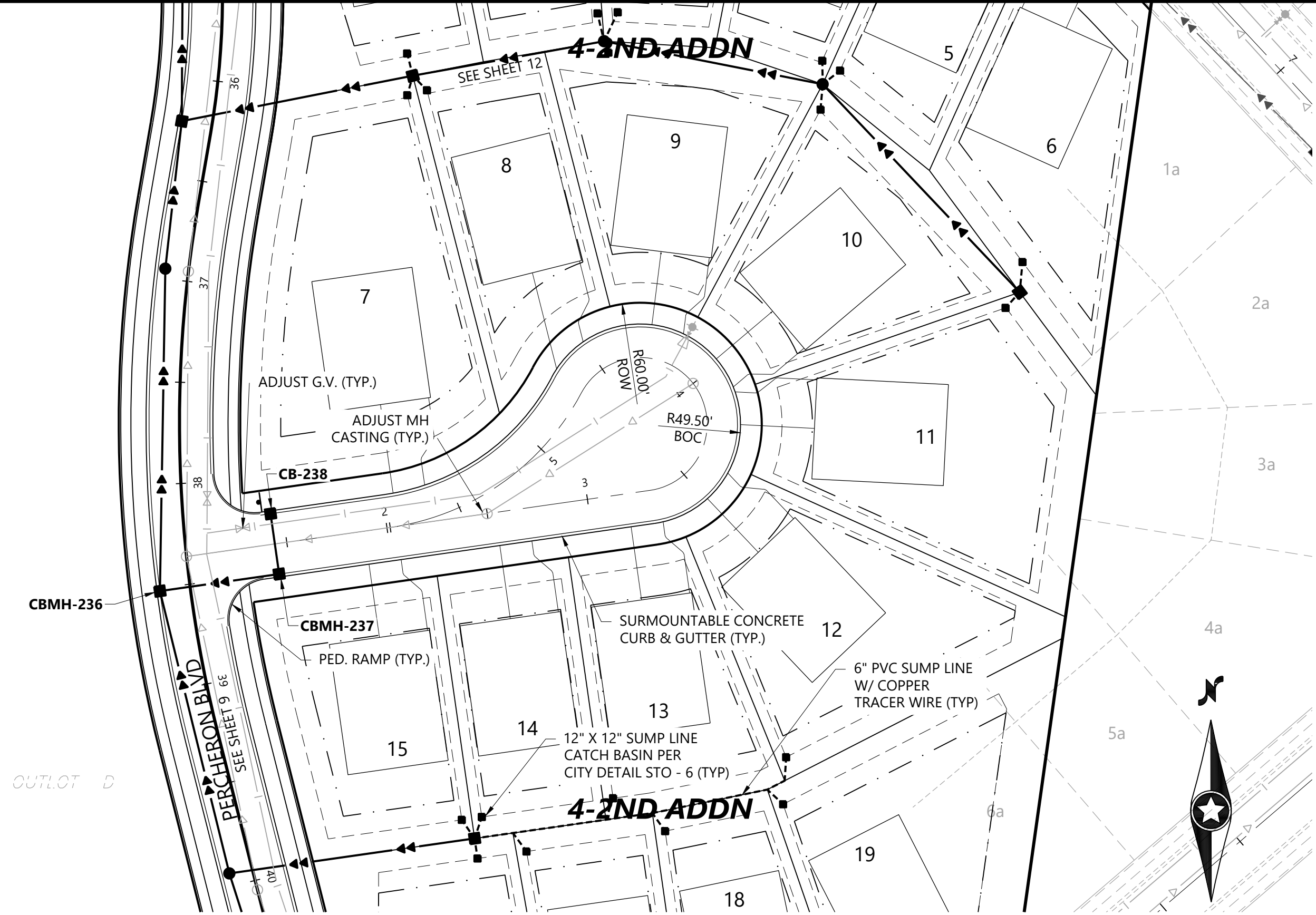
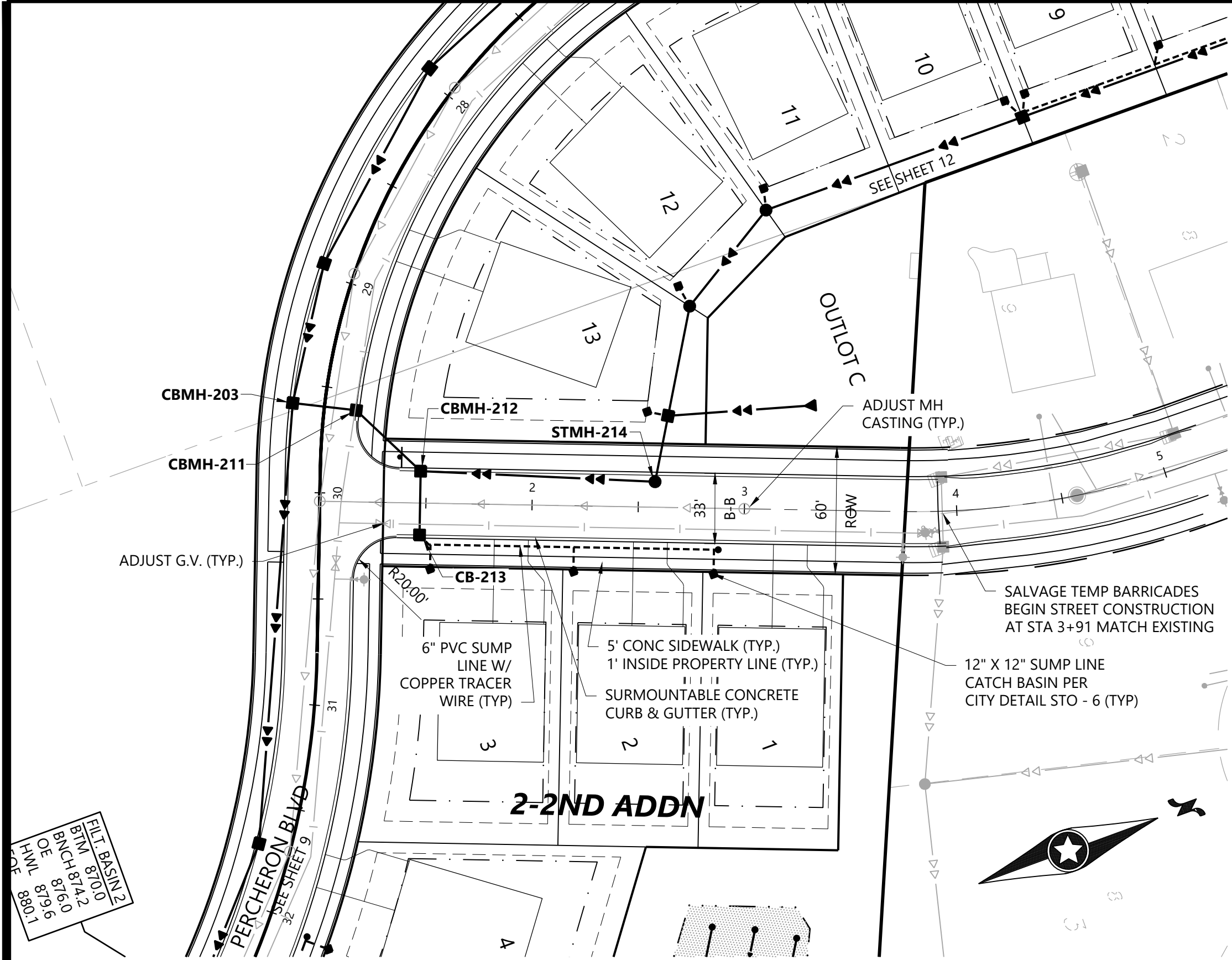
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DATE: 03/21/23





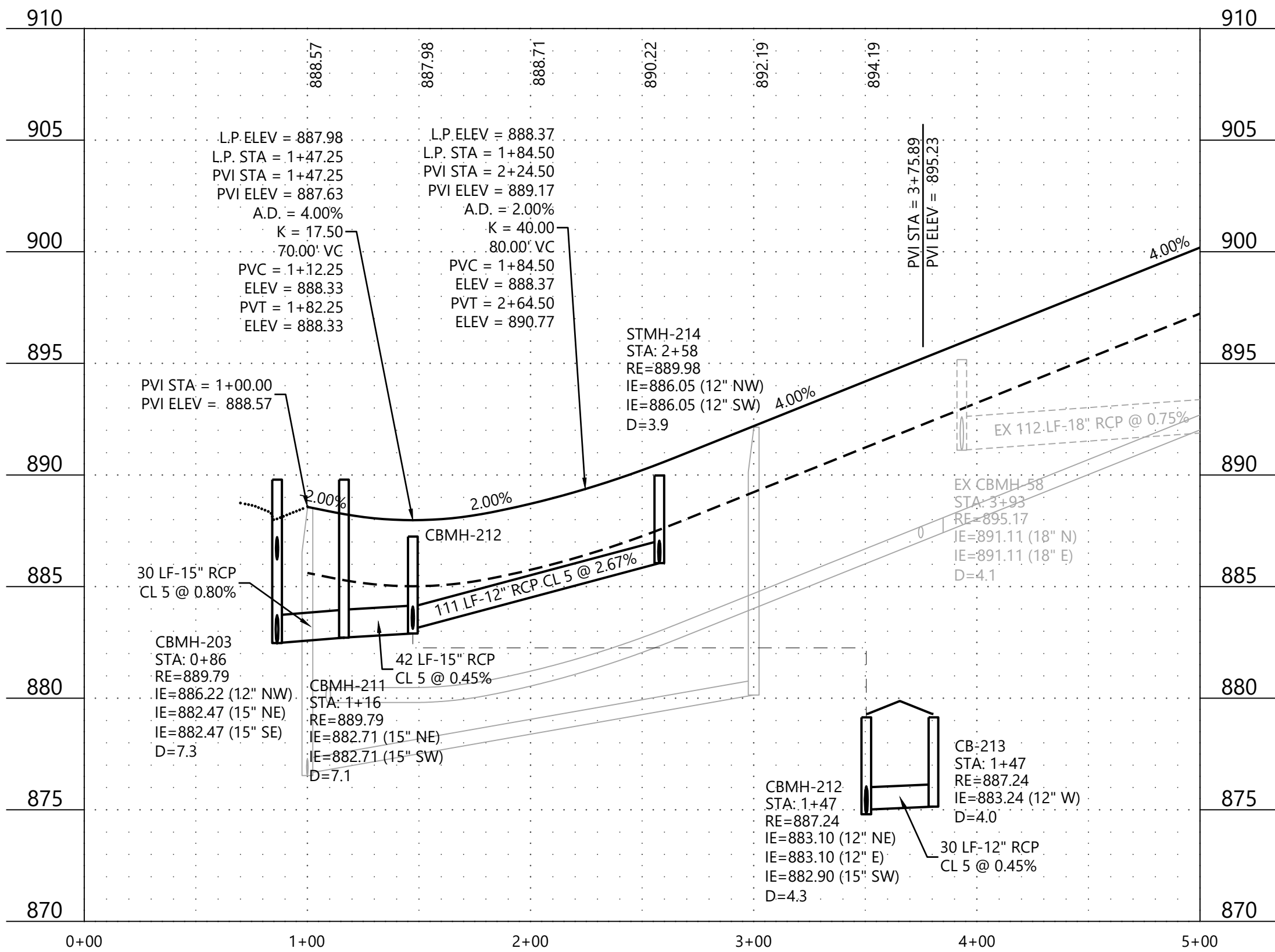
### LEGEND

| EXISTING | PROPOSED | GUTTER ELEVATION |
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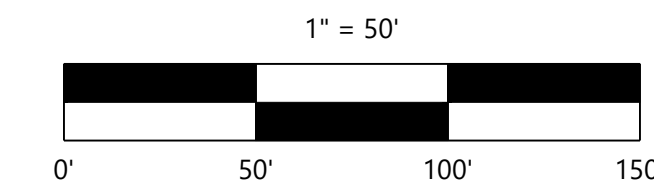
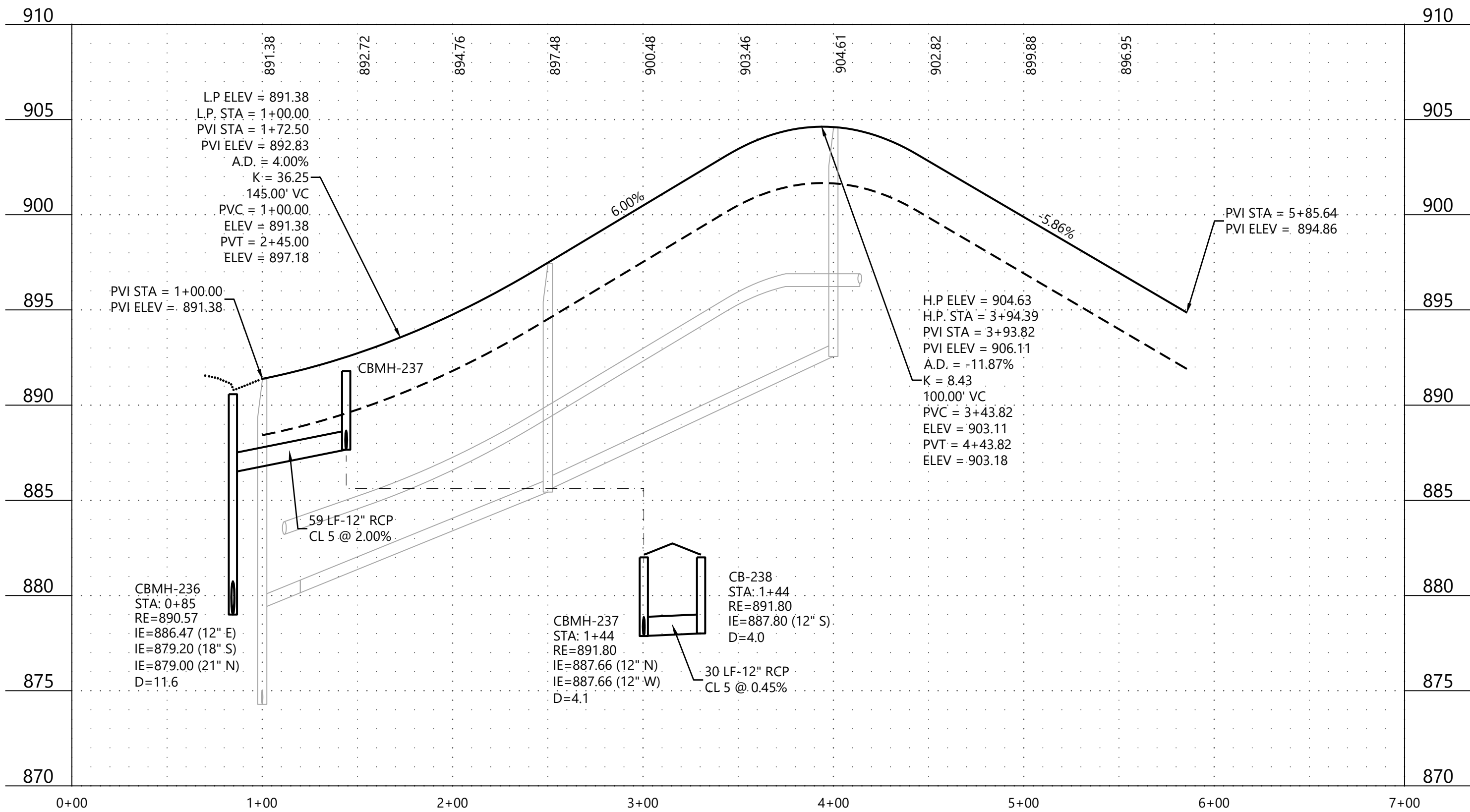
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### Street 6 - Carver Path



### Street 8 - Laurel Court

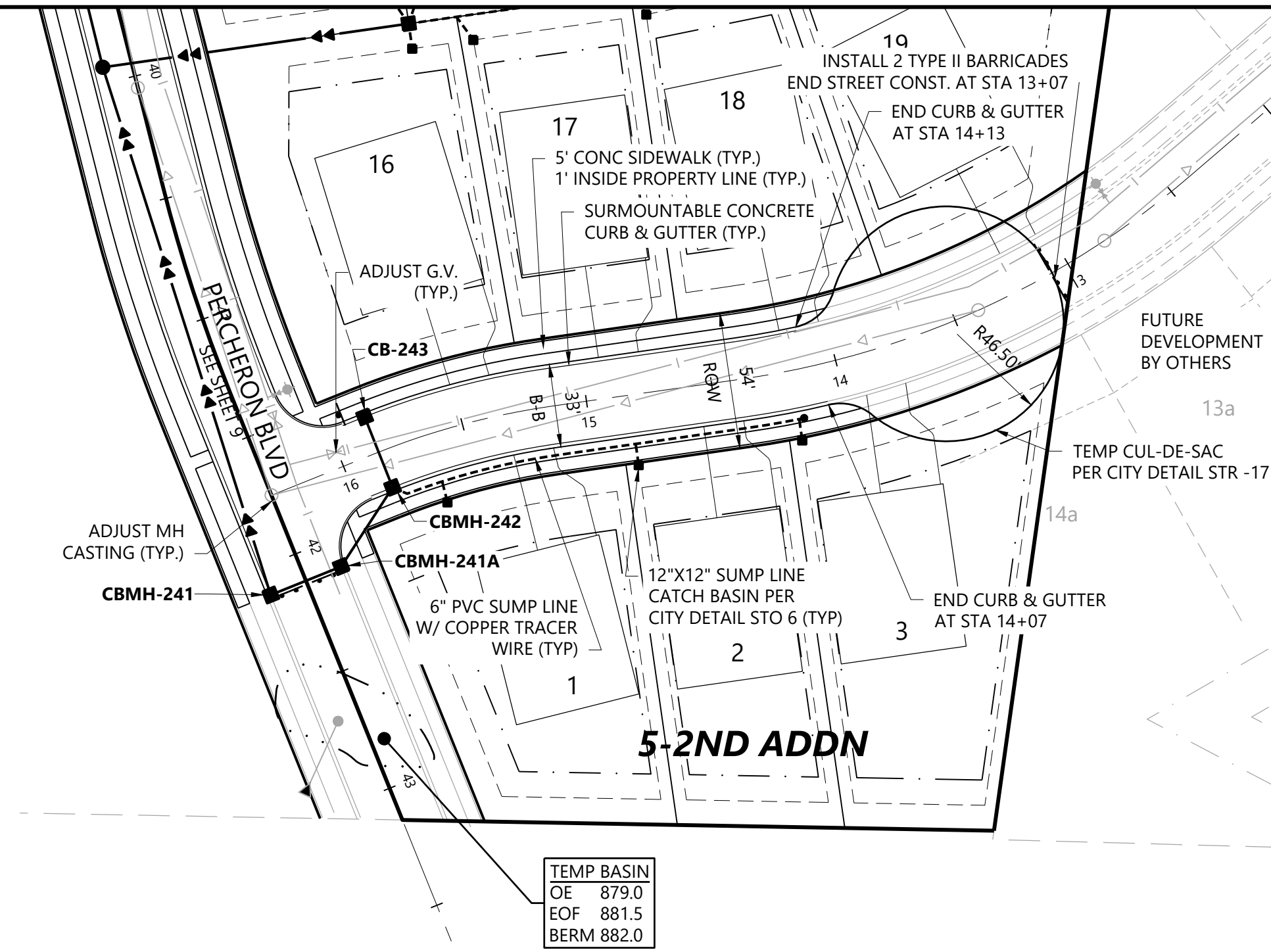


CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
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HORIZONTAL SCALE: 50'  
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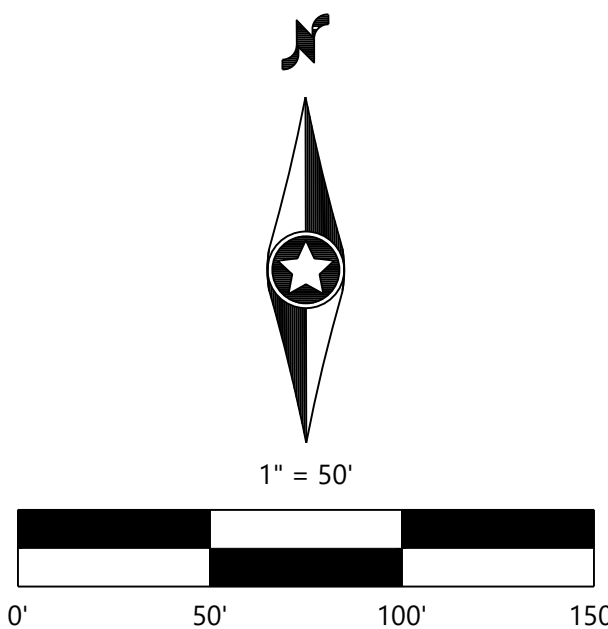
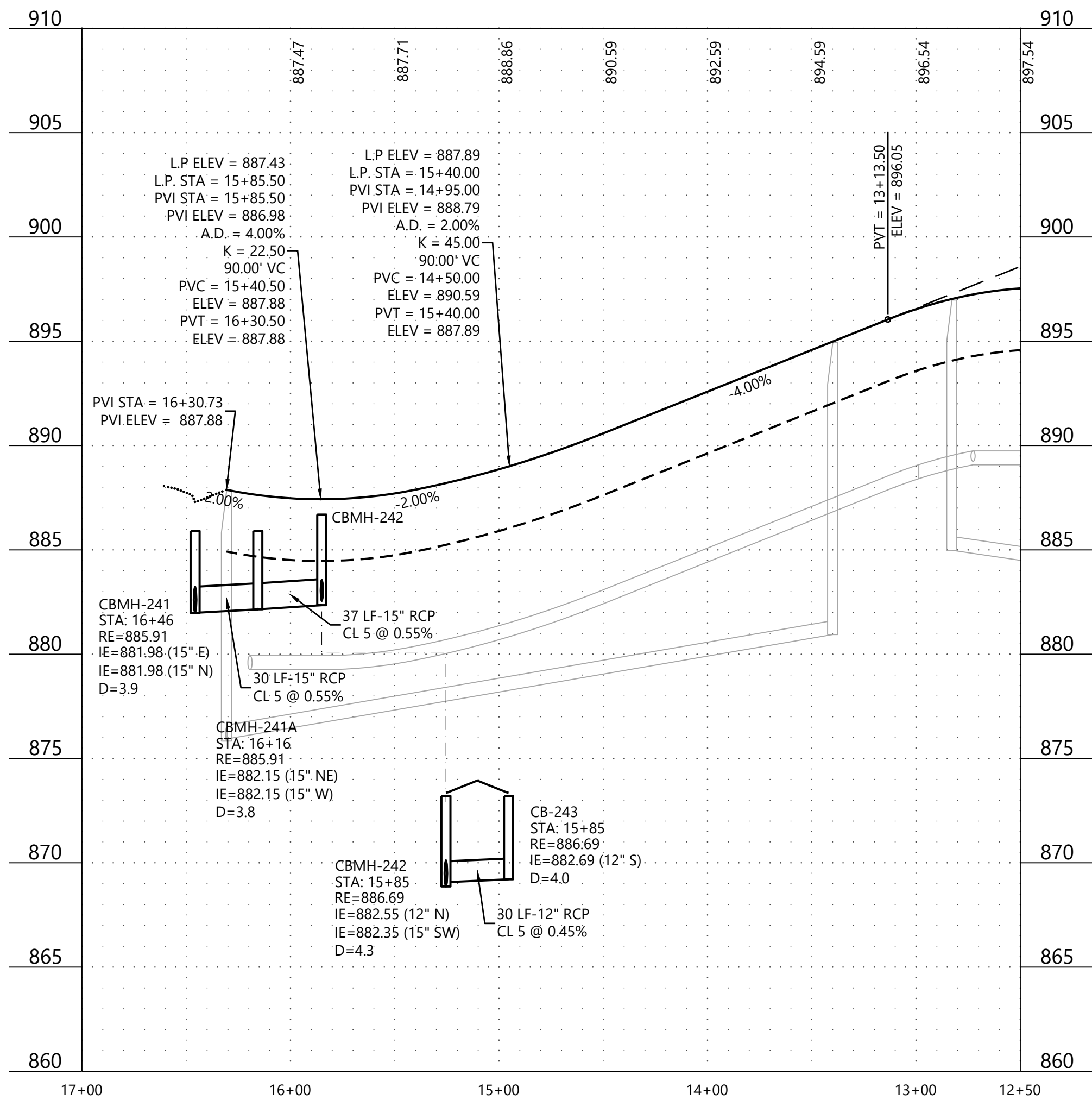
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| × 900.00        | × 900.00        | GUTTER ELEVATION |

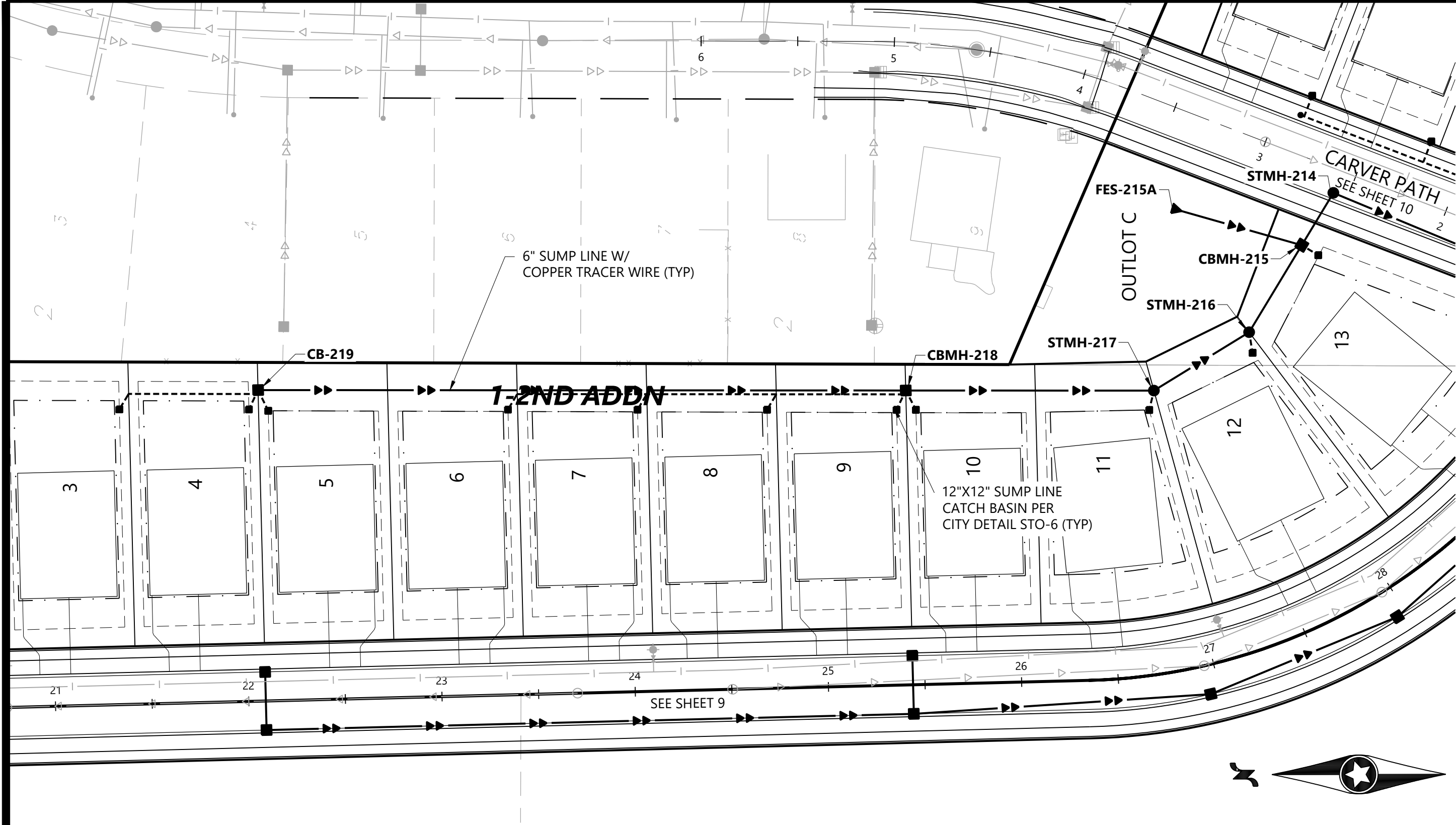
1. RADIUS TO BE B618 CURB & GUTTER WITH 10' TRANSITIONS FROM SURMOUNTABLE CURB & GUTTER.
2. ALL RCP SHALL BE CLASS V, UNLESS OTHERWISE NOTED.
3. ALL CATCH BASIN CASTINGS IN CURB SHALL BE SUMPED 0.15 FEET. MANHOLE CASTINGS IN PAVED AREAS SHALL BE SUMPED 0.05 FEET. RIM ELEVATIONS SHOWN ON THE PROFILES REFLECT THE SUMPED ELEVATIONS.
4. CONTINUOUS 4" PVC ROADWAY DRAINTILE REQUIRED UNDER CURB AND GUTTER.
5. CITY OF CHASKA WILL INSTALL STOP SIGNS AND STREET NAME SIGNS.
6. COORDINATE CONNECTION TO EXISTING NEIGHBORHOOD STREETS/CONSTRUCTION LIMITS WITH CITY.
7. UPON COMPLETION OF PAVING STREETS - REMOVE DRIVEN TYPE III BARRICADES AND POSTS ON CARVER PATH, PATCH STREET AS NEEDED.



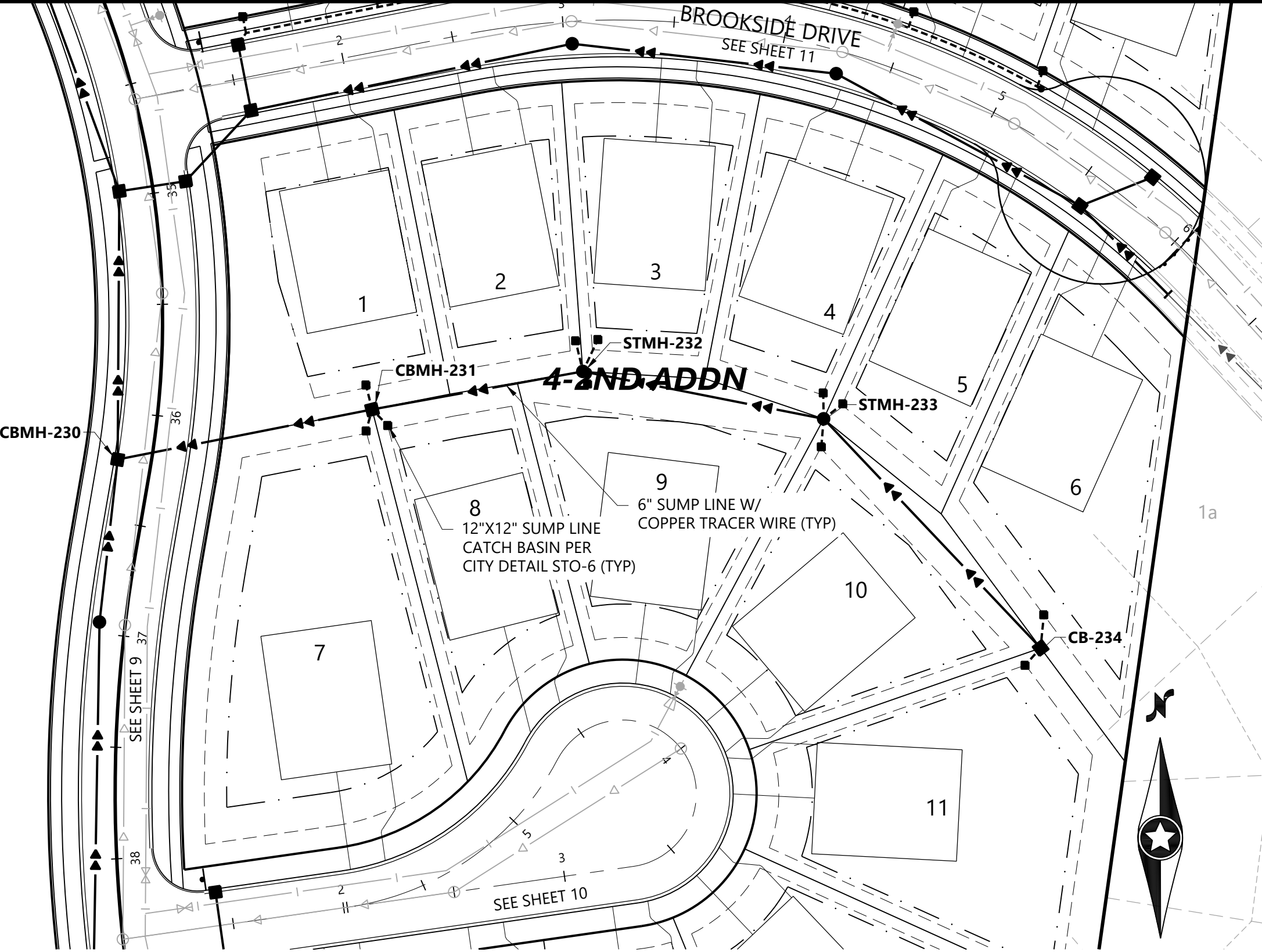
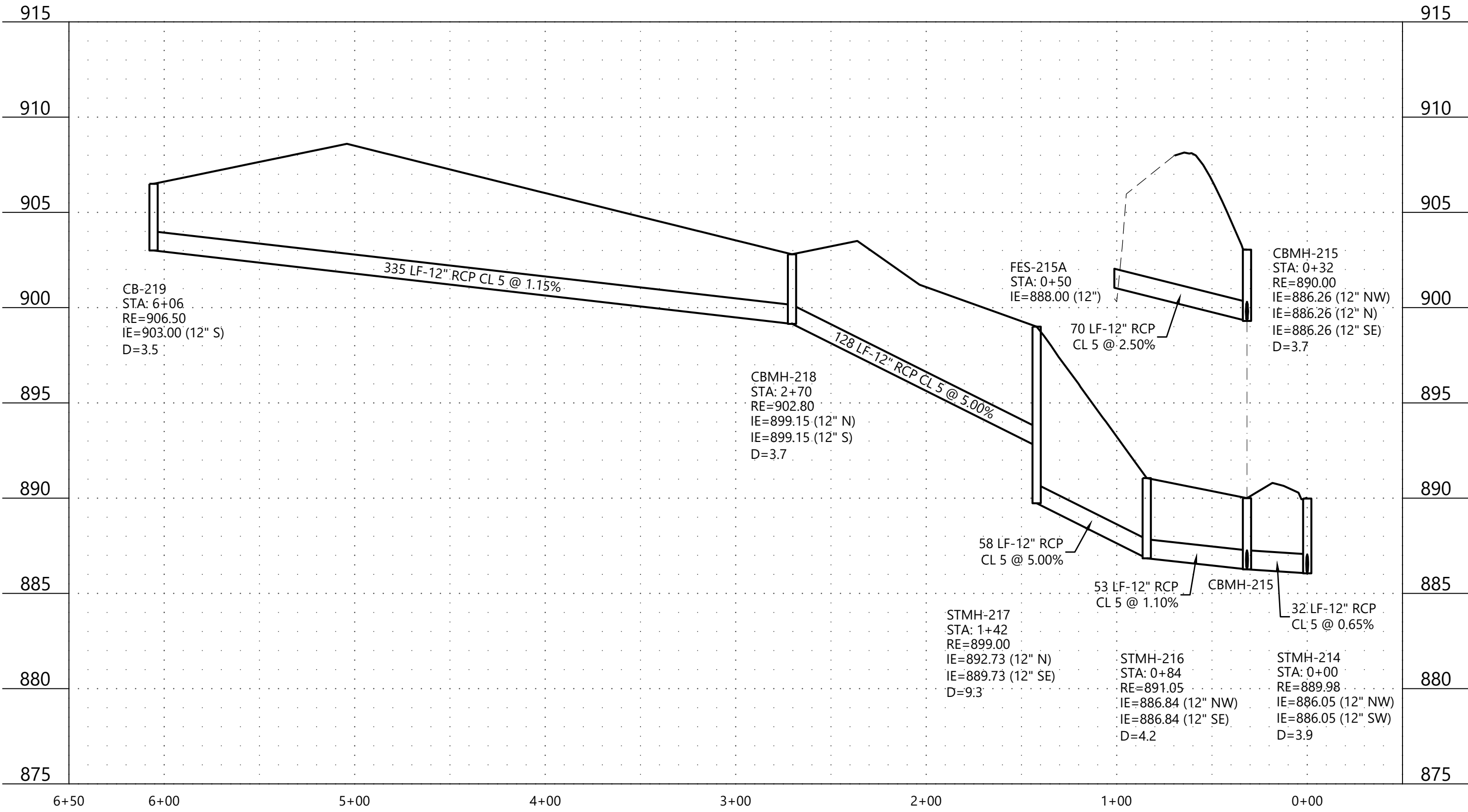
## CONSTRUCTION PLANS

DATE: 03/21/23

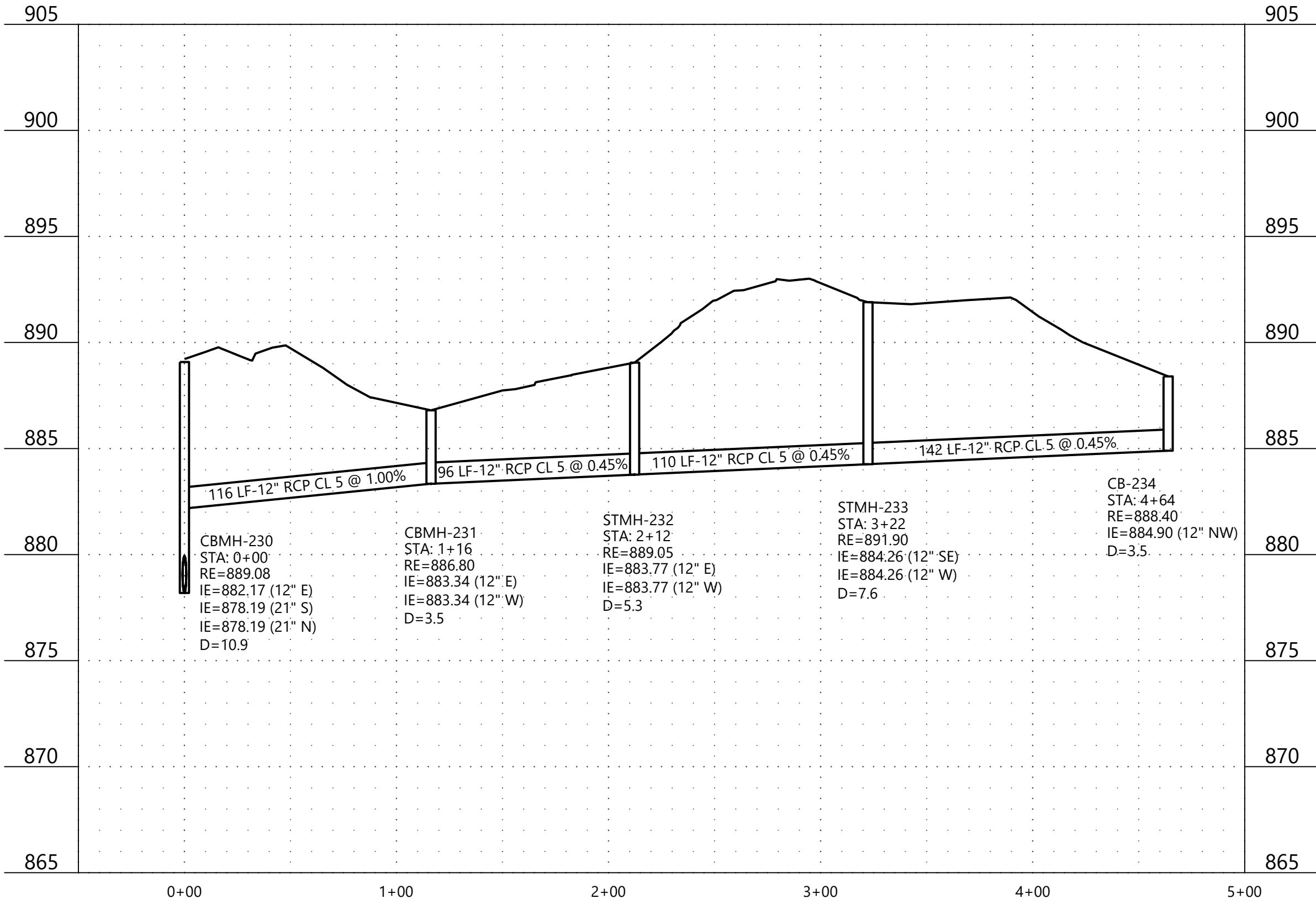




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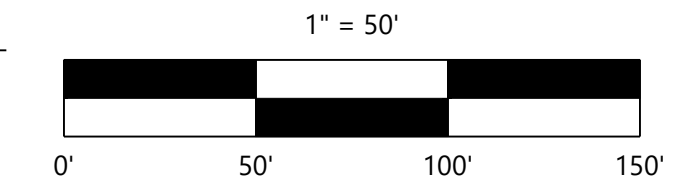
Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance

**LEGEND**

| EXISTING | PROPOSED | GUTTER ELEVATION |
|----------|----------|------------------|
| ✦ 900.00 | ✦ 900.00 |                  |

**GENERAL NOTES**

- RADIUS TO BE B618 CURB & GUTTER WITH 10' TRANSITIONS FROM SURMOUNTABLE CURB & GUTTER.
- ALL RCP SHALL BE CLASS V, UNLESS OTHERWISE NOTED.
- ALL CATCH BASIN CASTINGS IN CURB SHALL BE SUMPED 0.15 FEET. MANHOLE CASTINGS IN PAVED AREAS SHALL BE SUMPED 0.05 FEET. RIM ELEVATIONS SHOWN ON THE PROFILES REFLECT THE SUMPED ELEVATIONS.
- CONTINUOUS 4" PVC ROADWAY DRAINTILE REQUIRED UNDER CURB AND GUTTER.
- CITY OF CHASKA WILL INSTALL STOP SIGNS AND STREET NAME SIGNS.
- COORDINATE CONNECTION TO EXISTING NEIGHBORHOOD STREETS/CONSTRUCTION LIMITS WITH CITY.
- UPON COMPLETION OF PAVING STREETS - REMOVE DRIVEN TYPE III BARRICADES AND POSTS ON CARVER PATH, PATCH STREET AS NEEDED.



CONSTRUCTION PLANS

|                   |           |
|-------------------|-----------|
| DESIGNED:         | FDH II    |
| CHECKED:          | JHB       |
| DRAWN:            | CTY       |
| HORIZONTAL SCALE: | 50'       |
| VERTICAL SCALE:   | 10' OR 5' |

|                |          |
|----------------|----------|
| INITIAL ISSUE: | 03/21/23 |
| REVISIONS:     |          |
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PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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

*John H. Bender*  
**JOHN H. BENDER**  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND ADDITION**

CHASKA, MN

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 [westwoods.com](http://westwoods.com)  
Westwood Professional Services, Inc.

**STORM SEWER CONSTRUCTION PLANS**

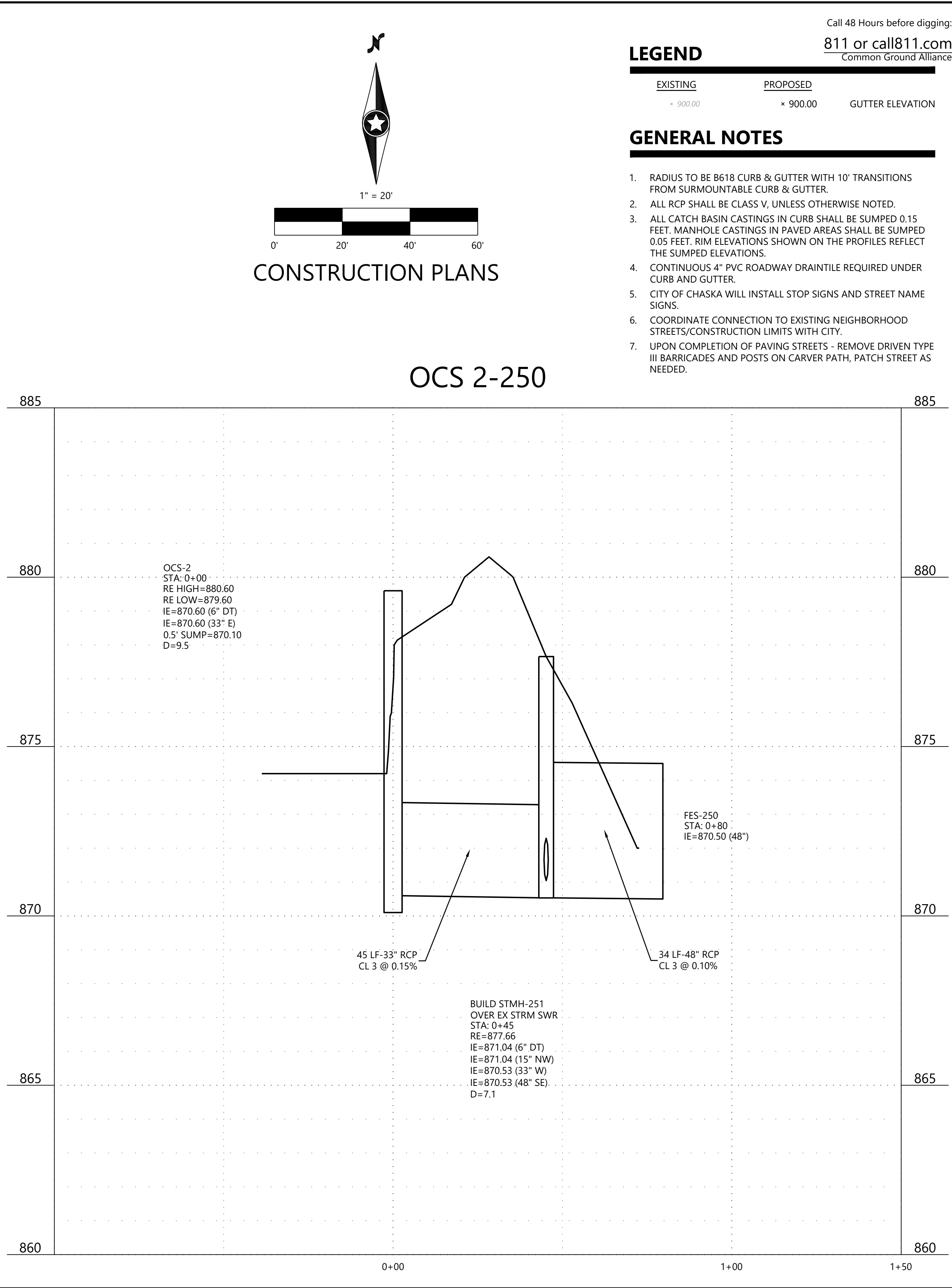
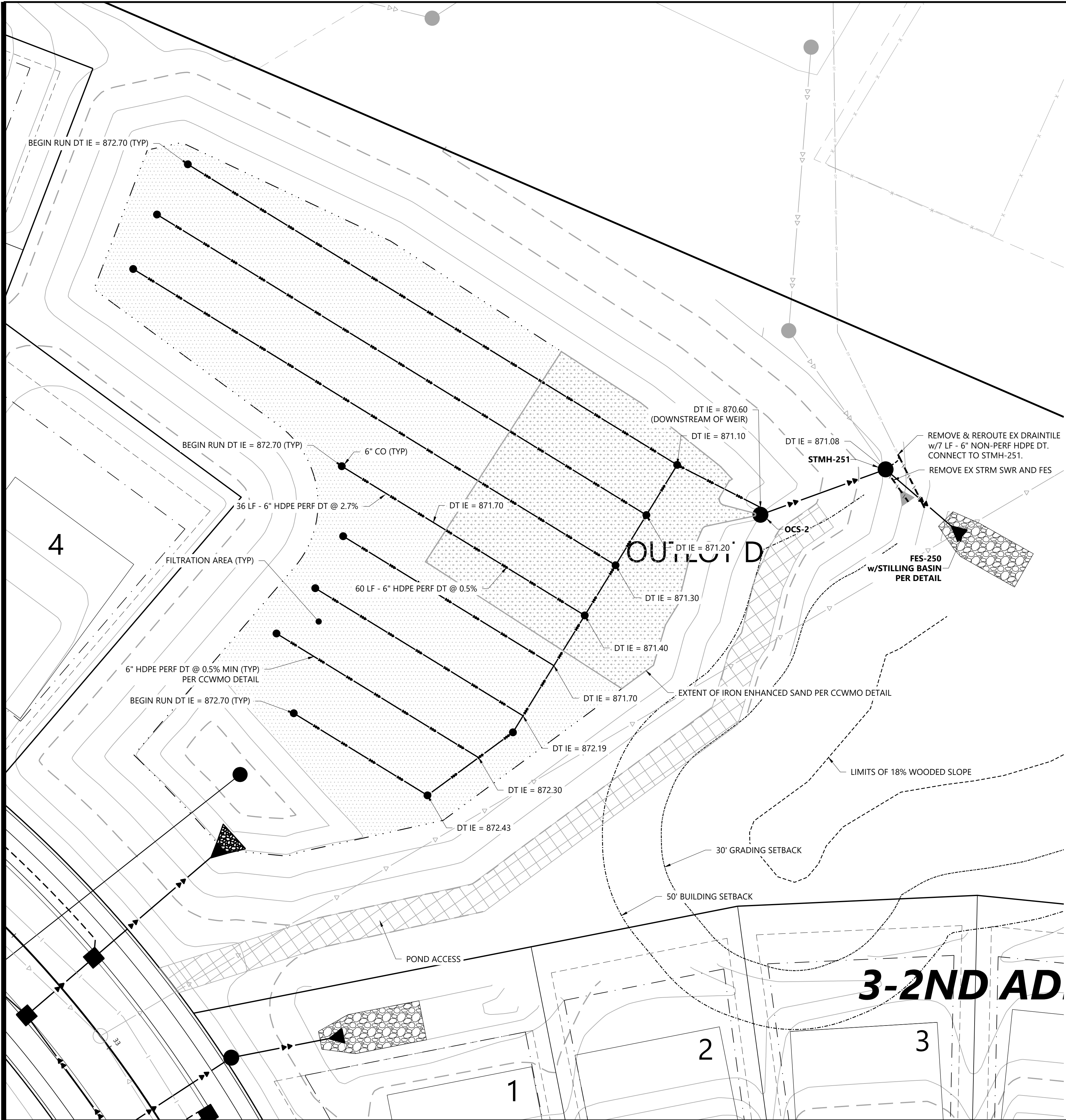
PROJECT NUMBER: 0027067.02

SHEET NUMBER:

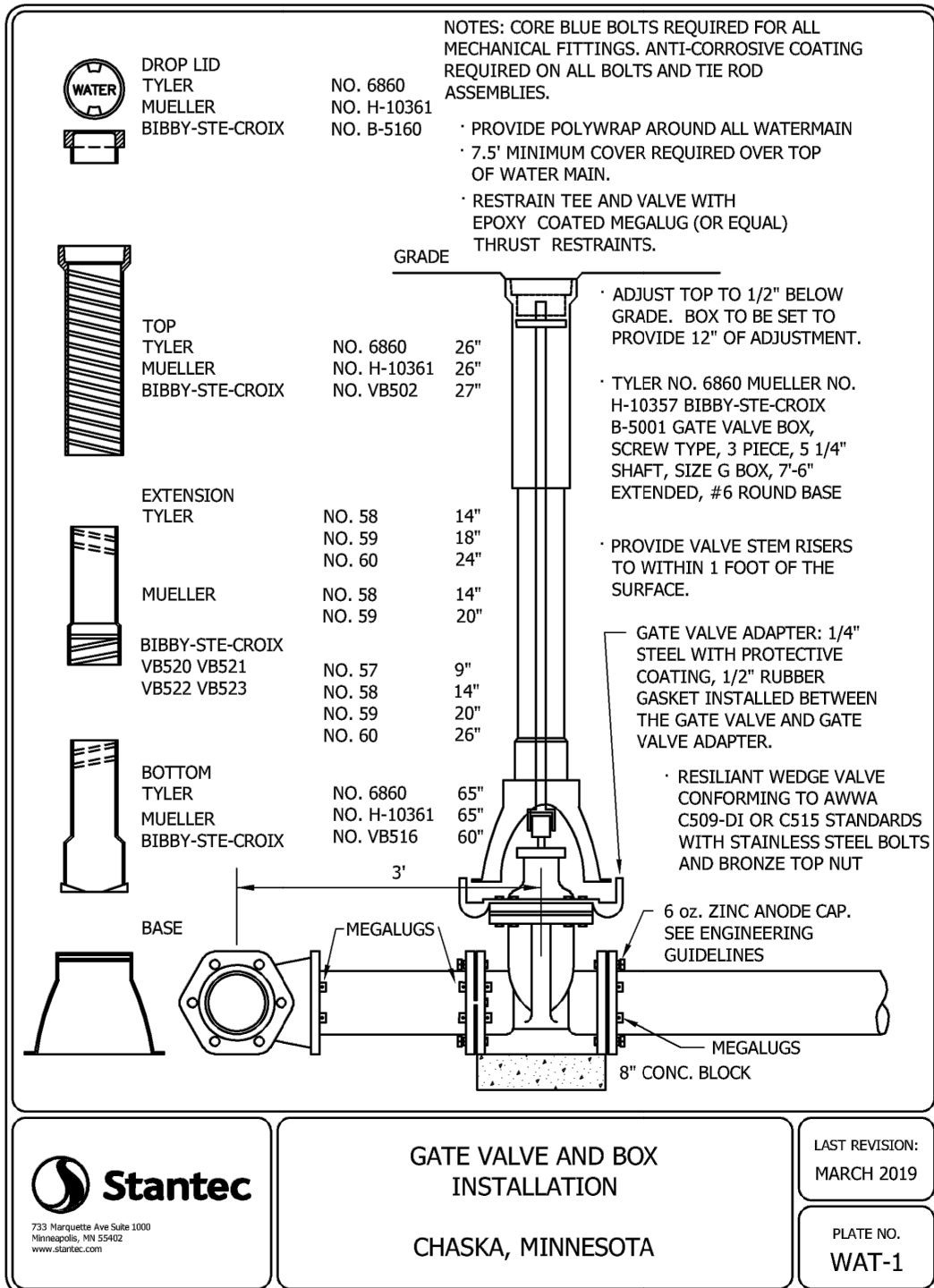
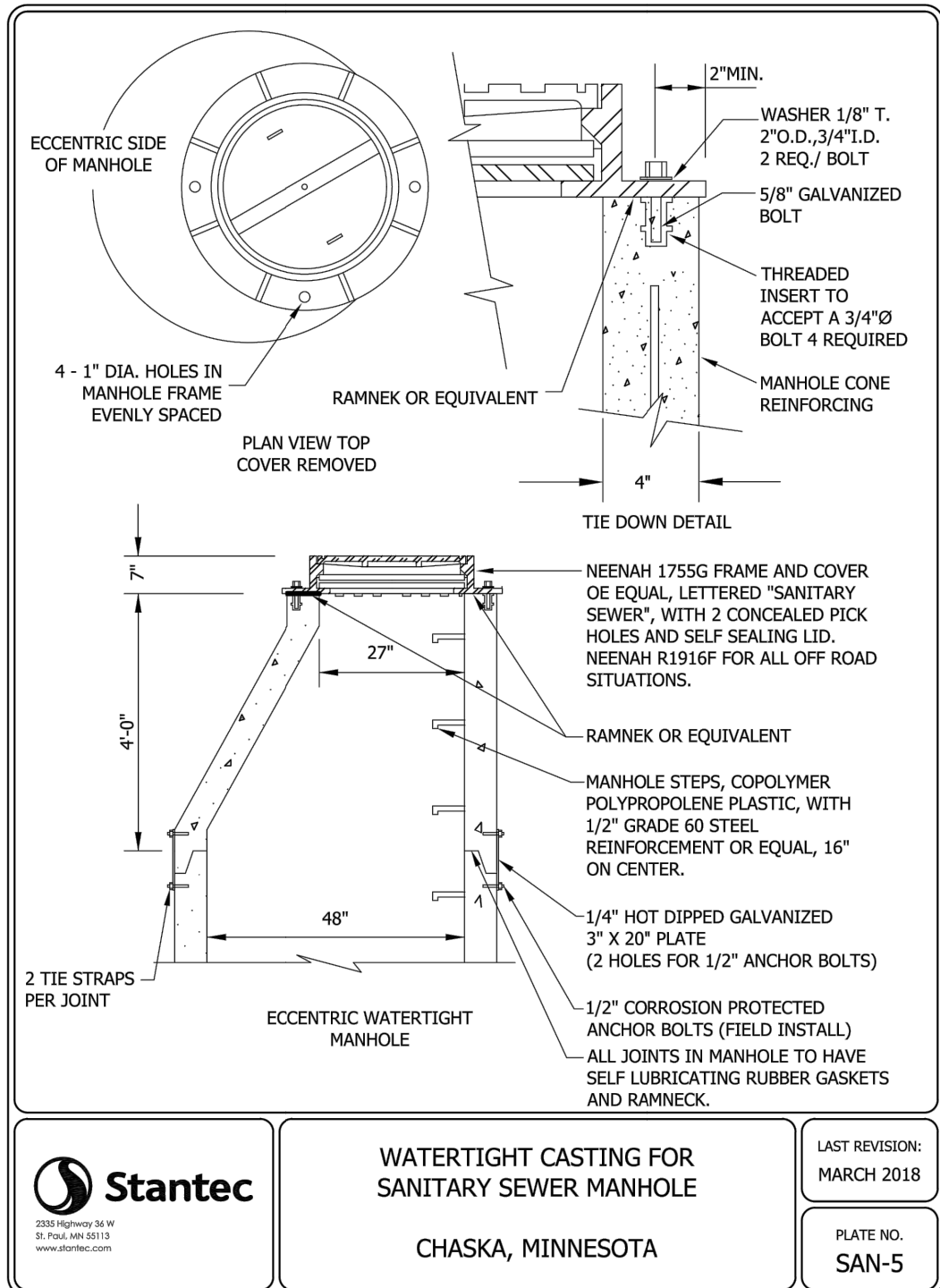
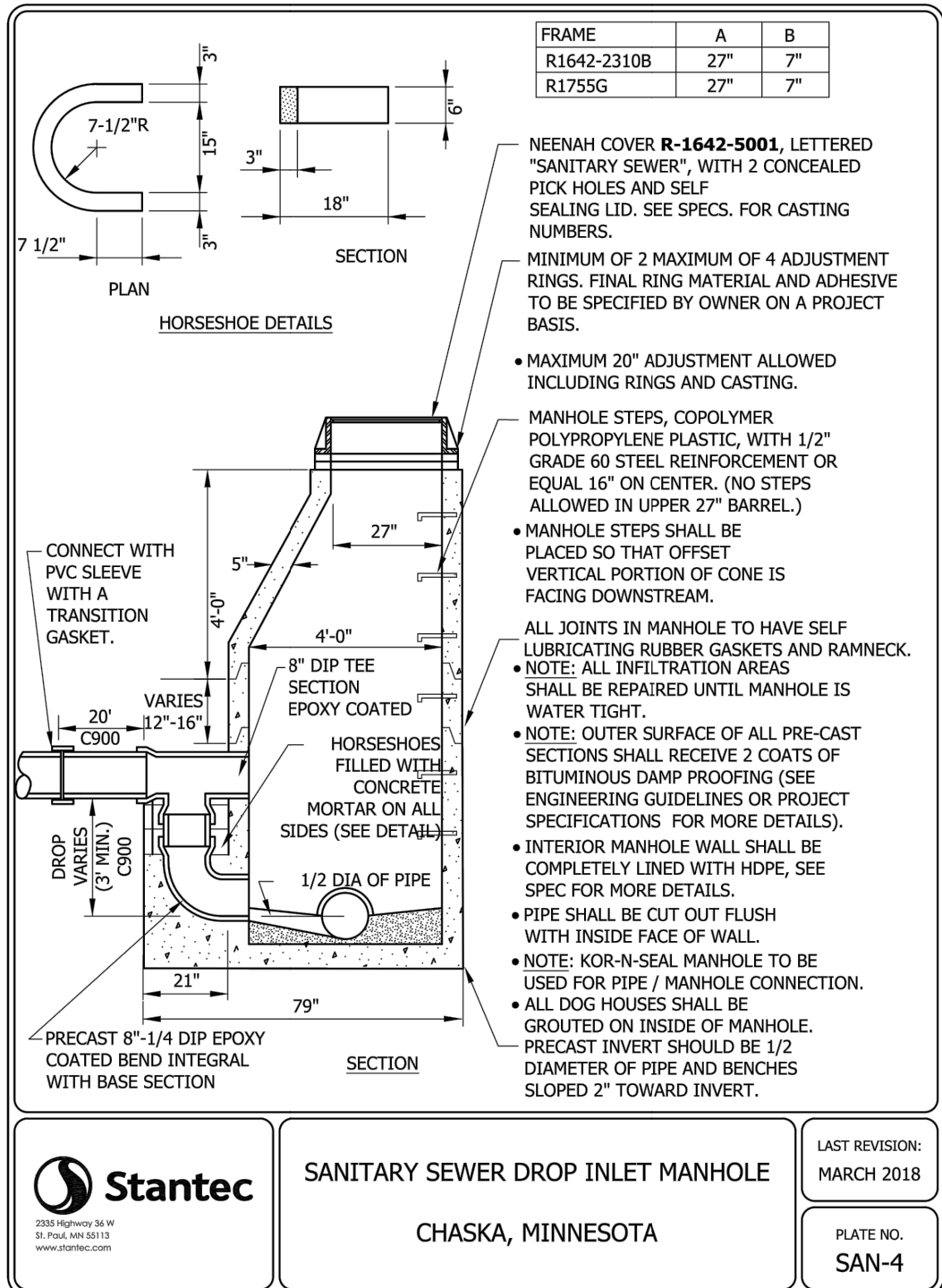
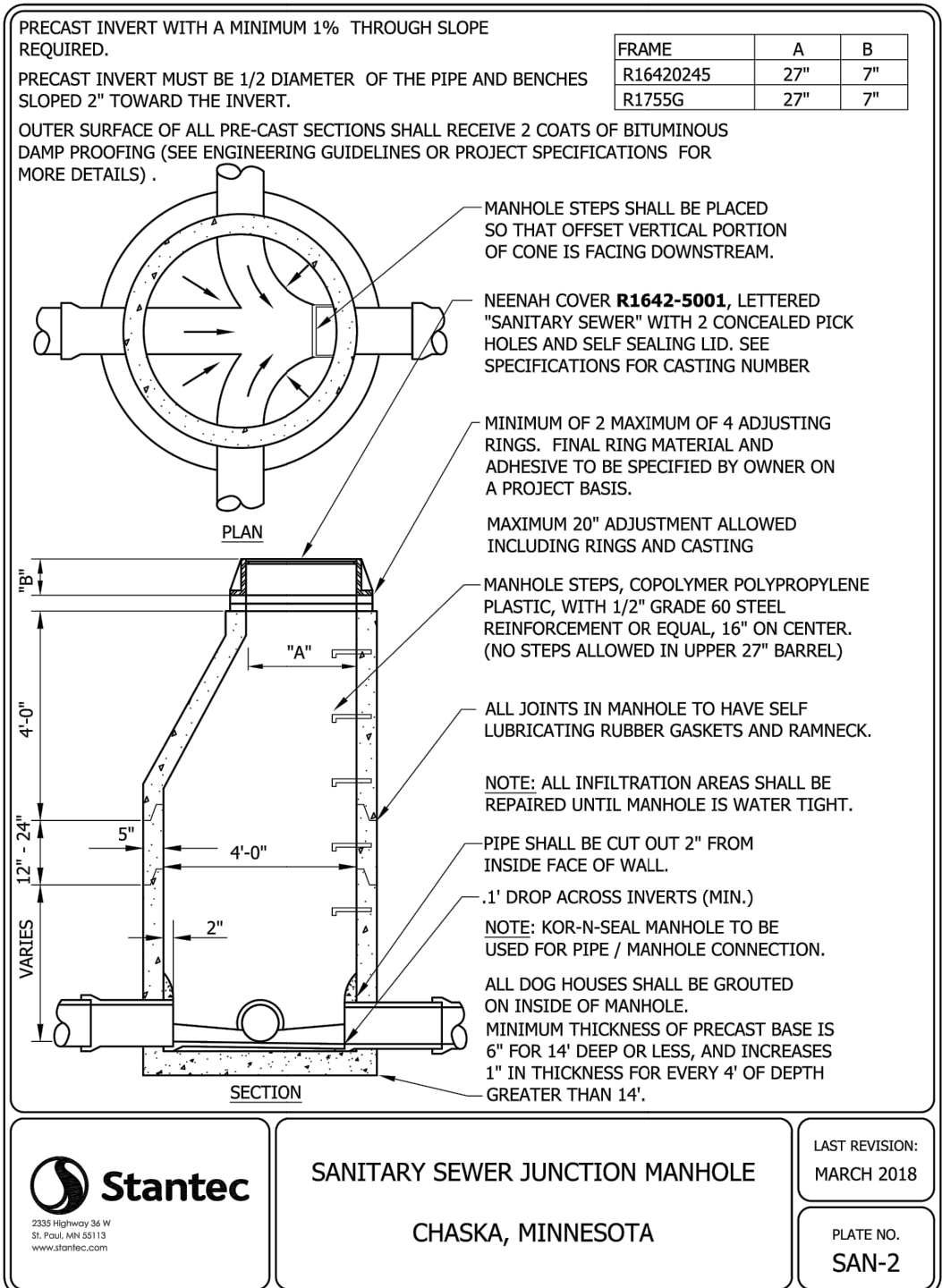
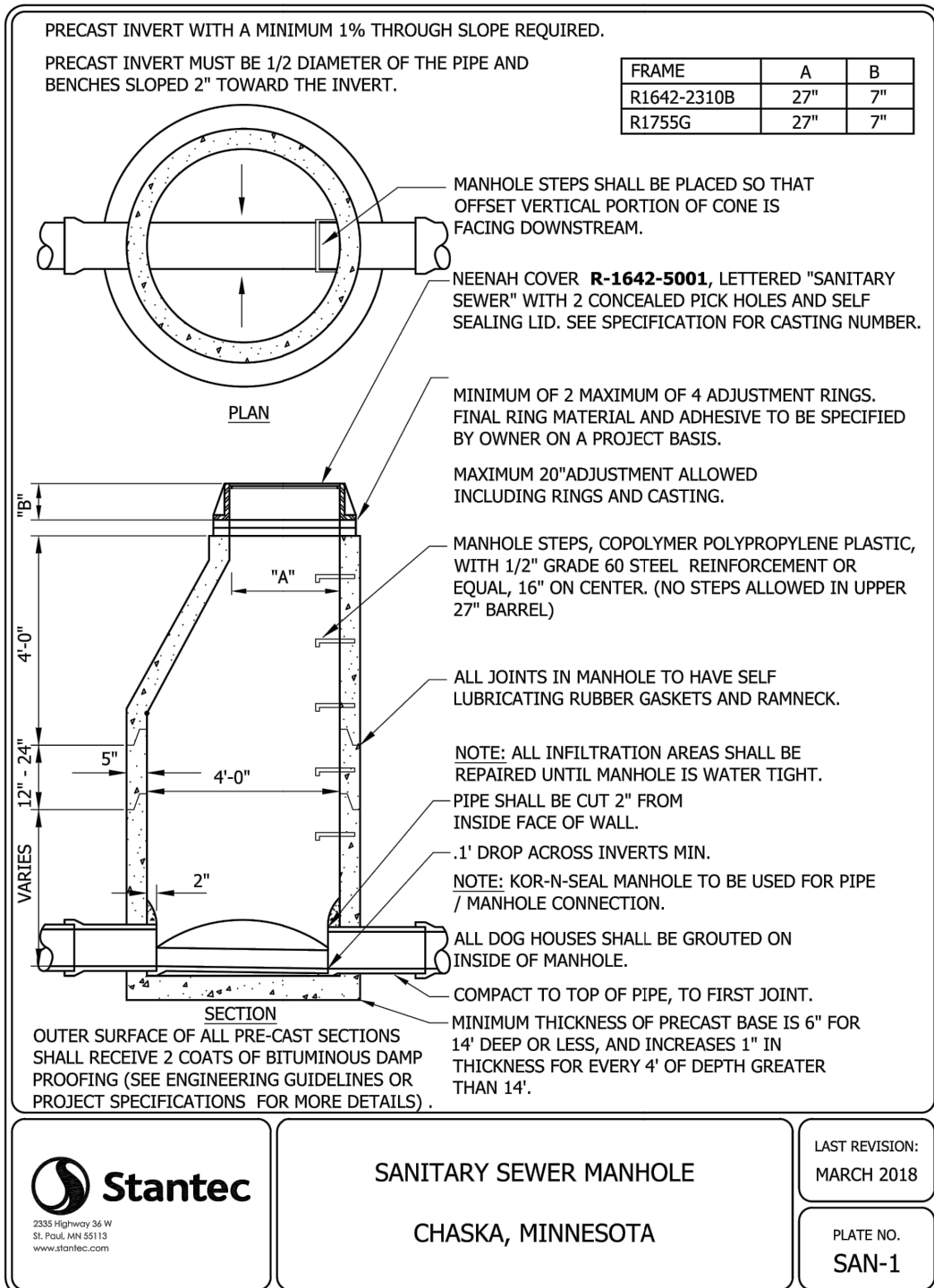
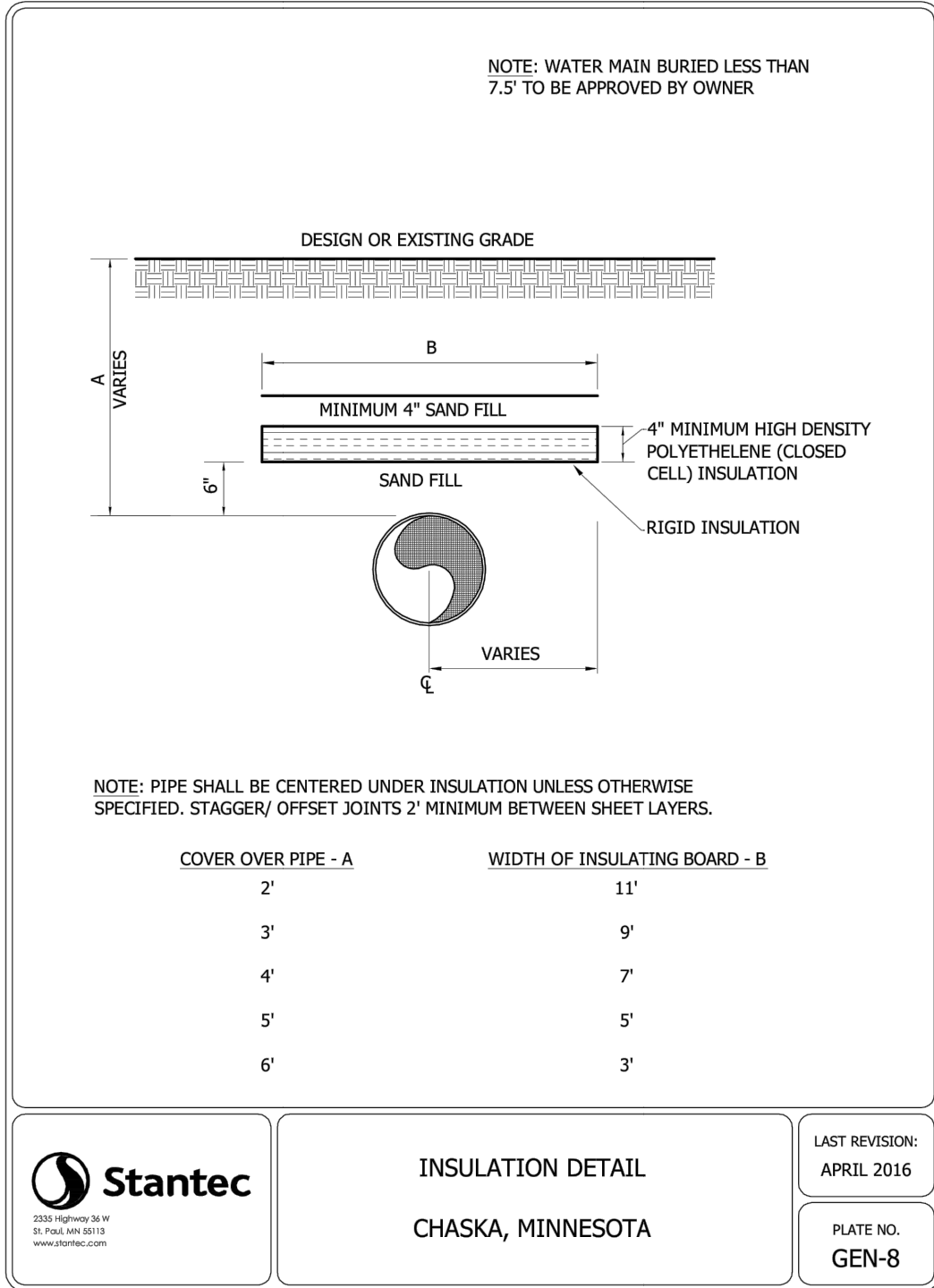
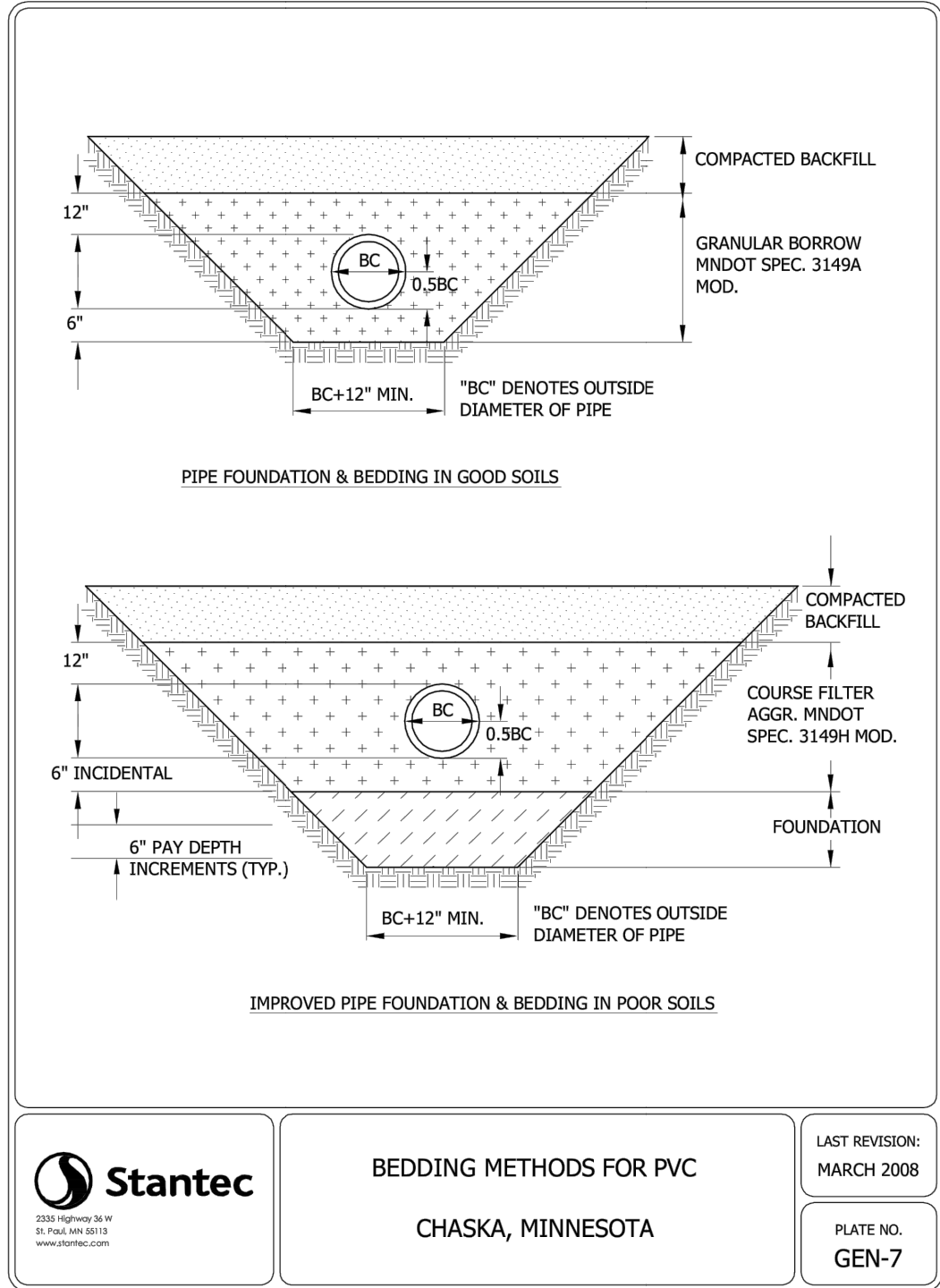
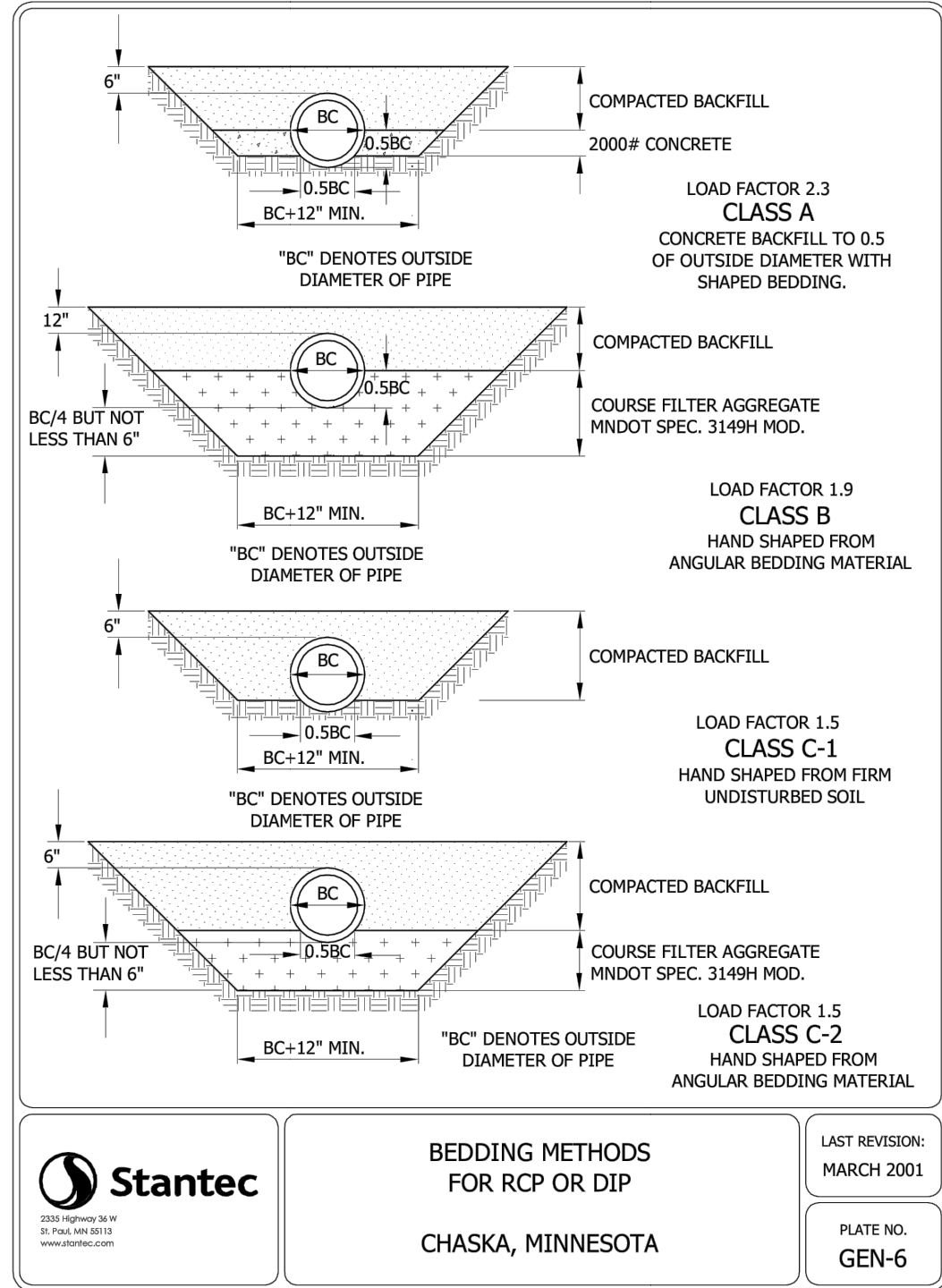
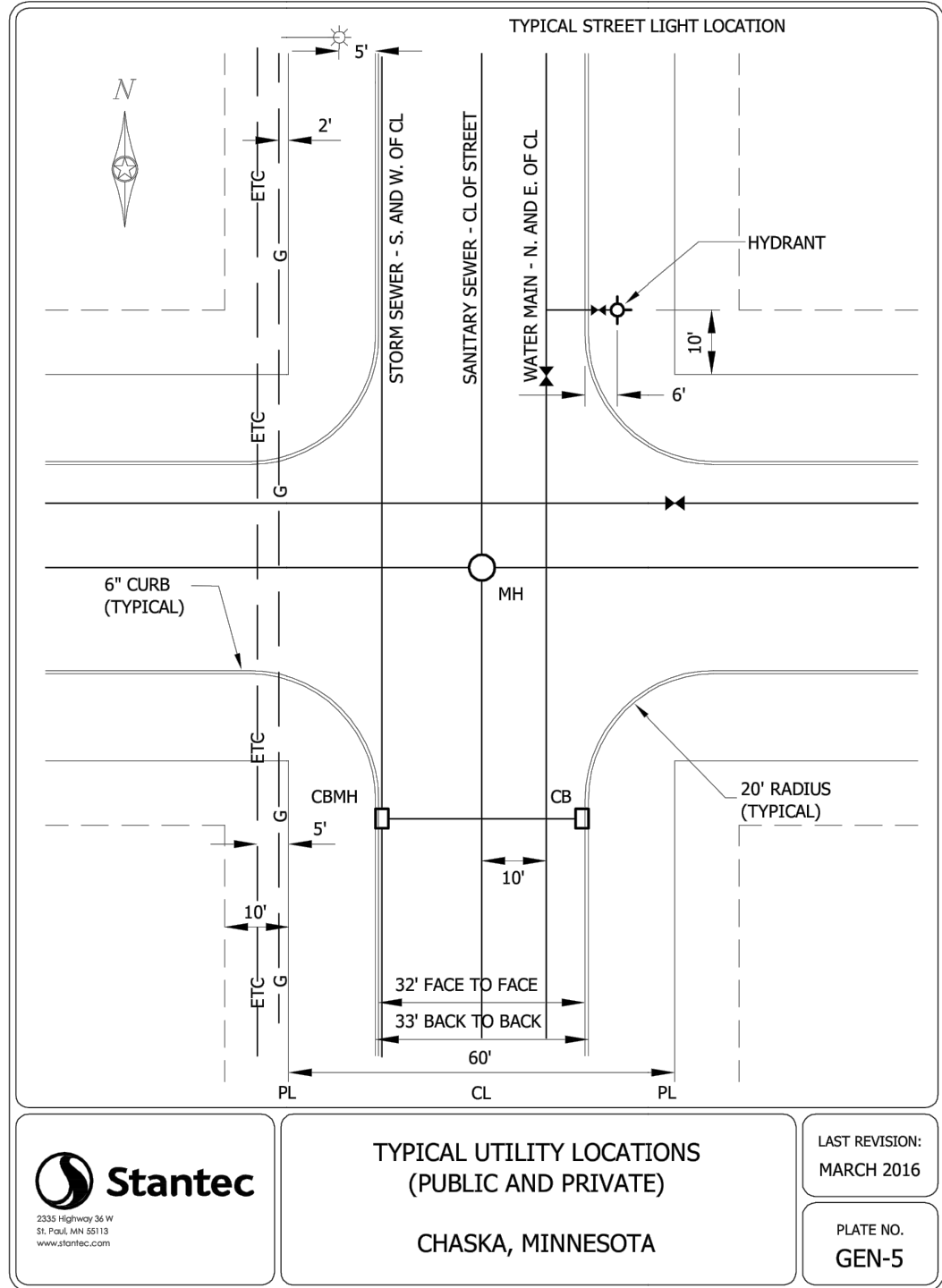
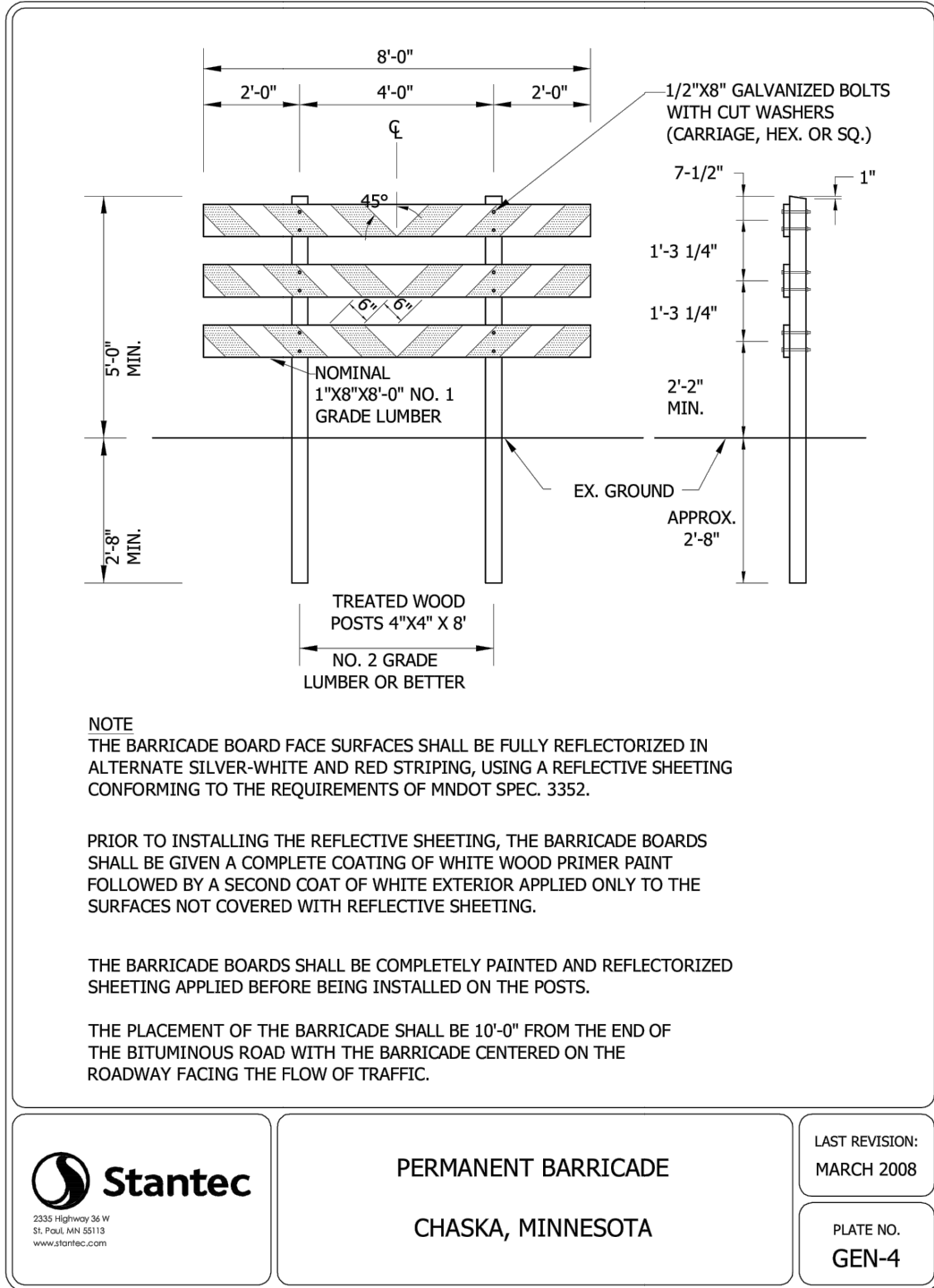
**12** OF **22**

DATE: 03/21/23









DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: ###  
VERTICAL SCALE: ## OR ##

INITIAL ISSUE: 03/21/23  
REVISIONS:  
1. 03/21/23  
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8. 03/21/23  
9. 03/21/23  
10. 03/21/23

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

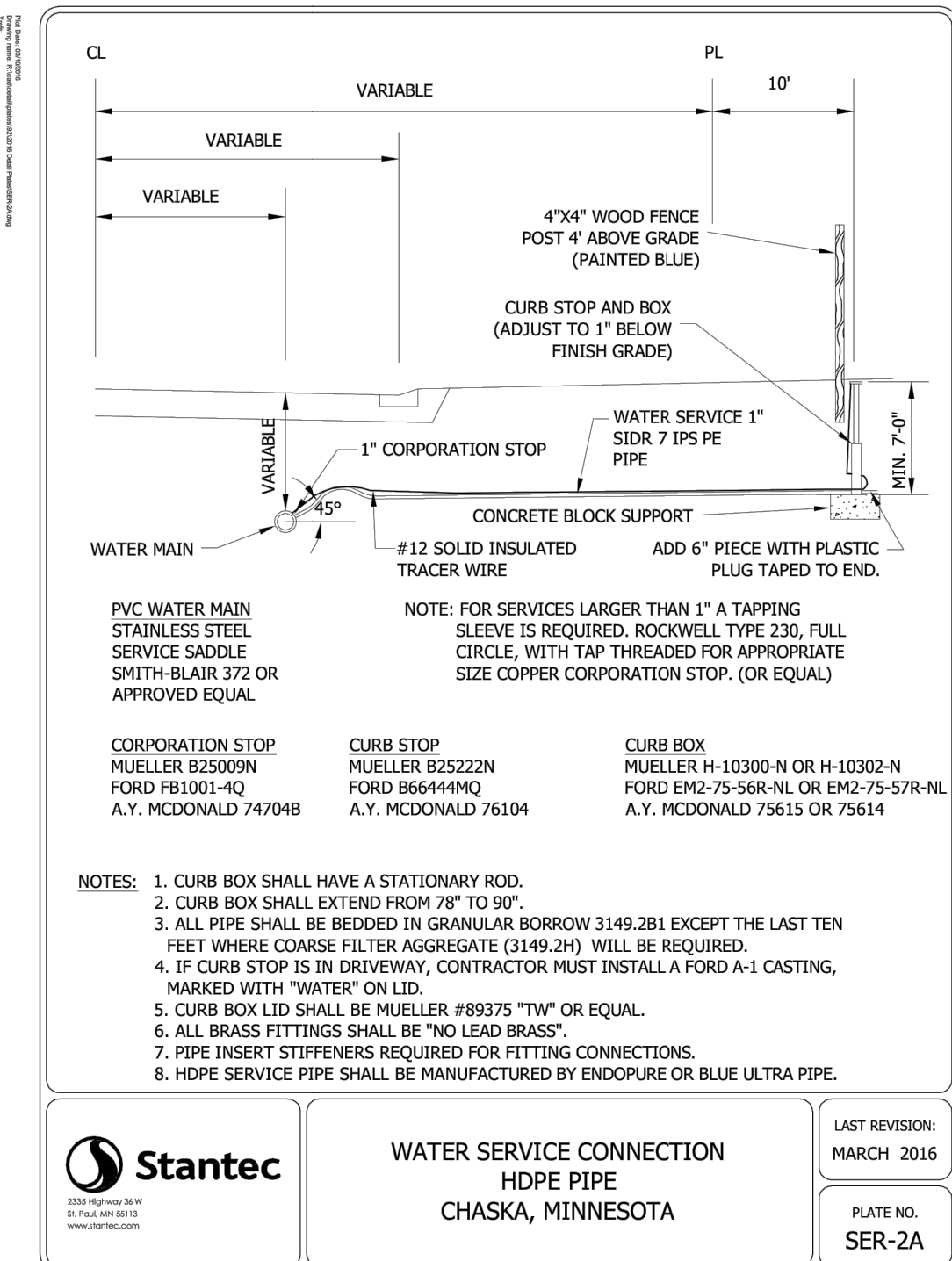
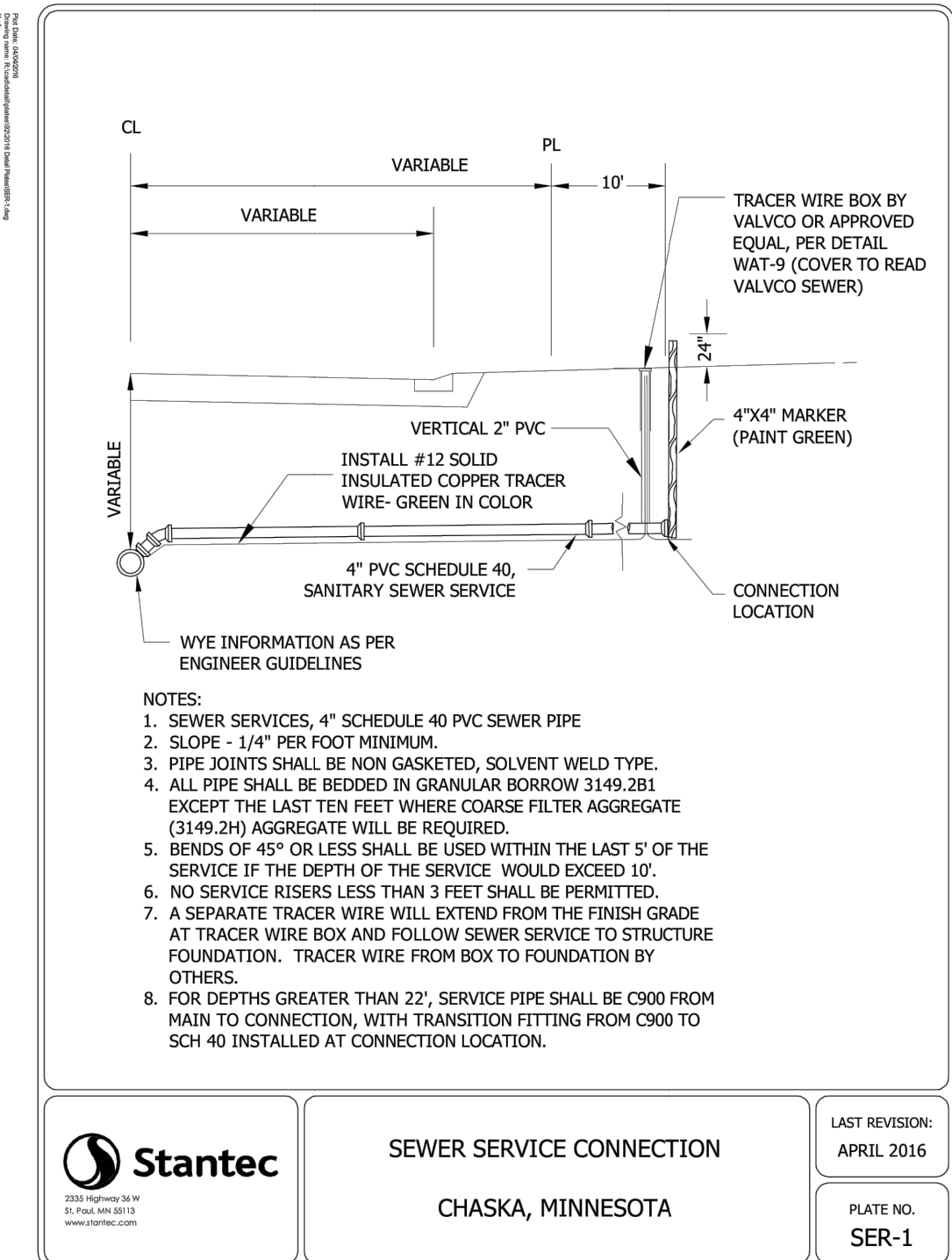
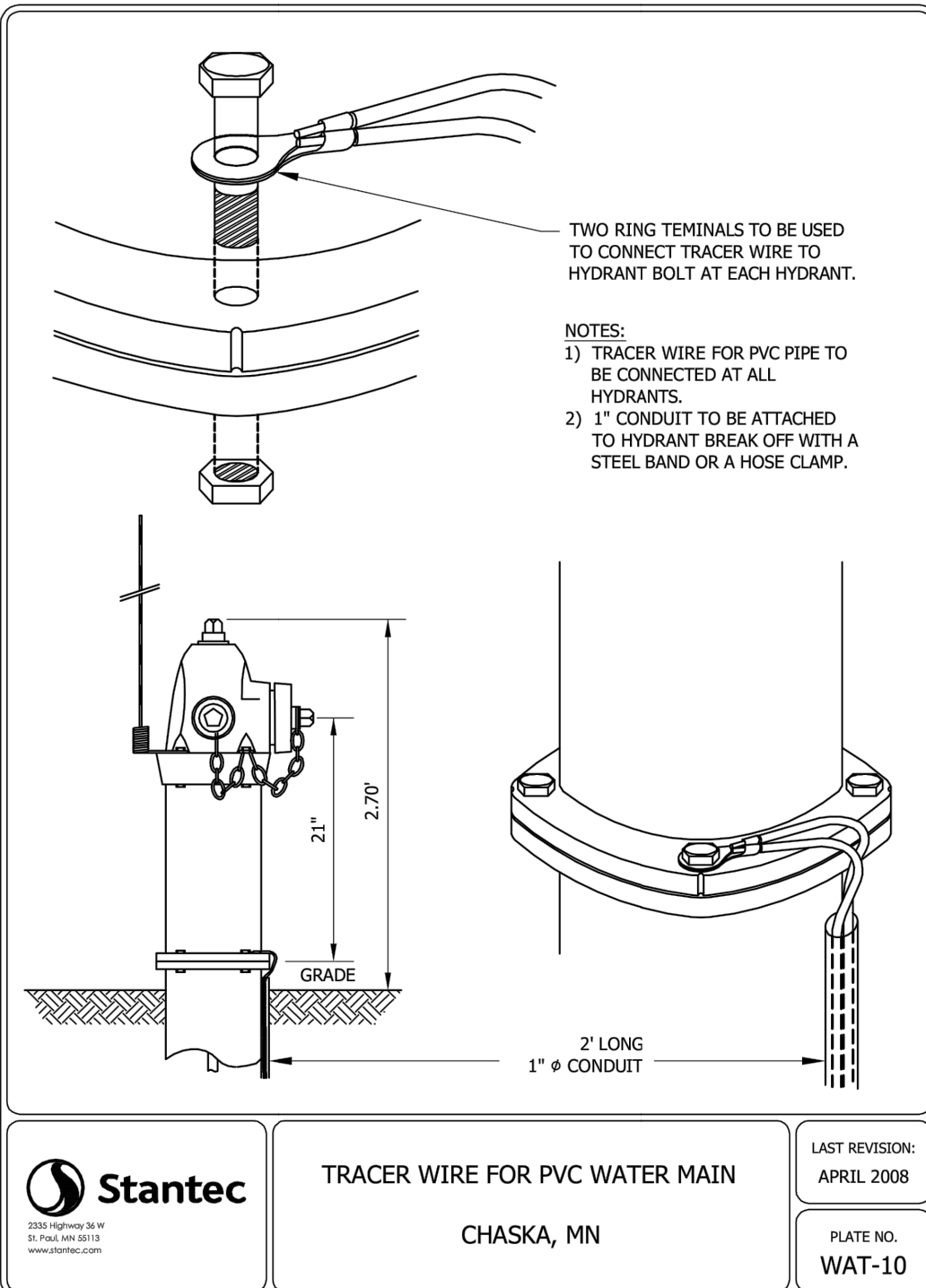
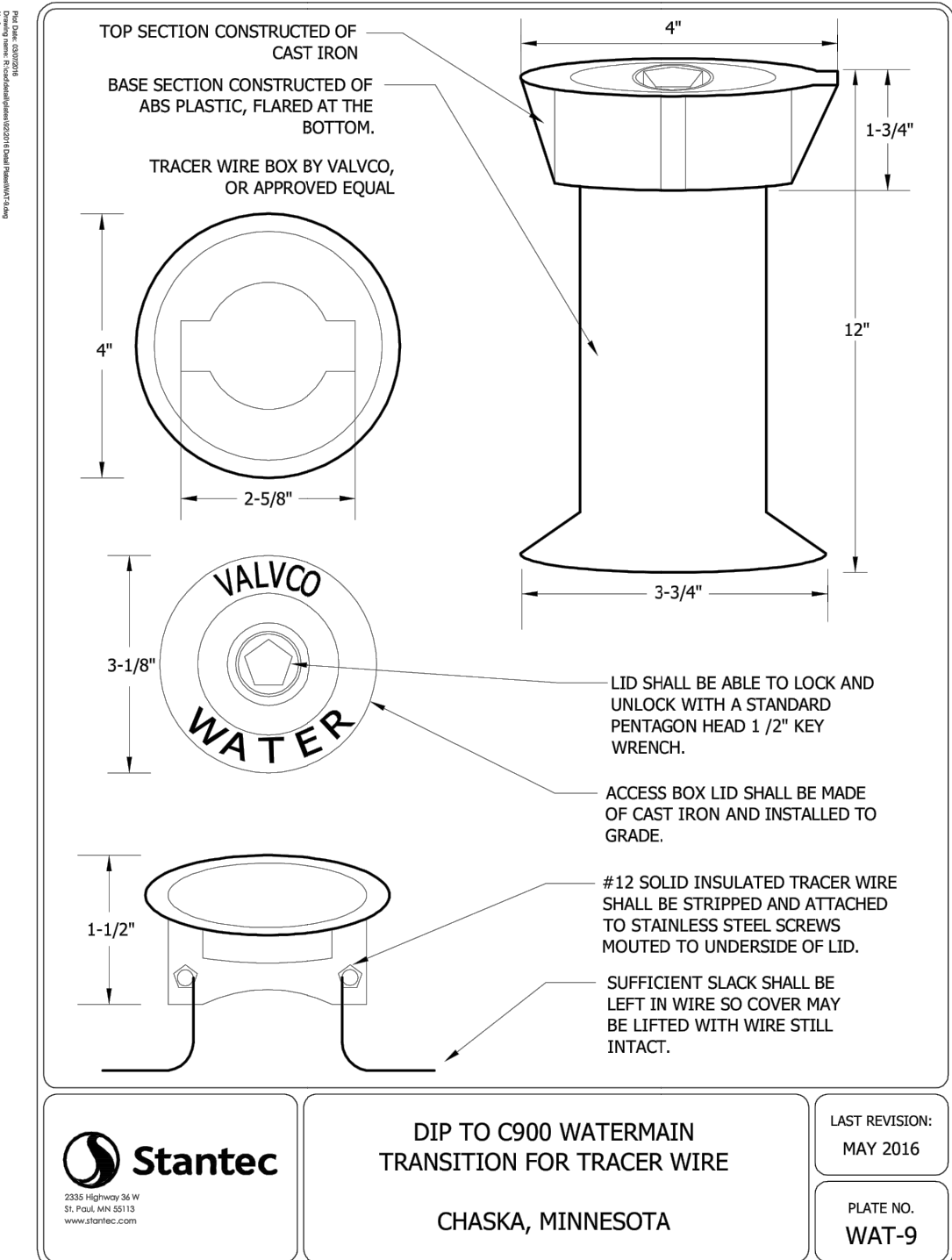
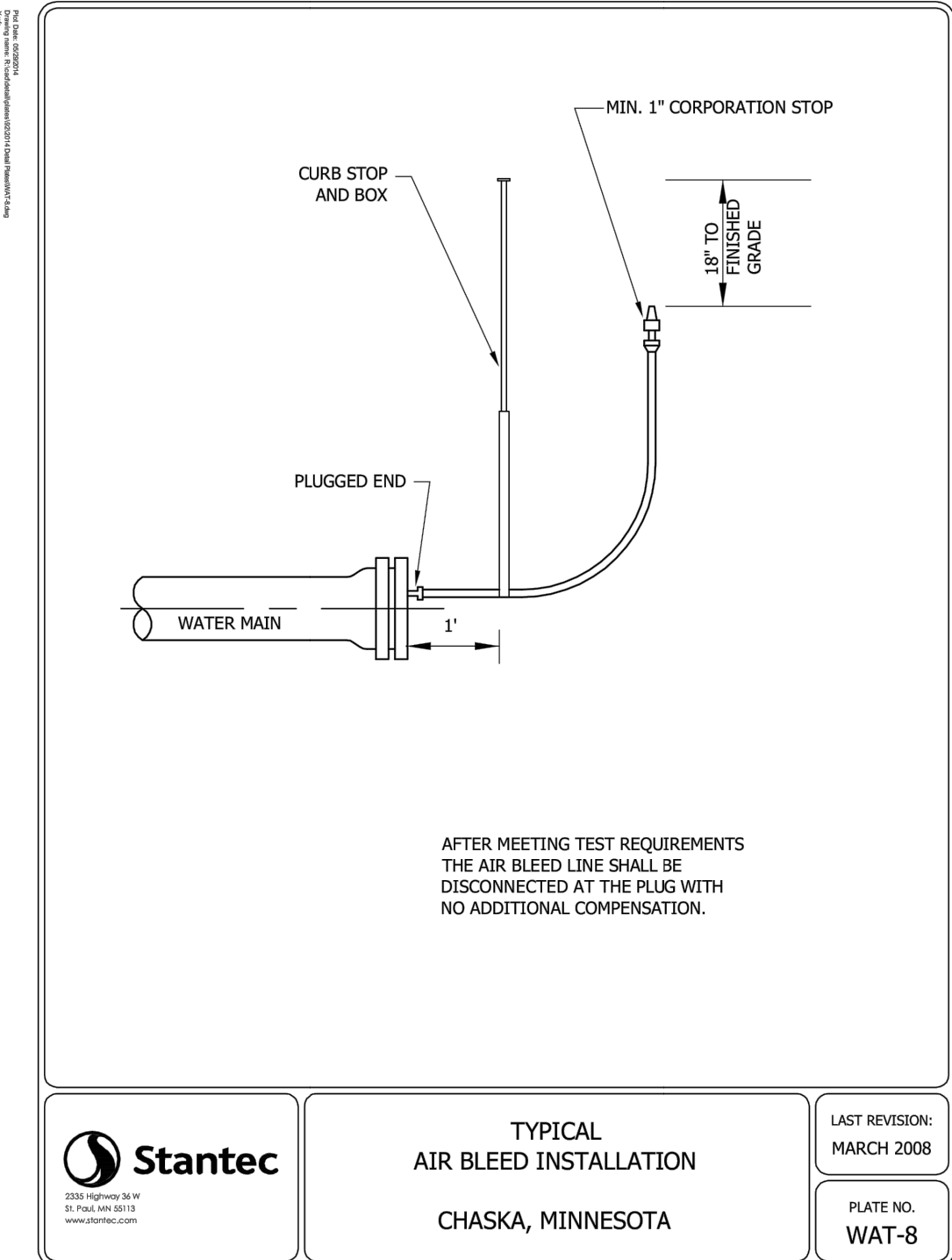
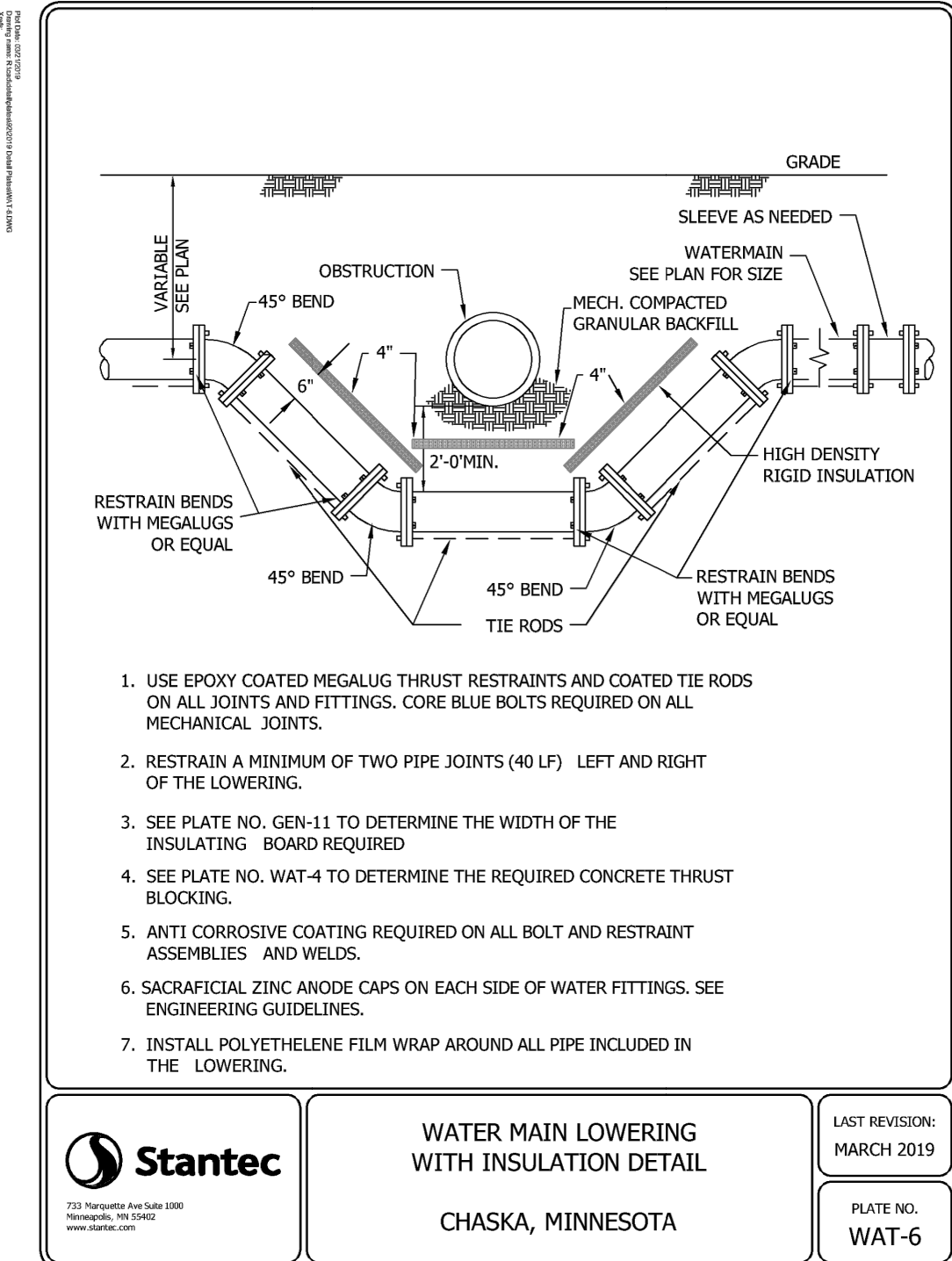
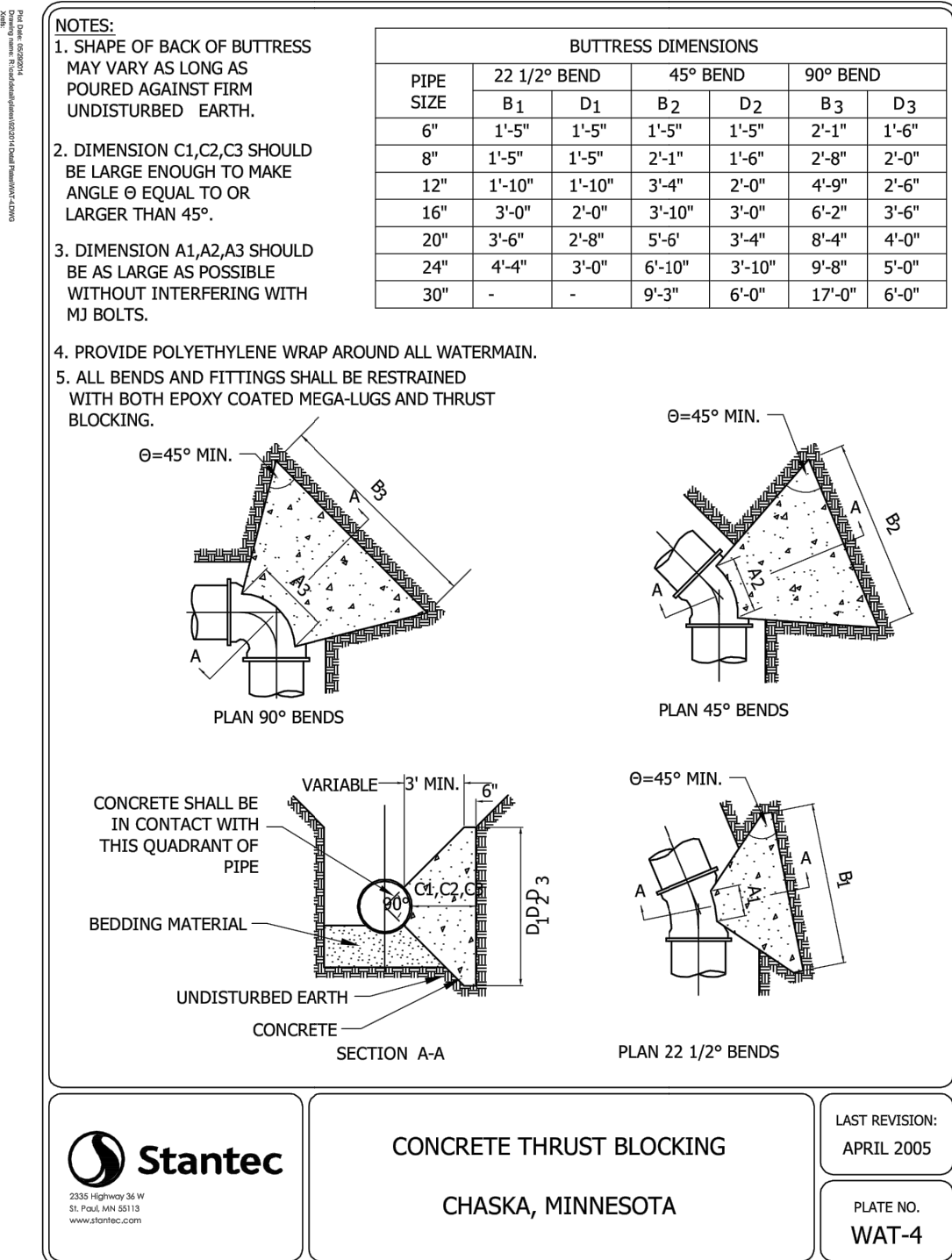
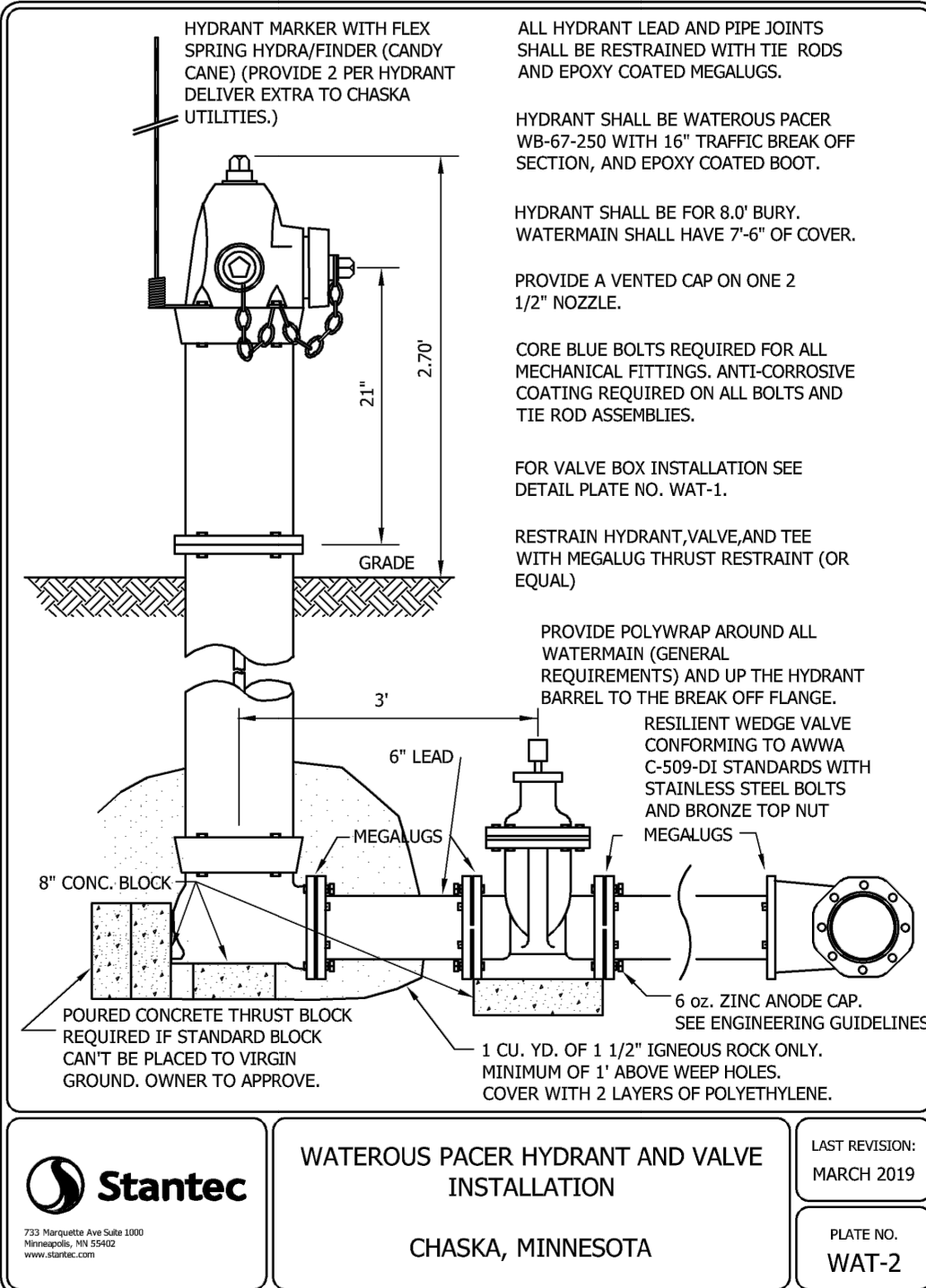
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME  
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DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS  
OF THE STATE OF MINNESOTA  
**JOHN H. BENDER**  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND  
ADDITION**  
CHASKA, MN

**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minneapolis, MN 55433  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

SHEET NUMBER:  
**14** OF **22**  
DETAILS  
PROJECT NUMBER: 0027067.02 DATE: 03/21/23





DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: ###  
VERTICAL SCALE: ### OR ##

INITIAL ISSUE: 03/21/23  
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PREPARED FOR:

DR HORTON, INC. - MINNESOTA

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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

JOHN H. BENDER

DATE: 03/21/23 LICENSE NO. 43358

RIVERTOWN HEIGHTS 2ND ADDITION

CHASKA, MN

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Fax (952) 937-5822 Minneapolis, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

DETAILS

PROJECT NUMBER: 0027067.02

SHEET NUMBER:

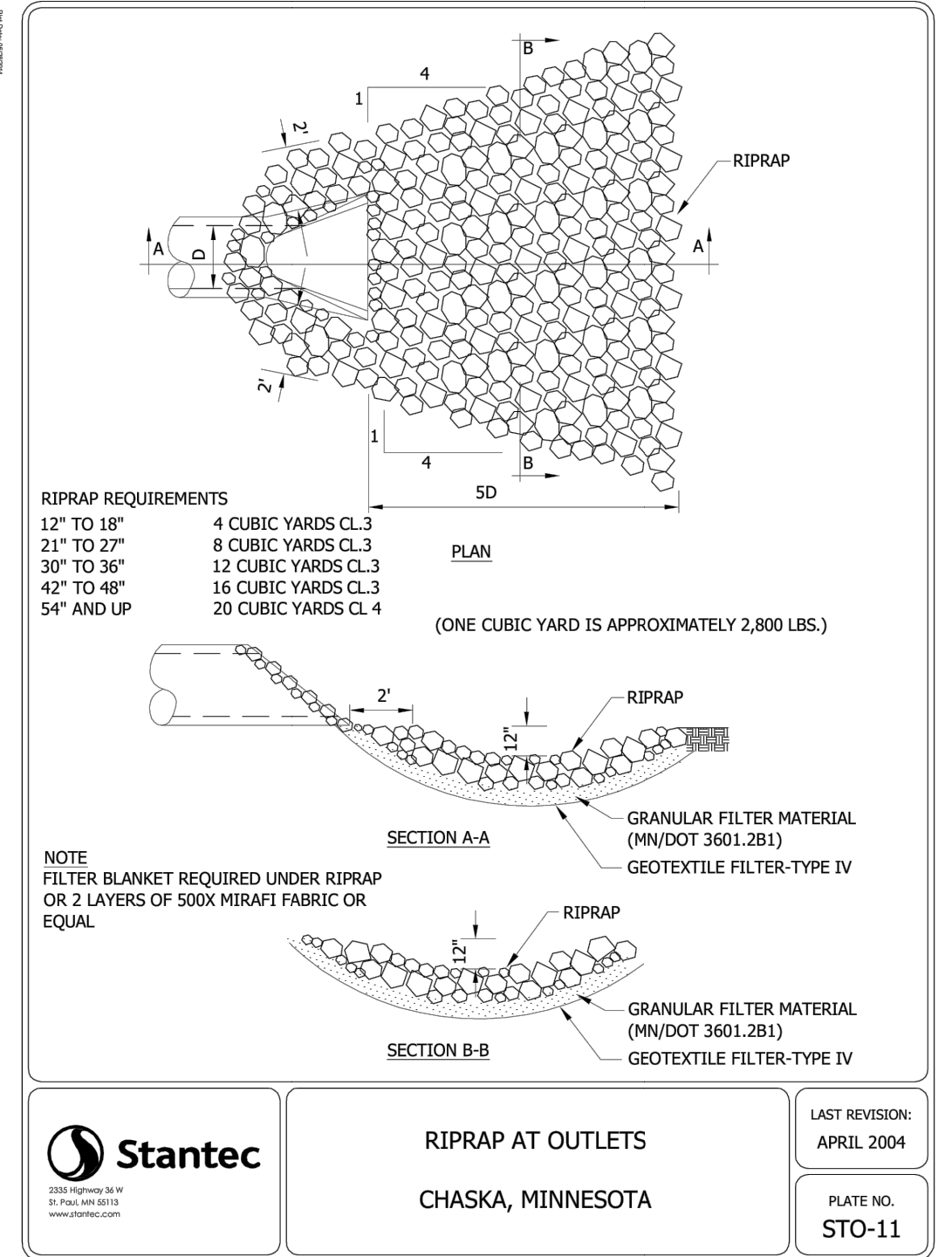
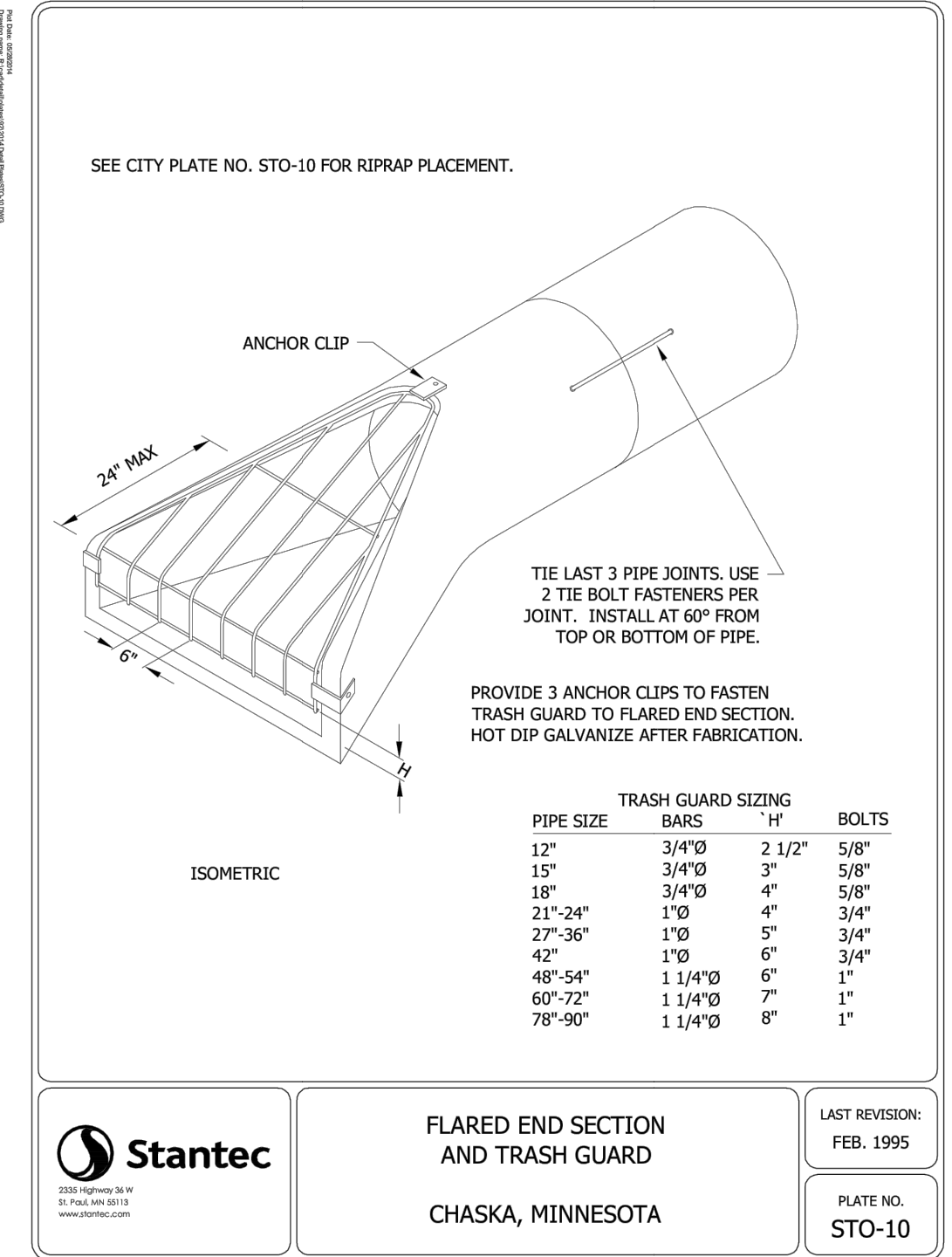
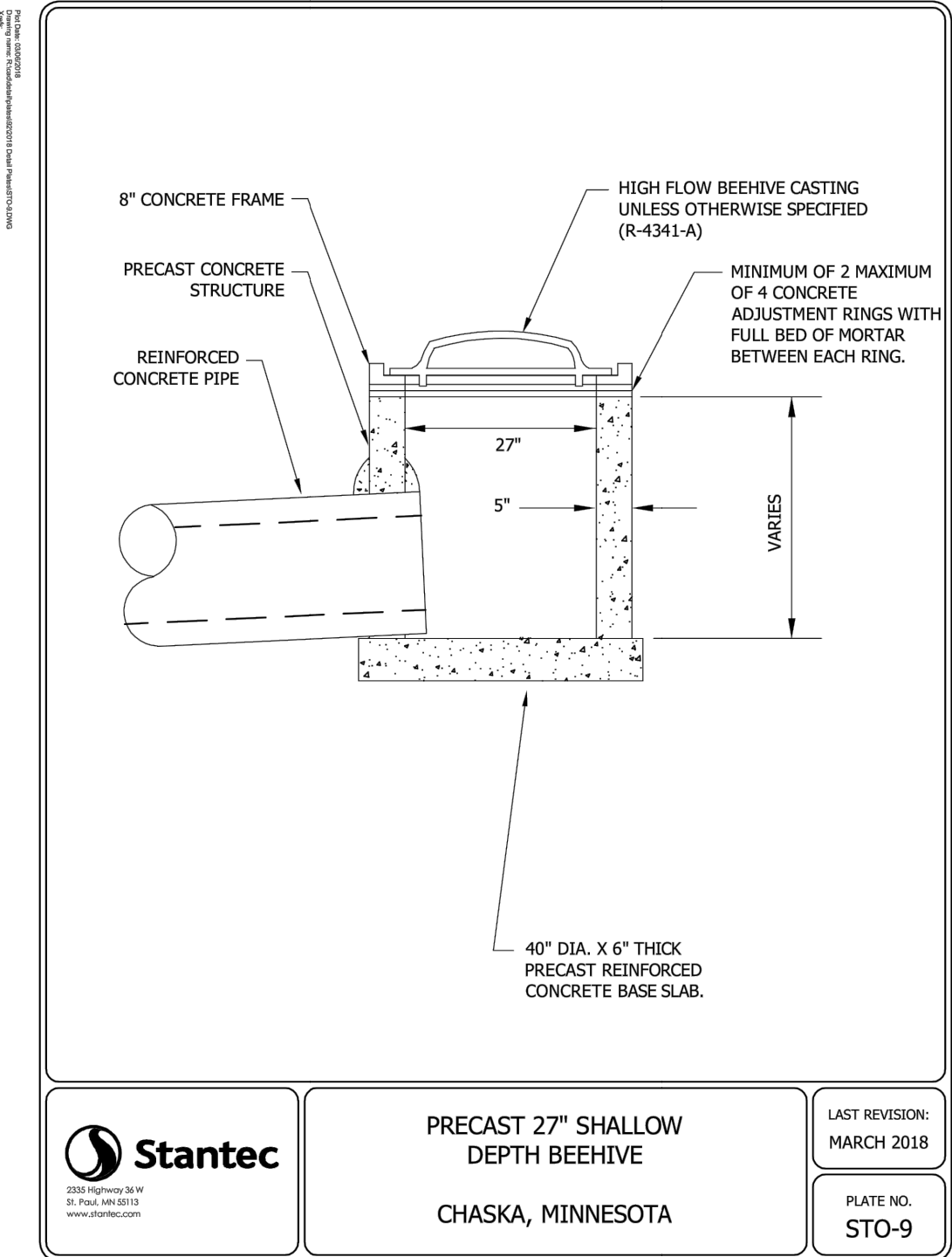
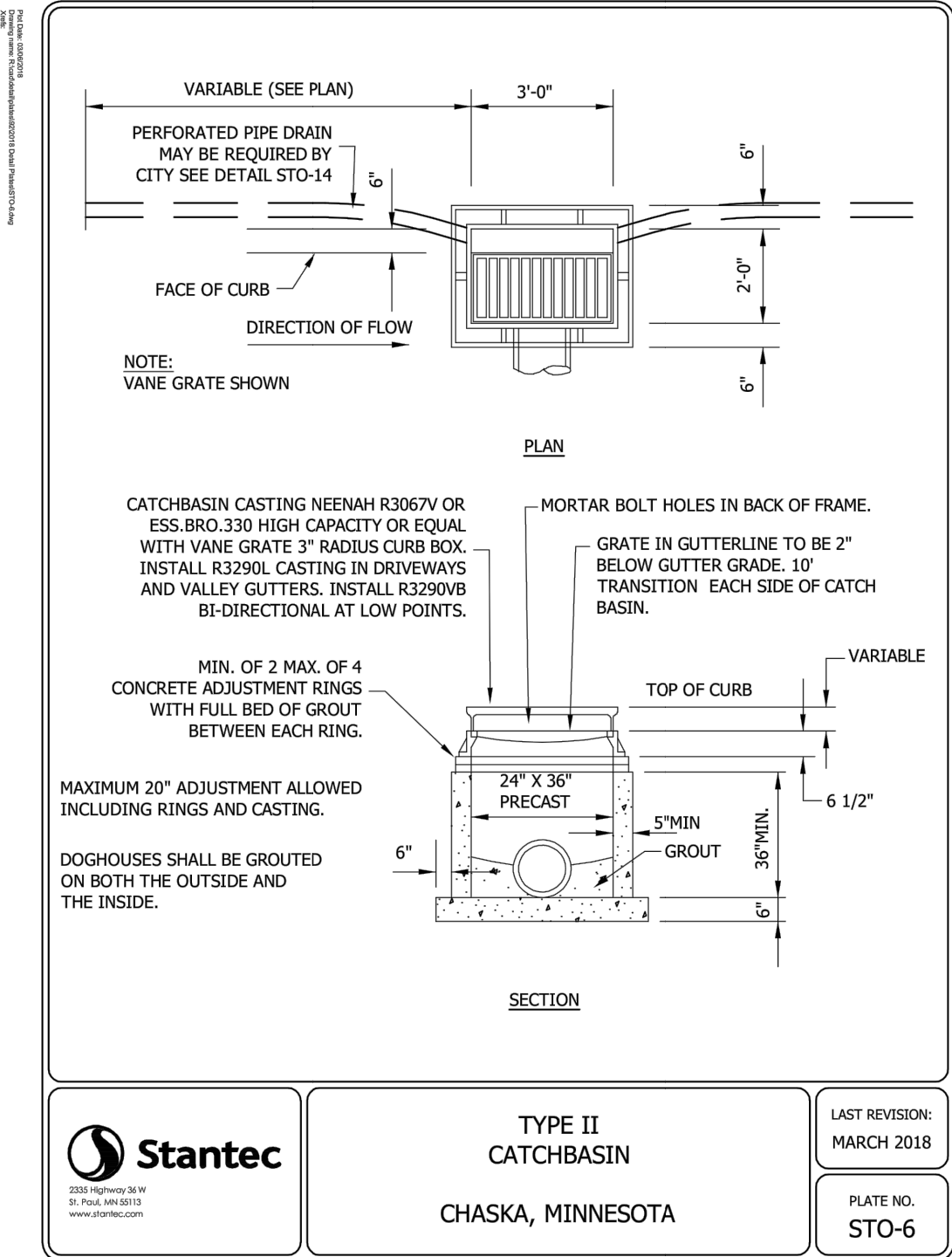
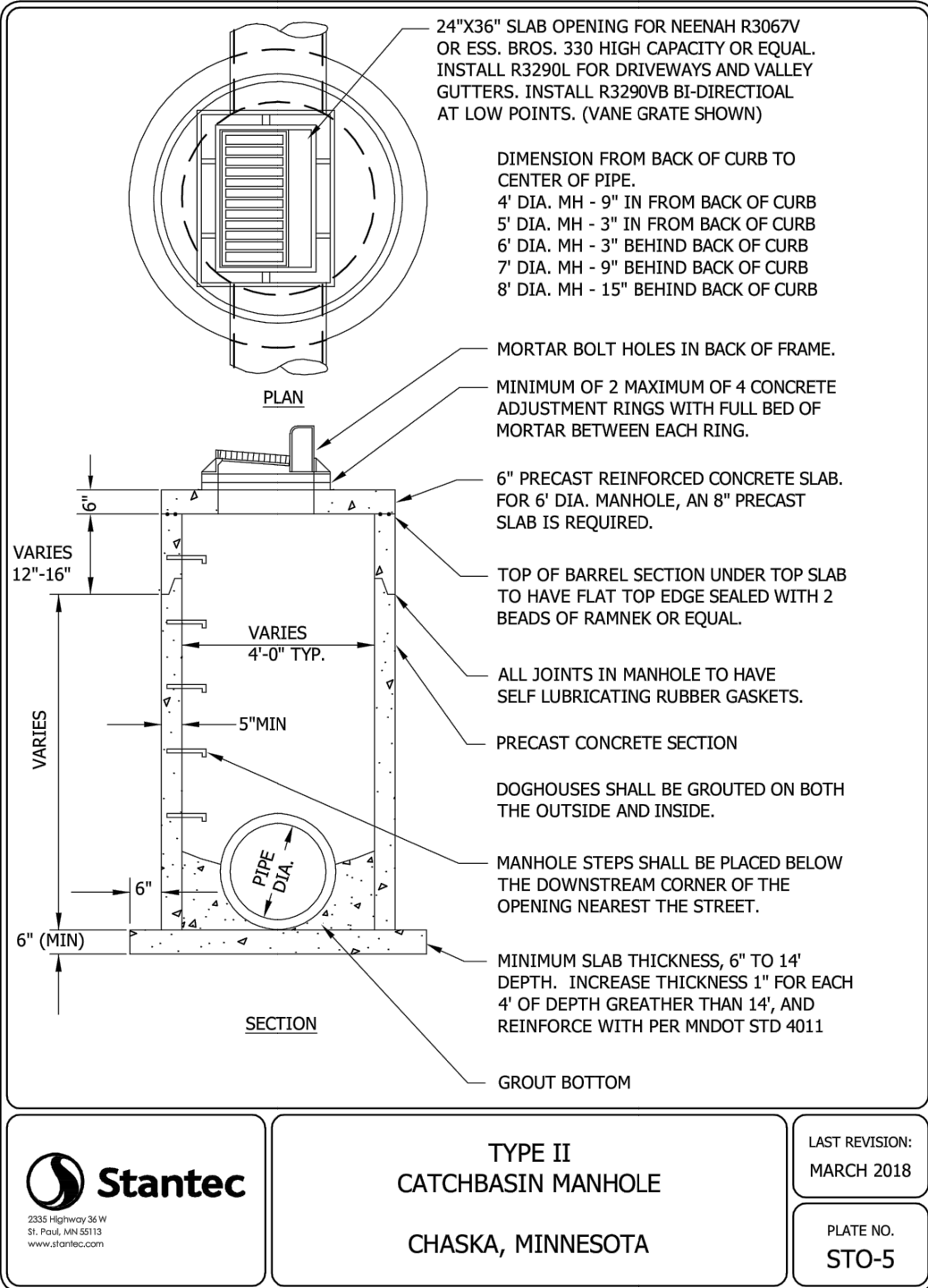
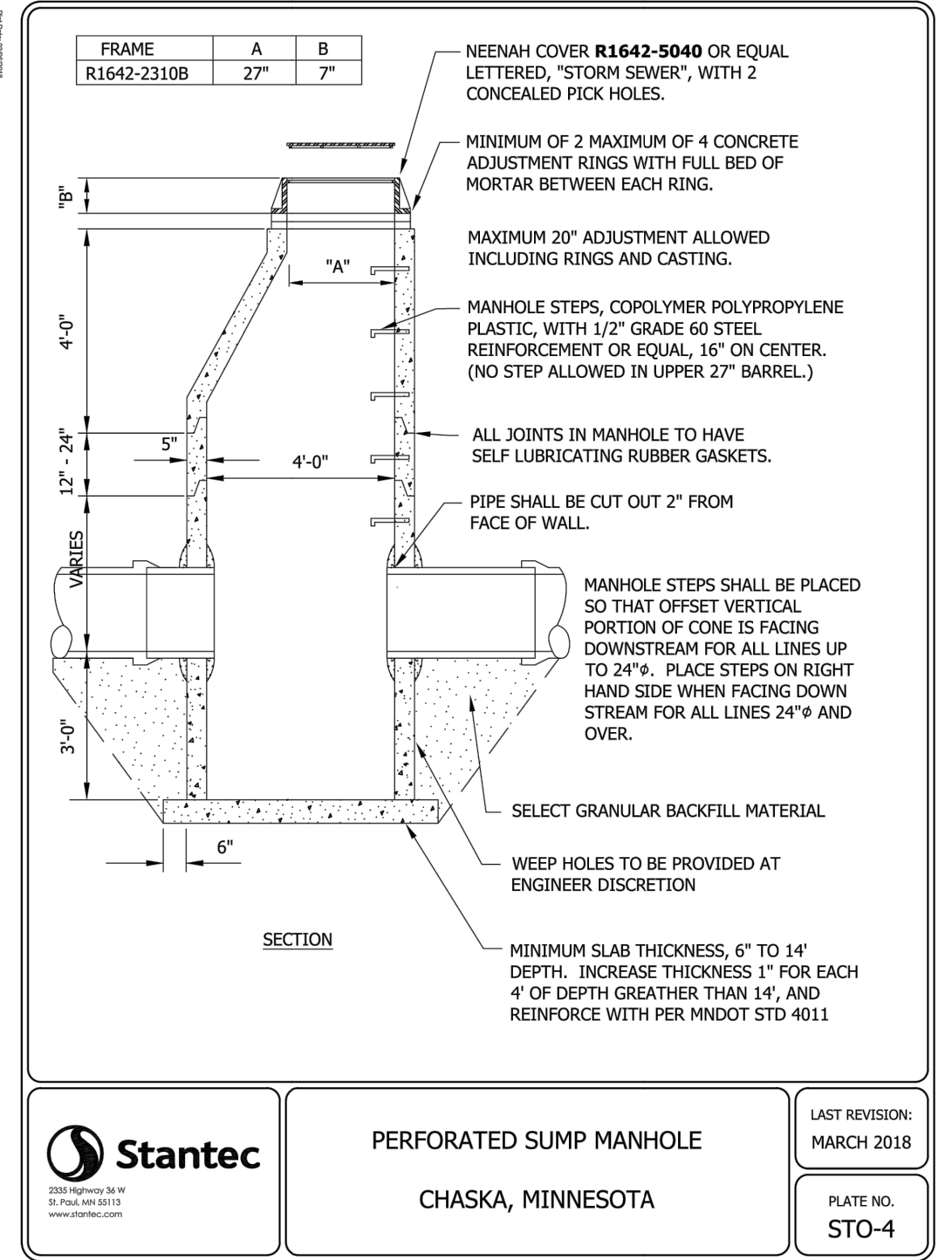
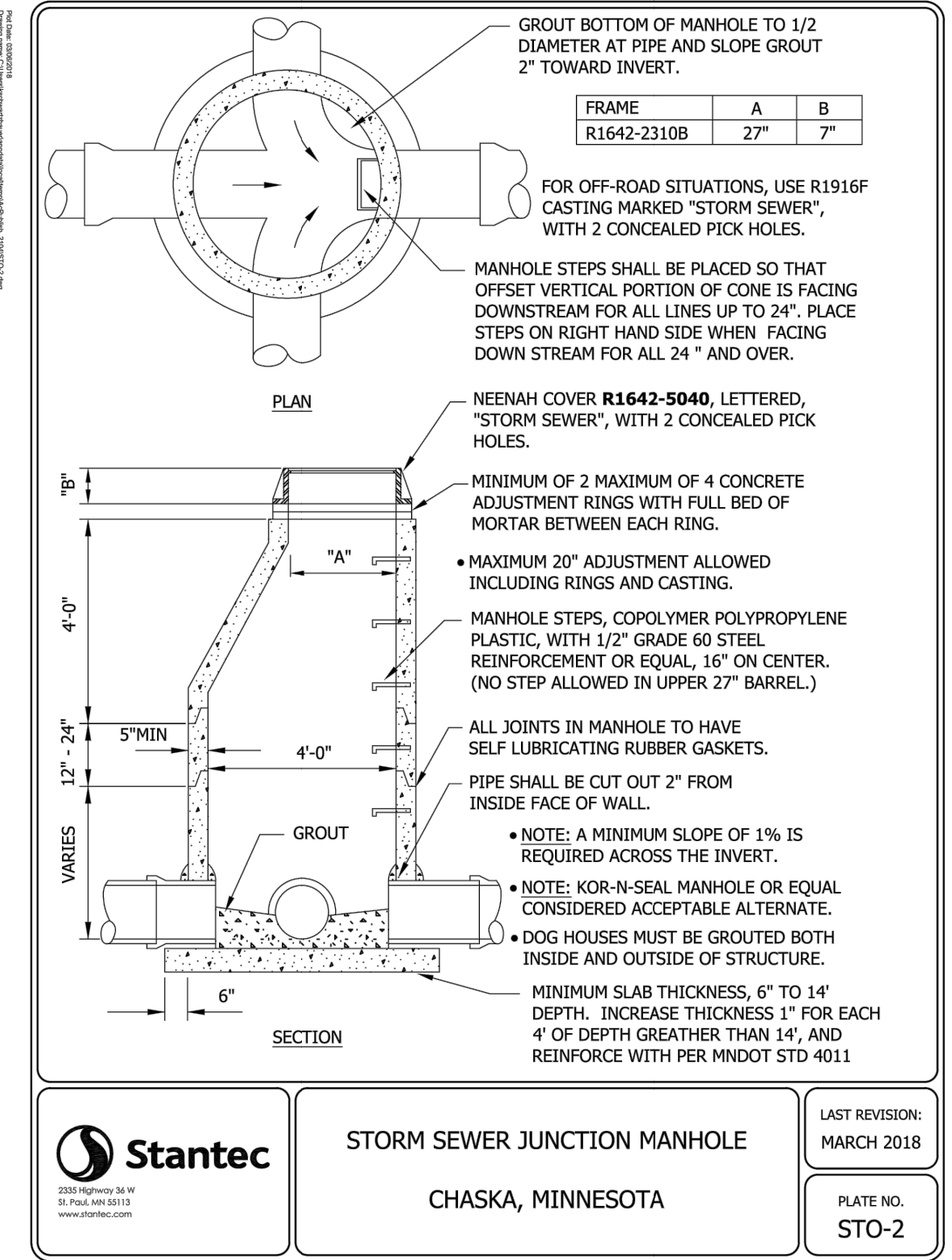
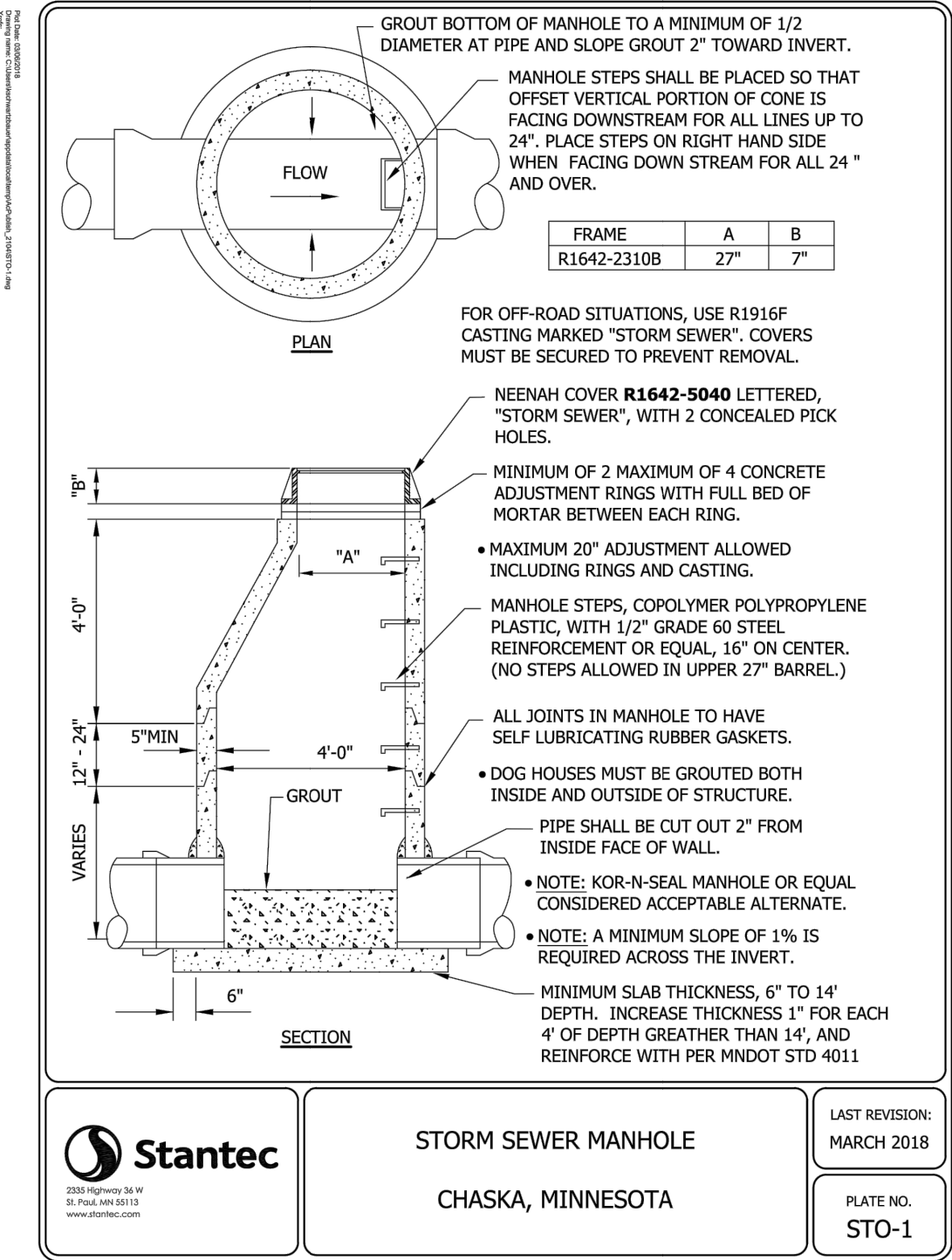
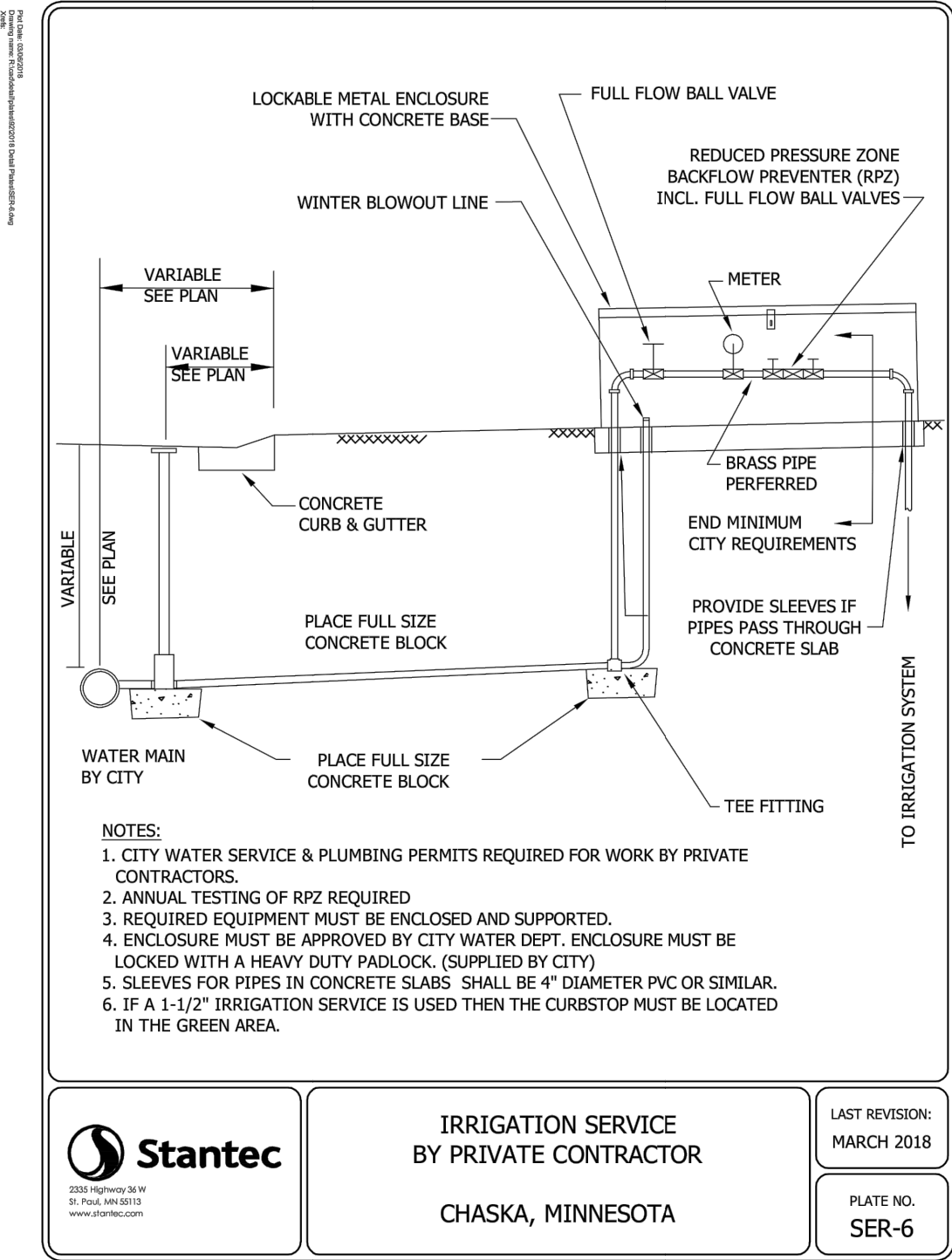
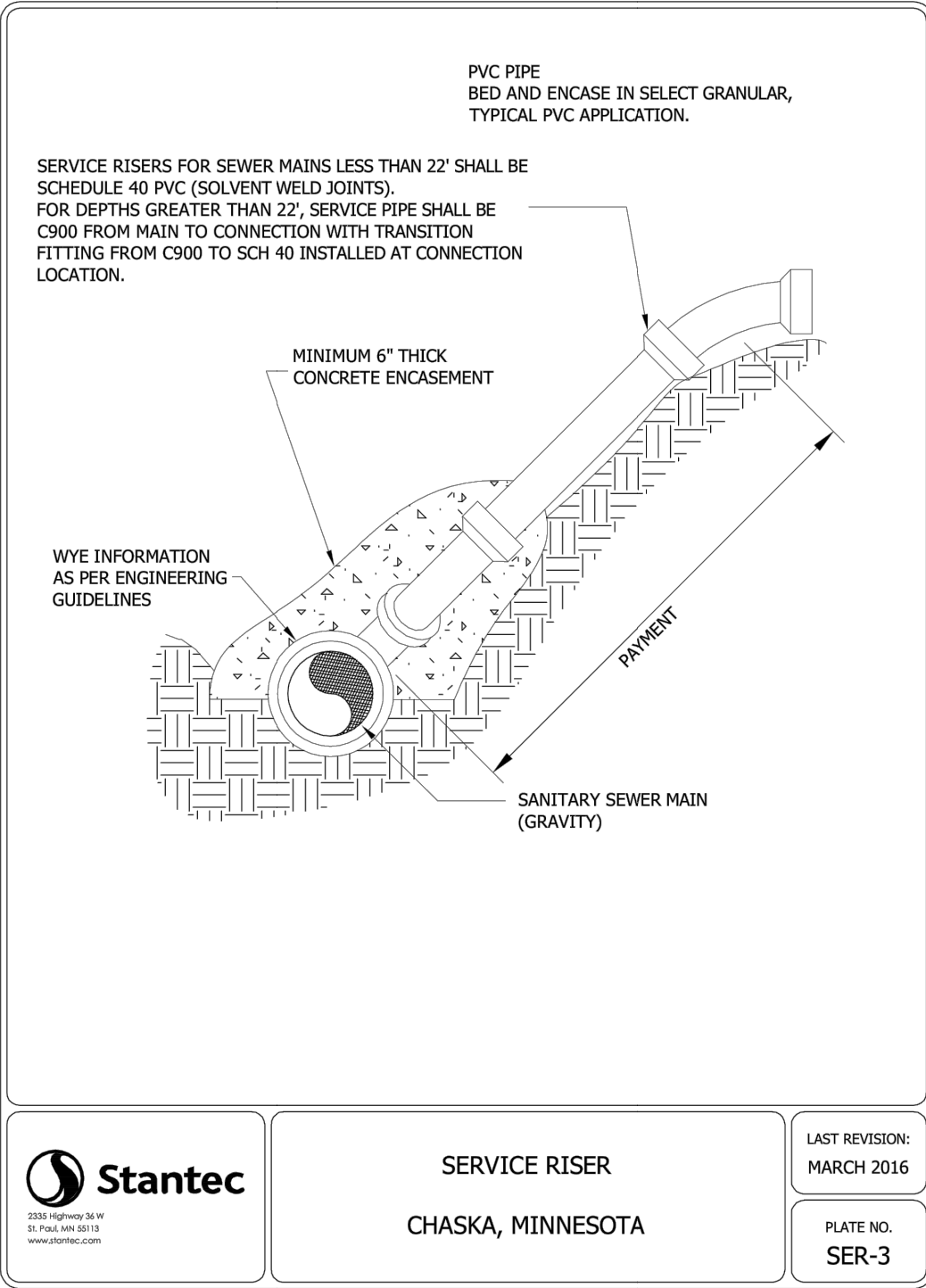
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OF

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DATE: 03/21/23





DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: ###  
VERTICAL SCALE: ## OR ##

INITIAL ISSUE: 03/21/23  
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PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME  
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**JOHN H. BENDER**  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND  
ADDITION**  
CHASKA, MN

**Westwood**  
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DETAILS

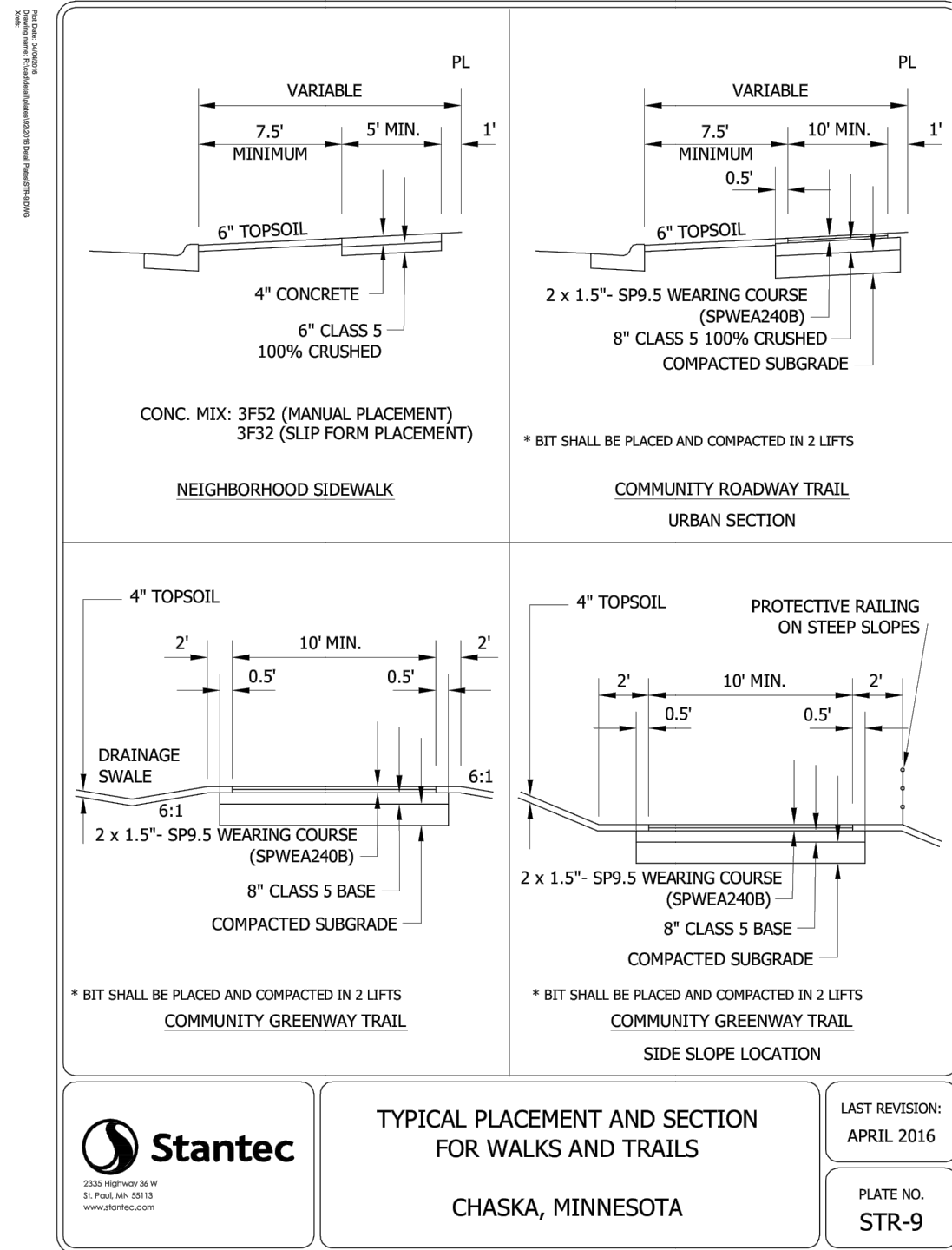
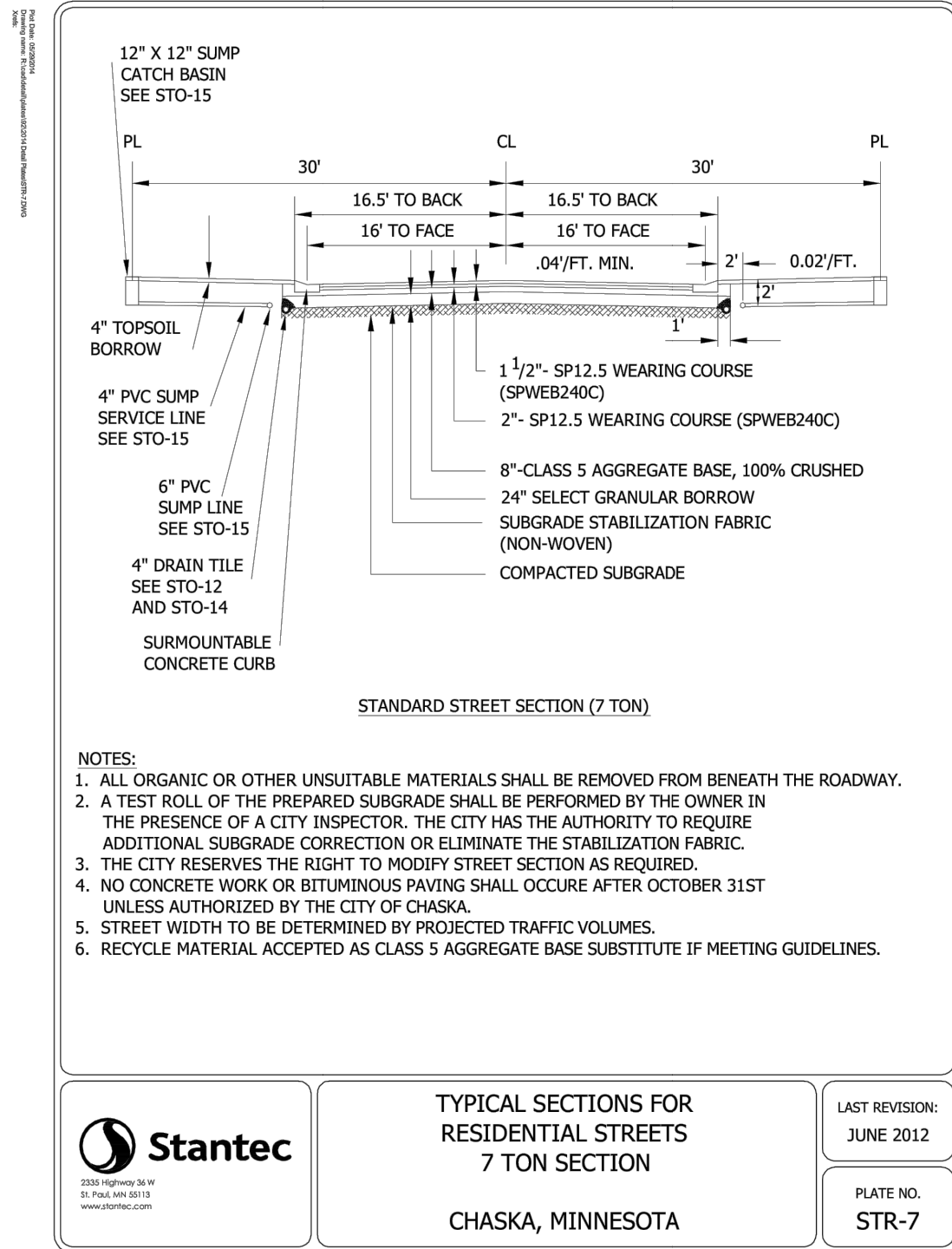
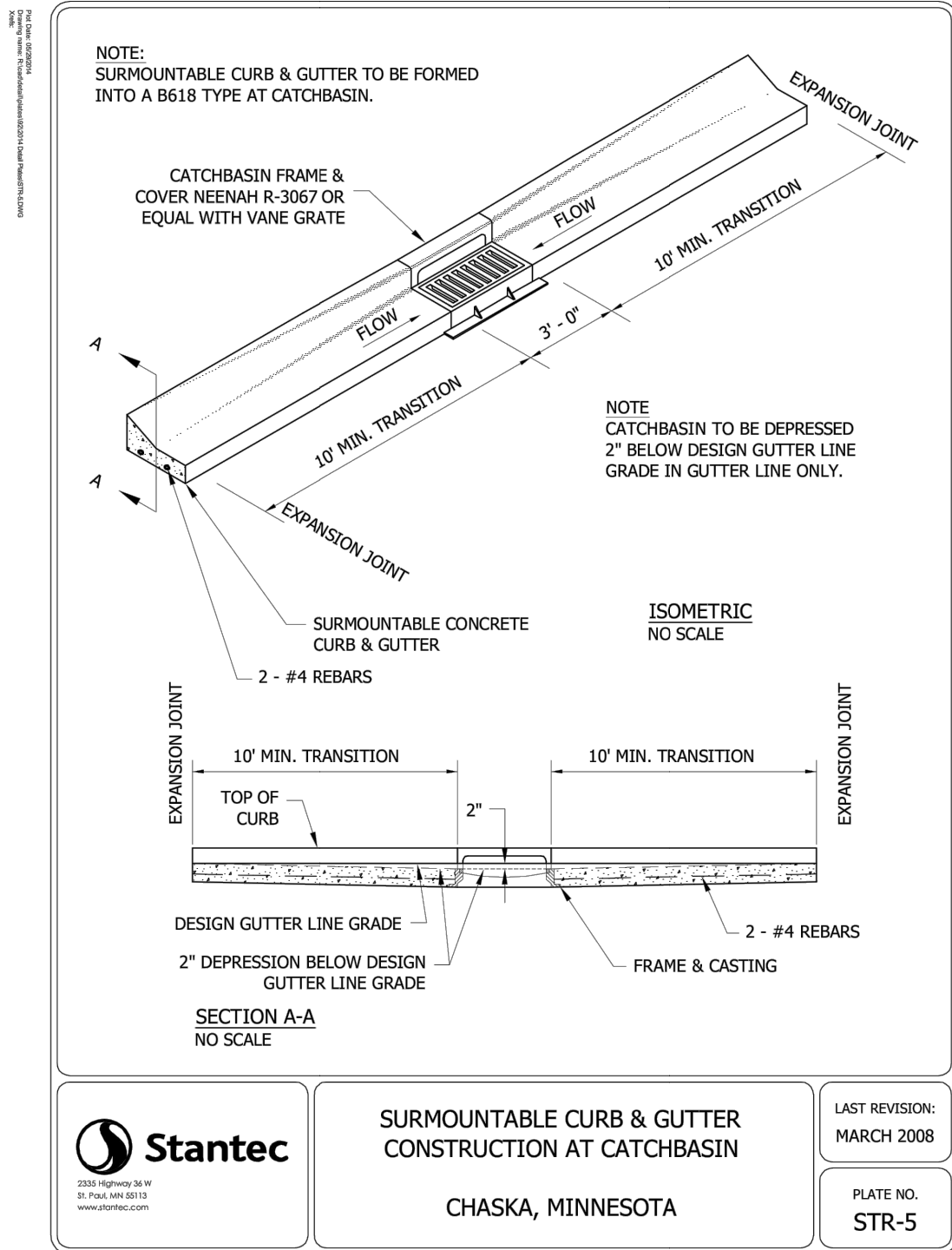
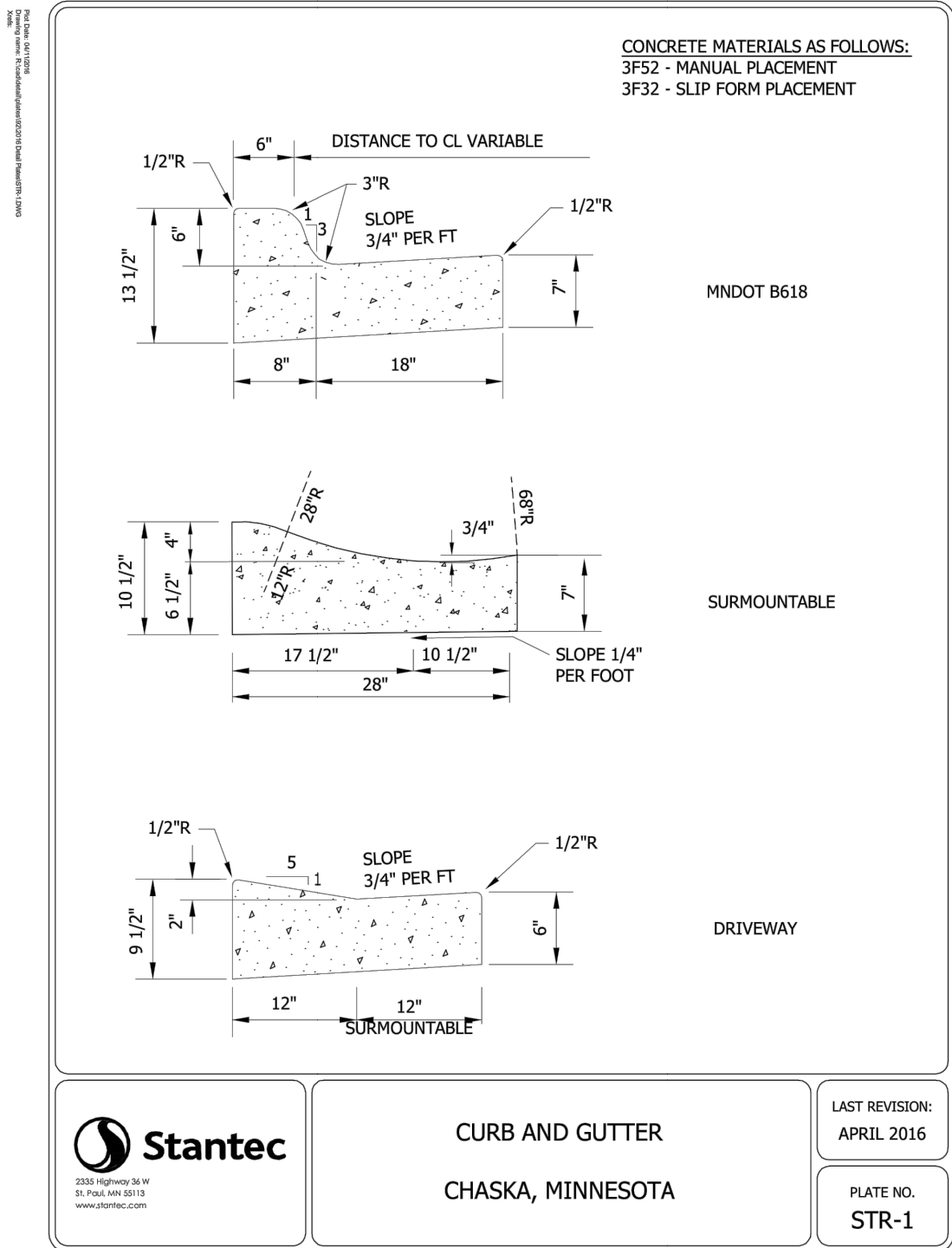
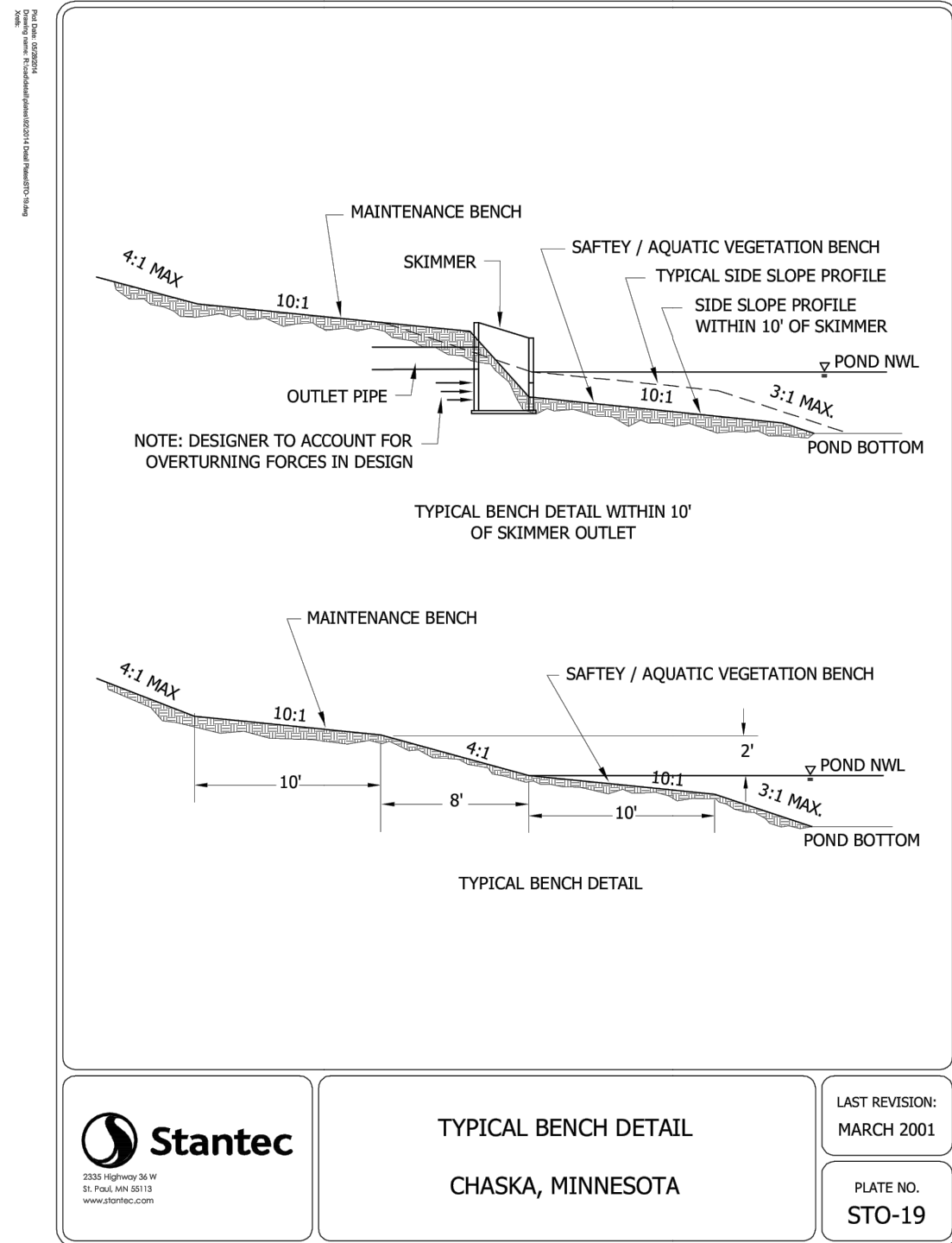
PROJECT NUMBER: 0027067.02

SHEET NUMBER:

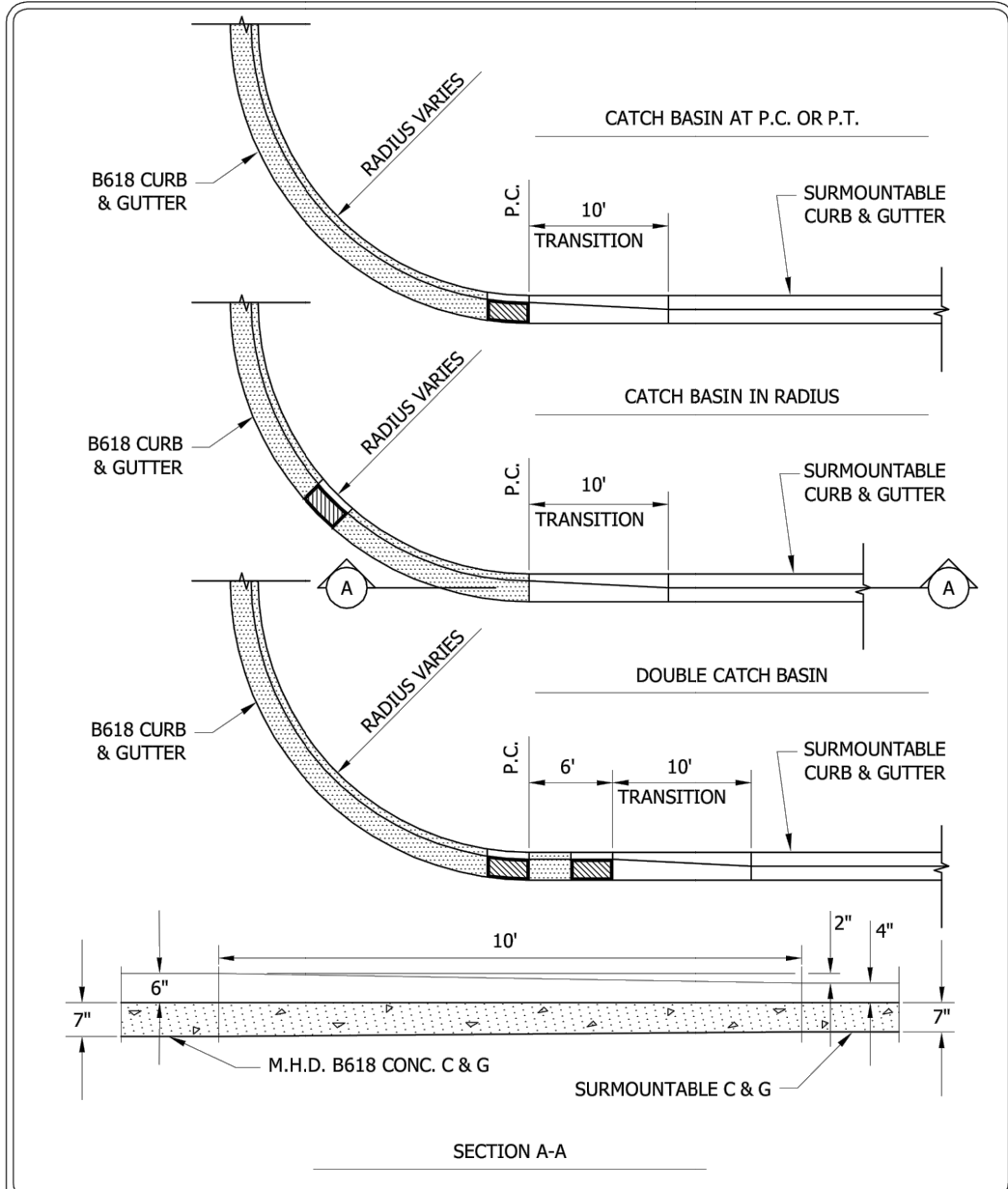
16 OF 22

DATE: 03/21/23









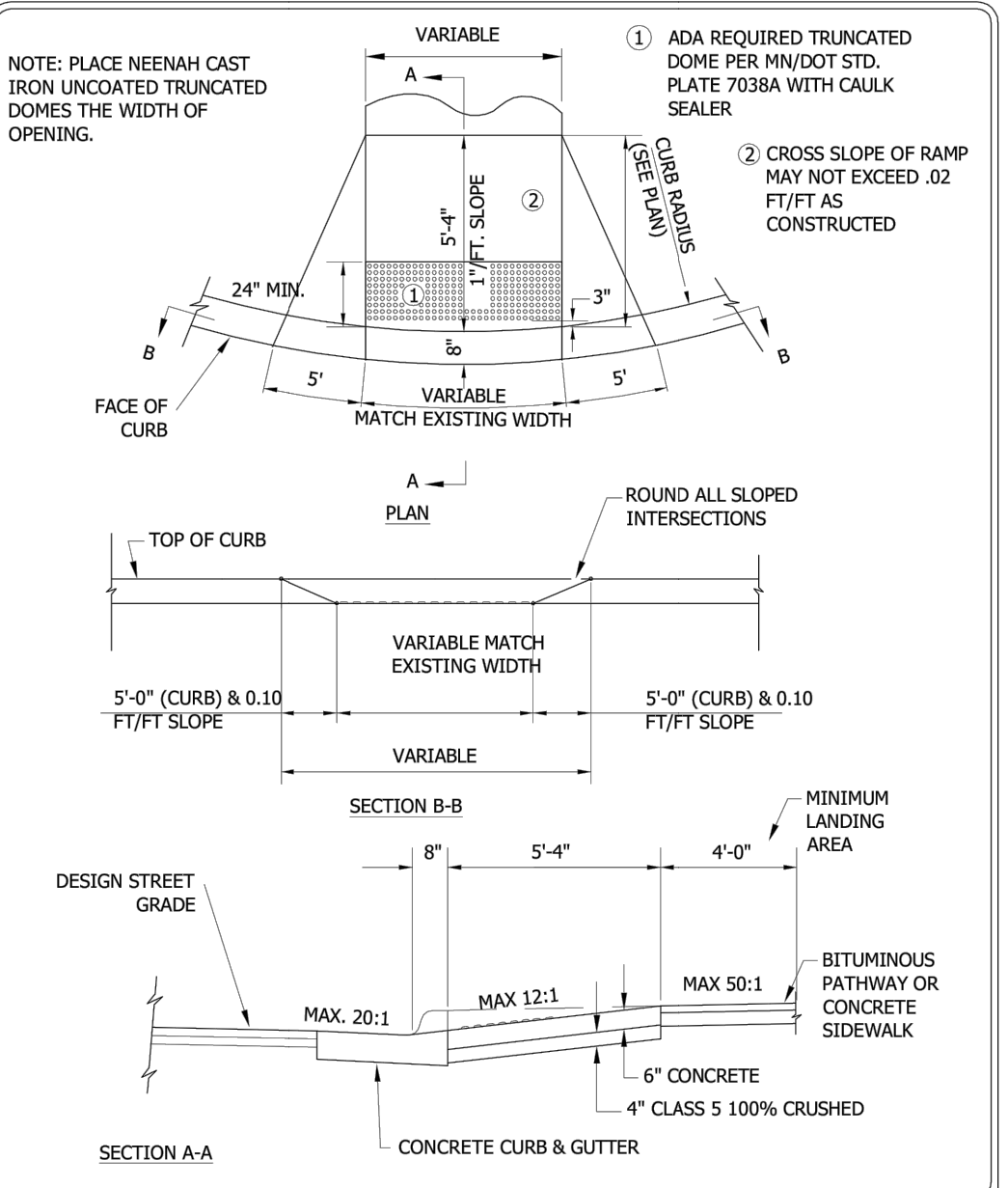
2023-12-20 10:10 AM  
S:\Projects\0027067\02-DWG\Civil\Utility\0027067-025-DT01.DWG

CONCRETE CURB & GUTTER  
TRANSITION

CHASKA, MINNESOTA

LAST REVISION:  
OCT. 1989

PLATE NO.  
STR-10



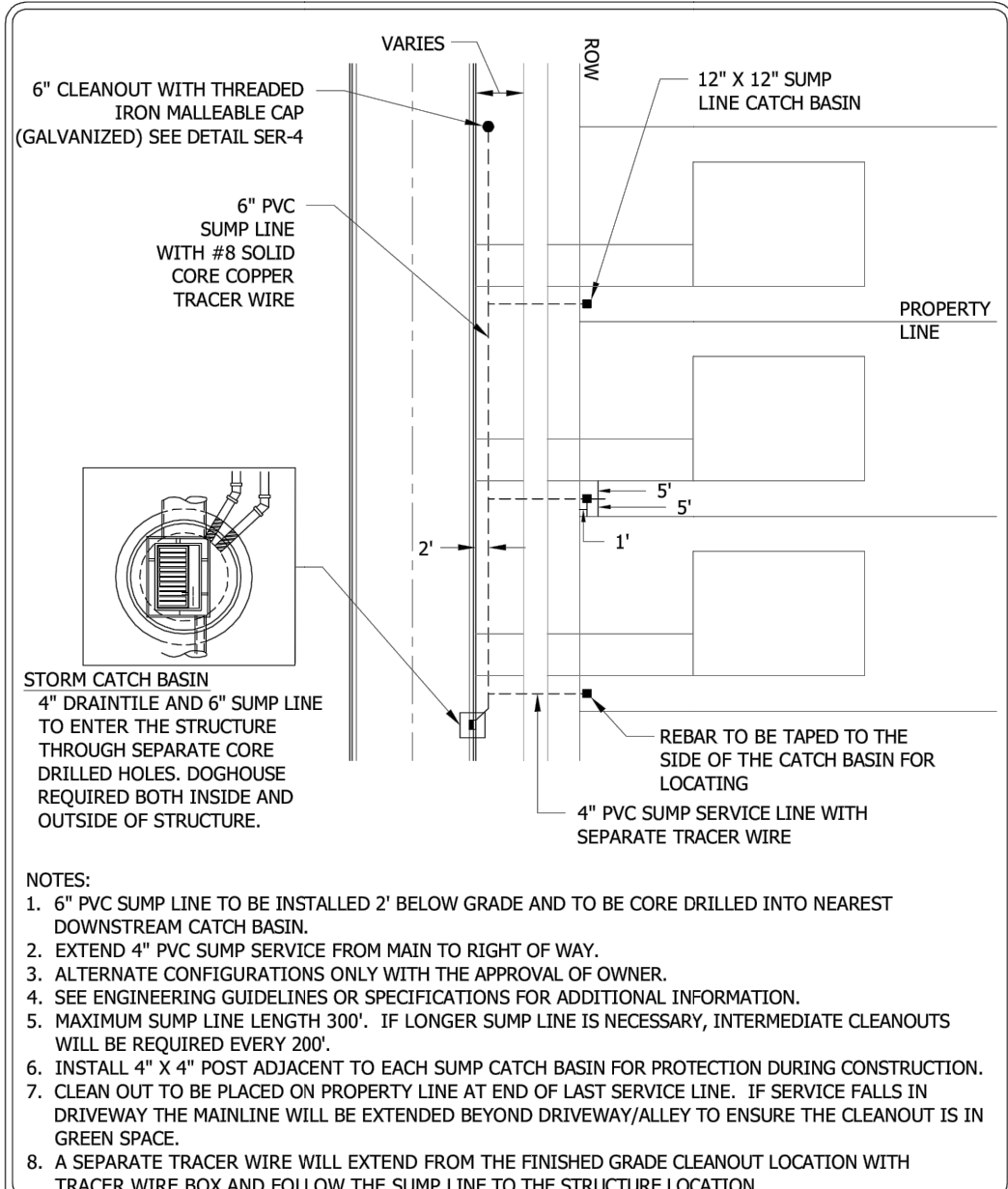
2023-12-20 10:10 AM  
S:\Projects\0027067\02-DWG\Civil\Utility\0027067-025-DT01.DWG

PEDESTRIAN CURB RAMP  
FOR PATHWAY/SIDEWALK

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2011

PLATE NO.  
STR-11



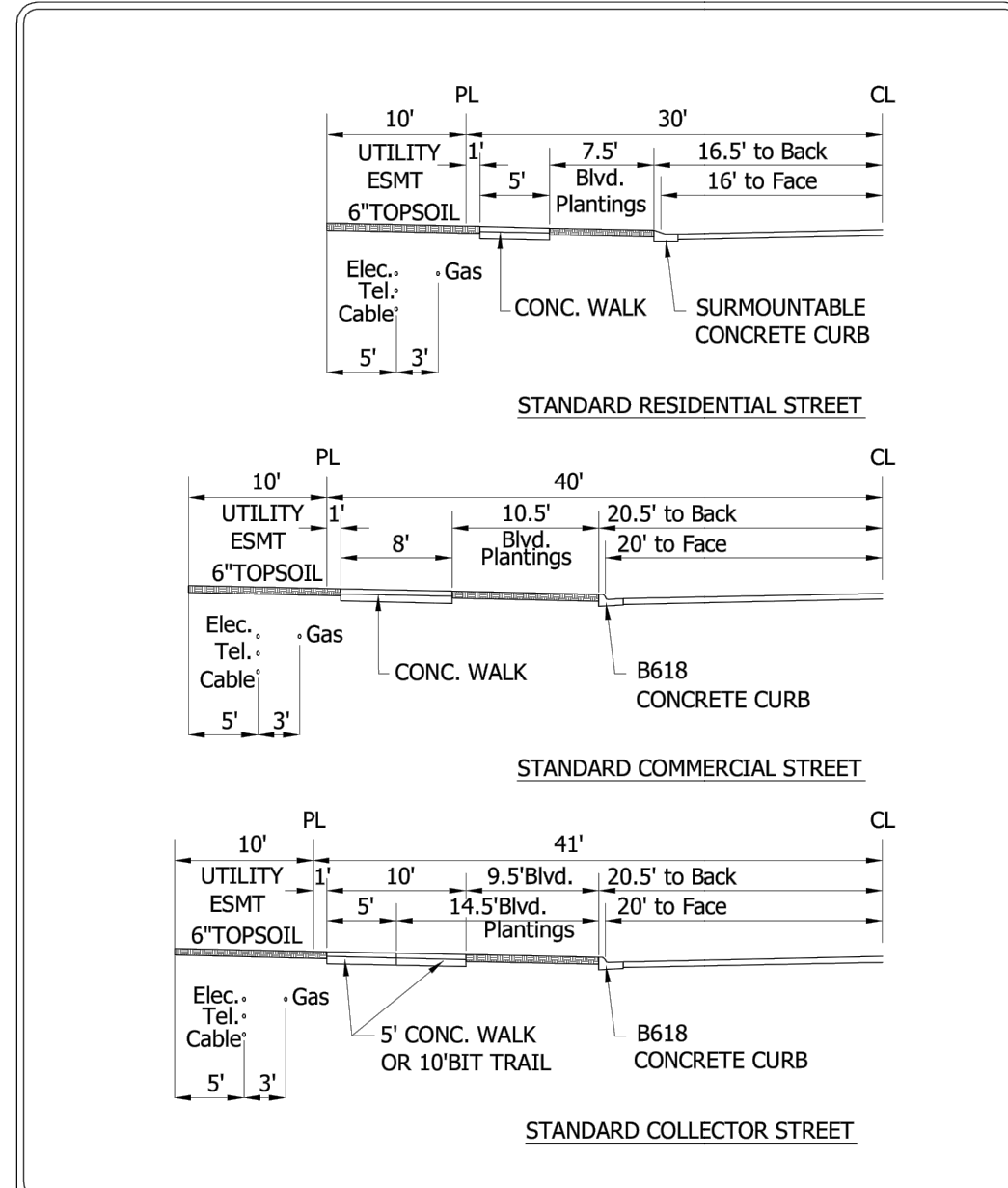
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PVC SUMP LINE  
BEHIND CURB

CHASKA, MINNESOTA

LAST REVISION:  
MAY 2016

PLATE NO.  
STO-15

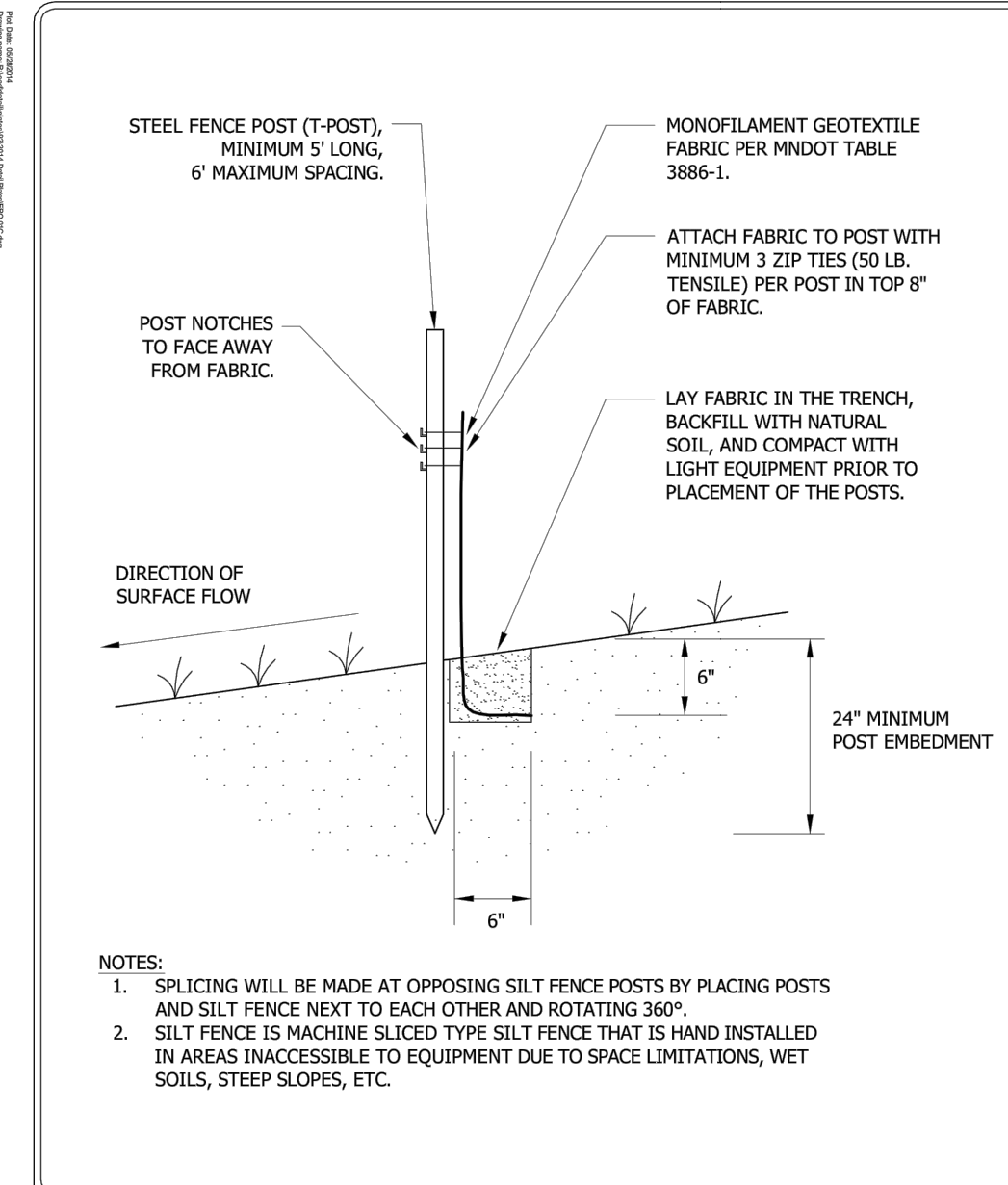


2023-12-20 10:10 AM  
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TYPICAL STREET  
COMPONENTS/DIMENSIONS  
RESIDENTIAL, COMMERCIAL & COLLECTOR  
CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2016

PLATE NO.  
STR-16



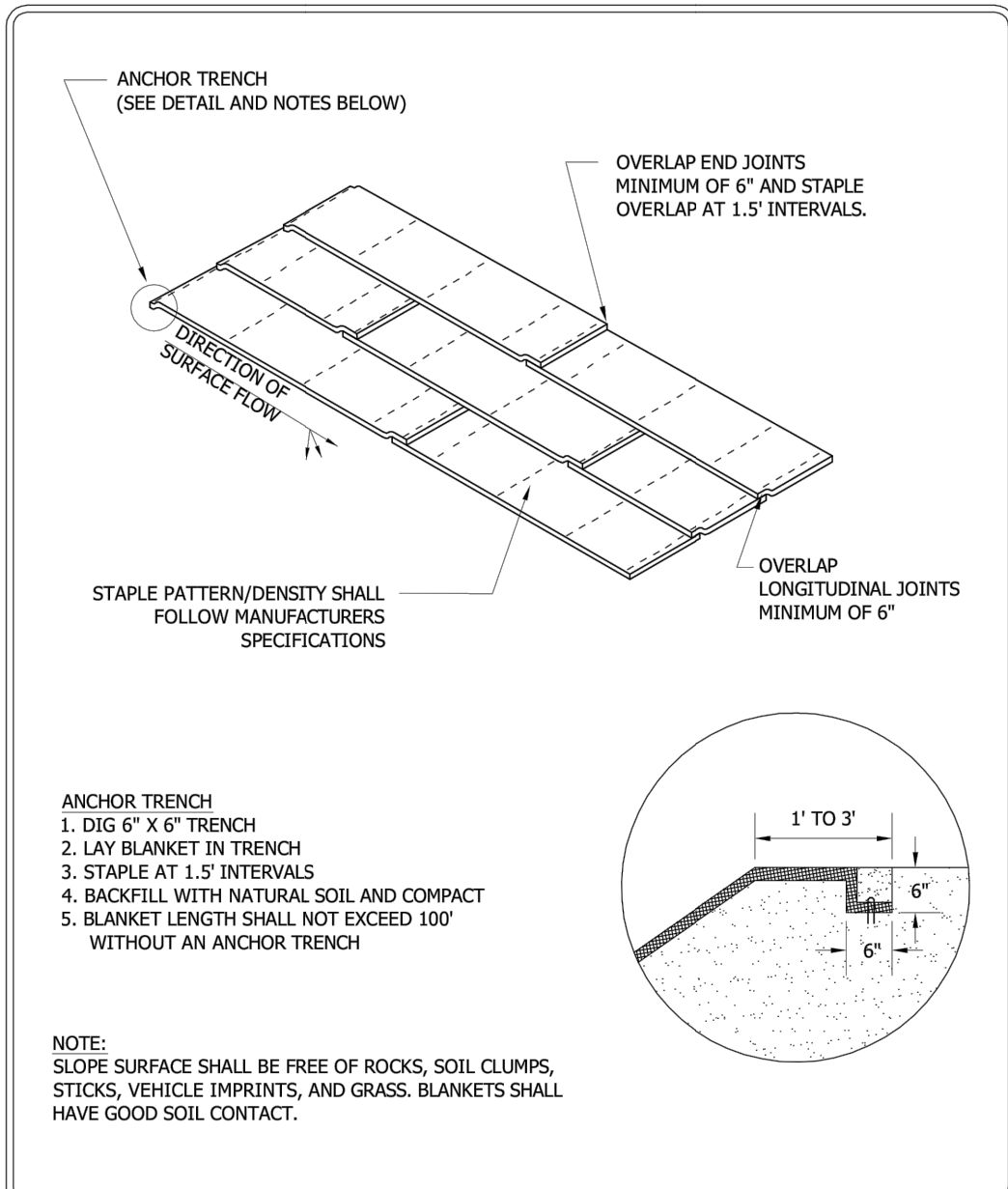
2023-12-20 10:10 AM  
S:\Projects\0027067\02-DWG\Civil\Utility\0027067-025-DT01.DWG

SILTY FENCE  
STANDARD

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2008

PLATE NO.  
ERO-1C



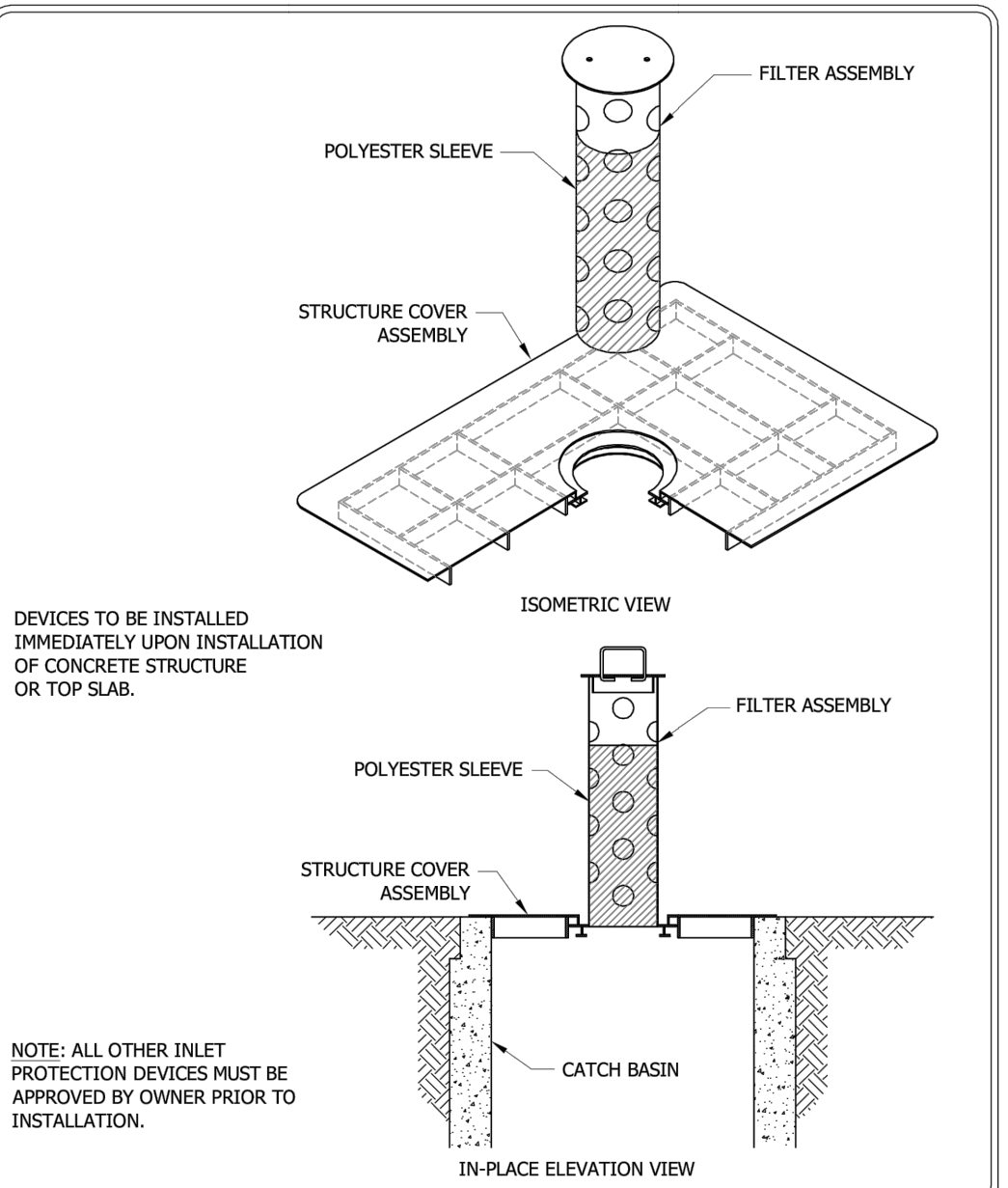
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EROSION CONTROL BLANKET  
INSTALLATION

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2008

PLATE NO.  
ERO-2



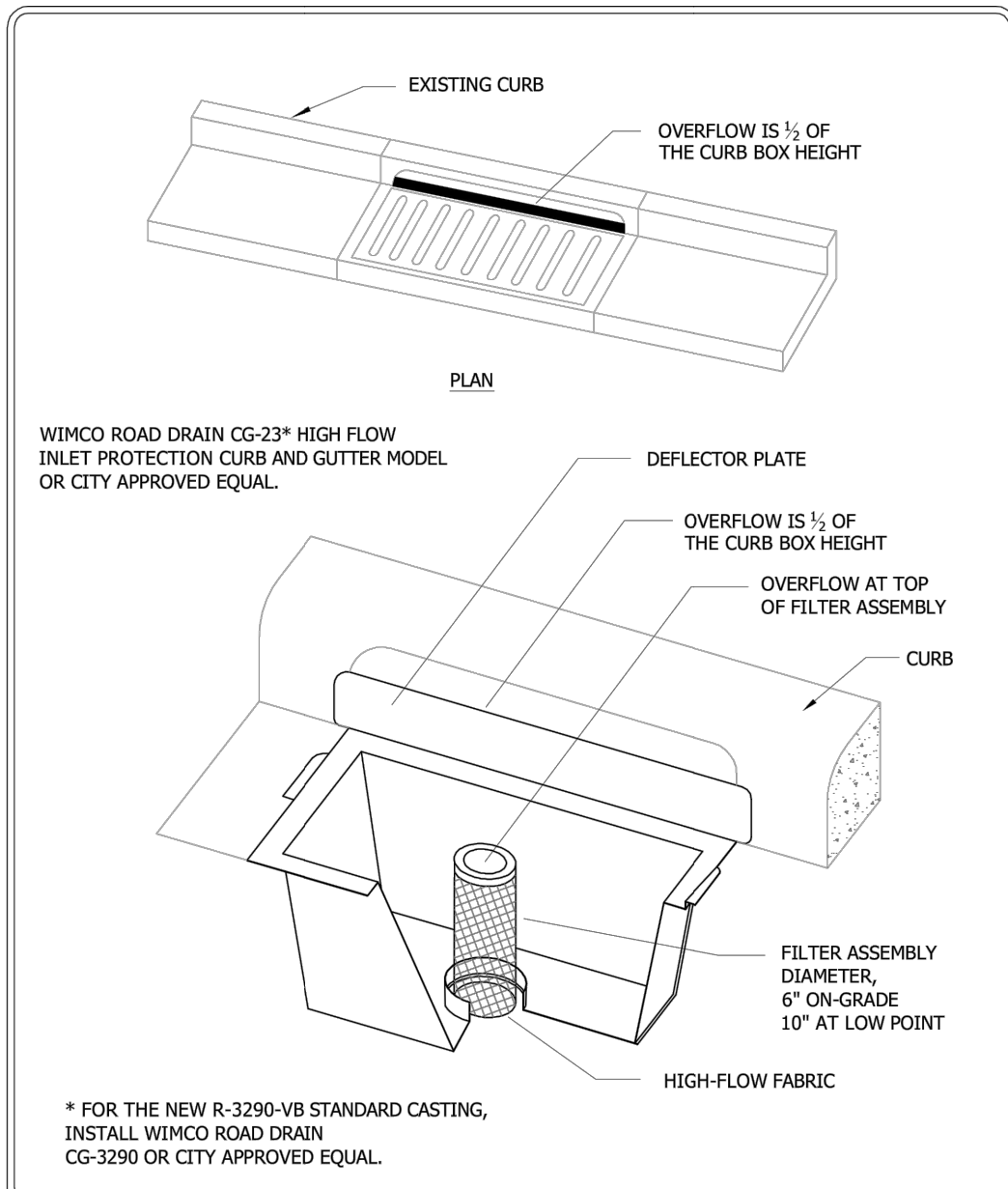
2023-12-20 10:10 AM  
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INLET PROTECTION FOR CATCH BASIN  
BEFORE CURB CONSTRUCTION

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2008

PLATE NO.  
ERO-4A



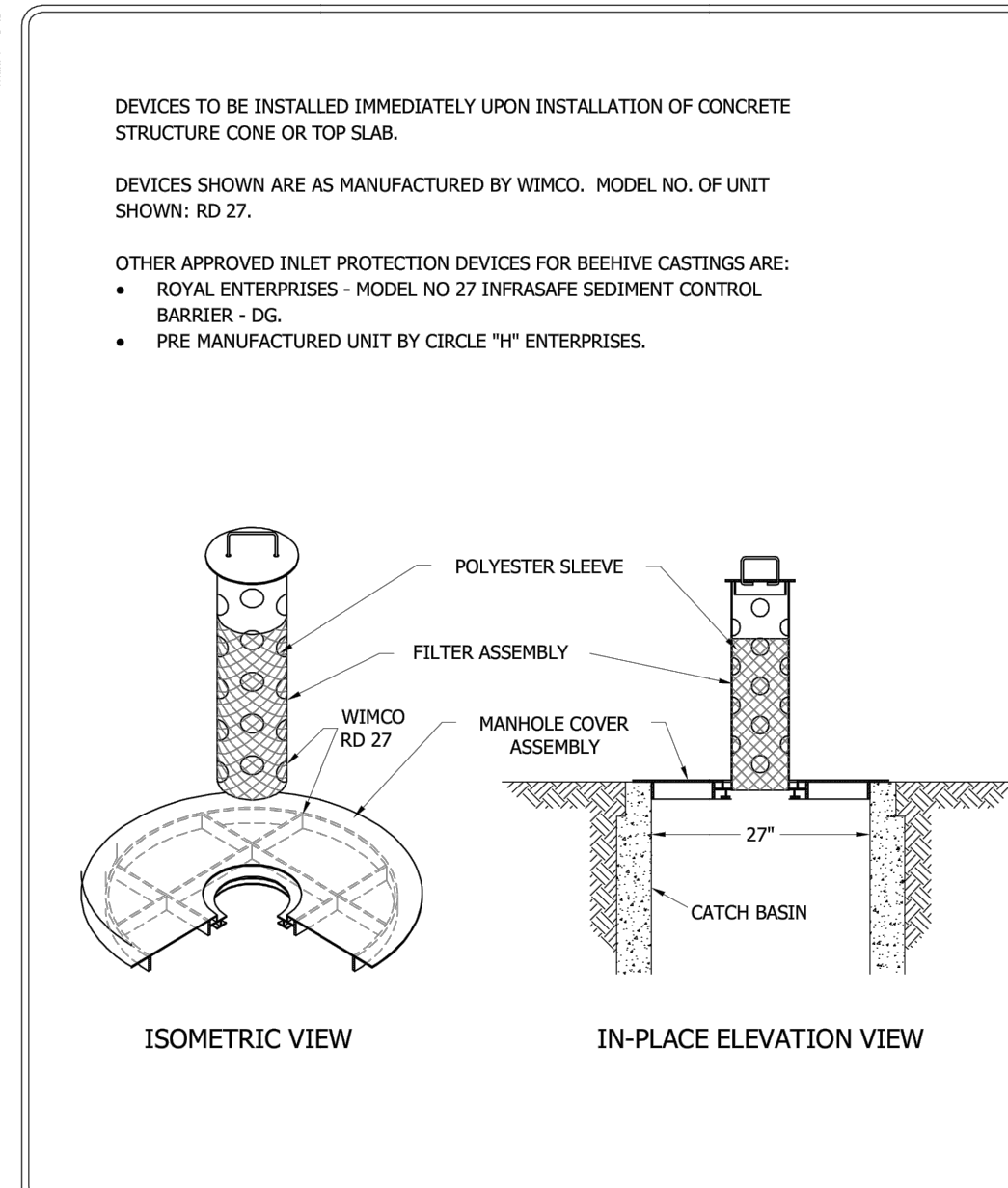
2023-12-20 10:10 AM  
S:\Projects\0027067\02-DWG\Civil\Utility\0027067-025-DT01.DWG

INLET PROTECTION - CATCH BASIN INSERT  
AFTER CURB CONSTRUCTION

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2008

PLATE NO.  
ERO-4B



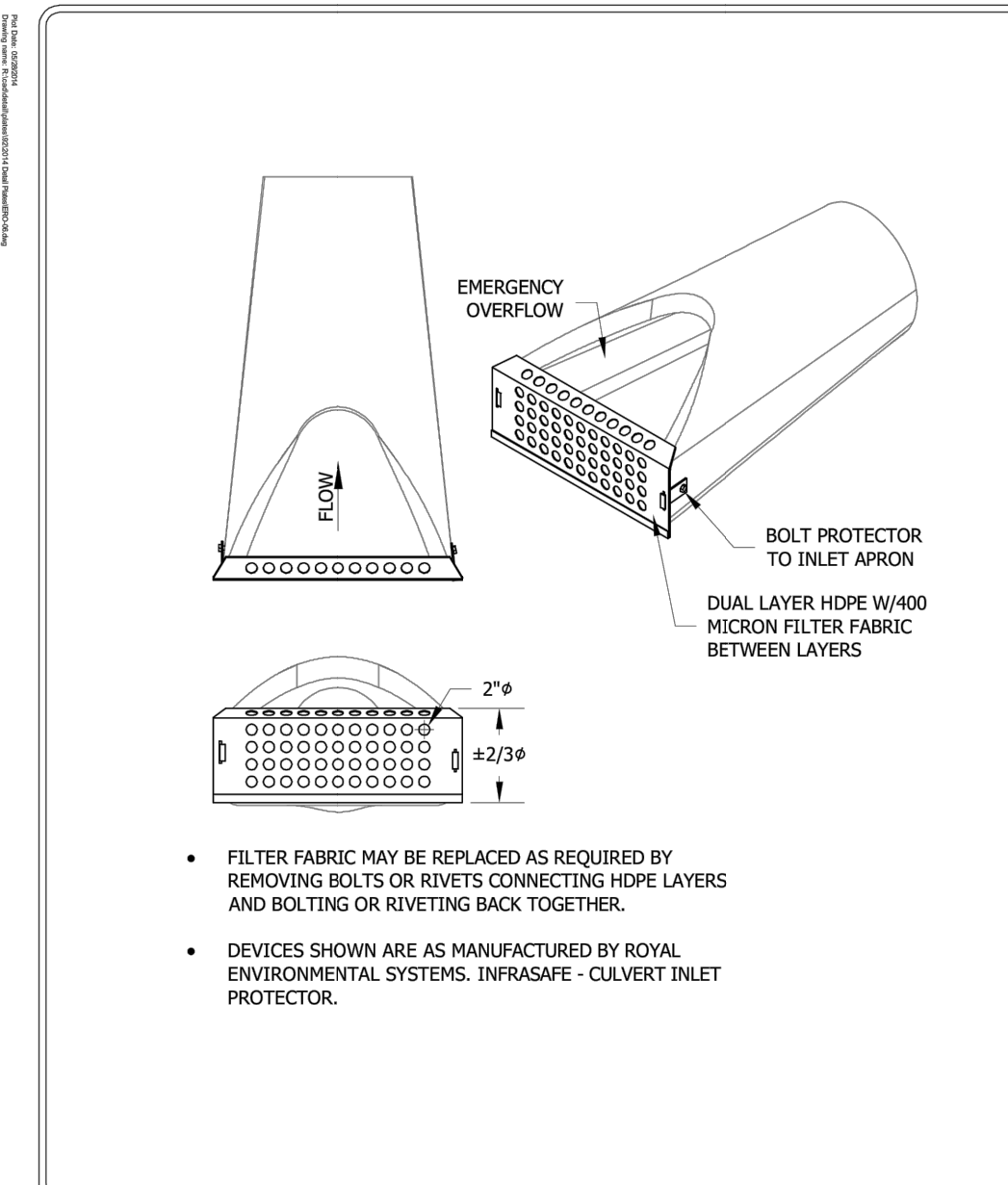
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S:\Projects\0027067\02-DWG\Civil\Utility\0027067-025-DT01.DWG

INLET PROTECTION  
BEEHIVE CASTING

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2008

PLATE NO.  
ERO-4C



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FLARED END  
EROSION CONTROL

CHASKA, MINNESOTA

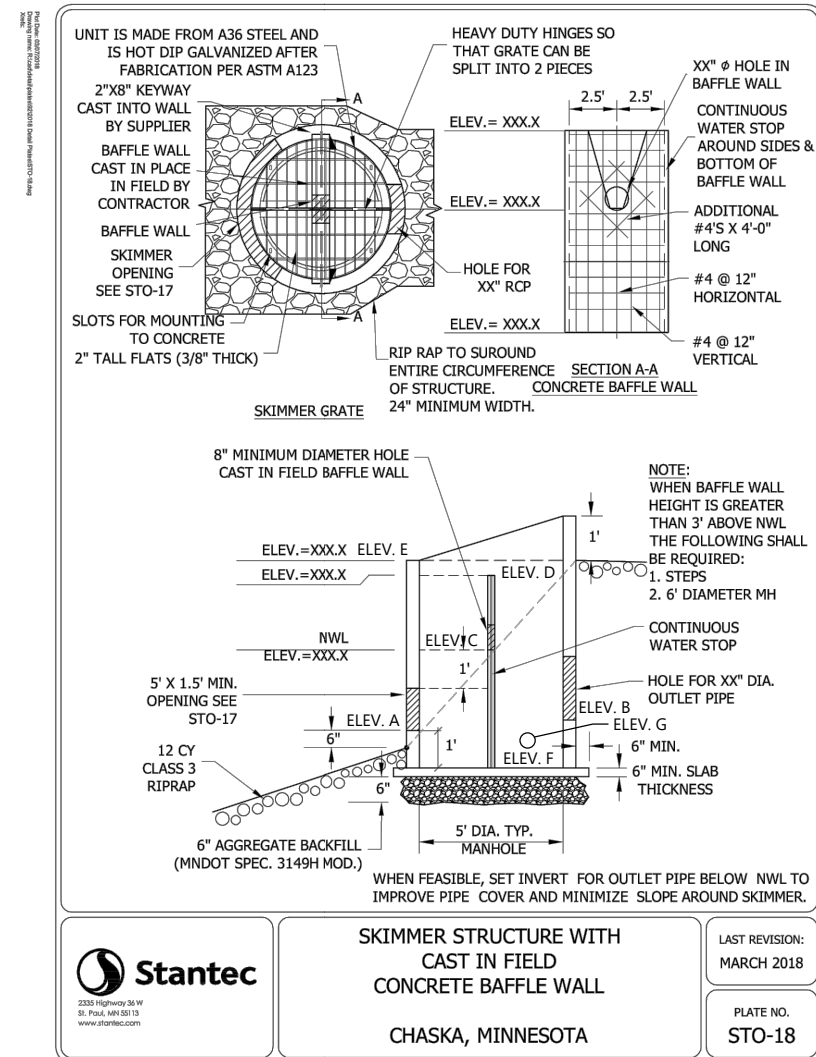
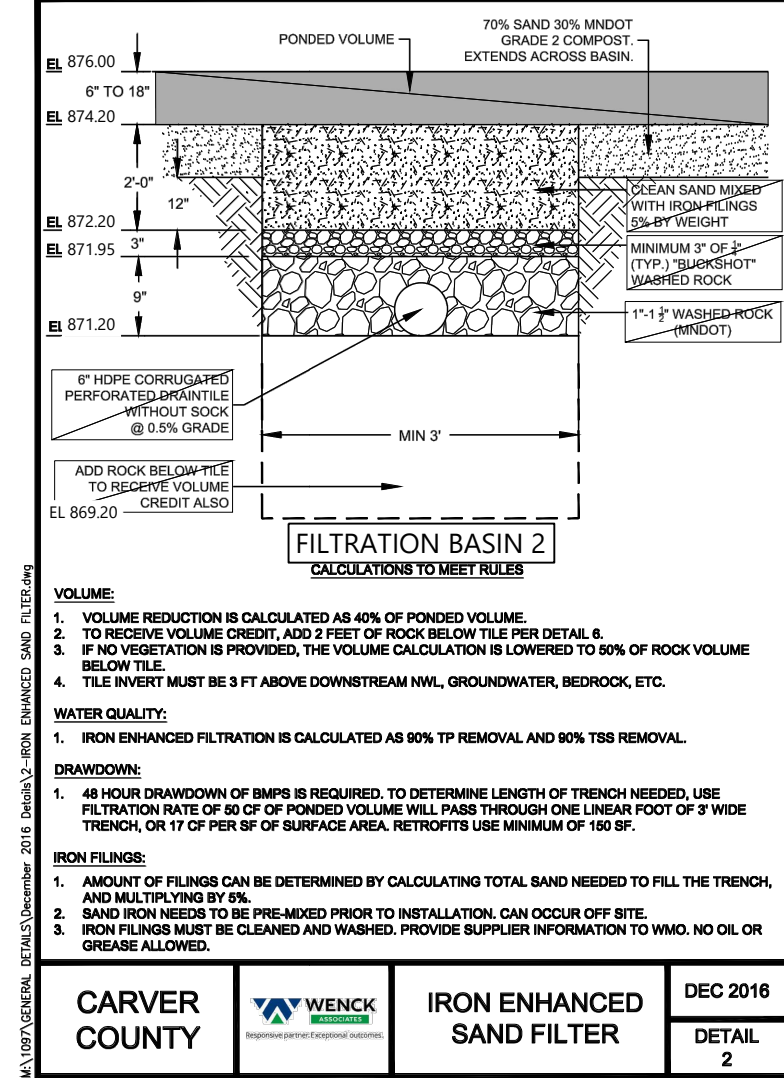
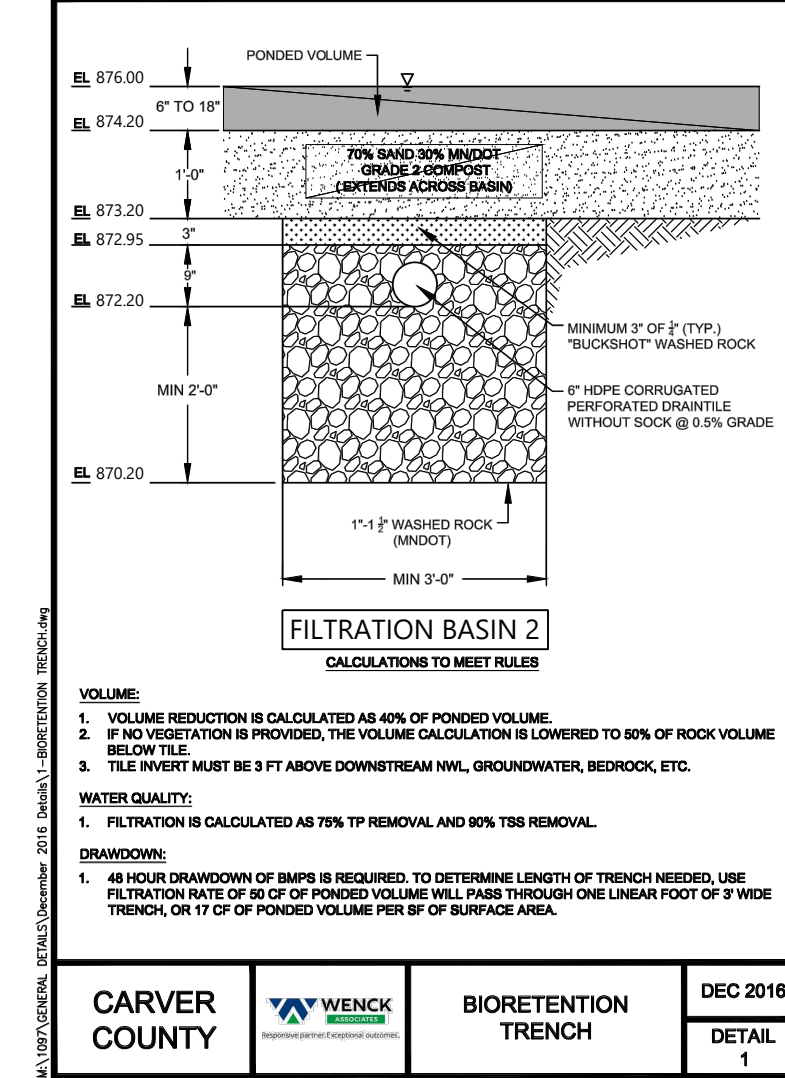
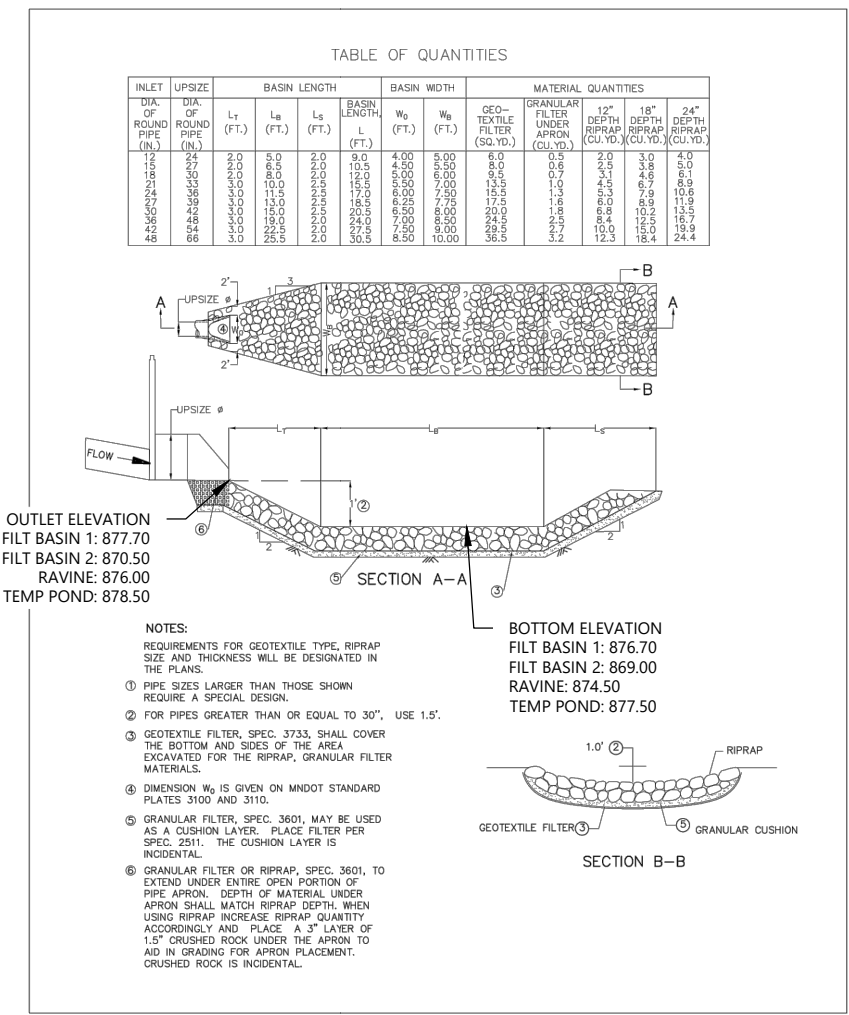
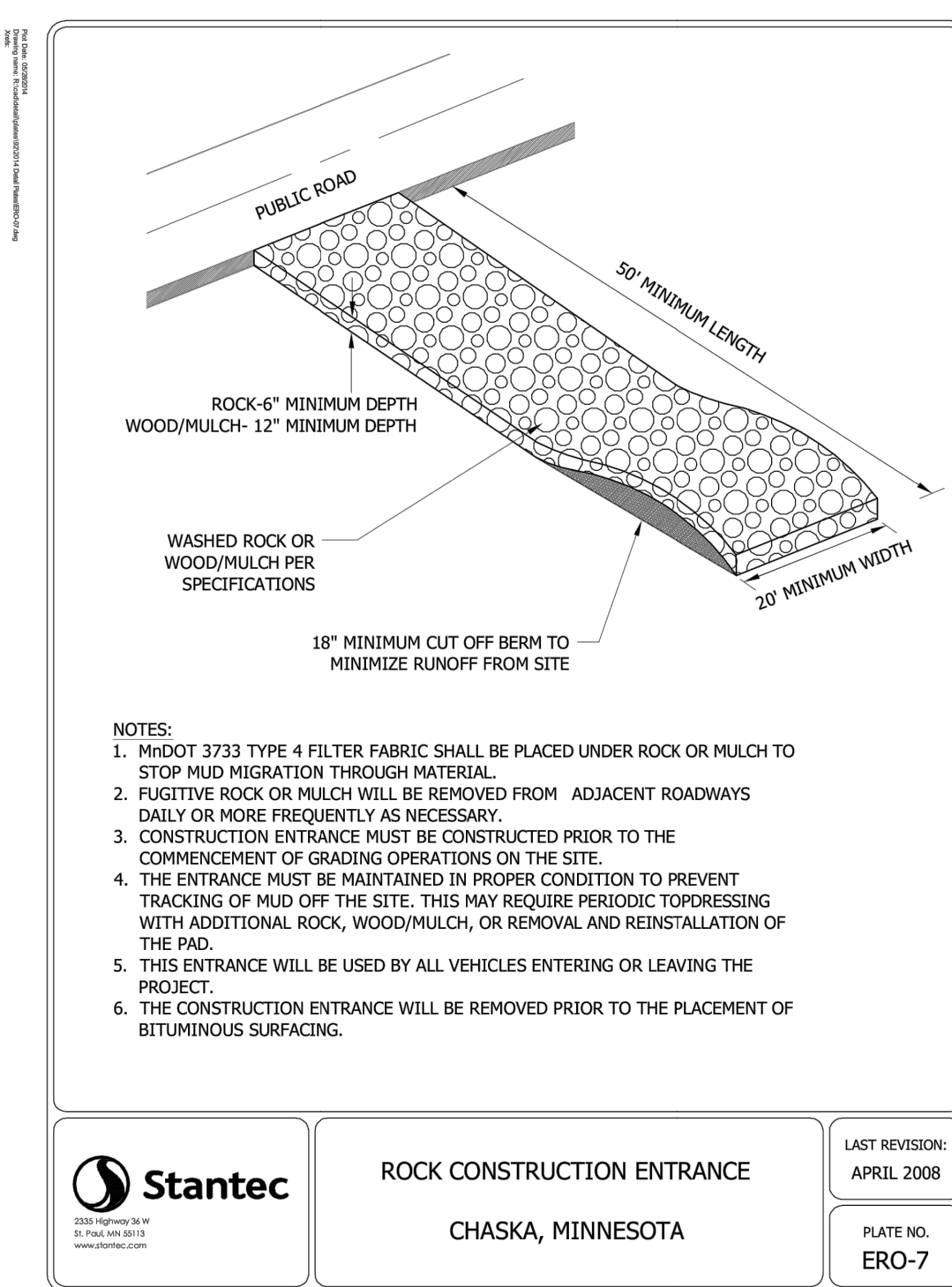
LAST REVISION:  
FEB 2005

PLATE NO.  
ERO-6

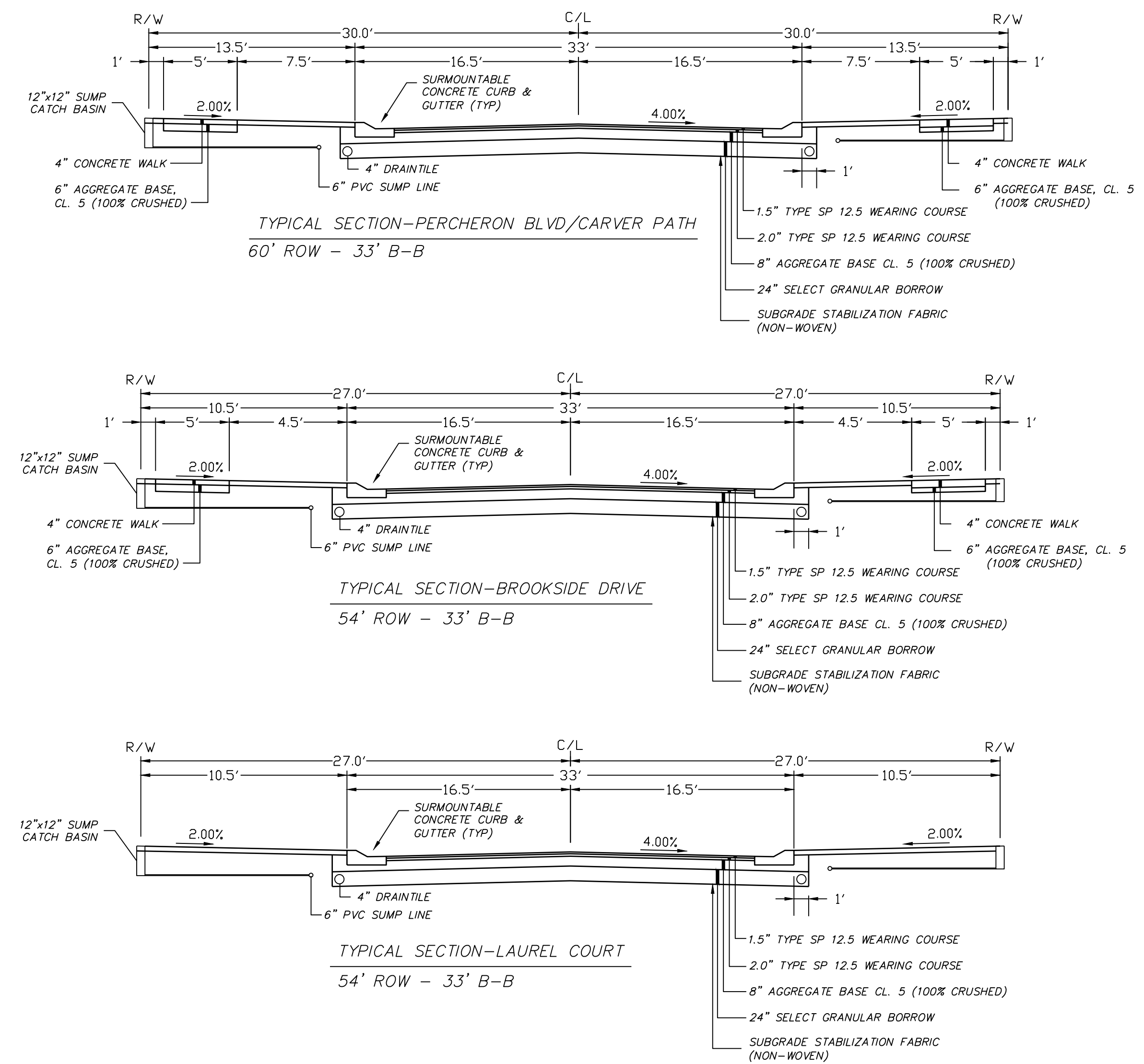
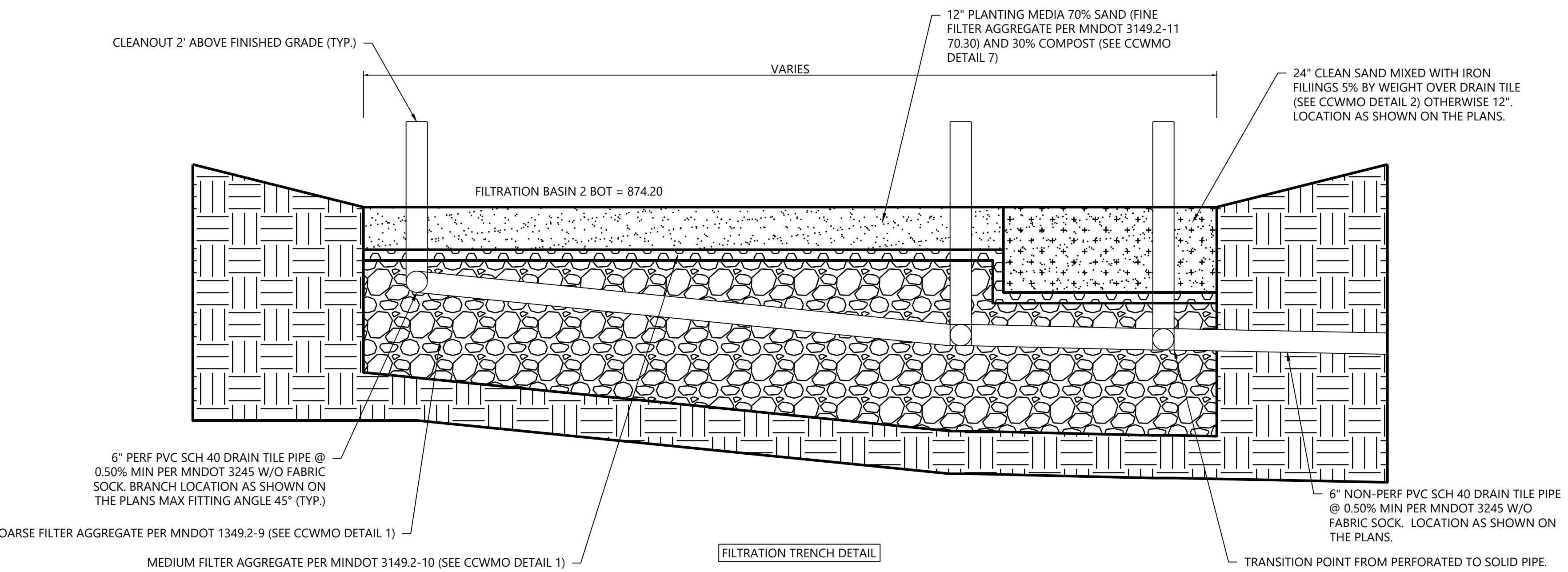
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CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: ###  
VERTICAL SCALE: ### OR ##

INITIAL ISSUE: 03/21/23  
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| STRUCTURE | POND          | NWL    | HWL    | ELEV A<br>(IE IN) | ELEV B<br>(IE OUT) | ELEV C<br>(OE) | ELEV D<br>(TOP<br>WALL) | ELEV E<br>(RE LOW) | ELEV F<br>(SUMP) | ELEV G<br>(DT IE) | ORIFICE<br>SIZE | OUTLET<br>PIPE SIZE |
|-----------|---------------|--------|--------|-------------------|--------------------|----------------|-------------------------|--------------------|------------------|-------------------|-----------------|---------------------|
| OCS 2     | FILT. BASIN 2 | 874.20 | 879.60 | 874.20            | 870.60             | 876.00         | 877.00                  | 879.60             | 870.10           | 870.60            | 8"              | 33" RCP             |



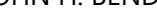
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|-------------------|-----------|-------------------------------------------------------------------------------------|----------|
| DESIGNED:         | FDH II    | INITIAL ISSUE:                                                                      | 03/21/23 |
| CHECKED:          | JHB       | REVISIONS:                                                                          |          |
| DRAWN:            | CTY       |  | 1        |
| HORIZONTAL SCALE: | ###       |  | 2        |
| VERTICAL SCALE:   | ### OR ## |  | 3        |
|                   |           |  | 4        |

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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

  
JOHN H. BENDER

DATE: 03/21/23 LICENSE NO. 43358

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

  
JOHN H. BENDER

DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND  
ADDITION**  
CHASKA, MN

# Westwood

---

|           |                |                                                             |
|-----------|----------------|-------------------------------------------------------------|
| Phone     | (952) 937-5150 | 12701 Whitewater Drive, Suite #300                          |
| Fax       | (952) 937-5822 | Minnetonka, MN 55343                                        |
| Toll Free | (888) 937-5150 | <b><a href="http://westwoodsps.com">westwoodsps.com</a></b> |

**Westwood Professional Services, Inc.**

PROJECT NUMBER: 0027067.02

DATE: 03/21/23

DETAILS

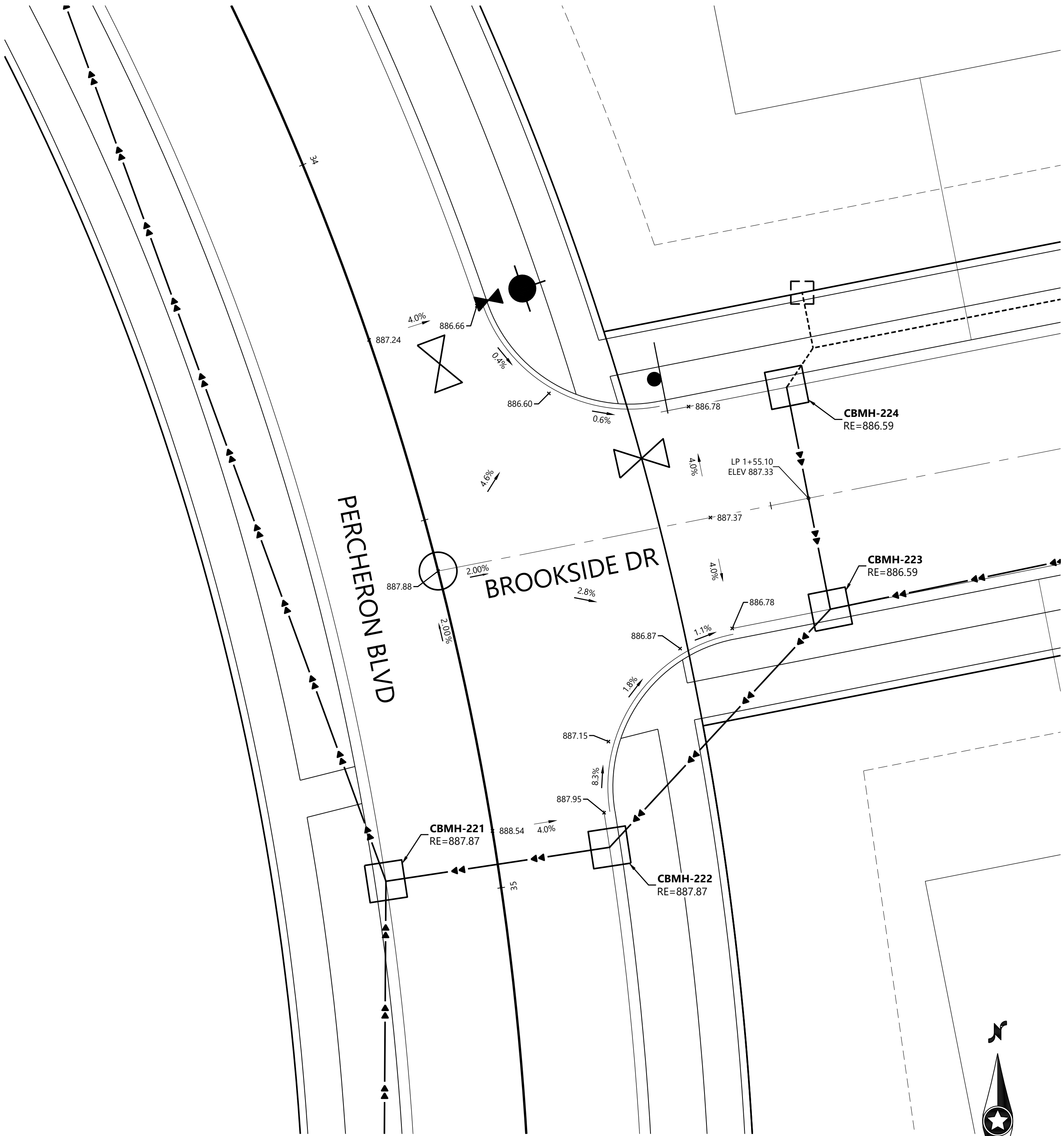
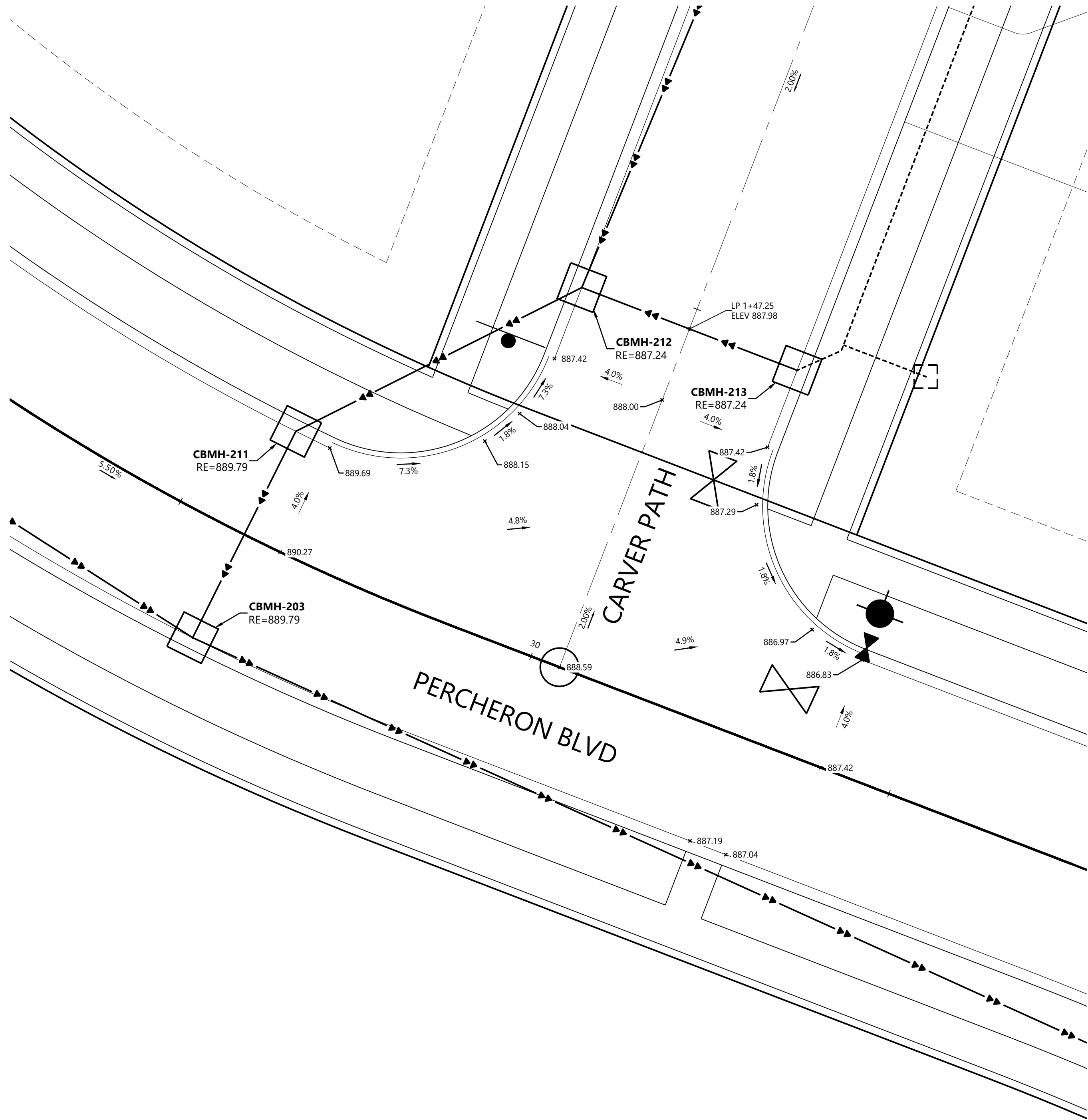
SHEET NUMBER:

19

OF

22





LEGEND

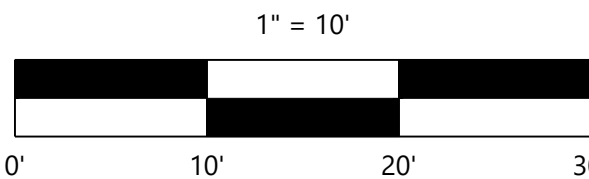
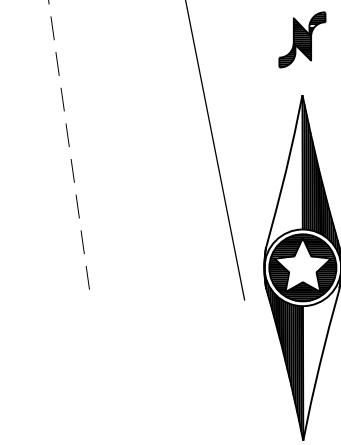
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× 900.00

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× 900.00

GUTTER ELEVATION

GENERAL NOTES

1. RADIUS TO BE B618 CURB & GUTTER WITH 10' TRANSITIONS FROM SURMOUNTABLE CURB & GUTTER.
2. ALL RCP SHALL BE CLASS V, UNLESS OTHERWISE NOTED.
3. ALL CATCH BASIN CASTINGS IN CURB SHALL BE SUMPED 0.15 FEET. MANHOLE CASTINGS IN PAVED AREAS SHALL BE SUMPED 0.05 FEET. RIM ELEVATIONS SHOWN ON THE PROFILES REFLECT THE SUMPED ELEVATIONS.



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 10'  
VERTICAL SCALE: 2' OR 1'

INITIAL ISSUE: 03/21/23  
REVISIONS:  
△ . .  
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PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
*John H. Bender*  
JOHN H. BENDER  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND ADDITION**  
CHASKA, MN

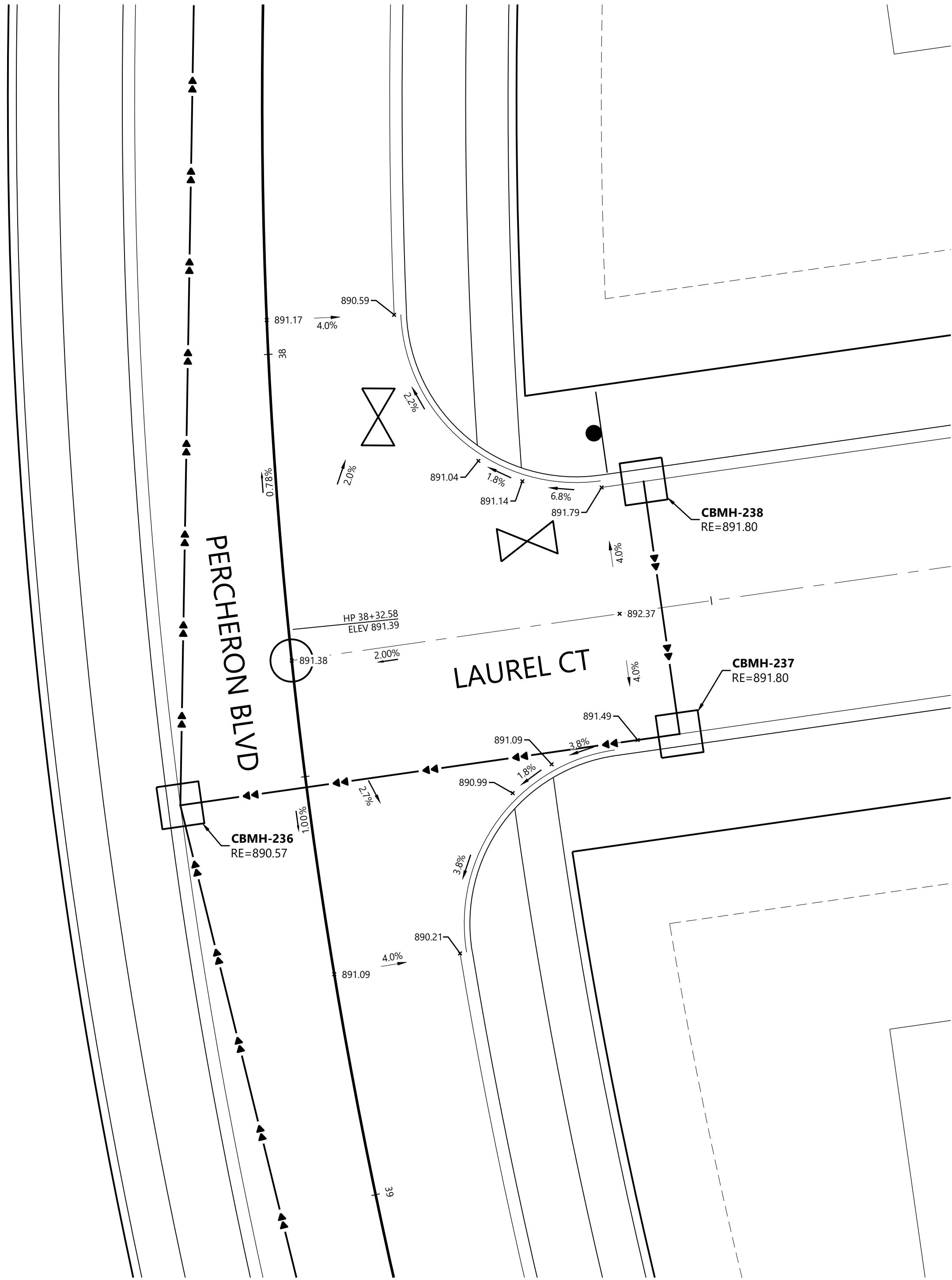
**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

INTERSECTION DETAILS

PROJECT NUMBER: 0027067.02

SHEET NUMBER:  
20 OF 22  
DATE: 03/21/23





### LEGEND

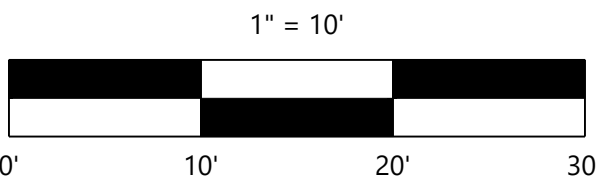
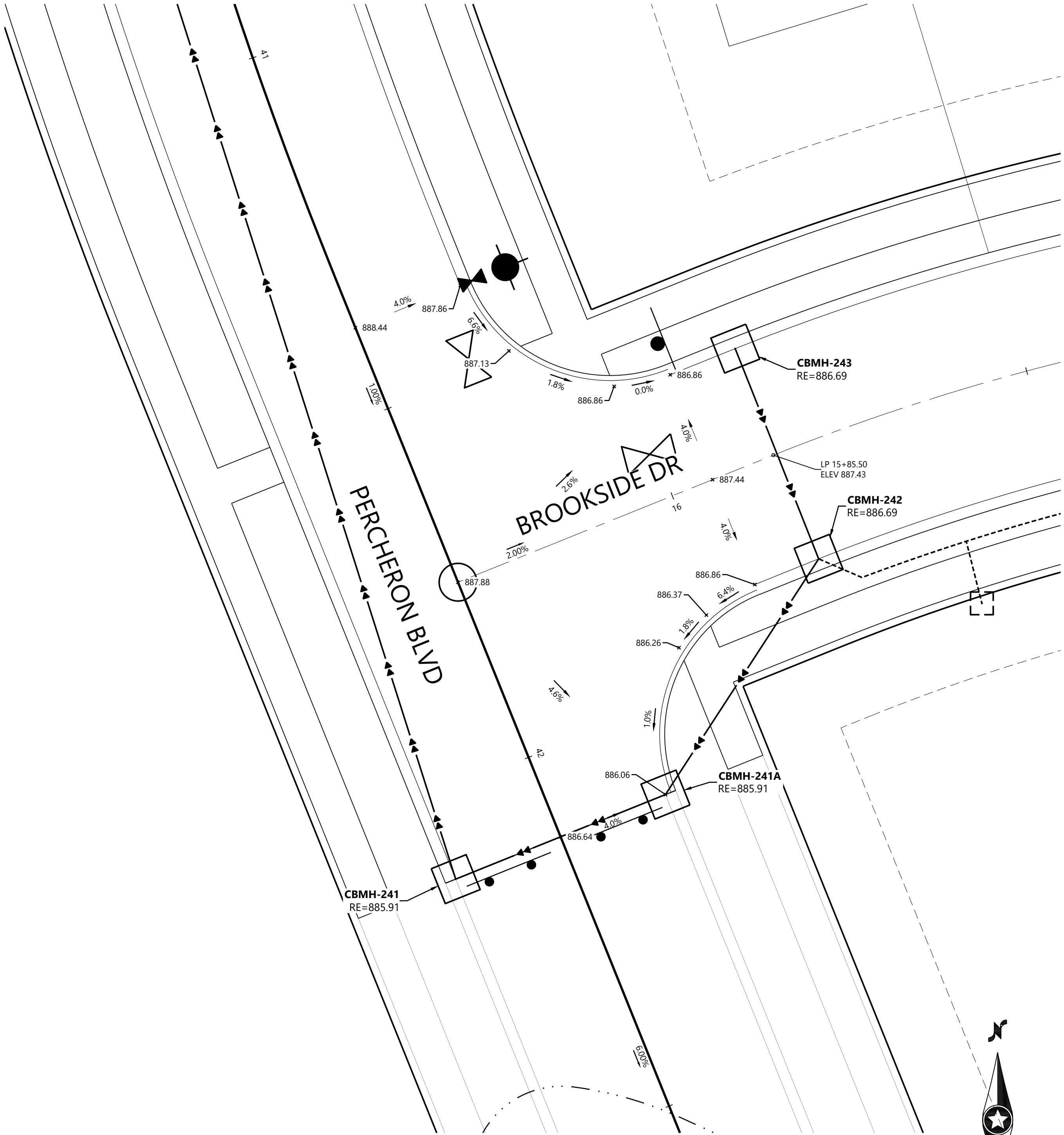
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CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 10'  
VERTICAL SCALE: 2' OR 1'

INITIAL ISSUE: 03/21/23  
REVISIONS:  
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PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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JOHN H. BENDER  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND ADDITION**  
CHASKA, MN

**Westwood**

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INTERSECTION DETAILS

PROJECT NUMBER: 0027067.02

SHEET NUMBER:

21 OF 22

DATE: 03/21/23



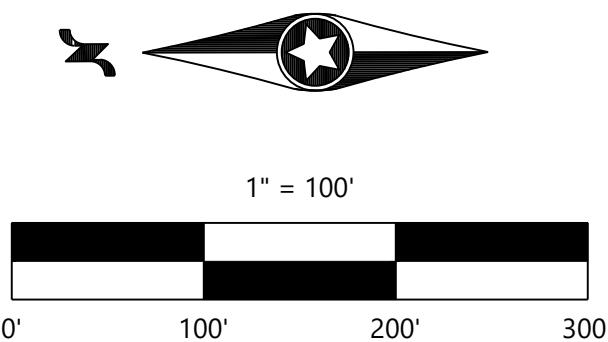


OVERALL UTILITY LEGEND

| EXISTING | PROPOSED | FUTURE |                |
|----------|----------|--------|----------------|
|          |          |        | SANITARY SEWER |
|          |          |        | STORM SEWER    |
|          |          |        | DRAIN TILE     |
|          |          |        | WATER MAIN     |
|          |          |        | HYDRANT        |

GENERAL UTILITY NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OF ANY DIFFERENCES.
2. UNLESS OTHERWISE NOTED, ALL MATERIALS, CONST. TECHNIQUES AND TESTING SHALL CONFORM TO THE 2013 ED. OF THE "STANDARD UTILITIES SPECIFICATIONS FOR WATER MAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION BY THE CITY ENGINEERING ASSOCIATION OF MINN." AND TO THE "STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION" MINN. DEPT. OF TRANS., AUGUST 31, 2016 INCLUDING THE CURRENT ADDENDUM. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW ALL PROCEDURES AS OUTLINED BY THE LOCAL AGENCY.
3. THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMITS FOR ALL WORK OUTSIDE OF THE PROPERTY LIMITS.
4. VERIFY EXISTING INVERT LOCATION & ELEVATION PRIOR TO BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR FOR UTILITY LOCATIONS PRIOR TO UTILITY INSTALLATION.



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 100'  
VERTICAL SCALE: 20' OR 10'

INITIAL ISSUE: 03/21/23  
REVISIONS:  
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PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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  
  
JOHN H. BENDER  
DATE: 03/21/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND ADDITION**  
CHASKA, MN

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 [westwoodps.com](http://westwoodps.com)  
Westwood Professional Services, Inc.

SIGNAGE PLAN

PROJECT NUMBER: 0027067.02

SHEET NUMBER:

22 OF 22

DATE: 03/21/23



# FINAL PLANS

FOR

# LANDSCAPE PLANS

FOR

# RIVERTOWN HEIGHTS

CHASKA, MN

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044  
CONTACT: MIKE SUEL  
PHONE: 952-985-7823  
EMAIL: MSUEL@DRHORTON.COM

PREPARED BY:  
**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 [westwoodps.com](http://westwoodps.com)  
Westwood Professional Services, Inc.

PROJECT NUMBER: 0027067.00  
CONTACT: CORY MEYER



Vicinity Map  
(NOT TO SCALE)

**SHEET INDEX**

| Sheet List Table |                           |
|------------------|---------------------------|
| SHEET NUMBER     | SHEET TITLE               |
| 1                | COVER                     |
| 2                | OVERALL LANDSCAPE PLAN    |
| 3                | LANDSCAPE PLAN            |
| 4                | LANDSCAPE PLAN            |
| 5                | LANDSCAPE PLAN            |
| 6                | LANDSCAPE PLAN            |
| 7                | LANDSCAPE NOTES & DETAILS |

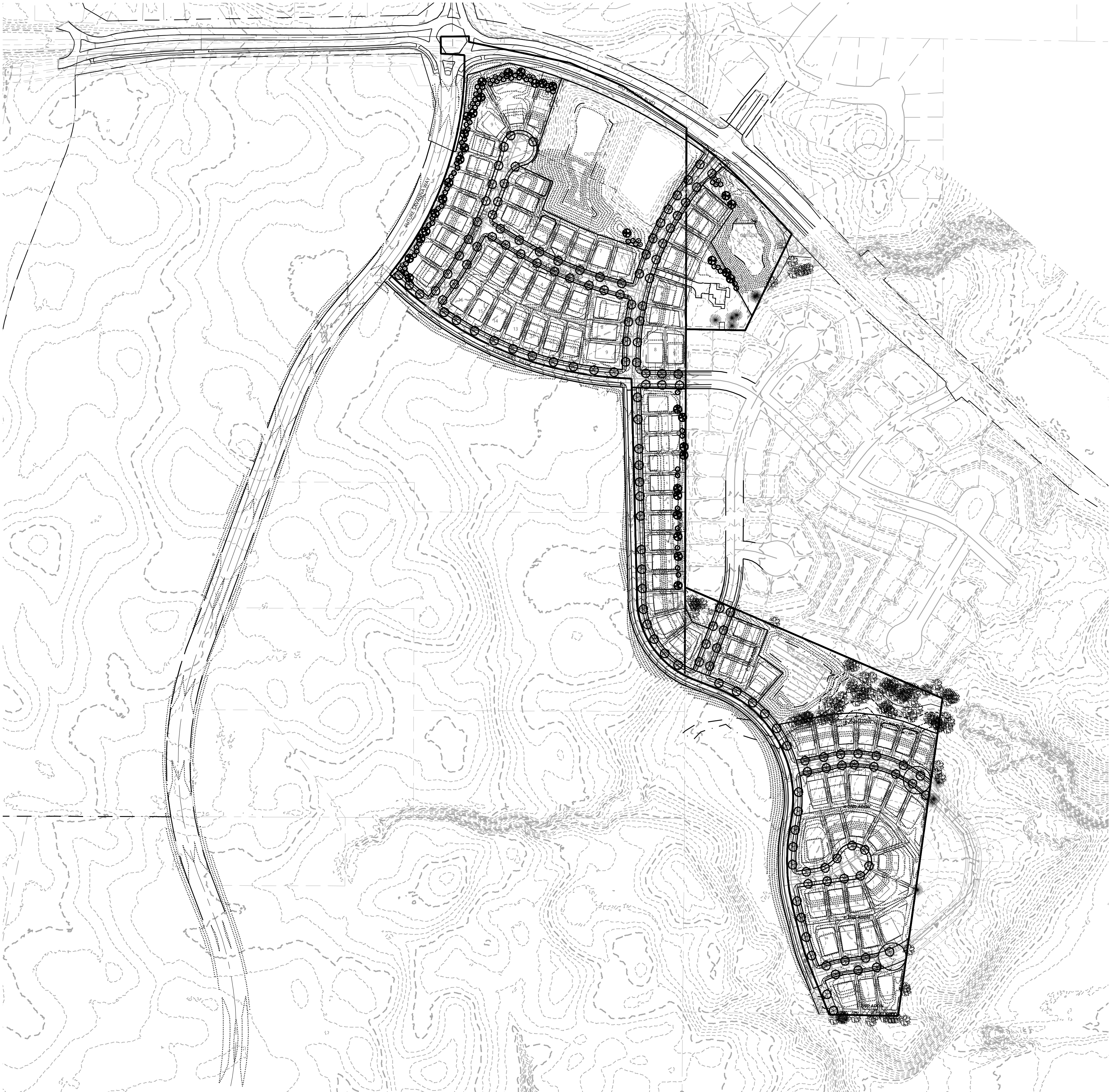
| NO. | DATE       | REVISION            | SHEETS |
|-----|------------|---------------------|--------|
| 1   | 07/07/2022 | UPDATED SITE LAYOUT | ALL    |
| 2   | 10/03/2022 | UPDATED BUFFER      | ALL    |
| 3   | 03/22/2023 | UPDATED SITE LAYOUT | ALL    |
|     | -          | -                   |        |
|     | -          | -                   |        |
|     | -          | -                   |        |
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FINAL PLANS  
FOR

LANDSCAPE PLANS

FOR  
RIVERTOWN HEIGHTS  
CHASKA, MN





Call 48 Hours before digging:  
811 or call811.com  
Common Ground Alliance

### PLANT SCHEDULE

| SYMBOL                          | QTY. | COMMON/BOTANICAL NAME                                             | SIZE             | SPACING O.C. | SPACING O.C.        |
|---------------------------------|------|-------------------------------------------------------------------|------------------|--------------|---------------------|
| OVERSTORY DECIDUOUS TREES - 185 |      |                                                                   |                  |              |                     |
| SGM                             | 19   | Sienna Glen Maple / Acer x freemanii 'Sienna'                     | 2.5" BB          | AS SHOWN     | H 40'-50' W 35'-40' |
| ABM                             | 8    | Autumn Blaze Maple / Acer x freemanii 'Jeffersred'                | 2.5" BB          | AS SHOWN     | H 50'-60' W 40'     |
| FFM                             | 22   | Fall Fiesta Maple / Acer saccharum 'Baista'                       | 2.5" BB          | AS SHOWN     | H 50'-75' W 50'     |
| SKH                             | 17   | Skyline Honeylocust / Gleditsia tricanthos var. inermis 'Skycole' | 2.5" BB          | AS SHOWN     | H 50' W 35'-40'     |
| REO                             | 32   | Red Oak / Quercus rubra                                           | 2.5" BB          | AS SHOWN     | H 50'-70' W 40'-50' |
| SWO                             | 23   | Swamp White Oak / Quercus bicolor                                 | 2.5" BB          | AS SHOWN     | H 50'-60' W 40'     |
| WHO                             | 8    | White Oak / Quercus alba                                          | 2.5" BB          | AS SHOWN     | H 50'-60' W 40'     |
| ACE                             | 22   | Accolade Elm / Ulmus japonica x wilsoniana 'Morton'               | 2.5" BB          | AS SHOWN     | H 70' W 40'-50'     |
| RVB                             | 9    | River Birch / Betula nigra                                        | 10' HT. BB CLUMP | AS SHOWN     | H 50'-75' W 50'     |
| HAK                             | 19   | Hackberry / Celtis occidentalis                                   | 2.5" BB          | AS SHOWN     | H 50'-75' W 50'     |
| RML                             | 6    | Redmond Linden / Tilia americana 'Redmond'                        | 2.5" BB          | AS SHOWN     | H 40'-60' W 30'     |
| BUFFER EVERGREEN TREES - 67     |      |                                                                   |                  |              |                     |
| BHS                             | 13   | Black Hills Spruce / Picea glauca densata                         | 6' HT., BB       | AS SHOWN     | H 30'-40' W 20'-30' |
| NOS                             | 15   | Norway Spruce / Picea abies                                       | 6' HT., BB       | AS SHOWN     | H 60'-80' W 25'-30' |
| COS                             | 10   | Concolor Fir / Abies concolor                                     | 6' HT., BB       | AS SHOWN     | H 40'-60' W 15'-30' |
| WHP                             | 14   | White Pine / Pinus strobus                                        | 6' HT., BB       | AS SHOWN     | H 50'-80' W 30'-40' |
| NOP                             | 6    | Norway Pine / Pinus resinosa                                      | 6' HT., BB       | AS SHOWN     | H 60'-80' W 25'-30' |
| POP                             | 9    | Ponderosa Pine / Pinus ponderosa                                  | 6' HT., BB       | AS SHOWN     | H 60'-80' W 25'-30' |
| ORNAMENTAL TREES - 14           |      |                                                                   |                  |              |                     |
| TCH                             | 4    | Thornless Cockspur Hawthorn / Crataegus crusgalli 'Inermis'       | 2" BB            | AS SHOWN     | H 15'-20' W 15'-20' |
| SDC                             | 3    | Snowdrift Crab / Malus 'Snowdrift'                                | 2" BB            | AS SHOWN     | H 20' W 20'         |
| PFC                             | 7    | Prairifire Crab / Malus 'Prairifire'                              | 2" BB            | AS SHOWN     | H 20' W 20'         |

NOTES: QUANTITIES ON PLAN SUPERSEDE LIST QUANTITIES IN THE EVENT OF A DISCREPANCY.

### Single Family Landscape Requirements

SINGLE FAMILY RESIDENTIAL SUBDIVISION REQUIREMENTS: 199 TREES  
- ONE OVERSTORY DECIDUOUS TREE PER EVERY FIFTY (50) FEET  
ALONG PUBLIC STREETS, ON EACH SIDE, MINIMUM 2 1/4" CALIPER.  
THE TREES MAY BE DISTRIBUTED THROUGHOUT THE SUBDIVISION  
AND NEED NOT NECESSARILY BE SPACED FIFTY (50) FEET APART.  
(9,908 LINEAR FEET OF FRONTAGE)

### Single Family Landscape Provisions

|                                           |           |
|-------------------------------------------|-----------|
| TOTAL SINGLE FAMILY LANDSCAPING PROVIDED: | 266 TREES |
| * STREET TREES:                           | 150 TREES |
| * BUFFER DECIDUOUS TREES:                 | 35 TREES  |
| * BUFFER EVERGREEN TREES:                 | 67 TREES  |
| * BUFFER ORNAMENTAL TREES:                | 14 TREES  |

NOTES:

- TIMING OF PLANT INSTALLATION WILL BE DEPENDENT UPON SEASON AND PLANT AVAILABILITY.
- ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
- NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- ALL STREET TREES SHALL BE INSTALLED IN FRONT OF INDIVIDUAL SINGLE FAMILY LOTS 2.5' FROM BACK OF CURB AND IN FRONT OF SIDEWALK IN THE BOULEVARD. STREET TREES SHALL BE PLANTED IN A LOCATION THAT DOES NOT INTERFERE WITH CURBSTOPS, INDIVIDUAL SEWER & WATER CONNECTIONS, OR DRIVEWAY LOCATIONS.

### Native Seeding Legend

STORMWATER NATIVE  
SEED MIX (33-261)  
TOTAL AREA (2.2 AC)

MESIC PRAIRIE GENERAL  
SEED MIX (35-241)  
TOTAL AREA (2.0 AC)

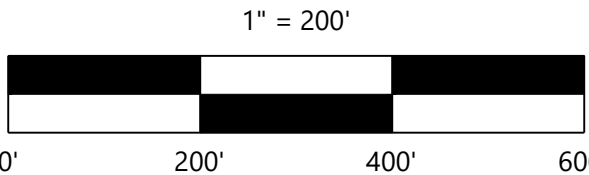
GENERAL ROADSIDE SEED  
MIX (25-141)  
TOTAL AREA (1.6 AC)

\* ALL DISTURBED AREAS TO BE SODDED UNLESS NOTED OTHERWISE

\* DISTURBANCE IN COUNTY R.O.W. SHOULD BE RESEEDED WITH LOW MAINTENANCE TURF.

### Plant Legend

- OVERSTORY DECIDUOUS STREET TREE
- LARGE OVERSTORY DECIDUOUS TREE
- OVERSTORY BUFFER EVERGREEN TREE
- SMALL OVERSTORY TREE



CONSTRUCTION DOCUMENTS

DESIGNED: FDH II  
CHECKED: FDH II  
DRAWN: ACB  
HORIZONTAL SCALE: 200'  
VERTICAL SCALE: 40' OR 20'

INITIAL ISSUE: 05/25/2022  
REVISIONS:  
07/07/2022 UPDATED SITE LAYOUT  
10/03/2022 UPDATED BUFFER  
03/22/2023 UPDATED SITE LAYOUT

PREPARED FOR:

DR HORTON, INC. - MINNESOTA

20860 KENBRIDGE COURT, SUITE 100  
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CORY MEYER  
DATE: 03/22/2023 LICENSE NO. 26971

RIVERTOWN HEIGHTS

CHASKA, MN

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

OVERALL LANDSCAPE PLAN

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

2

OF

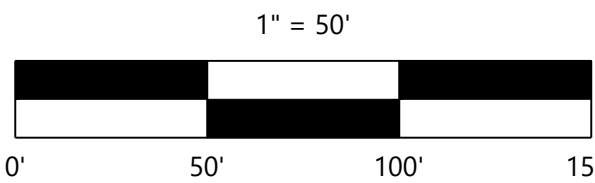
7

DATE: 03/22/2023





Call 48 Hours before digging:  
811 or call811.com  
Common Ground Alliance



CONSTRUCTION DOCUMENTS



RIVERTOWN HEIGHTS

DESIGNED: FDH II  
CHECKED: FDH II  
DRAWN: ACB  
HORIZONTAL SCALE: 50.0000001"  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 05/25/2022  
REVISIONS:  
07/07/2022 UPDATED SITE LAYOUT  
10/03/2022 UPDATED BUFFER  
03/22/2023 UPDATED SITE LAYOUT

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

I HEREBY CERTIFY THAT THIS PLAN 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

CORY MEYER  
DATE: 03/22/2023 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**

CHASKA, MN

**Westwood**

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Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

**LANDSCAPE PLAN**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

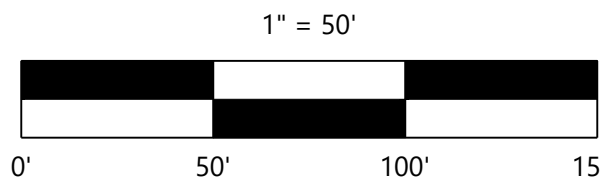
**3**

OF

**7**

DATE: 03/22/2023





CONSTRUCTION DOCUMENTS

Call 48 Hours before digging:  
811 or call811.com  
Common Ground Alliance

DESIGNED: FDH II  
CHECKED: FDH II  
DRAWN: ACB  
HORIZONTAL SCALE: 50.0000001"  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 05/25/2022  
REVISIONS:  
07/07/2022 UPDATED SITE LAYOUT  
10/03/2022 UPDATED BUFFER  
03/22/2023 UPDATED SITE LAYOUT

PREPARED FOR:  
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20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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OF THE STATE OF MINNESOTA  
CORY MEYER  
DATE: 03/22/2023 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**  
CHASKA, MN

**Westwood**  
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Fax (952) 937-5822 Minnetonka, MN 55343  
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Westwood Professional Services, Inc.

**LANDSCAPE PLAN**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

4

OF

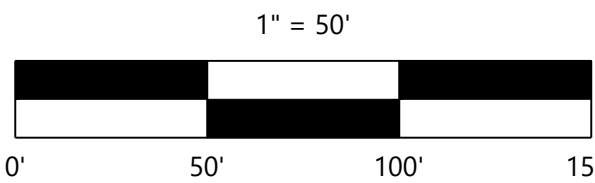
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DATE: 03/22/2023





Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance



CONSTRUCTION DOCUMENTS



DESIGNED: FDH II  
CHECKED: FDH II  
DRAWN: ACB  
HORIZONTAL SCALE: 50.0000002"  
VERTICAL SCALE: 10' OR 5'

INITIAL ISSUE: 05/25/2022  
REVISIONS:  
△ 07/07/2022 UPDATED SITE LAYOUT  
△ 10/03/2022 UPDATED BUFFER  
△ 03/22/2023 UPDATED SITE LAYOUT  
△

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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OF THE STATE OF MINNESOTA

CORY MEYER  
DATE: 03/22/2023 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**

CHASKA, MN

**Westwood**

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 [westwoodps.com](http://westwoodps.com)  
Westwood Professional Services, Inc.

**LANDSCAPE PLAN**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

**5**

OF

**7**

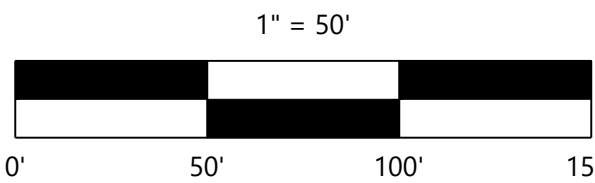
DATE: 03/22/2023

RIVERTOWN HEIGHTS





Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance



CONSTRUCTION DOCUMENTS



|                   |             |
|-------------------|-------------|
| DESIGNED:         | FDH II      |
| CHECKED:          | FDH II      |
| DRAWN:            | ACB         |
| HORIZONTAL SCALE: | 50.0000001" |
| VERTICAL SCALE:   | 10' OR 5'   |

|                |                                |
|----------------|--------------------------------|
| INITIAL ISSUE: | 05/25/2022                     |
| REVISIONS:     |                                |
| △              | 07/07/2022 UPDATED SITE LAYOUT |
| △              | 10/03/2022 UPDATED BUFFER      |
| △              | 03/22/2023 UPDATED SITE LAYOUT |
| △              |                                |
| △              |                                |

PREPARED FOR:

**DR HORTON, INC. - MINNESOTA**

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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CORY MEYER  
DATE: 03/22/2023 LICENSE NO. 26971

**RIVERTOWN HEIGHTS**

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**LANDSCAPE PLAN**

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

**6**

OF

**7**

DATE: 03/22/2023

RIVERTOWN HEIGHTS

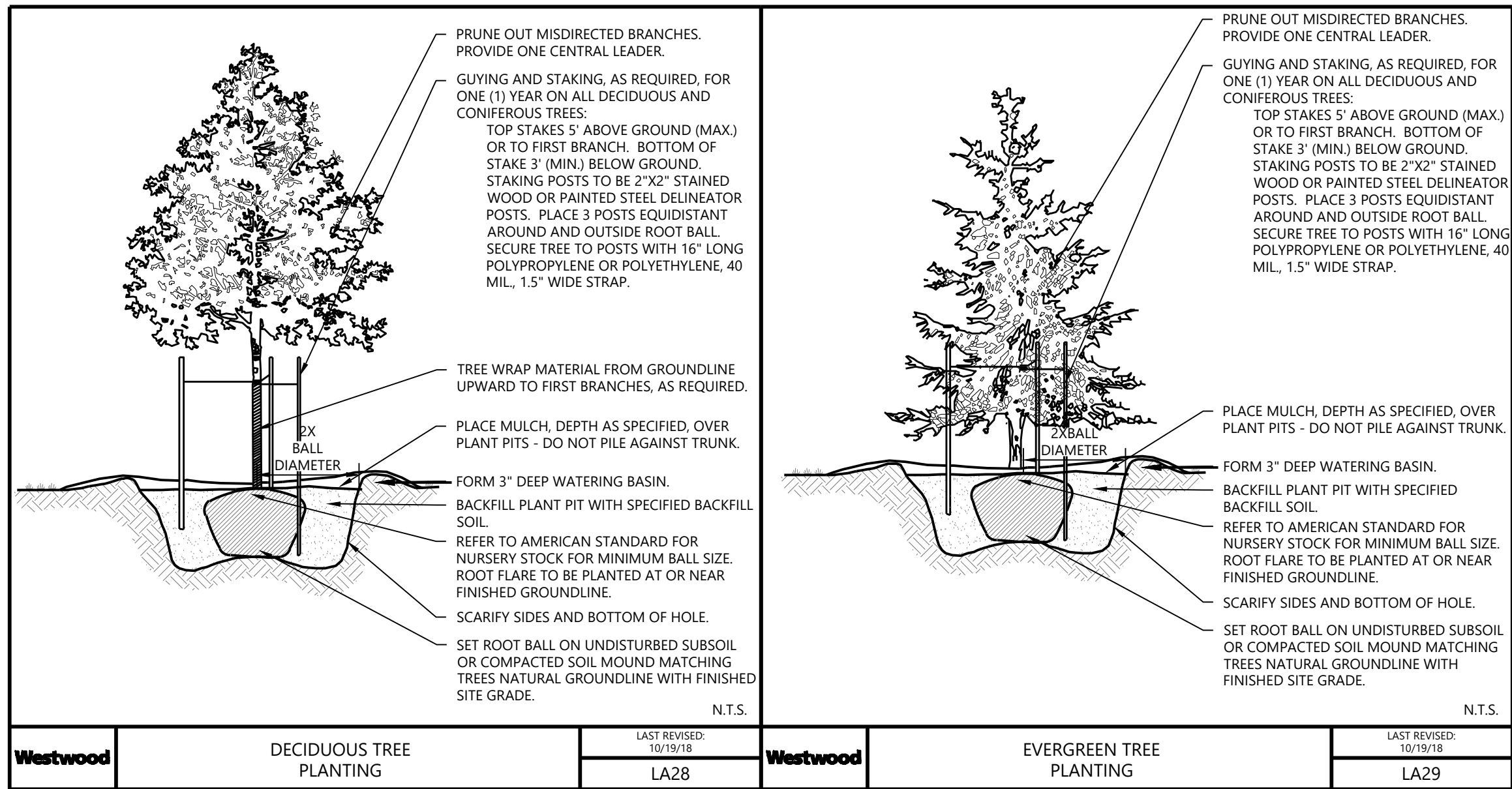


© 2021 Westwood Professional Services, Inc. N:\0027067\00.DWG\CIVIL\FINAL\LANDSCAPE\0027067S-FLP01.DWG

Planting Notes

1. CONTRACTOR SHALL CONTACT COMMON GROUND ALLIANCE AT 811 OR CALL811.COM TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.
2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S OR OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
6. ALL PLANTS TO BE SPECIMEN GRADE, MINNESOTA-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:  
ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.  
ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.  
ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.  
ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING.  
CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
7. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
8. PLANTS TO BE INSTALLED AS PER MNLA & ANSI STANDARD PLANTING PRACTICES.
9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
11. OPEN TOP OF BURLAP ON BB MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
13. WRAP ALL SMOOTH-BARKED TREES - FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
14. STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR.
15. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL AMENDMENTS.
16. BACKFILL SOIL AND TOPSOIL TO ADHERE TO MN/DOT STANDARD SPECIFICATION 3877 (SELECT TOPSOIL BORROW) AND TO BE EXISTING TOP SOIL FROM SITE FREE OF ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 4" DEPTH TOPSOIL FOR ALL LAWN GRASS AREAS AND 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.
17. MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, AND MAINTENANCE AREAS. TREE AND SHRUB PLANTING BEDS SHALL HAVE 4" DEPTH OF SHREDDED HARDWOOD MULCH. SHREDDED HARDWOOD MULCH TO BE USED AROUND ALL PLANTS WITHIN TURF AREAS. PERENNIAL AND ORNAMENTAL GRASS BEDS SHALL HAVE 2" DEPTH SHREDDED HARDWOOD MULCH. MULCH TO BE FREE OF DELETERIOUS MATERIAL AND COLORED RED, OR APPROVED EQUAL. ROCK MULCH TO BE BUFF LIMESTONE, 1/2" TO 3" DIAMETER, AT MINIMUM 3" DEPTH, OR APPROVED EQUAL. ROCK MULCH TO BE ON COMMERCIAL GRADE FILTER FABRIC, BY TYPE, OR APPROVED EQUAL WITH NO EXPOSURE. MULCH AND FABRIC TO BE APPROVED BY OWNER PRIOR TO INSTALLATION. MULCH TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
18. EDGING TO BE COMMERCIAL GRADE VALLEY-VIEW BLACK DIAMOND (OR EQUAL) POLY EDGING OR SPADED EDGE, AS INDICATED. POLY EDGING SHALL BE PLACED WITH SMOOTH CURVES AND STAKED WITH METAL SPIKES NO GREATER THAN 4 FOOT ON CENTER WITH BASE OF TOP BEAD AT GRADE, FOR MOWERS TO CUT ABOVE WITHOUT DAMAGE. UTILIZE CURBS AND SIDEWALKS FOR EDGING WHERE POSSIBLE. SPADED EDGE TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. INDIVIDUAL TREE, SHRUB, OR RAIN-GARDEN BEDS TO BE SPADED EDGE, UNLESS NOTED OTHERWISE. EDGING TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
19. ALL DISTURBED AREAS TO BE SODDED OR SEEDDED, UNLESS OTHERWISE NOTED. PARKING LOT ISLANDS TO BE SODDED WITH SHREDDED HARDWOOD MULCH AROUND ALL TREES AND SHRUBS. SOD TO BE STANDARD MINNESOTA GROWN AND HARDY BLUEGRASS MIX, FREE OF LAWN WEEDS. ALL TOPSOIL AREAS TO BE RAKED TO REMOVE DEBRIS AND ENSURE DRAINAGE. SLOPES OF 3:1 OR GREATER SHALL BE STAKED. SEED AS SPECIFIED AND PER MN/DOT SPECIFICATIONS. IF NOT INDICATED ON LANDSCAPE PLAN, SEE EROSION CONTROL PLAN.
20. PROVIDE IRRIGATION TO ALL PLANTED AREAS ON SITE. IRRIGATION SYSTEM TO BE DESIGN/BUILD BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE OPERATION MANUALS, AS-BUILT PLANS, AND NORMAL PROGRAMMING. SYSTEM SHALL BE WINTERIZED AND HAVE SPRING STARTUP DURING FIRST YEAR OF OPERATION. SYSTEM SHALL HAVE ONE YEAR WARRANTY ON ALL PARTS AND LABOR. ALL INFORMATION ABOUT INSTALLATION AND SCHEDULING CAN BE OBTAINED FROM THE GENERAL CONTRACTOR.
21. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
22. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.
23. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
24. RAIN GARDEN NOTE: PROVIDE AND INSTALL EROSION CONTROL BLANKET AT RAIN GARDEN AREA SIDE SLOPES AFTER ALL PLANTING HAVE BEEN INSTALLED. BLANKET TO BE ONE SEASON GEOJUTE, MN/DOT CATEGORY 2 (STRAW 1S, WOOD FIBER 1S), OR APPROVED EQUAL. BLANKET TO BE OVERLAPPED BY 4" AND ANCHORED BY SOD STAPLES. PLACE BLANKET PERPENDICULAR TO THE SLOPE. TRENCH IN EDGES OF BLANKET AREA TO PREVENT UNDER MINING. PROVIDE SILT FENCE AT TOP OF SLOPE AS NEEDED. SHREDDED HARDWOOD MULCH TO MATCH OTHER PROJECT PLANTING MULCH. PLACE 4" DEPTH OF MULCH AT ALL PLANTING AND EROSION CONTROL BLANKET AREA (NO FILTER FABRIC). SEE RAIN GARDEN DETAIL FOR FURTHER INFORMATION. RAIN GARDEN TO PROVIDE PROPER INFILTRATION AND DRAINAGE REQUIREMENTS PER ENGINEERS APPROVAL.

Landscape Planting Details



CONSTRUCTION DOCUMENTS

DESIGNED: FDH II  
CHECKED: FDH II  
DRAWN: ACB  
HORIZONTAL SCALE: #####  
VERTICAL SCALE: ### OR ##

INITIAL ISSUE: 05/25/2022  
REVISIONS:  
07/07/2022 UPDATED SITE LAYOUT  
10/03/2022 UPDATED BUFFER  
03/22/2023 UPDATED SITE LAYOUT

PREPARED FOR:

DR HORTON, INC. - MINNESOTA

20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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CORY MEYER  
DATE: 03/22/2023 LICENSE NO. 26971

RIVERTOWN HEIGHTS

CHASKA, MN

Westwood

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Westwood Professional Services, Inc.

LANDSCAPE NOTES & DETAILS

PROJECT NUMBER: 0027067.00

SHEET NUMBER:

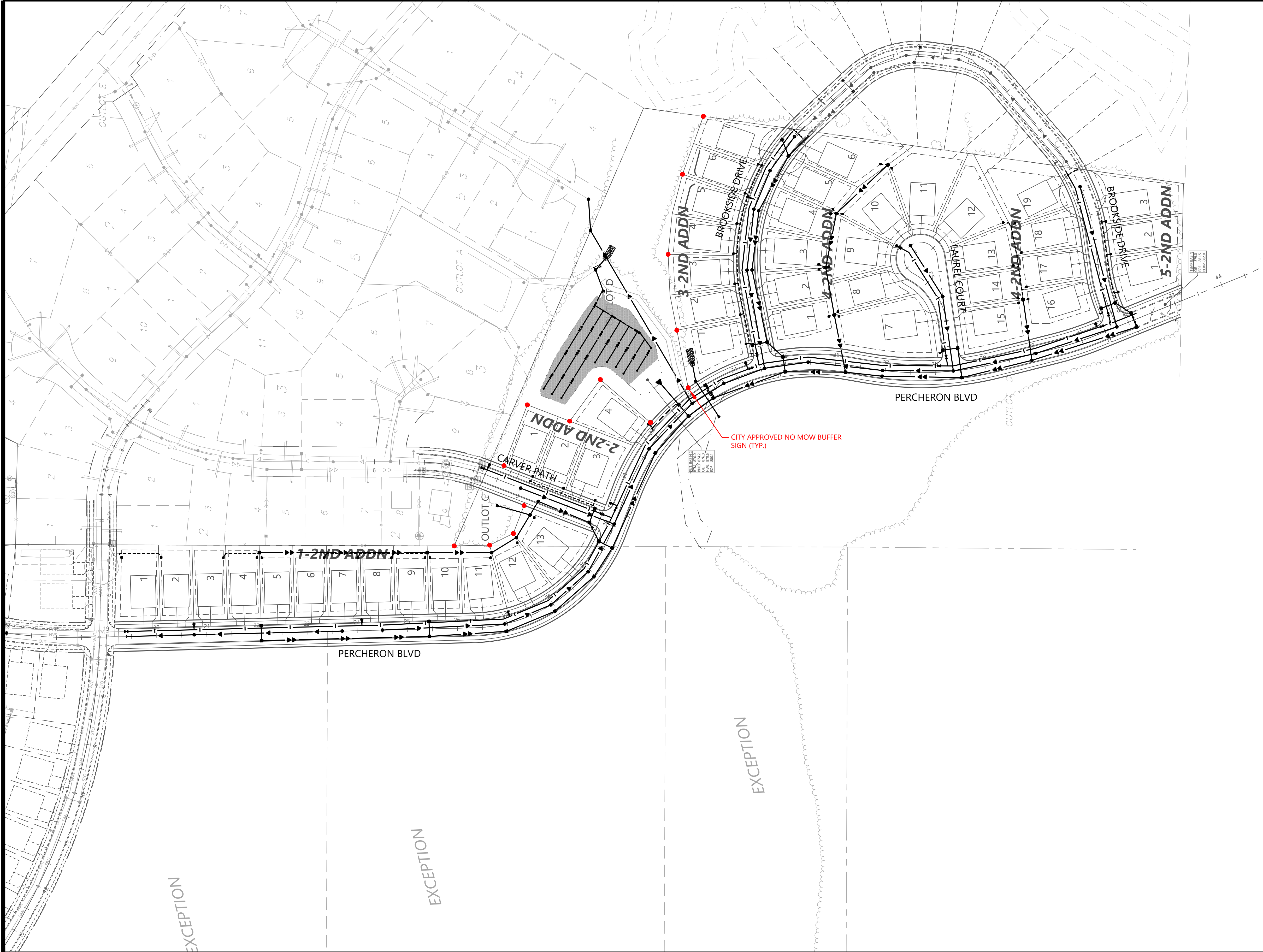
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OF

7

DATE: 03/22/2023



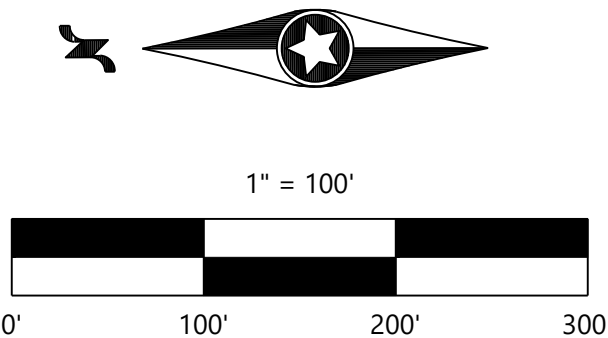


OVERALL UTILITY LEGEND

| EXISTING | PROPOSED | FUTURE |                |
|----------|----------|--------|----------------|
|          |          |        | SANITARY SEWER |
|          |          |        | STORM SEWER    |
|          |          |        | DRAIN TILE     |
|          |          |        | WATER MAIN     |
|          |          |        | HYDRANT        |

GENERAL UTILITY NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OF ANY DIFFERENCES.
2. THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMITS FOR ALL WORK OUTSIDE OF THE PROPERTY LIMITS.
3. THE CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR FOR UTILITY LOCATIONS PRIOR TO UTILITY INSTALLATION.



CONSTRUCTION PLANS

DESIGNED: FDH II  
CHECKED: JHB  
DRAWN: CTY  
HORIZONTAL SCALE: 100'  
VERTICAL SCALE: 20' OR 10'

INITIAL ISSUE: 04/28/23  
REVISIONS:  
△  
△  
△  
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△

PREPARED FOR:  
**DR HORTON, INC. - MINNESOTA**  
20860 KENBRIDGE COURT, SUITE 100  
LAKEVILLE, MINNESOTA 55044

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OF THE STATE OF MINNESOTA  
  
JOHN H. BENDER  
DATE: 4/28/23 LICENSE NO. 43358

**RIVERTOWN HEIGHTS 2ND  
ADDITION**  
CHASKA, MN

**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

BUFFER SIGN PLAN

PROJECT NUMBER: 0027067.02

SHEET NUMBER:  
**1** OF **1**  
DATE: 4/28/23

# REQUEST FOR ACTION CHASKA CITY COUNCIL 5/15/2023

**Subject: Construction Plans for North Water Treatment Plant – Authorizing Solicitation of Bids**

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

---

Back in January the City reviewed and accepted the application for the new water treatment plant. The construction plans attached are consistent with previous presentations for constructing the new 2.5 MGD (million-gallon-per-day) water treatment plant and water supply well. The new plant and supporting well are in conformance with the City's comprehensive water supply plan as critical systematic improvements to providing adequate treatment capacity to meet the growing demand for potable water in the community.

The action for the Council is to approve the construction plans and authorize bidding for the project. After bids are received, staff will be reviewing the overall project costs and provide recommendations to the council prior to award of the contract. If the costs are acceptable, the overall timeline to construct the new facility will extend over a two-year period with the plant being operational in 2025.

## **CITY COUNCIL ACTION REQUESTED**

Motion to adopt Resolution No. 2023-51- Approving the Construction Documents for the North Water Treatment Plant, and Authorizing the Solicitation of Public Bids.

**CITY OF CHASKA**  
CARVER COUNTY, MINNESOTA

**RESOLUTION**

**DATE** 5/15/2023 **RESOLUTION NO.** 2023-51

**MOTION BY COUNCILMEMBER** \_\_\_\_\_ **SECOND BY COUNCILMEMBER** \_\_\_\_\_

---

**A Resolution Approving the Plans & Specifications and Authorizing Bids  
for the North Water Treatment Plant**

---

WHEREAS, pursuant to City Council authorization, the City Engineer has prepared plans and specifications for North Water Treatment Plant 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 Stantec Engineering, 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.

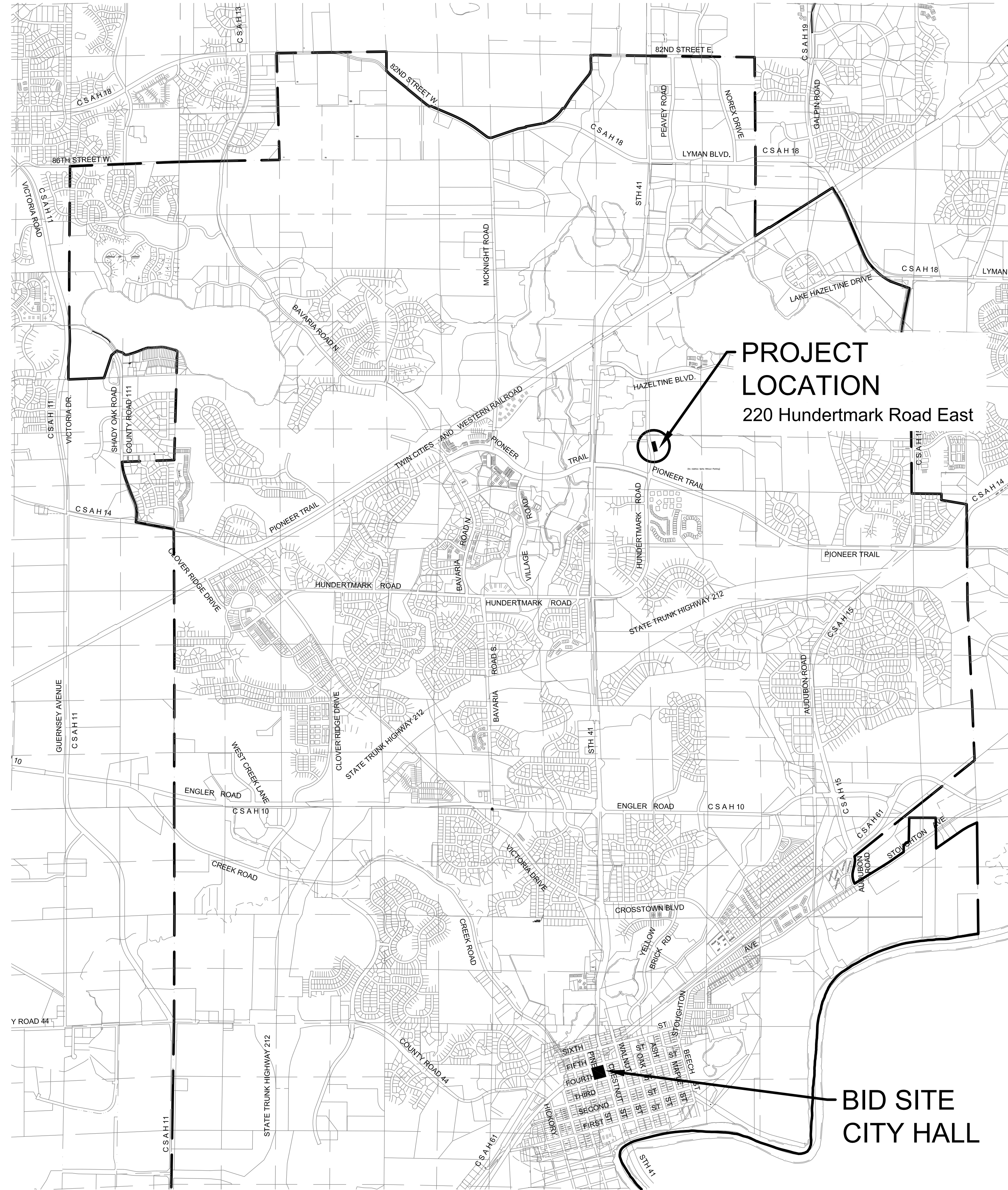
Passed and adopted by the City Council of the City of Chaska, Minnesota, this 15th day of May 2023.

\_\_\_\_\_  
Mark Windschitl, Mayor

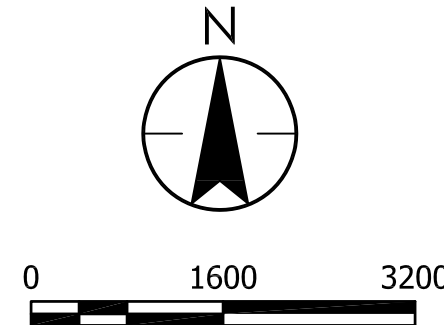
Attest: \_\_\_\_\_  
Deputy Clerk



Plot Date: 05/10/2023 - 2:22pm  
Drawing name: C:\Users\sgay\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\Project Files\01\_WTP\01\_general\sheet\_files\193805386G001.dwg

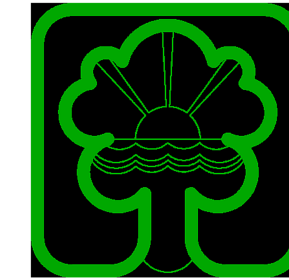


# CHASKA, MINNESOTA



# CITY OF CHASKA

## CHASKA NORTH WATER TREATMENT PLANT



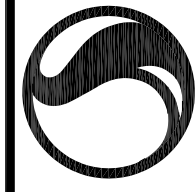
**PROJECT LOCATION**  
220 Hundertmark Road East

- BID SITE  
CITY HALL



**Know what's below.  
Call before you dig.**  
CALL GOPHER ONE CALL  
BEFORE DIGGING AT 811

| NO                          |  | REVISION  | DATE |
|-----------------------------|--|-----------|------|
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|                             |  |           |      |
|                             |  |           |      |
|                             |  | SURVEY    | BW   |
|                             |  | DRAWN     | CWF  |
|                             |  | DESIGNED  | RJC  |
|                             |  | CHECKED   | AGO  |
|                             |  | APPROVED  | ESL  |
| PROJ. NO.                   |  | 193805386 |      |
| SHEET NUMBER<br><b>G001</b> |  |           |      |



733 Marquette Avenue, Suite 1000  
Minneapolis, MN 55402  
[www.stantec.com](http://www.stantec.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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: ERIC S. LEMBKE

G. L. H.

SIGNATURE: Lee J. Moore LIC. NO. 42748

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
TITLE SHEET AND VICINITY MAP

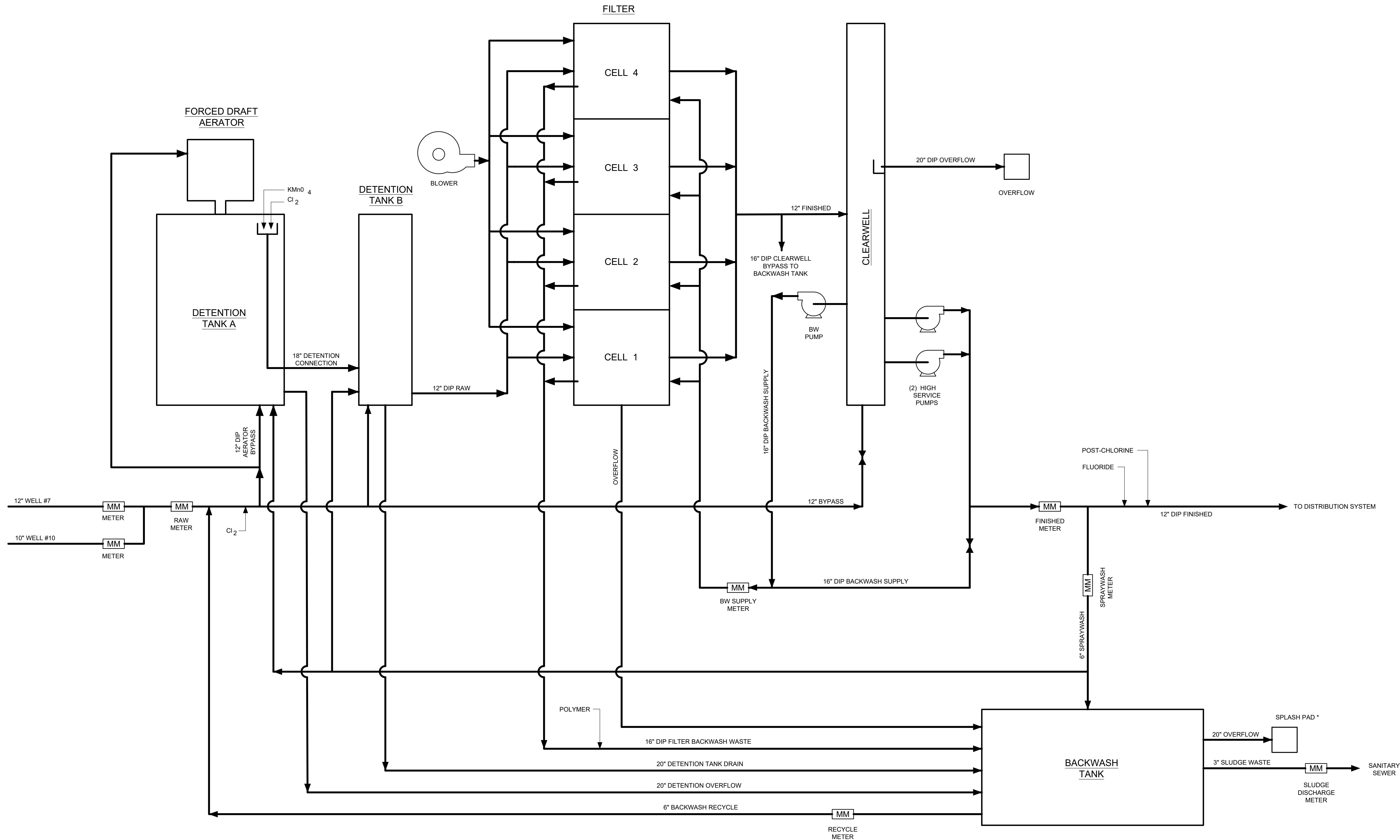


| SHEET LIST (CONTINUED) |                                               |
|------------------------|-----------------------------------------------|
| SHEET #                | ELECTRICAL (CONTINUED)                        |
| E628                   | ELECTRICAL DETAILS                            |
| E701                   | ELECTRICAL ONE LINE DIAGRAM                   |
| E707                   | ELECTRICAL PANELBOARD SCHEDULE                |
| E708                   | ELECTRICAL CONDUIT AND WIRE SCHEDULE          |
| E709                   | ELECTRICAL LUMINAIRE SCHEDULE                 |
|                        |                                               |
| SHEET #                | INSTRUMENTATION & CONTROL                     |
| N001                   | SYMBOL AND LEGEND SHEET I                     |
| N002                   | SYMBOL AND LEGEND SHEET II                    |
| N003                   | SYMBOL AND LEGEND SHEET III                   |
| N004                   | SYMBOL AND LEGEND SHEET IV                    |
| N005                   | STANDARD WIRING DETAILS I                     |
| N006                   | STANDARD WIRING DETAILS II                    |
| N007                   | CONTROL RISER DIAGRAM                         |
| N501                   | STANDARD INSTALLATION DETAILS SHEET I         |
| N502                   | STANDARD INSTALLATION DETAILS SHEET II        |
| N503                   | STANDARD INSTALLATION DETAILS SHEET III       |
| N504                   | STANDARD INSTALLATION DETAILS SHEET IV        |
| N505                   | STANDARD INSTALLATION DETAILS SHEET V         |
| N506                   | STANDARD INSTALLATION DETAILS SHEET VI        |
| N507                   | STANDARD INSTALLATION DETAILS SHEET VII       |
| N508                   | STANDARD INSTALLATION DETAILS SHEET VIII      |
| N509                   | STANDARD INSTALLATION DETAILS SHEET IX        |
| N510                   | STANDARD INSTALLATION DETAILS SHEET X         |
| N511                   | STANDARD INSTALLATION DETAILS SHEET XI        |
| N512                   | STANDARD INSTALLATION DETAILS SHEET XII       |
| N513                   | STANDARD INSTALLATION DETAILS SHEET XIII      |
| N514                   | STANDARD INSTALLATION DETAILS SHEET XIV       |
| N601                   | PLC SCP ENCLOSURE FRONT                       |
| N602                   | PLC SCP ENCLOSURE LAYOUT                      |
| N604                   | TYPICAL PLC PANEL POWER DISTRIBUTION          |
| N701                   | WELL PUMP 7 &10 P&ID                          |
| N702                   | AERATION TOWER P&ID                           |
| N703                   | FILTER NO 1 P&ID                              |
| N704                   | FILTER NO 2 P&ID                              |
| N705                   | FILTER NO 3 P&ID                              |
| N706                   | FILTER NO 4 P&ID                              |
| N707                   | CLEARWELL AND SERVICE PUMPS P&ID              |
| N708                   | BACKWASH PUMP P&ID                            |
| N709                   | BACKWASH TANK P&ID                            |
| N710                   | AIR WASH BLOWER PID                           |
| N720                   | POTASSIUM PERMANGANATE P&ID                   |
| N722                   | FLUORIDE SYSTEM P&ID                          |
| N723-01                | SODIUM HYPOCHLORITE SYSTEM SHEETS 1 OF 2 P&ID |
| N723-02                | SODIUM HYPOCHLORITE SYSTEM SHEETS 2 OF 2 P&ID |
| N724                   | POLYMER SYSTEM P&ID                           |
| N728                   | MISCELLANEOUS SYSTEM MONITORING P&ID          |

Page 148 of 40



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\* ALL OVERFLOWS DIRECT TO ONE  
COMMON OVERFLOW PAD

[illegible]

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| SURVEY    |           |
| DRAWN     | MP        |
| DESIGNED  | AMH       |
| CHECKED   | RJC       |
| APPROVED  | RJC       |
| PROJ. NO. | 193805386 |

SHEET NUMBER

G-201

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PRINT NAME- RYAN J. CAPELLE

11

SIGNATURE: 

DATE: 05/09/2023 LIC. NO. 43142

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
GENERAL  
PROCESS FLOW DIAGRAM



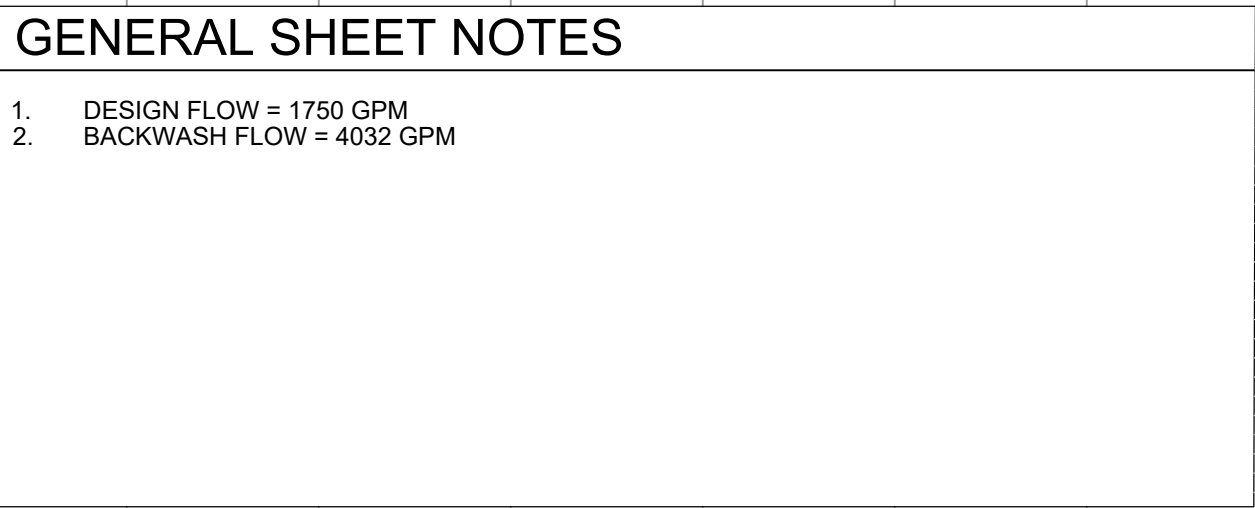
CCZ Management Ltd. A company of

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Minneapolis, MN 55402

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Kreits, 193805386\_bdr, 193805386-md-rh-I-section 45



PRINT NAME: NITAY J. GATTEL

SIGNATURE: 

DATE: 05/09/2023 LIC. NO. 43142

## HYDRAULIC PROFILE

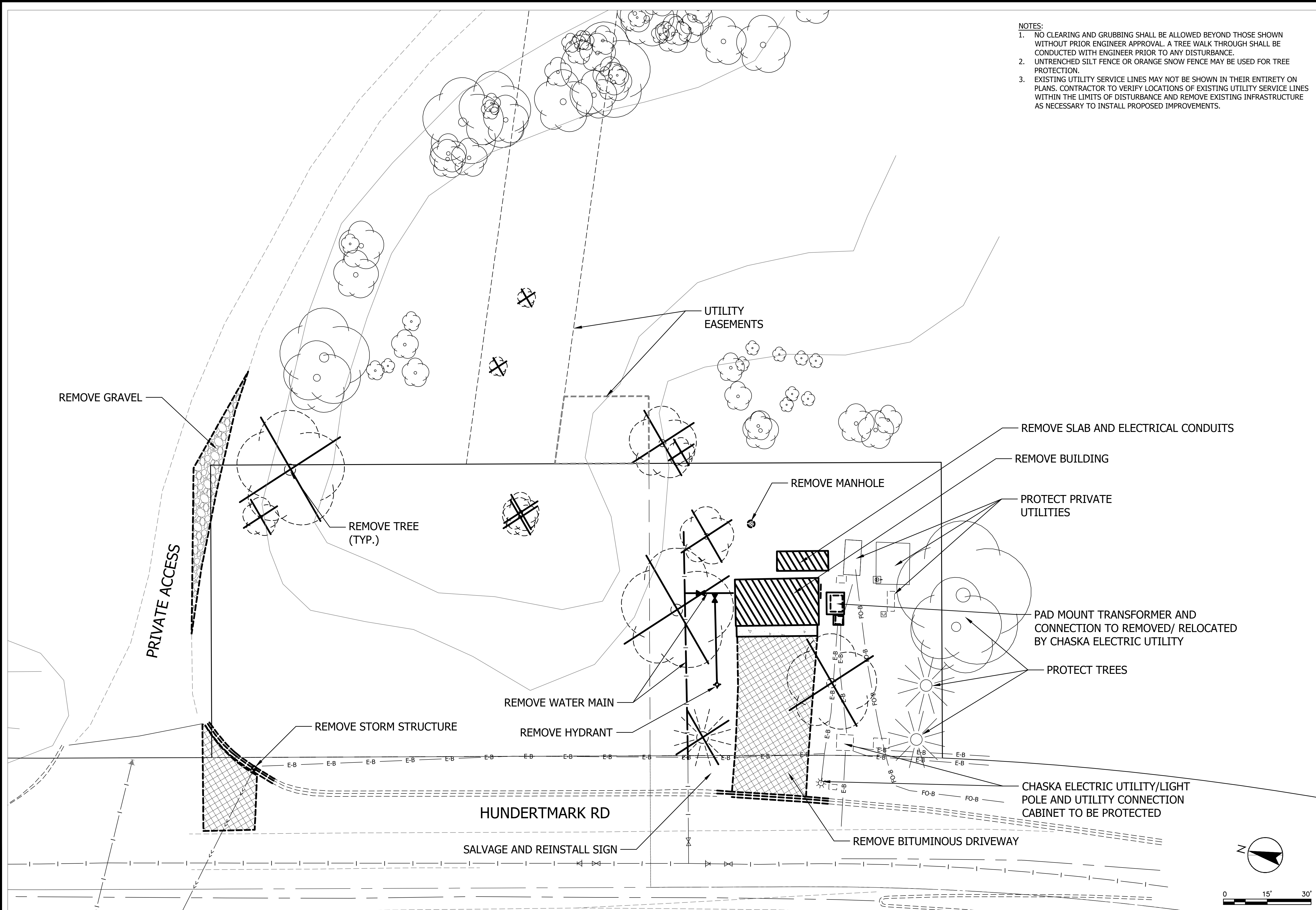
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Drawing name: C:\ACADocs\Startec Consulting\193805384\_WTP\_Chacko\01\_WIP\04\_civil\sheet\_files\193805384-C002 CIVIL EXISTING SITE AND DEMOLITION PLAN.dwg



**NOTES:**

1. NO CLEARING AND GRUBBING SHALL BE ALLOWED BEYOND THOSE SHOWN WITHOUT PRIOR ENGINEER APPROVAL. A TREE WALK THROUGH SHALL BE CONDUCTED WITH ENGINEER PRIOR TO ANY DISTURBANCE.
2. UNTRENCHED SILT FENCE OR ORANGE SNOW FENCE MAY BE USED FOR TREE PROTECTION.
3. EXISTING UTILITY SERVICE LINES MAY NOT BE SHOWN IN THEIR ENTIRETY ON PLANS. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITY SERVICE LINES WITHIN THE LIMITS OF DISTURBANCE AND REMOVE EXISTING INFRASTRUCTURE AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS.



Plot Date: 05/10/2023 - 8:12am  
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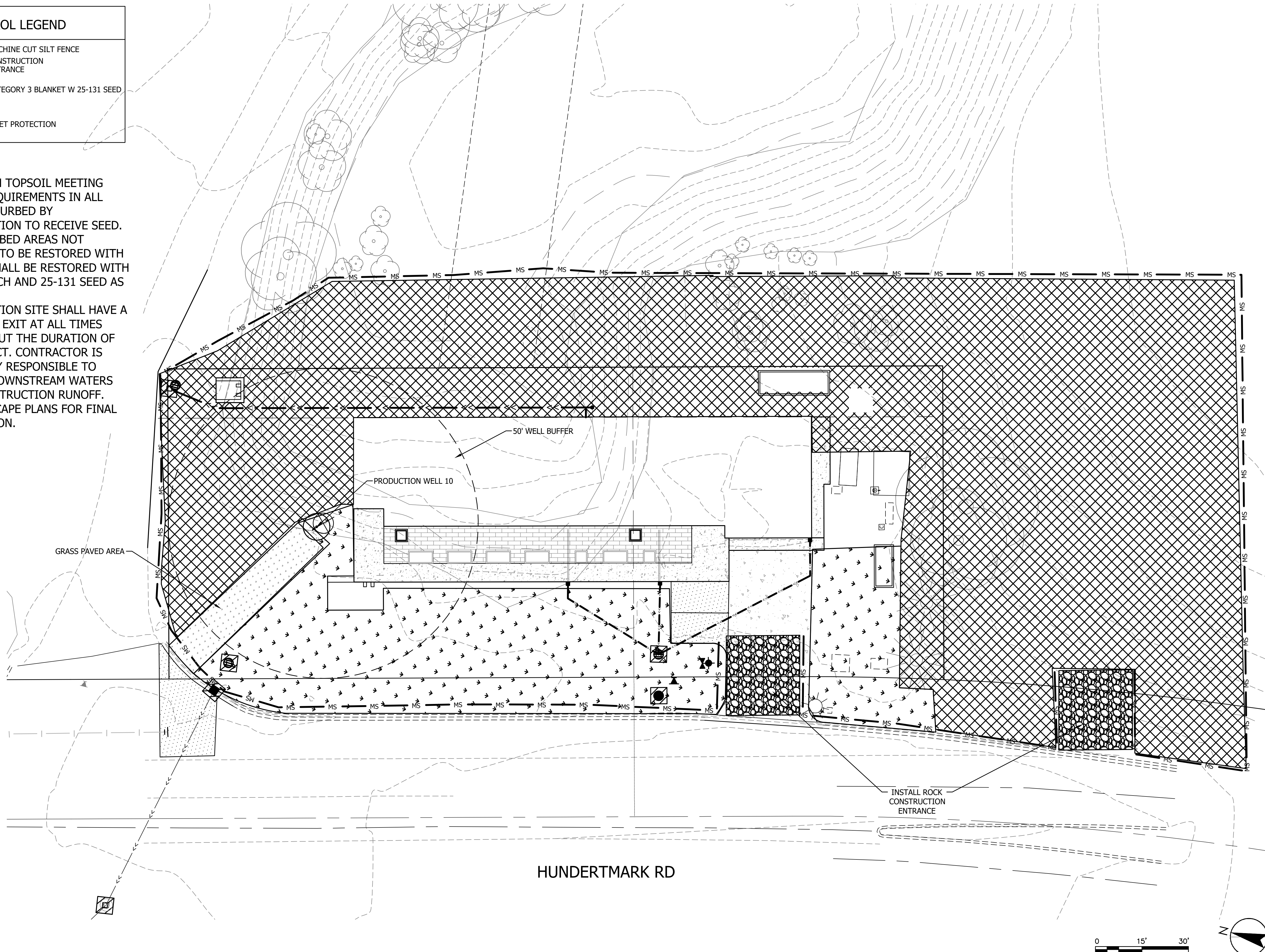
MS

MACHINE CUT SILT FENCE  
CONSTRUCTION  
ENTRANCE

CATEGORY 3 BLANKET W 25-131 SEED

INLET PROTECTION

1. 6" MINIMUM TOPSOIL MEETING CCWMO REQUIREMENTS IN ALL AREAS DISTURBED BY CONSTRUCTION TO RECEIVE SEED.
2. ALL DISTURBED AREAS NOT INDICATED TO BE RESTORED WITH BLANKET SHALL BE RESTORED WITH HYDROMULCH AND 25-131 SEED AS SPECIFIED.
3. CONSTRUCTION SITE SHALL HAVE A STABILIZED EXIT AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROTECT DOWNSTREAM WATERS FROM CONSTRUCTION RUNOFF.
4. SEE LANDSCAPE PLANS FOR FINAL RESTORATION.





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# EROSION AND SEDIMENT CONTROL – CONSTRUCTION ACTIVITY REQUIREMENTS

## CHAIN OF COMMAND

1. The contractor will need to identify a Mn/DOT certified erosion control supervisor in good standing who will be knowledgeable and experienced in the application of erosion prevention and sediment control best management practices.
2. The erosion control supervisor will work with the project engineer to oversee the implementation of the SWPPP, and the installation, inspection, and maintenance of the erosion prevention and sediment control bmps before and during construction.

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.

## CONTACT LIST

City Project Engineer - Matt Clark - (952) 448-4335  
City Inspector - Bradley Fasbender - (651) 238-0603  
Contractor - TBD  
MPCA Contact - Tom Genelin - (952) 466-5259  
Watershed District Contact - Terry Jeffery - (952) 807-6885

## EROSION PREVENTION PRACTICES

1. Appropriate construction practices will be used to minimize erosion. Areas of non-disturbance will be delineated (e.g. with flags, stakes, signs, silt fence etc.) on the development site before work begins.
2. The contractor will stabilize all exposed soil areas as soon as possible to limit soil erosion but in no case later than (7) days after the construction activity in that portion of the site has temporarily or permanently ceased. temporary stockpiles without significant silt, clay or organic components and the constructed base components of roads, parking lots and similar surfaces are exempt from this requirement.
3. Outlets into surface waters shall be stabilized with energy dissipation within 24 hours.
4. All areas not being worked for a period of (7) days or more shall be temporary stabilized with the appropriate means to prevent soil loss.

## SEDIMENT CONTROL PRACTICES

Sediment control devices must be established on all down gradient perimeters before any up gradient land disturbing activities begin. the timing of the installation of the sediment control devices can be adjusted to accommodate short-term activities such as clearing and grubbing, or passage of vehicles. any short term activity must be completed as quickly as possible and the sediment control devices must be installed immediately after the activity is completed or prior to the next rainfall event.

- A. Sediment damage from stockpiles will be minimized by placing a row of silt fence 5 feet from the toe.
- B. All stockpiles left for a period of 7 days shall be temporarily stabilized.
- C. All storm drain inlets will be protected by appropriate BMPs during construction until all sources with potential for discharging to the inlet have been stabilized. Inlet protection will be removed for a particular inlet if a specific safety concern (street flooding/freezing) has been identified and written correspondence has been received from the jurisdictional authority verifying the need for removal. The written correspondence will be documented in Section P of the SWPPP or available within 72 hours upon request. If written correspondence can not be obtained in a timely manner, the specific inlet protection will be removed to alleviate immediate safety concerns. Efforts to obtain written correspondence will be documented in the SWPPP. Permission to remove inlet protection based on specific safety concerns will still be obtained from the jurisdictional authority within 30 days of removal

Vehicle tracking of sediment from the construction site will be minimized using appropriate BMPs. Street sweeping will be used if such **BMPs** are not adequate to prevent sediment from being tracked onto the street

## EROSION AND SEDIMENT CONTROL SEQUENCING

Grading and Utility - Silt fence, construction entrance, ditch checks and/or other suitable perimeter sediment control measures must be installed prior to the start of any grading or land disturbing activity. If needed, temporary stabilization must be established by seed and mulch, and erosion control blanket as specified in plan sheets within the required stabilization timeframes.

As soon as possible, final stabilization measures will be installed per the plans. Temporary measures will remain in place until all areas have reached final stabilization which is 70% annual vegetative cover or more.

## DEWATERING AND BASIN DRAINING

Any dewatering or basin draining activities of turbid or sediment laden water must be discharged to a temporary or permanent sedimentation basin or treated with the appropriate BMP prior to entering surface waters. Energy dissipation will be provided at all discharge points. Dewatering or basin draining activities may not cause nuisance conditions, erosion in receiving channels or on downslope properties, or adversely impact wetlands. The Contractor will consult with Engineer/Owner to obtain approval prior to performing any dewatering.

## POLLUTION PREVENTION MANAGEMENT MEASURES

Solid Waste: Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris and other wastes must be disposed of properly and must comply with MPCA disposal requirements.

Hazardous Materials: Oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.

External washing of trucks and other construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. Refer to Plans and corresponding legend for approved washout locations. No engine degreasing is allowed on site.

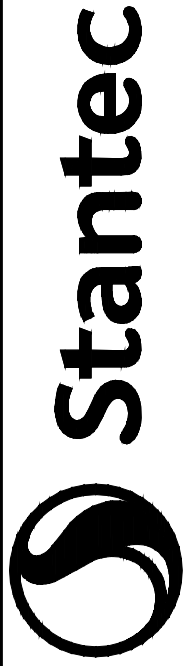
All liquid and solid wastes generated by concrete washout operations will be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes will not contact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

## INSPECTIONS AND MAINTENANCE

The City ("Owner") will conduct site inspections once every seven (7) days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. Any corrective actions necessary will be provided to the contractor. Reports of the inspections shall be provided to the Contractor as they are completed. Inspections and maintenance records will be retained on site or in the inspectors vehicle with the SWPPP and available within 72 hours of request.

All silt fence or other sediment control practices must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 1/3 of the height of the fence. These repairs must be made within 24 hours of discovery, or as soon as field conditions allow access.

Construction site vehicle exit locations must be inspected for evidence of off-site sediment tracking onto paved surfaces. Tracked sediment must be removed from all off-site paved surfaces, within 24 hours of discovery.



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AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER  
UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: ERIC S. LEABKE

SIGNATURE: *Eric S. Leabke*

DATE: 05/09/2023

LC NO. 49746

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WATER TREATMENT PLANT

WATER TREATMENT PLANT

STORM WATER POLLUTION PREVENTION PLAN

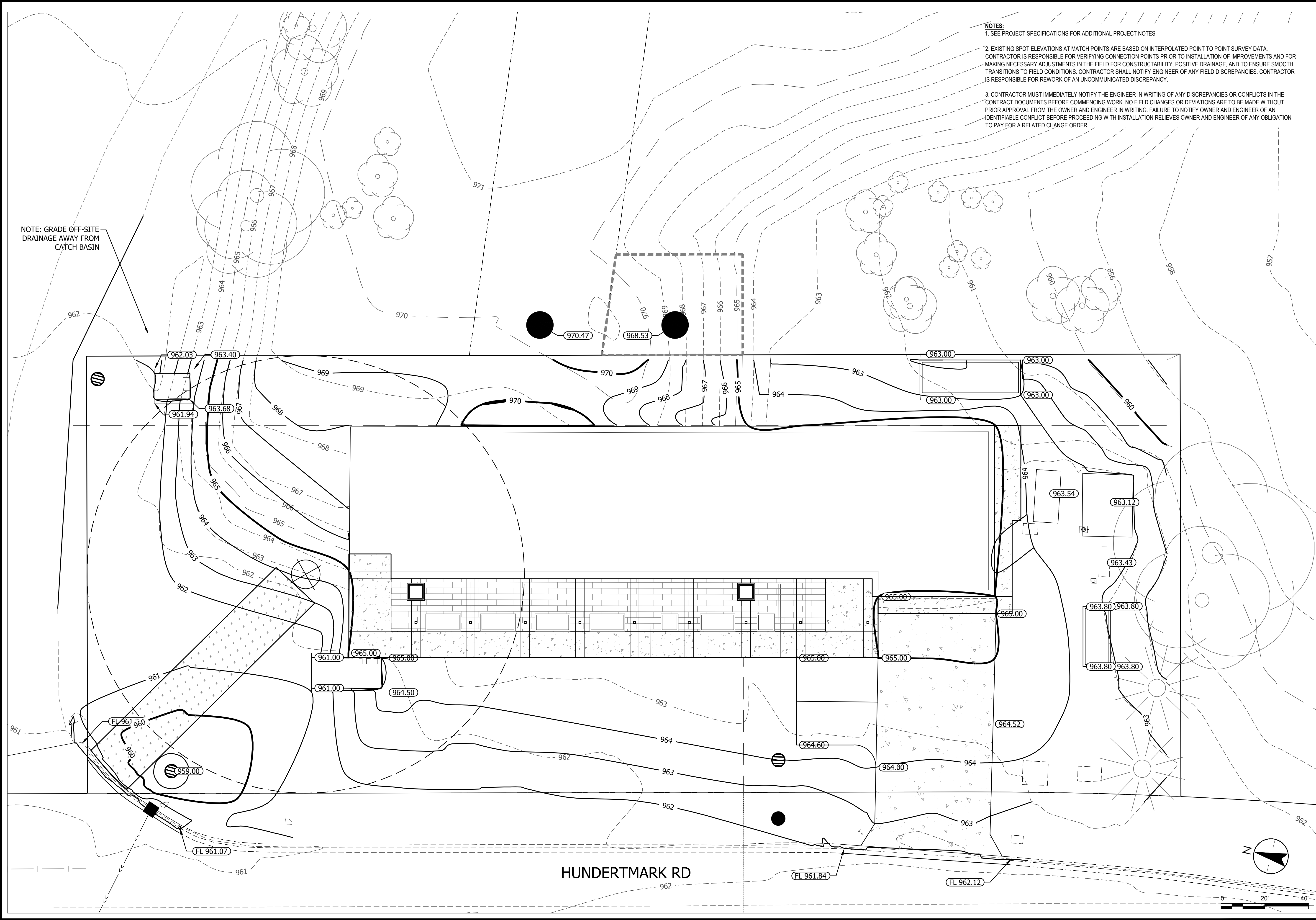
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| CHECKED   | AGO       |
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| PROJ. NO. | 193805386 |

SHEET NUMBER  
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User: jayc@vccad.com  
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**NOTES:**

1. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL PROJECT NOTES.
2. EXISTING SPOT ELEVATIONS AT MATCH POINTS ARE BASED ON INTERPOLATED POINT TO POINT SURVEY DATA. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION POINTS PRIOR TO INSTALLATION OF IMPROVEMENTS AND FOR MAKING NECESSARY ADJUSTMENTS IN THE FIELD FOR CONSTRUCTABILITY, POSITIVE DRAINAGE, AND TO ENSURE SMOOTH TRANSITIONS TO FIELD CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY FIELD DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR REWORK OF AN UNCOMMUNICATED DISCREPANCY.
3. CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS ARE TO BE MADE WITHOUT PRIOR APPROVAL FROM THE OWNER AND ENGINEER IN WRITING. FAILURE TO NOTIFY OWNER AND ENGINEER OF AN IDENTIFIABLE RELATIF BEFORE PROCEEDING WITH INSTALLATION RELIEVES OWNER AND ENGINEER OF ANY OBLIGATION TO PAY FOR A CONNECTED CHANGE ORDER.

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UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: ERIC S. LEWISKE

SIGNATURE: *Eric Lewiske*

DATE: 05/09/2023 LIC. NO. 42748

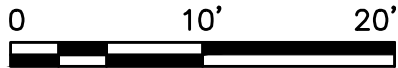
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
WATER TREATMENT PLANT  
GRADING PLAN

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 AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER  
 UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: ERIC S. LEMBKE

SIGNATURE: *Eric Lembke*

DATE: 05/09/2023 LIC. NO. 42748

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
WATER TREATMENT PLANT  
CIVIL SITE PIPING PLAN

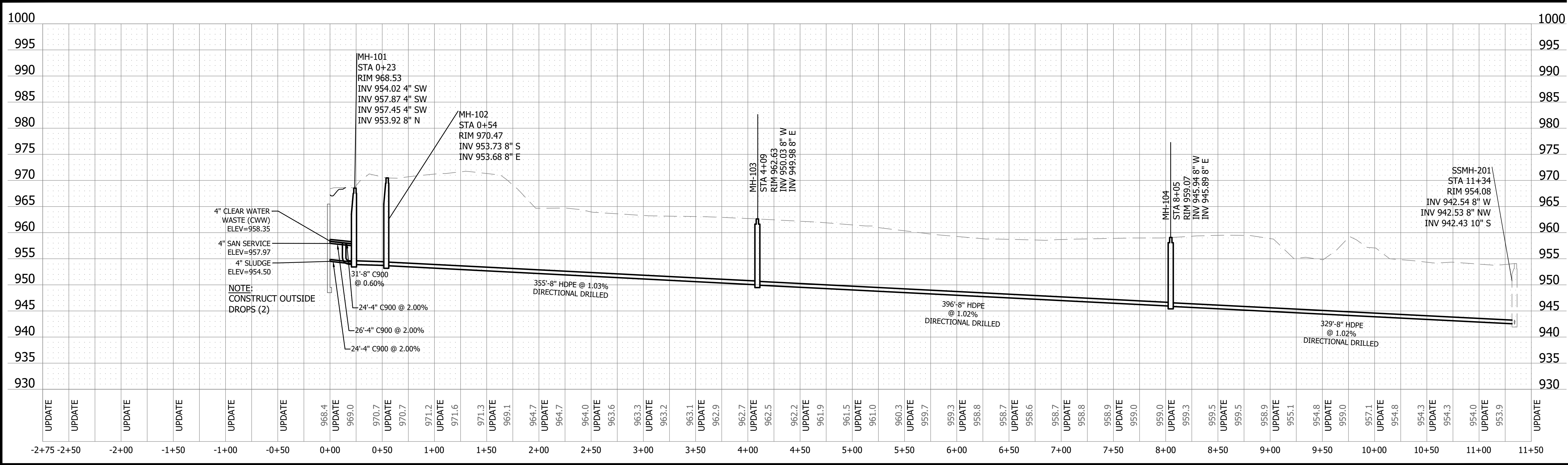
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SHEET NUMBER  
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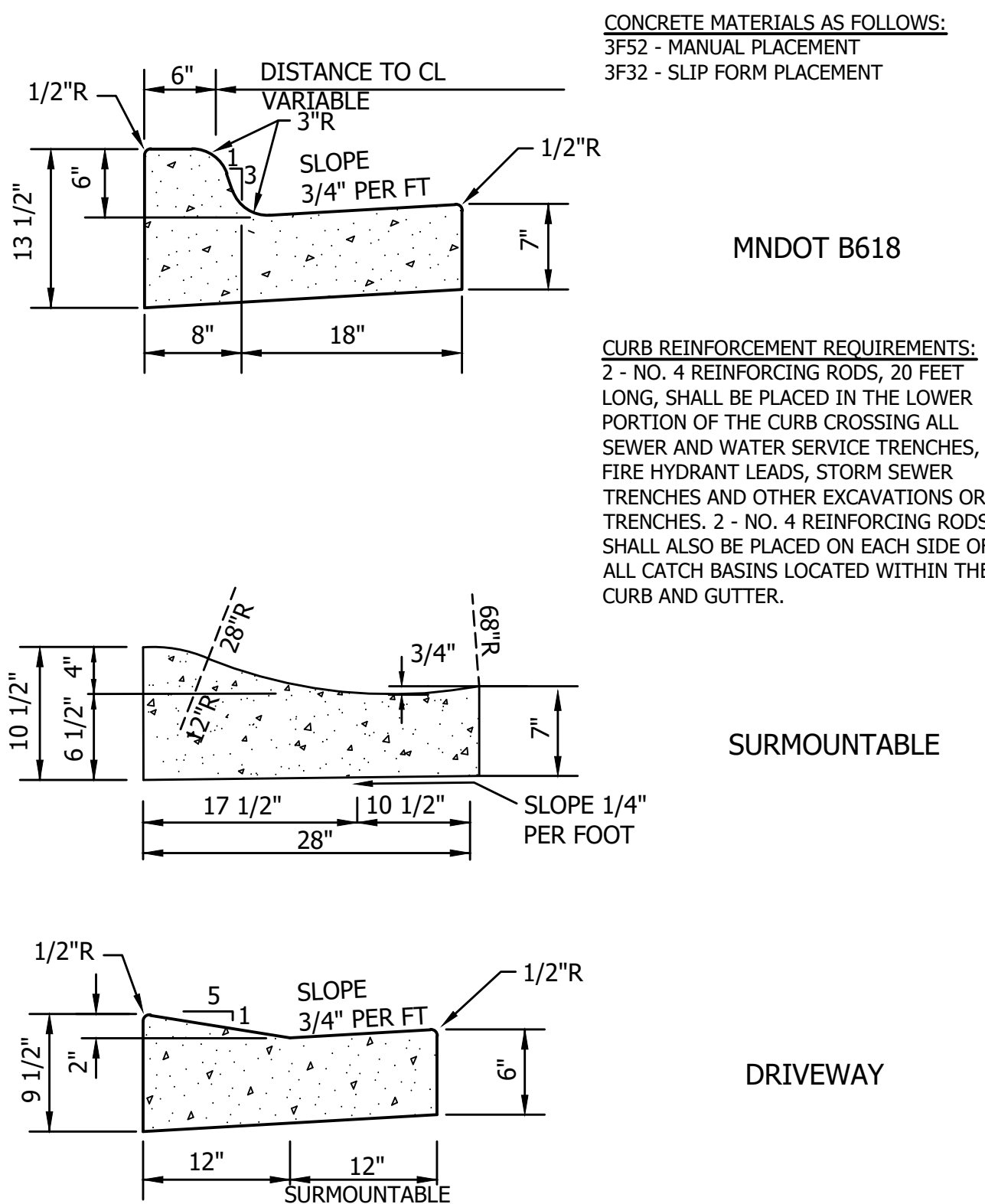




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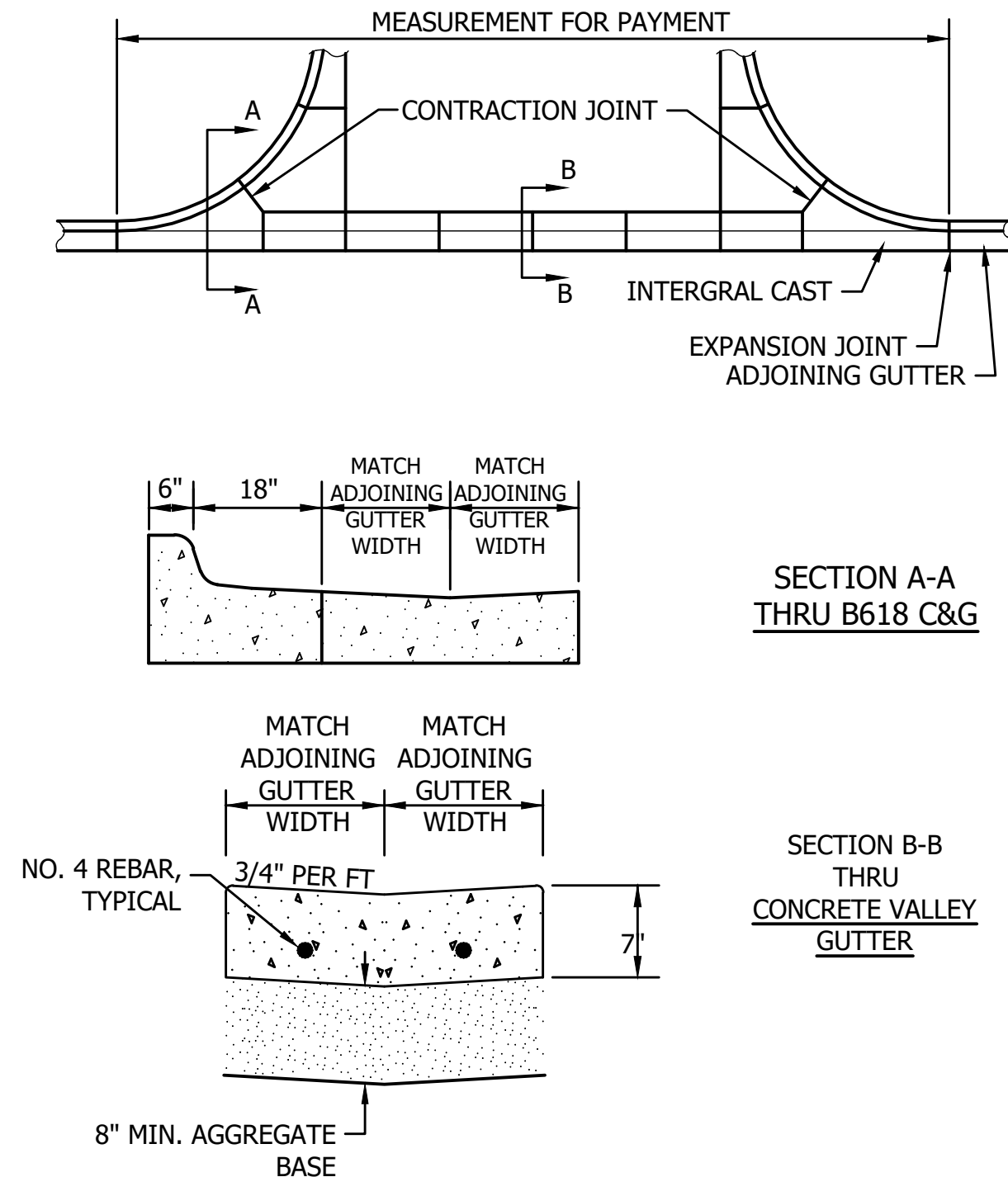


CURB AND GUTTER  
CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2023

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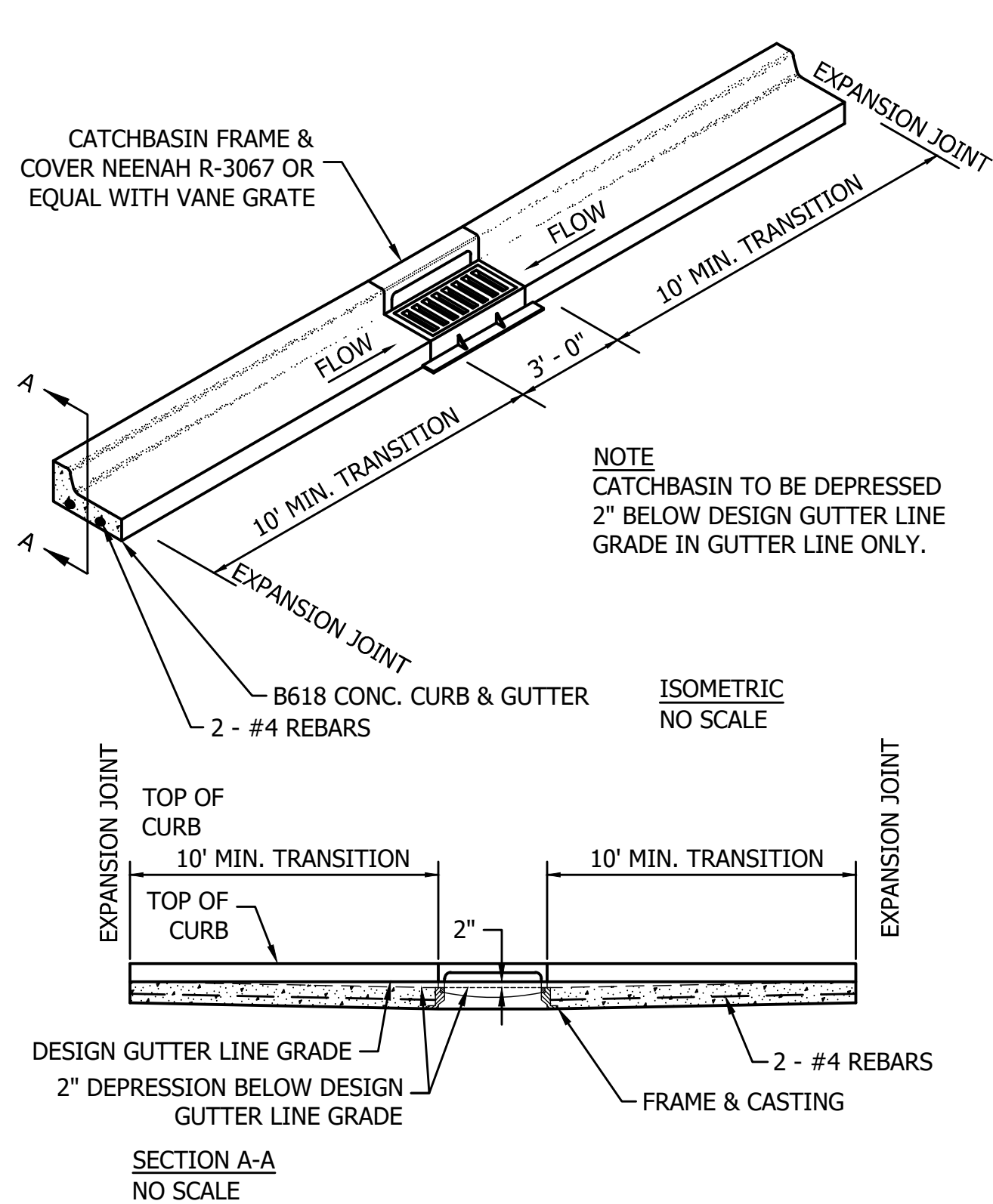


COMMERCIAL DRIVEWAY  
CHASKA, MINNESOTA

LAST REVISION  
APRIL 2016

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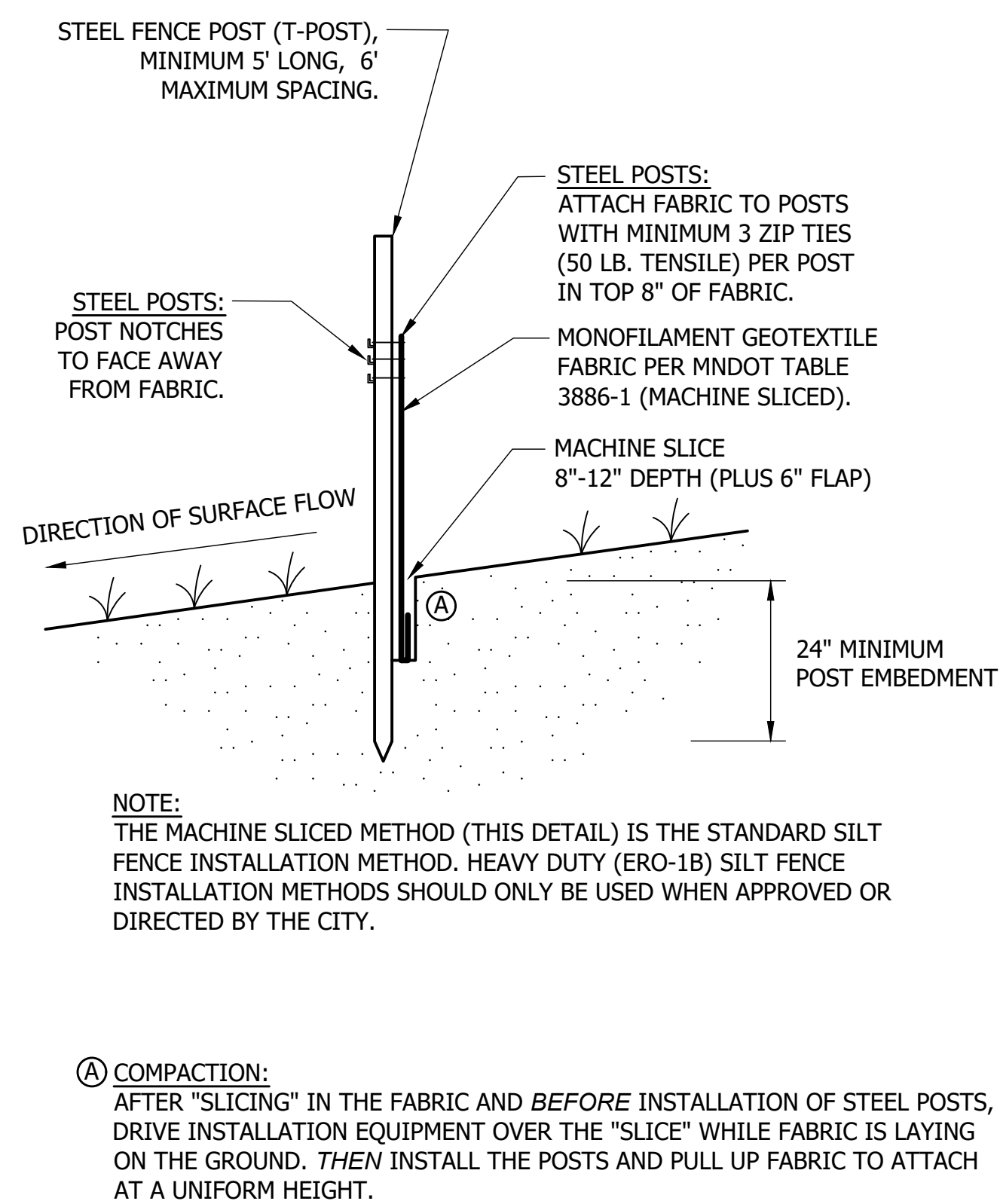
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B618 CURB & GUTTER  
CONSTRUCTION AT CATCHBASIN  
CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2008

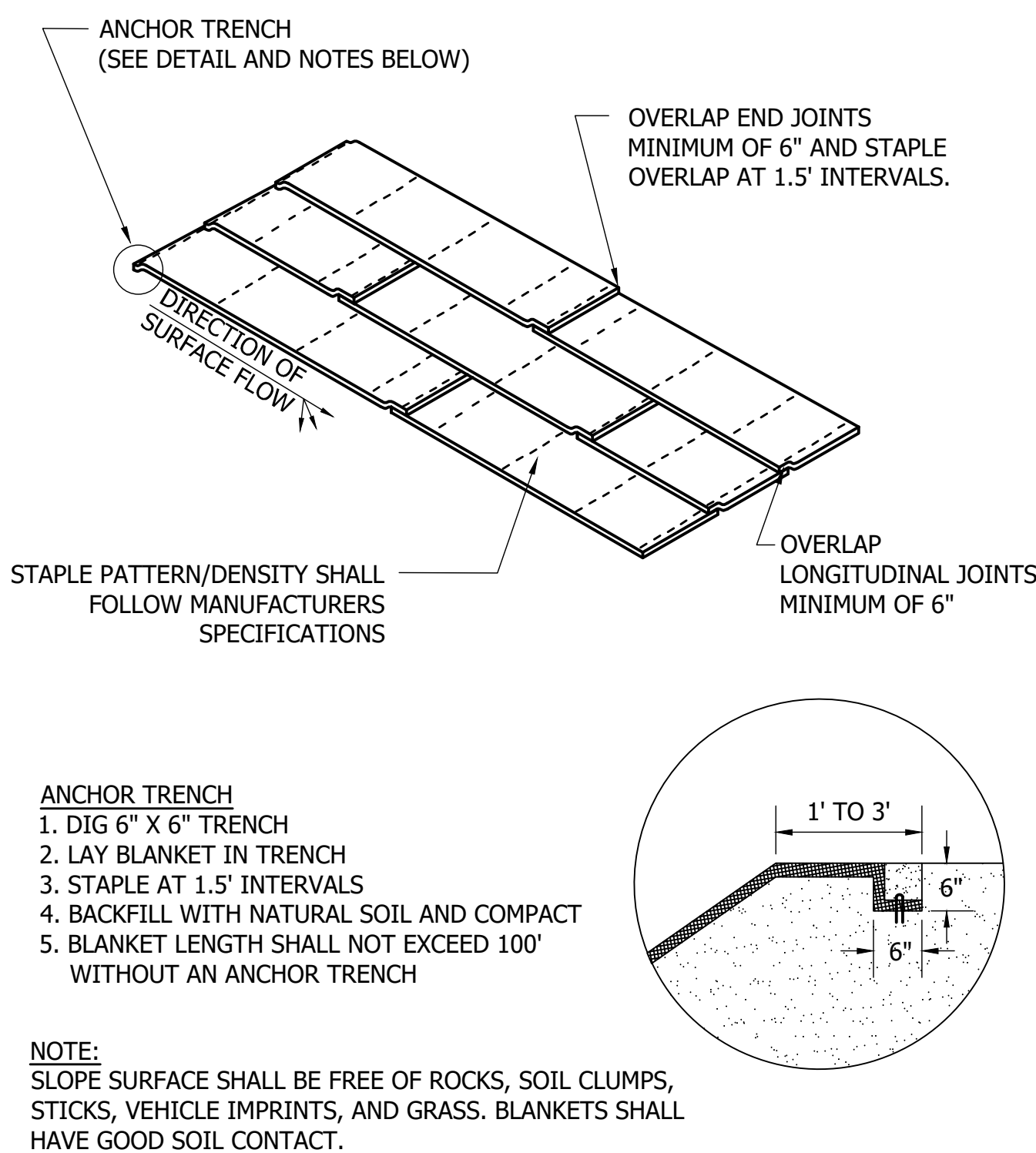
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SILT FENCE  
MACHINE SLICED  
CHASKA, MN

LAST REVISION:  
APRIL 2011

PLATE NO.  
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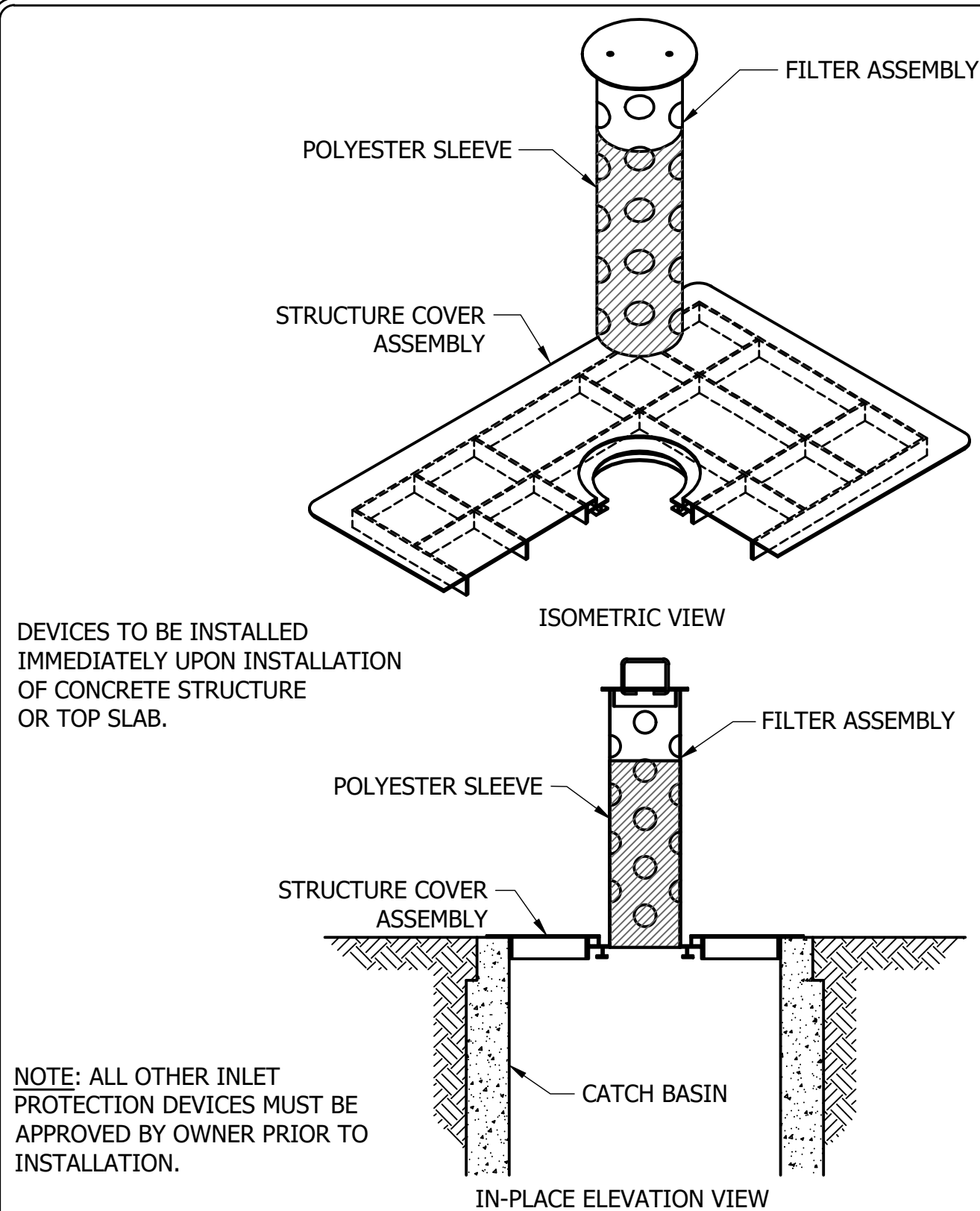
EROSION CONTROL BLANKET  
INSTALLATION

CHASKA, MINNESOTA

LAST REVISION:  
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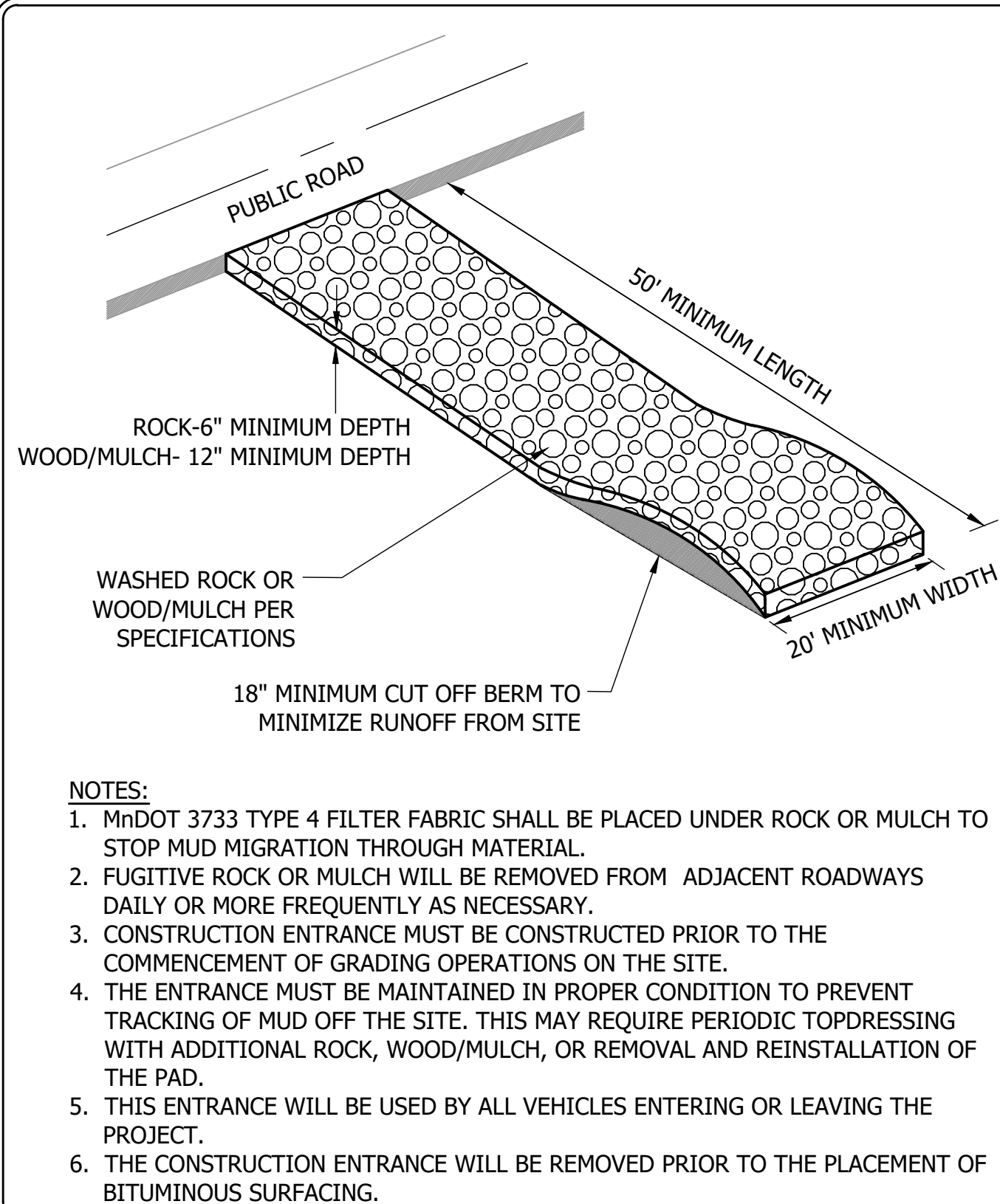
INLET PROTECTION FOR CATCH BASIN  
BEFORE CURB CONSTRUCTION

CHASKA, MINNESOTA

LAST REVISION  
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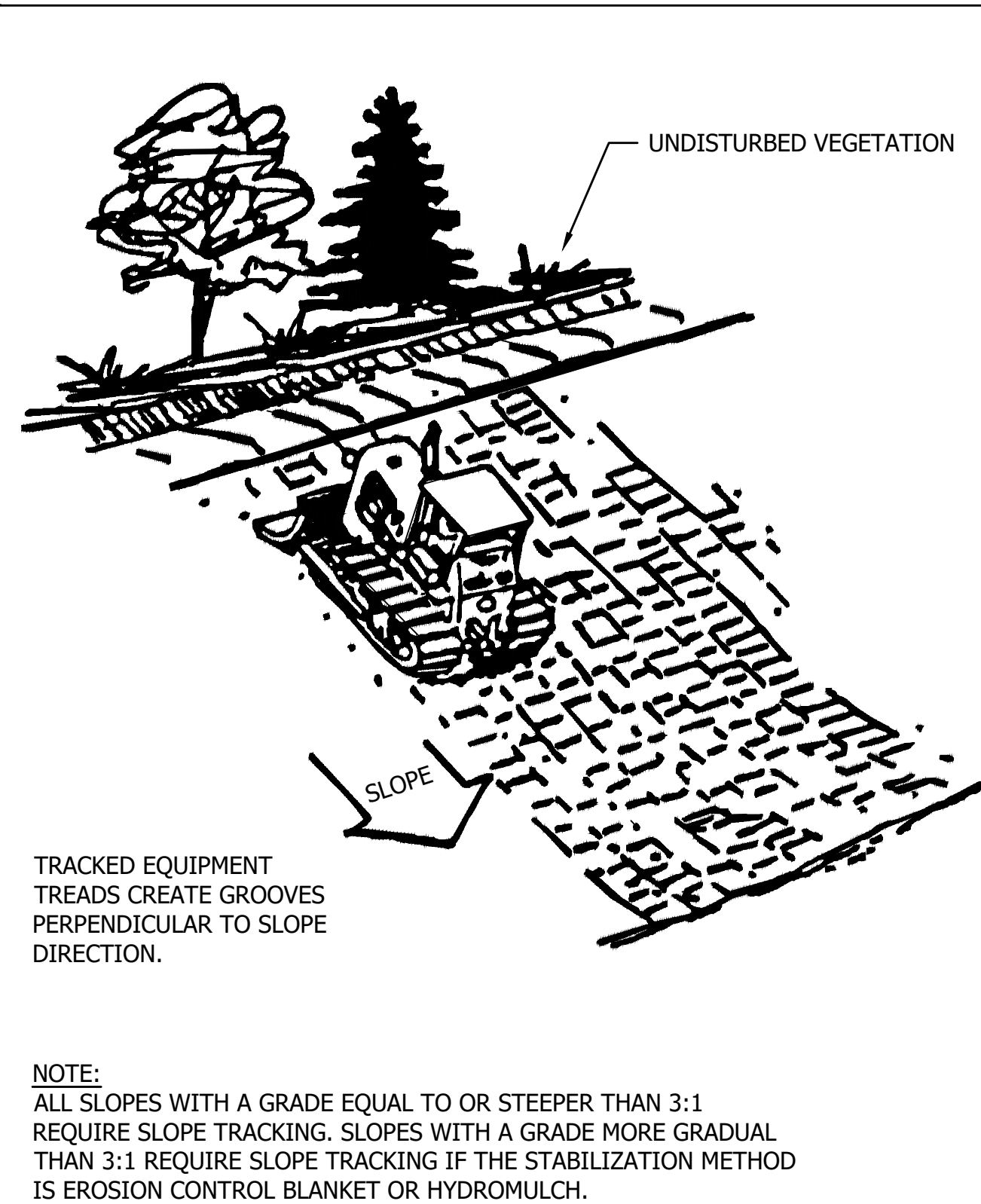
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ROCK CONSTRUCTION ENTRANCE  
CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2008

PLATE NO.  
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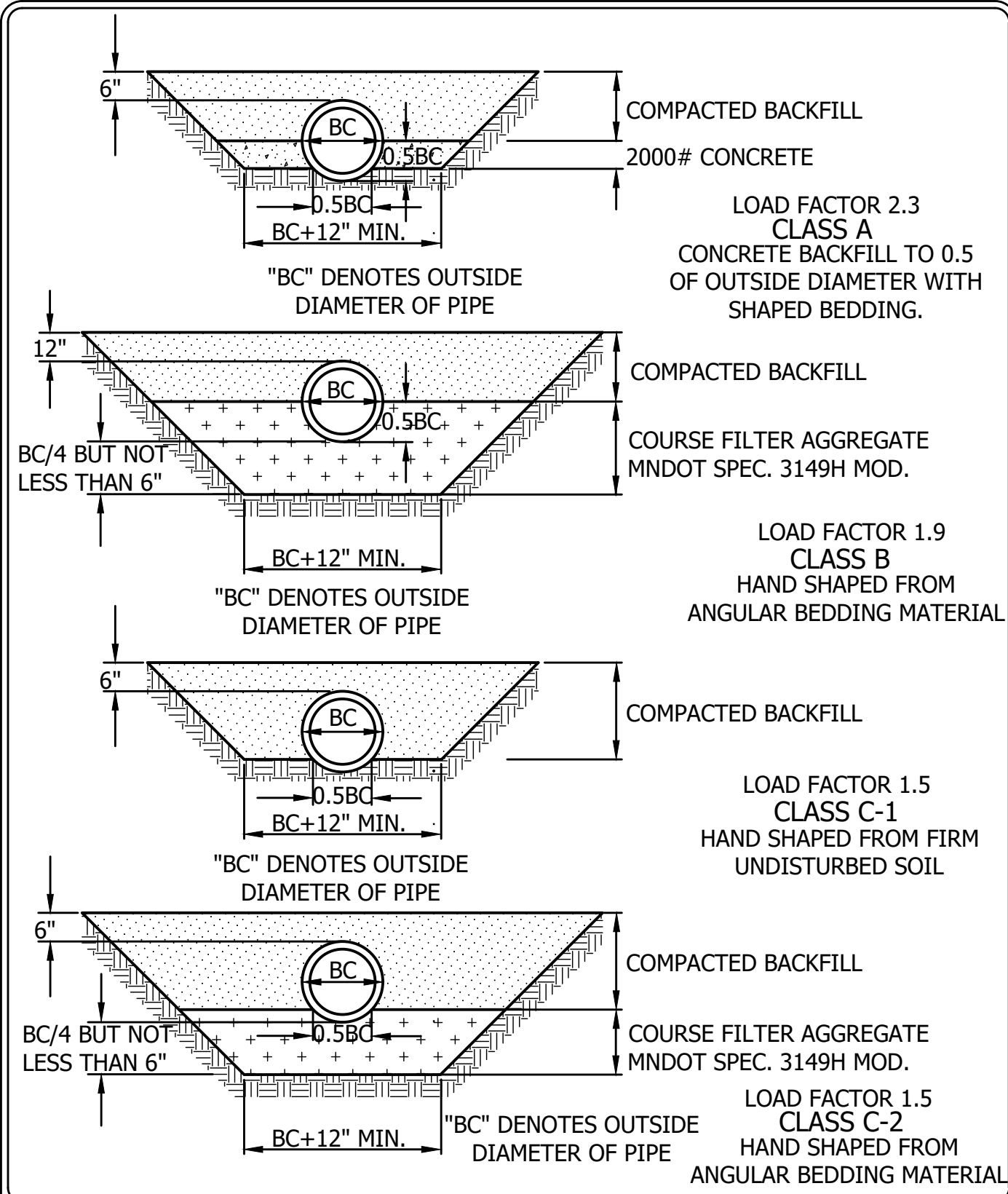
SLOPE TRACKING  
CHASKA, MINNESOTA

LAST REVISION:  
FEB 2004

PLATE NO.  
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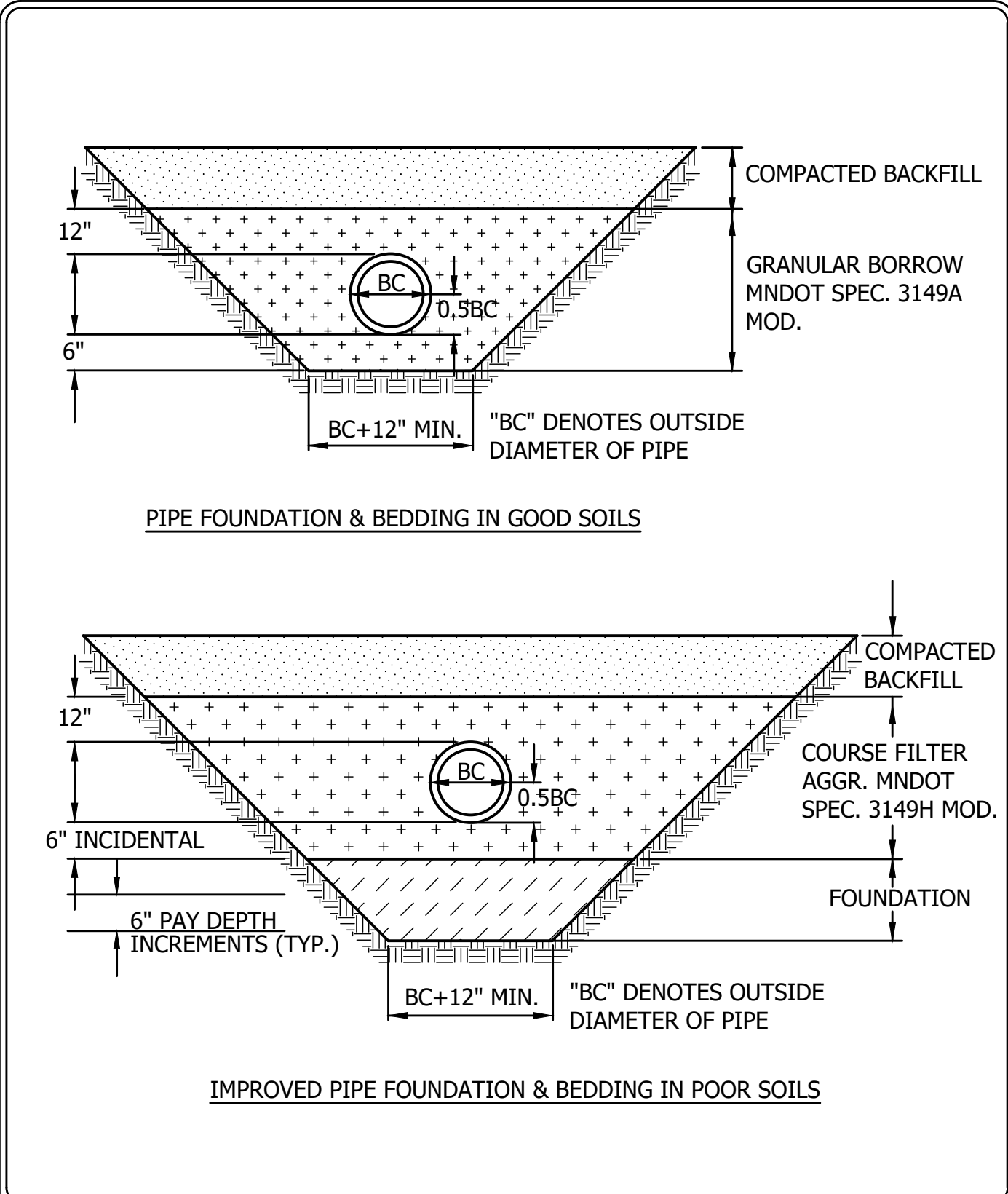
2335 Highway 36 W  
St. Paul, MN 55113  
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BEDDING METHODS  
FOR RCP OR DIP

CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2001

PLATE NO.  
GEN-6



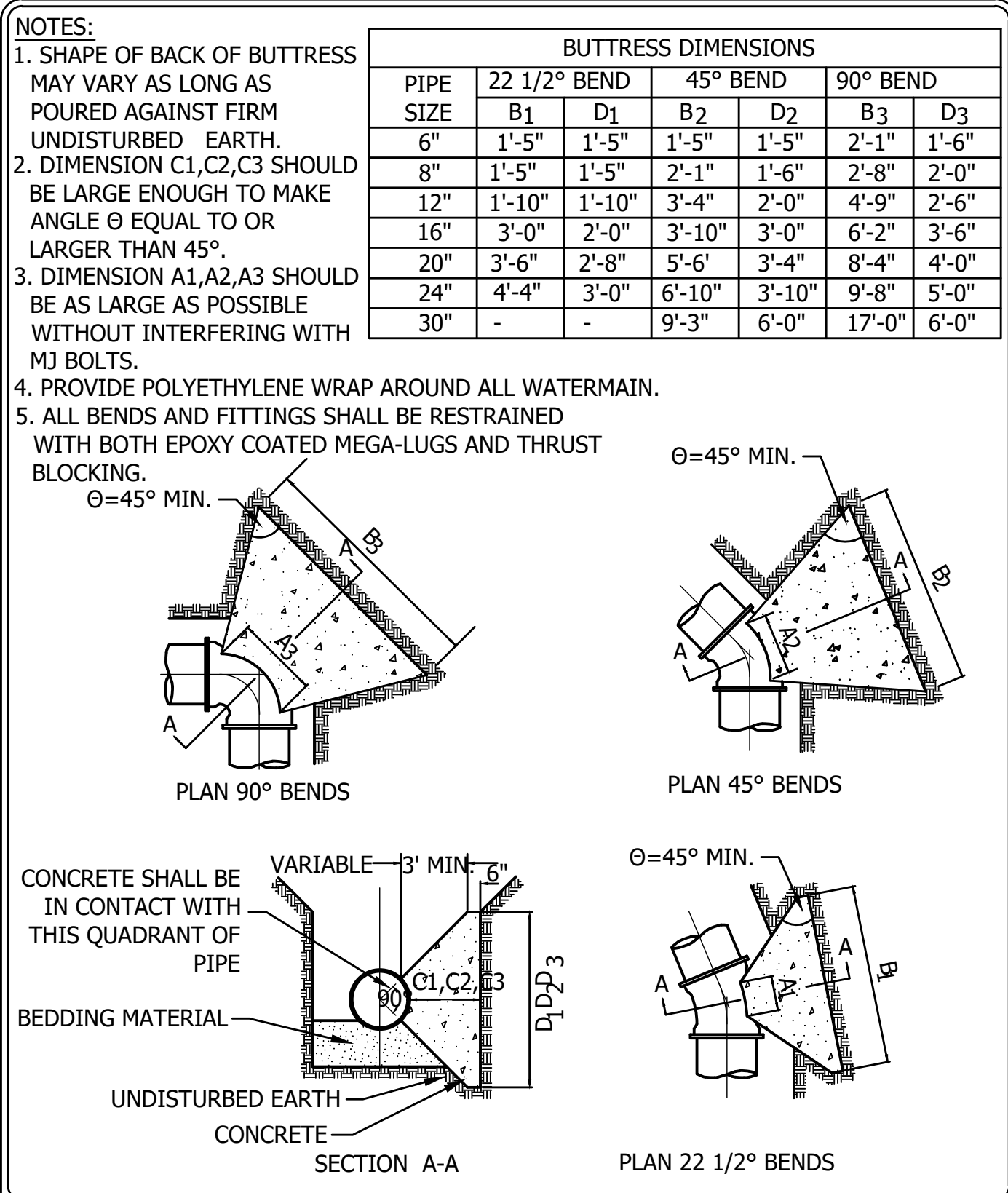
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St. Paul, MN 55113  
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BEDDING METHODS FOR PVC

CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2008

PLATE NO.  
GEN-7



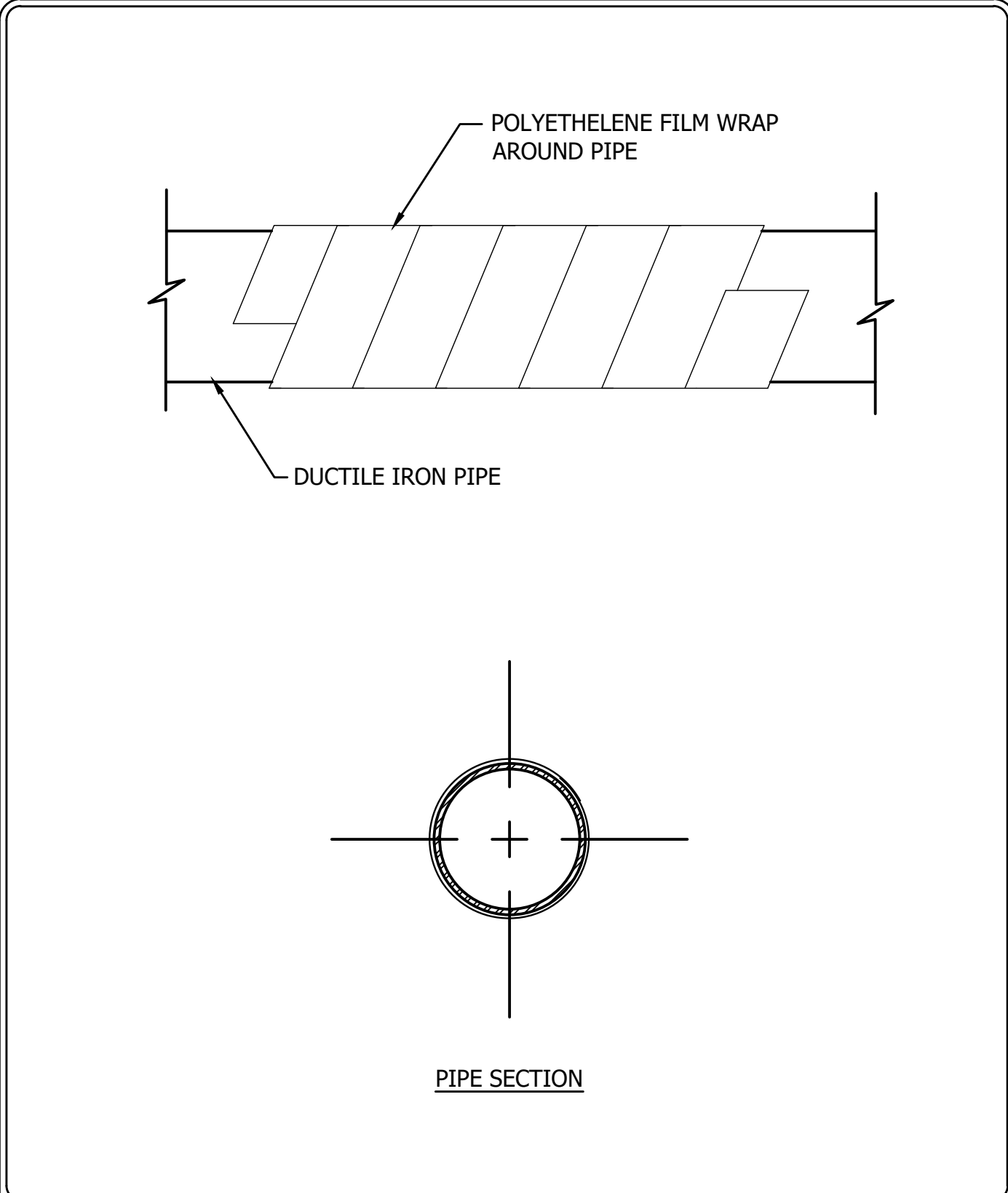
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St. Paul, MN 55113  
www.stantec.com

CONCRETE THRUST BLOCKING

CHASKA, MINNESOTA

LAST REVISION:  
APRIL 2005

PLATE NO.  
WAT-4



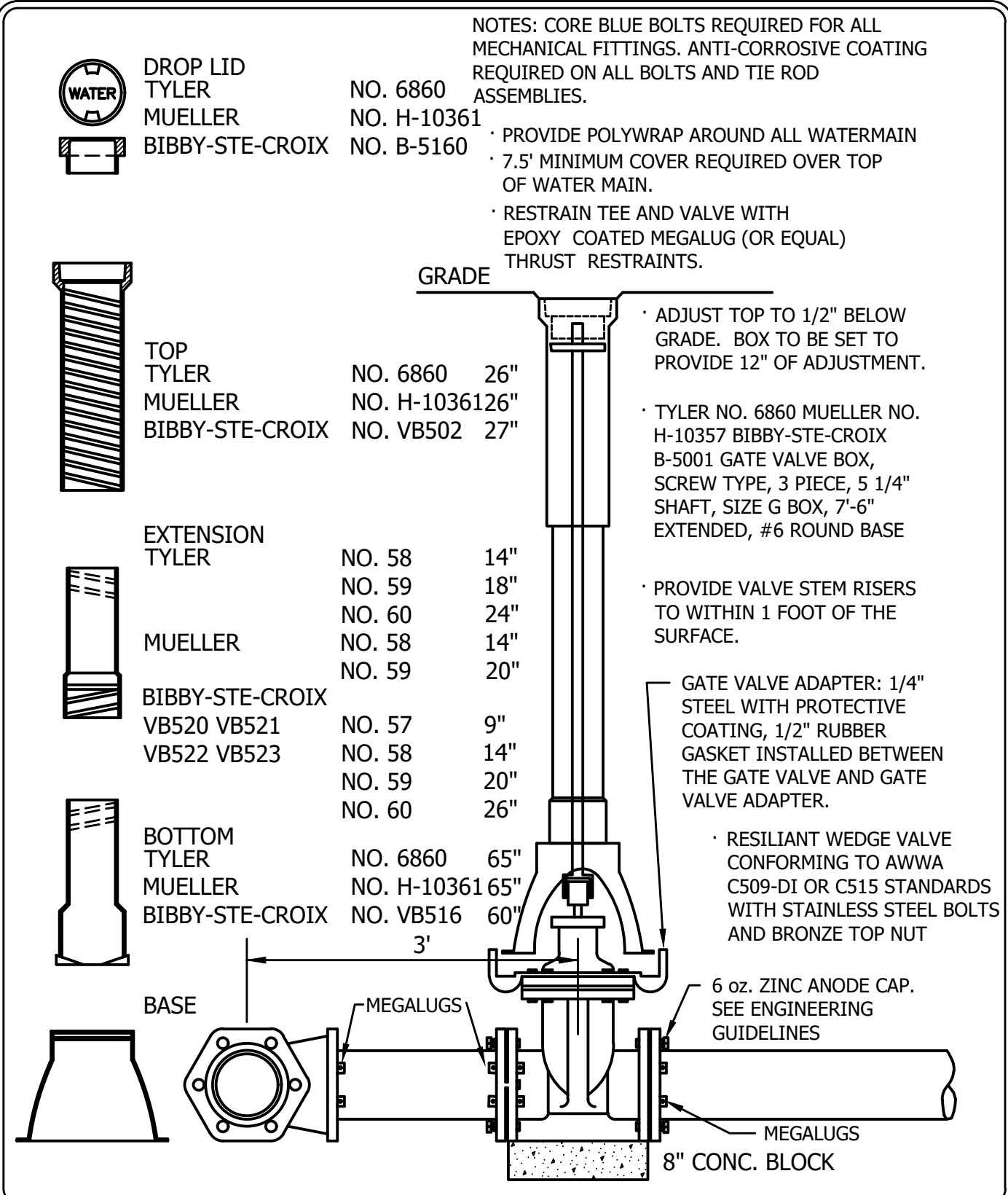
733 Marquette Ave Suite 1000  
Minneapolis, MN 55402  
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TYPICAL  
WATER MAIN INSTALLATION

CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2008

PLATE NO.  
WAT-7



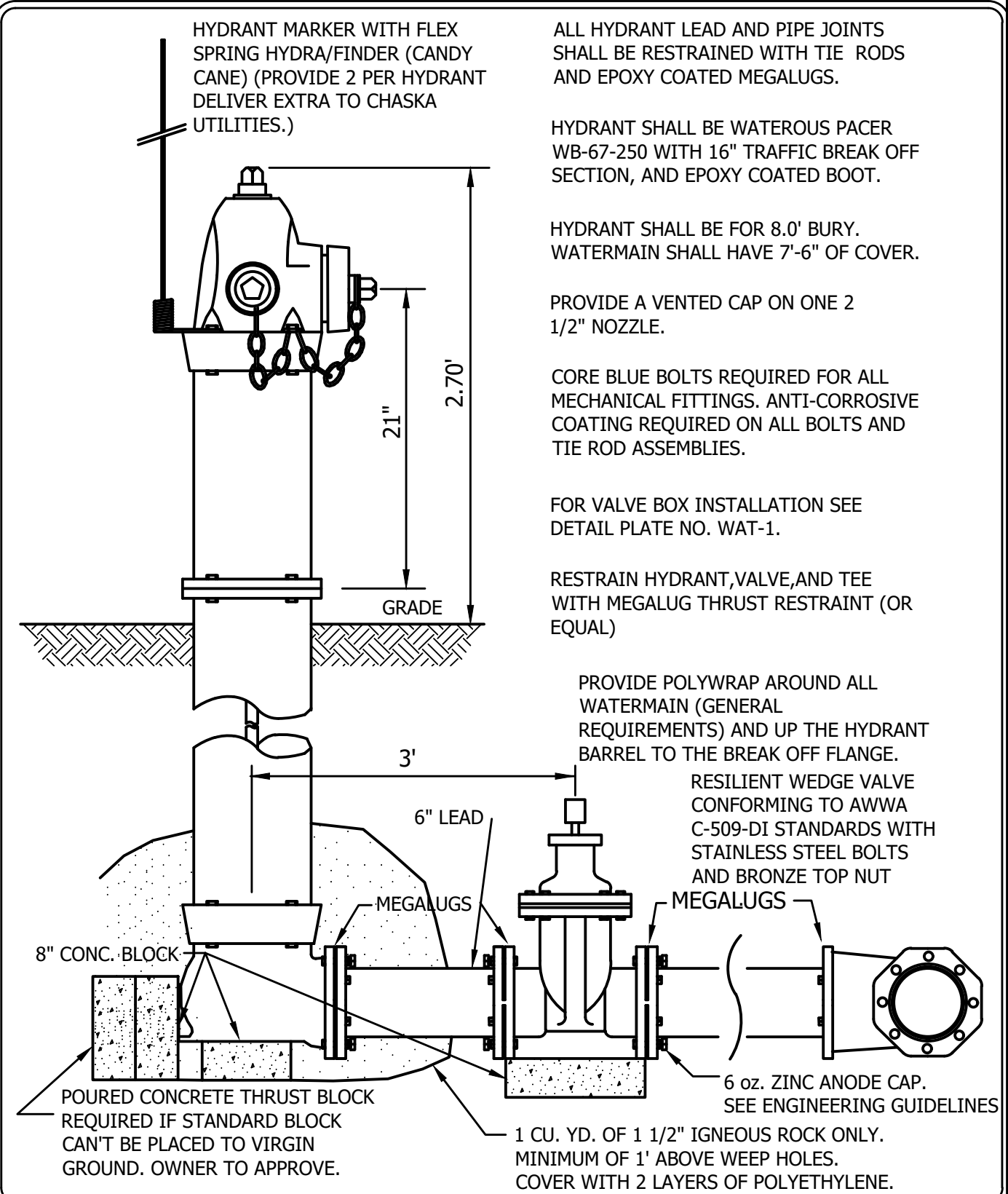
733 Marquette Ave Suite 1000  
Minneapolis, MN 55402  
www.stantec.com

GATE VALVE AND BOX  
INSTALLATION

CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2019

PLATE NO.  
WAT-1



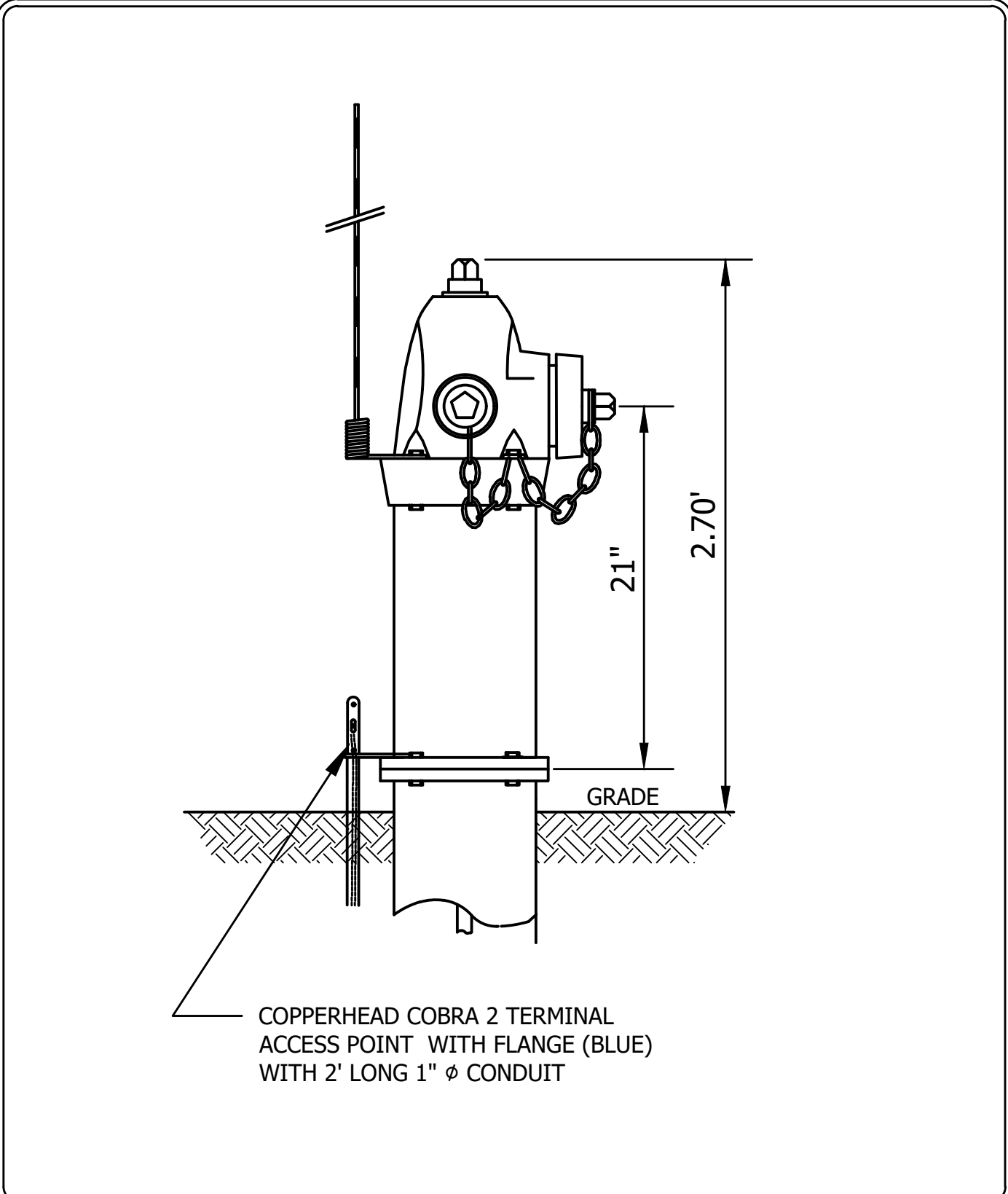
733 Marquette Ave Suite 1000  
Minneapolis, MN 55402  
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WATEROUS PACER HYDRANT AND VALVE  
INSTALLATION

CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2019

PLATE NO.



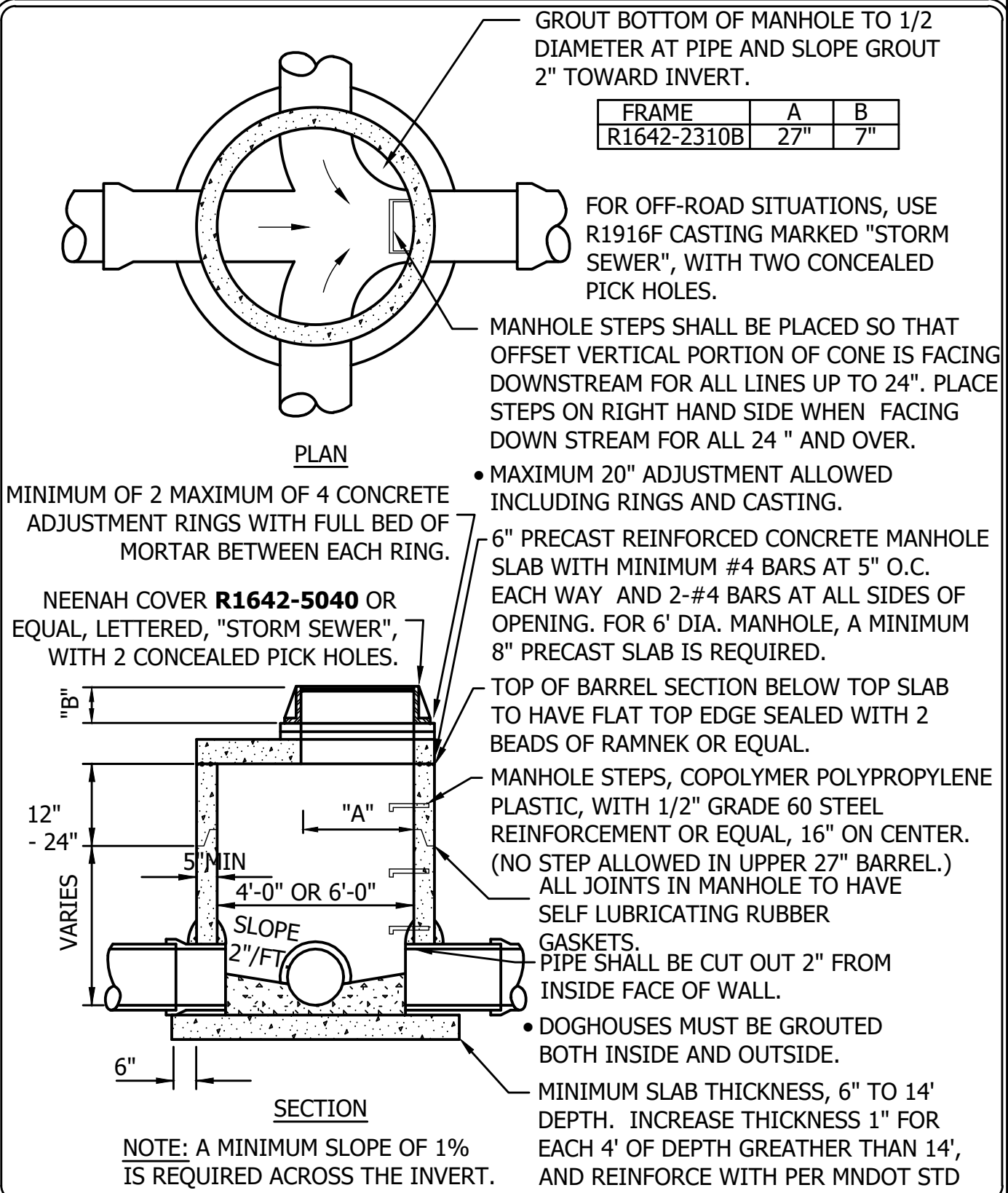
2335 Highway 36 W  
St. Paul, MN 55113  
www.stantec.com

TRACER WIRE FOR PVC WATER MAIN

CHASKA, MN

LAST REVISION:  
JANUARY 2022

PLATE NO.  
WAT-10



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

STORM SEWER JUNCTION MANHOLE  
WITH REINFORCED TOP SLAB

CHASKA, MINNESOTA

LAST REVISION:  
MARCH 2018

PLATE NO.  
STO-3







Plot Date: 05/09/2023 - 11:47am  
Drawing name: C:\Users\jburgstahler\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WTP\05\_Landscover\sheet files\193805386\_L100.dwg



|                                                                                       | CODE | QTY | BOTANICAL NAME                                | COMMON NAME                      | CONT |
|---------------------------------------------------------------------------------------|------|-----|-----------------------------------------------|----------------------------------|------|
|  | KFG  | 30  | CALAMAGROSTIS X ACUTIFLORA<br>'KARL FOERSTER' | KARL FOERSTER'S FEATHER GRASS    | #2   |
|  | IS2  | 54  | SCHIZACHYRIUM SCOPARIUM<br>'STANDING OVATION' | STANDING OVATION LITTLE BLUESTEM | #1   |
|  | PD   | 24  | SPOROBOLUS HETEROLEPIS                        | PRAIRIE DROPSEED                 | #1   |



| <u>CODE</u> | <u>QTY</u> | <u>BOTANICAL NAME</u>                         | <u>COMMON NAME</u>               | <u>CONT</u> |
|-------------|------------|-----------------------------------------------|----------------------------------|-------------|
| KFG         | 30         | CALAMAGROSTIS X ACUTIFLORA<br>'KARL FOERSTER' | KARL FOERSTER'S FEATHER GRASS    | #2          |
| IS2         | 54         | SCHIZACHYRIUM SCOPARIUM<br>'STANDING OVATION' | STANDING OVATION LITTLE BLUESTEM | #1          |
| PD          | 24         | SPOROBOLUS HETEROLEPIS                        | PRAIRIE DROPSEED                 | #1          |
| <u>CODE</u> | <u>QTY</u> | <u>BOTANICAL NAME</u>                         | <u>COMMON NAME</u>               | <u>CONT</u> |
| NATIVE      | 7,902 SF   | MNDOT MIX 35-241                              |                                  | SEED        |
| <u>CODE</u> | <u>QTY</u> | <u>BOTANICAL NAME</u>                         | <u>COMMON NAME</u>               | <u>CONT</u> |
| SOD         | 7,644 SF   | MNDOT TYPE D                                  |                                  | SOD         |

1. CONTRACTOR SHALL LOCATE AND VERIFY LOCATIONS OF ALL UTILITIES WITHIN AND NEAR PLANTING AREAS.
2. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY LANDSCAPE ARCHITECT WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS OR OBSTRUCTIONS.
3. LANDSCAPE ARCHITECT TO APPROVE ALL TREE PLANTING/STAKING LOCATIONS PRIOR TO WORK COMMENCING.
4. PLANT TREES AND SHRUBS AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO PLANTING OF LAWNS, UNLESS OTHERWISE ACCEPTABLE TO LANDSCAPE ARCHITECT. PROVIDE PLANTING SOIL AND AMENDMENTS AT TREE PLANTINGS LOCATED AWAY FROM SHRUB BEDS.
5. DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, NOTIFY LANDSCAPE ARCHITECT, ALONG WITH A PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
6. IF THERE IS A DISCREPANCY BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLAN AND THE NUMBER SHOWN ON THE PLANT LIST, THE NUMBER SHOWN ON THE PLAN SHALL GOVERN.
7. MULCH ALL PLANTING AREAS WITH CLEAN, DOUBLE SHREDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED. MULCH MATERIAL TO BE MINIMUM 4" DEPTH (TYP.), NO BARK, STICKS OR TWIGS.
8. LANDSCAPE CONTRACTOR SHALL KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION DURING PLANTING OPERATIONS.
9. SUBMIT PRODUCT DATA, SCHEDULES, SEED MIXES AND CERTIFICATES FOR ALL PRODUCT.
10. NURSERY STOCK SHALL MEET THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. ALL PLANTS SHALL BE TRUE TO TYPE AND NAME IN ACCORDANCE WITH STANDARDIZED PLANT NAMES, MOST RECENT EDITION.
11. PROVIDE HEALTHY, VIGOROUS PLANTS FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND FREE OF DEFECTS, ABRASIONS, OR DISFIGUREMENT.
12. DELIVER PACKAGE PRODUCTS IN ORIGINAL CONTAINERS AND PROTECT PRODUCTS FROM DETERIORATION DURING DELIVERY AND STORAGE ON SITE.
13. PROVIDE FRESH PLANTS AND INSTALL IMMEDIATELY. DO NOT PRUNE PRIOR TO DELIVERY. PROVIDE PROTECTIVE COVERING DURING DELIVERY. IF PLANTING IS DELAYED SET PLANTS IN SHADE, KEEP MOIST, AND PROTECT FROM WEATHER AND MECHANICAL DAMAGE. DO NOT REMOVE PLANTING STOCK FROM CONTAINERS UNTIL PLANTING TIME.
14. CONTRACTOR SHALL MAKE, AT THEIR OWN EXPENSE, WHATEVER ARRANGEMENTS NECESSARY TO ENSURE AN ADEQUATE SUPPLY OF WATER TO COMPLETE THE WORK AS SPECIFIED. FURNISH ALL NECESSARY HOSES, EQUIPMENT, ATTACHMENTS, AND ACCESSORIES FOR THE ADEQUATE IRRIGATION OF SEEDED AND PLANTED AREAS AS MAY BE REQUIRED TO COMPLETE THE WORK.
15. PROVIDE THOROUGH WATERING OF ALL PLANTS IMMEDIATELY AFTER INSTALLATION.
16. THOROUGH WATERING SHALL OCCUR ONCE WEEKLY TO SUPPLEMENT NATURAL RAINFALL.

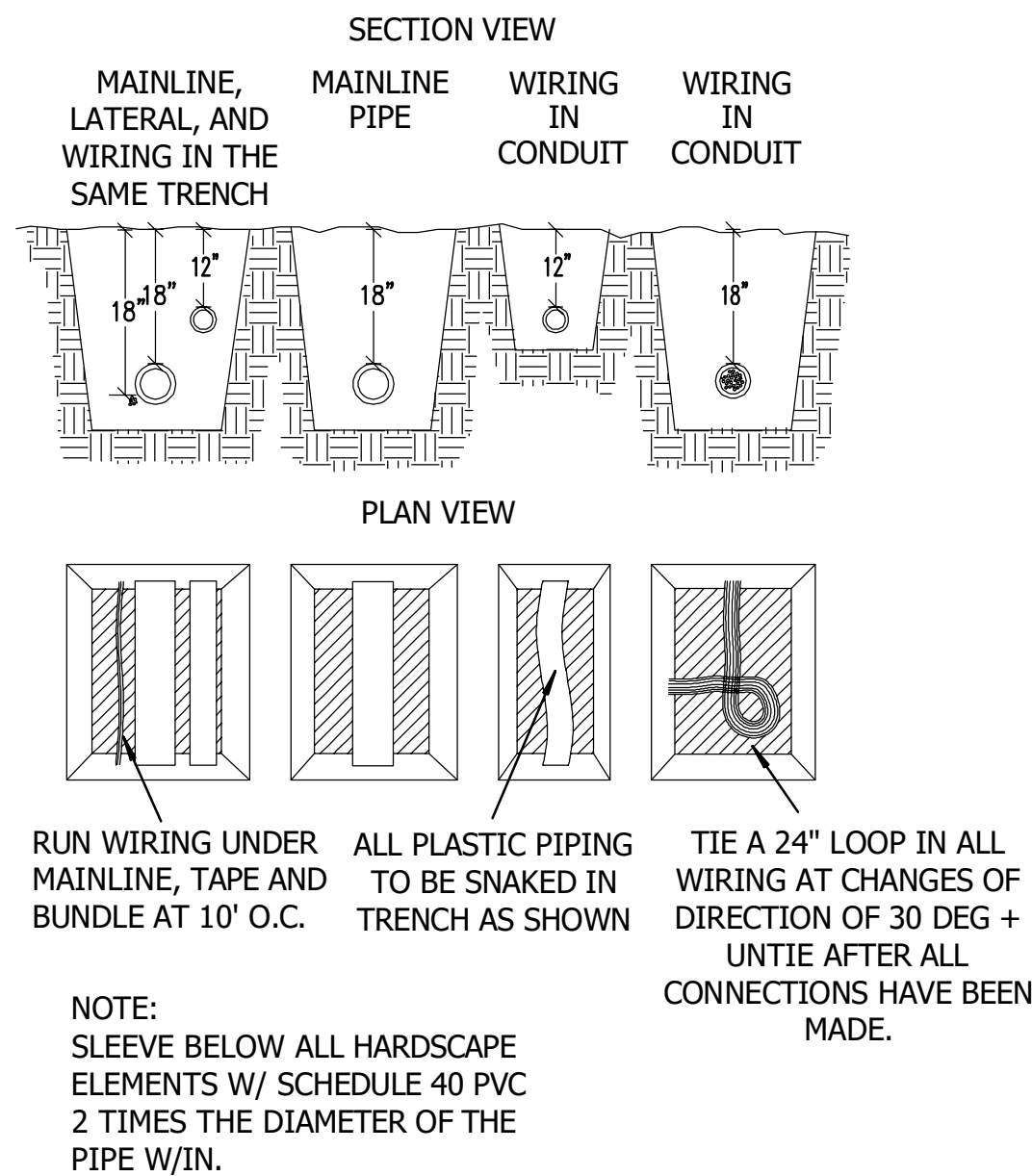




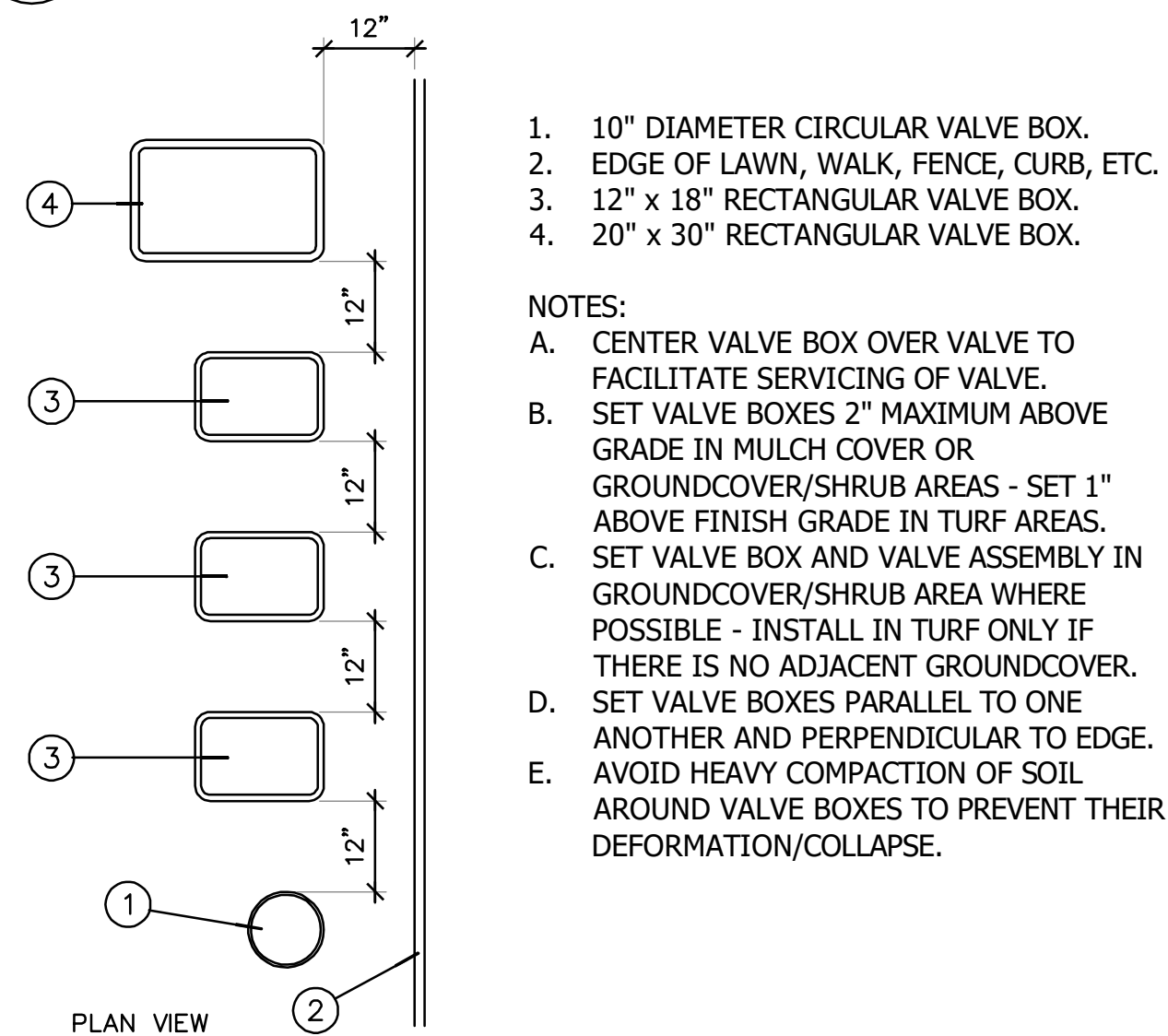




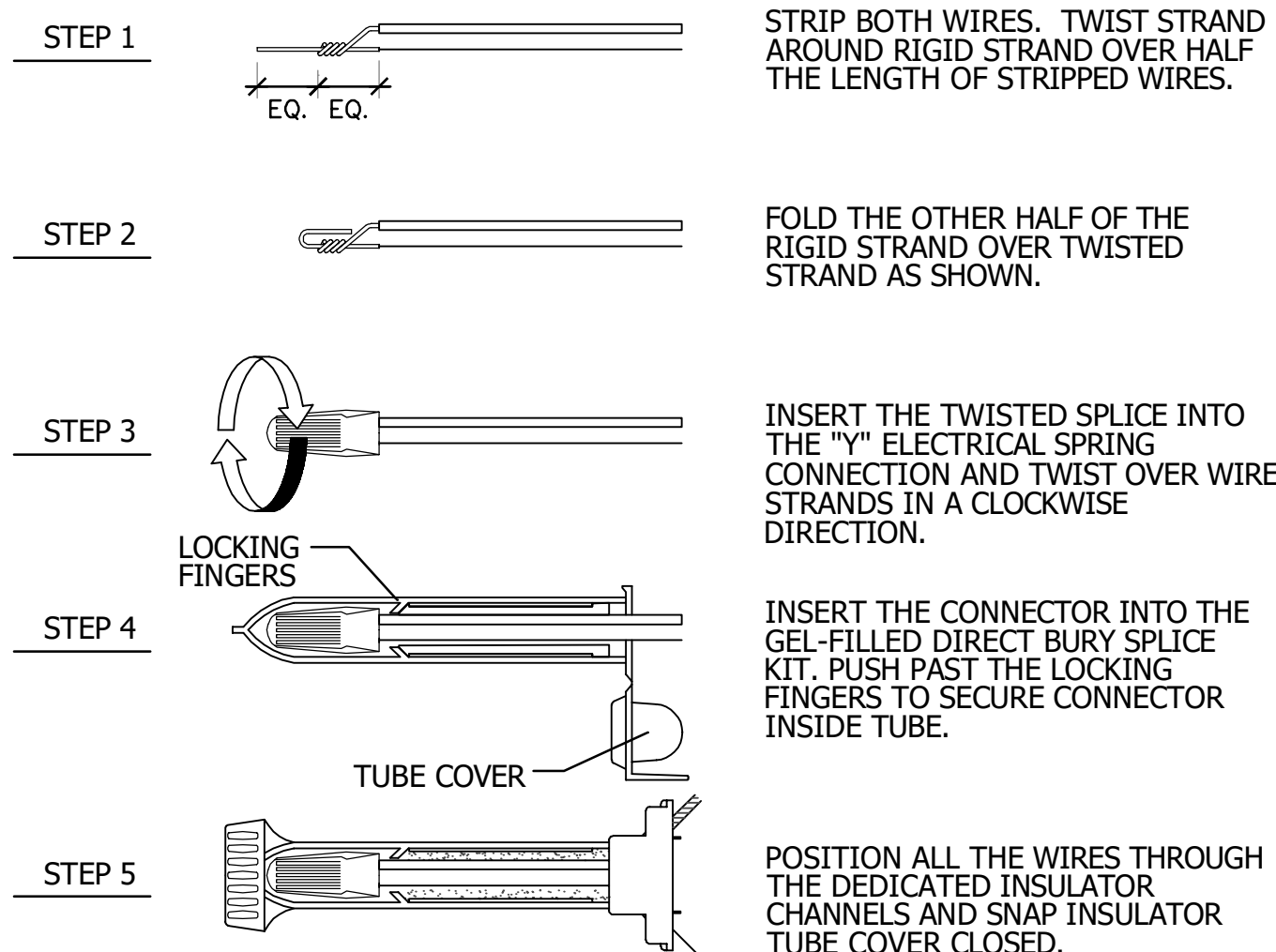




## PIPE AND WIRE TRENCHING



## B VALVE BOX LAYOUT



**WEATHERPROOF CONNECTOR**

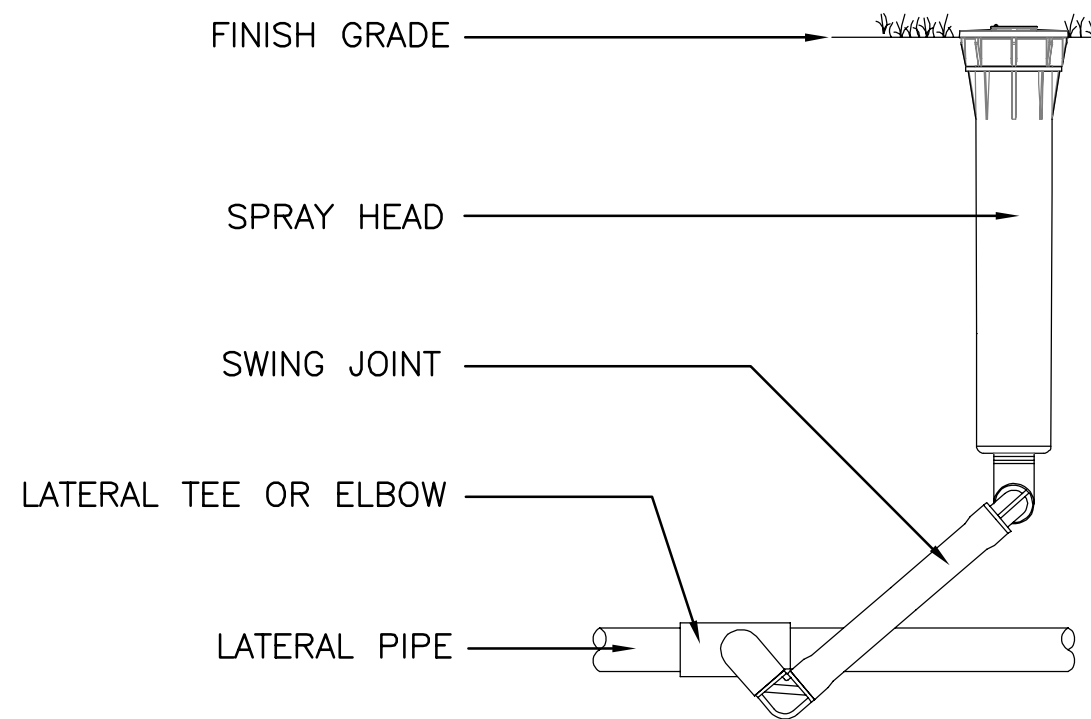
GENERAL NOTES:

1. CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO COMMENCING WORK. CONTACT GOPHER STATE ONE AT (651)-454-0002.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS SHOWN ON PLANS PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE OF MAJOR DISCREPANCIES THAT WILL AFFECT CONSTRUCTION OPERATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE INSTALLATION, AND OPERATION OF THE IRRIGATION SYSTEM WITHIN LIMITS OF WORK.
4. DAMAGE TO PROPERTY FROM LANDSCAPE WORK MUST BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

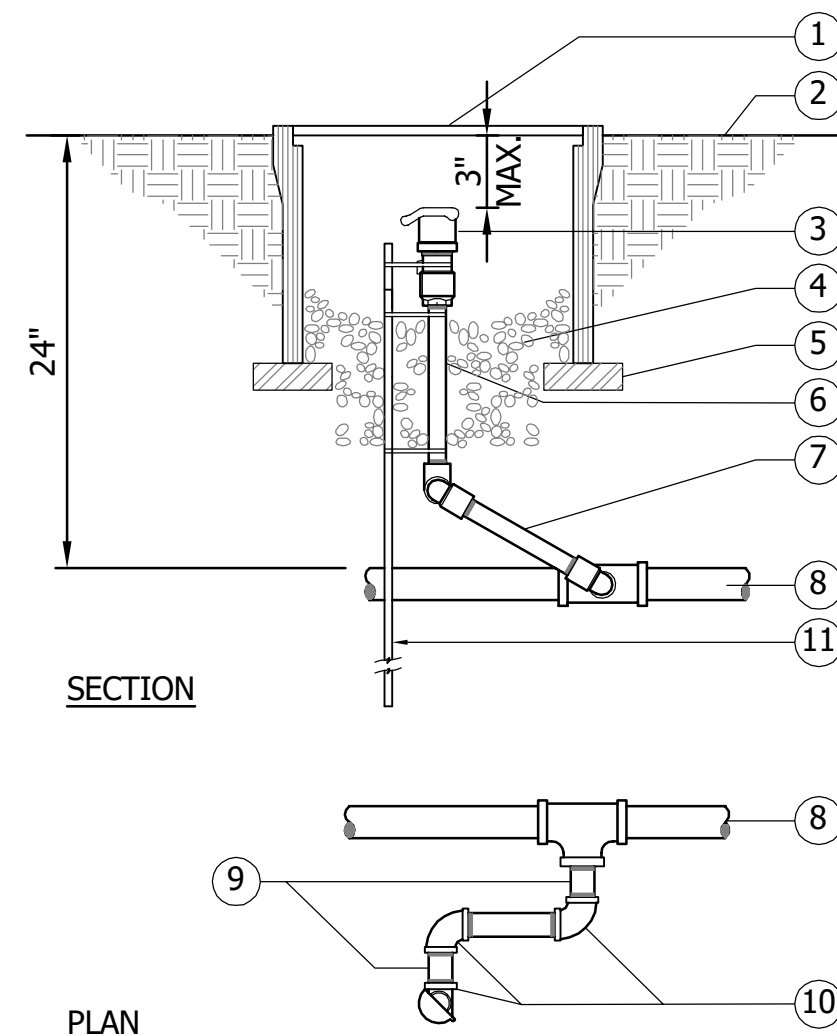
SPRAY HEAD NOTES:

1. FULL (HEAD-TO-HEAD) COVERAGE IS REQUIRED WITHIN THE AREAS DELINEATED TO RECEIVE IRRIGATION.
2. LOCATE ALL HEADS 0'-6" FROM BACK OF WALK, CURB, ETC. AND ADJUST NOZZLES TO WATER ENTIRE PLANTING AREA, INCLUDING AREA FROM BACK OF WALK TO HEAD.
3. PROVIDE 6" HIGH POP UP HEADS AS REQUIRED FOR WATER (STREAM) TO CLEAR IMMEDIATELY ADJACENT PLANTS AND PROVIDE HEAD TO HEAD COVERAGE. 6" POP UP HEIGHT MINIMUM IN TURF. INCLUDE MATURE PLANT HEIGHT, NOZZLE TRAJECTORY, STREAM HEIGHT, SURFACE SLOPES, ETC. TO DETERMINE POP UP HEIGHT. REVIEW STRATEGY WITH LANDSCAPE ARCHITECT IN FIELD PRIOR TO DESIGN AND INSTALLATION.
4. ALL POP-UP STYLE IRRIGATION HEADS TO BE LOCATED IN TURF AREAS SHALL BE INSTALLED SO THE TOP OF THE IRRIGATION HEADS ARE 1/4" ABOVE FINISH GRADE.
5. IRRIGATION CONTRACTOR SHALL REDUCE THE "THROW" OR RADIUS OF SPRAY NOZZLES WHEREVER SPRAY HEAD REQUIRED FOR PROPER COVERAGE HAS A RADIUS THAT EXCEEDS THE PLANTING AREA DIMENSIONS.
6. WHEN INSTALLING SPRAY SERIES NOZZLES THAT REQUIRE ARC PATTERNS OTHER THAN THE STANDARD ARC PATTERNS (E.G., 360, 180, AND 90), THE CONTRACTOR SHALL USE THE APPROPRIATE FIXED ARC PATTERN (E.G. 120, 240, 270). THE CONTRACTOR SHALL USE VARIABLE ARC NOZZLES WHEN INSTALLING IRRIGATION HEADS ONLY WHEN REQUIRED PATTERN IS NOT ONE OF THE FIXED ARC PATTERNS. SELECT THE RADIUS OF VARIABLE ARC NOZZLES TO MATCH SITE CONDITIONS.
7. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD ADJUSTMENTS TO THE IRRIGATION SYSTEM BY INSTALLING A QUARTER CIRCLE OR HALF CIRCLE SPRINKLER HEAD ON EACH SIDE OF ANY VERTICAL ELEMENT (UTILITY BOXES, STREET LIGHTS, TREES, ETC.) WHICH PREVENTS PROPER COVERAGE BY INTERFERING WITH THE SPRAY PATTERN OF THE IRRIGATION HEAD. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COSTS TO THE OWNER.
8. LOCATE ROWS OF HEADS AND DRIP IRRIGATION LATERAL GROUPINGS AT TOP AND MID SLOPE TO MINIMIZE AND / OR ELIMINATE STANDING WATER AT BOTTOM OF SLOPE. TO THE EXTENT POSSIBLE, AVOID LOCATING HEADS AT BOTTOM OF SLOPE. CIRCUIT HEADS AT SAME ELEVATION TOGETHER.
9. DRAINAGE OF IRRIGATION WATER THROUGH SPRAY HEAD WILL NOT BE ALLOWED. INSTALL CHECK VALVES OR EQUAL AS REQUIRED TO CONTROL LOW HEAD DRAINAGE. INSTALLATION OF CHECK VALVE FEATURES SHALL BE INCLUDED IN THE BID PRICE OF THE IRRIGATION SYSTEM.
10. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL SPRAY HEADS TO BE PERPENDICULAR TO THE ADJACENT FINISH GRADE UNLESS INSTRUCTED OTHERWISE.

**D SPRAY HEAD**



**5 QUICK COUPLING VALVE**



1. PLASTIC VALVE BOX (SEE SPECS.) W/ LOCK BOLT & Q.C. HEAT BRANDED ON COVER.
2. FINISH GRADE BELOW VALVE BOX LID (1/2" SEED, 1 1/2" SOD, 2" IN PLANTER BED.
3. QUICK COUPLING VALVE AS SPECIFIED.
4. PEA GRAVEL: 6" DEEP BELOW QUICK COUPLING VALVE.
5. BRICK: 2 PLACES.
6. 3/4" SCH. 80 PVC NIPPLE.
7. 3/4" SCH. 80 PVC 6" LONG NIPPLE.
8. PVC MAIN LINE.
9. 3/4" X 3" SCH. 80 NIPPLE.
10. 3/4" SCH. 80 PVC 90° ELL.
11. 2"x2"x1/40" ANGLE IRON (36" LONG) W/ STAINLESS STEEL SCREW CLAMPS MIN. (3) PLACES.
12. USE TEFLON TAPE ON ALL THREADED CONNECTIONS.

### IRRIGATION CONTROLLER NOTES

1. IRRIGATION CONTROLLER LOCATION IS DIAGRAMMATIC. FIELD LOCATE WITHIN BUILDING. ELECTRICAL CONTRACTOR TO PROVIDE 120 V.A.C. TO DETERMINED LOCATION.
2. IRRIGATION CONTROLLER AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND CITY STANDARD DETAILS.

ELECTRICAL NOTES:

1. ALL 120 V.A.C. PRIMARY, AND 24 V.A.C. SECONDARY POWER TO BE INSTALLED AS PER STATE AND LOCAL CODES, WITH GROUND WIRE; MEETING N.E.C. AND M.A.C. REQUIREMENTS.
2. ALL WIRE TO BE UL APPROVED FOR (CONDUIT 2"), SIZE PER MANUFACTURER'S RECOMMENDATION.
3. ALL POWER WIRE TAPS AND CONNECTIONS TO CONFORM TO LOCAL AND STATE CODES AND TO BE PERFORMED BY A LICENSED ELECTRICIAN.
4. INSTALL VALVE WIRES IN ONE CONTINUOUS PULL FROM VALVES TO CONTROLLER, WITHOUT SPLICES. IF NECESSARY, ALL 24 V.A.C. FIELD SPLICES TO BE NOTED ON "AS-BUILT" DRAWINGS AND LOCATED IN ECONO VALVE BOXES AND MARKED.
3. 24 VAC WIRE SPLICING MATERIAL SHALL BE DIRECT BURIAL SPLICE KIT AS MANUFACTURED BY 3M. ONLY DBR SPLICE KIT IS ALLOWED, OR EQUAL.

## CITY OF CHASKA, MINNESOTA

# CHASKA NORTH WATER TREATMENT PLANT

## IRRIGATION NOTES AND DETAILS

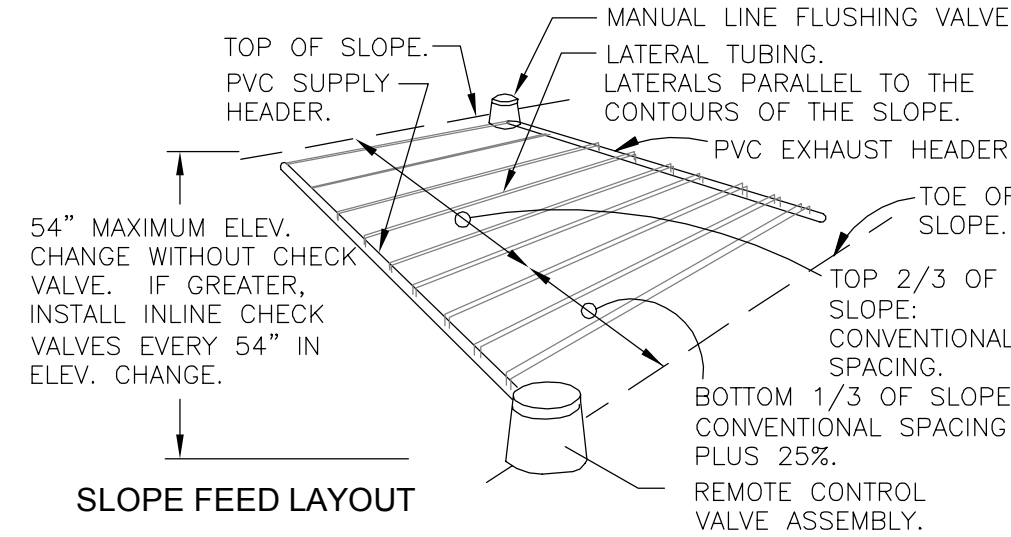
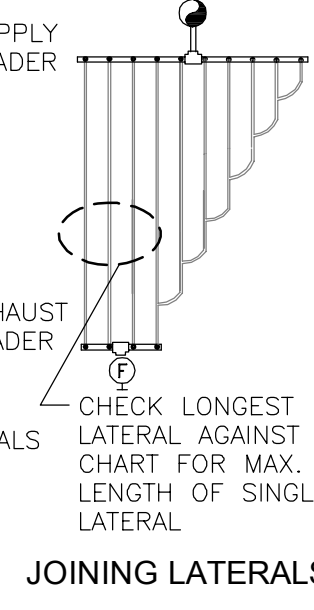
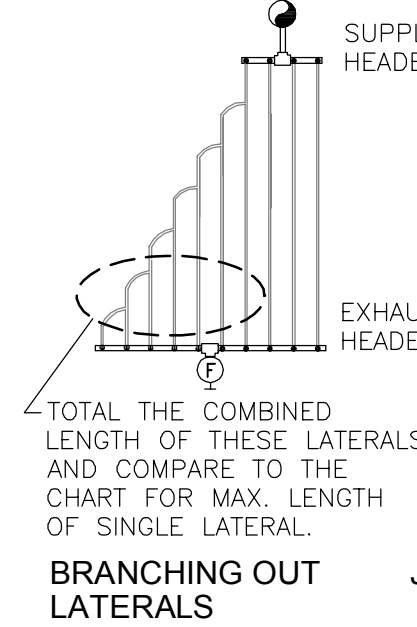
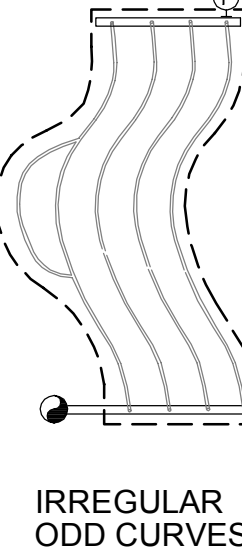
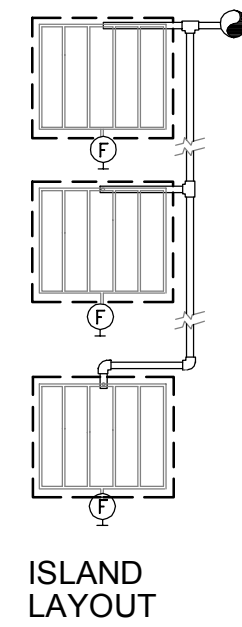
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|           |          |           |
|           |          |           |
|           |          |           |
| SURVEY    |          | BW        |
| DRAWN     |          | JCB       |
| DESIGNED  |          | JCB       |
| CHECKED   |          | TRW       |
| APPROVED  |          | ESL       |
| PROJ. NO. |          | 193805386 |



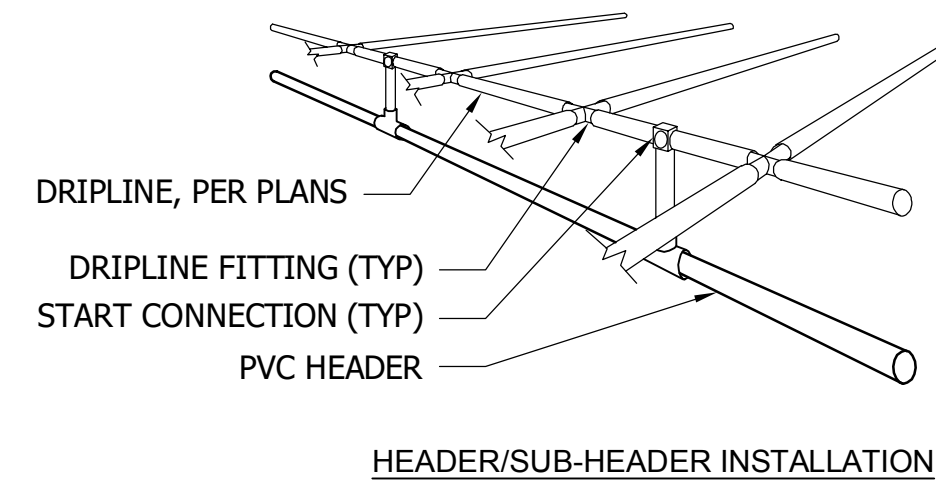


Diagram illustrating the components of a manual flushing system:

- WATER SOURCE: DRIP VALVE OR LATERAL FROM VALVE.
- TYPICAL SUPPLY PIPE.
- TYPICAL DRINKER LINE TUBING.
- TYPICAL PVC OR POLY SUPPLY OR EXHAUST HEADER.
- MANUAL LINE FLUSHING VALVE PLUMBED TO PVC OR POLY HEADER.



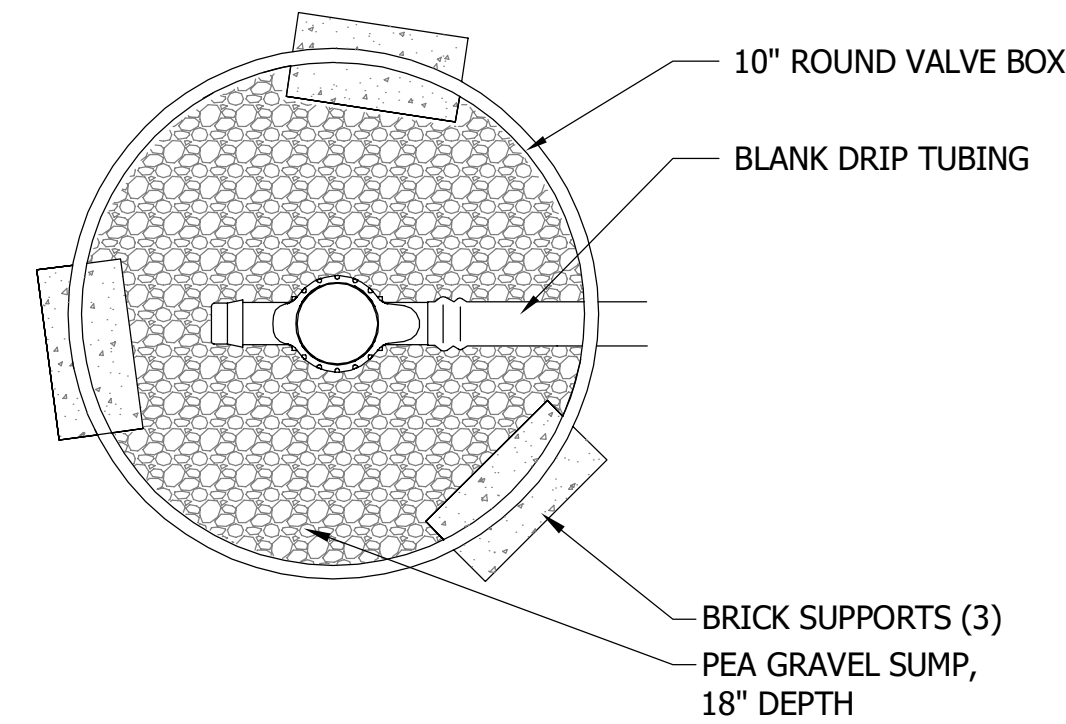
1



## 2



1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND BEST PRACTICES.
2. INSTALL CONTROLLER WHERE INDICATED ON DRAWINGS. VERIFY LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
3. PROVIDE WATERPROOF WIRE CONDUIT INTO CONTROLLER.
4. ELECTRICAL CONDUIT SHALL BE EXTENDED 6" BEYOND THE EDGE OF THE CONCRETE FOOTING.
5. BATTERY SHALL BE PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
6. IRRIGATION VALVES SHALL BE INSTALLED WITH DC LATCHING SOLENOIDS.
7. GROUND CONTROLLER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION.
8. ELECTRICAL WORK IS TO BE PERFORMED BY A LICENSED ELECTRICIAN.



## 3

## 4

**E**

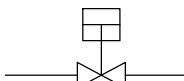
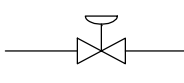
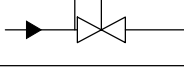
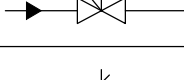
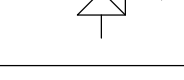
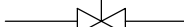


## GENERAL PROCESS MECHANICAL SYMBOLS

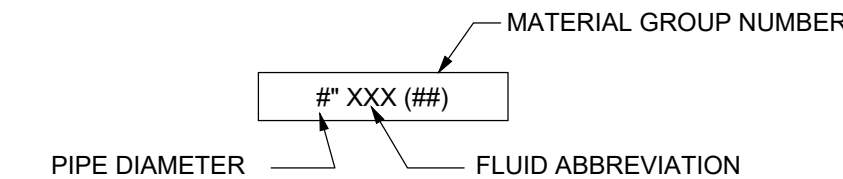
## VALVE AND GATE ACTUATORS

- |                                                                                     |                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|  | DIAPHRAGM OPERATOR                                                                        |
|  | D = DIGITAL<br>E/H = ELECTROHYDRAULIC<br>P = PNEUMATIC<br>S = SOLENOID<br>T = TEMPERATURE |
|  | HAND / MANUAL OPERATOR<br>(ALSO SHOWN AS NO OPERATOR)                                     |

MOTOR OPERATOR

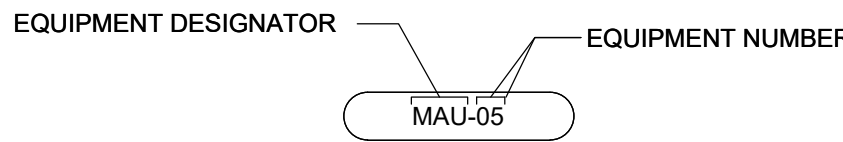
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|-------------------------------------------------------------------------------------|--------------------------------------|
|  | PISTON ACTUATOR                      |
|  | PRESSURE BALANCED DIAPHRAGM ACTUATOR |
|  | PRESSURE REGULATOR WITH EXTERIOR TAP |
|  | PRESSURE REGULATOR (SELF CONTAINED)  |
|  | PRESSURE RELIEF OR SAFETY ACTUATOR   |
|  | WEIGHT BALANCED OPERATOR             |

## TYPICAL PIPE DESIGNATION

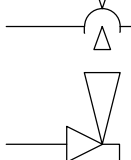
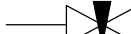
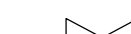
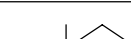
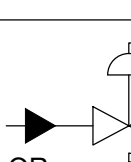


## EQUIPMENT IDENTIFICATION

SEE EQUIPMENT SCHEDULE/SPECIFICATIONS



## PIPE SUPPORTS

- |  |                                                                                       |                                                  |
|--|---------------------------------------------------------------------------------------|--------------------------------------------------|
|  |  | HOSE BIBB VALVE<br>FROM TOP, FRONT AND SIDE VIEW |
|  |  | NEEDLE VALVE                                     |
|  |  | PINCH VALVE                                      |
|  |  | PLUG VALVE - ECCENTRIC                           |
|  |  | PLUG VALVE - LUBRICATED                          |
|  |  | PRESSURE REGULATING VALVE                        |
|  |  | PRESSURE RELIEF VALVE                            |
|  |  | SLEEVE VALVE                                     |
|  |  | TELESCOPING VALVE                                |

## VALVES AND GATES

- GATES

## CHEMICAL AREAS

-  SLIDE GATE  
 (CAST IRON, ALUMINUM OR STAINLESS STEEL)
-  STOP GATE OR SHEAR GATE

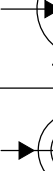
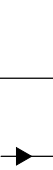
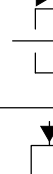
## VALVES

- |  |                                                                    |
|--|--------------------------------------------------------------------|
|  | 3 WAY MULTI-PORT VALVE                                             |
|  | 4 WAY MULTI-PORT VALVE                                             |
|  | AIR VACUUM, AIR RELEASE, OR<br>AIR VACUUM AND AIR RELEASE ASSEMBLY |
|  | ANGLE VALVE                                                        |
|  | BACK-PRESSURE VALVE                                                |
|  | BACKFLOW PREVENTER VALVE                                           |
|  | BACKWATER VALVE                                                    |
|  | BALL VALVE                                                         |
|  | BUTTERFLY VALVE                                                    |
|  | CHECK VALVE                                                        |
|  | CHECK VALVE - ANGLE                                                |

## FLOW MEASUREMENT INSTRUMENTS

- |                                                                                       |                                         |
|---------------------------------------------------------------------------------------|-----------------------------------------|
|    | DENSITY FLOWMETER                       |
|    | DISPLACEMENT FLOWMETER                  |
|    | FLOW ORIFICE                            |
|    | FLOW ORIFACE WITH QUICK CHANGE FITTINGS |
|    | FLOW TUBE                               |
|    | FLOW TURBINE                            |
|    | FLOW VANE                               |
|    | FLUME                                   |
|    | MAGNETIC FLOWMETER                      |
|    | PADDLE WHEEL METER                      |
|   | PITOT TUBE METER (DOUBLE)               |
|  | PITOT TUBE METER (SINGLE)               |

## PUMPS & COMPRESSORS

- |                                                                                       |                                                  |
|---------------------------------------------------------------------------------------|--------------------------------------------------|
|    | AIR DRIVEN DIAPHRAGM PUMP                        |
|   | HORIZONTAL ANSI END SUCTION PUMP                 |
|  | CENTRIFUGAL PUMP                                 |
|  | CENTRIFUGAL WET PIT PUMP OR TURBINE PUMP         |
|  | CHEMICAL METERING PUMP                           |
|  | CIRCULATING PUMP                                 |
|  | DRUM PUMP                                        |
|  | GEAR PUMP OR ROTARY POSITIVE DISPLACEMENT BLOWER |
|  | HORIZONTAL SPLIT CASED PUMP                      |
|  | HOSE PUMP                                        |
|  | PISTON PUMP                                      |
|  | PROGRESSIVE CAVITY PUMP                          |
|  | ROTARY LOBE PUMP                                 |
|  | SAMPLE PUMP                                      |
|  | SUBMERSIBLE PUMP                                 |
|  | SUBMERSIBLE TURBINE PUMP                         |
|  | VERTICAL TURBINE PUMP                            |
|  | PISTON DRIVEN COMPRESSOR                         |
|  | COMPRESSOR                                       |

## FLOW MEASUREMENT INSTRUMENTS (CONT'D)

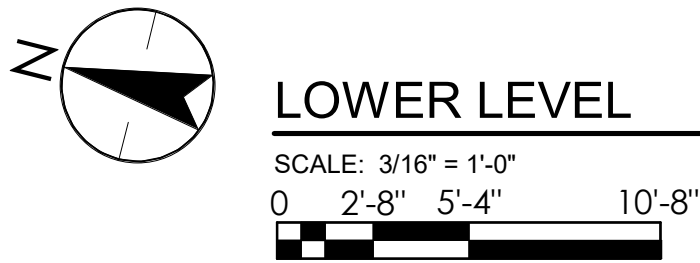
- |                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
|  | ROTAMETER / VARIABLE AREA FLOWMETER |
|  | ULTRASONIC FLOWMETER                |
|  | VENTURI FLOWMETER                   |
|  | VORTEX SHEDDING FLOWMETER           |
|  | WEIR METER                          |

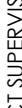
## PIPING ENDS (SINGLE-LINE)

- |  |                                 |
|--|---------------------------------|
|  | BLIND FLANGE                    |
|  | CAP - BREATHER                  |
|  | CAP - SCREW / THREADED          |
|  | CAP - WELDED                    |
|  | CAP - QUICK DISCONNECT          |
|  | EXPANSION JOINT                 |
|  | FLANGED                         |
|  | FLANGED COUPLING ADAPTER        |
|  | FLANGED COUPLING ADAPTER        |
|  | FLEXIBLE CONNECTION - FABRIC    |
|  | FLEXIBLE CONNECTION - METAL     |
|  | GROOVED END COUPLING            |
|  | MECHANICAL JOINT                |
|  | PIPE MATERIAL CHANGE            |
|  | PUSH-ON JOINT - BELL AND SPIGOT |
|  | PUSH-ON JOINT - RESTRAINED      |
|  | REDUCER - CONCENTRIC            |
|  | REDUCER - ECCENTRIC             |
|  | REMOVABLE SPOOL PIECE           |
|  | SLEEVE TYPE COUPLING            |
|  | SLEEVE TYPE COUPLING - FLANGED  |
|  | UNION                           |
|  | WELDED                          |



Plot Date: 5/9/2023 11:39:33 AM  
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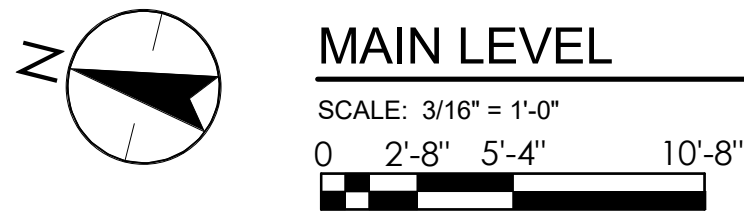


- I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT  
 WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION  
 AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER  
 UNDER THE LAWS OF THE STATE OF MINNESOTA
- PRINT NAME: RYAN J. CAPELLE
- SIGNATURE: 
- DATE: 05/09/2023 UC NO. 43142

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| NO.                  | REVISION  | DATE |
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| SURVEY               | -         |      |
| DRAWN                | MR        |      |
| DESIGNED             | AMH       |      |
| CHECKED              | RJC       |      |
| APPROVED             | RJC       |      |
| PROJ. NO.            | 193805386 |      |
| SHEET NUMBER<br>D101 |           |      |



Plot Date: 5/9/2023 11:39:34 AM  
File Path: BIM 360://193805386 WTP Chaska/193805386d-md.mt



1. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE INSTALLATION OF ALL CHEMICAL FEED EQUIPMENT AND ASSOCIATED PIPING. REFER TO CHEMICAL FEED SPECIFICATION AND FEED SYSTEM SCHEMATICS.
2. ALL PIPELINES PENETRATING THE TOP SLABS OF POTABLE WATER TANKS MUST BE SLEAVED AS SPECIFIED IN SECTION 04 05 10 WITH SLEEVE EXTENDING 1" ABOVE FINISHED FLOOR MIN.
3. ALL PLUMBING, SAMPLE AND CHEMICAL LINES ARE REQUIRED TO HAVE STEEL SLEEVES AT ALL WALL AND SLAB PENETRATIONS. REFER TO SPECIFICATION SECTIONS 04 05 10 FOR CONSTRUCTION AND SEAL REQUIREMENTS.
4. REFER TO SPECIFICATION SECTIONS 04 05 25 VALVE AND ACCESSORIES AND/OR THE CRS SCOPE OF SUPPLY FOR TYPE OF VALVE ACTUATORS TO BE PROVIDED AND INSTALLED.
5. CONTRACTOR SHALL VERIFY CENTERLINE LOCATION OF ALL PUMPS PRIOR TO CONSTRUCTION.
6. INSTALL FOUR TEI RODS & GUSSET PLATES AT EVEN SPACING FROM PUMP DISCHARGE TO DISCHARGE BASE ELBOWS. PROVIDE COUPLINGS ON ALL RODS AND GUSSET PLATE COUPLINGS.
7. WALL PENETRATIONS AT EXTERIOR WALLS AND BETWEEN WATER HOLDING TANKS SHALL BE MJ & MJ WALL SLEEVES AND/OR AS NOTED ON THE DRAWINGS. SEE DETAIL 2 & 3/D501.
8. STEEL SLEEVE AND LINK SEAL SHALL BE PROVIDED AT NON WATERTIGHT PENETRATIONS. SEE DETAIL 1/D501.
9. PROVIDE TAPS TO BE COUPLINGS INTO PROCESS PIPING TO ACCOMMODATE ALL PRESSURE TRANSMITTERS, CHEMICAL FEED INJECTIONS, SAMPLE TAPS, AND OTHER ACCESSORIES AS SHOWN ON P&IDs. SUBMIT LOCATIONS FOR ALL TAPS AS PART OF PROCESS PIPING SUBMITTAL.

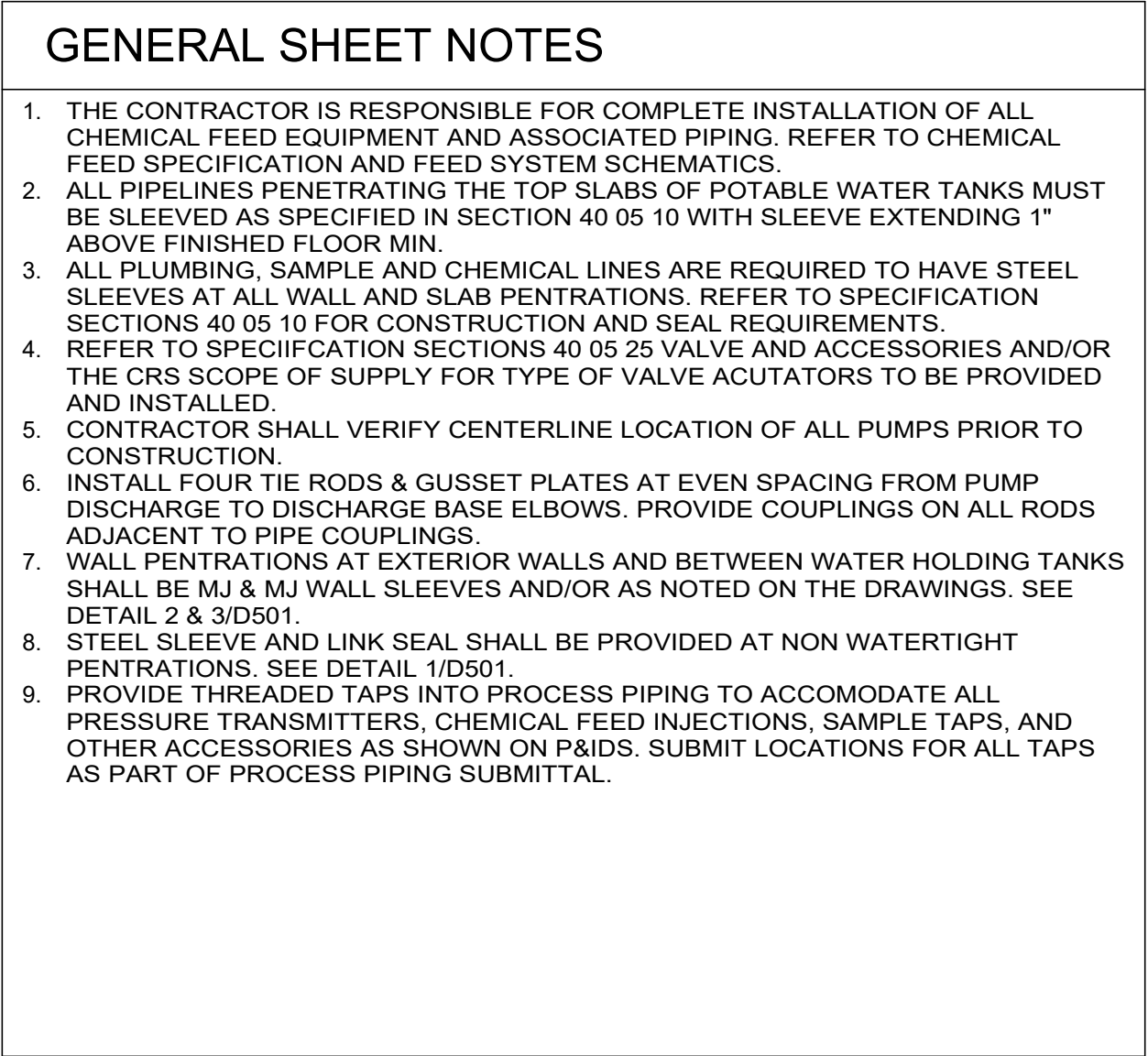
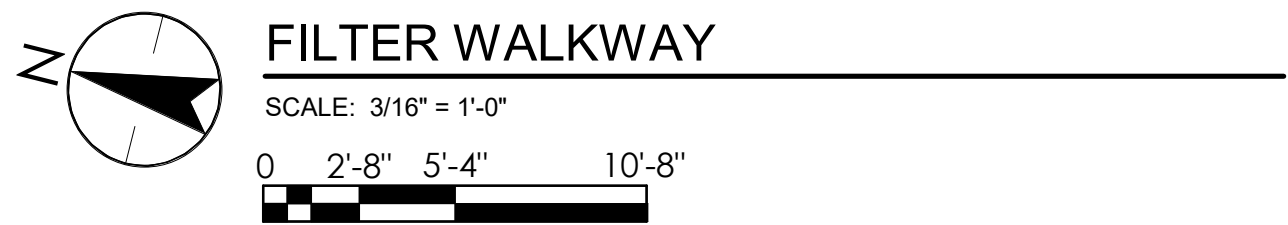
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
MAIN LEVEL PLAN

SHEET NUMBER  
D102





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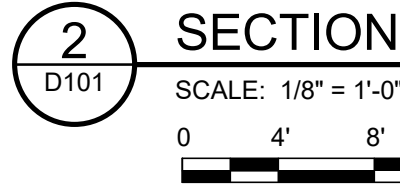
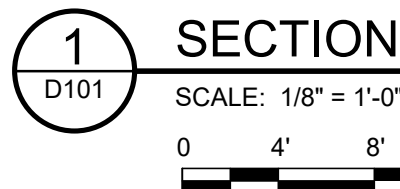
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| SURVEY    |          | -    |
| DRAWN     |          | MP   |
| DESIGNED  |          | AMH  |
| CHECKED   |          | RJC  |
| APPROVED  |          | RJC  |
| PROJ. NO. | 19380538 |      |

SHEET NUMBER  
D103

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
UPPER LEVEL PLAN



Plot Date: 5/9/2023 11:39:40 AM  
File Path: BIM 360://193805386 WTP Chaska/193805386d-md.mt



1. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE INSTALLATION OF ALL CHEMICAL FEED EQUIPMENT AND ASSOCIATED PIPING. REFER TO CHEMICAL FEED SPECIFICATION AND FEED SYSTEM SCHEMATICS.
2. ALL PIPELINES PENETRATING THE TOP SLABS OF POTABLE WATER TANKS MUST BE SLEEVES AS SPECIFIED IN SECTION 40 05 10 WITH SLEEVE EXTENDING 1" ABOVE FINISHED FLOOR MIN.
3. ALL PLUMBING, SAMPLE AND CHEMICAL LINES ARE REQUIRED TO HAVE STEEL SLEEVES AT ALL WALL AND SLAB PENETRATIONS. REFER TO SPECIFICATION SECTIONS 40 05 10 FOR CONSTRUCTION AND SEAL REQUIREMENTS.
4. REFER TO SPECIFICATION SECTIONS 40 05 26 VALVE AND ACCESSORIES AND/OR THE CRS SCORE OF SUPPLY FOR TYPE OF VALVE ACTUATORS TO BE PROVIDED AND INSTALLED.
5. CONTRACTOR SHALL VERIFY CENTERLINE LOCATION OF ALL PUMPS PRIOR TO CONSTRUCTION.
6. INSTALL FOUR TIE RODS & GUSSET PLATES AT EVEN SPACING FROM PUMP DISCHARGE TO DISCHARGE BASE ELBOWS. PROVIDE COUPLINGS ON ALL RODS ADJACENT TO JACKET TO BE CAPTAINS.
7. WALL PENETRATIONS AT EXTERIOR WALLS AND BETWEEN WATER HOLDING TANKS SHALL BE MJ & MJ WALL SLEEVES AND/OR AS NOTED ON THE DRAWINGS. SEE DETAIL 2 & 3/D501.
8. STEEL SLEEVE AND LINK SEAL SHALL BE PROVIDED AT NON WATERTIGHT PENETRATIONS. SEE DETAIL 1/D501.
9. PROVIDE THROUGH PENETRATIONS INTO PROCESS PIPING TO ACCOMMODATE ALL PRESSURE TRANSMITTERS, CHEMICAL FEED INJECTIONS, SAMPLE TAPS, AND OTHER ACCESSORIES AS SHOWN ON P&IDs. SUBMIT LOCATIONS FOR ALL TAPS AS PART OF PROCESS PIPING SUBMITTAL.

**Stantec**  
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Minneapolis, MN 55402  
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CITY OF CHASKA, MINNESOTA

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CHASKA NORTH WATER TREATMENT PLANT

SECTION

| NO.       | REVISION | DATE |
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| SURVEY    | -        |      |
| DRAWN     | MH       |      |
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| CHECKED   | RJC      |      |
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| PROJ. NO. | 19380538 |      |

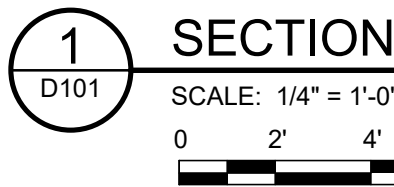
SHEET NUMBER  
D301



Page 173 of 404



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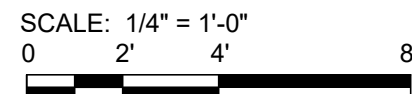
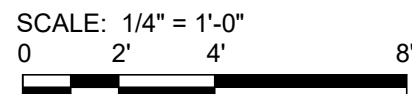


- 2** SECTION  
D101  
SCALE: 1/4" = 1'-0"  
0 2' 4'

[illegible]



Plot Date: 5/9/2023 11:39:47 AM

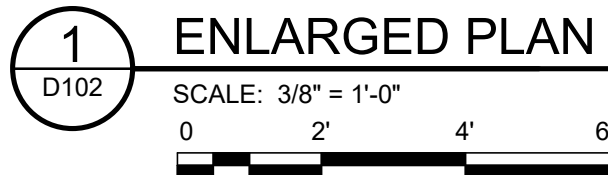


- SHEET NUMBER  
D304





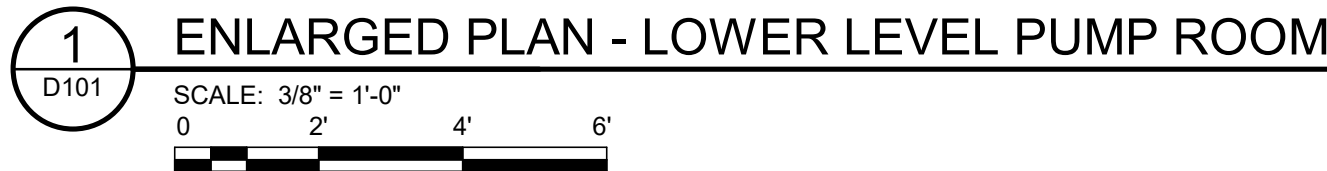
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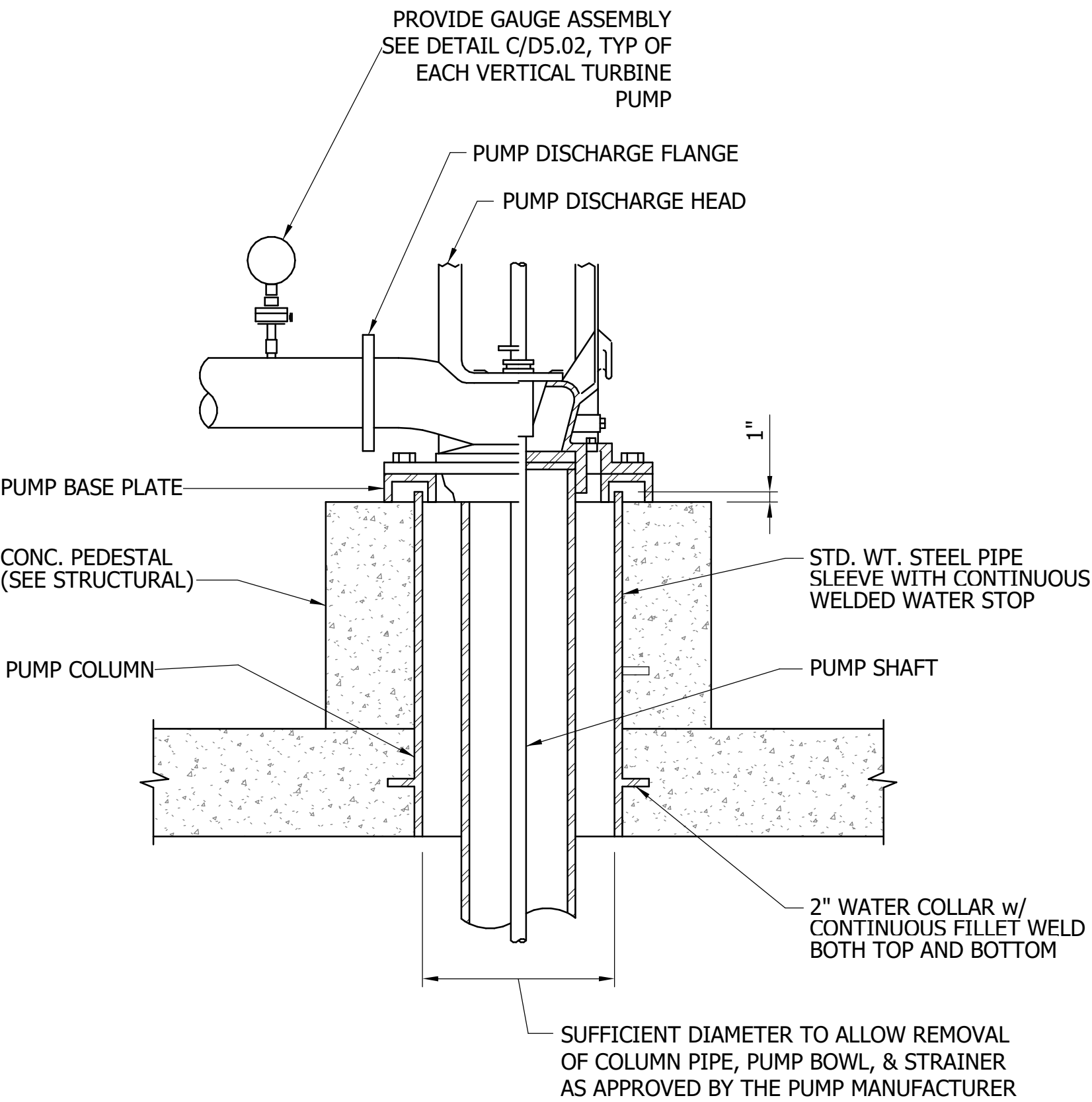
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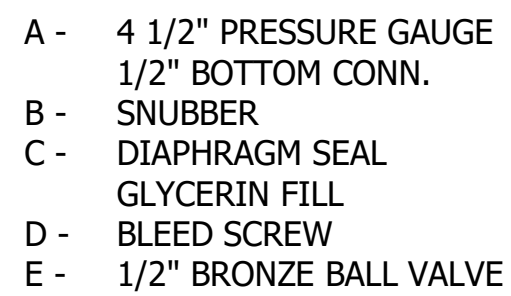
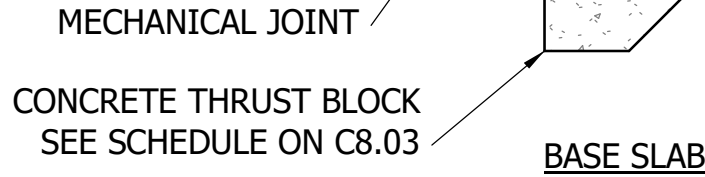
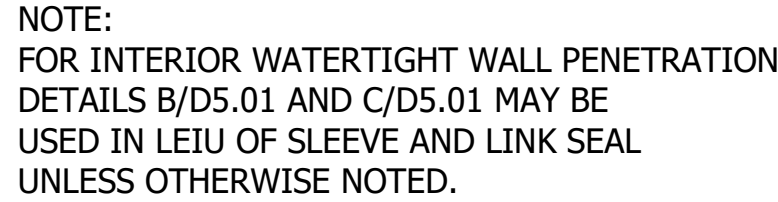
SHEET NUMBER  
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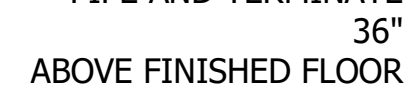
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NO SCALE



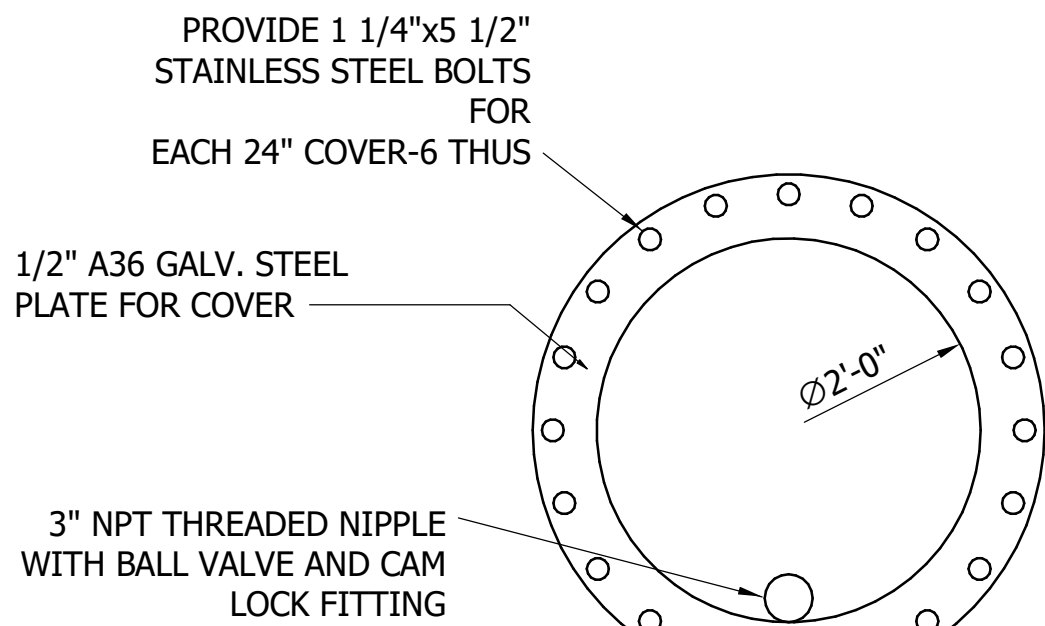
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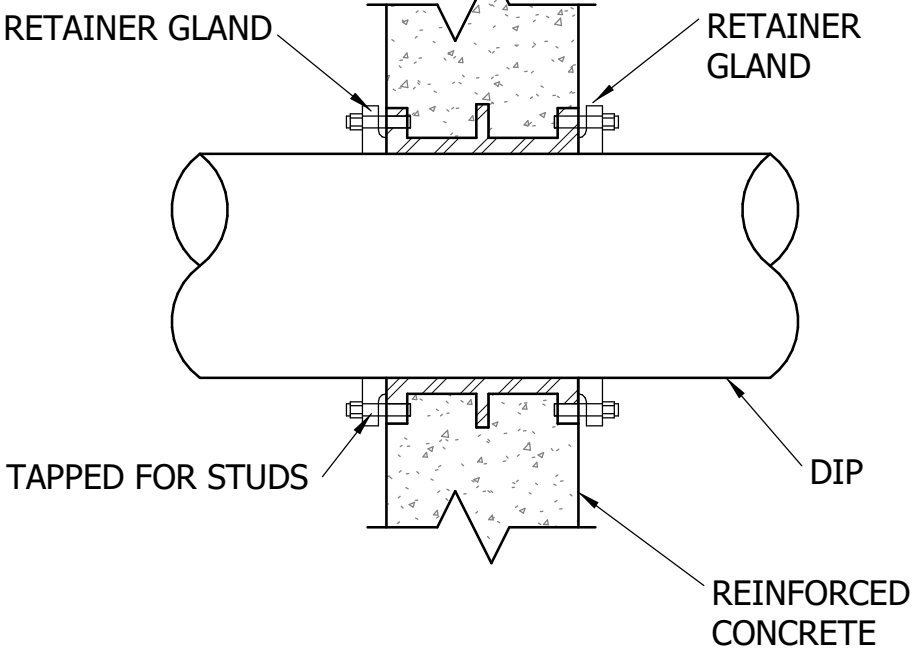
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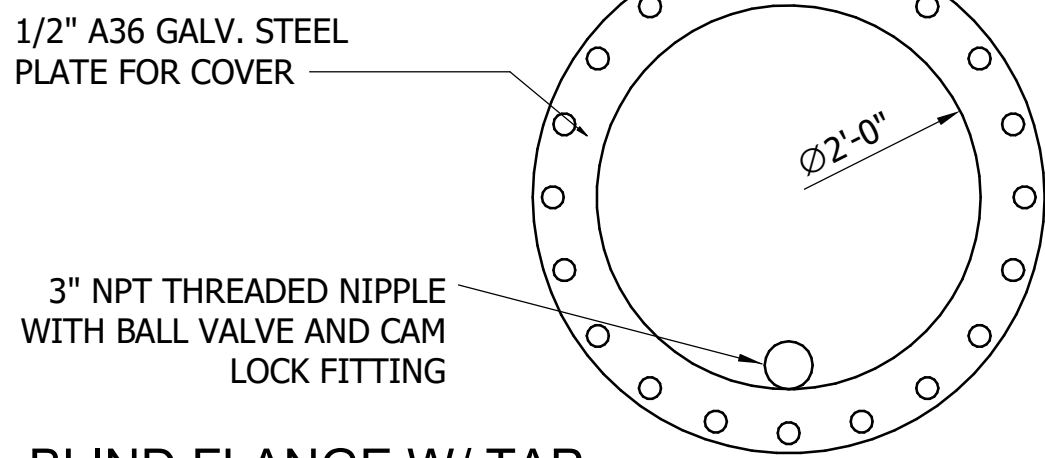
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NO SCALE



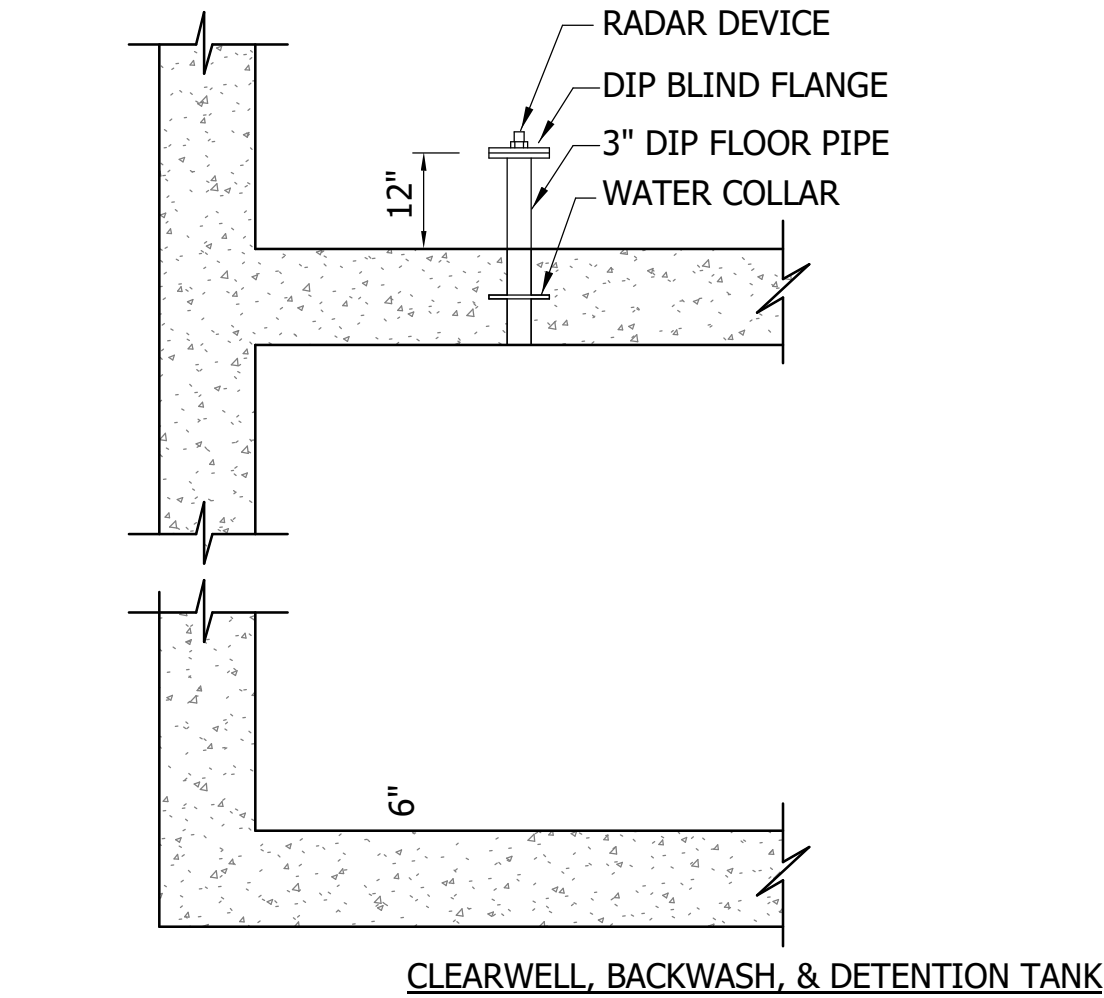
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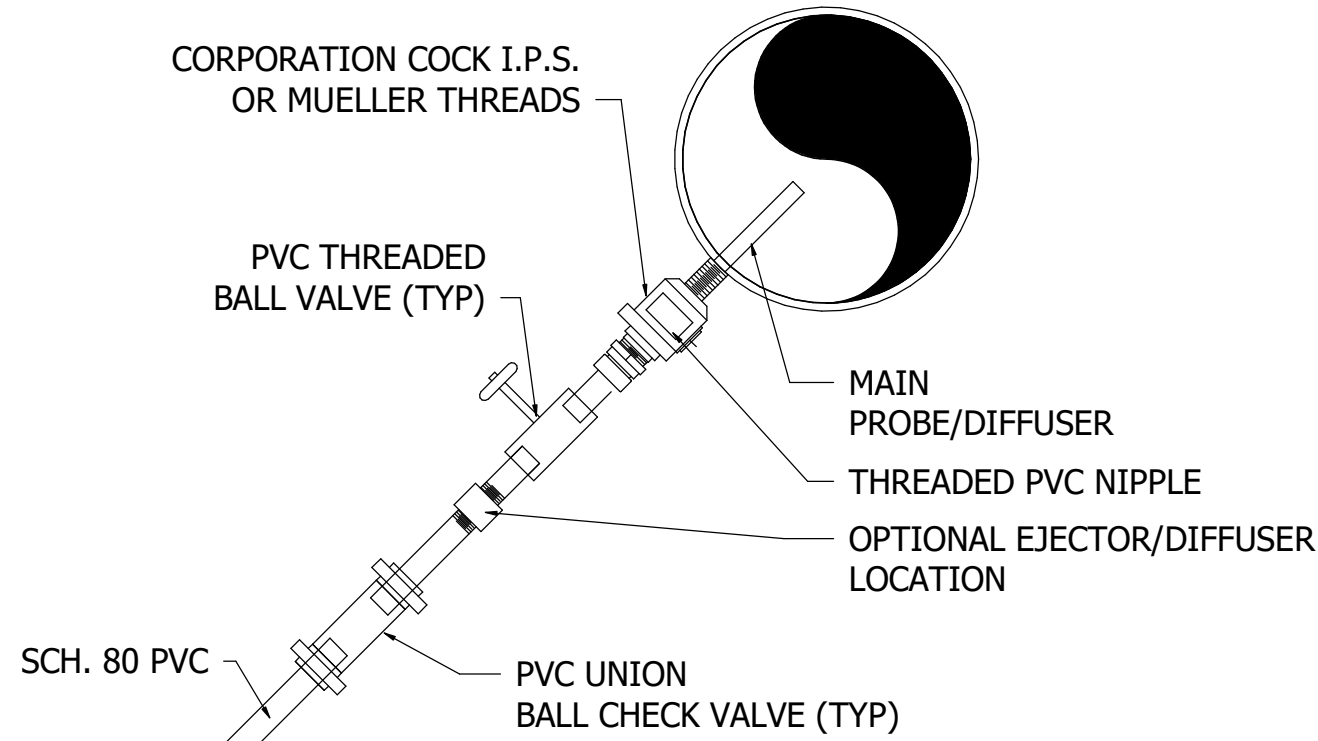
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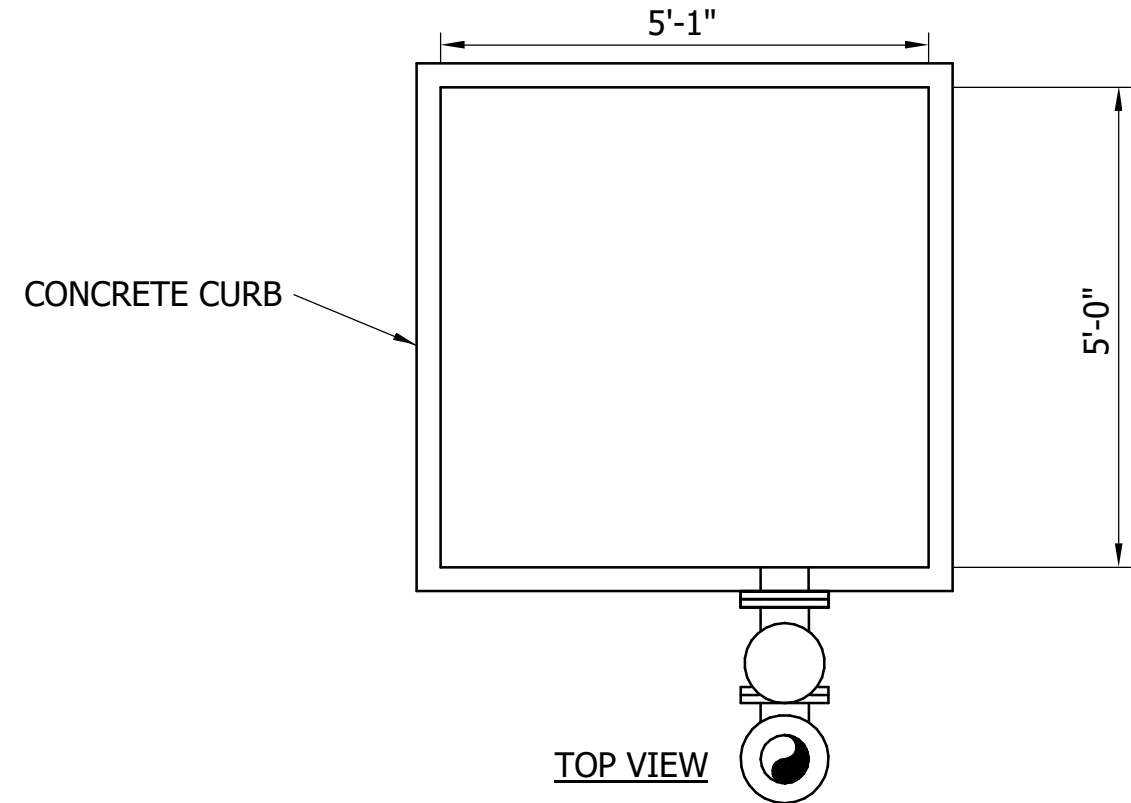
Plot Date: 5/9/2023 11:39:53 AM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386d-md.rvt



2 WELL CONSTRUCTION DETAIL  
SCALE: 3/4" = 1'-0"



5 GAS CHEMICAL PIPELINE DIFFUSER  
SCALE: 1" = 1'-0"



CORPORATION COCK I.P.S.  
OR MUELLER THREADS

MAIN PROBE/DIFFUSER

THREADED PVC NIPPLE

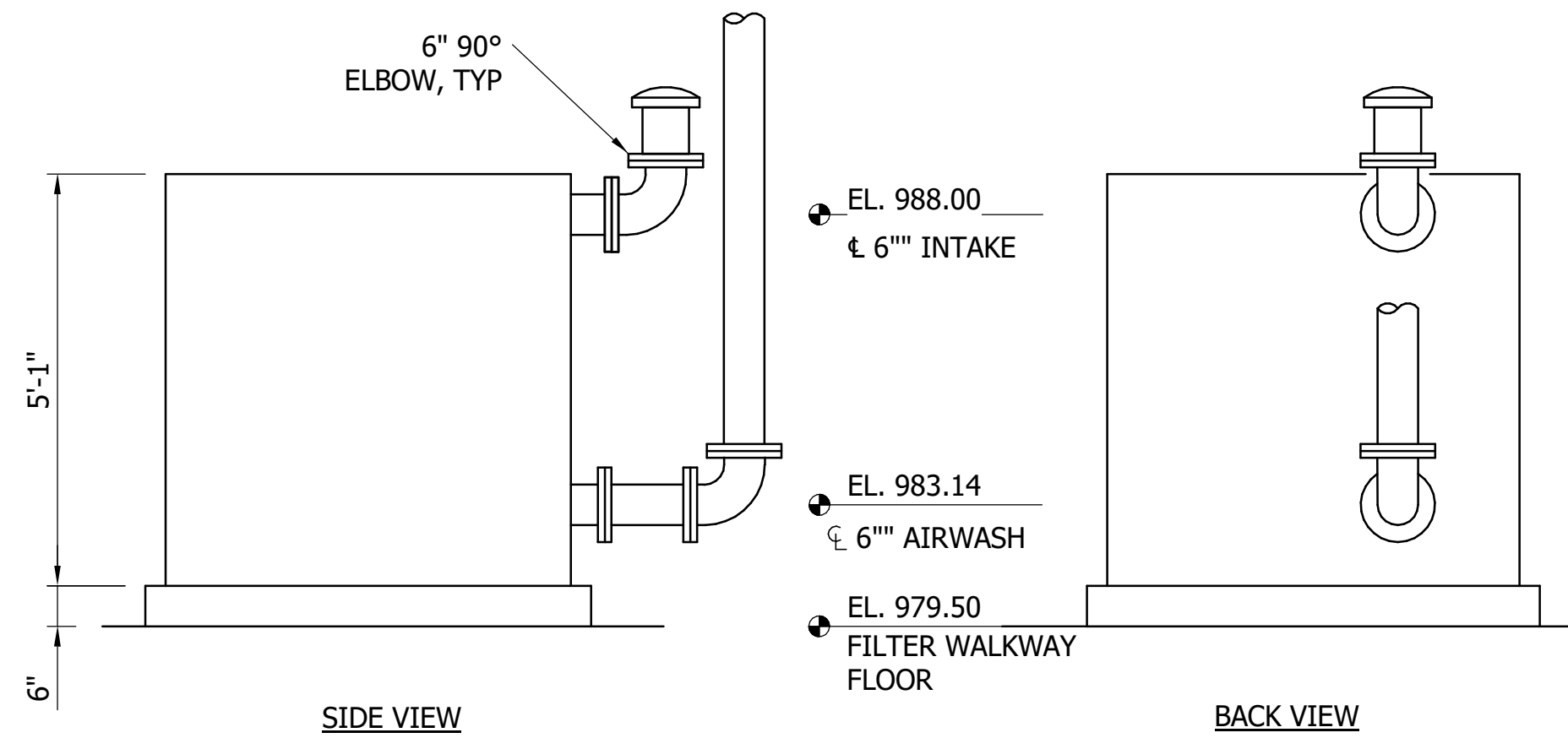
PVC UNION

SCH. 80 PVC

PVC THREADED  
BALL VALVE (TYP)

**6** **CHEMICAL PIPELINE DIFFUSER**

SCALE: 1" = 1'-0"



7 BLOWER DETAIL  
SCALE: 1/2" = 1'-0"

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UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: RYAN J. CAPELLE

SIGNATURE: 

DATE: 05/09/2023 LIC. NO. 43142

CITY OF CHASKA, MINNESOTA

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CHASKA NORTH WATER TREATMENT PLANT

PROCESS DETAILS

| NO.       | REVISION | DATE     |
|-----------|----------|----------|
| X         | X        | X        |
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| SURVEY    |          | -        |
| DRAWN     |          | MF       |
| DESIGNED  |          | AMH      |
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| PROJ. NO. |          | 19380538 |

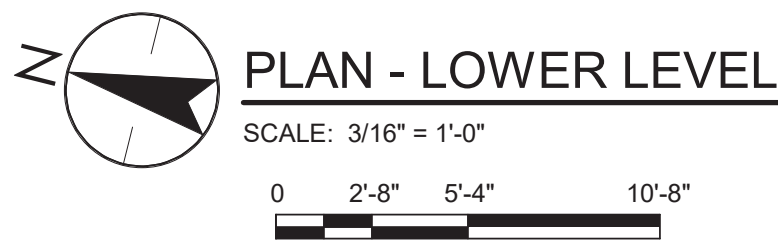
SHEET NUMBER  
D502





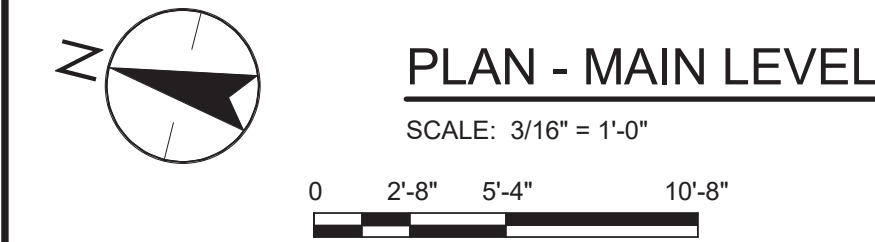


Plot Date: 5/8/2023 8:47:11 AM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386a-md.rvt





Plot Date: 5/8/2023 8:47:18 AM  
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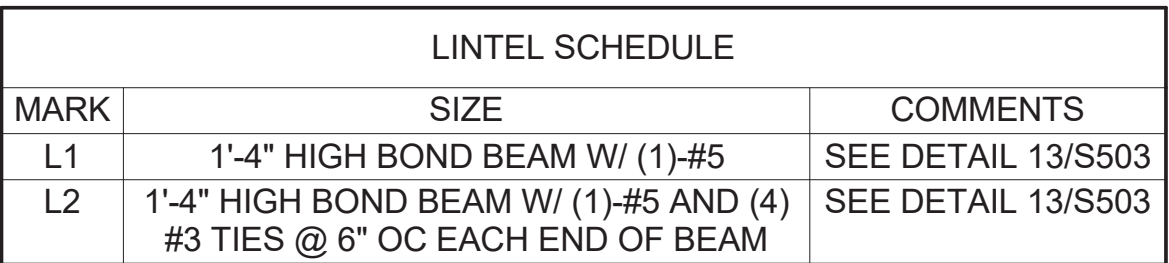
NOTE:  
PROVIDE L1 LINTEL FOR ALL MASONRY OPENINGS NOT SHOWN.





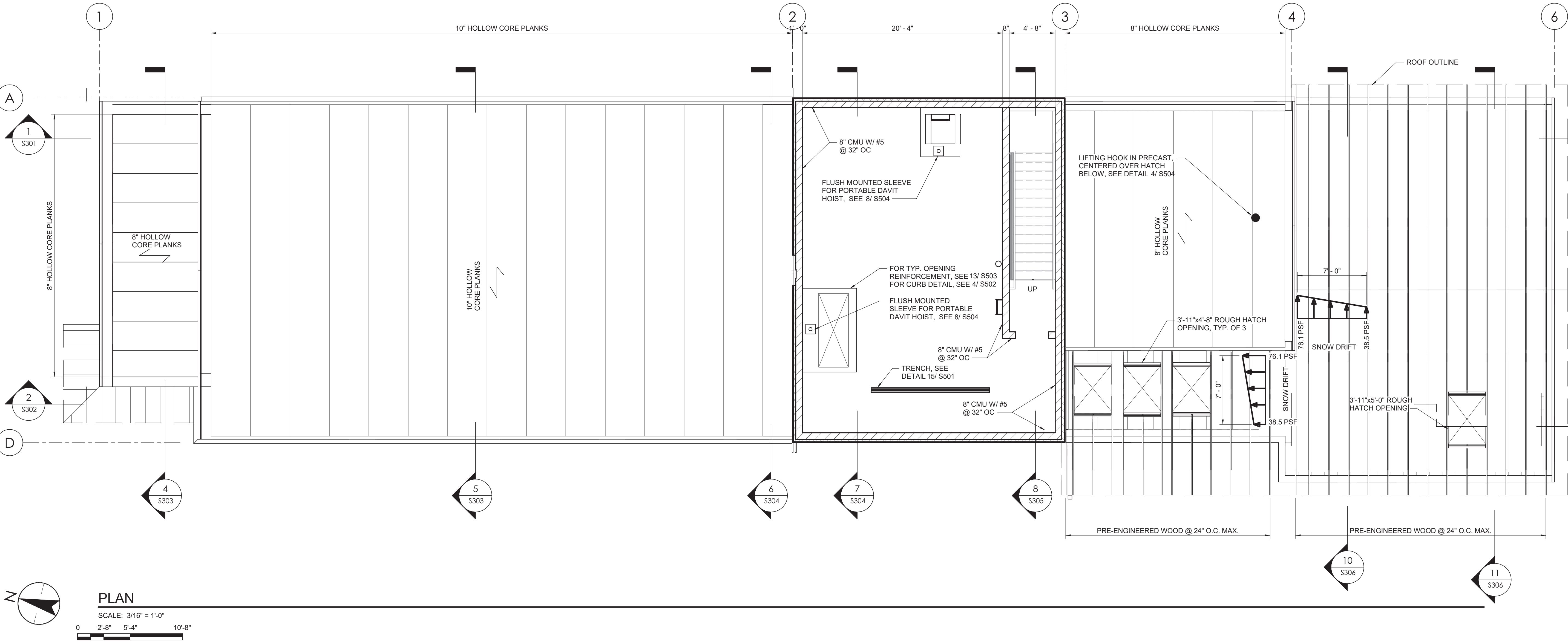


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| SURVEY    | -        |      |
| DRAWN     | K.BAH    |      |
| DESIGNED  | BGB      |      |
| CHECKED   | BGB      |      |
| APPROVED  | BGB      |      |
| PROJ. NO. | 19380538 |      |





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 AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER  
 UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: BRIAN G. BELLEWARE

SIGNATURE: *Brian G. Belleware*

DATE: 05/09/2023 LIC. NO. 503378

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
AREATOR FLOOR

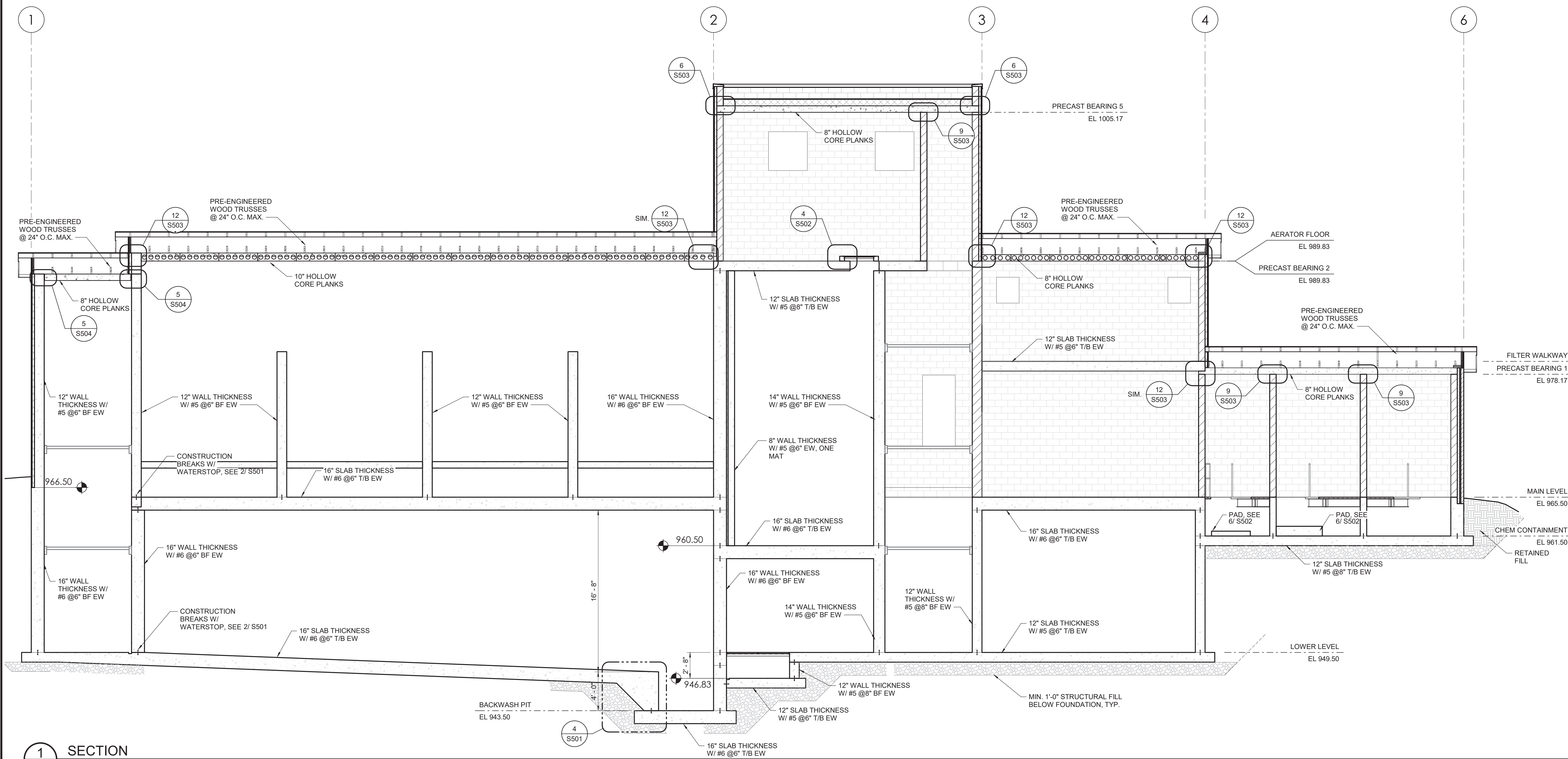
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| DRAWN     | K.BAHI   |      |
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| PROJ. NO. | 19380538 |      |







Plot Date: 5/8/2023 8:47:45 AM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386a-md.rvt



**1** SECTION  
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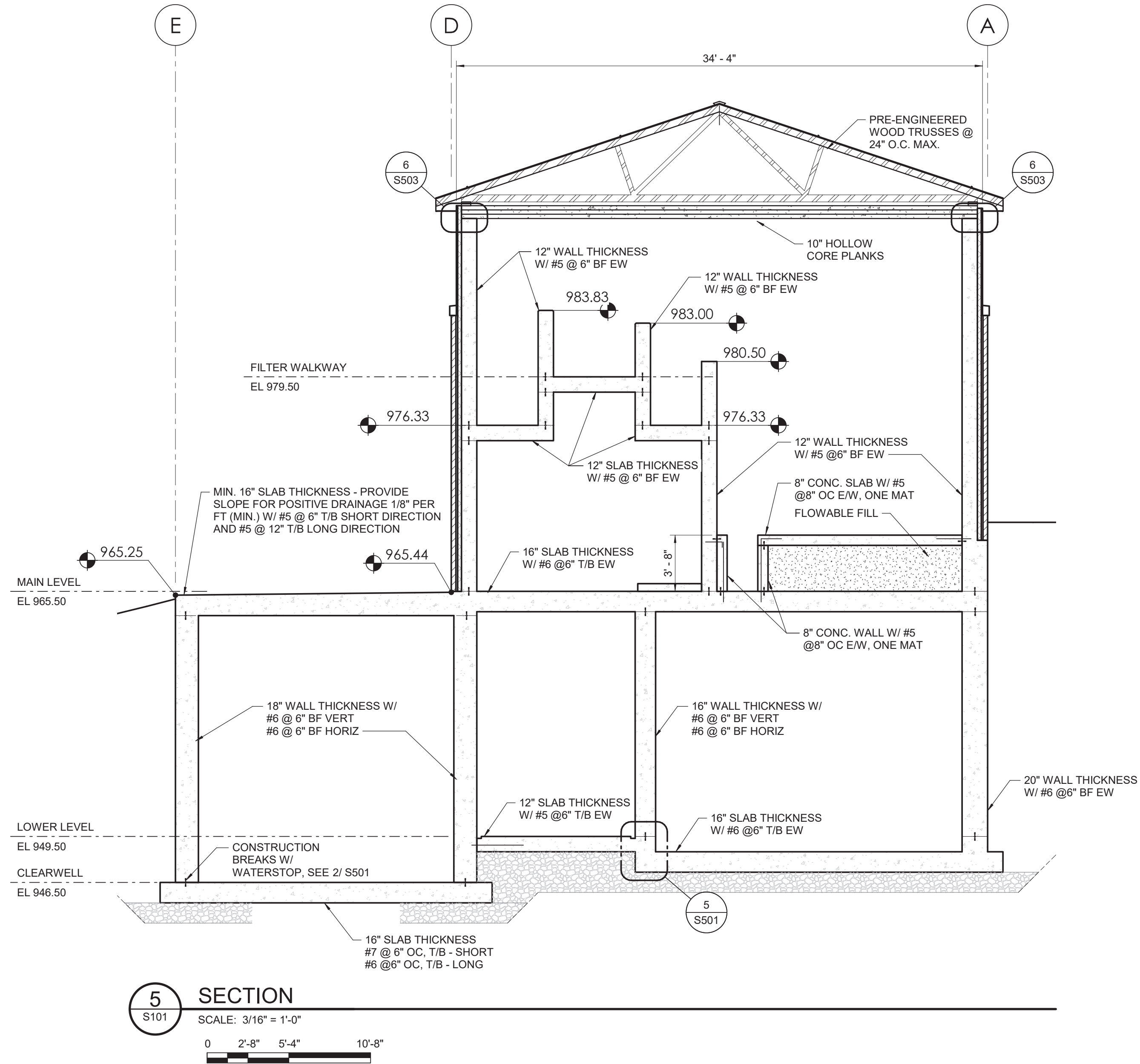
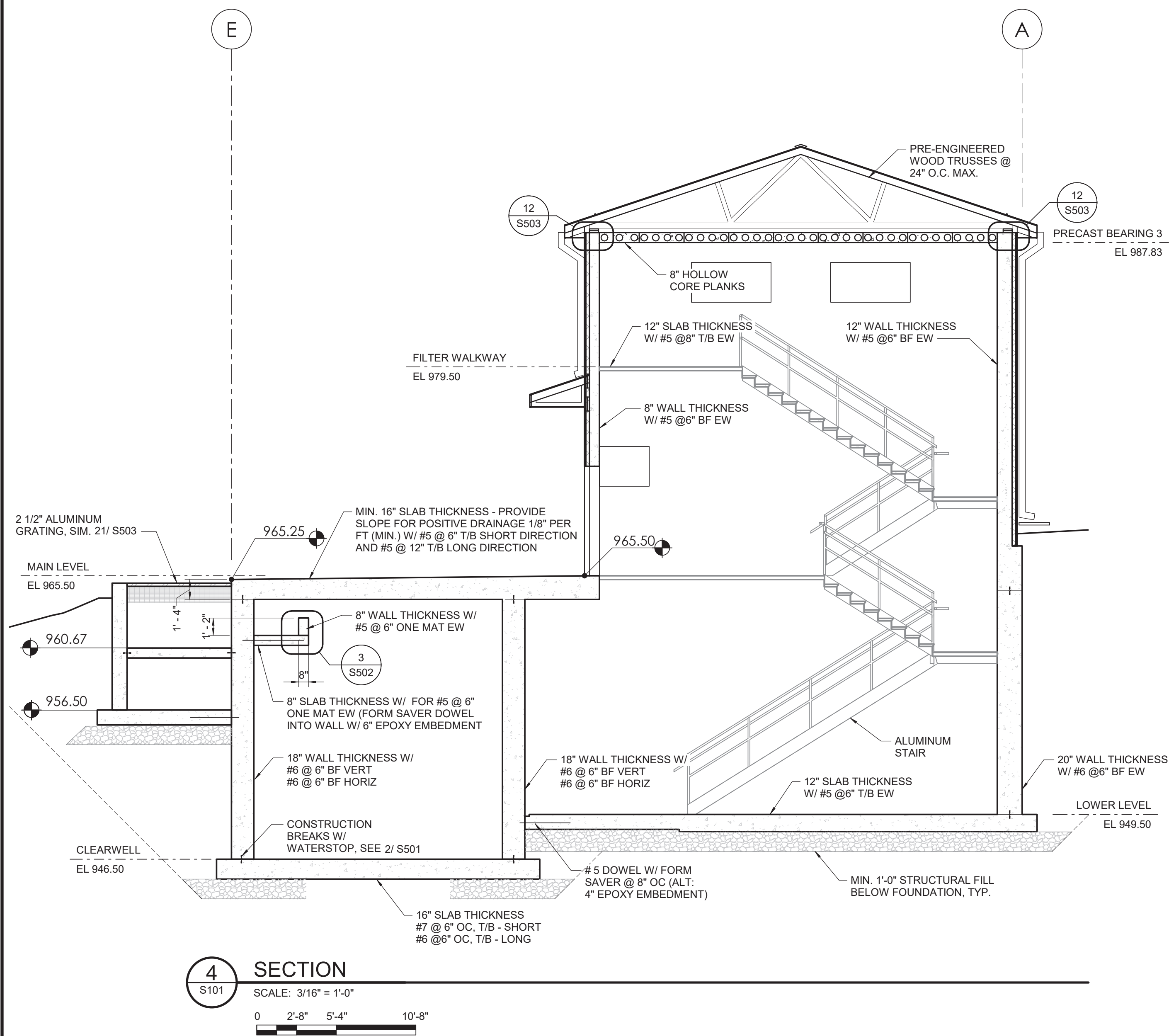
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| <h1 style="margin: 0;">CITY OF CHASKA, MINNESOTA</h1> <h2 style="margin: 0;">CHASKA NORTH WATER TREATMENT PLANT</h2> <h3 style="margin: 0;">SECTIONS</h3>                                                   |  |  | <p style="margin: 0;"><b>stantec</b></p> <p style="margin: 0;">733 Marquette Avenue, Suite 1000<br/>         Minneapolis, MN 55402<br/> <a href="http://www.stantec.com">www.stantec.com</a></p> |
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| SIGNATURE: <i>Brian G. Bellemore</i>                                                                                                                                                                        |  |  | LIC. NO. 552978                                                                                                                                                                                  |
| DATE: 05/07/2023                                                                                                                                                                                            |  |  | LIC. NO. 552978                                                                                                                                                                                  |



Plot Date: 5/8/2023 8:47:53 AM  
File Path: BIM 360:///193805386\_WTP\_Chaska/193805386a-md.rvt







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PRINT NAME: BRIAN G. BELLEWARE

SIGNATURE: *Brian G. Belleware*

DATE: 05/09/2023 LIC. NO. 503378

CITY OF CHASKA, MINNESOTA

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CHASKA NORTH WATER TREATMENT PLANT

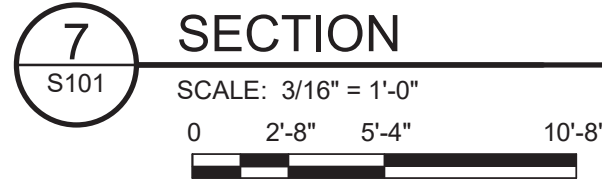
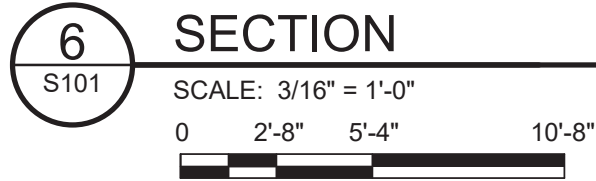
SECTIONS

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| DESIGNED  | BGB      |      |
| CHECKED   | BGB      |      |
| APPROVED  | BGB      |      |
| PROJ. NO. | 19380538 |      |

SHEET NUMBER  
S303



Plot Date: 5/8/2023 8:48:05 AM  
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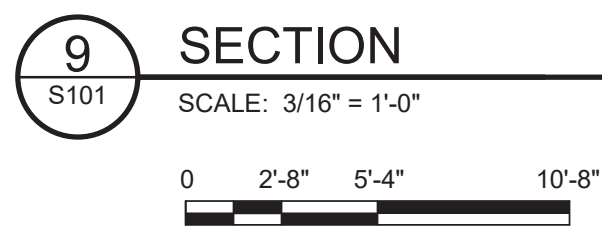
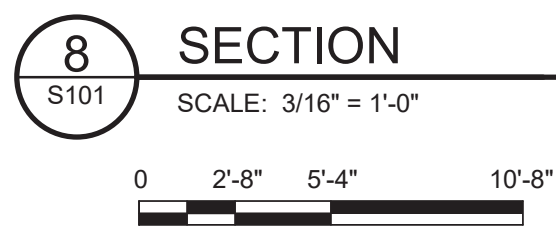


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| SURVEY    |          | -     |
| DRAWN     |          | K.BAH |
| DESIGNED  |          | BGE   |
| CHECKED   |          | BGE   |
| APPROVED  |          | BGE   |
| PROJ. NO. | 19380538 |       |

SHEET NUMBER  
**S304**



Plot Date: 5/8/2023 8:48:11 AM  
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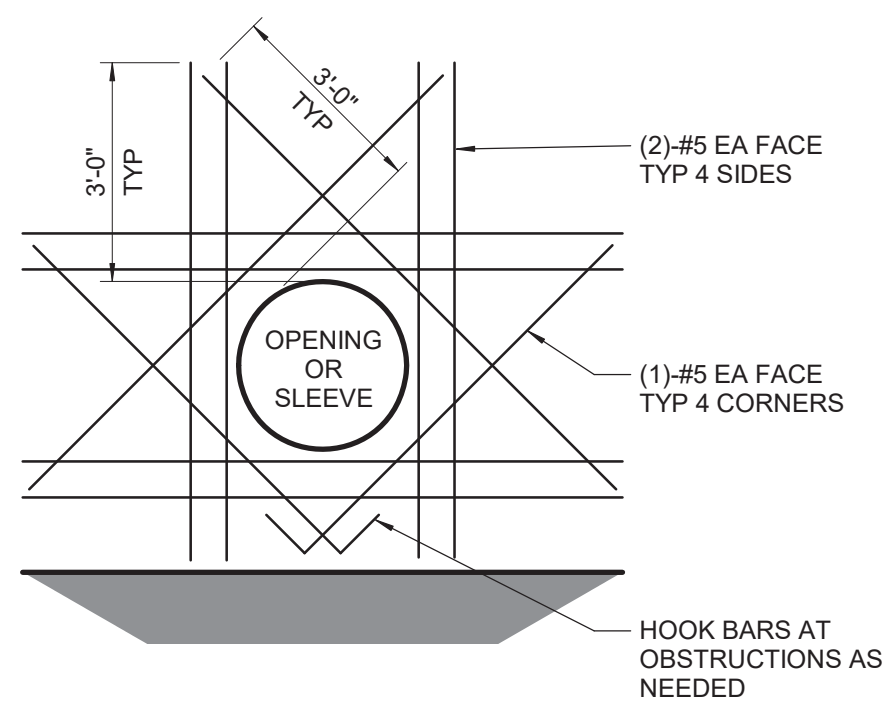


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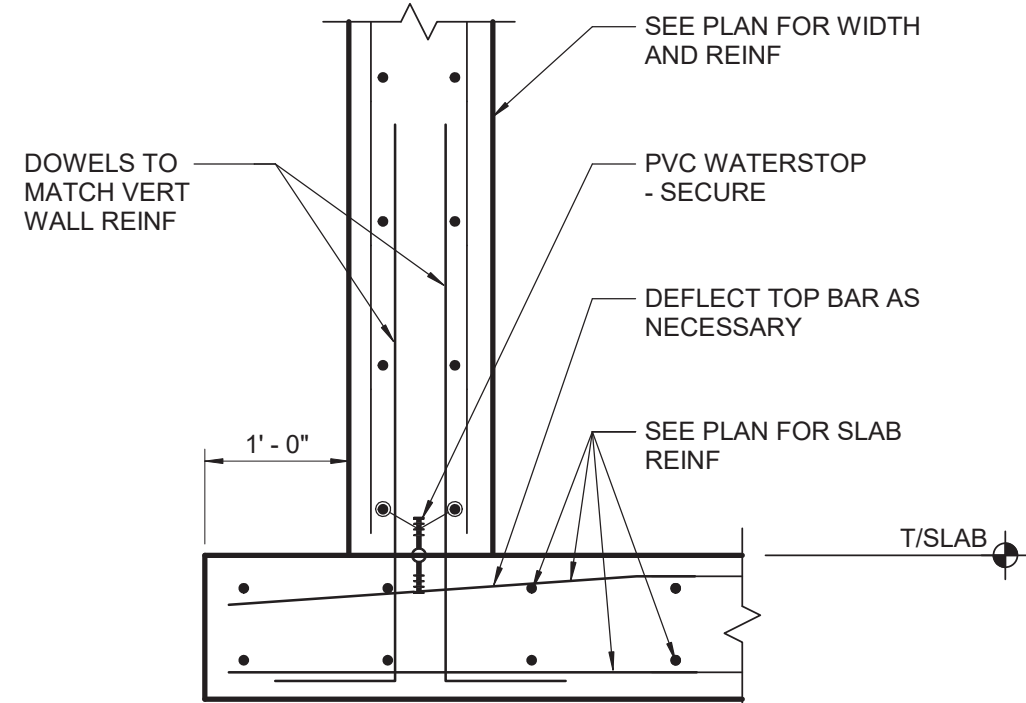
S306



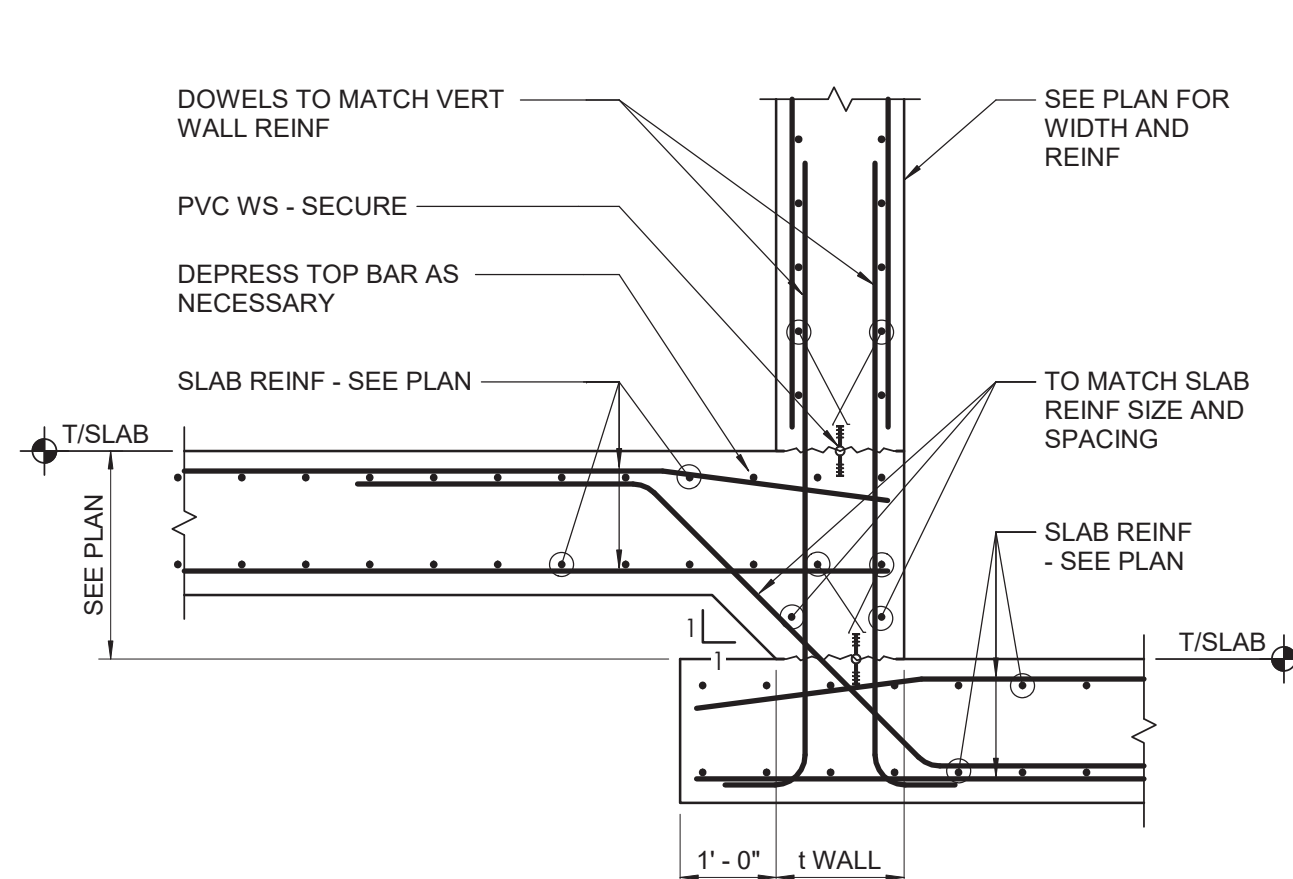


NOTE: REINFORCING SIMILAR AT  
RECTANGULAR OPENINGS

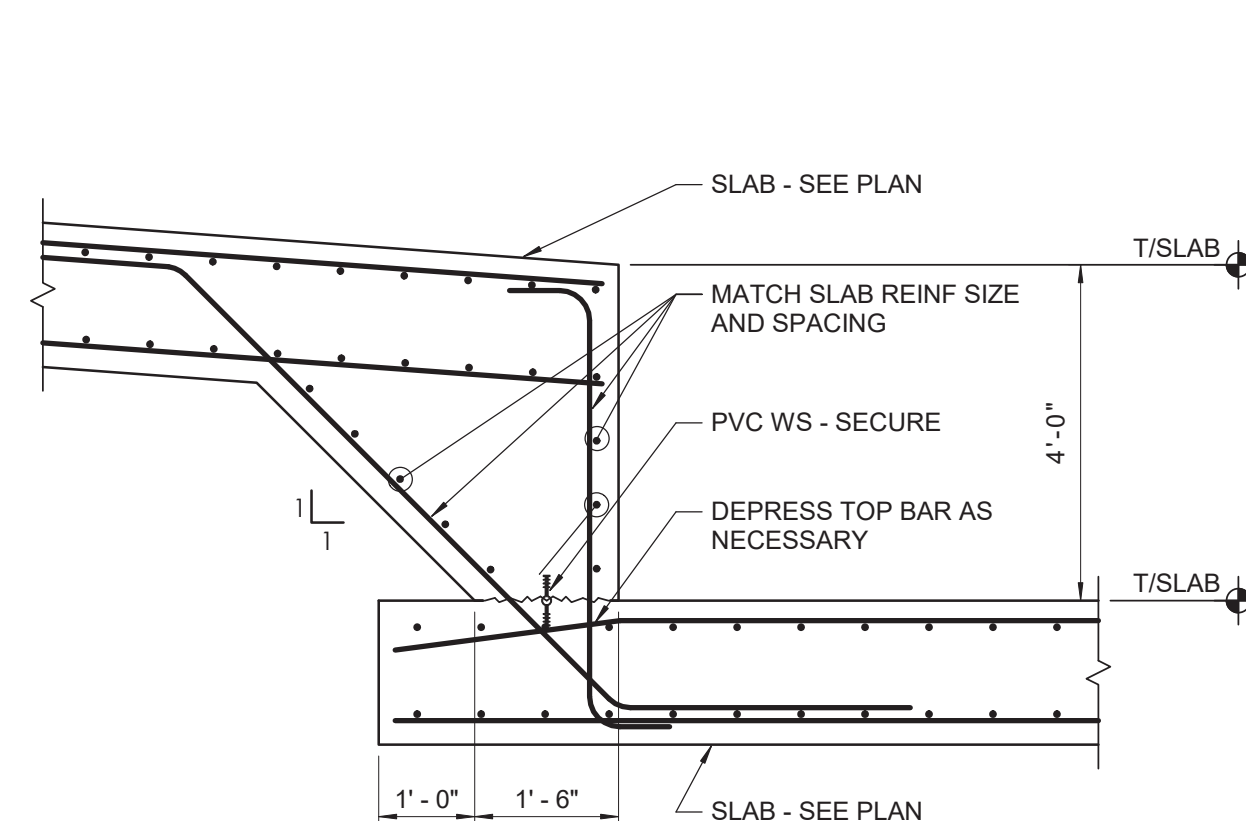
1 OPENING REINFORCEMENT  
NO SCALE



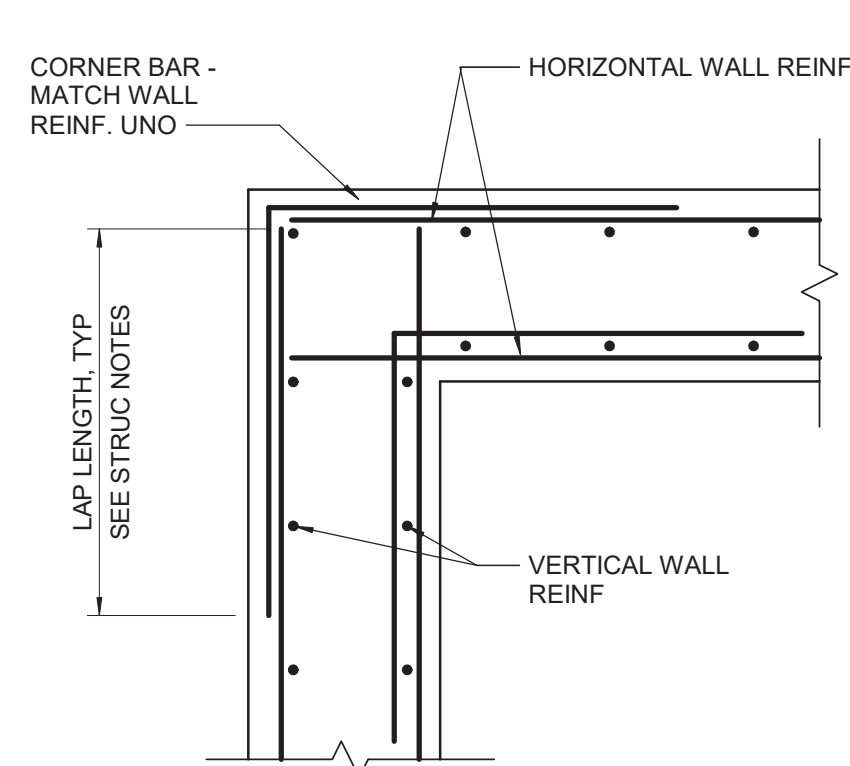
2 CONCRETE TANK WALL  
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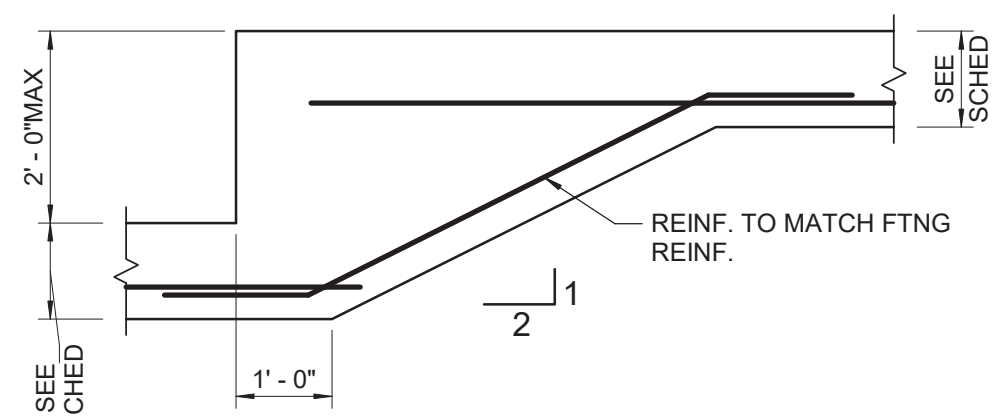
3 SLAB EDGE  
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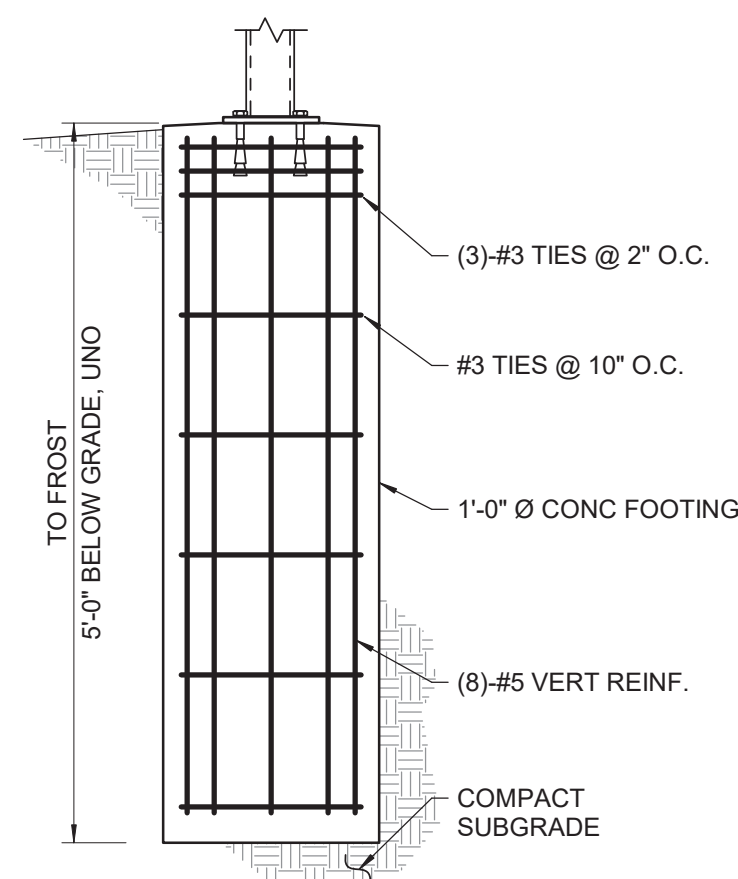
4 BACKWASH SLAB EDGE  
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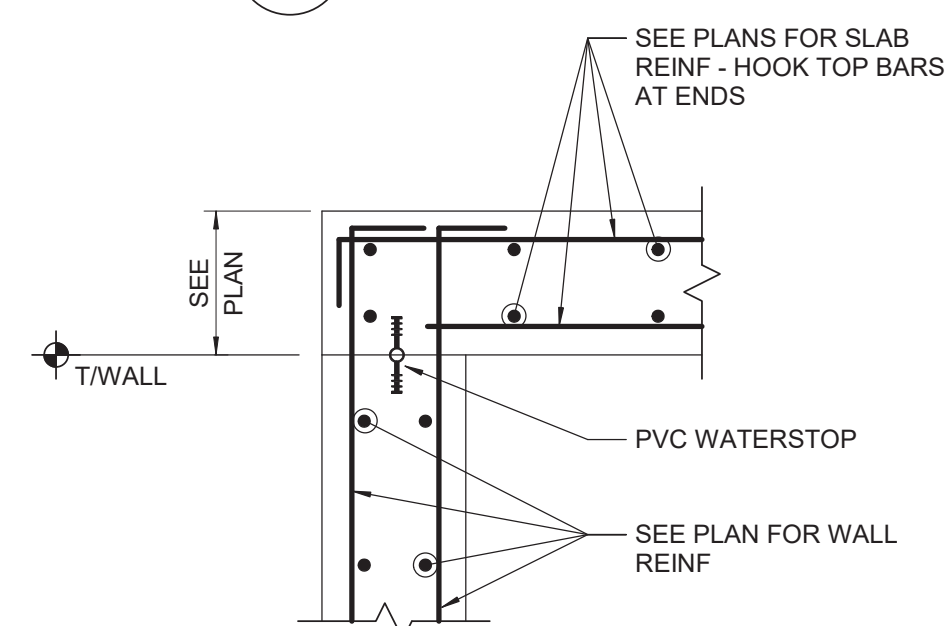
5 CORNER REINFORCING DETAIL  
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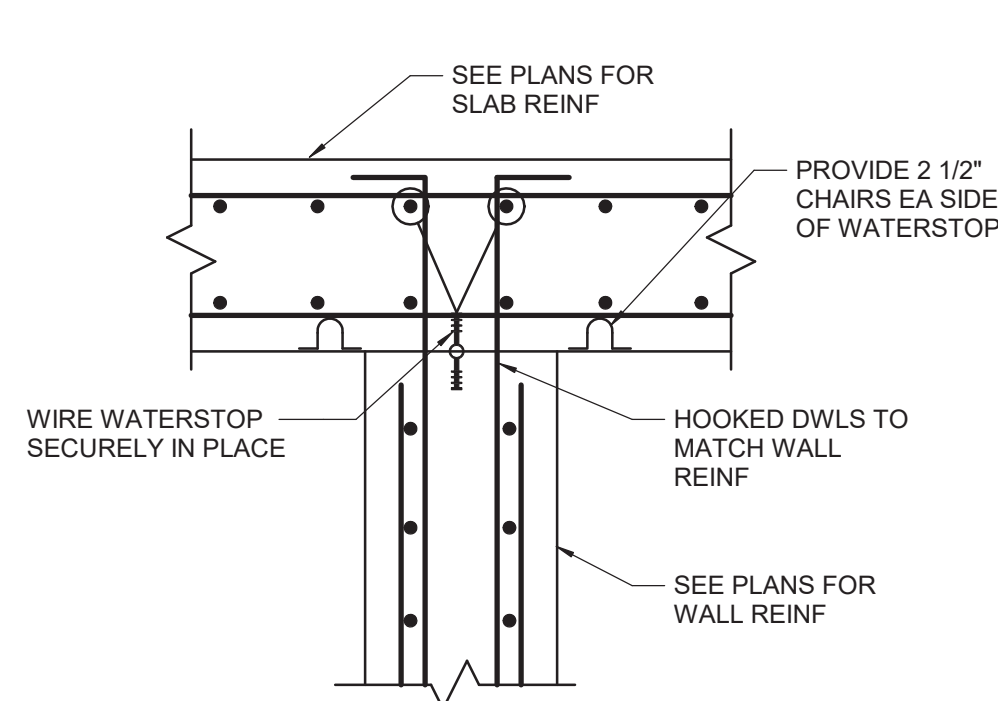
6 STEP FOOTING DETAIL  
NO SCALE



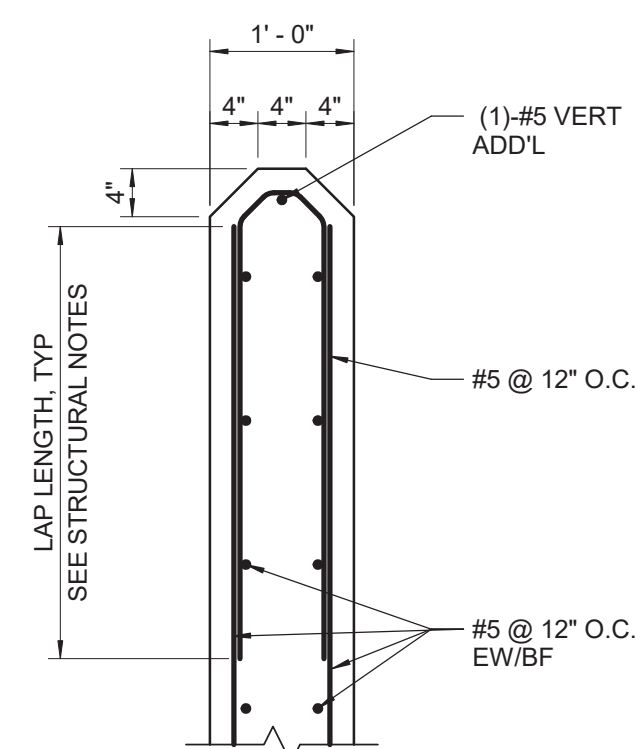
7 STAIR SUPPORT FOOTING DETAIL  
NO SCALE



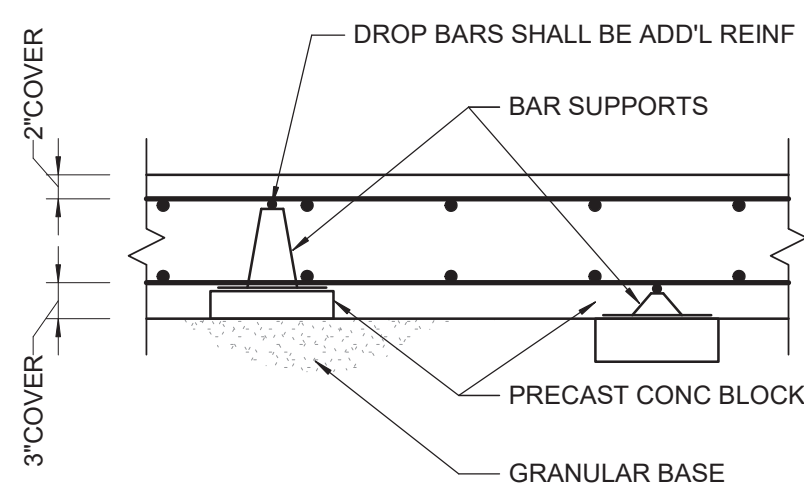
8 CONCRETE SLAB  
OR BEAM AT WALL  
NO SCALE



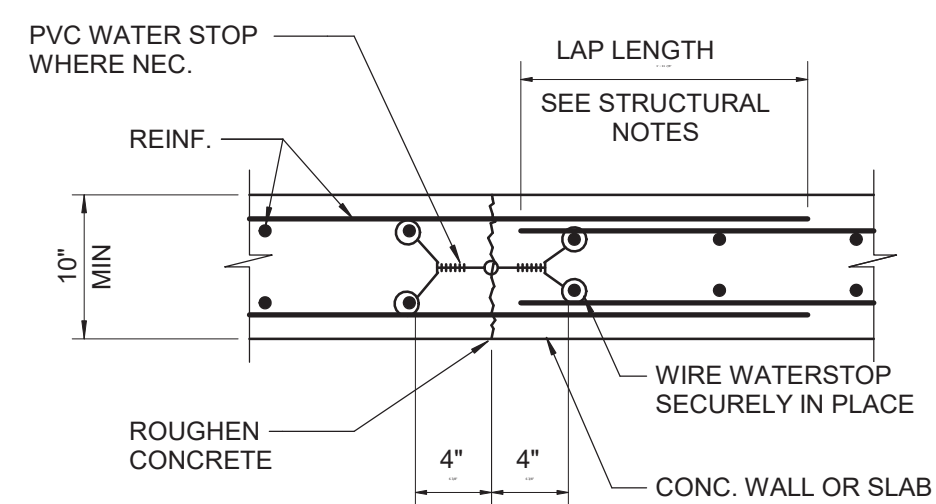
9 CONCRETE SLAB AT WALL  
NO SCALE



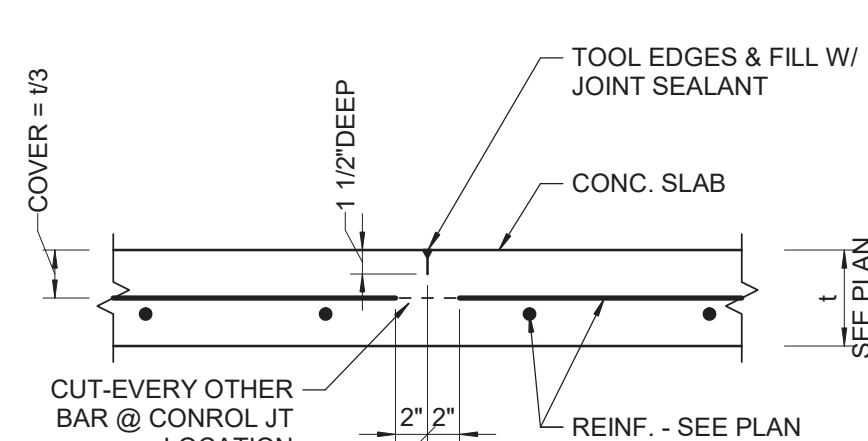
## 10 DIVIDING WALL DETAIL NO SCALE



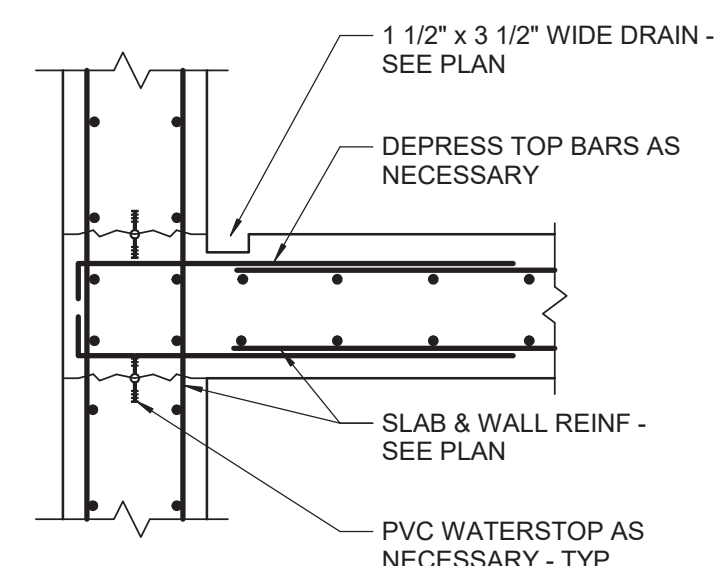
11 CONCRETE SLAB SUPPORT  
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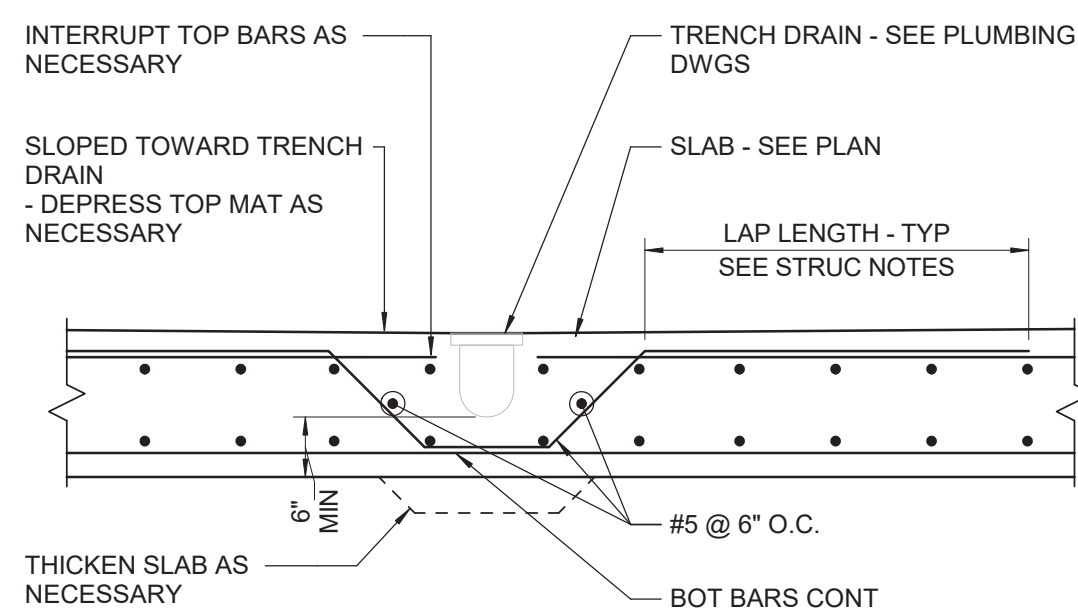
12 CONSTRUCTION JOINT  
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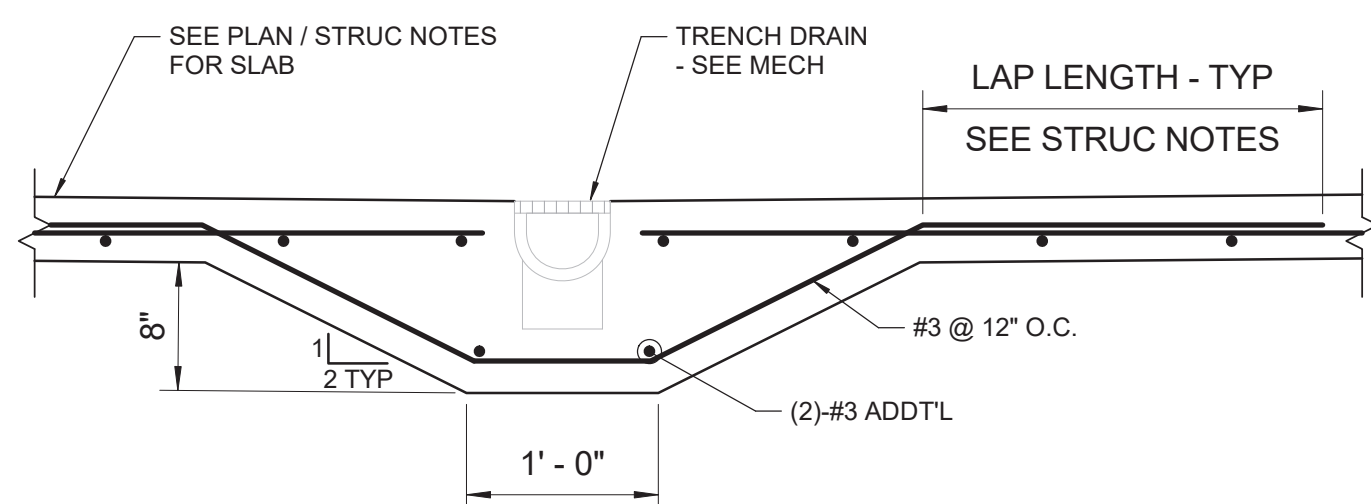
13 CONTROL JOINT DETAIL  
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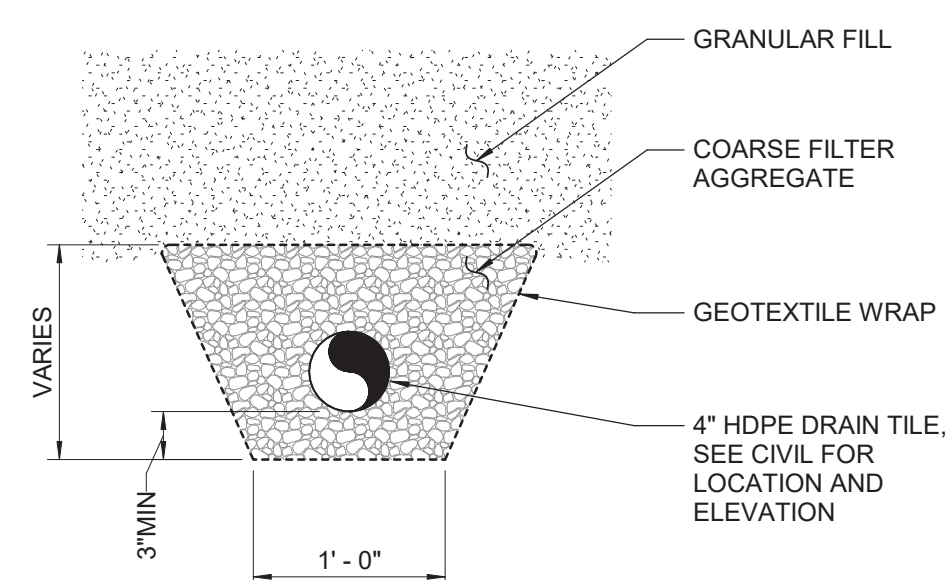
14 PERIMETER DRAIN  
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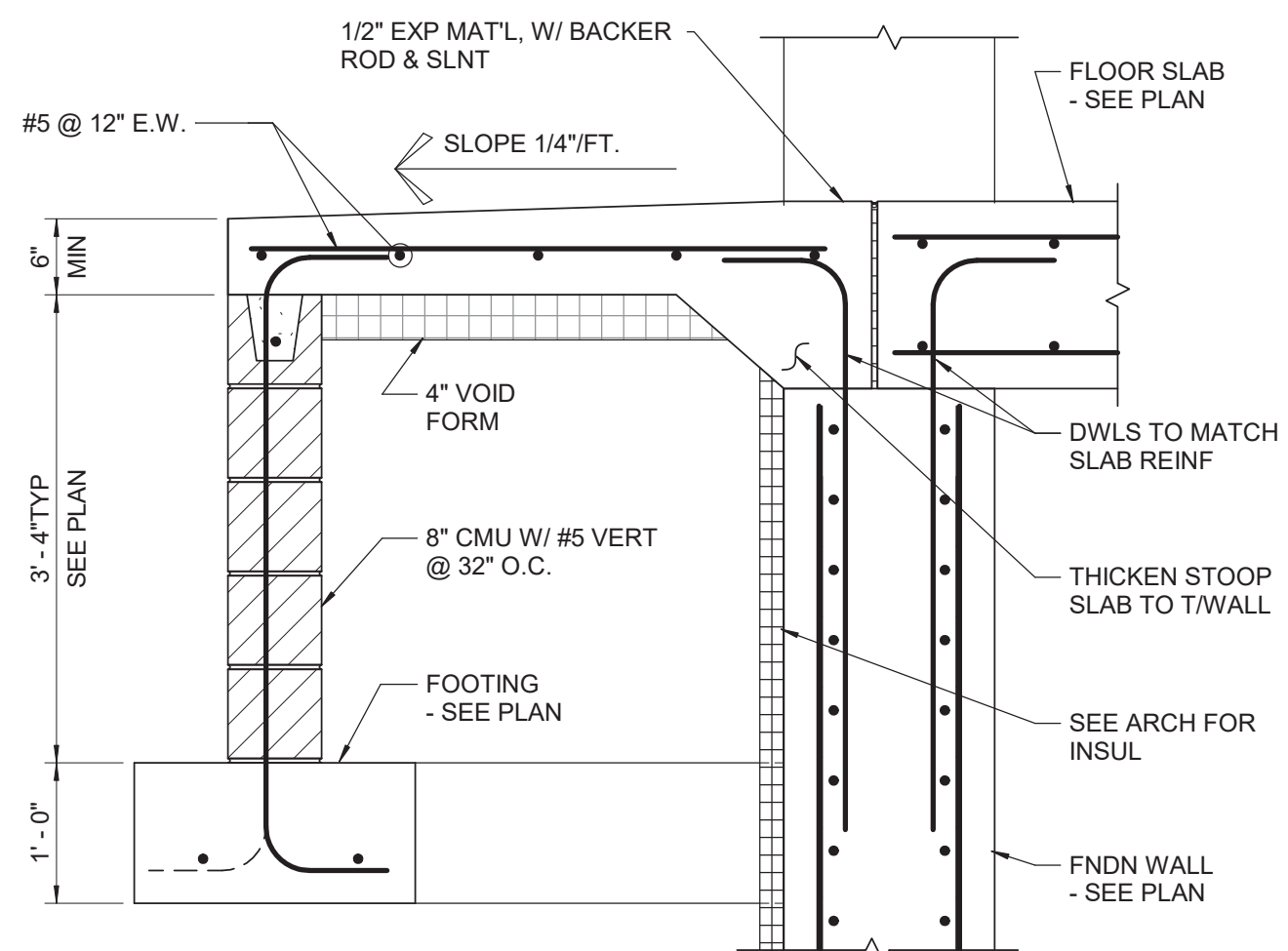
15 TRENCH DRAIN DETAIL  
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16 TRENCH DRAIN DETAIL  
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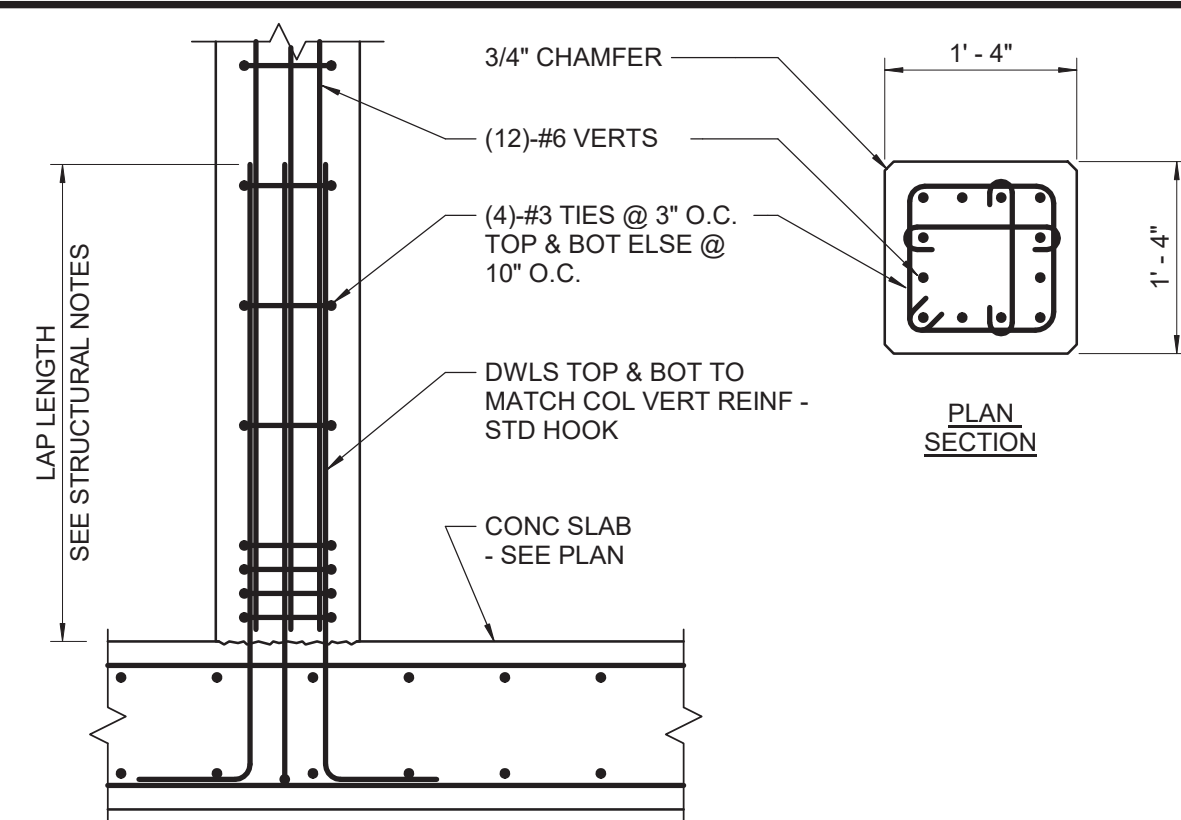


17 DRAIN TILE DETAIL  
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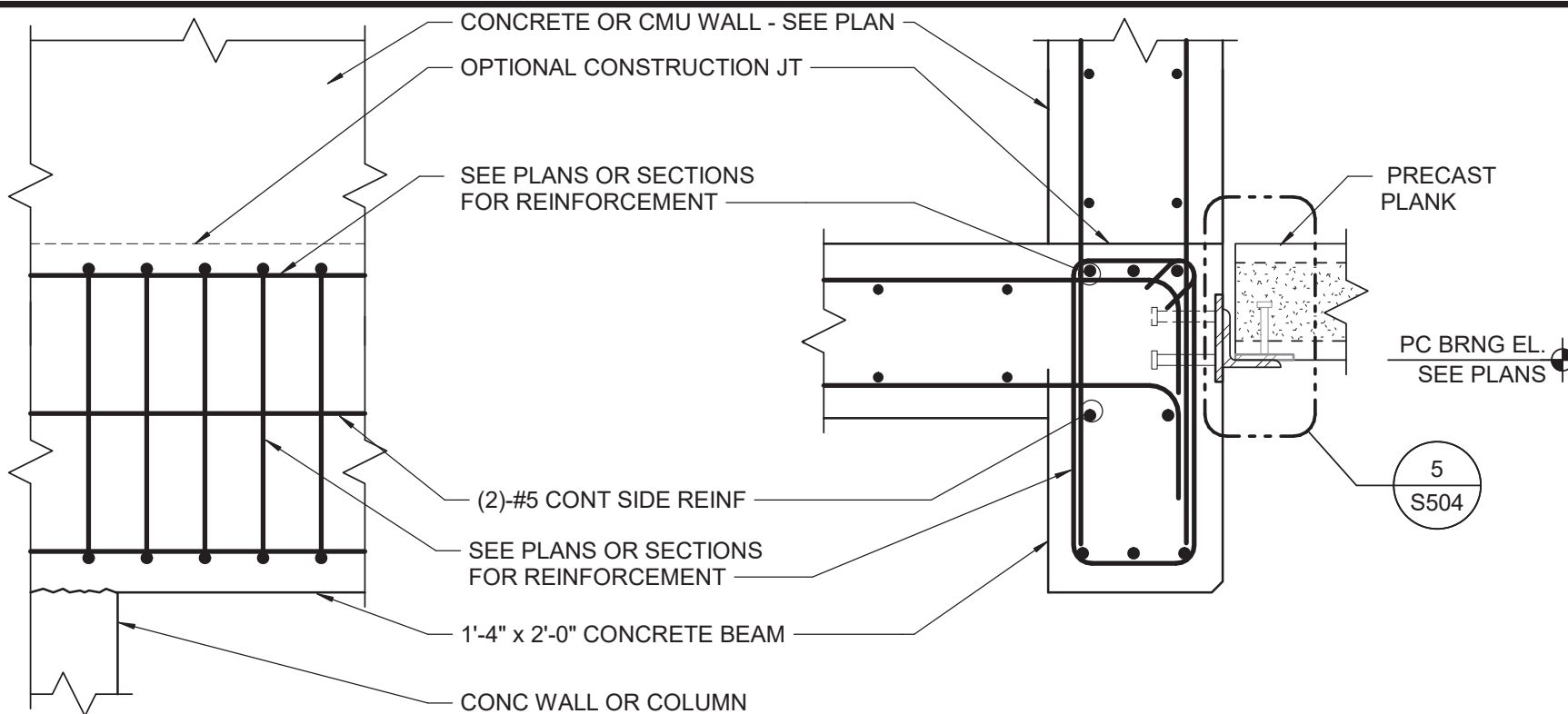


18 STOOP DETAIL  
NO SCALE

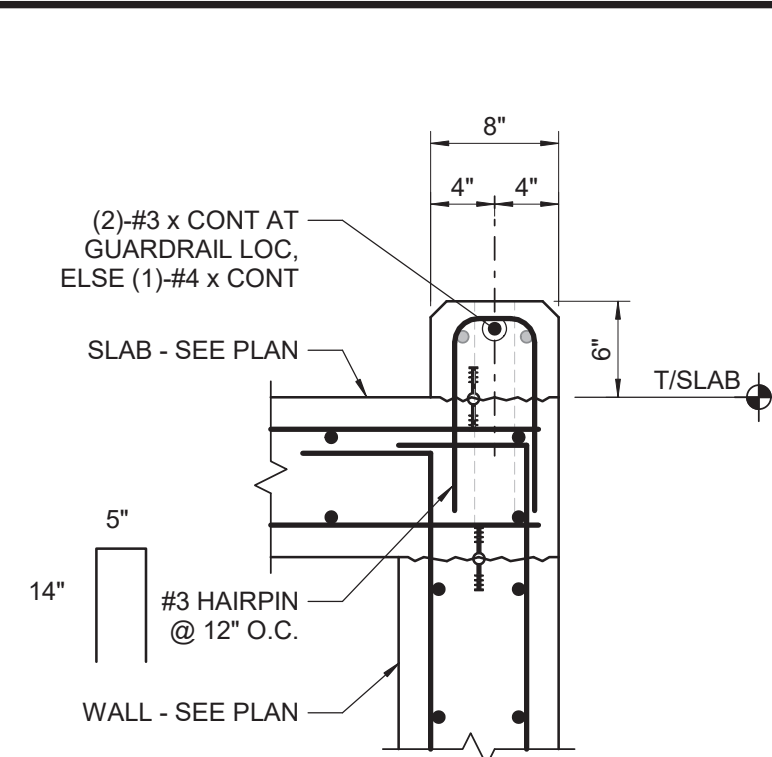




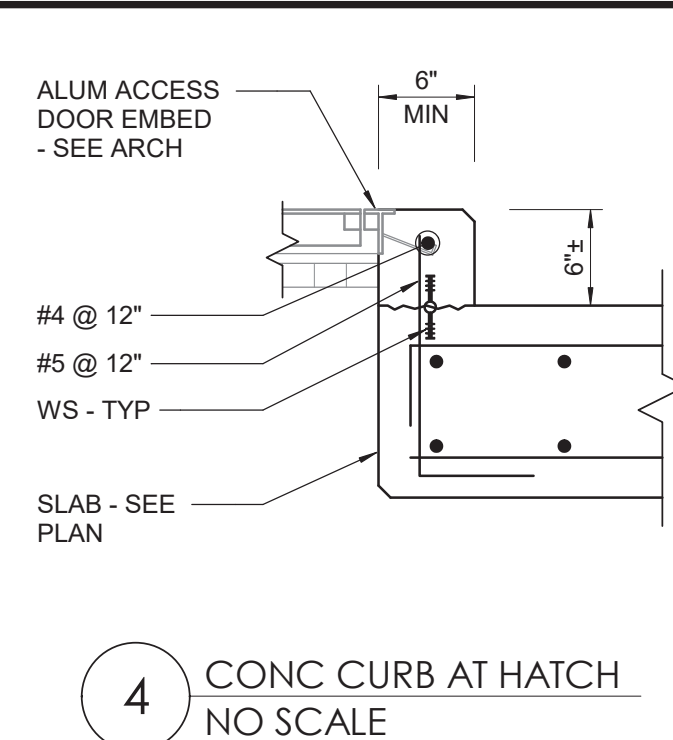
1 COLUMN DETAIL  
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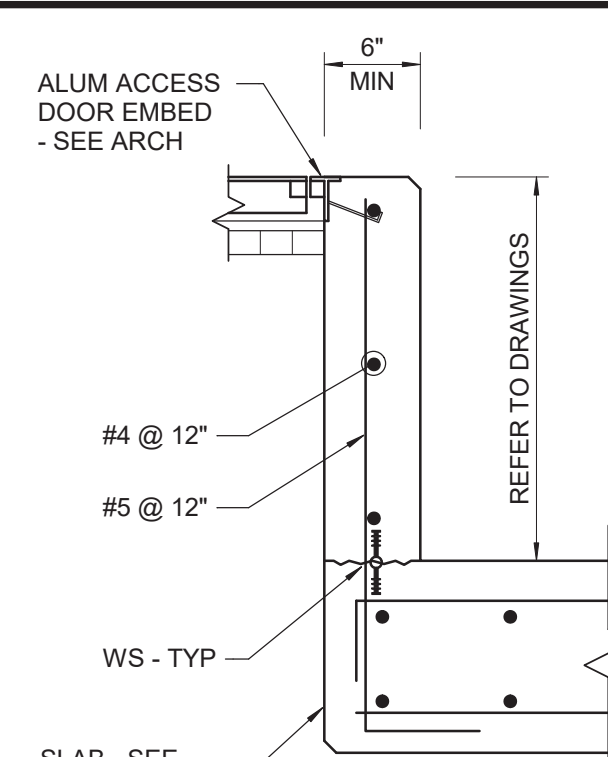
2 CONCRETE BEAM DETAIL  
NO SCALE



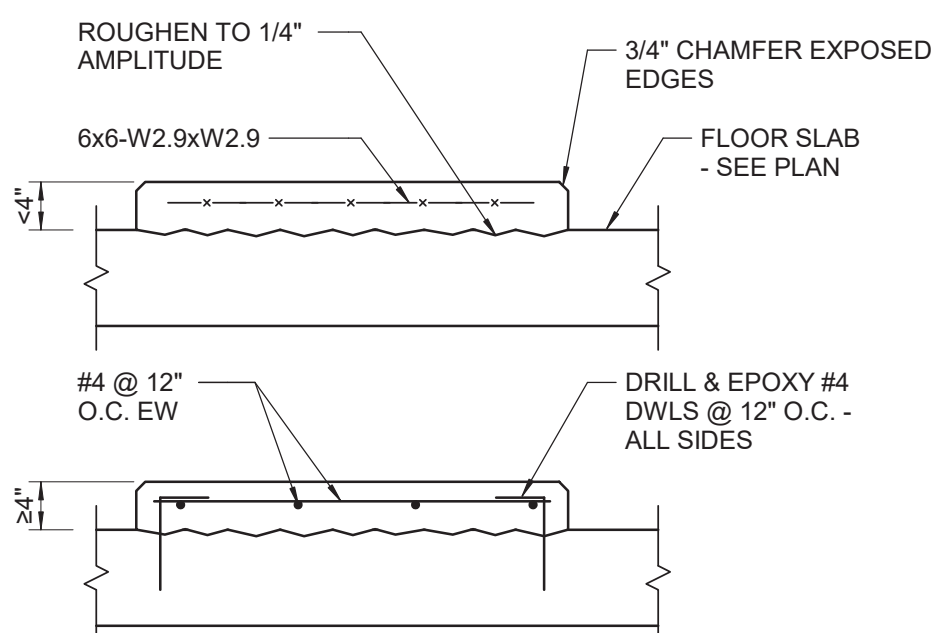
3 CURB DETAIL  
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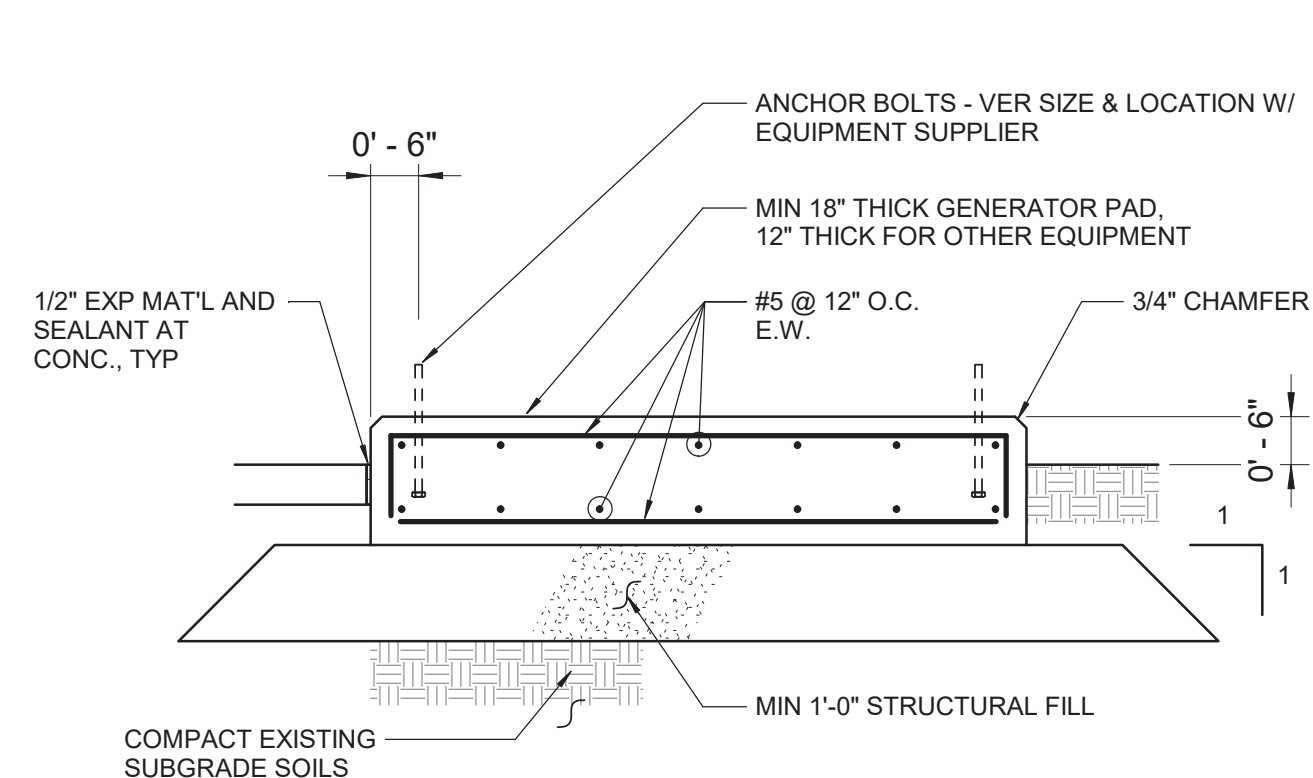
4 CONC CURB AT HATCH  
NO SCALE



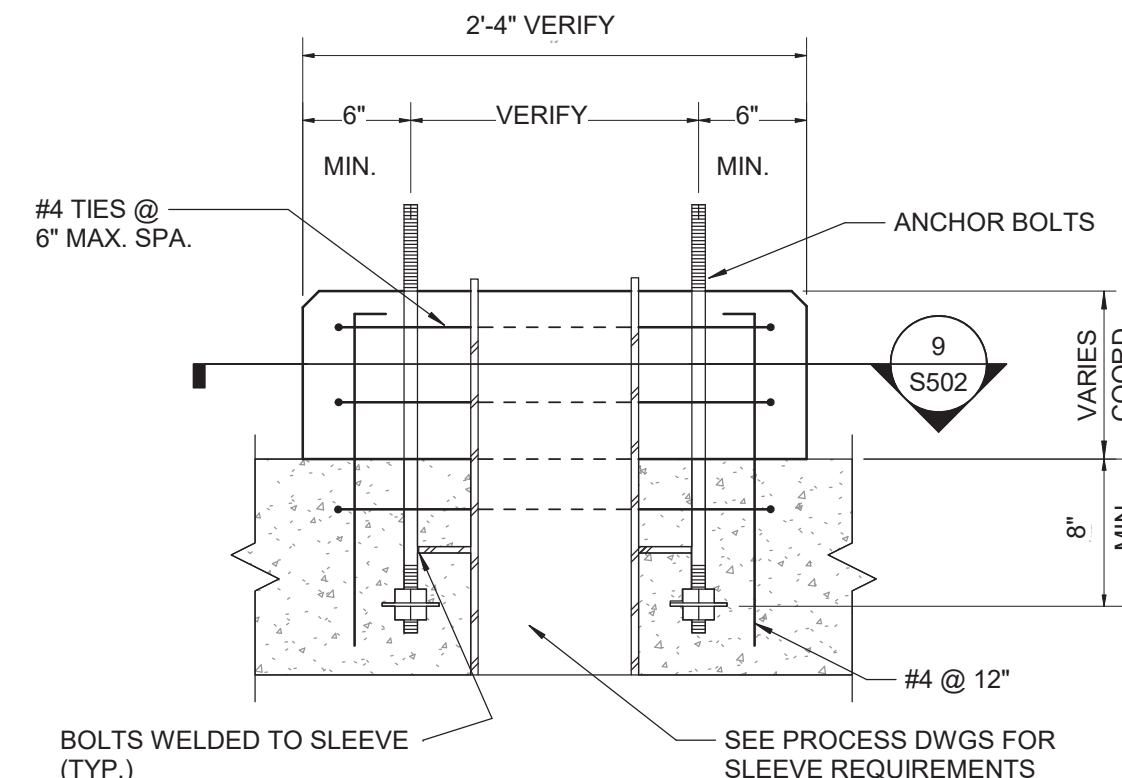
5 CONC CURB AT EXT. HATCH  
NO SCALE



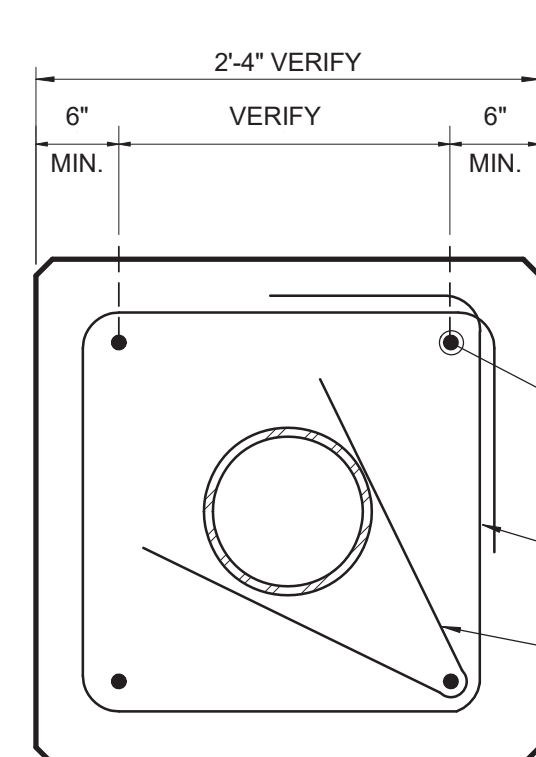
6 PAD DETAIL  
NO. SCALE



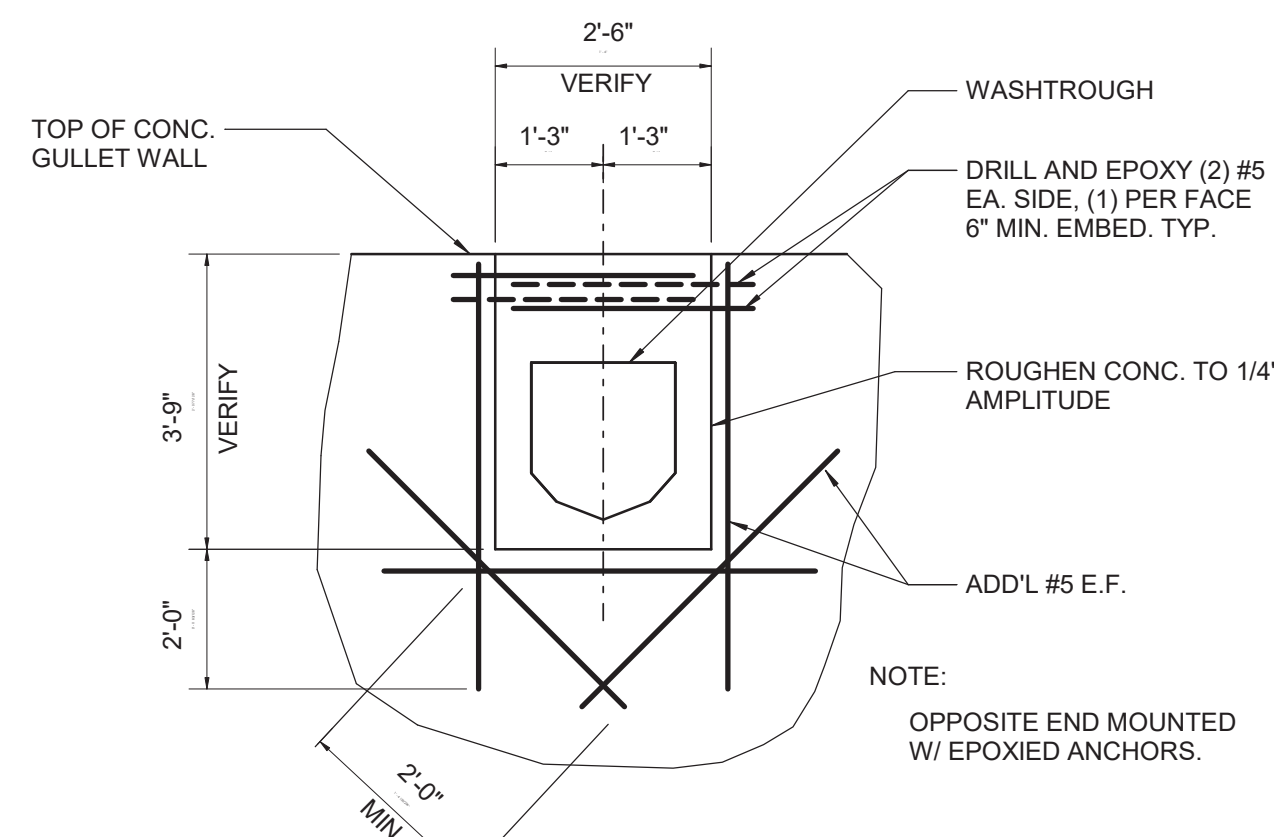
7 EXTERIOR EQUIPMENT PAD DETAIL  
NO SCALE



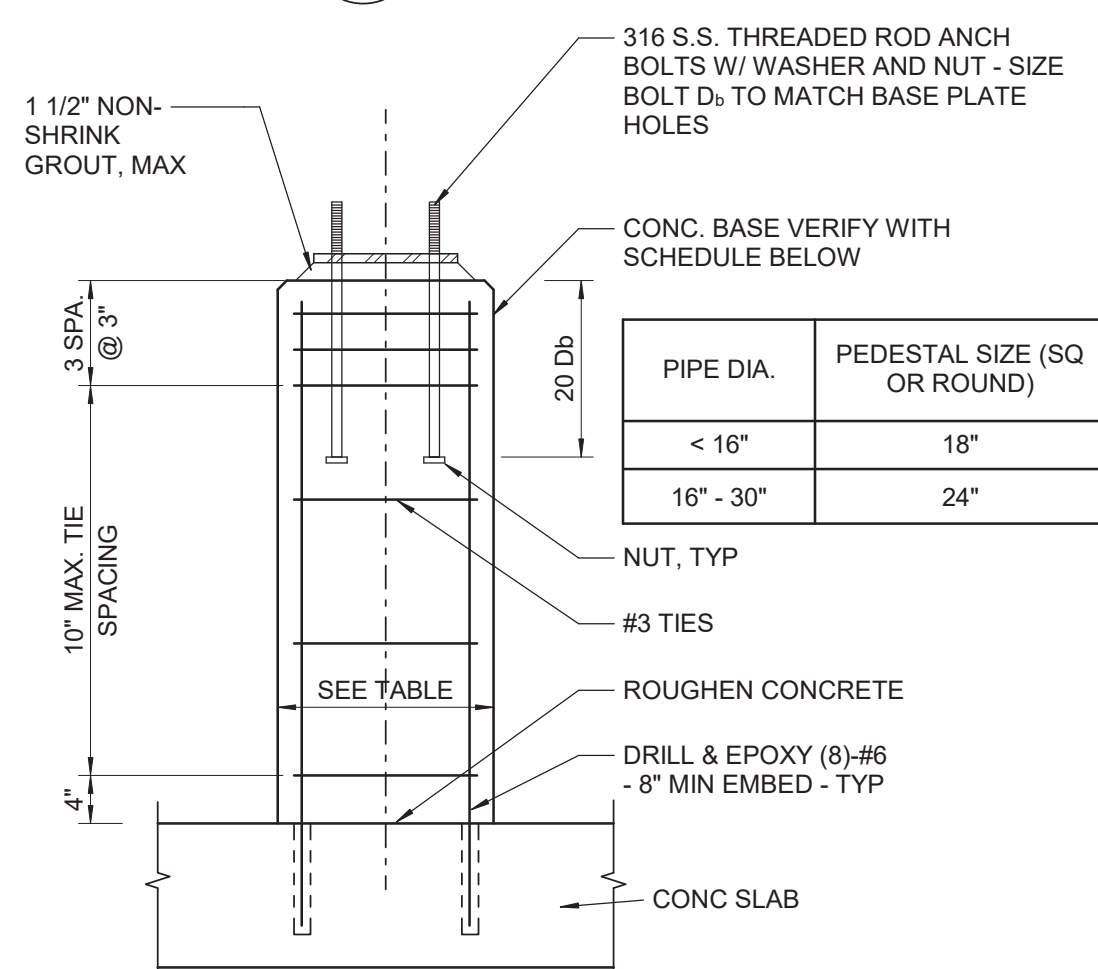
8 PUMP BASE DETAIL  
NO SCALE



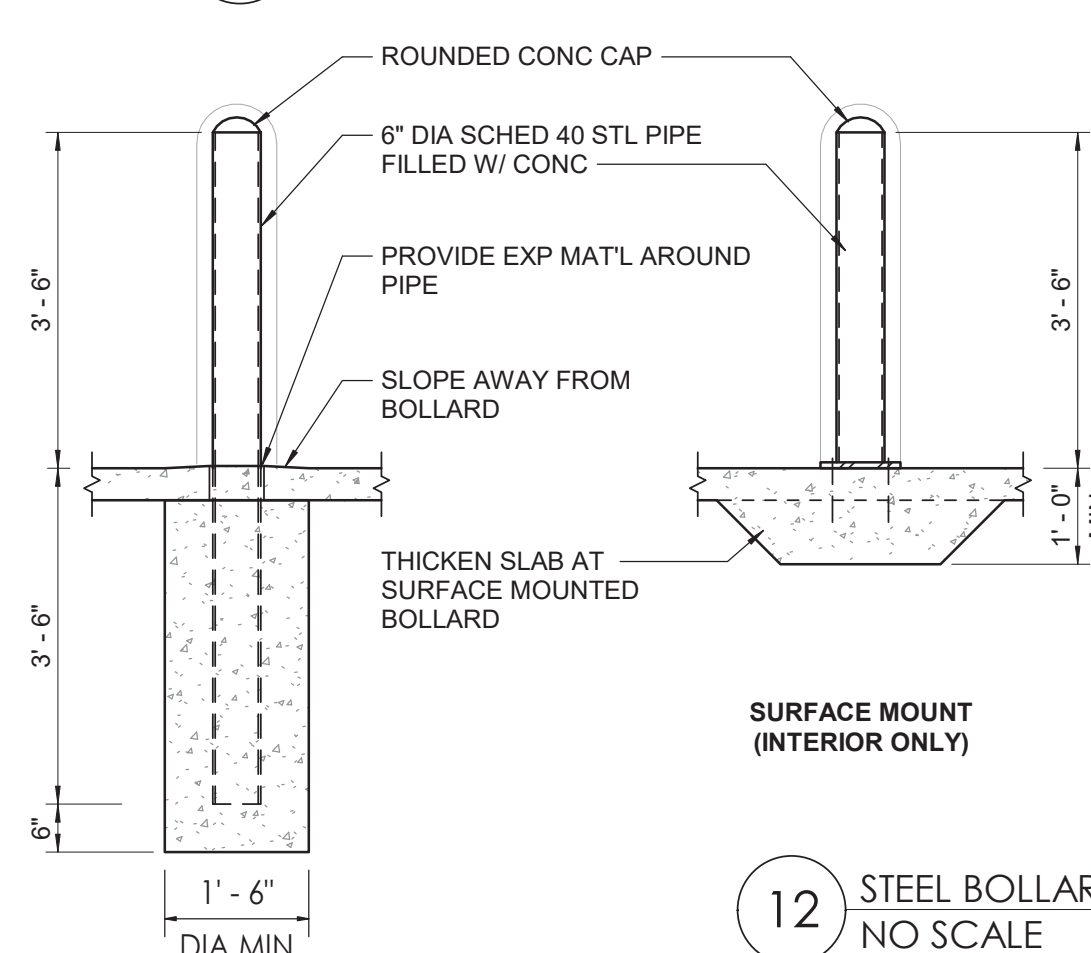
9 PUMP BASE PLAN SECTION  
NO SCALE



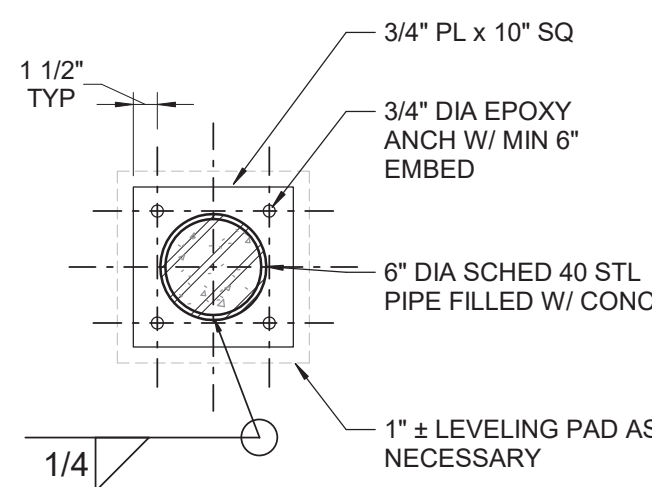
10 WASHTROUGH OPENING DETAIL  
NO SCALE



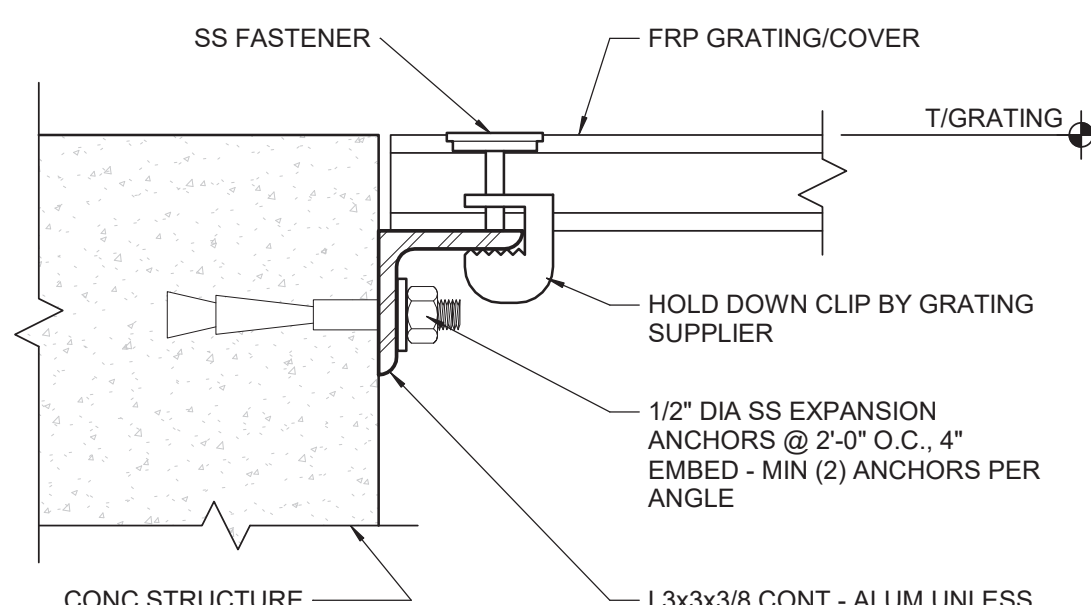
11 PIPE ELBOW SUPPORT  
NO SCALE



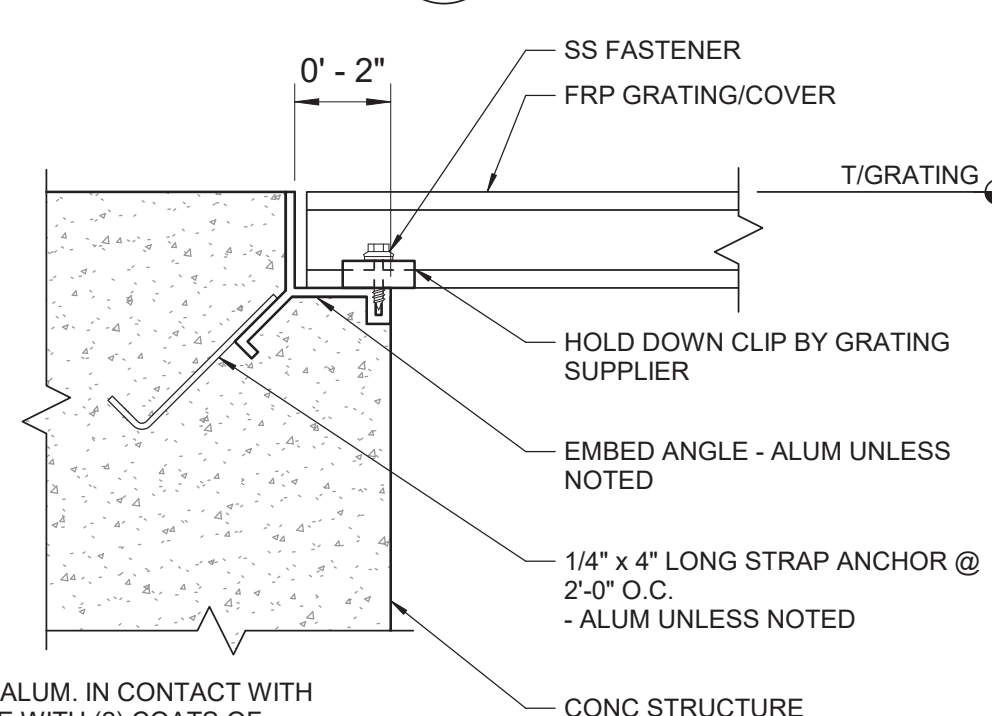
12 STEEL BOLLARD  
NO SCALE



**SURFACE MOUNT BOLLARD  
BASE PLATE**

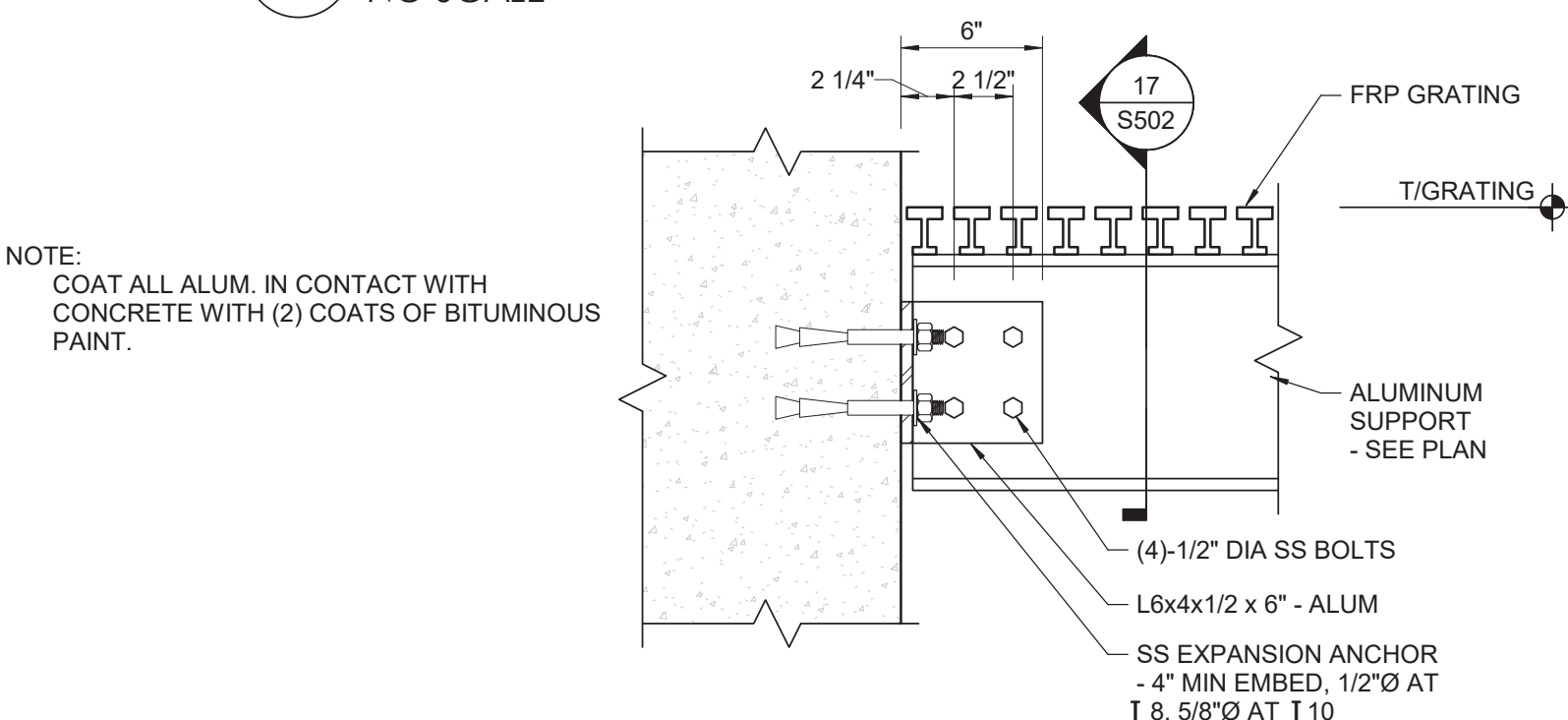


13 GRATING SUPPORT DETAIL  
NO SCALE

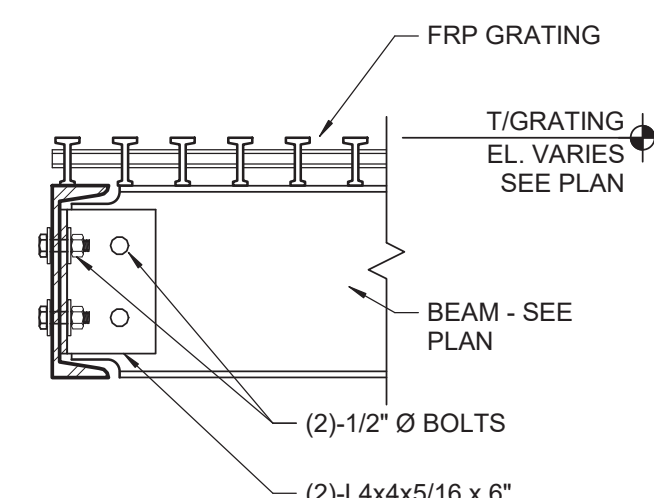


14 GRATING SUPPORT EMBED DETAIL  
NO SCALE

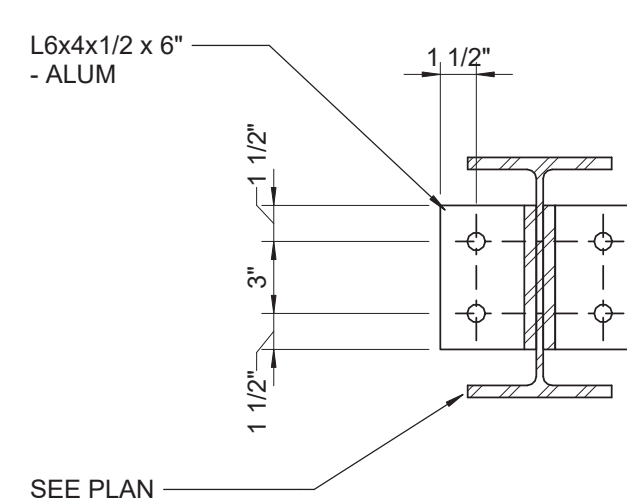
NOTE: CAST ANCHOR BOLTS INTO CONCRETE SLAB  
WHEN PEDESTAL HEIGHT IS LESS THAN 20 D<sub>b</sub>



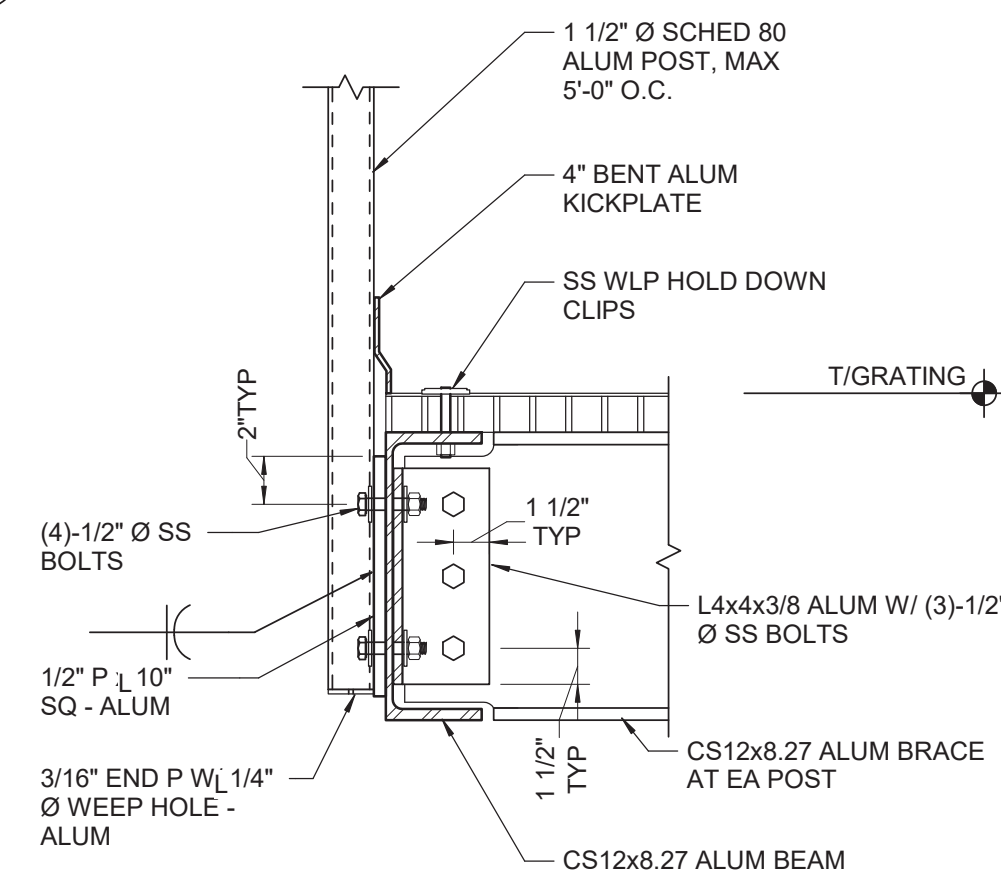
15 GRATING SUPPORT BEAM  
NO SCALE



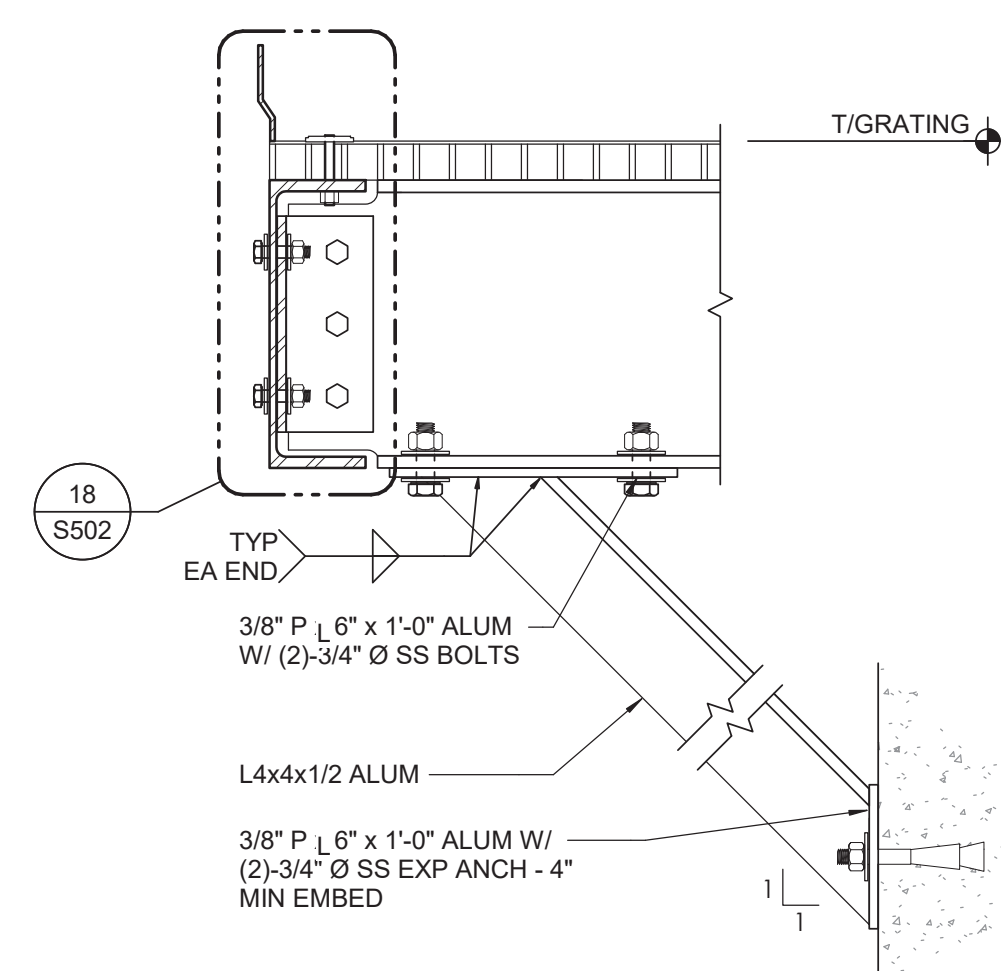
16 BEAM TO BEAM CONNECTION DETAIL  
NO SCALE



17 GRATING SUPPORT BEAM  
NO SCALE

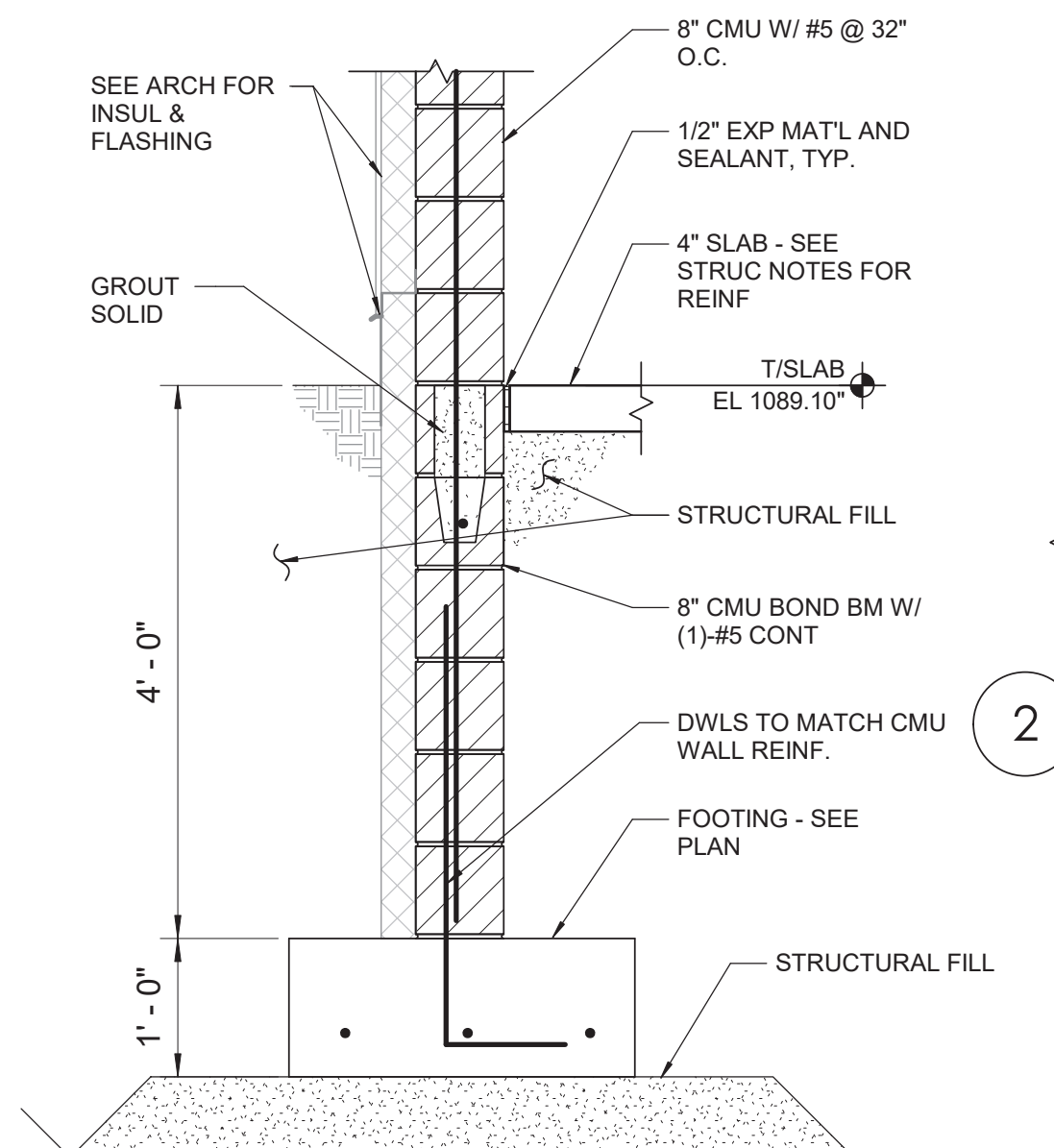


18 GUARDRAIL DETAIL  
NO SCALE

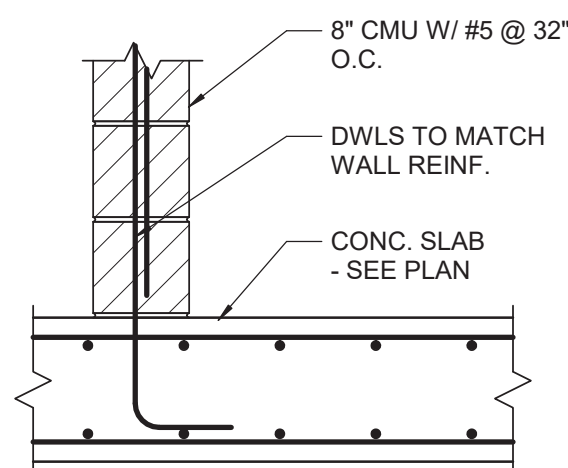


19 BRACE DETAIL  
NO SCALE

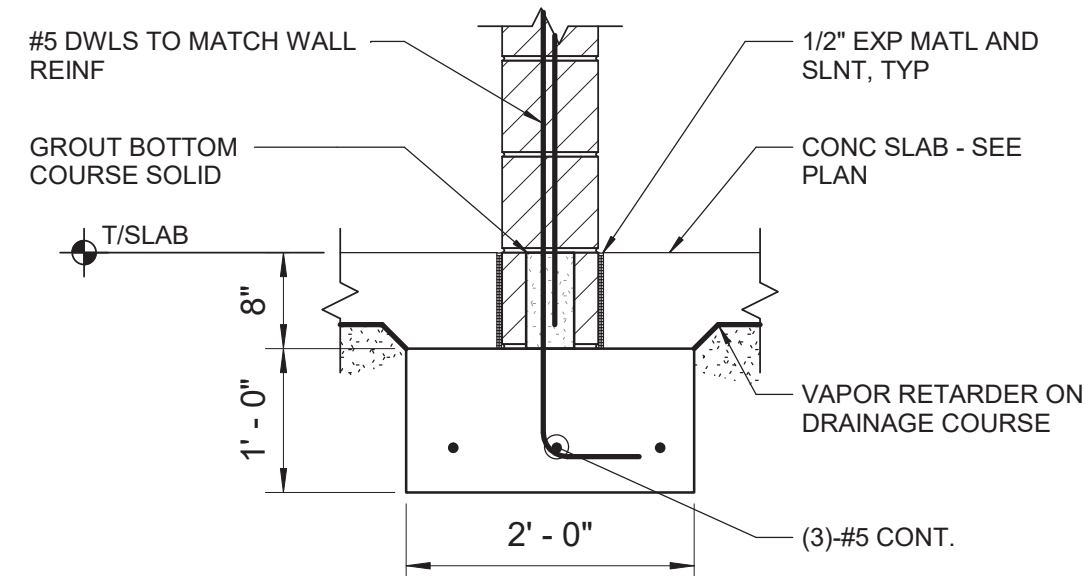




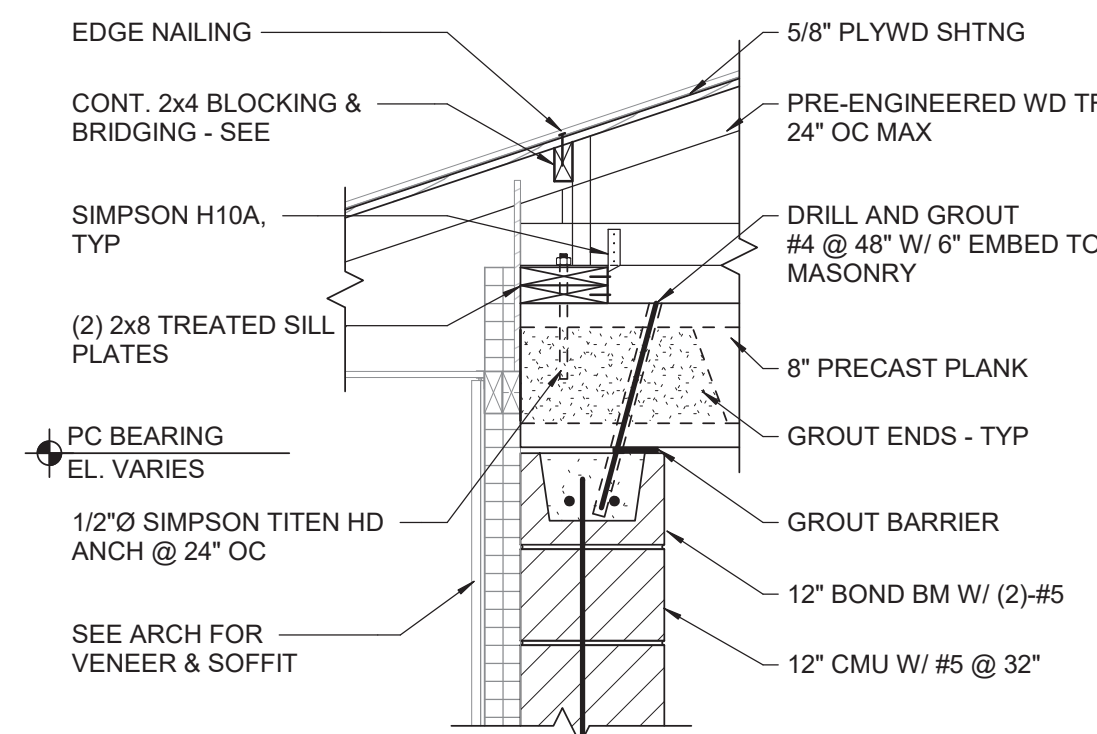
1 CMU FOUNDATION WALL DETAIL  
NO SCALE



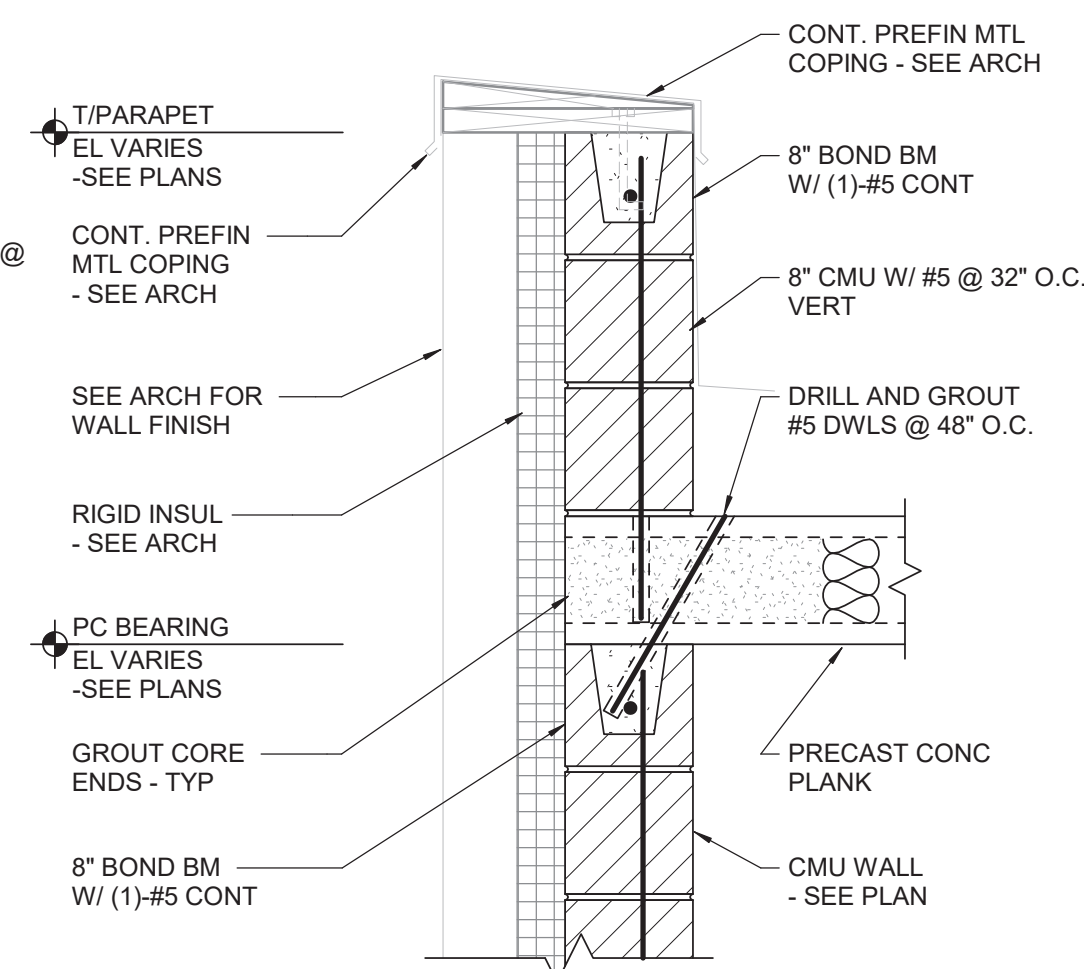
2 CMU WALL OR COLUMN DETAIL  
NO SCALE



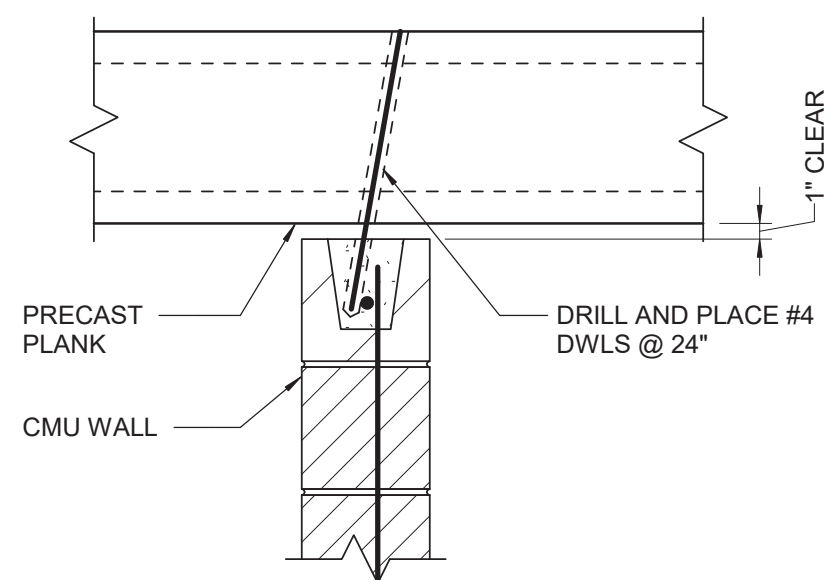
3 TYPICAL INTERIOR FOOTING DETAIL  
NO SCALE



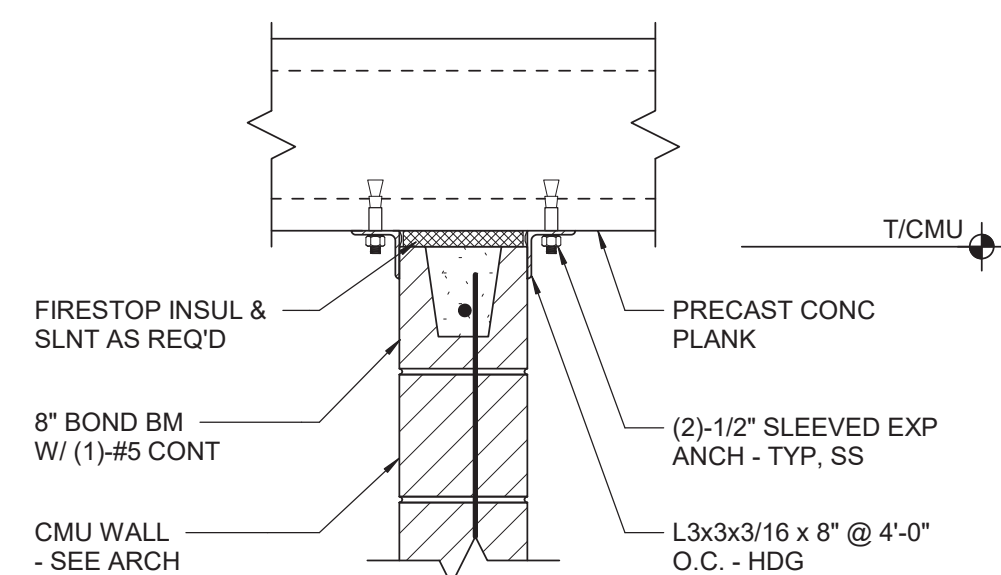
5 TRUSS BEARING AT PRECAST PLANK  
NO SCALE



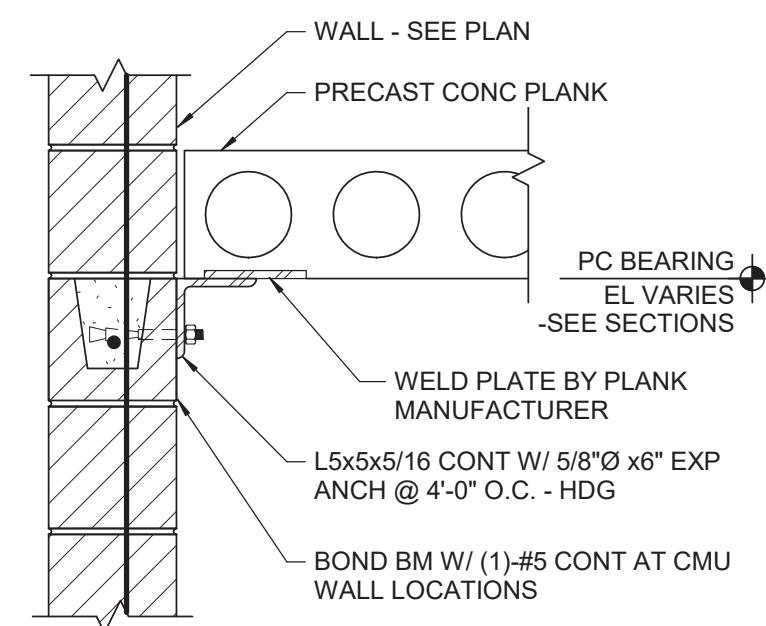
6 PARAPET DETAIL  
NO SCALE



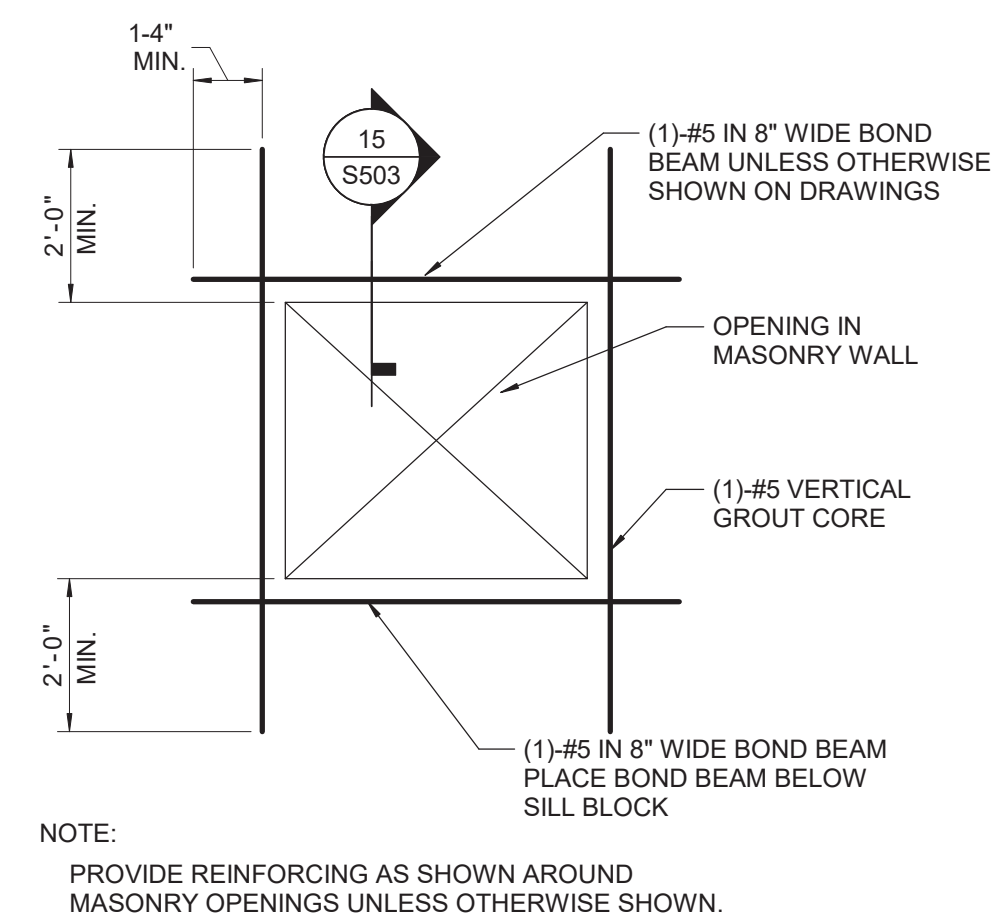
8 INTERIOR MASONRY WALL  
AT PRECAST PLANK  
NO SCALE



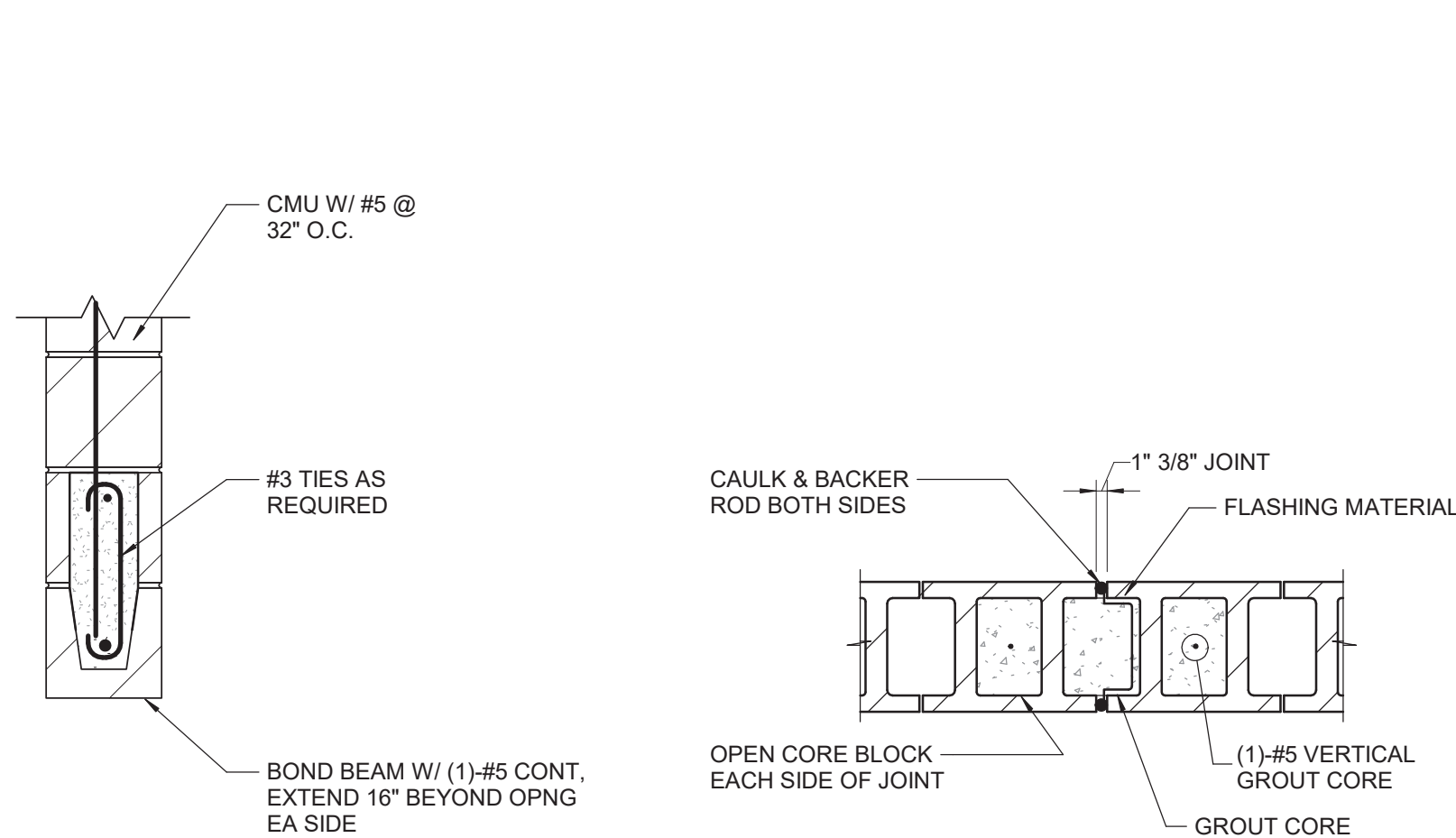
9 INTERIOR PLANK DETAIL  
NO SCALE



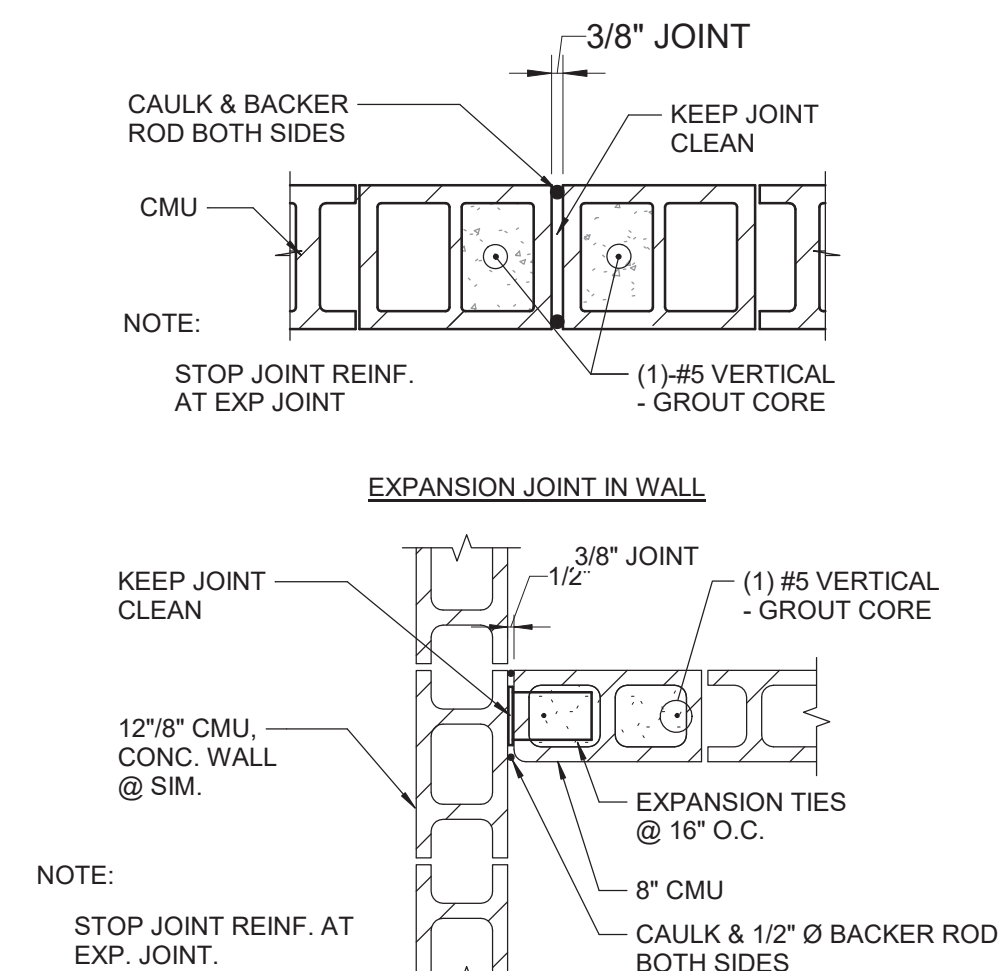
12 PRECAST NON-BEARING DETAIL  
NO SCALE



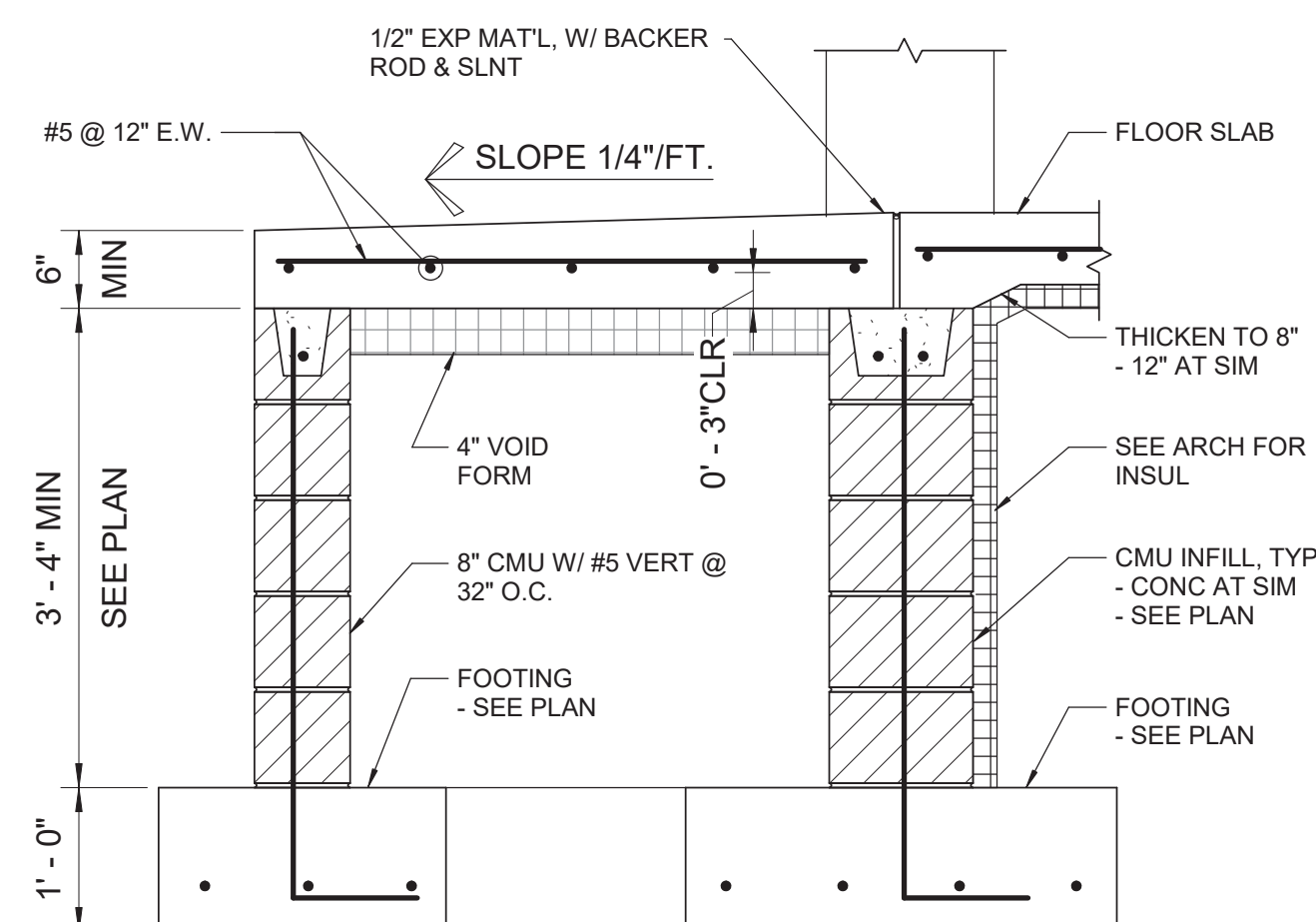
13 TYPICAL CMU OPENING DETAIL  
NO SCALE



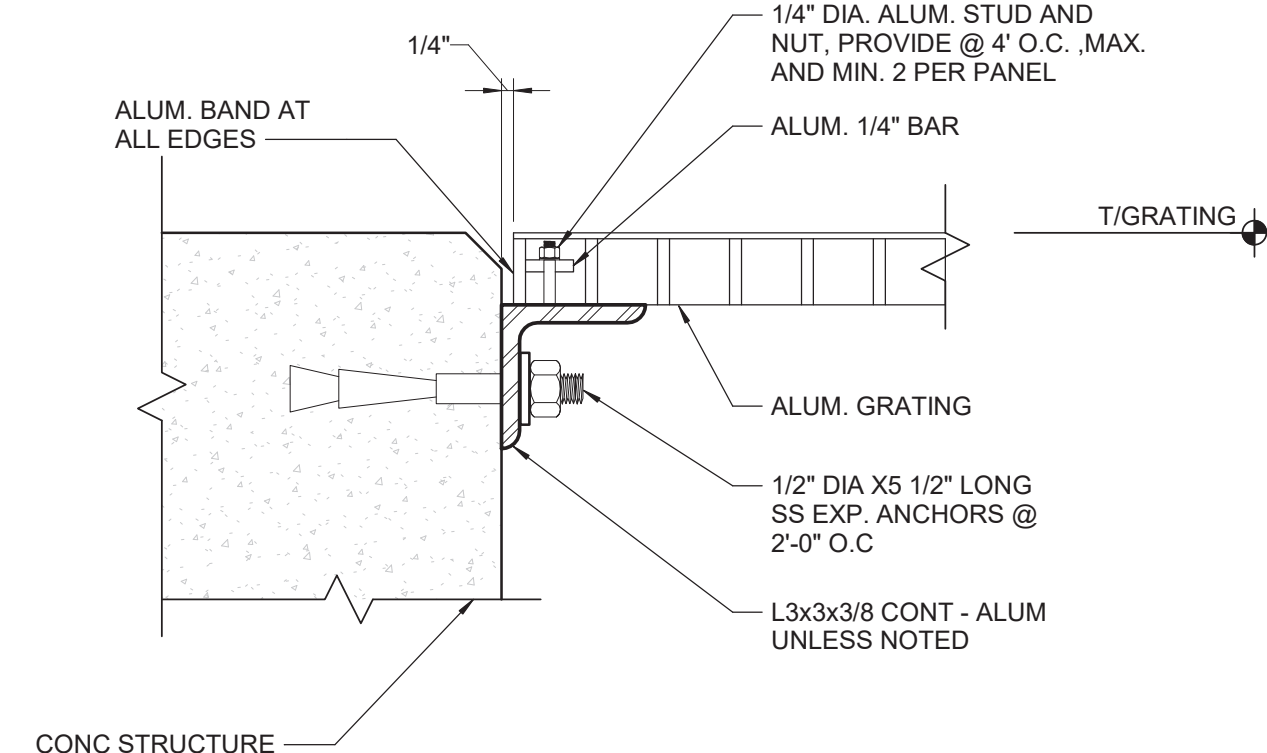
15 LINTEL DETAIL  
NO SCALE



19 CMU EXPANSION JOINTS  
NO SCALE



20 STOOP DETAIL  
NO SCALE



21 ALUMINUM GRATING DETAIL  
NO SCALE

| NO.       | REVISION  | DATE |
|-----------|-----------|------|
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|           |           |      |
| SURVEY    |           |      |
| DRAWN     | K.BAH     |      |
| DESIGNED  | BGE       |      |
| CHECKED   | BGE       |      |
| APPROVED  | BGE       |      |
| PROJ. NO. | 193805386 |      |



Plot Date: 5/8/2023 8:48:39 AM  
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SHEET NUMBER  
S504

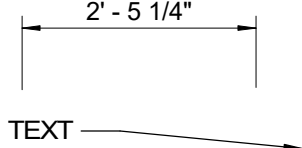


Plot Date: 5/9/2023 8:58:35 AM  
File Path: BIM 360://193805386 WTP Chaska/193805386a-md.rvt

## SYMBOLS

### INDICATIONS OF MATERIALS

COLUMN GRID LINES



The diagram illustrates four types of hatching used in architectural drawings to indicate different construction elements:

- LOUVER IDENTIFICATION:** A horizontal section view of a louver with a hatched area. The label "L##-X" is shown in a callout box.
- WINDOW IDENTIFICATION:** A horizontal section view of a window with a hatched area. The label "W##-X" is shown in a callout box.
- DOOR NUMBER:** A horizontal section view of a door with a hatched area. The label "D##-X" is shown in a callout box.
- EXISTING PLUMBING FIXTURES, CASEWORK, OR EQUIPMENT TO BE REMOVED:** A horizontal section view showing a dashed line indicating the location of existing plumbing fixtures, casework, or equipment to be removed.

ROOM IDENTIFICATION

ROOM NAME

OFFICE

ROOM NUMBER

01-126

FLOOR

BUILDING AREA IDENTIFIER (IF NEEDED)

MISCELLANEOUS IDENTIFICATION

 KEY NOTE

 REVISION  
AND CLOUD  
REVISED BY  
OR ADDENDUM

| NO.       | REVISION | DATE      |
|-----------|----------|-----------|
|           |          |           |
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|           |          |           |
|           |          |           |
| SURVEY    |          | -         |
| DRAWN     |          | RTM       |
| DESIGNED  |          | BPP/RTM   |
| CHECKED   |          | BPP       |
| APPROVED  |          | BPP       |
| PROJ. NO. |          | 193805386 |

SHEET NUMBER  
A001

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WATER TREATMENT PLANT

ARCHITECTURAL ABBREVIATIONS: INDICATION OF MATERIALS AND SYMBOLS



Plot Date: 5/9/2023 8:58:46 AM



THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS, DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. STANTEC SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED FOR REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC. IS FORBIDDEN.

Chaska North Water Treatment Plant

This building code review is based on the following Minnesota Codes and as adopted, the 2018 IBC Codes.  
2020 Minnesota Building Code  
2020 Minnesota Energy Code  
2020 Minnesota Accessibility Code  
2020 Minnesota Mechanical and Fuel Gas Code  
2020 Minnesota Plumbing Code  
2020 Minnesota Fire Code  
Minnesota Electrical Code

The City of Chaska has adopted Minnesota Rules Chapter 1306 – Special fire Protection Systems, including 1306.020 Subp. 2 1306.0030.

1306.0020 MUNICIPAL OPTION.

Subpart 1. **Requirement.** The sprinkler system requirements of this chapter, if adopted, must be adopted with the selection of either subpart 2 or 3, without amendment.

§Subp. 2. **Existing and new buildings.** Automatic sprinkler systems for new buildings, buildings increased in total floor area (including the existing building), or buildings in which the occupancy classification has changed, must be installed and maintained in operational condition within the structure. The requirements of this subpart apply to structures that fall within the occupancy classifications established in part 1306.0030, items A to D.

**Exception:** The floor area of minor additions that do not increase the occupant load does not have to be figured into the square footage for occupancy classifications established in part 1306.0030, items A to D.

Subp. 3. **New buildings.** Automatic sprinkler systems for new buildings, additions to existing buildings, or buildings in which the occupancy classification has changed must be installed and maintained in operational condition within the structure. The requirements of this subpart apply to structures that fall within the occupancy classifications established in part 1306.0030, items A to D.

**Exception:** The floor area of minor additions that do not increase the occupant load does not have to be figured into the square footage for occupancy classifications established in part 1306.0030, items A to D.

1306.0030 REQUIREMENTS.

For purposes of this chapter, area separation, fire barriers, or fire walls do not establish separate buildings. Gross square footage (GSF) means the floor area as defined in the International Building Code. The floor area requirements established in items A to D are based on the gross square footage of the entire building and establish thresholds for these requirements. The following occupancy groups must comply with sprinkler requirements of this chapter, unless specified otherwise:

A. Group A-1, A-2, A-3, and A-4 occupancies;

**Exception:** air inflated structures, and open picnic shelters.

B. Group B, F, M, and S occupancies with 2,000 or more gross square feet of floor area or with three or more stories in height;

**Exception:** S-2 open parking garages, aircraft hangars, salt storage sheds, and group "M" detached canopies.

C. Group E occupancies with 2,000 or more gross square feet of floor area or with two or more stories in height;

D. Group E day care occupancies with an occupant load of 30 or more.

I. Use and Occupancy Classification Chapter 3

A. Occupancy Classifications  
Factory Group F Section 306  
Low-Hazard Factory Industrial, Group F-2

High-Hazard Group H  
Buildings and structures containing materials that are health hazards shall be classified as Group H-4. Such materials shall include, but not be limited to the following:  
Corrosives  
Highly toxic materials  
Toxic materials

This building has four (4) rooms with chemicals that are an integral part of the water treatment process. These rooms are:  
Chemical Room 104  
Chlorine 105  
Potassium Permanganate 106  
Fluoride 107

Sodium Hypochlorite, potassium permanganate, and fluoride are considered toxic as their most stringent hazard classification. Polymer is not considered a hazardous chemical.

Per Table 307.1(2), the maximum allowable quantity per control area of a toxic material in a closed system is:  
Liquid gallons (pounds) = 500  
Gas cubic feet at NTP (pounds) = 810

Chlorine 105 – Specification Section 44 44 16 (Sodium Hypochlorite)  
Tank size specified is 1,400 gallons  
Potassium Permanganate 106 – Specification Section 44 44 54  
Total tank size specified is 1,030 gallons (two tanks at 515 gallons each)  
Fluoride 107 – Specification Section 44 44 39.10  
Tank size specified is 325 gallons  
Polymer – Specification Section 44 44 60  
This product is supplied in 5-gallon totes.

II. General Building Heights and Areas Chapter 5

A. General Height and Area Limitations Section 503

1. General Section 503.1  
The building height and area shall not exceed the limits specified in Sections 504 and 506 based on the type of construction as determined by Section 602 and the occupancies as determined by Section 302 except as modified hereafter.

B. Allowable Building Height Table 504.3  
Allowable Number of Stories Above Grade Plane Table 504.4  
Allowable Area Factor Table 506.2

1. Group F-2 Occupancy  
Type II-B Construction, sprinklered.  
Area limitation per floor = 69,000 SF.  
Height Limitation = 4 stories or 75 feet.

2. Group H-4 Occupancy  
Type II-B Construction, sprinklered.  
Area limitation per floor = 52,500 SF.  
Height Limitation = 4 stories or 75 feet.

C. Required Separation of Occupancies Table 508.4  
Group F-2/H-4 separation 3 hours

D. Actual Area  
Lower Level 6,759 GSF  
Backwash Tank 001 1,339 GSF  
Backwash Pump Room 002 368 GSF  
Pipe Gallery 003 895 GSF  
Clearwell 004 1,842 GSF  
Pump Chamber 005 551 GSF  
Storage/Pipe Access 006 1,048 GSF  
Stair 'A' 007 338 GSF  
Stair 'B' 008 374 GSF

Main Level 5,226 GSF  
Main Entry 101 263 GSF  
Office/Lab 102 169 GSF  
Restroom 103 61 GSF  
Chemical Room 104 280 GSF  
Chlorine 105 (H-4) 121 GSF  
Potassium/Permanganate 106 (H-4) 109 GSF  
Fluoride 107 (H-4) 86 GSF  
Electrical 108 284 GSF  
Stair 'A' 109 190 GSF  
Pump Room 110 424 GSF  
Detention Tank 111 459 GSF  
Pipe Gallery 112 1,138 GSF  
Filter 1 113 272 GSF  
Filter 2 114 272 GSF  
Filter 3 115 272 GSF  
Filter 4 116 276 GSF  
Stair 'B' 117 317 GSF  
Well 7 Pump Room 118 233 GSF

Second Level 3,900 GSF  
Detention Tank 111 455 GSF  
Detention Channel 343 GSF  
Filter 1 113 267 GSF  
Filter 2 114 267 GSF  
Filter 3 115 267 GSF  
Filter 4 116 270 GSF  
Stair 'A' 201 348 GSF  
Blower/Mechanical 202 603 GSF  
Filter Access Hallway 203 474 GSF  
Gullet 204 291 GSF  
Stair 'B' 205 314 GSF

Third Level 933 GSF  
Aerator Room 301 788 GSF  
Stair 'A' 145 GSF  
Total Building Area 16,657 GSF

III. Types of Construction Chapter 6

A. Construction Classification Section 602

1. Type II Section 602.2  
Types I and II construction are those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code.

B. Fire-Resistive Rating Requirements for Building Elements Table 601  
Construction Type II-B  
Structural Frame 0 Hours  
Exterior Bearing Walls 0 Hours  
Interior Bearing Walls 0 Hours  
Floor Construction 0 Hours  
Roof Construction 0 Hours

C. Fire-Resistive Rating Requirements for Exterior Walls Based on Fire Separation Distance Table 602  
Exterior walls less than 30 feet from a property line shall be of one-hour fire-rated construction.

IV. Fire Protection and Life Safety Systems Chapter 9

A. Automatic Sprinkler Systems Section 903

1. General  
The City of Chaska has adopted MN Rules Chapter 1306 which requires all new construction to have an approved automatic sprinkler system throughout the building.

B. Portable Fire Extinguishers Section 906

1. General Section 906.1  
Portable fire extinguishers shall be provided in occupancies and locations as required by the Minnesota State Fire Code.

C. Fire Alarm and Detection Systems Section 907

1. General Section 907.1  
This section covers the application, installation, performance and maintenance of fire alarm systems and their components.

a. Construction Documents Section 907.1.1  
Construction documents for fire alarm systems shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform with the provisions on this code, the International Fire Code, and relevant laws, ordinances, rules and regulations, as determined by the fire code official.

b. Equipment Section 907.1.3  
Systems and components shall be listed and approved for the purpose for which they are installed.

2. Where Required Section 907.2  
An approved manual, automatic, or manual and automatic fire alarm system shall be provided in new buildings and occupancies in accordance with Section 907.2.1 through Section 907.2.24 and NFPA 72.

a. Group F  
Section 907.2.4 does not require Group F occupancies to have a fire alarm or detection system based on the building size and occupant load.

V. Means of Egress Chapter 10

A. General Means of Egress Section 1003

1. Applicability Section 1003.1  
The general requirements specified in Sections 1003 through 1015 shall apply to all three elements of the means of egress system, in addition to those specific requirements for the exit access, the exit, and exit discharge detailed elsewhere in this chapter.

2. Ceiling Height Section 1003.2  
The means of egress system shall have a ceiling height of not less than 7 feet 6 inches.

EXCEPTIONS:

1. Door height in accordance with Section 1010.1.1.

3. Design Occupant Load Section 1004.1  
In determining means of egress requirements, the number of occupants for whom means of egress facilities shall be provided shall be determined in accordance with this section.

4. Maximum Floor Area Allowance per Occupant Table 1004.5  
a. Accessory storage areas, mechanical equipment room 300 SF gross  
b. Industrial areas 100 SF gross  
c. Business areas 150 SF gross

5. Building Occupant Load Calculation  
a. Total Building Area = 16,657 GSF

Lower Level 6,759 GSF  
Backwash Tank 001 1,339 GSF  
Backwash Pump Room 002 368 GSF  
Pipe Gallery 003 895 GSF  
Clearwell 004 1,842 GSF  
Pump Chamber 005 551 GSF  
Storage/Pipe Access 006 1,048 GSF  
Stair 'A' 007 338 GSF  
Stair 'B' 008 374 GSF

Main Level 5,226 GSF  
Main Entry 101 263 GSF  
Office/Lab 102 169 GSF  
Restroom 103 61 GSF  
Chemical Room 104 280 GSF  
Chlorine 105 (H-4) 121 GSF  
Potassium/Permanganate 106 (H-4) 109 GSF  
Fluoride 107 (H-4) 86 GSF  
Electrical 108 284 GSF  
Stair 'A' 109 190 GSF  
Pump Room 110 424 GSF  
Detention Tank 111 459 GSF  
Pipe Gallery 112 1,138 GSF  
Filter 1 113 272 GSF  
Filter 2 114 272 GSF  
Filter 3 115 272 GSF  
Filter 4 116 276 GSF  
Stair 'B' 117 317 GSF  
Well 7 Pump Room 118 233 GSF

Second Level 3,900 GSF  
Detention Tank 111 455 GSF  
Detention Channel 343 GSF  
Filter 1 113 267 GSF  
Filter 2 114 267 GSF  
Filter 3 115 267 GSF  
Filter 4 116 270 GSF  
Stair 'A' 201 348 GSF  
Blower/Mechanical 202 603 GSF  
Filter Access Hallway 203 474 GSF  
Gullet 204 291 GSF  
Stair 'B' 205 314 GSF

Third Level 933 GSF  
Aerator Room 301 788 GSF  
Stair 'A' 145 GSF

TOTAL BUILDING OCCUPANT LOAD 34 OCCUPANTS

B. Accessible Means of Egress Section 1009

1. Accessible means of egress required, Section 1009.1  
Accessible means of egress shall comply with this section. Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress is required by Section 1006.2 or 1006.3 from any accessible space, each accessible portion of the space shall be served by not less than two accessible means of egress.

C. Doors Section 1010.1

1. Size of Doors Section 1010.1.1  
The required capacity of each door opening shall be sufficient for the occupant load thereof and shall provide a minimum clear opening width of 32 inches. The clear opening width of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees.

The maximum width of a swinging door leaf shall be 48 inches nominal. The minimum clear opening height shall be not less than 80 inches.

NOTE: All swinging service doors will be 3'-0" wide by 7'-0" high minimum.

D. Guards Section 1015

1. Roof Access Section 1015.7

Guards shall be provided where the roof hatch opening is located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof or grade below. The guard shall be constructed so as to prevent the passage of a sphere 21 inches (533 mm) in diameter.

D. Installation 2020 Minnesota Mechanical Code, Section 304

1. Guards Section 304.1.1

Guards shall be provided where various components that require service and roof hatch openings are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below. The guard shall extend not less than 30 inches (762 mm) beyond each end of components that require service. The top of the guard shall be located not less than 42 inches (1067 mm) above the elevated surface adjacent to the guard. The guard shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the International Building Code.

VI. Plumbing Chapter 29

A. Minimum Plumbing Facilities Section 2902

1. Minimum Number of Fixtures. Table 2902.1  
Plumbing fixtures shall be provided for the type of occupancy and in the minimum number shown in Table 2902.1.

Plumbing fixtures shown are based on a Factory Industrial Group F-2 occupancy.  
Unisex: 1 WC, 1 Lavatory 100 occupants  
Mop sink 1  
Drinking Fountain 0  
Total occupant coverage: 100 occupants



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

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA  
PRINT NAME: BRUCE P. PAULSON  
SIGNATURE: Bruce P. Paulson  
DATE: MAY 9, 2023 LIC. NO. 29210

CITY OF CHASKA, MN  
CHASKA NORTH WATER TREATMENT PLANT  
BUILDING CODE REVIEW

NO REVISION DATE

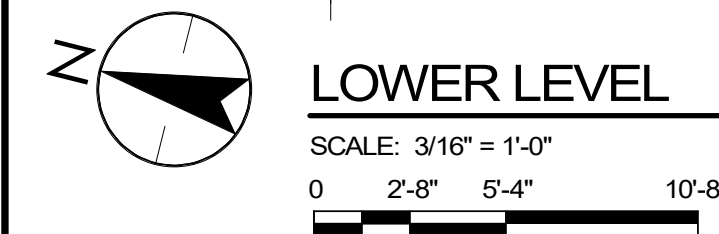
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SHEET NUMBER

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 UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: BRUCE P. PAULSON

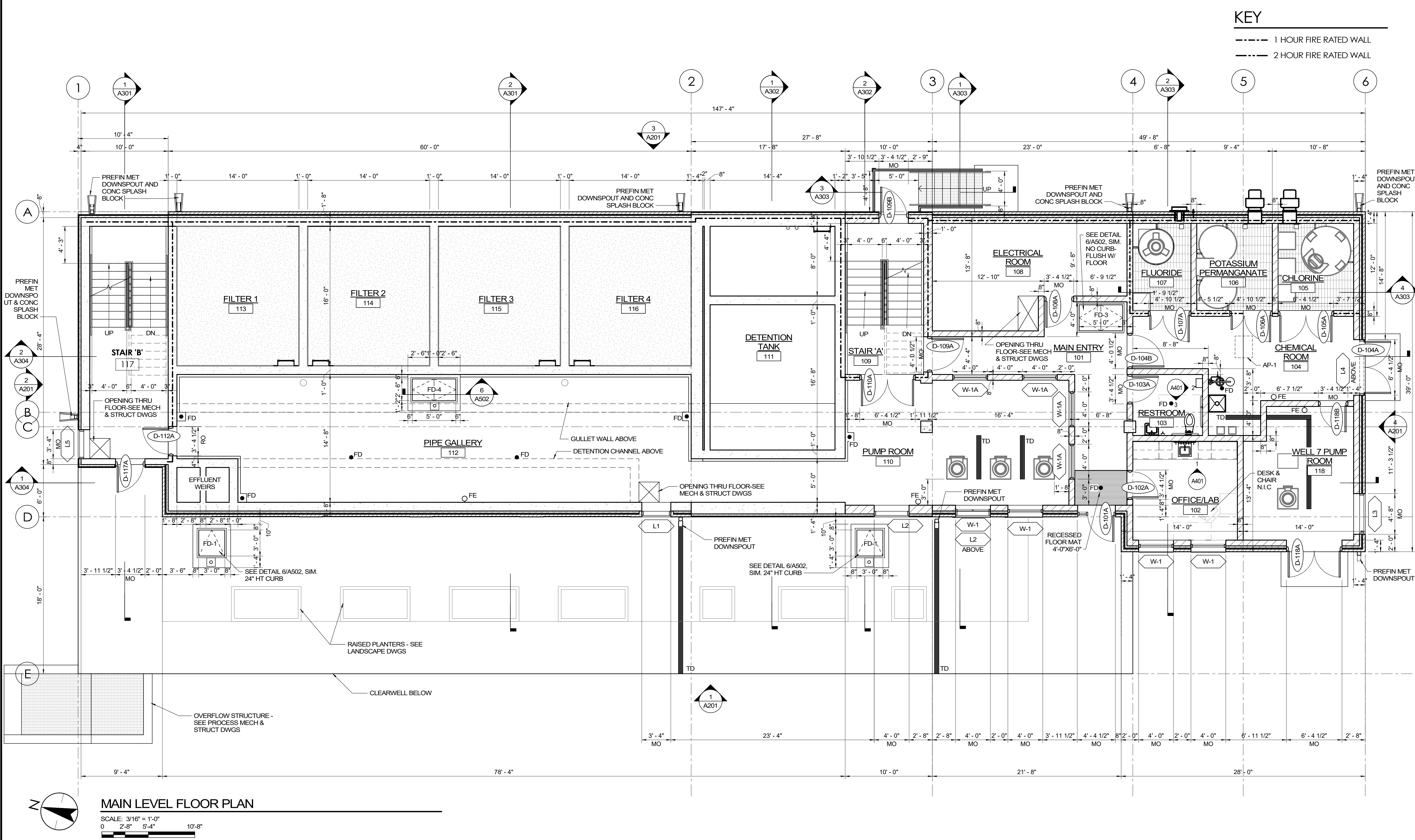
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DATE: 05/09/2023 LC NO. 20910

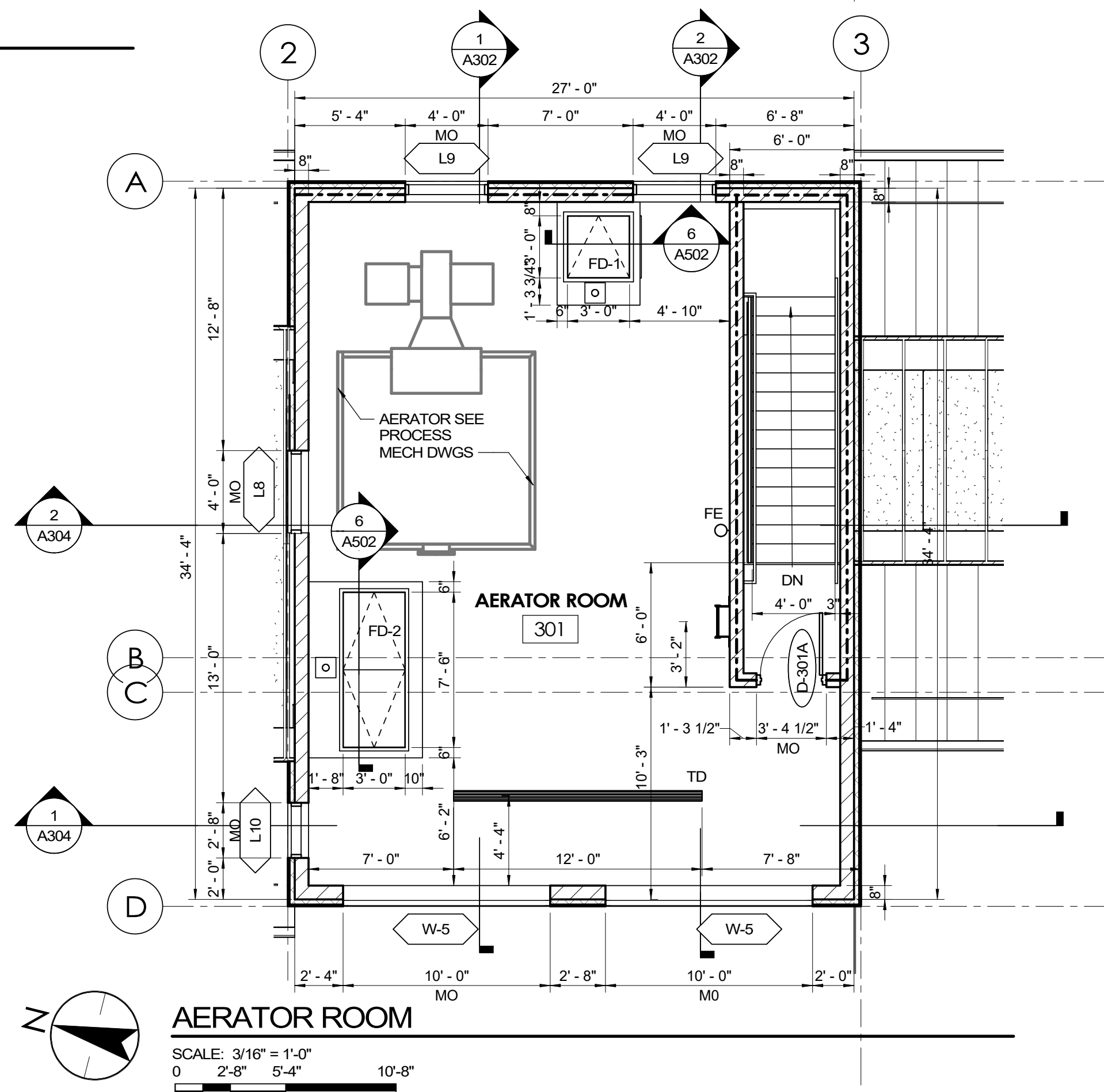
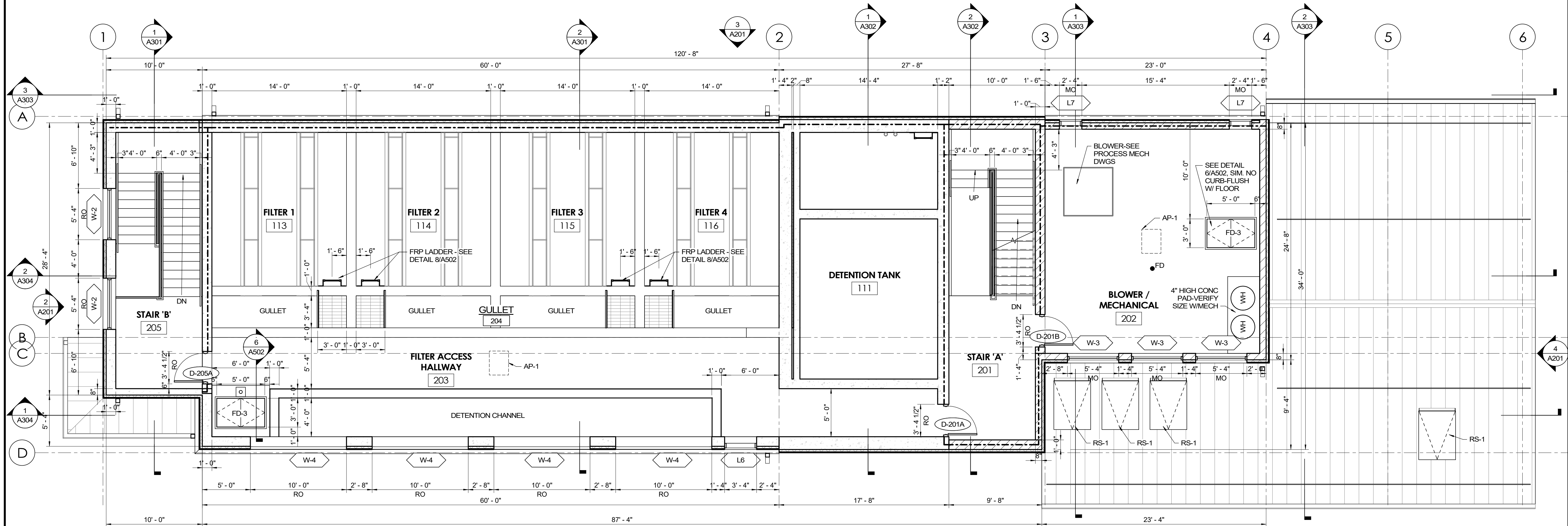
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
LOWER LEVEL PLAN

| NO.                 | REVISION  | DATE |
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| SURVEY              | -         |      |
| DRAWN               | RTM       |      |
| DESIGNED            | BPP/RTM   |      |
| CHECKED             | BPP       |      |
| APPROVED            | BPP       |      |
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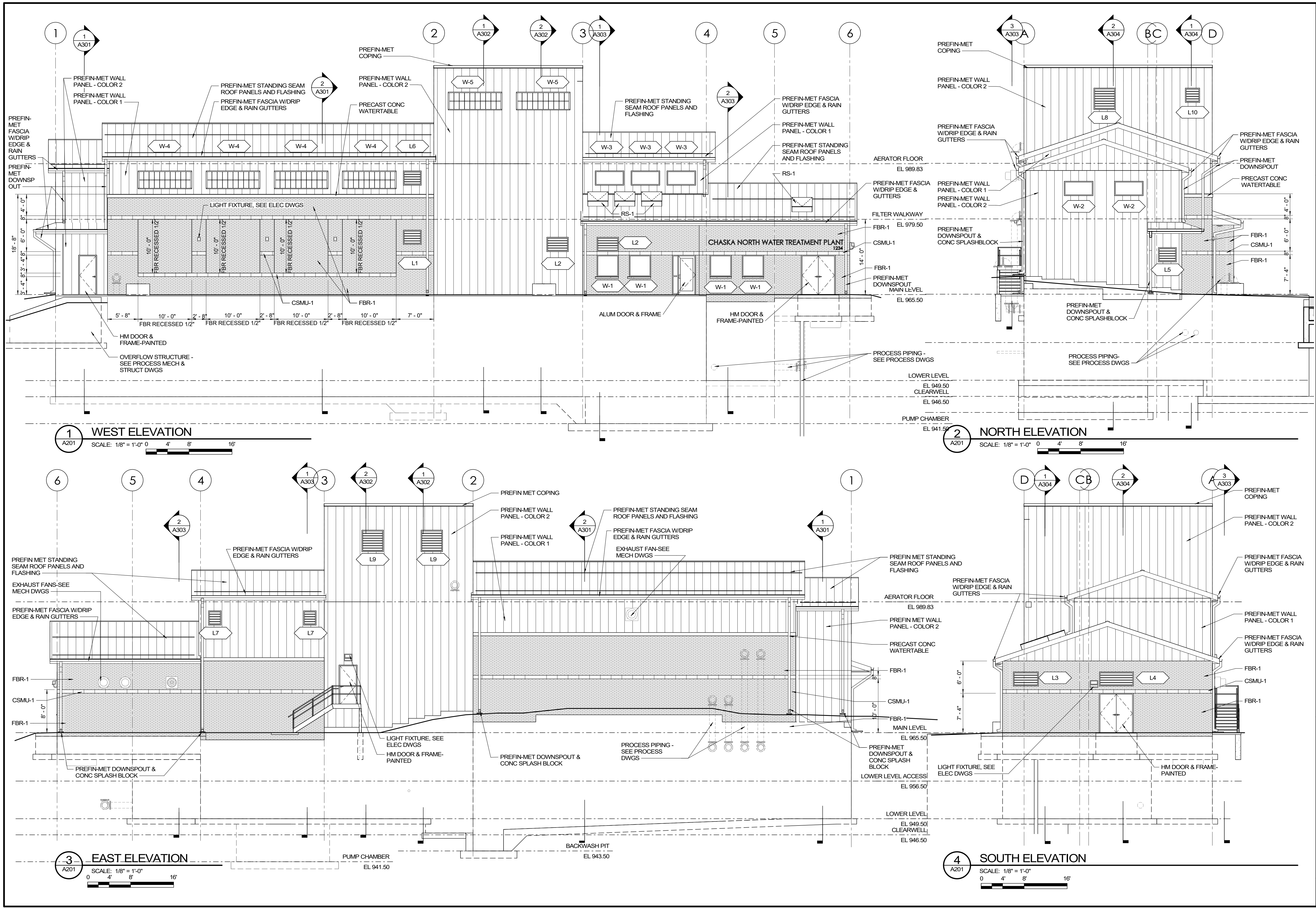




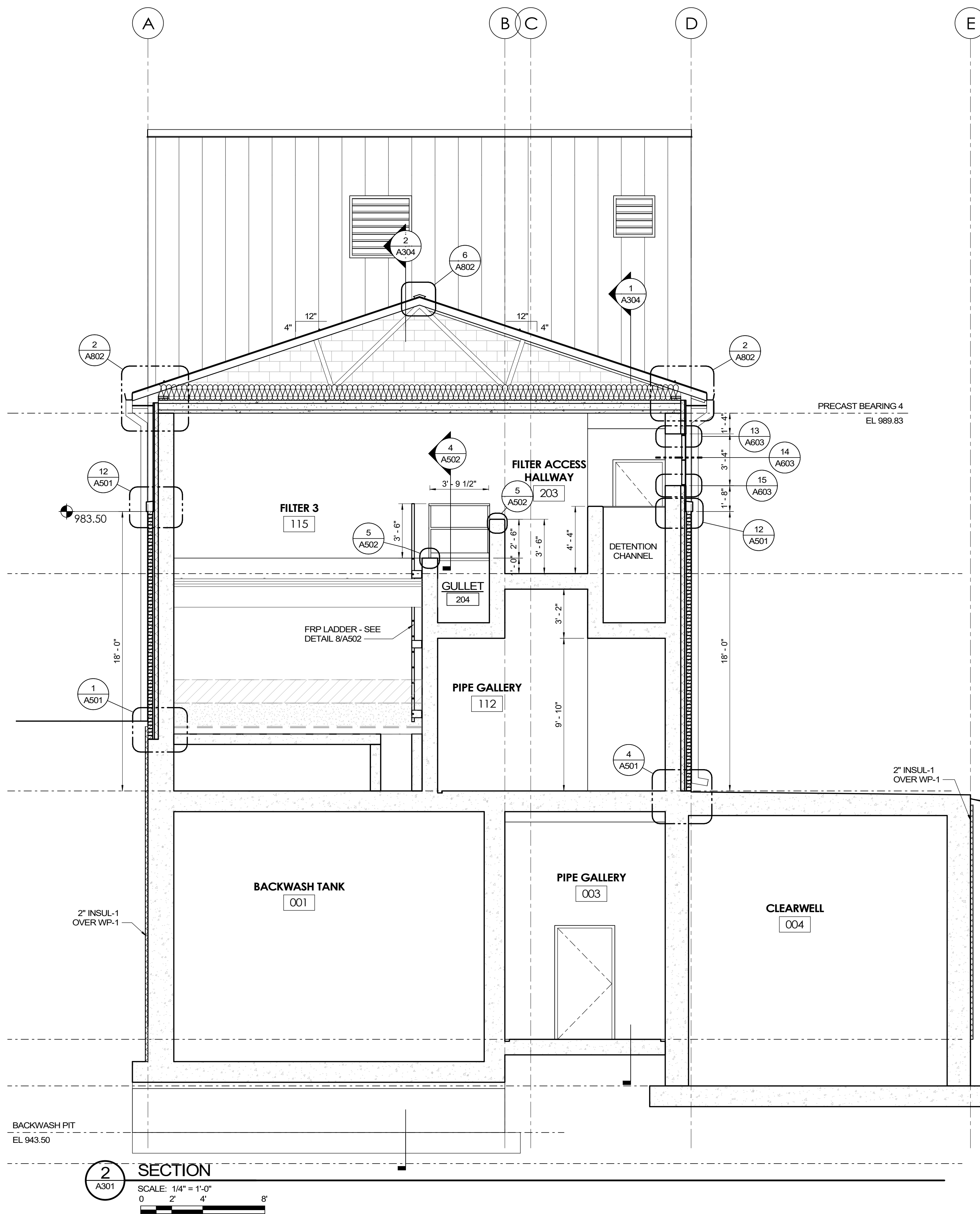
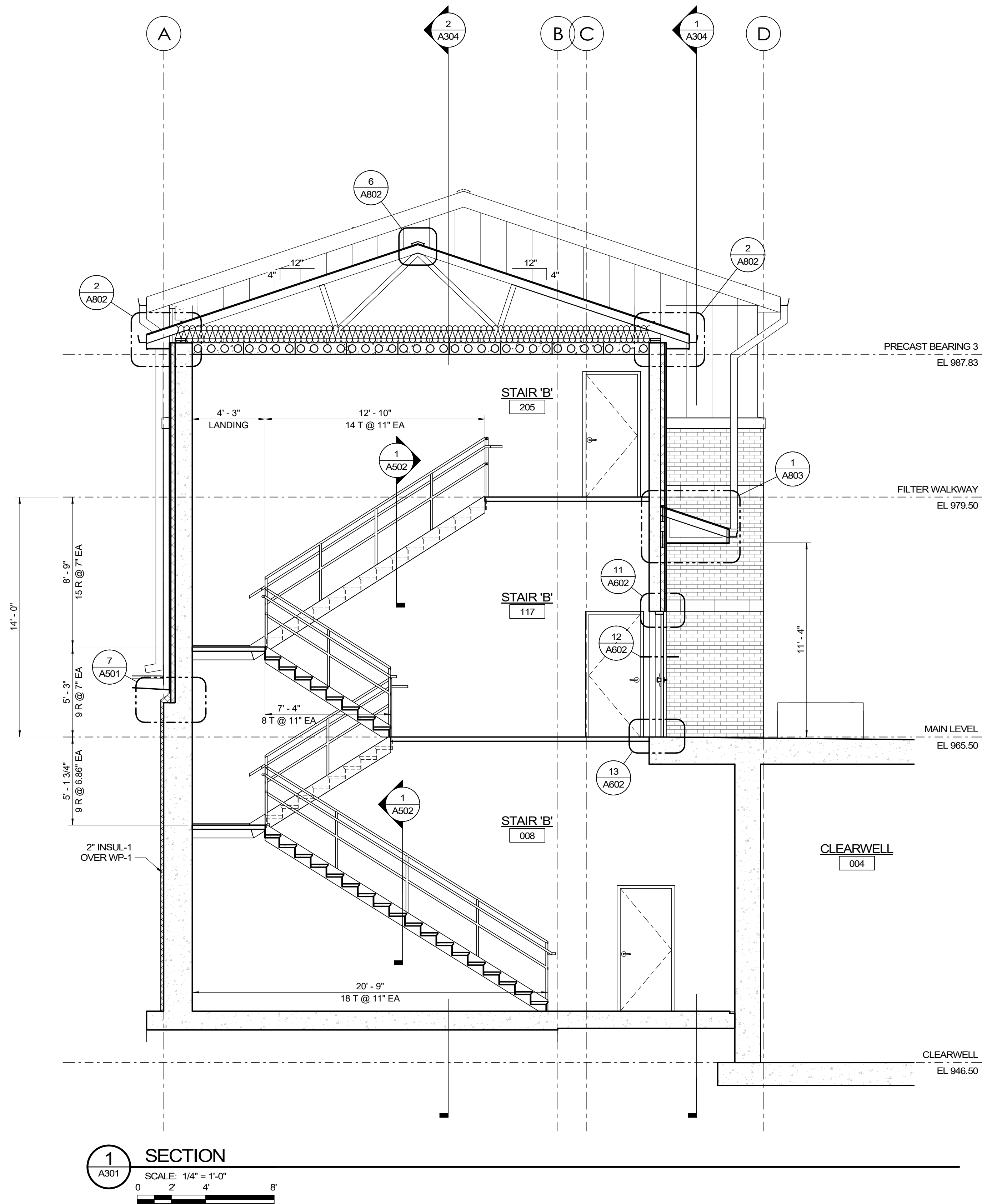


- ## KEY
- 
- 1 HOUR FIRE RATED WALL  
----- 2 HOUR FIRE RATED WALL

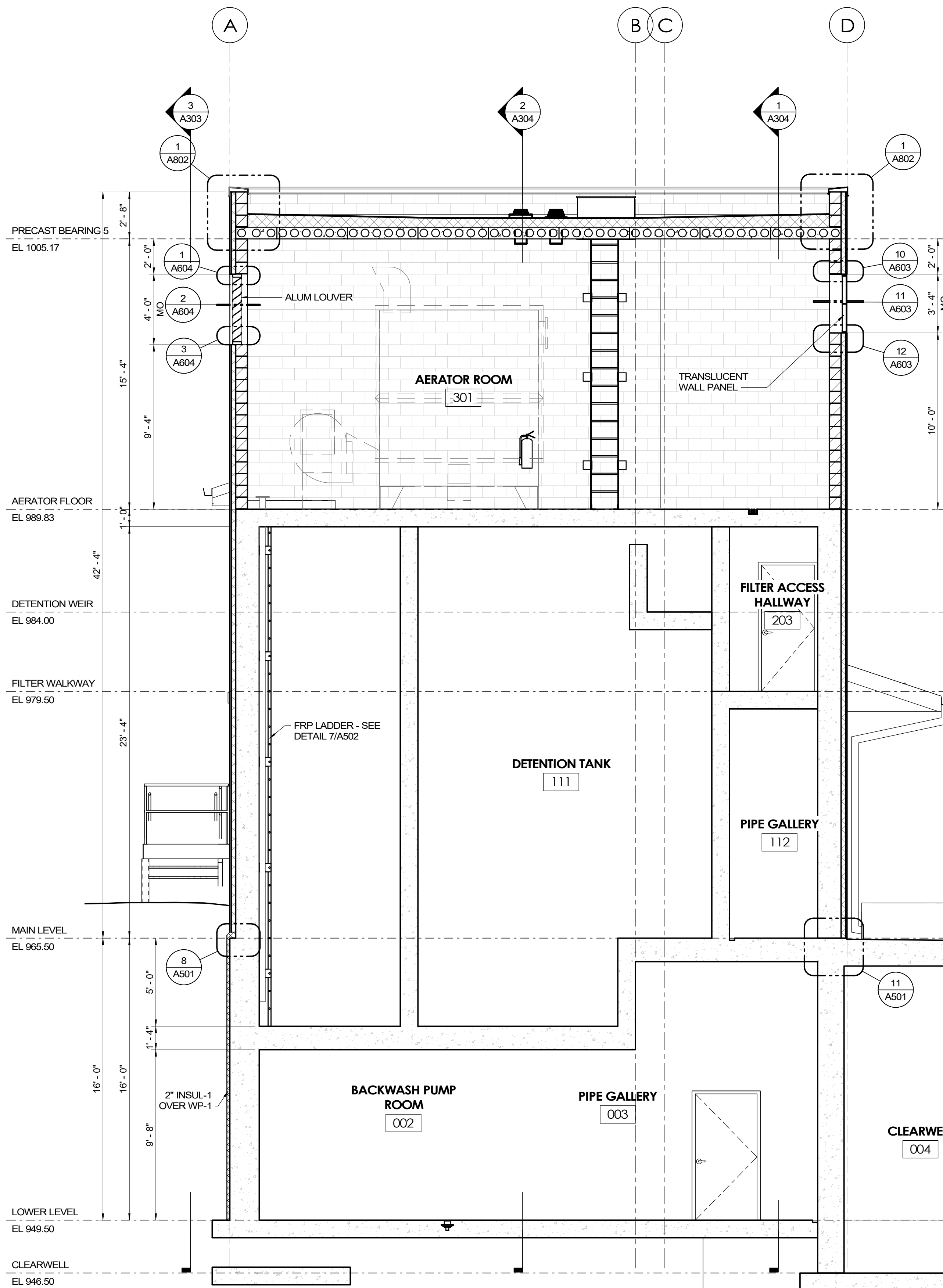




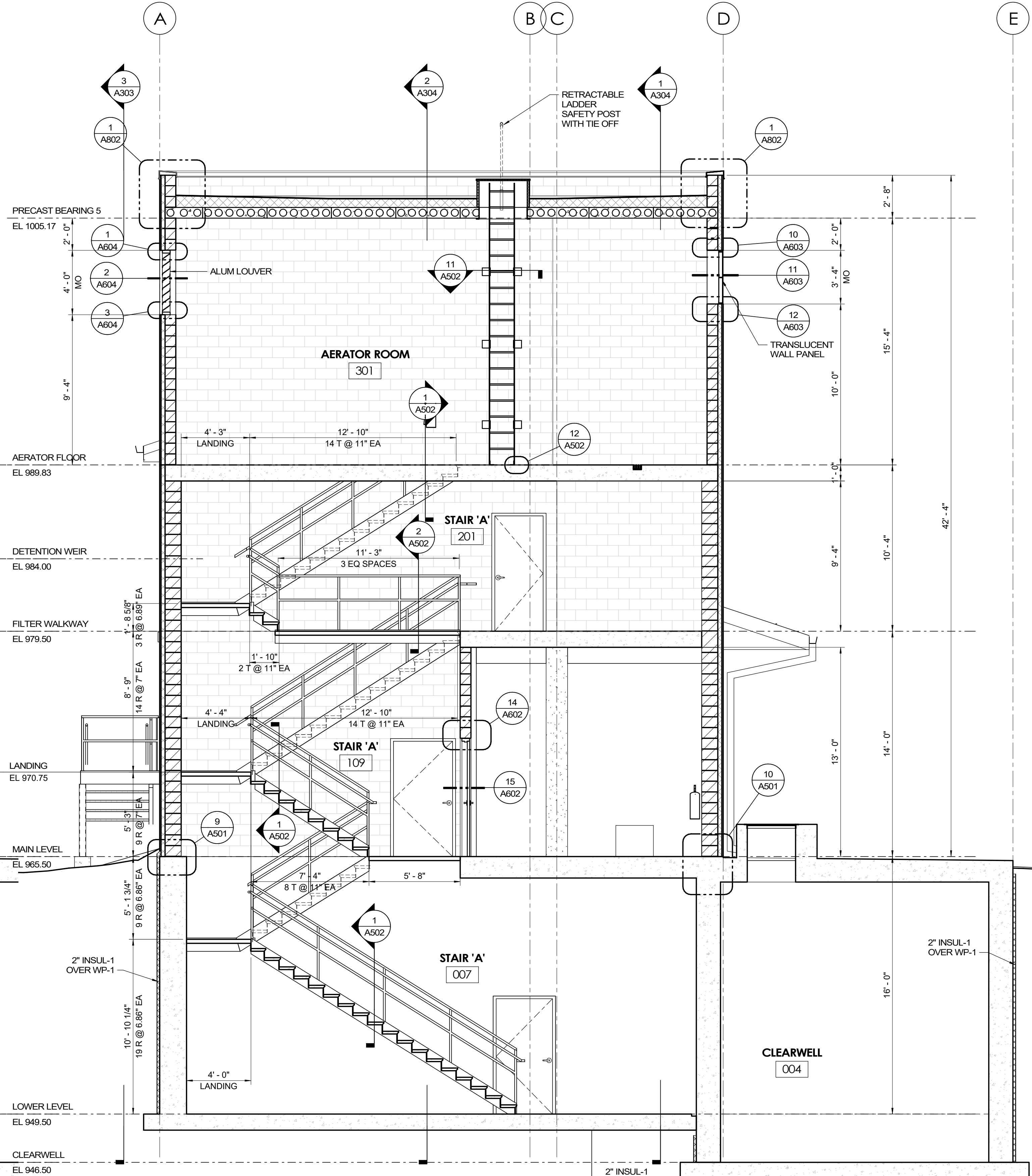








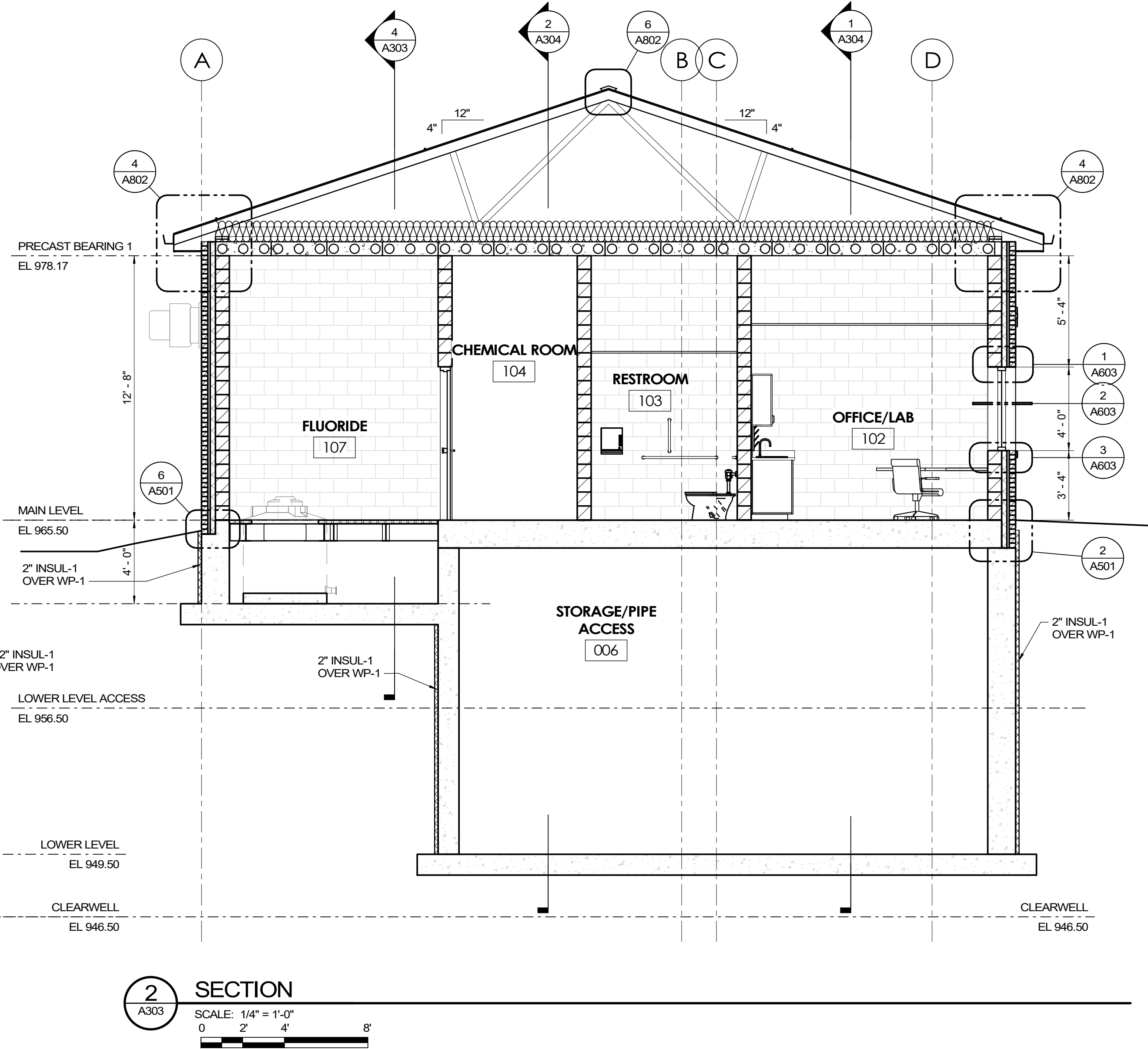
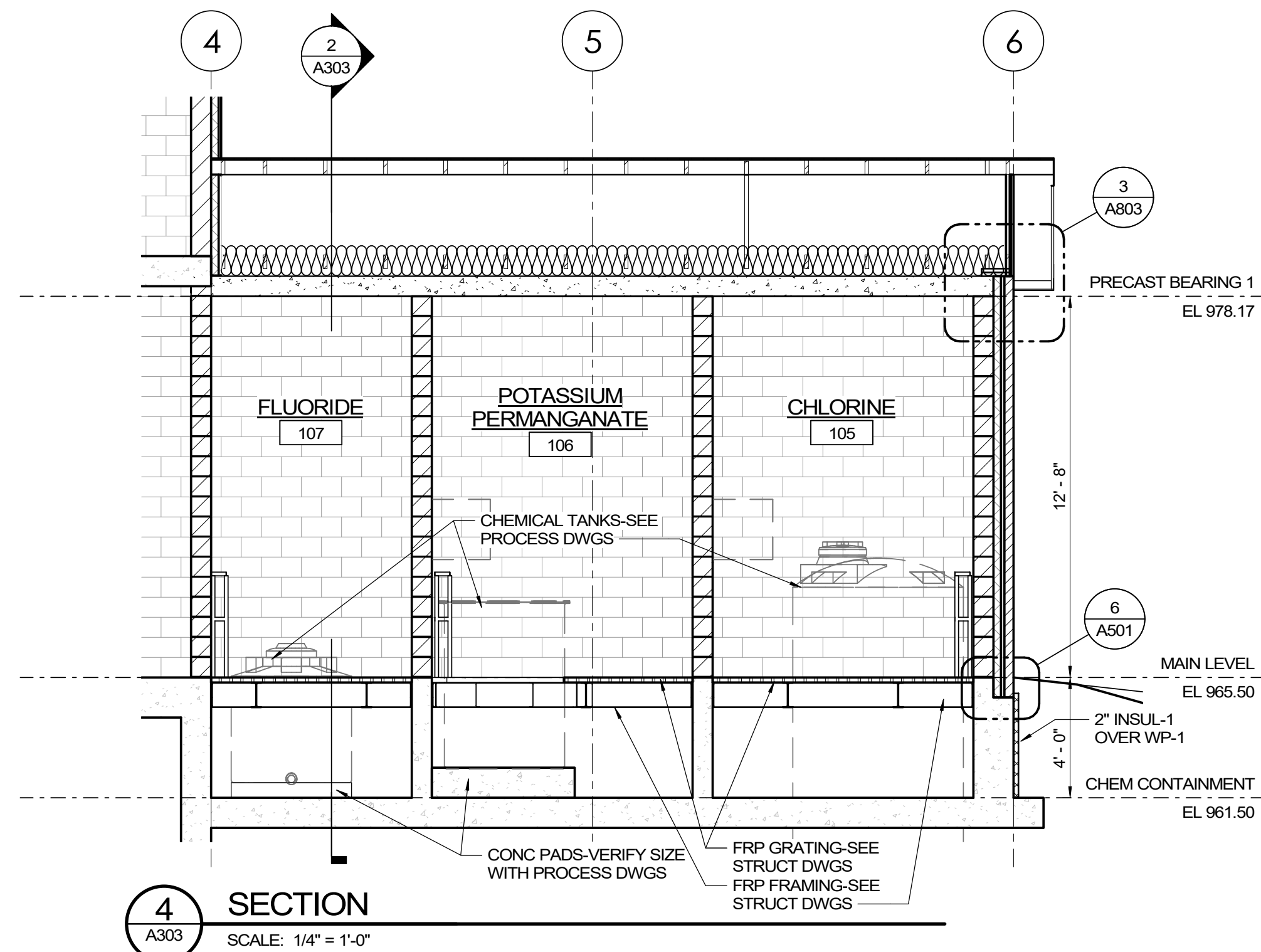
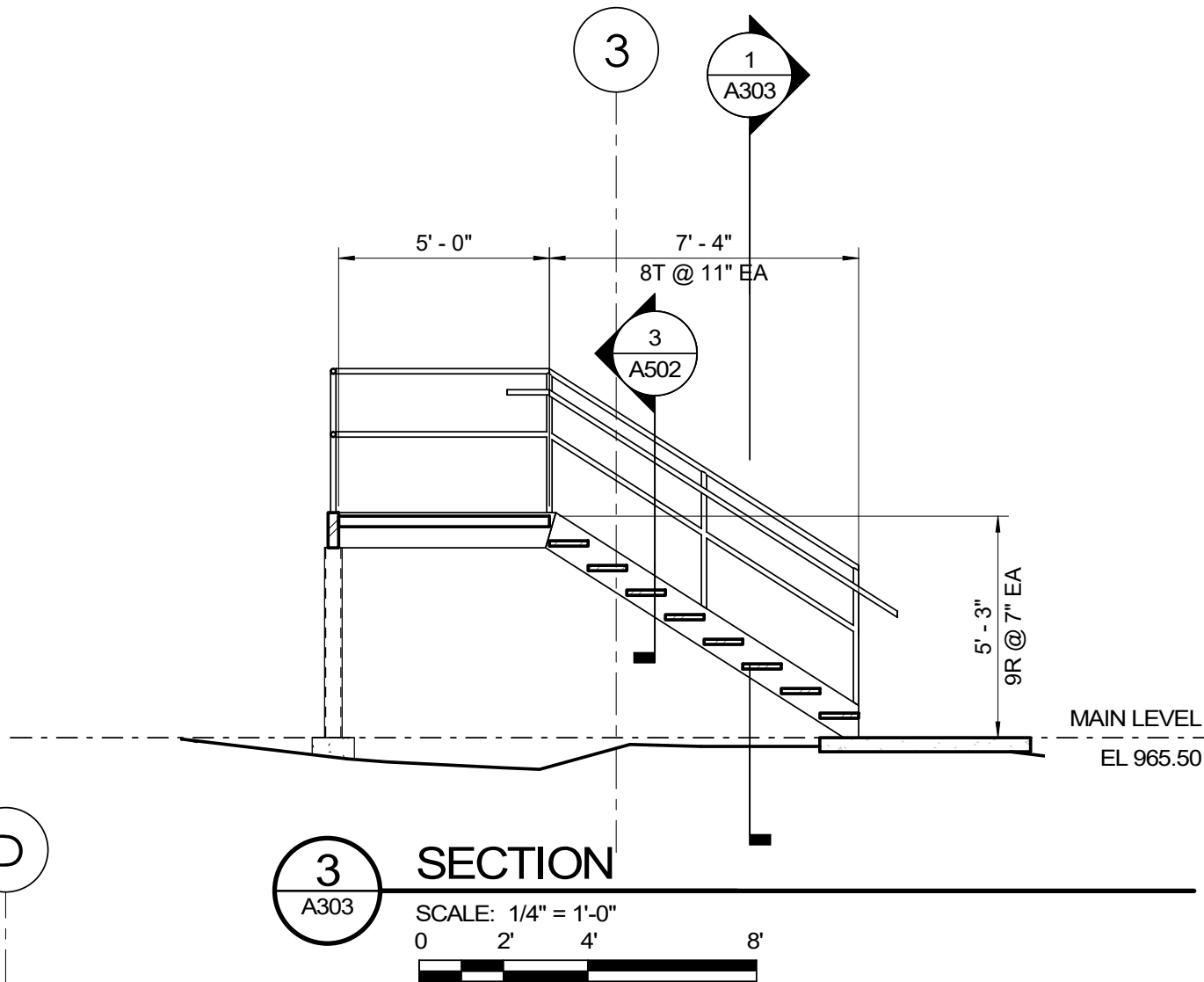
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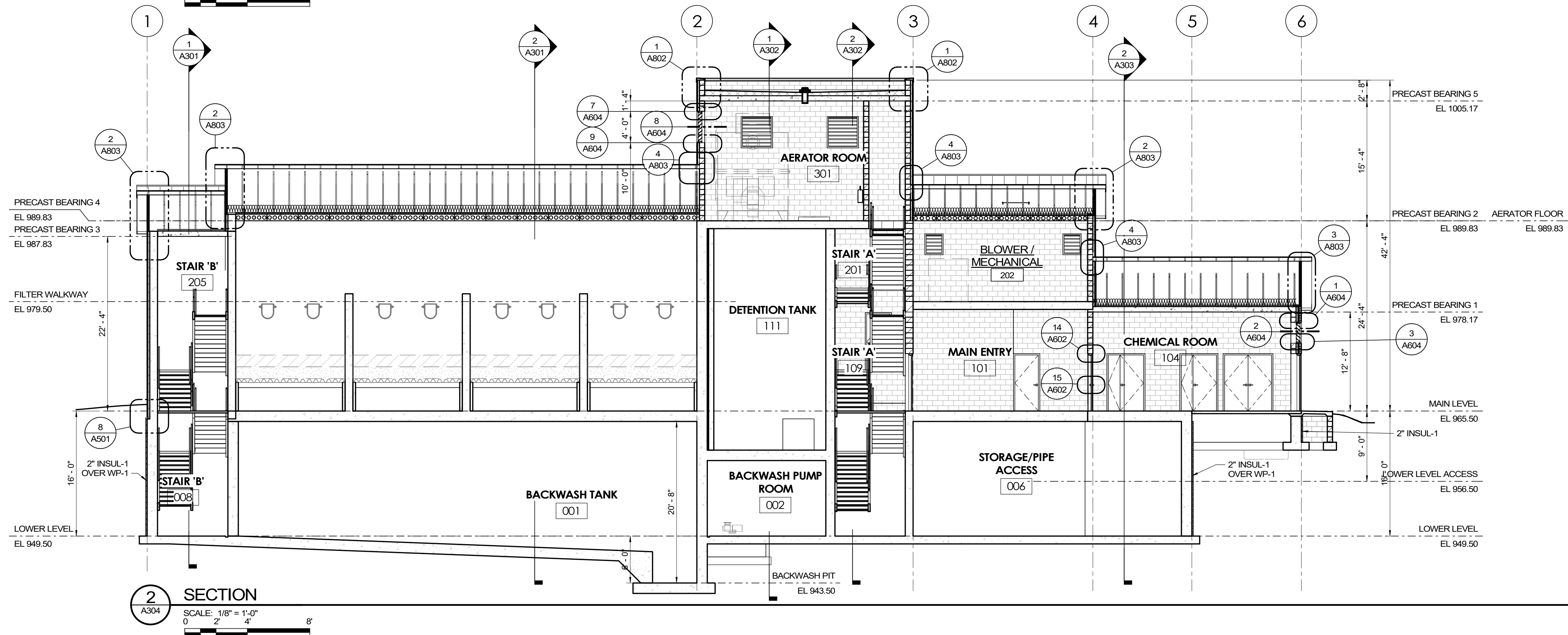
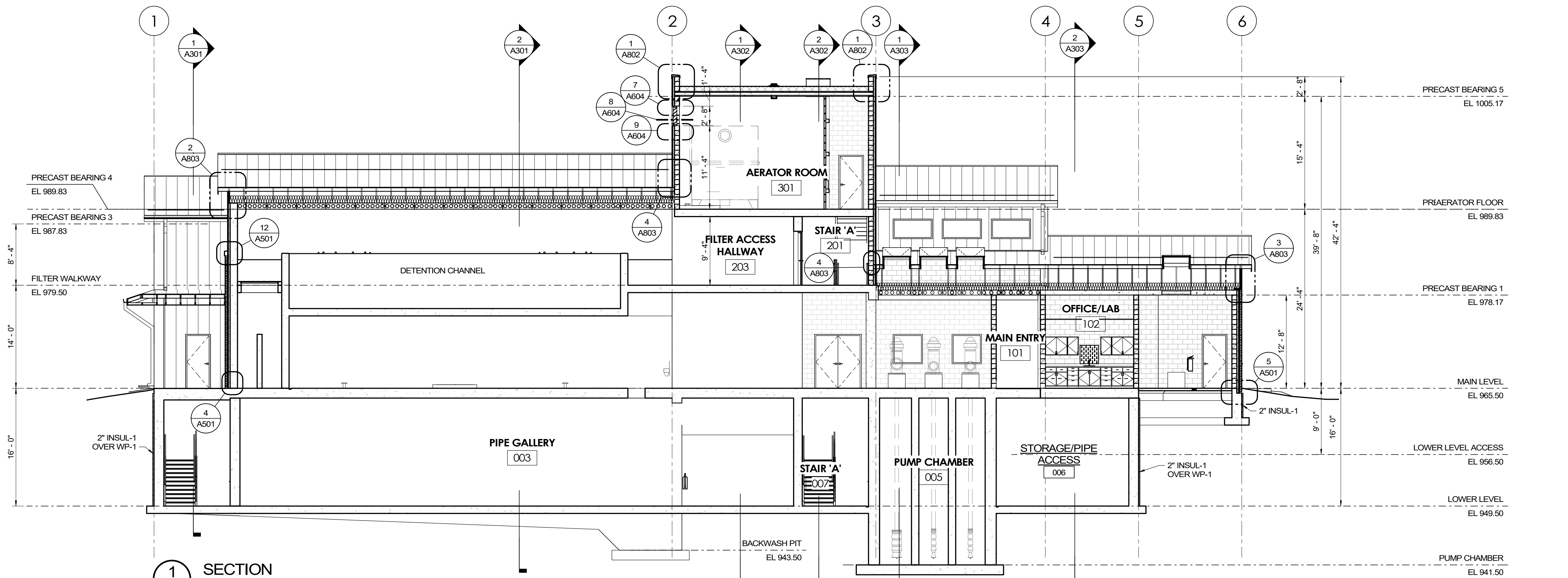
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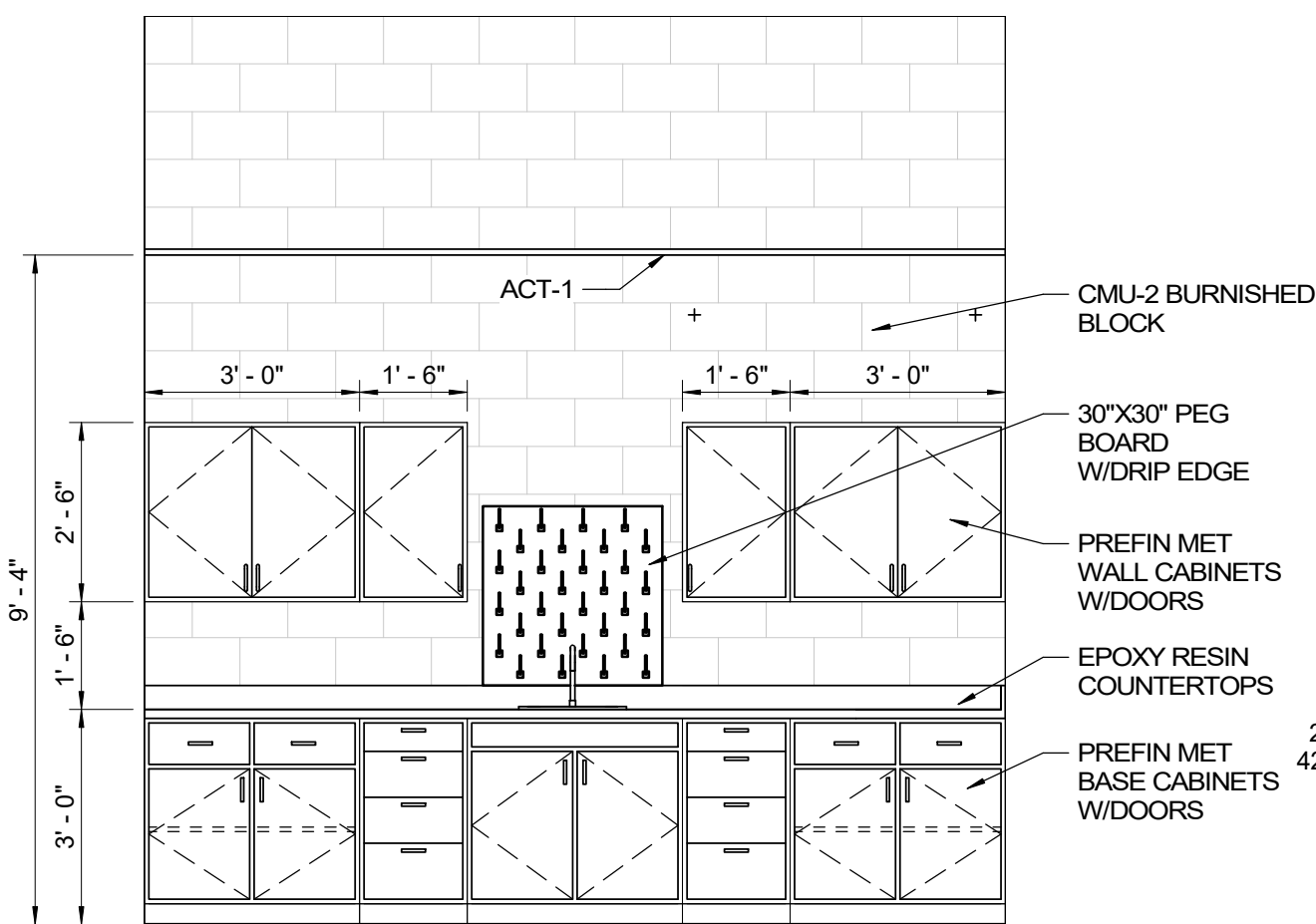
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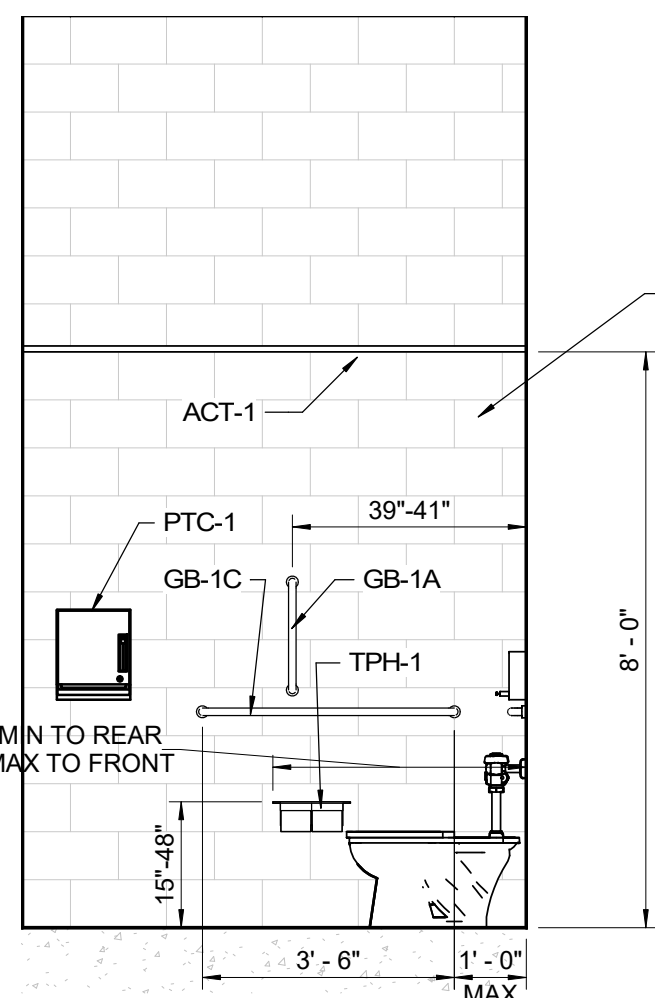
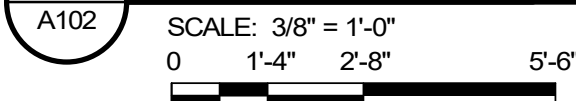




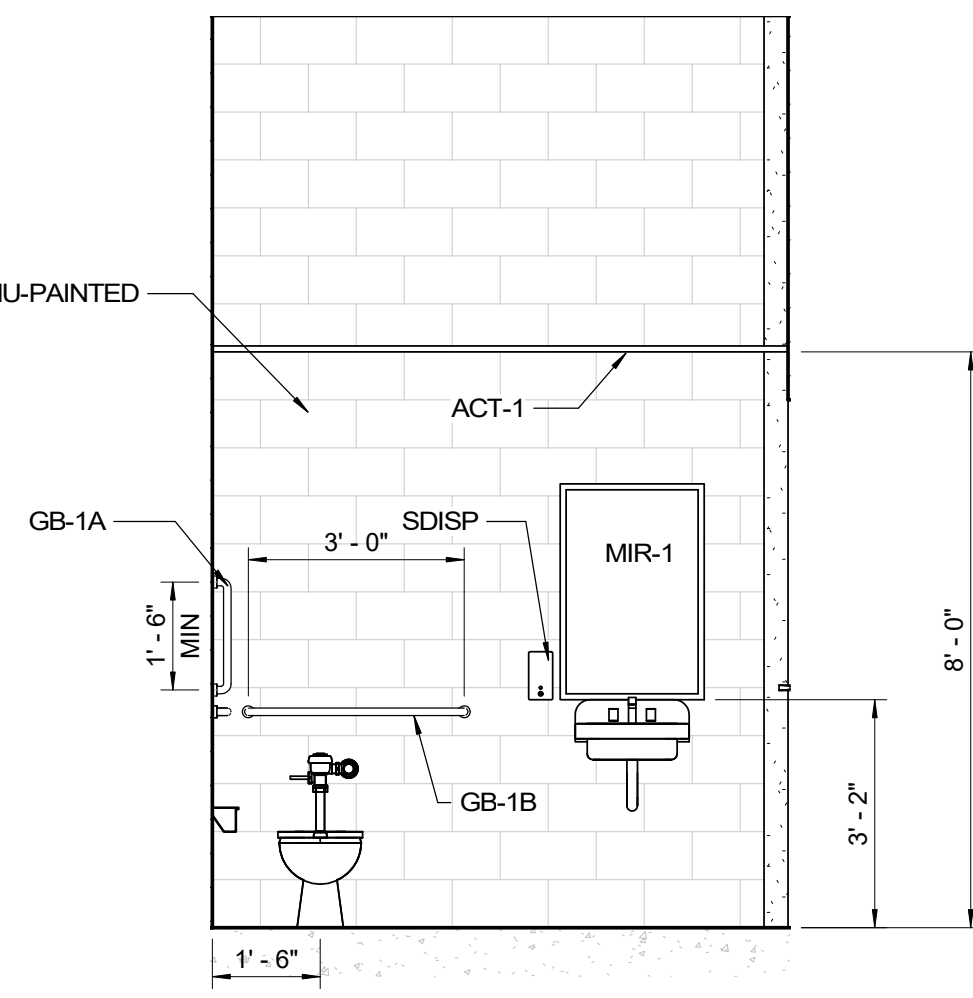
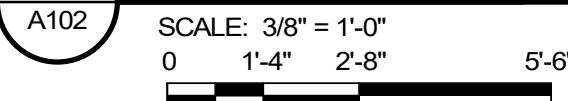




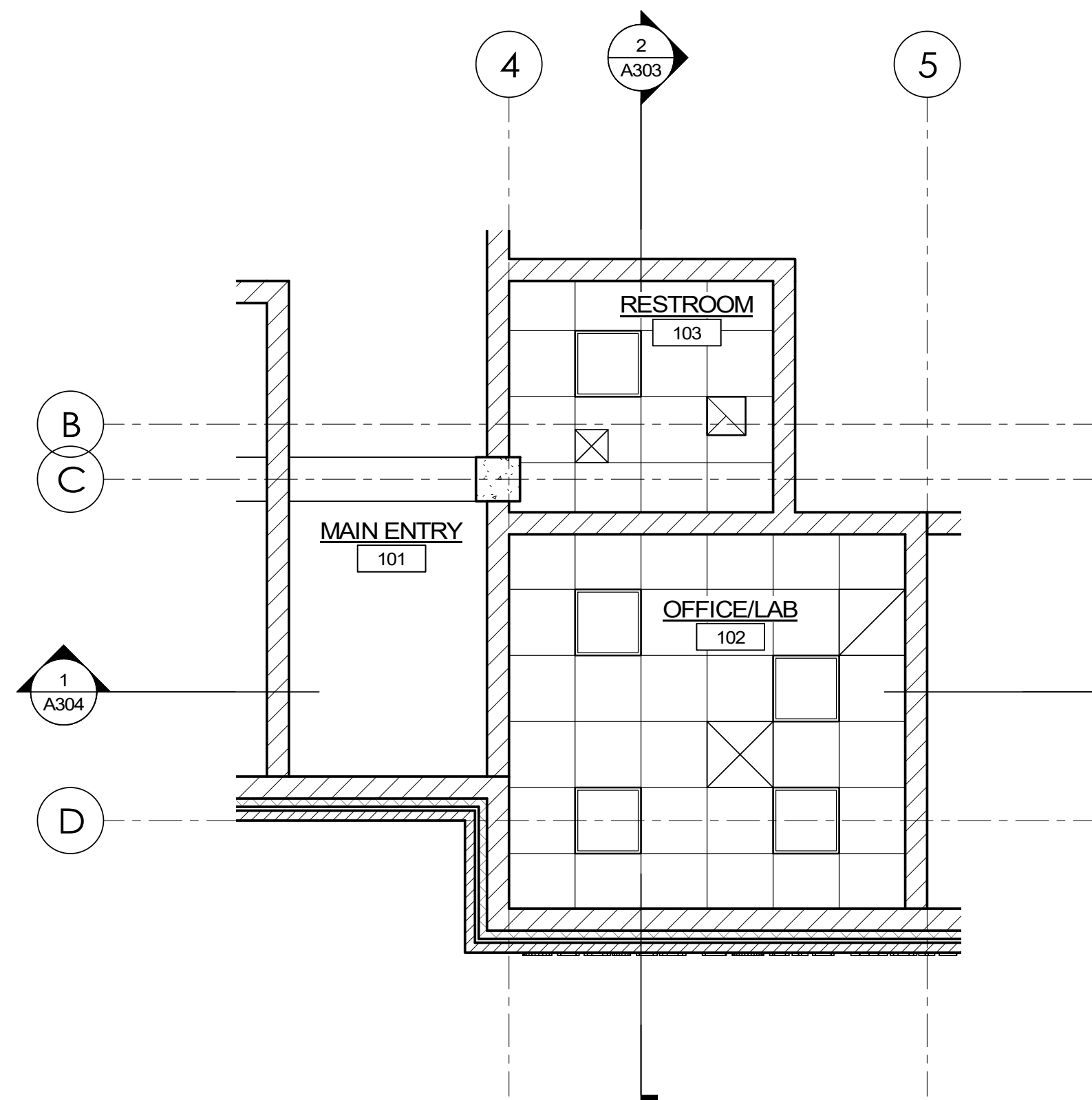
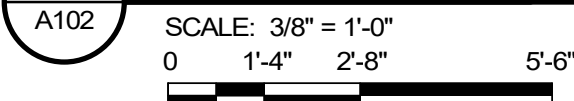
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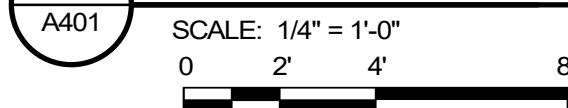
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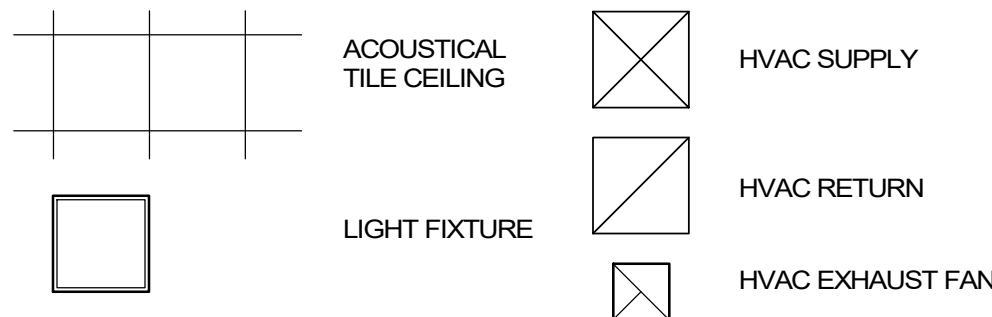
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#### 4 REFLECTED CEILING PLAN



## REFLECTED CEILING KEY



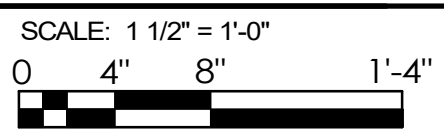
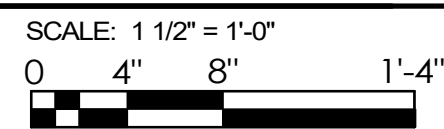
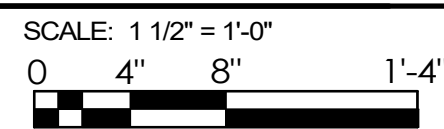
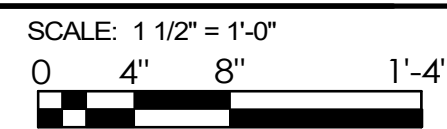
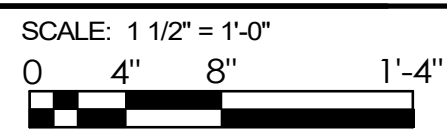
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| SURVEY    |          |          |
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| DESIGNED  |          | BPP/RTM  |
| CHECKED   |          | BPP      |
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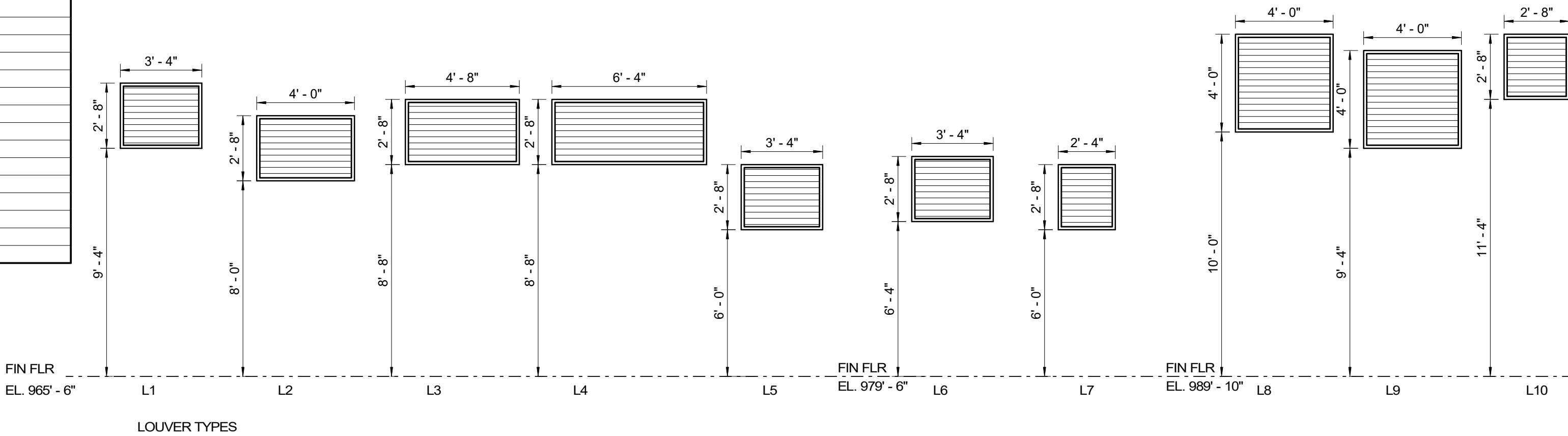




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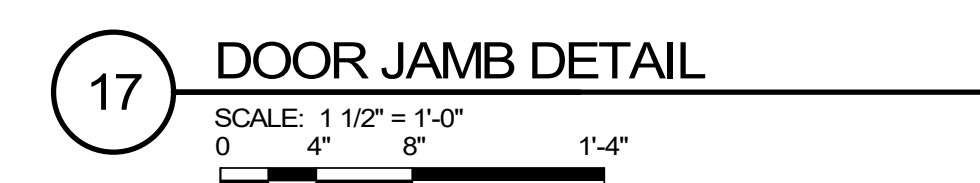
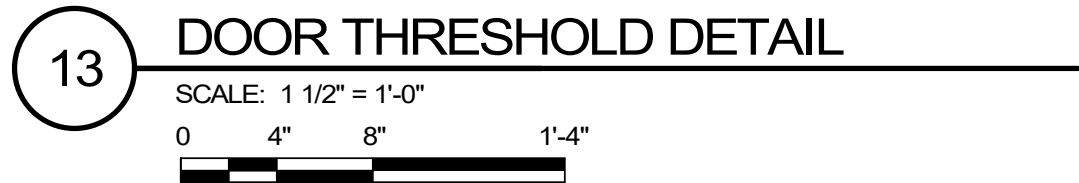
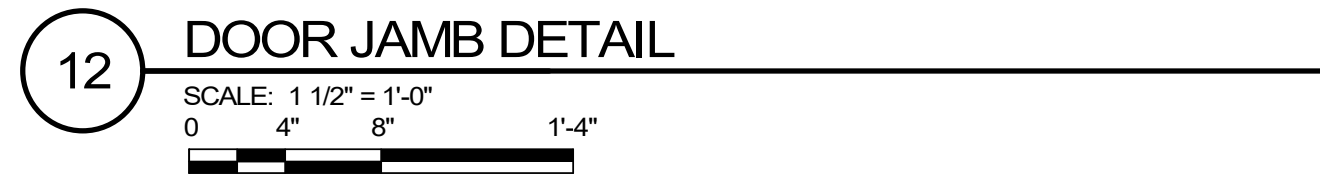
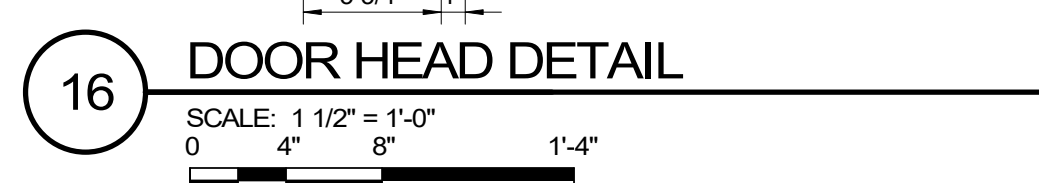
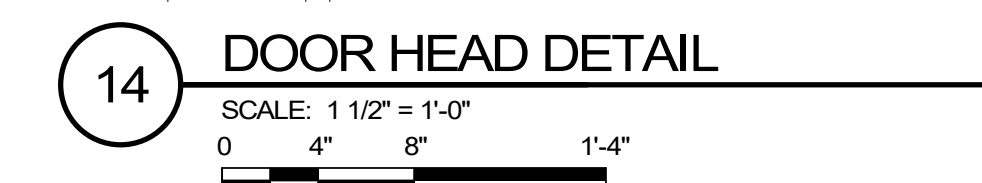
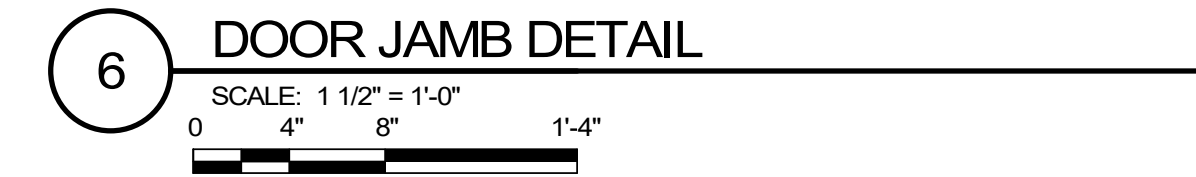
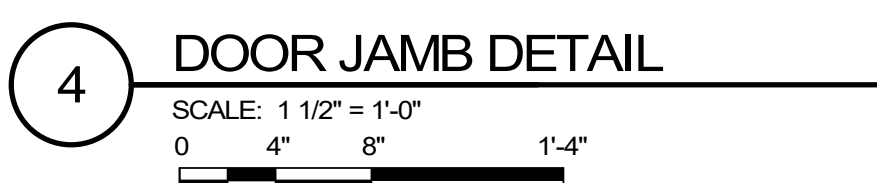
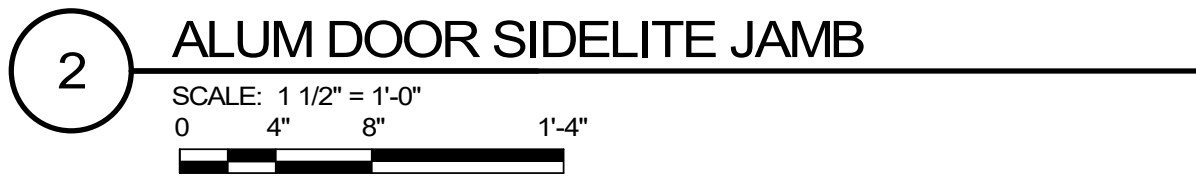
| DOOR SCHEDULE |                    |         |               |                  |              |         |                   |               |             |             |                           |                |                   |       |  |  |
|---------------|--------------------|---------|---------------|------------------|--------------|---------|-------------------|---------------|-------------|-------------|---------------------------|----------------|-------------------|-------|--|--|
| NUMBER        | WIDTH              | HEIGHT  | THICKNES<br>S | DOOR<br>MATERIAL | DOOR<br>TYPE | GLAZING | FRAME<br>MATERIAL | FRAME<br>TYPE | HEAD DETAIL | JAMB DETAIL | THRESHOLD/ SILL<br>DETAIL | FIRE<br>RATING | HARDWARE<br>GROUP | NOTES |  |  |
| D-007A        | 3' - 6"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 16/A602     | 17/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-007B        | 3' - 6"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 16/A602     | 17/A602     | -                         | 45 MIN         | 11.4              |       |  |  |
| D-008A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 16/A602     | 17/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-101A        | 3'-0"              | 7'-2"   | 1 3/4"        | ALUM             | FG           | GL-2    | ALUM              | 2             | 1/A602      | 2,4/A602    | 3/A602                    | -              | 144.1             |       |  |  |
| D-102A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | HG           | GL-2    | HM                | 1             | 14/A602     | 15/A602     | -                         | -              | 44.0              |       |  |  |
| D-103A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | -              | 12.0              |       |  |  |
| D-104A        | PR. 3' - 0"        | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 5/A602      | 6/A602      | 7a/A602                   | -              | 184.4             |       |  |  |
| D-104B        | 3' - 8"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | -              | 44.2              |       |  |  |
| D-105A        | PR. 3' - 0"        | 7' - 2" | 1 3/4"        | HM               | F            | -       | FRP               | 1             | 14/A602     | 15/A602     | -                         | 90 MIN         | 13.2              |       |  |  |
| D-106A        | PR. 3' - 0", 1'-6" | 7' - 2" | 1 3/4"        | HM               | F            | -       | FRP               | 1             | 14/A602     | 15/A602     | -                         | 90 MIN         | 13.2              |       |  |  |
| D-107A        | PR. 3' - 0", 1'-6" | 7' - 2" | 1 3/4"        | HM               | F            | -       | FRP               | 1             | 14/A602     | 15/A602     | -                         | 90 MIN         | 13.2              |       |  |  |
| D-108A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | -              | 44.0              |       |  |  |
| D-109A        | 3' - 8"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-109B        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 8/A602      | 9/A602      | 10/A602                   | 45 MIN         | 164.4             |       |  |  |
| D-110A        | PR. 3' - 0"        | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | 45 MIN         | 44.54             |       |  |  |
| D-112A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 16/A602     | 17/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-117A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 11/A602     | 12/A602     | 13/A602                   | -              | 164.4             |       |  |  |
| D-118A        | PR. 3' - 0"        | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 5/A602      | 6/A602      | 7a/A602                   | -              | 184.4             |       |  |  |
| D-118B        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | -              | 44.2              |       |  |  |
| D-201A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 16/A602     | 17/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-201B        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-205A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 16/A602     | 17/A602     | -                         | 45 MIN         | 44.0              |       |  |  |
| D-301A        | 3' - 0"            | 7' - 2" | 1 3/4"        | HM               | F            | -       | HM                | 1             | 14/A602     | 15/A602     | -                         | 45 MIN         | 44.0              |       |  |  |

| WINDOW AND LOUVER SCHEDULE |          |         |                |        |          |                |                |                |                        |  |
|----------------------------|----------|---------|----------------|--------|----------|----------------|----------------|----------------|------------------------|--|
| NUMBER                     | WIDTH    | HEIGHT  | FRAME MATERIAL | STYLE  | GLAZING  | HEAD DETAIL    | JAMB DETAIL    | SILL DETAIL    | NOTES                  |  |
| L1                         | 3' - 4"  | 2' - 8" | ALUM           | LOUVER | -        | 4/A604         | 5/A604         | 6/A604         |                        |  |
| L2                         | 4' - 0"  | 2' - 8" | ALUM           | LOUVER | -        | 1/A604, 7/A604 | 2/A604, 8/A604 | 3/A604, 9/A604 |                        |  |
| L3                         | 4' - 8"  | 2' - 8" | ALUM           | LOUVER | -        | 1/A604         | 2/A604         | 3/A604         |                        |  |
| L4                         | 6' - 4"  | 2' - 8" | ALUM           | LOUVER | -        | 1/A604         | 2/A604         | 3/A604         |                        |  |
| L5                         | 3' - 4"  | 2' - 8" | ALUM           | LOUVER | -        | 10/A604        | 11/A604        | 12/A604        |                        |  |
| L6                         | 3' - 4"  | 2' - 8" | ALUM           | LOUVER | -        | 10/A604        | 11/A604        | 12/A604        |                        |  |
| L7                         | 2' - 4"  | 2' - 8" | ALUM           | LOUVER | -        | 7/A604         | 8/A604         | 9/A604         |                        |  |
| L8                         | 4' - 0"  | 4' - 0" |                | LOUVER |          |                |                |                |                        |  |
| L9                         | 4' - 0"  | 4' - 0" | ALUM           | LOUVER | -        | 7/A604         | 8/A604         | 9/A604         |                        |  |
| L10                        | 2' - 8"  | 2' - 8" | ALUM           | LOUVER | -        | 7/A604         | 8/A604         | 9/A604         |                        |  |
| W-1                        | 4' - 0"  | 4' - 0" | ALUM           | FIXED  | GL-2     | 1/A603         | 2/A603         | 3/A603         |                        |  |
| W-1A                       | 4' - 0"  | 4' - 0" | ALUM           | FIXED  | GL-1     | 16/A603        | 17/A603        | 18/A603        |                        |  |
| W-2                        | 5' - 4"  | 2' - 8" | ALUM           | FIXED  | GL-2     | 7/A603         | 8/A603         | 9/A603         |                        |  |
| W-3                        | 5' - 4"  | 2' - 8" | ALUM           | FIXED  | GL-2     | 4/A603         | 5/A603         | 6/A603         |                        |  |
| W-4                        | 10' - 0" | 3' - 4" | ALUM           | FIXED  | 08 45 13 | 13/A603        | 14/A603        | 15/A603        | TRANSLUCENT WALL PANEL |  |
| W-5                        | 10' - 0" | 3' - 4" | ALUM           | FIXED  | 08 45 13 | 10/A603        | 11/A603        | 12/A603        | TRANSLUCENT WALL PANEL |  |





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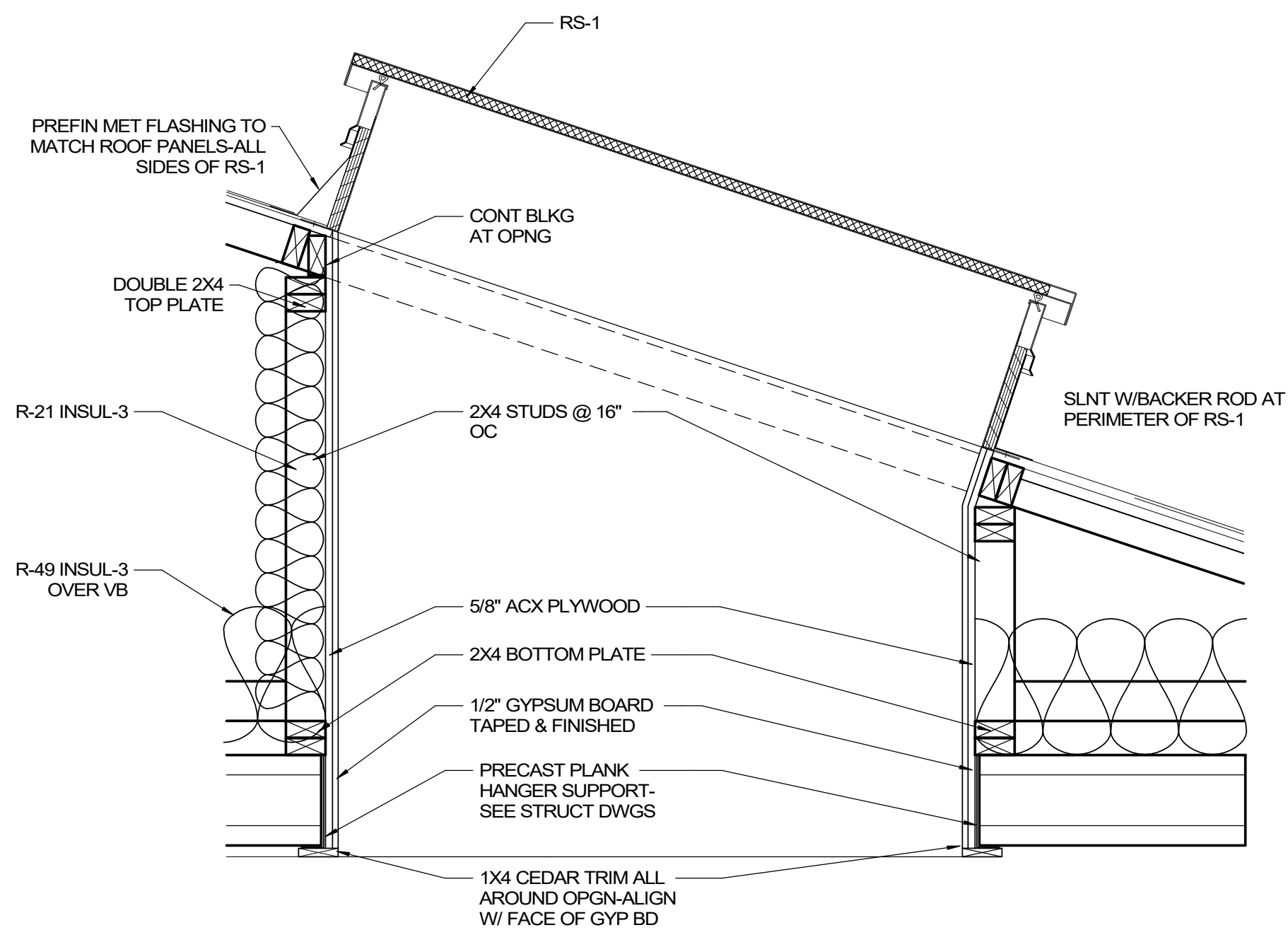
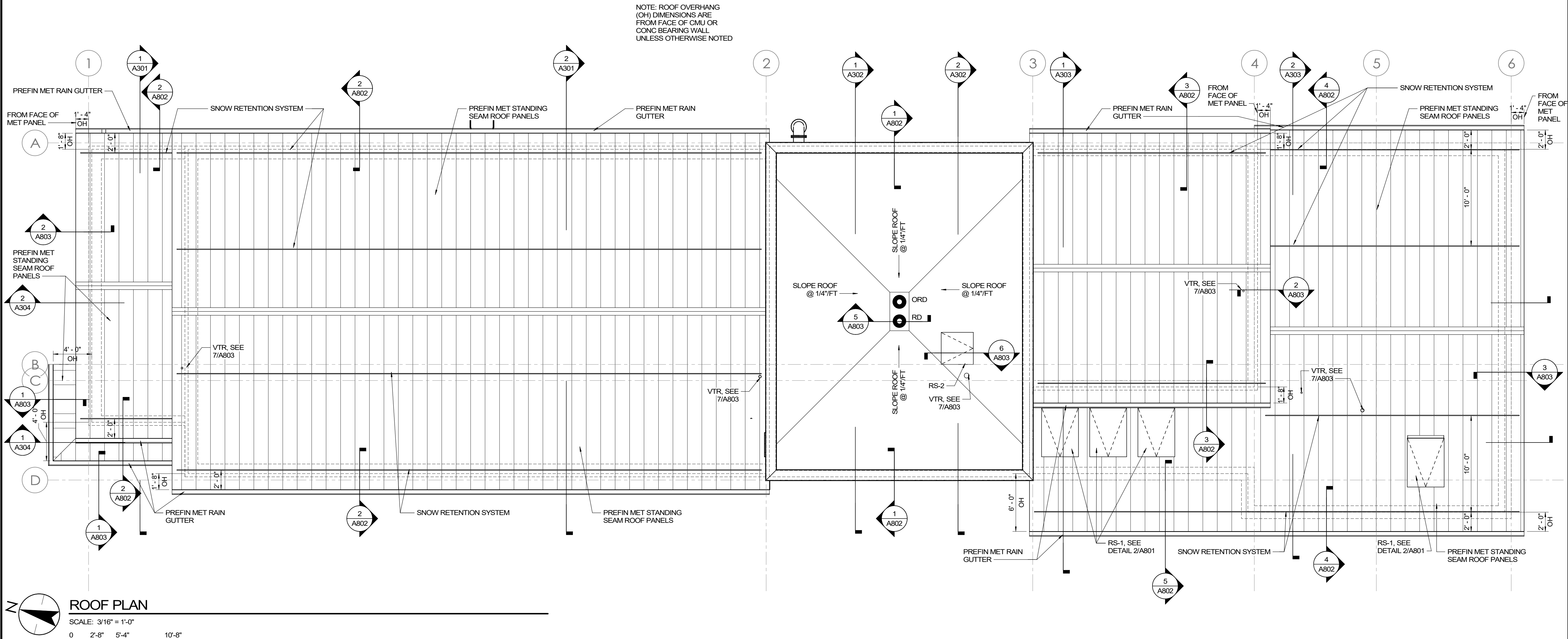




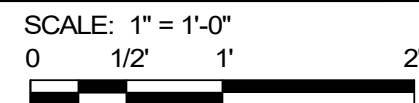


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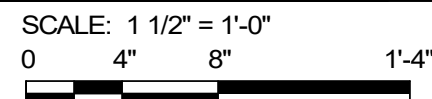
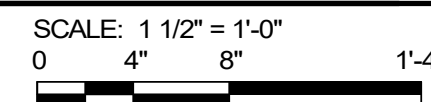
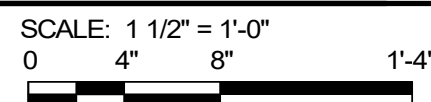
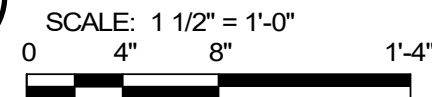
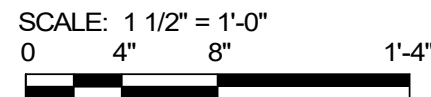
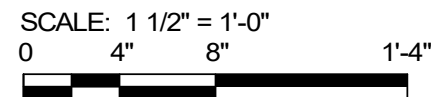


## 2 ROOF SCUTTLE DETAIL





Plot Date: 5/9/2023 9:01:11 AM



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 AND THAT I AM A DULY LICENSED ARCHITECT  
 UNDER THE LAWS OF THE STATE OF MINNESOTA

PRINT NAME: BRUCE P. PAULSON

SIGNATURE: *Bruce P. Paulson*

DATE: 05/09/2023

LIC. NO. 20910



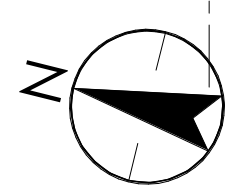
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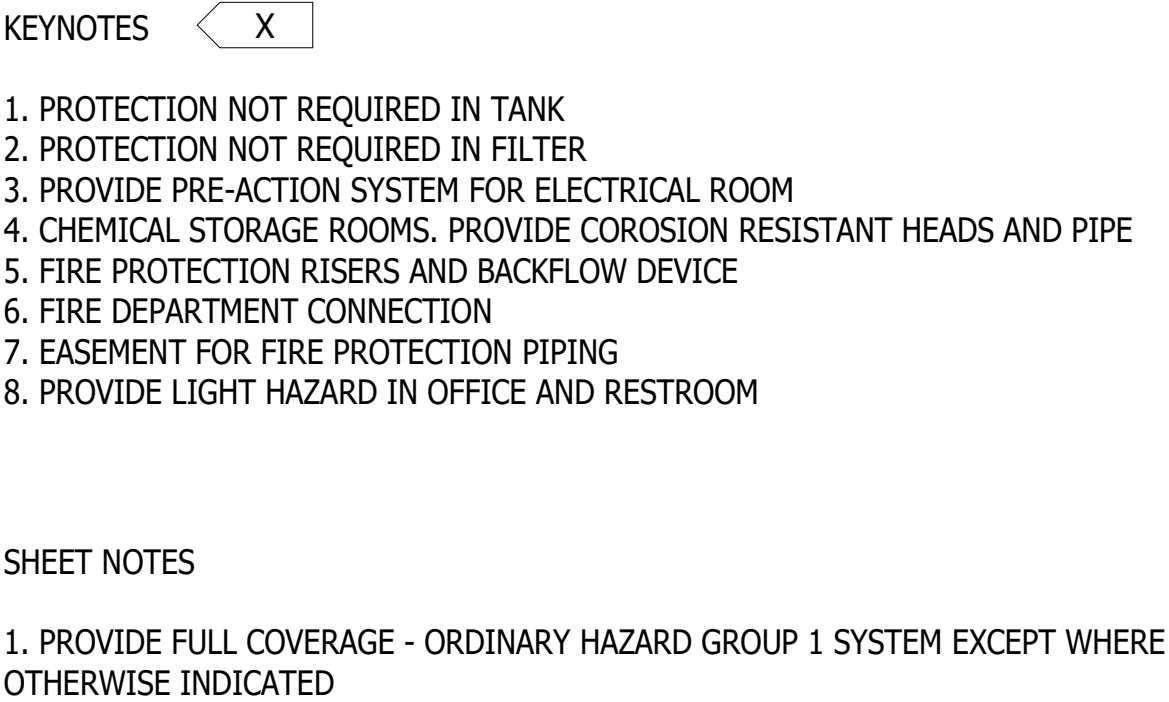


1  
F101

SHEET NUMBER  
F101

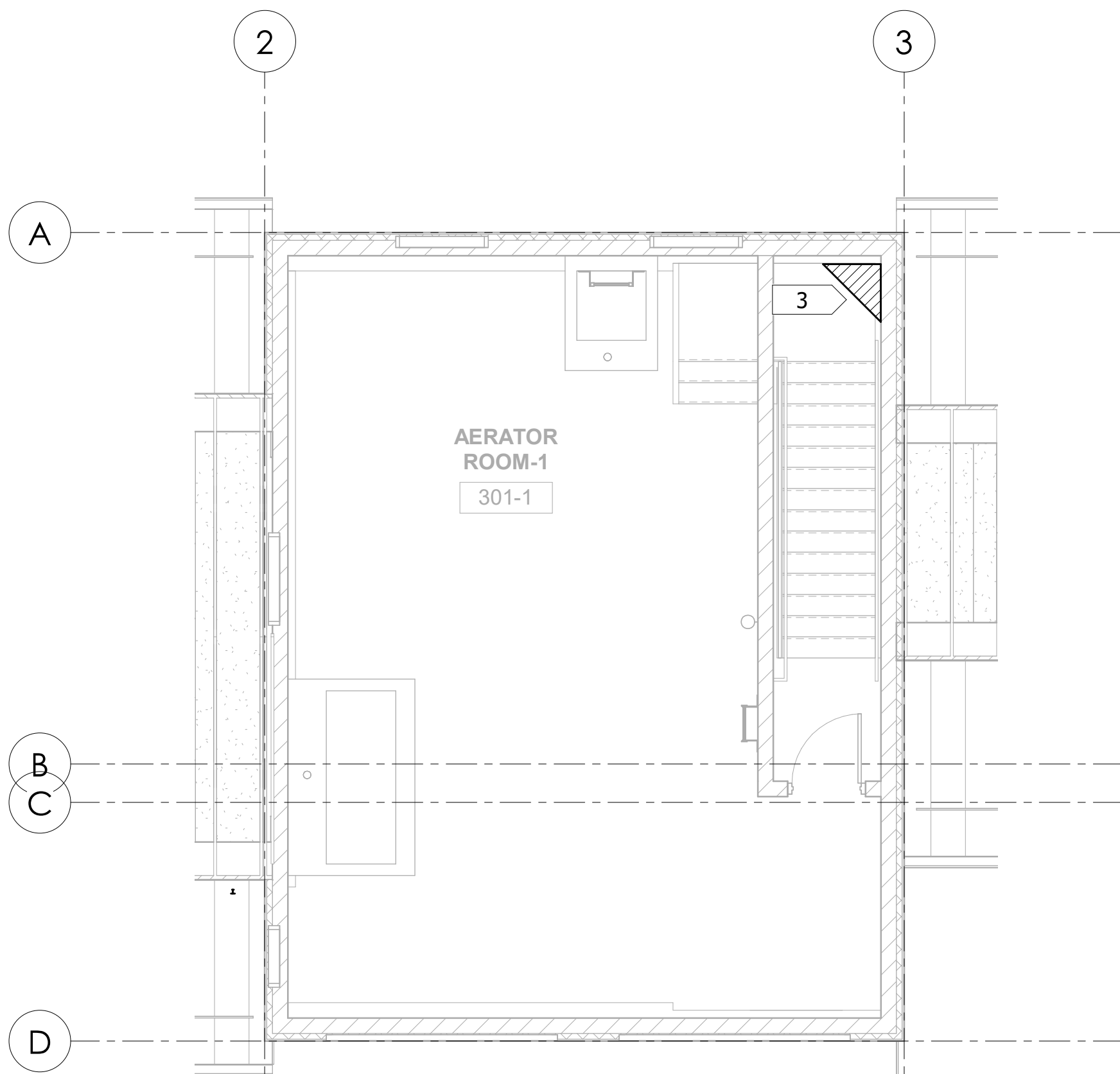
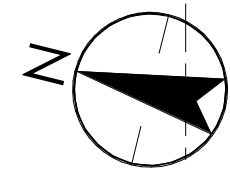


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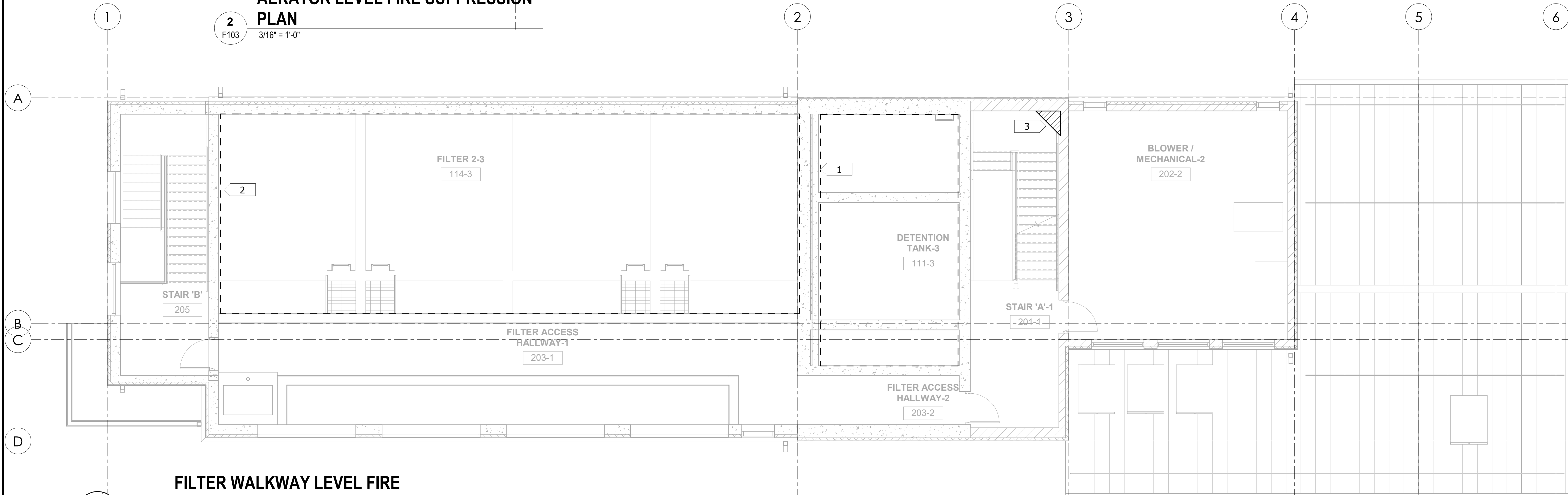
| NO.          | REVISION  | DATE |
|--------------|-----------|------|
| X            | X         | X    |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
| SURVEY       | -         |      |
| DRAWN        | FE        |      |
| DESIGNED     | JR        |      |
| CHECKED      | JR        |      |
| APPROVED     | JR        |      |
| PROJ. NO.    | 193805386 |      |
| SHEET NUMBER |           |      |
| F102         |           |      |





## AERATOR LEVEL FIRE SUPPRESSION PLAN

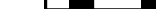
F103  $3/16" = 1'-0'$



## FILTER WALKWAY LEVEL FIRE SUPPRESSION PLAN

F103  $3/16'' = 1'-0''$

0 2'-8'' 5'-4'' 10'-8''

KEYNOTES  X

---

X

1. PROTECTION NOT REQUIRED IN TANK
2. PROTECTION NOT REQUIRED ABOVE FILTERS
3. EASEMENT FOR FIRE PROTECTION PIPING

SHEET NOTES

1. PROVIDE FULL COVERAGE - ORDINARY HAZARD GROUP 1 SYSTEM EXCEPT WHERE OTHERWISE INDICATED

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

PRINT NAME: JEROMY L REED

100

SIGNATURE: Johnny Lee

DATE: 05/09/2023 LIC. NO. 53856

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
UPPER LEVEL FIRE SUPPRESSION PLAN

| NO.       | REVISION  | DATE |
|-----------|-----------|------|
| X         | X         | X    |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
| SURVEY    |           | -    |
| DRAWN     |           | FEB  |
| DESIGNED  |           | JR   |
| CHECKED   |           | JR   |
| APPROVED  |           | JR   |
| PROJ. NO. | 193805386 |      |

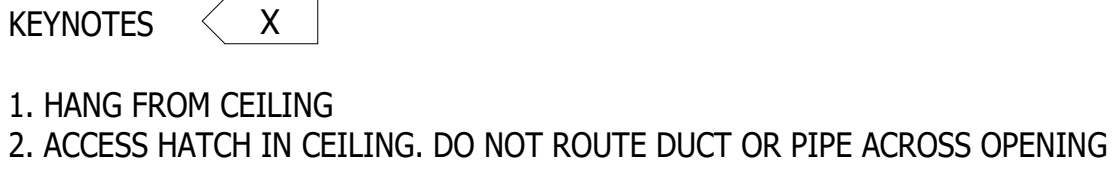
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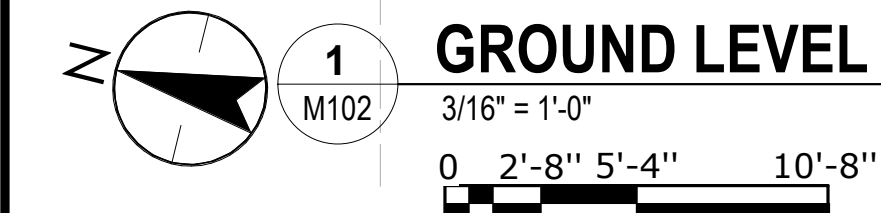
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
LOWER LEVEL MECHANICAL PLAN

| NO.       | REVISION  | DATE |
|-----------|-----------|------|
| X         | X         | X    |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
| SURVEY    | -         |      |
| DRAWN     | FE        |      |
| DESIGNED  | JR        |      |
| CHECKED   | JR        |      |
| APPROVED  | JR        |      |
| PROJ. NO. | 193805386 |      |

SHEET NUMBER  
M101



Plot Date: 5/10/2023 12:37:54 PM  
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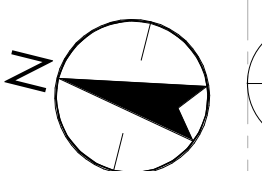
- KEYNOTES
- |   |
|---|
| X |
|---|
1. ROUTE DUCT TO 12" ABOVE BOTTOM OF ENCLOSURE TERMINATE WITH 1/4" GALVANIZED MESH
2. GAS METER: 2 PSI, 360 MBH, 250 FT MAXIMUM DEVELOPED LENGTH.
3. 4" UNIT HEATER VENT AND COMBUSTION ROUTE OUT WALL 10 FT. MINIMUM FROM AIR INTAKES, TERMINATE PER MANUFACTURER'S REQUIREMENTS.
4. ACCESS HATCH IN FLOOR. DO NOT ROUTE DUCT OR PIPE ABOVE HATCH.
5. MATCH ARCH. LOUVER SIZE WITH SHETT METAL PLENUM

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
GROUND LEVEL MECHANICAL PLAN

[illegible]



Plot Date: 5/10/2023 12:37:55 PM  
File Path: B:\M 360://193805386 WTP Chaska\193805386 M R20.mt



KEYNOTES  X

1. 4" UNIT HEATER VENT AND COMBUSTION AIR. ROUTE OUT WALL 10 FT. MINIMUM FROM AIR INLETS. TERMINATE FOR MANUFACTURER'S REQUIREMENTS.
2. ACCESS HATCH. DO NOT ROUTE DUCT OR PIPE ABOVE HATCH.
3. 26X26 RELIEF DAMPER, BLANK OFF UNUSED ARCHITECTURAL LOUVER.
4. HOLD DUCT TIGHT TO WALL TO MAXIMIZE LENGTH OF STRAIGHT DUCT TO INLET, TRANSITION AS REQUIRED.
5. CONNECT TO AERATOR EXHAUST, TRANSITION AS REQUIRED.
6. MATCH ARCH. LOUVER SIZE WITH SHEET METAL PLENUM TYPICAL.
7. AERATOR EXHAUST DUCT. WELD ALL JOINTS AND SEAMS. SLOPE TO DRAIN OUT LOUVER

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

PRINT NAME: JEREMY L REED

SIGNATURE: *Jeremy L Reed*

DATE: 05/09/2023 LIC. NO.: 53856

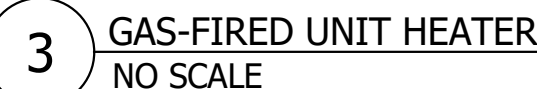
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
FILTER WALKWAY LEVEL MECHANICAL PLAN

| NO.       | REVISION | DATE |
|-----------|----------|------|
| X         | X        | X    |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
| SURVEY    |          | -    |
| DRAWN     |          | FE   |
| DESIGNED  |          | JR   |
| CHECKED   |          | JR   |
| APPROVED  |          | JR   |
| PROJ. NO. | 19380538 |      |

SHEET NUMBER  
M103



Plot Date: 5/10/2023 12:37:55 PM

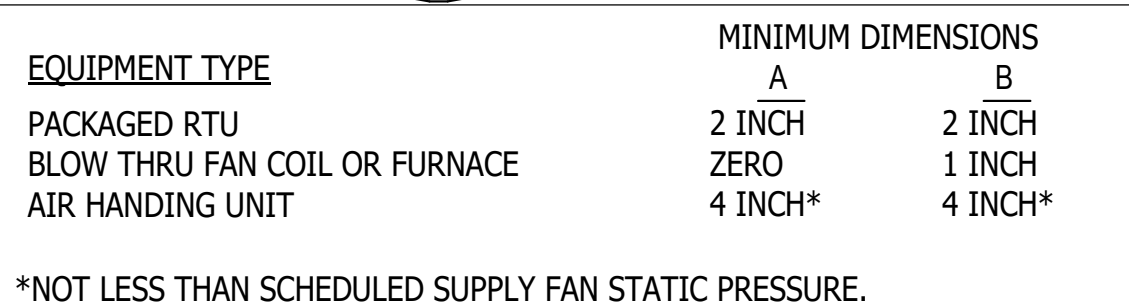
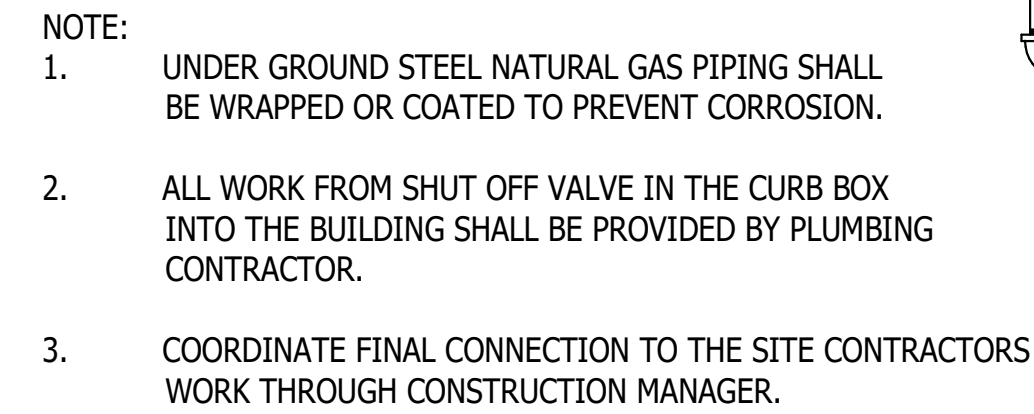
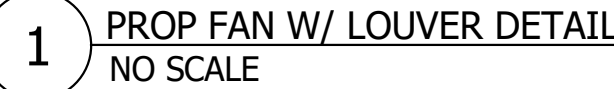


| EQUIPMENT CONNECTION     |          |
|--------------------------|----------|
| MAX EQUIP<br>INPUT(MB/H) | GAS SIZE |
| 130                      | 1/2"     |
| 280                      | 3/4"     |
| 530                      | 1"       |
| 1100                     | 1-1/4"   |
| 1600                     | 1-1/2"   |





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| AIR HANDLING UNIT SCHEDULE |        |                   |               |             |     |             |                       |         |         |                 |       |       |                |         |         |         |         |                 |                          |              |             |            |             |       |              |              |            |   |
|----------------------------|--------|-------------------|---------------|-------------|-----|-------------|-----------------------|---------|---------|-----------------|-------|-------|----------------|---------|---------|---------|---------|-----------------|--------------------------|--------------|-------------|------------|-------------|-------|--------------|--------------|------------|---|
| UNIT IDENTIFICATION        |        |                   | AIRFLOW       |             | FAN |             | ELECTRIC HEATING COIL |         |         |                 |       |       | COOLING COIL   |         |         |         |         |                 | PHYSICAL CHARACTERISTICS |              |             |            | ELECTRICAL  |       | MANUFACTURER | MODEL NUMBER | NOTES      |   |
| MARK                       | NUMBER | ROOM(S) SERVED    | AIRFLOW (CFM) | ESP (IN-WG) | HP  | SPEED (RPM) | CAPACITY KW           | EDB (F) | LDB (F) | MAX APD (IN-WG) | VOLTS | PHASE | CAPACITY (MBH) | EDB (F) | EWB (F) | LDB (F) | LWB (F) | MAX APD (IN-WG) | FLUID TYPE               | WEIGHT (LBS) | HEIGHT (IN) | WIDTH (IN) | LENGTH (IN) | VOLTS | PHASE        |              |            |   |
| AHU                        | 1      | LOWER LEVEL NORTH | 1900          | 0.9         | 1   | 2815        | 5                     |         |         |                 | 480   | 3     | -              | -       | -       | -       | -       | -               | -                        | 383          | 30          | 36         | 50          | 480   | 3            | DAIKIN       | CAH004GVCM | 1 |
| AHU                        | 2      | LOWER LEVEL SOUTH | 1850          | 0.85        | 1   |             | 5                     |         |         |                 | 480   | 3     | -              | -       | -       | -       | -       | -               | -                        | 383          | 30          | 36         | 50          | 480   | 3            | DAIKIN       | CAH004GVCM | 2 |
| AHU                        | 3      | OFFICE/LAB        | 500           | 0.75        | 0.3 | 1110        | 5                     |         |         |                 | 480   | 3     | 12             |         |         |         |         |                 | R410A                    | 221          | 18          | 24         | 73          | 480   | 3            | DAIKIN       | BCHD0061   | 3 |

- NOTES:
- VERTICAL UNIT, PROVIDE WITH MIXING BOX, 2" FILTER SECTION, ELECTRIC HEATING COIL, AND FAN SECTION.
  - HORIZONTAL UNIT, PROVIDE WITH MIXING BOX, 2" FILTER SECTION, ELECTRIC HEATING COIL, AND FAN SECTION.
  - HORIZONTAL UNIT, PROVIDE WITH MIXING BOX, 2" FILTER SECTION, ELECTRIC HEATING COIL, DX COOLING COIL, FAN SECTION AND MATCHED CU-1 UNIT

| DUCTLESS MINI-SPLIT SCHEDULE                                    |        |                |             |             |                   |               |          |            |       |     |     |                        |                  |             |                         |                          |            |       |     |     |                        |                |                   |       |
|-----------------------------------------------------------------|--------|----------------|-------------|-------------|-------------------|---------------|----------|------------|-------|-----|-----|------------------------|------------------|-------------|-------------------------|--------------------------|------------|-------|-----|-----|------------------------|----------------|-------------------|-------|
| UNIT IDENTIFICATION                                             |        |                | PERFORMANCE |             | INDOOR UNIT       |               |          |            |       |     |     |                        | OUTDOOR UNIT     |             |                         |                          |            |       |     |     |                        |                | MANUFACTURER      | NOTES |
| MARK                                                            | NUMBER | ROOM(S) SERVED | SEER        | REFRIG TYPE | TOTAL CAPACITY... | AIRFLOW (CFM) | MOUNTING | ELECTRICAL |       |     |     | OPERATING WEIGHT (LBS) | MODEL NUMBER     | NO. OF COMP | AMBIENT DESIGN TEMP (F) | MINIMUM AMBIENT TEMP (F) | ELECTRICAL |       |     |     | OPERATING WEIGHT (LBS) | MODEL NUMBER   |                   |       |
|                                                                 |        |                |             |             |                   |               |          | VOLTS      | PHASE | MCA | MOP |                        |                  |             |                         |                          | VOLTS      | PHASE | MCA | MOP |                        |                |                   |       |
| ACI/ACO                                                         | 1      | 106            | 17.6        | R410        | 42000             | 1025          | CEILING  | 208        | 1     | 1   | 30  | 86                     | TPCA0A0421K A70A | 1           | 115                     | -40                      | 208        | 1     | 25  | 31  | 211                    | TRUYA0421K A70 | TRANE-MITSUBIS HI | 1     |
| ACI/ACO                                                         | 2      | 106            | 17.6        | R410        | 42000             | 1025          | CEILING  | 208        | 1     | 1   | 30  | 86                     | TPCA0A0421K A70A | 1           | 115                     | -40                      | 208        | 1     | 25  | 31  | 211                    | TRUYA0421K A70 | TRANE-MITSUBIS HI | 1     |
| 1. COOLING ONLY, WIRED T'STAT, CONDENSATE PUMP, LOW AMBIENT KIT |        |                |             |             |                   |               |          |            |       |     |     |                        |                  |             |                         |                          |            |       |     |     |                        |                |                   |       |

1. COOLING ONLY, WIRED T"STAT, CONDENSATE PUMP, LOW AMBIENT KIT

| FAN SCHEDULE        |        |                      |                   |                   |             |           |             |                    |           |      |             |            |            |       |                         |              |                   |       |  |  |  |  |  |  |  |  |  |
|---------------------|--------|----------------------|-------------------|-------------------|-------------|-----------|-------------|--------------------|-----------|------|-------------|------------|------------|-------|-------------------------|--------------|-------------------|-------|--|--|--|--|--|--|--|--|--|
| UNIT IDENTIFICATION |        |                      | MAX AIRFLOW (CFM) | MIN AIRFLOW (CFM) | ESP (IN-WG) | FAN WHEEL |             |                    | FAN MOTOR |      |             |            | ELECTRICAL |       | OPERATING WEIGHT (LBS.) | MANUFACTURER | MODEL NUMBER      | NOTES |  |  |  |  |  |  |  |  |  |
| MARK                | NUMBER | UNIT/AREA SERVED     |                   |                   |             | TYPE      | SPEED (RPM) | MIN WHEEL DIA (IN) | BHP       | HP   | SPEED (RPM) | DRIVE TYPE | VOLTS      | PHASE |                         |              |                   |       |  |  |  |  |  |  |  |  |  |
| EF                  | 1      | CHLORINE ROOM 105    | 1100              | 1100              | 0.4         | DIRECT    | 1529        | 10                 | 0.22      | 1/4  | 1529        | DIRECT     | 120        | 1     | 44                      | GREENHECK    | CUE-099-VG        | 1,2,6 |  |  |  |  |  |  |  |  |  |
| EF                  | 2      | POTASSIUM 106        | 200               | 200               | 0.35        | DIRECT    | 1595        | 7                  | 0.02      | 1/15 | 1595        | DIRECT     | 120        | 1     | 22                      | GREENHECK    | CUE-070-VG        | 1,2,6 |  |  |  |  |  |  |  |  |  |
| EF                  | 3      | FLUORIDE 107         | 200               | 200               | 0.35        | DIRECT    | 1595        | 7                  | 0.02      | 1/15 | 1595        | DIRECT     | 120        | 1     | 22                      | GREENHECK    | CUE-070-VG        | 1,2,6 |  |  |  |  |  |  |  |  |  |
| EF                  | 4      | RESTROOM 103         | 50                | 50                | 0.25        | DIRECT    | 685         | -                  | -         | -    | 685         | DIRECT     | 120        | 1     | 8                       | GREENHECK    | SP-1P0511-1       |       |  |  |  |  |  |  |  |  |  |
| EF                  | 5      | FILTERS 113-116      | 2100              | 1100              | 0.65        | DIRECT    | 1423        | 13                 | 0.51      | 3/4  | 1423        | DIRECT     | 480        | 3     | 70                      | GREENHECK    | CUE-140-VG        | 2,5   |  |  |  |  |  |  |  |  |  |
| SF                  | 1      | PUMP ROOM 110        | 3600              | 3600              | 0.25        | DIRECT    | 1207        | 24                 | 0.29      | 1/2  | 1207        | DIRECT     | 120        | 1     | 69                      | GREENHECK    | AER-24-03-0315-VG | 4,6   |  |  |  |  |  |  |  |  |  |
| SF                  | 2      | WELL 7 PUMP ROOM 104 | 1800              | 1800              | 0.35        | DIRECT    | 1066        | 20                 | 0.15      | 1/2  | 1066        | DIRECT     | 120        | 1     | 67                      | GREENHECK    | AER-20-03-0620-VG | 4,6   |  |  |  |  |  |  |  |  |  |
| SF                  | 3      | AERATOR ROOM 301     | 1600              | 1600              | 0.25        | DIRECT    | 911         | 20                 | 0.14      | 1/2  | 911         | DIRECT     | 120        | 1     | 67                      | GREENHECK    | AER-20-03-0620-VG | 4,6   |  |  |  |  |  |  |  |  |  |
| SF                  | 4      | PIPE GALLERY 112     | 1300              | 1300              | 0.25        | DIRECT    | 1012        | 20                 | 0.13      | 1/4  | 1012        | DIRECT     | 120        | 1     | 67                      | GREENHECK    | AER-20-03-610-VG  | 4,6   |  |  |  |  |  |  |  |  |  |
| SF                  | 5      | BLOWER/MECH 202      | 1300              | 1300              | 0.25        | DIRECT    | 1012        | 20                 | 0.13      | 1/4  | 1012        | DIRECT     | 120        | 1     | 67                      | GREENHECK    | AER-20-03-610-VG  | 4,6   |  |  |  |  |  |  |  |  |  |

- NOTES:
- COAT AIRSTREAM SURFACES WITH EPOXY COATING
  - COAT EXTERIOR WITH POWDER COATING, STANDARD COLOR PER ARCHITECT
  - PROVIDE MOTORIZED DAMPER
  - PROVIDE OSHA GUARD
  - PROVIDE VFD
  - PROVIDE SOLID STATE SPEED CONTROL FOR BALANCING

| GAS UNIT HEATER SCHEDULE |        |             |         |                |             |     |               |         |         |           |              |                |            |       |                         |              |              |         |  |  |  |  |  |  |  |  |  |
|--------------------------|--------|-------------|---------|----------------|-------------|-----|---------------|---------|---------|-----------|--------------|----------------|------------|-------|-------------------------|--------------|--------------|---------|--|--|--|--|--|--|--|--|--|
| UNIT IDENTIFICATION      |        |             | TYPE    | CAPACITY (MBH) | FAN         |     | AIR           |         |         | GAS INPUT |              |                | ELECTRICAL |       | OPERATING WEIGHT (LBS.) | MANUFACTURER | MODEL NUMBER | NOTES   |  |  |  |  |  |  |  |  |  |
| MARK                     | NUMBER | ROOM SERVED |         |                | SPEED (RPM) | HP  | AIRFLOW (CFM) | EDB (F) | LDB (F) | MBH       | NO OF STAGES | VENT SIZE (IN) | VOLTS      | PHASE |                         |              |              |         |  |  |  |  |  |  |  |  |  |
| UH                       | 1      | 104         | CEILING | 24.6           | 1550        | .06 | 456           |         |         | 30        | 1            | 4              | 120        | 1     | 58                      | REZNOR       | UDZ 30       | 1,2,3,4 |  |  |  |  |  |  |  |  |  |
| UH                       | 2      | 110         | CEILING | 37.3           | 1550        | .06 | 629           |         |         | 45        | 1            | 4              | 120        | 1     | 63                      | REZNOR       | UDZ 45       | 1,2,3,4 |  |  |  |  |  |  |  |  |  |
| UH                       | 3      | 112         | CEILING | 49.8           | 1550        | .06 | 769           |         |         | 60        | 1            | 4              | 120        | 1     | 71                      | REZNOR       | UDZ 60       | 1,2,3,4 |  |  |  |  |  |  |  |  |  |
| UH                       | 4      | 203         | CEILING | 62.2           | 1550        | .06 | 961           |         |         | 75        | 1            | 4              | 120        | 1     | 77                      | REZNOR       | UDZ 75       | 1,2,3,4 |  |  |  |  |  |  |  |  |  |
| UH                       | 5      | 203         | CEILING | 62.2           | 1550        | .06 | 961           |         |         | 75        | 1            | 4              | 120        | 1     | 77                      | REZNOR       | UDZ 75       | 1,2,3,4 |  |  |  |  |  |  |  |  |  |
| UH                       | 6      | 301         | CEILING | 62.2           | 1550        | .06 | 961           |         |         | 75        | 1            | 4              | 120        | 1     | 77                      | REZNOR       | UDZ 75       | 1,2,3,4 |  |  |  |  |  |  |  |  |  |

- NOTES:
- PROVIDE WITH HORIZONTAL COMBUSTION / AIR VENT KIT INCLUDING CONCENTRIC ADAPTER.
  - PROVIDE WITH WALL MOUNTED THERMOSTAT (24V).
  - PROVIDE WITH CEILING SUSPENSION KIT.
  - PROVIDE WITH FAN MOTOR ENCLOSURE.

| AIR COOLED CONDENSING UNIT SCHEDULE |          |                         |                       |                       |             |                 |         |                  |    |       |      |        |       |                      |
|-------------------------------------|----------|-------------------------|-----------------------|-----------------------|-------------|-----------------|---------|------------------|----|-------|------|--------|-------|----------------------|
| MARK                                | LOCATION | AREA AND/OR BLDG SERVED | SYSTEM AND/OR SERVICE | NOMINAL COOLING (MBH) | REFRIGERANT | OA TEMP (DEG F) | MIN EER | COMPRESSOR MOTOR |    |       |      | MANUF. | MODEL | REMARKS              |
|                                     |          |                         |                       |                       |             |                 |         | # COMP           | HZ | PHASE | VOLT |        |       |                      |
| CU-1                                | GRADE    | OFFICE/LAB              | AHU-3                 | 18                    | R-410A      | 95              |         | 1                | 60 | 1     | 208  |        |       | MCA 13.2A , MOCp 20A |
| NOTES:                              |          |                         |                       |                       |             |                 |         |                  |    |       |      |        |       |                      |

| GRILLE, REGISTER, DIFFUSER SCHEDULE |                         |                         |                   |               |          |           |              |              |         |  |
|-------------------------------------|-------------------------|-------------------------|-------------------|---------------|----------|-----------|--------------|--------------|---------|--|
| UNIT IDENTIFICATION                 | DIFFUSER FACE SIZE (IN) | DIFFUSER NECK SIZE (IN) | FLOW PATTERN      | MOUNTING TYPE | MATERIAL | ACCESSORY | MANUFACTURER | MODEL NUMBER | NOTES   |  |
| MARK                                |                         |                         |                   |               |          |           |              |              |         |  |
| A                                   | PER PLANS               | PER PLANS               | DOUBLE DEFLECTION | DUCT          | STEEL    | OBD       | TITUS        | 300 FS       | 1, 2, 3 |  |
| B                                   | PER PLANS               | PER PLANS               | DOUBLE DEFLECTION | WALL          | STEEL    | OBD       | TITUS        | 300 FS       | 1, 2, 3 |  |
| C                                   | PER PLANS               | PER PLANS               | --                | DUCT          | STEEL    |           | TITUS        | 350ZRL       | 1, 2, 3 |  |
| D                                   | PER PLANS               | PER PLANS               | --                | WALL          | STEEL    |           | TITUS        | 350ZRL       | 1, 2, 3 |  |
| E                                   | 12X12                   | PER PLANS               | 4-WAY             | TILE CEILING  | STEEL    |           | TITUS        | MCD          | 1, 2, 3 |  |
| F                                   | PER PLANS               | PER PLANS               | --                | TILE CEILING  | ALUMINUM |           | TITUS        | 50F          | 1, 2, 3 |  |

- NOTES:
- REFER TO REFLECTED CEILING PLANS EXACT LOCATION. PROVIDE ALL FRAMES AND ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION.
  - FLEXIBLE DUCTWORK SHALL BE THE SAME SIZE AS THE DIFFUSER NECK OR AN EQUIVALENT ROUND DUCT. FLEXIBLE DUCTWORK SHALL BE SUPPORTED TO PREVENT KINKS OR BENDS.
  - COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD COLORS.

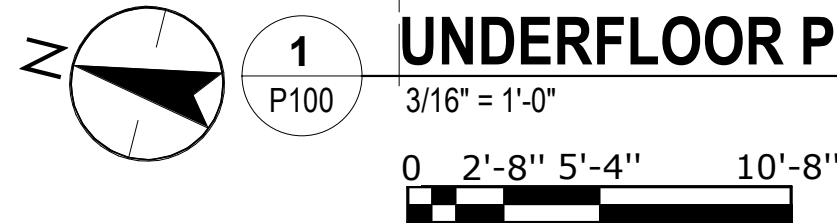
| ELECTRIC UNIT HEATER SCHEDULE |        |             |            |             |      |               |          |            |       |       |      |               |                         |              |              |       |  |
|-------------------------------|--------|-------------|------------|-------------|------|---------------|----------|------------|-------|-------|------|---------------|-------------------------|--------------|--------------|-------|--|
| UNIT IDENTIFICATION           |        |             | TYPE       | FAN         |      | AIR           |          | ELECTRICAL |       |       |      | CONTROL VOLTS | OPERATING WEIGHT (LBS.) | MANUFACTURER | MODEL NUMBER | NOTES |  |
| MARK                          | NUMBER | ROOM SERVED |            | SPEED (RPM) | HP   | AIRFLOW (CFM) | RISE (F) | KW         | VOLTS | PHASE | AMPS |               |                         |              |              |       |  |
| EUH                           | 1      |             | HORIZONTAL | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 2      | 105         | VERTICAL   | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 3      | 106         | VERTICAL   | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 4      | 107         | VERTICAL   | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 5      | 108         | HORIZONTAL | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 6      | 109         | HORIZONTAL | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 7      | STAIR B     | HORIZONTAL | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
| EUH                           | 8      | 202         | HORIZONTAL | 1,550       | 1/35 | 380           | 42.0     | 5.0        | 480   | 3     | 6.3  | 24            | 32                      | CHROMALOX    | HVH-05-43-30 | 1,2,3 |  |
|                               |        |             |            |             |      |               |          |            |       |       |      |               |                         |              |              |       |  |







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$$3/16'' = 1'-0''$$

0 2'-8" 5'-4" 10'-8"

- ## SHEET NOTES

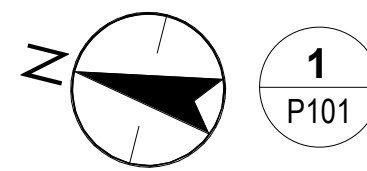
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
UNDERFLOOR PLUMBING PLAN

SHEET NUMBER  
P100





Plot Date: 5/10/2023 12:37:58 PM  
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- KEYNOTES  X

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

PRINT NAME: JEREMY L REED

SIGNATURE: *Jeremy Reed*

DATE: 05/09/2023 LIC. NO. 53856

| NO.                  | REVISION  | DATE |
|----------------------|-----------|------|
| X                    | X         | X    |
|                      |           |      |
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| SURVEY               | -         |      |
| DRAWN                | FE        |      |
| DESIGNED             | JR        |      |
| CHECKED              | JR        |      |
| APPROVED             | JR        |      |
| PROJ. NO.            | 193805386 |      |
| SHEET NUMBER<br>P101 |           |      |

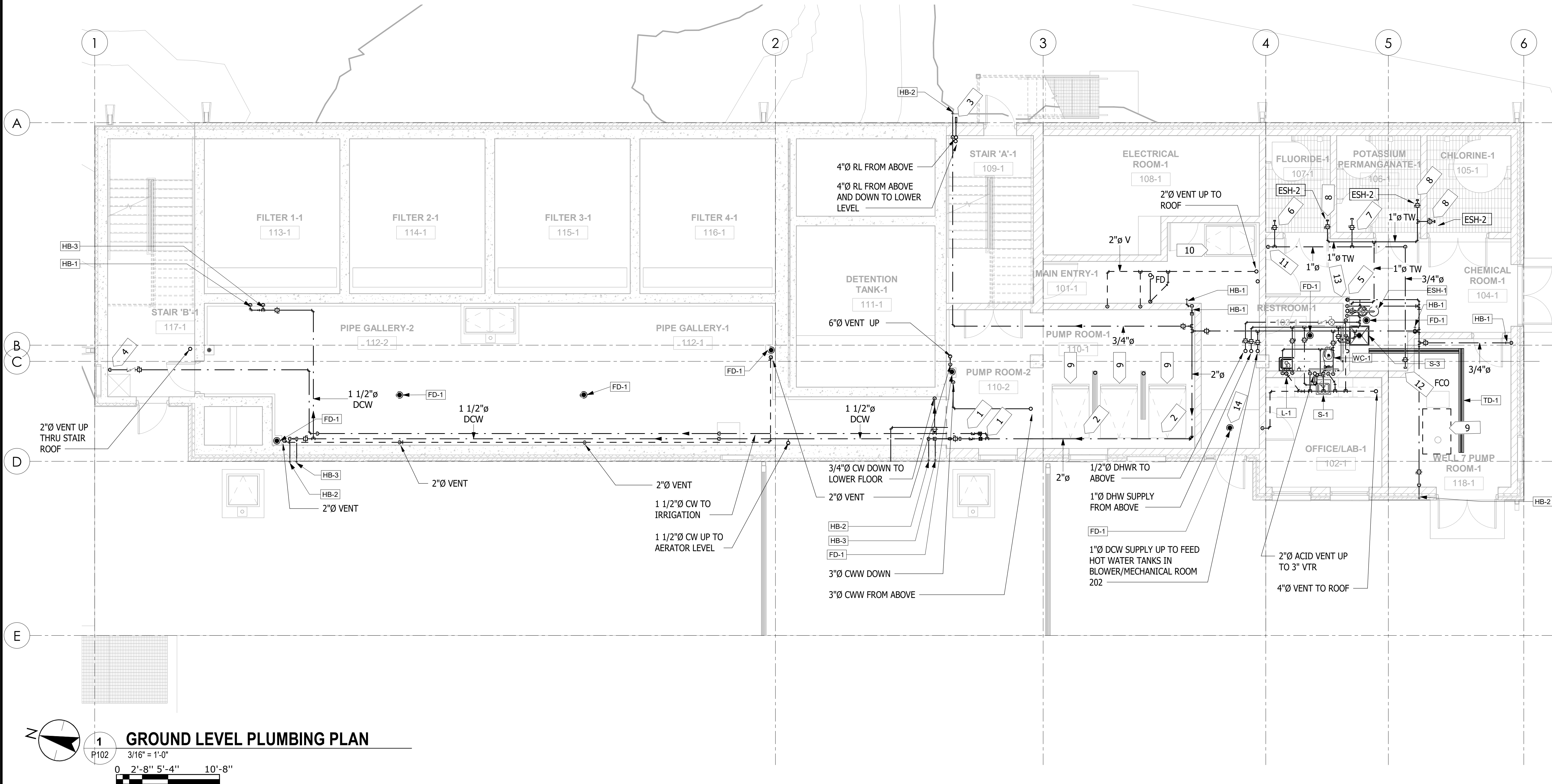


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1. SLOPE ALL SANITARY AND CWW AT 1/4" PER FOOT
2. FOR DCW & DHW ISOMETRIC SEE 1/P503
3. FOR SANITARY AND CWW ISOMETRIC SEE 1/P504
4. FOR EMERGENCY SHOWER SEE 9/P501 AND 2/P501
5. FOR FLOOR DRAINS SEE 5/P501
6. FOR TRENCH DRAINS SEE 6/P501
7. FOR TRAP PRIMER SEE 10/P501
8. FOR VTR SEE 3/P501
9. FOR LAB SINK AND ACID NEUTRALIZER SEE 1/P502
10. FOR HB-3 SEE 6/P502

1. PRESSURE VACCUM BREAKER.
2. OFFSET PIPE AROUND HATCH. TYPICAL
3. TERMINATE ROOF OVERFLOW IN DOWNSPOUT SEE ARCH.
4. TO IRRIGATION SYSTEM, FOR BLOWDOWN DETAIL SEE 3/P502
5. 3/4" DCW TO DROP DOWN TO LOWER LEVEL TO FEED HOSE BIBB ON LOWER FLOOR
6. 1" DCW WITH ISOLATION VALVE, STUB INTO FLUORIDE ROOM FOR FUTURE CHEMICAL PROCESSES EQUIPMENT BY OTHERS
7. 3/4" DCW WITH ISOLATION VALVE STUB INTO PERMANGANATE ROOM FOR FUTURE CHEMICAL PROCESS EQUIPMENT BY OTHERS
8. 1" TEMPERED WATER FROM ESH-1 MIXING VALVE WITH ISOLATION VALVE TO ESH-2. LOCATE FLOW SWITCH 219 ON OUTLET TEMPERING VALVE SEE I/DRAWING N722
9. ACCESS HATCH IN CIELING DO NOT ROUTE PIPE OR DUCT ACROSS OPENING

10. ACCESS HATCH IN FLOOR DO NOT ROUTE PIPE OR DUCT ACROSS OPENING
11. FUTURE BACKFLOW PREVENTOR FOR FUTURE CHEMICAL FEED PROVIDE 24" STRAIGHT LENGTH OF PIPE AT 48" A.F.F.
12. 3/4" WITH ISOLATION VALVE AND CAP. FOR FUTURE CHEMICAL PROCESS EQUIPMENT BY OTHERS.
13. LOCATE FLOW SWITCH 219 ON OUTLET OF TEMPERING VALVE SEE I/DRAWING N722
14. CONNECT FLOOR DRAIN TO TRAP PRIMER



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| SURVEY    | -         |      |
| DRAWN     | FE        |      |
| DESIGNED  | JR        |      |
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| PROJ. NO. | 193805386 |      |

SHEET NUMBER

# P102

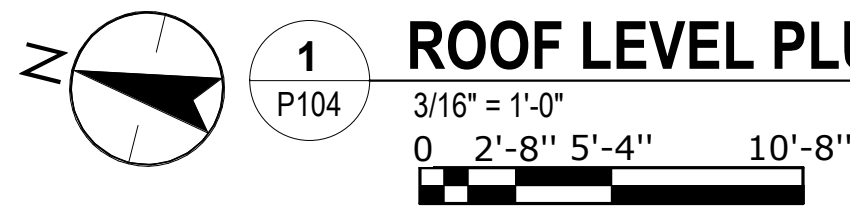
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
GROUND LEVEL PLUMBING PLAN







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3/16" = 1'-0"  
0 2'-8" 5'-4" 10'-8"

SIGNATURE: Jeremy Allen  
DATE: 05/09/2023 LIC. NO. 53856

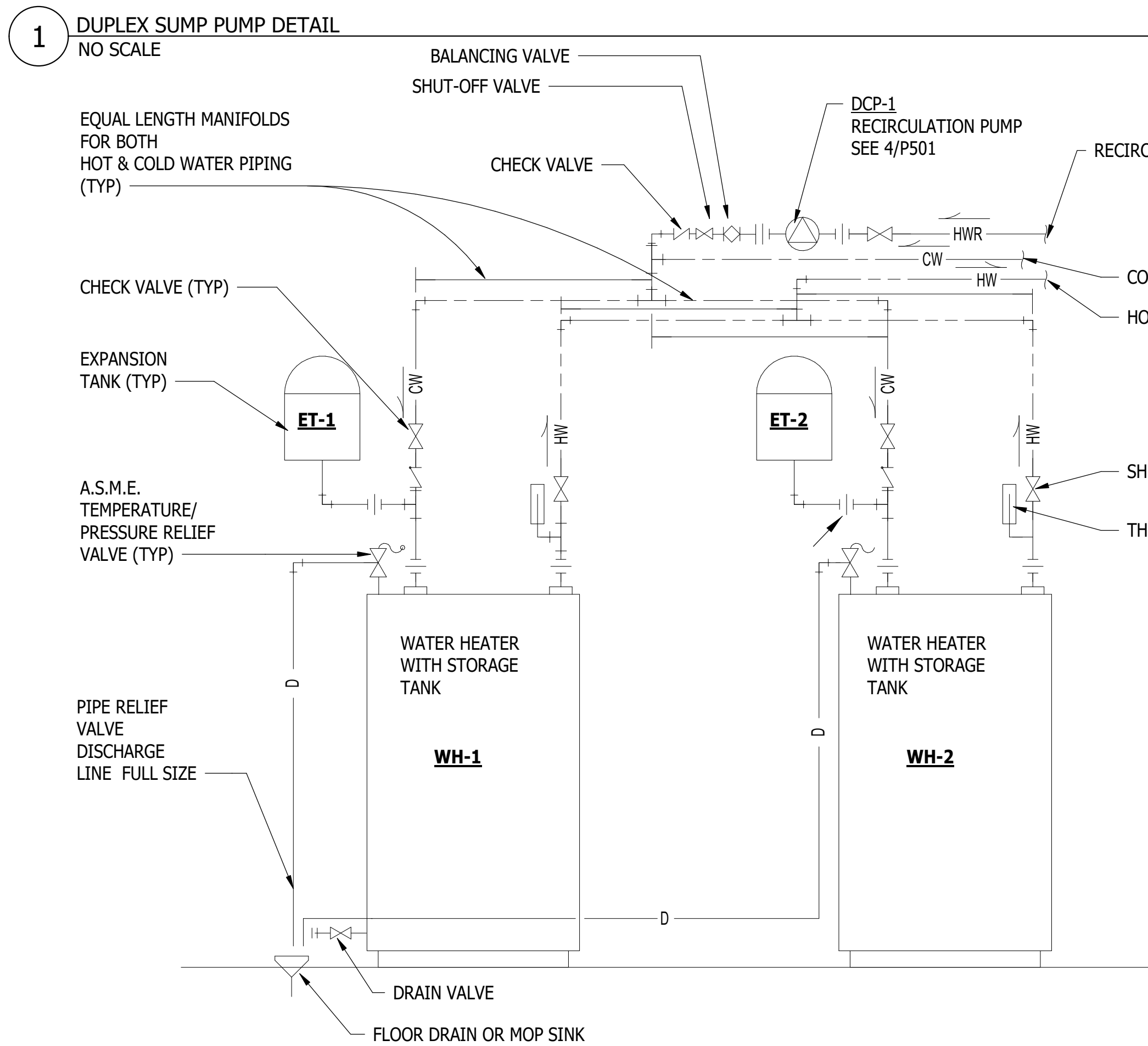
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| DRAWN     | FE       |      |
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| PROJ. NO. | 19380538 |      |





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1-1/4" IPS SUPPLY

S.S.T.L. PULL ROD W/ TRIANGULAR HANDLE

1"

SHOWER VALVE - 1" IPS STAY-OPEN BALL VALVE

SHOWER HEAD - 10" DIA. IMPACT RESISTANT PLASTIC OR CORROSION-RESISTANT STAINLESS STEEL

1-1/4" IPS SUPPLY

1-1/4" S. STL. OR GALV. STL. PROTECTED W/ SAFETY YELLOW COATING

SPRAYHEAD ASSEMBLY W/ RUBBER POP-OFF DUST COVERS

EYEWASH BOWL - 10" DIA. IMPACT RESISTANT PLASTIC OR CORROSION RESISTANT S.STL.

1-1/4"

EYE WASH VALVE - 1/2" IPS STAY-OPEN BALL VALVE HAND OPERATED BY S. STL. PUSH FLAG HANDLE

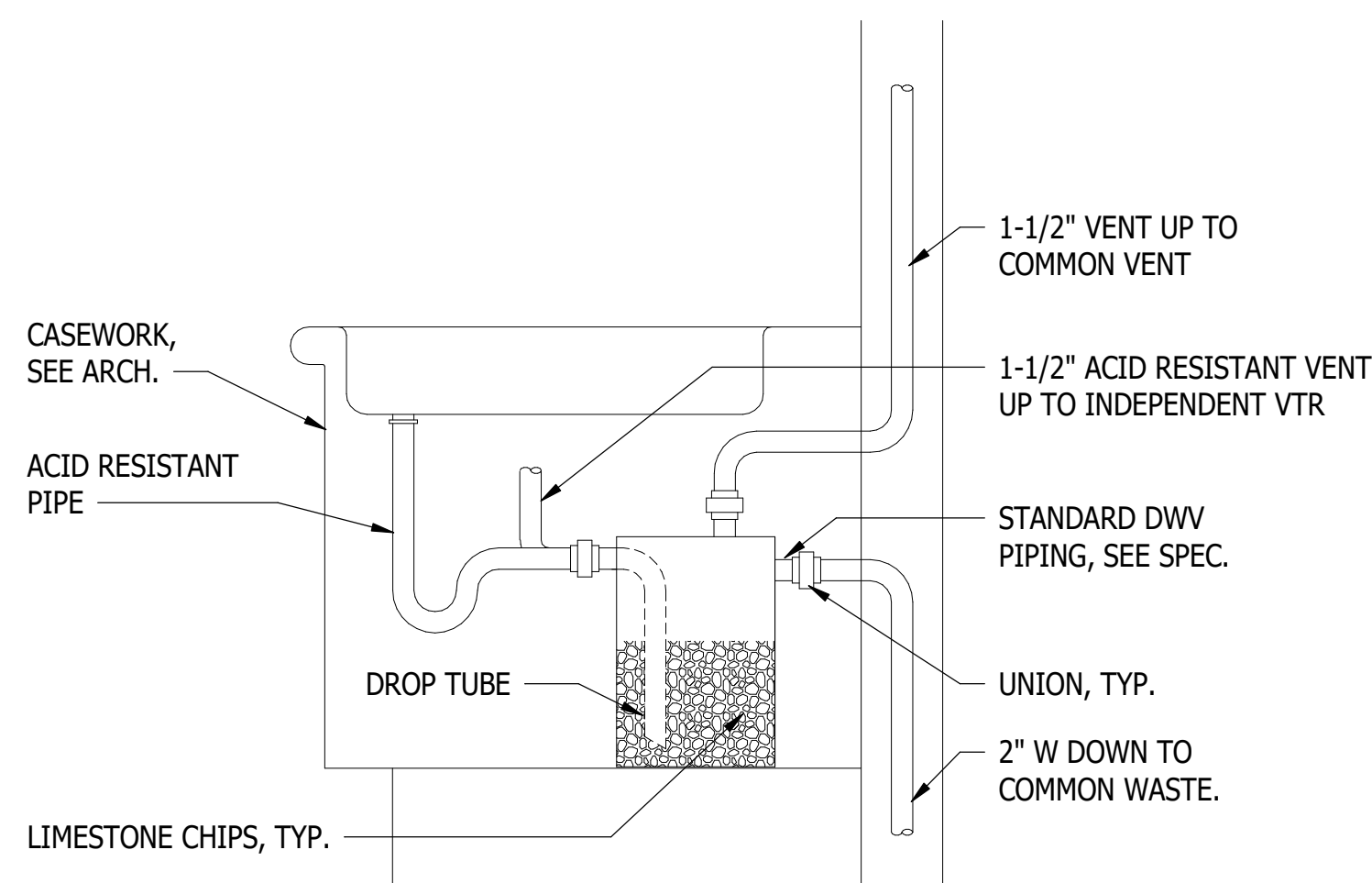
1-1/4" IPS WASTE

7 FLOOR CLEANOUT-FINISHED ROOM  
NO SCALE

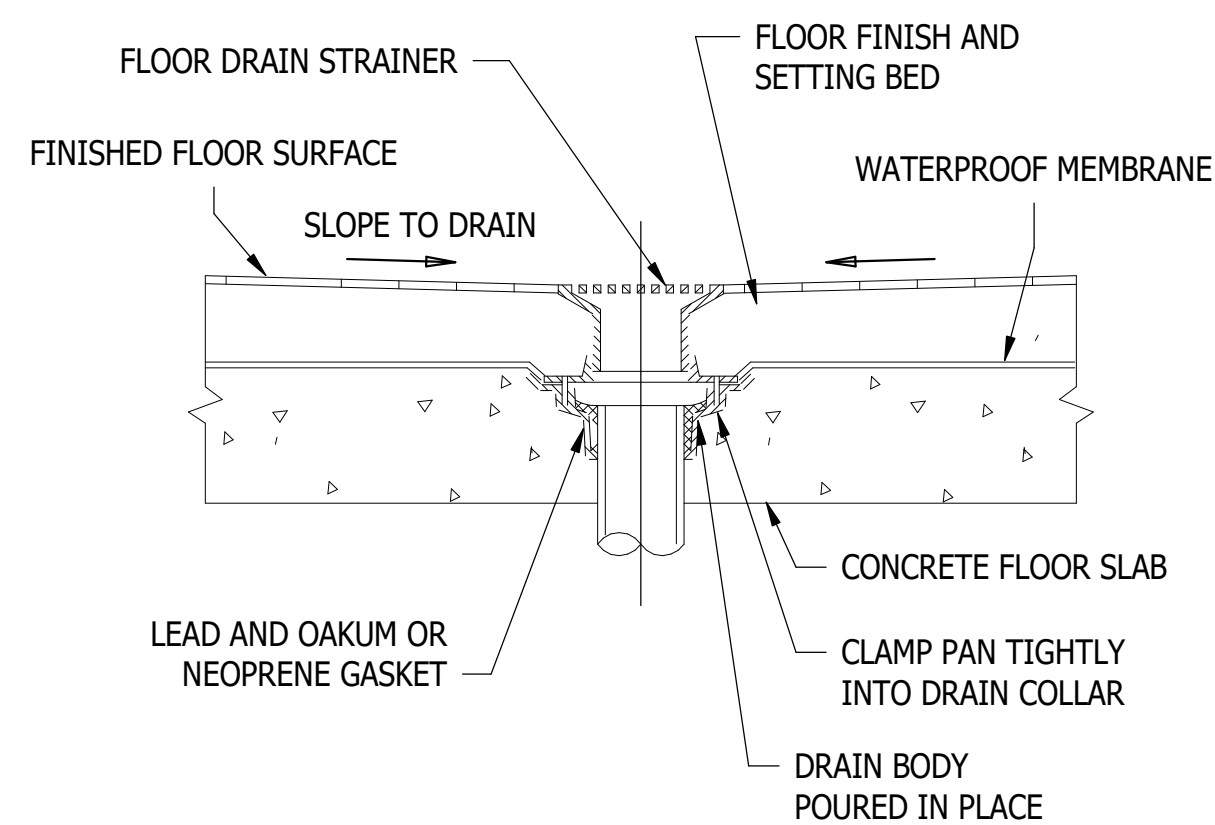
Diagram illustrating the installation of a trap primer system:

- BALL VALVE**: Located at the top of the trap primer supply line.
- 1/2" TRAP PRIMER SUPPLY CONNECT TO TOP OF LINE**: The connection point for the trap primer supply line.
- SOMETHING**: A component (likely a check valve or air break) located below the ball valve.
- TRAP PRIMER VALVE LOCATE 12" MIN. ABOVE FLOOR**: The main trap primer valve assembly.
- DOMESTIC WATER LINE**: The main water supply line.
- DISTRIBUTION UNIT AS REQUIRED**: A component that distributes the trap primer fluid to the various traps.
- 1/2" TRAP PRIMER LINE**: The line that carries the trap primer fluid to the traps.
- FLOOR DRAIN**: The drain opening in the floor.
- FLOOR**: The floor surface.
- SLEEVE THRU FLOOR**: The penetration point for the trap primer line through the floor.

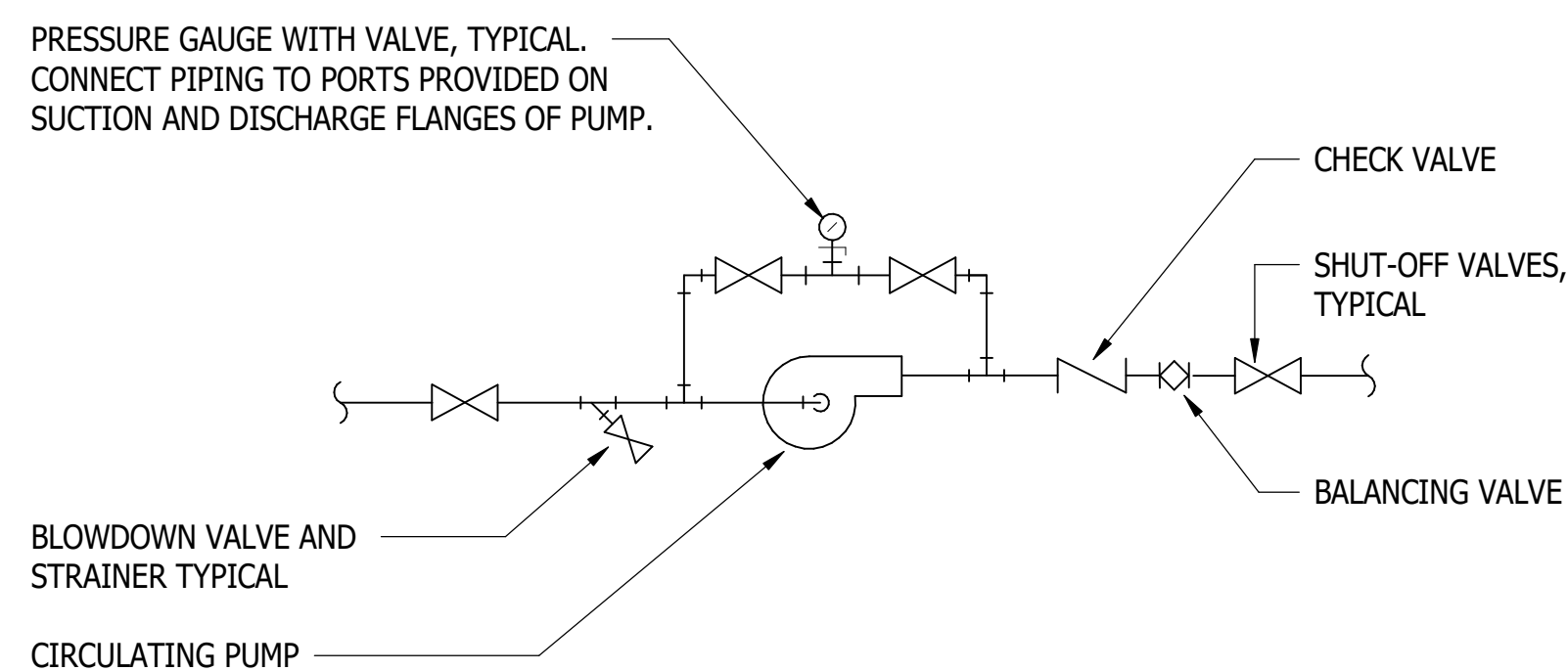




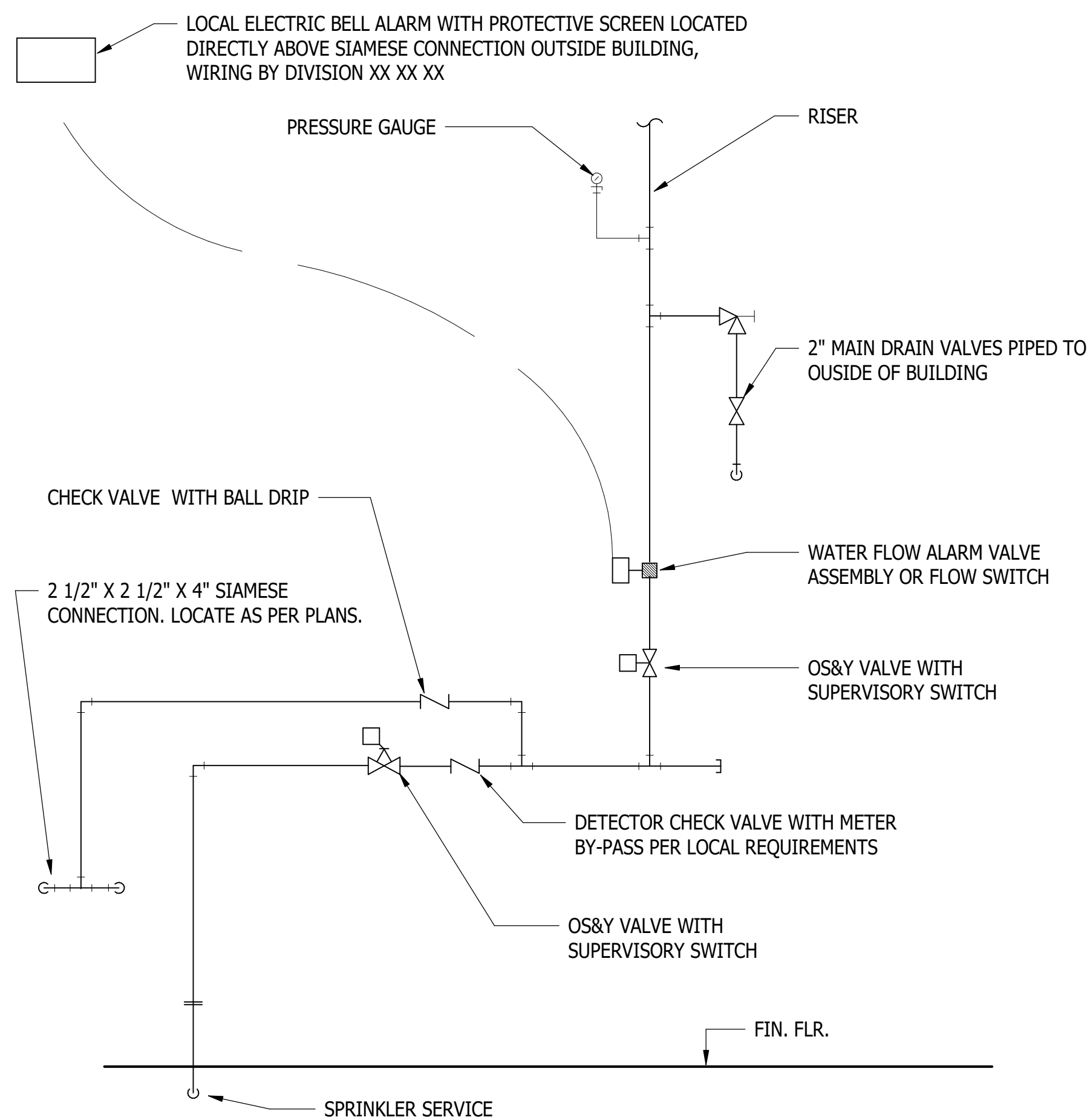
1 LAB SINK NEUTRALIZING TANK  
NO SCALE



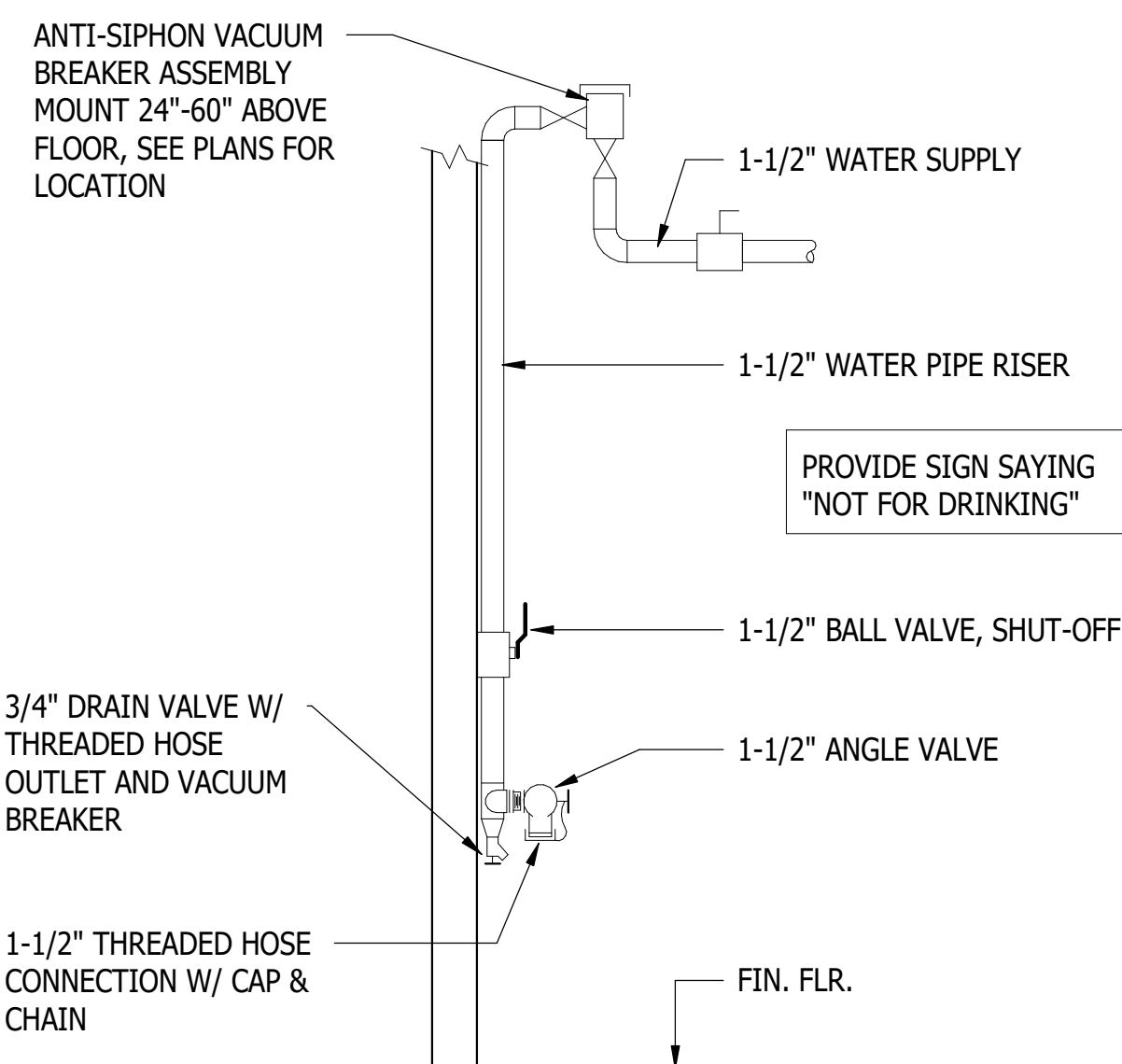
5 FLOOR DRAIN  
NO SCALE



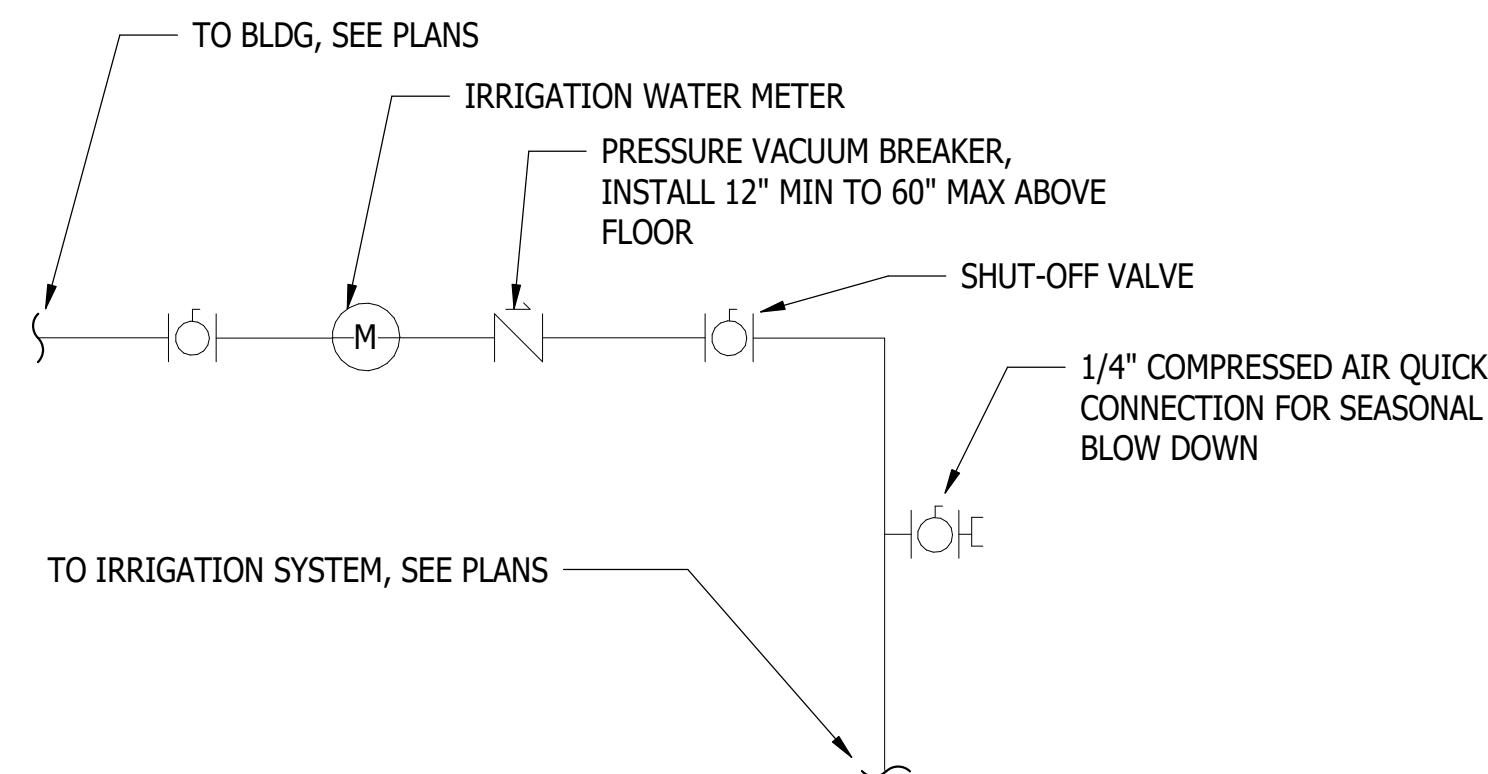
7 CIRCULATING PUMP DETAIL  
NO SCALE



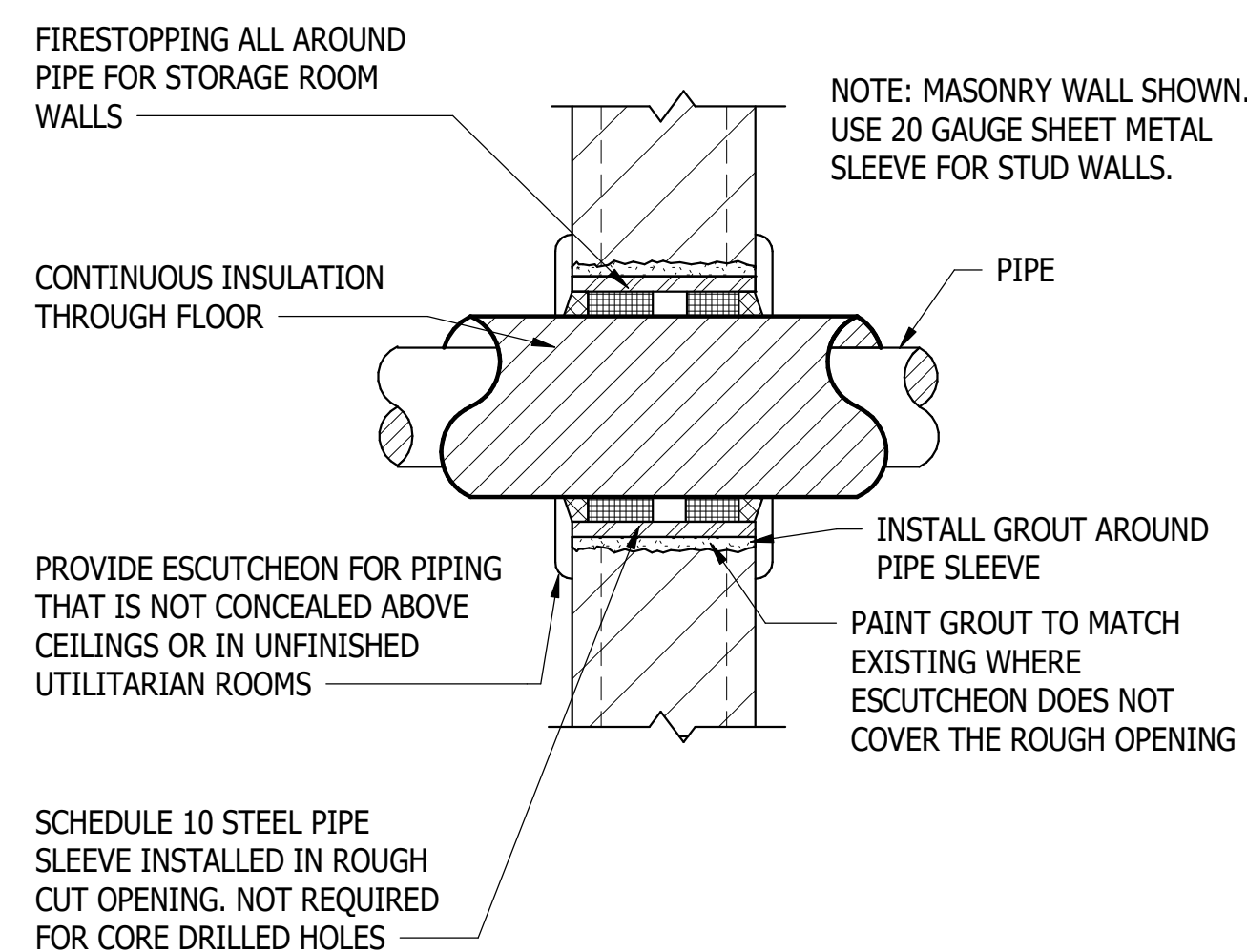
2 SPRINKLER PIPING SCHEMATIC  
NO SCALE



6 HIGH FLOW HYDRANT  
NO SCALE



3 IRRIGATION WATER METER  
NO SCALE



4 WALL PENETRATION  
NO SCALE

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.

PRINT NAME: JEROME L REED

SIGNATURE: *Jerome L Reed*

DATE: 05/09/2023 LIC. NO. 53856

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
PLUMBING DETAILS

| NO.       | REVISION | DATE      |
|-----------|----------|-----------|
| X         | X        | X         |
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| SURVEY    |          | -         |
| DRAWN     |          | FE        |
| DESIGNED  |          | JR        |
| CHECKED   |          | JR        |
| APPROVED  |          | JR        |
| PROJ. NO. |          | 193805386 |

SHEET NUMBER  
P502











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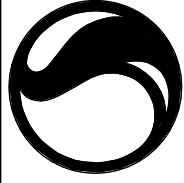
| EXPANSION TANK SCHEDULE |         |              |           |       |              |                  |                 |       |                    |         |
|-------------------------|---------|--------------|-----------|-------|--------------|------------------|-----------------|-------|--------------------|---------|
| MARK                    | SERVICE | MANUFACTURER | MODEL NO. | FLUID | VOLUME (GAL) | ACCEPTANCE (GAL) | PRECHARGE (PSI) | LABEL | DIMENSIONS         | REMARKS |
| ET-1                    | WH-1    | AMTROL       | ST-12C    | WATER | 6.4          | 3.2              | 40              | NSF   | 11" DIA X 15" TALL |         |
| ET-2                    | WH-2    | AMTROL       | ST-12C    | WATER | 6.4          | 3.2              | 40              | NSF   | 11" DIA X 15" TALL |         |

| DOMESTIC WATER HEATER SCHEDULE                                             |        |          |           |         |         |                |                |            |    |                |      |       |              |              |       |
|----------------------------------------------------------------------------|--------|----------|-----------|---------|---------|----------------|----------------|------------|----|----------------|------|-------|--------------|--------------|-------|
| UNIT IDENTIFICATION                                                        |        |          | TEMP RISE | EWT (F) | LWT (F) | GALLON STORAGE | RECOVERY (GPH) | ELECTRICAL |    |                |      |       | MANUFACTURER | MODEL NUMBER | NOTES |
| MARK                                                                       | NUMBER | LOCATION |           |         |         |                |                | VOLTS      | KW | NO OF ELEMENTS | FLA  | PHASE |              |              |       |
| WH                                                                         | 1      | ROOM 202 | 90        | 50      | 140     | 119            | 54             | 480        | 6  | 2              | 21.6 | 3     | AO SMITH     | DEL-120      | 1     |
| WH                                                                         | 2      | ROOM 202 | 90        | 50      | 140     | 119            | 54             | 480        | 6  | 2              | 21.6 | 3     | AO SMITH     | DEL-120      | 1     |
| NOTES:                                                                     |        |          |           |         |         |                |                |            |    |                |      |       |              |              |       |
| 1. UPPER & LOWER ELEMENTS WITH INDEPENDENT T'STAT, SIMULATANEOUS OPERATION |        |          |           |         |         |                |                |            |    |                |      |       |              |              |       |

| DOMESTIC WATER PUMP SCHEDULE                   |          |                |       |             |      |                         |       |            |      |       |     |         |
|------------------------------------------------|----------|----------------|-------|-------------|------|-------------------------|-------|------------|------|-------|-----|---------|
| MARK                                           | LOCATION | SERVES         | MANUF | MODEL       | GPM  | PRESSURE CHANGE (FT HD) | FLUID | ELECTRICAL |      |       |     | REMARKS |
|                                                |          |                |       |             |      |                         |       | WATTS      | VOLT | PHASE | VFD |         |
| DCP-1                                          | ROOM 202 | DOMESTIC WATER | B&G   | E3-4N/BSPRZ | 2.00 | 3                       | WATER | 28         | 120  | 1     | NO  | 1       |
| 1. INTEGRAL THERMOSTAT CONTROLS, PLUG AND CORD |          |                |       |             |      |                         |       |            |      |       |     |         |

| PLUMBING FIXTURE SCHEDULE |                               |                 |                |                 |                |                     |                 |                                                      |
|---------------------------|-------------------------------|-----------------|----------------|-----------------|----------------|---------------------|-----------------|------------------------------------------------------|
| MARK                      | DESCRIPTION                   | WASTE PIPE (IN) | VENT PIPE (IN) | COLD WATER (IN) | HOT WATER (IN) | TEMPERED WATER (IN) | ELECTRIC SENSOR | REMARKS                                              |
| WC-1                      | FLOOR MOUNTED WATER CLOSET    | 4               | 2              | 1-1/4           | N/A            | -                   | NO              |                                                      |
| L-1                       | ACCESSIBLE WALL HUNG LAVATORY | 1-1/2           | 1-1/4          | 1/2             | 1/2            | -                   | NO              | ASSE1070 TEMPERING VALVE 1/2" WATTS LFMMV            |
| S-1                       | LAB SINK                      | 1-1/2           | 1-1/2          | 1/2             | 1/2            | -                   | NO              | ACID NEUTRALIZING TANK                               |
| S-3                       | FLOOR MOUTED SERVICE SINK     | 3               | 1-1/2          | 3/4             | 3/4            | -                   | NO              |                                                      |
| ESH-1                     | EMERGENCY SHOWER/EYEWASH      | -               | -              | N/A             | N/A            | 1-1/4               | YES             | TEMPERED WATER FROM THERMOSTATIC MIXING VALVE, ALARM |
| ESH-2                     | EYEWASH/DRENCH HOSE           | -               | -              | -               | -              | 1                   | YES             | TEMPERED WATER FROM THERMOSTATIC MIXING VALVE, ALARM |
| HB-1                      | HOSE BIBB - INDOOR            | -               | -              | 1/2             | -              | -                   | NO              |                                                      |
| HB-2                      | HOSE BIBB - FROST PROOF       | -               | -              | 1/2             | -              | -                   | NO              |                                                      |
| HB-3                      | HOSE BIBB - FIRE HOSE         | -               | -              | 1-1/2           | -              | -                   | NO              |                                                      |
| FD-1                      | FLOOR DRAIN                   | 2               | 1-1/2          | -               | -              | -                   | NO              |                                                      |
| TD-1                      | TRENCH DRAIN                  | 4               | 2              | -               | -              | -                   | NO              |                                                      |

| SUMP PUMP SCHEDULE                                                                                                                                                                                                                    |          |               |            |           |     |            |       |              |              |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|------------|-----------|-----|------------|-------|--------------|--------------|-------|
| UNIT IDENTIFICATION                                                                                                                                                                                                                   |          |               | FLOW (GPM) | HEAD (FT) | HP  | ELECTRICAL |       | MANUFACTURER | MODEL NUMBER | NOTES |
| MARK                                                                                                                                                                                                                                  | LOCATION | SYSTEM SERVED |            |           |     | VOLTS      | PHASE |              |              |       |
| SP-1                                                                                                                                                                                                                                  | ROOM 002 | CWW           | 45         | 20        | 1/2 | 120        |       | 1 ZOELLER    | N137         | 1,2,3 |
| SP-2                                                                                                                                                                                                                                  | ROOM 002 | CWW           | 45         | 20        | 1/2 | 120        |       | 1 ZOELLER    | N137         | 1,2,3 |
| NOTES:<br>1. SP-1 AND SP-2 OPERATE LEAD-LAG<br>2. PROVIDE WITH REMOTE MOUNTED SUMP PUMP CONTROL PANEL, ZOELLER MODEL 10-1040, FLOATS, HORN, STROBE, ALTERNATING LEAD PUMP<br>3. POLY BASIN, 36" DIA X 96" DEEP, GASKETED SOLID COVER. |          |               |            |           |     |            |       |              |              |       |



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

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

PRINT NAME: JEROMY L REED

SIGNATURE: 

DATE: 05/07/2023

LIC. NO. 55956

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WATER TREATMENT PLANT

PLUMBING SCHEDULES

| NO.          | REVISION  | DATE |
|--------------|-----------|------|
| X            | X         | X    |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
|              |           |      |
| SURVEY       | -         |      |
| DRAWN        | FE        |      |
| DESIGNED     | JR        |      |
| CHECKED      | JR        |      |
| APPROVED     | JR        |      |
| PROJ. NO.    | 193805386 |      |
| SHEET NUMBER |           |      |
| P601         |           |      |



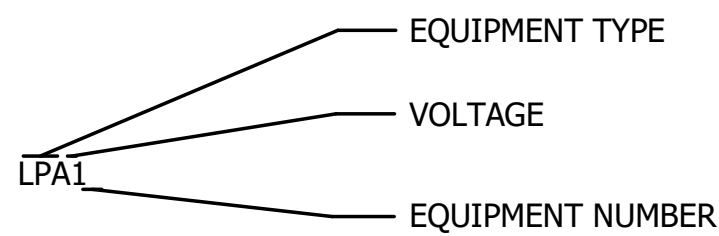
## ONE-LINE DIAGRAM

### SYMBOLS

|  |                                     |
|--|-------------------------------------|
|  | INCOMING LINE                       |
|  | POWER CIRCUIT BREAKER               |
|  | OIL CIRCUIT BREAKER                 |
|  | CIRCUIT BREAKER                     |
|  | DRAW-OUT CIRCUIT BREAKER            |
|  | LOAD BREAK INTERRUPTING SWITCH      |
|  | SINGLE THROW DISCONNECTING SWITCH   |
|  | DOUBLE THROW DISCONNECTING SWITCH   |
|  | FUSE                                |
|  | DISCONNECTING FUSE                  |
|  | SWITCH AND FUSE                     |
|  | RESISTOR1                           |
|  | RESISTOR2                           |
|  | CURRENT TRANSFORMER                 |
|  | POTENTIAL TRANSFORMER               |
|  | LIGHTNING ARRESTER                  |
|  | TRANSFORMER                         |
|  | CAPACITOR                           |
|  | MOTOR                               |
|  | GENERATOR                           |
|  | RELAY (* RELAY NO.)                 |
|  | STRESS CONE                         |
|  | FUSE CUTOUT                         |
|  | ENCLOSED FUSE CUTOUT                |
|  | AMMETER                             |
|  | AMMETER SWITCH                      |
|  | DEMAND METER                        |
|  | POWER FACTOR METER                  |
|  | VOLTMETER                           |
|  | VOLTMETER SWITCH                    |
|  | WATTMETER                           |
|  | WATTHOUR METER                      |
|  | WATTHOUR METER WITH DEMAND REGISTER |
|  | MULTI-FUNCTION METER                |
|  | METER                               |
|  | TRANSIENT VOLTAGE SURGE SUPPRESSOR  |
|  | KEY INTERLOCK                       |
|  | AUTOMATIC TRANSFER SWITCH (A.T.S)   |

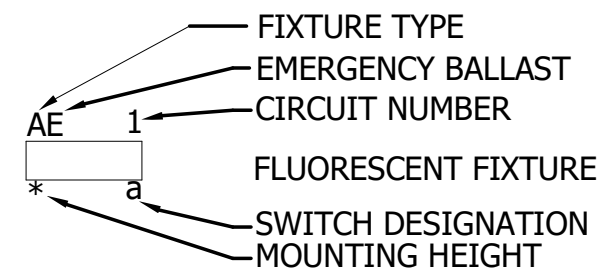
## PANELBOARD NAMING CONVENTION

TYPICAL UNLESS INDICATED OTHERWISE

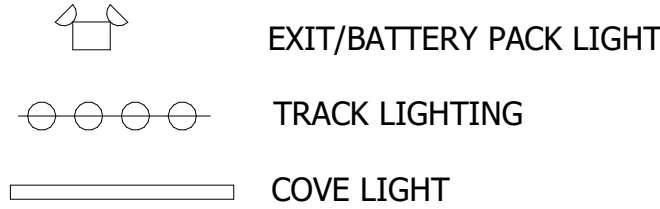
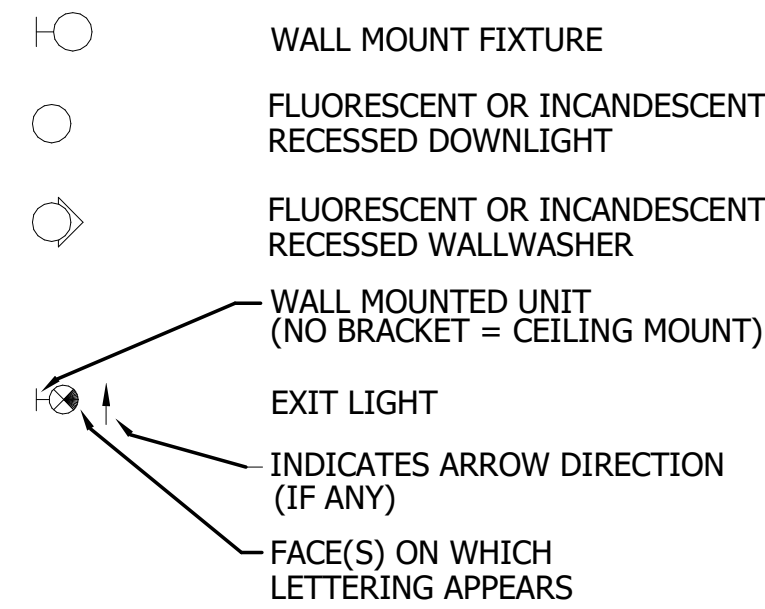
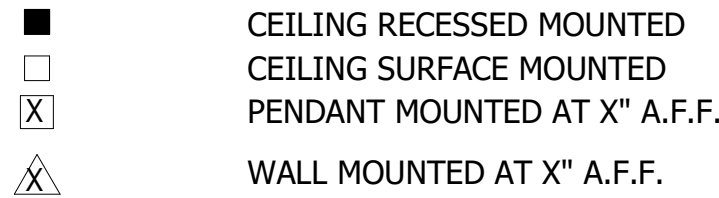


|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| EQUIPMENT TYPE: | SE = SERVICE ENTRANCE PANELBOARD                            |
|                 | LP = LIGHTING AND APPLIANCE<br>BRANCH-CIRCUIT<br>PANELBOARD |
|                 | PP = POWER PANELBOARD                                       |
|                 | L = LIGHTING CONTROL PANEL                                  |
| VOLTAGE:        | A = 120/240 1Ø                                              |
|                 | B = 208/120 3Ø                                              |
|                 | C = 240/120 3Ø                                              |
|                 | D = 480/277 3Ø                                              |

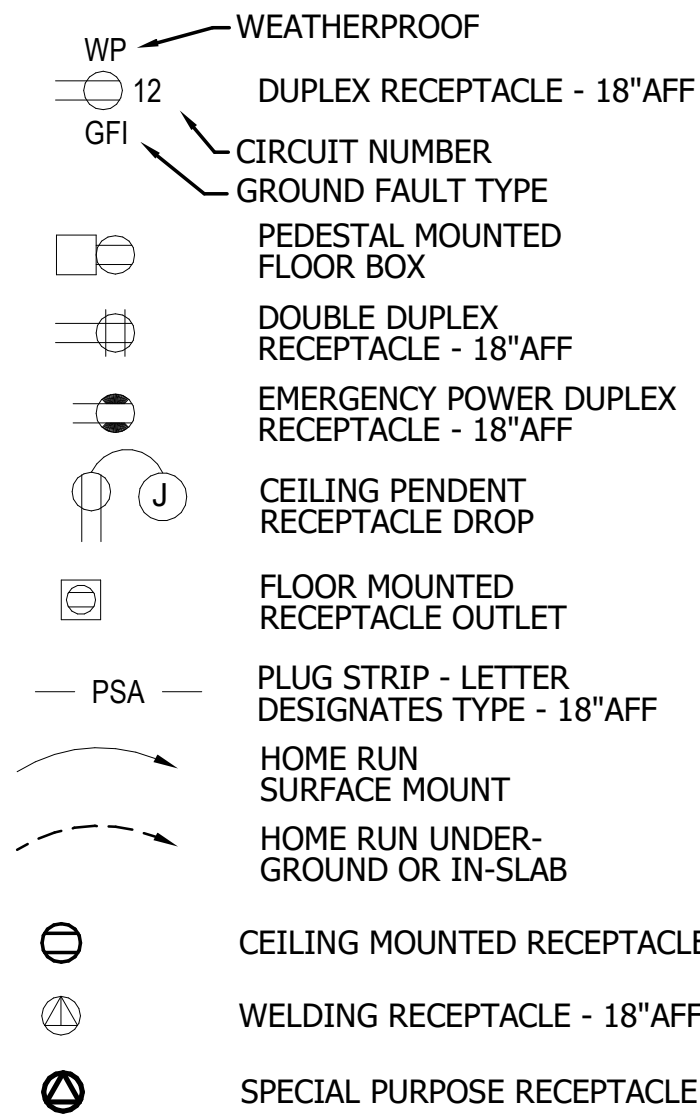
## LIGHTING SYMBOLS



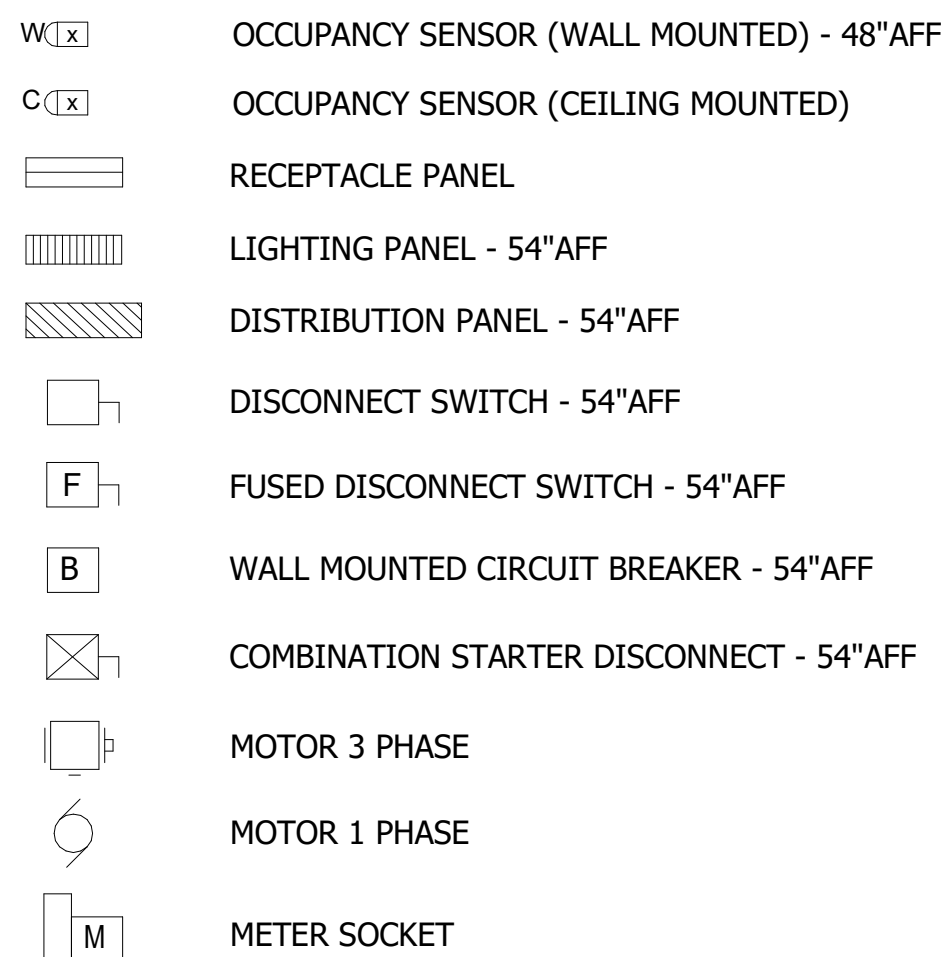
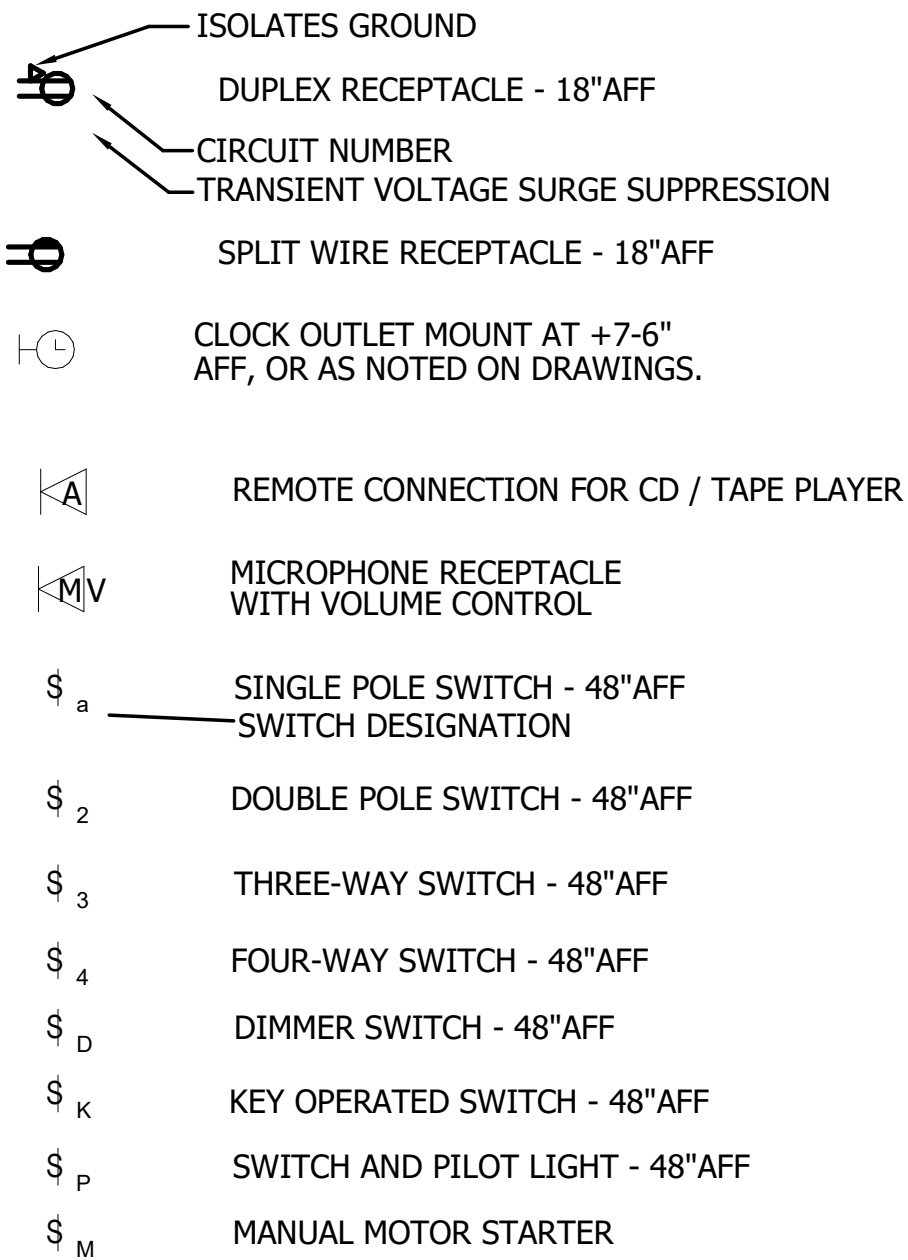
MOUNTING HEIGHT:

 MISCELLANEOUS FIXTURES

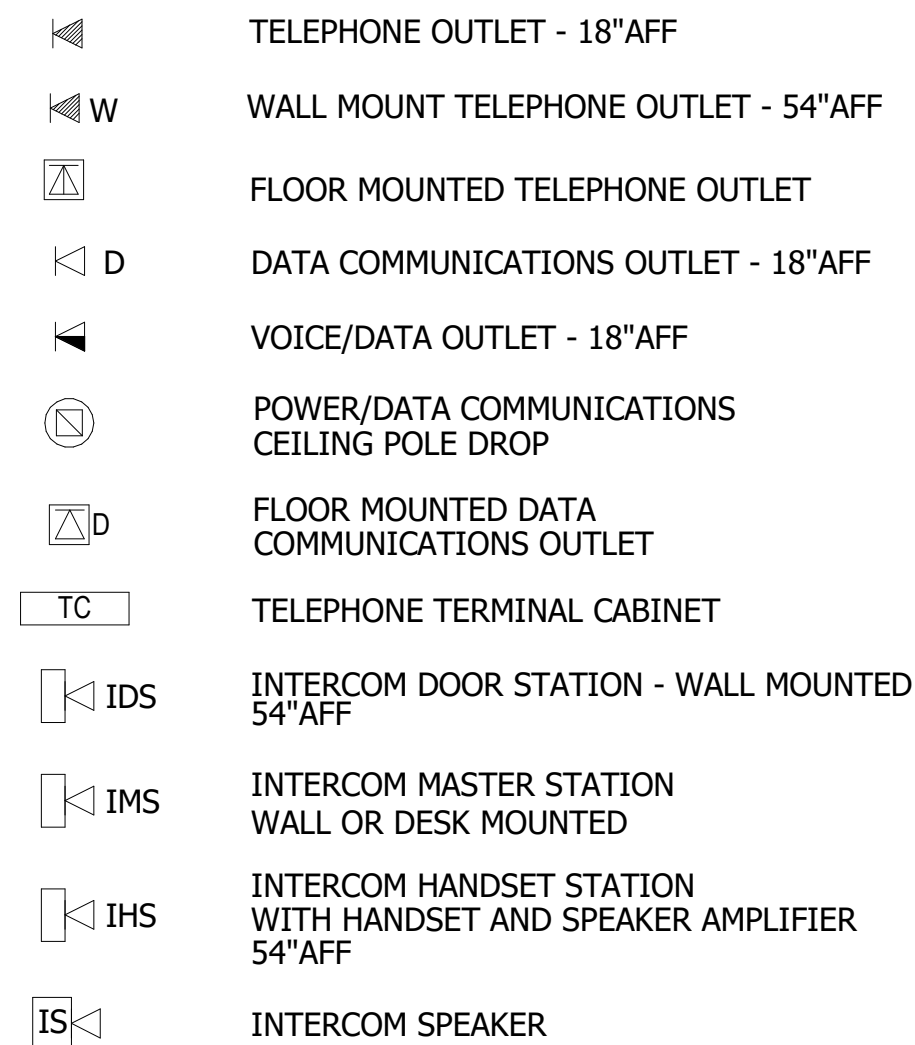
## POWER SYMBOLS



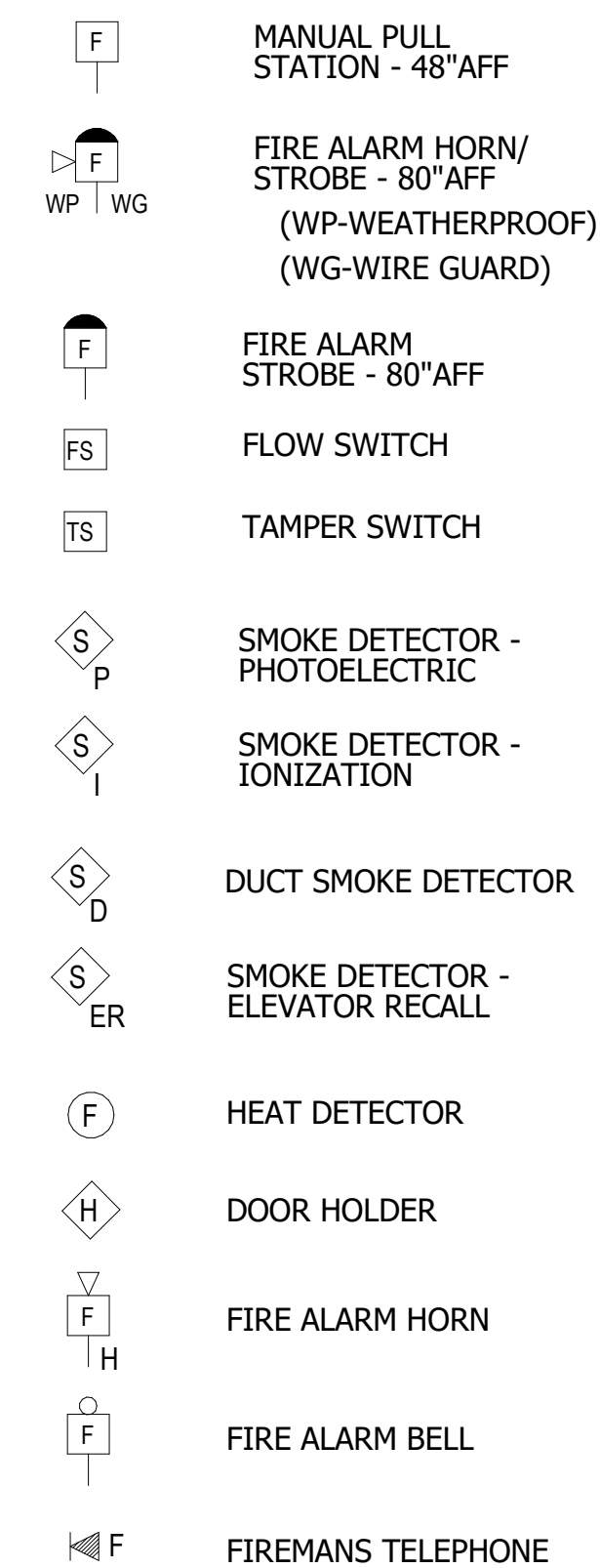
## POWER SYMBOLS (CONT)



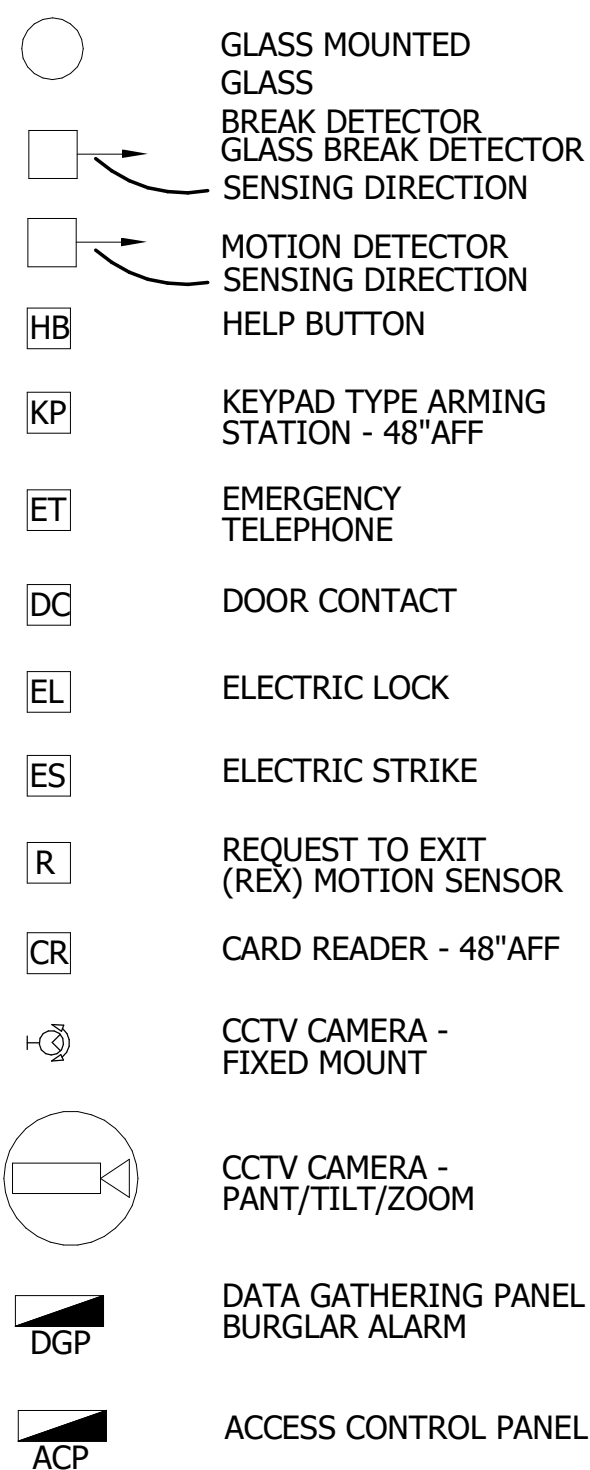
## TELEPHONE AND INTERCOM SYMBOLS



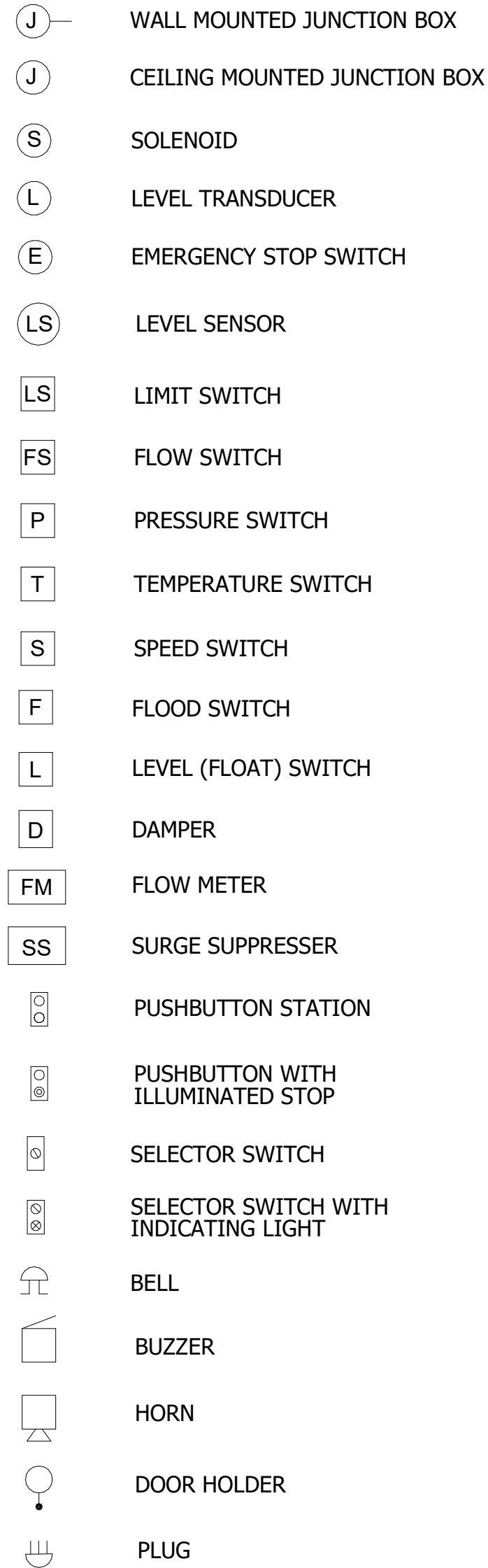
## FIRE ALARM SYMBOLS



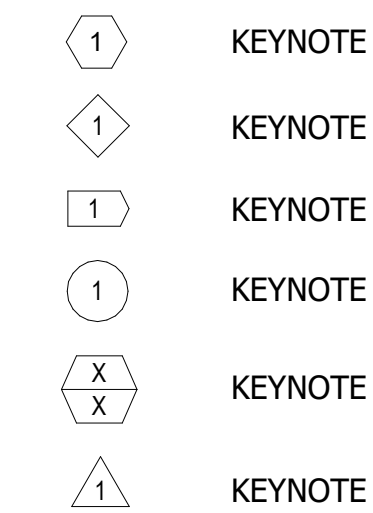
## SECURITY SYMBOLS



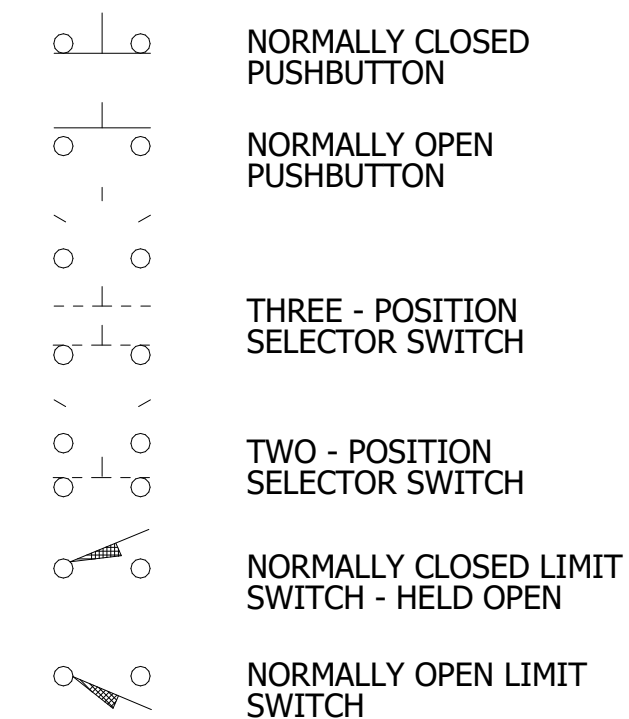
## CONTROL/MISC SYMBOLS



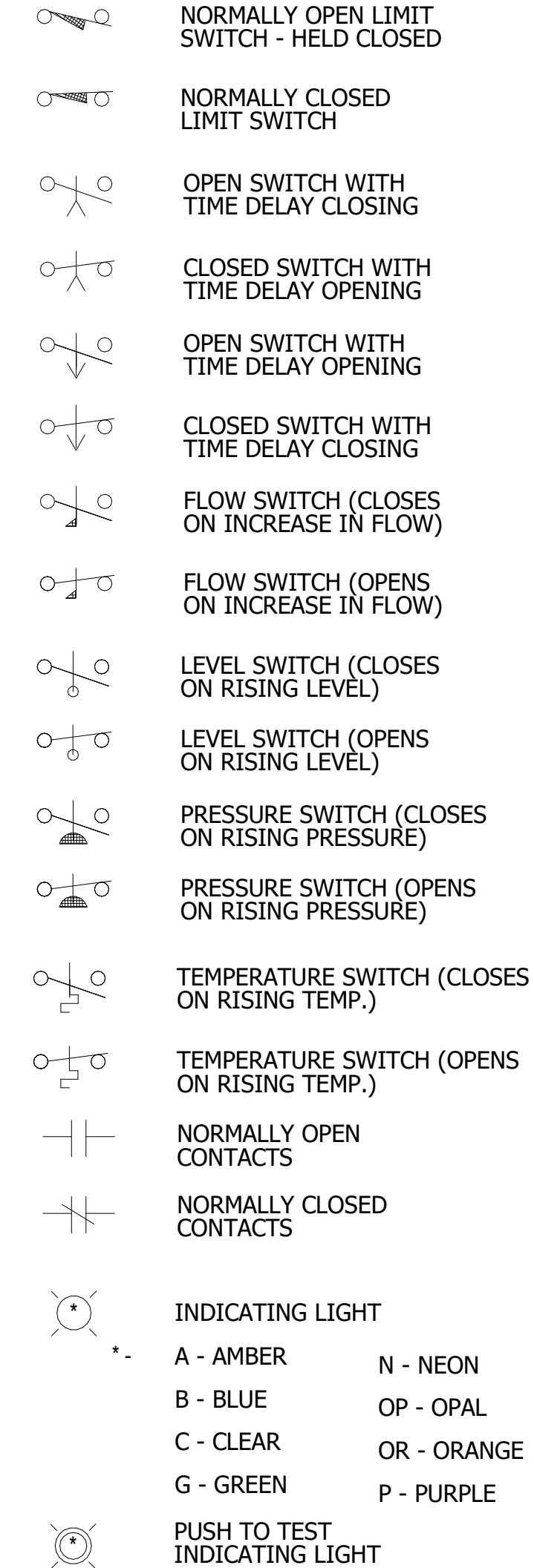
### CONTROL/KEY NOTES SYMBOLS



### CONTROL SCHEMATIC SYMBOLS



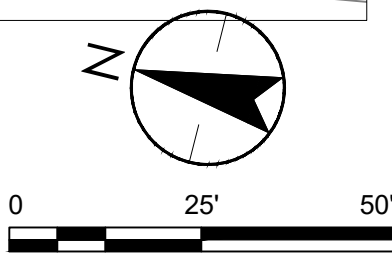
### CONTROL SCHEMATIC SYM. (CONT)



|                                    |           |      |  |  |  |
|------------------------------------|-----------|------|--|--|--|
| CITY OF CHASKA, MINNESOTA          |           |      |  |  |  |
| CHASKA NORTH WATER TREATMENT PLANT |           |      |  |  |  |
| ELECTRICAL SYMBOLS SHEET           |           |      |  |  |  |
|                                    |           |      |  |  |  |
| NO.                                | REVISION  | DATE |  |  |  |
| X                                  | X         | X    |  |  |  |
|                                    |           |      |  |  |  |
|                                    |           |      |  |  |  |
|                                    |           |      |  |  |  |
|                                    |           |      |  |  |  |
| SURVEY                             | -         |      |  |  |  |
| DRAWN                              | AB        |      |  |  |  |
| DESIGNED                           | CWO       |      |  |  |  |
| CHECKED                            | MTF       |      |  |  |  |
| APPROVED                           | MTF       |      |  |  |  |
| PROJ. NO.                          | 193805386 |      |  |  |  |
| SHEET NUMBER<br><b>E001</b>        |           |      |  |  |  |



Plot Date: 05/10/2023 - 12:09pm  
Drawing name: C:\Users\abollu\ACCDocs\Stontec Consulting\19805336-WTP Chocko\01\_WIP\13\_electrical\sheet\_files\19805336-F101.dwg  
User: 19805336\_XNO; 19805336\_XNY; 19805336\_XST; 19805336\_bdr; 19805336\_XNOM-MAIN LEVEL CONCEPT PLAN; 19805336-mid - Floor Plan - MAIN LEVEL; 19805336-mid - Floor Plan - LOWER LEVEL

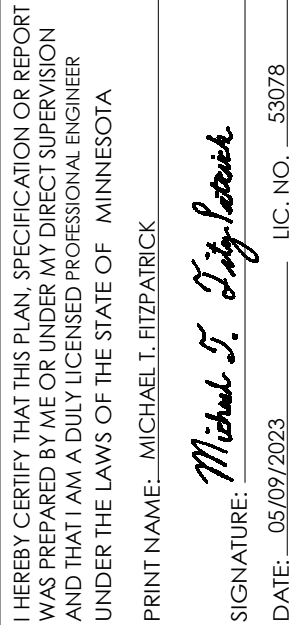


CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL SITE PLAN

| NO                   |  | REVISION | DATE |
|----------------------|--|----------|------|
|                      |  |          |      |
|                      |  |          |      |
|                      |  |          |      |
|                      |  |          |      |
|                      |  |          |      |
| SURVEY               |  |          |      |
| DRAWN                |  | AB       |      |
| DESIGNED             |  | AB       |      |
| CHECKED              |  | CWO      |      |
| APPROVED             |  | MTF      |      |
| PROJ. NO.            |  | 19380536 |      |
| SHEET NUMBER<br>E101 |  |          |      |



Plot Date: 5/10/2023 12:10:56 PM  
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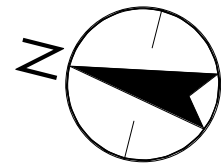
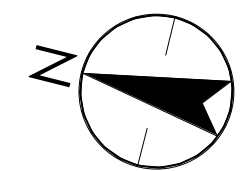
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL LOWER LEVEL LIGHTING PLAN

| NO.       | REVISION | DATE |
|-----------|----------|------|
| X         | X        | X    |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
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|           |          |      |
|           |          |      |
|           |          |      |
| SURVEY    |          | -    |
| DRAWN     |          | AE   |
| DESIGNED  |          | CWO  |
| CHECKED   |          | MTR  |
| APPROVED  |          | MTR  |
| PROJ. NO. | 19380538 |      |

SHEET NUMBER  
E201



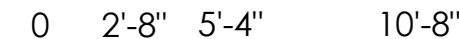
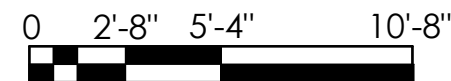
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0 2'-8" 5'-4" 10'-8"

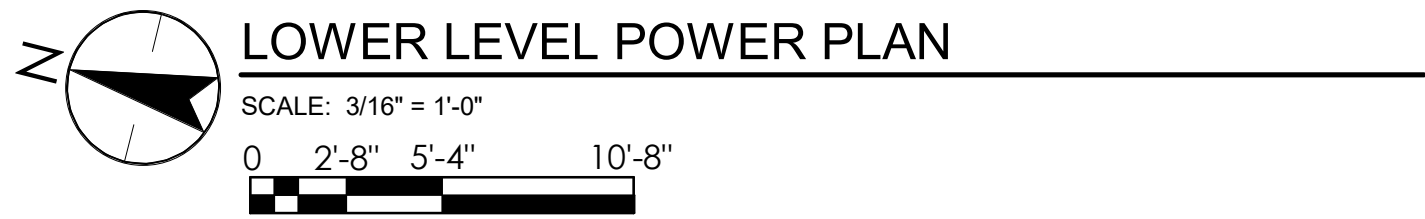


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E203



Plot Date: 5/10/2023 12:12:32 PM  
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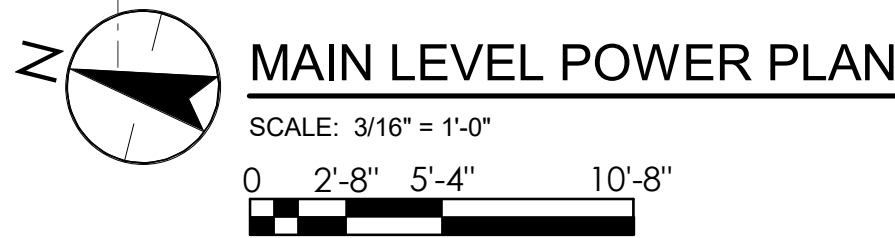
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL LOWER LEVEL POWER PLAN

| NO.       | REVISION | DATE |
|-----------|----------|------|
| X         | X        | X    |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
| SURVEY    | -        |      |
| DRAWN     | AE       |      |
| DESIGNED  | CWO      |      |
| CHECKED   | MTR      |      |
| APPROVED  | MTR      |      |
| PROJ. NO. | 19380538 |      |

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Plot Date: 5/10/2023 12:13:06 PM  
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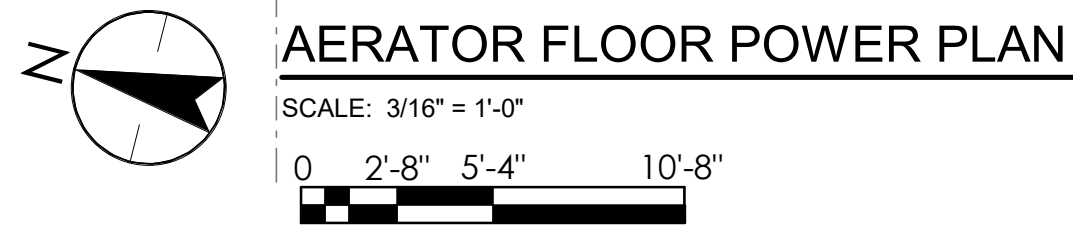
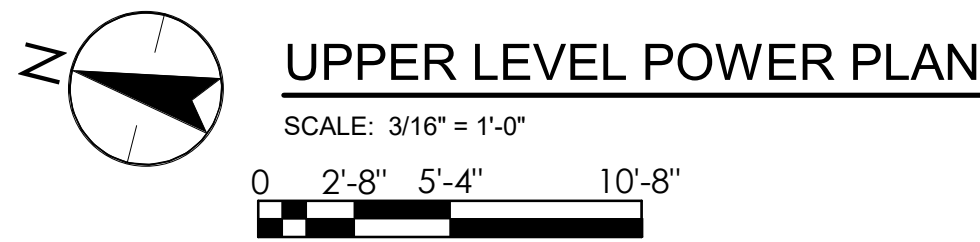


CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL MAIN LEVEL POWER PLAN

SHEET NUMBER  
E302



Plot Date: 5/10/2023 12:13:36 PM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386e-md.rvt



SHEET NUMBER  
E303

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

PRINT NAME: MICHAEL T. FITZPATRICK

SIGNATURE: *Michael T. FitzPatrick*

DATE: 05/09/2023 LIC. NO. 53078

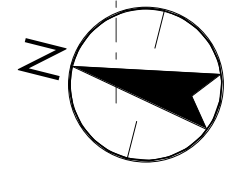
Page 247 of 40







Plot Date: 5/10/2023 12:14:30 PM  
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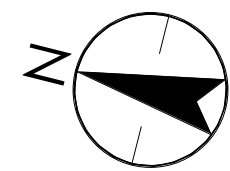


CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL MAIN LEVEL SYSTEMS PLAN

SHEET NUMBER  
E402

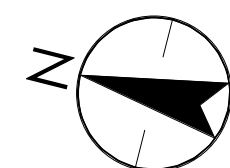


Plot Date: 5/10/2023 12:14:58 PM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386e-md.rvt



SCALE:  $\frac{3}{16}'' = 1'-0''$

0      2'-8"      5'-4"      10'-8"

A horizontal graphic scale bar with alternating black and white segments. The segments are labeled with their corresponding lengths: 0, 2'-8", 5'-4", and 10'-8". The total length of the bar is 10 feet 8 inches.

SCALE:  $\frac{3}{16}" = 1'-0"$

0      2'-8"      5'-4"      10'-8"

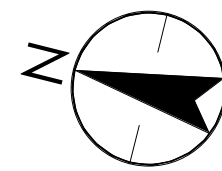
A horizontal graphic scale bar with alternating black and white segments. It is marked with the values 0, 2'-8", 5'-4", and 10'-8" from left to right.

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL UPPER LEVEL SYSTEMS PLAN

SHEET NUMBER  
E403



Plot Date: 5/10/2023 12:15:25 PM  
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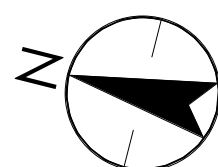
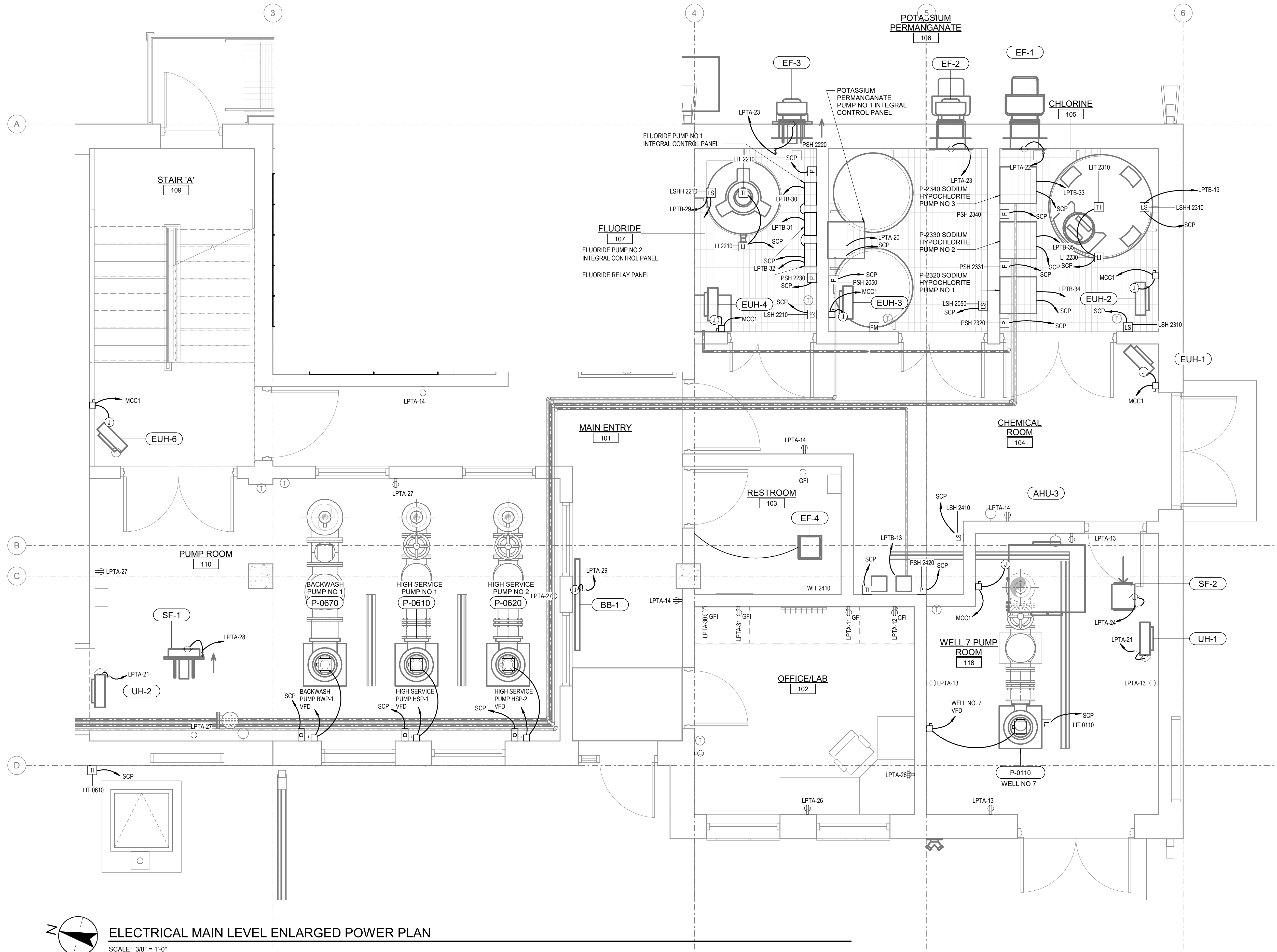


SCALE: 3/4" = 1'-0"



SHEET NUMBER  
E501





## ELECTRICAL MAIN LEVEL ENLARGED POWER PLAN

SCALE: 3/8" = 1'-0"

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

PRINT NAME: MICHAEL T. FITZPATRICK

SIGNATURE: Michael T. FitzPatrick

DATE: 05/09/2023 LIC. NO. 53078

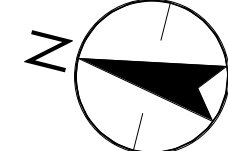
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL MAIN LEVEL ENLARGED POWER PLAN

| NO.       | REVISION  | DATE |
|-----------|-----------|------|
| X         | X         | X    |
|           |           |      |
|           |           |      |
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|           |           |      |
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|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
| SURVEY    | -         |      |
| DRAWN     | AB        |      |
| DESIGNED  | CWO       |      |
| CHECKED   | MTF       |      |
| APPROVED  | MTF       |      |
| PROJ. NO. | 193805386 |      |

SHEET NUMBER  
E502



Plot Date: 5/10/2023 12:16:28 PM  
File Path: BIM 360://193805386 WTP Chaska/193805386e-md.rvt



SCALE: 1/4" = 1'-0"

PRINT NAME: MICHAEL T. FITZPATRICK

SIGNATURE: *Michael T. FitzPatrick*

DATE: 05/09/2023 LIC. NO. 53078

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL MAIN LEVEL ENLARGED POWER PLAN

| NO.       | REVISION  | DATE |
|-----------|-----------|------|
| X         | X         | X    |
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|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |
| SURVEY    | -         |      |
| DRAWN     | Author    |      |
| DESIGNED  | Designer  |      |
| CHECKED   | Checker   |      |
| APPROVED  | Approver  |      |
| PROJ. NO. | 193805386 |      |

SHEET NUMBER  
E503



Plot Date: 05/09/2023 - 8:39am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_11ies\193805386-E601.dwg  
User: jgonzalez, k-bell, al701

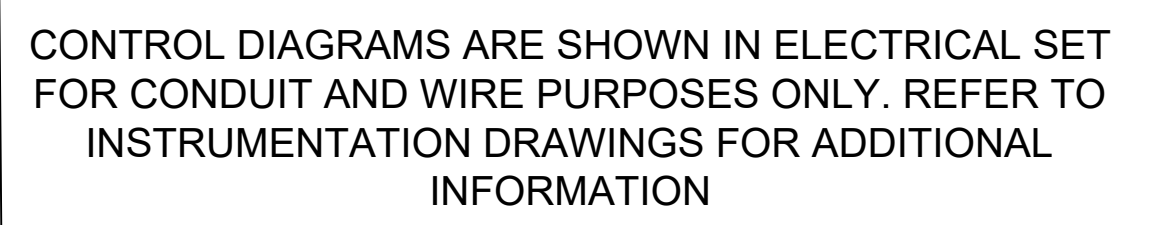


Diagram illustrating the components of a cable marking code:

- NUMBER OF 14G AWG CONDUCTORS
- NUMBER OF 14 AWG CONDUCTORS
- CONDUIT SIZE
- CONDUIT SIZE: 0.75, 1, 1.5
- CABLE TYPE: TSP = TWISTED SHIELDED PAIR CABLE
- CA76 = CATEGORY 6 CABLE
- LT = LEVEL TRANSDUCER CABLE
- LS = LEVEL SWITCH CABLE
- FS = FLOOD SWITCH CABLE
- FM = FLOW METER CABLE
- PC = PROBE CABLE

- CONTRACTOR SHALL PROVIDE AN ELECTRICAL JUNCTION AT THIS LOCATION AS SHOWN AND AS REQUIRED FOR WIRING AS SHOWN.



Plot Date: 05/09/2023 - 8:37am  
Drawing name: C:\Users\abollu\ACCDocs\Stanlec Consulting\193805386\_wtp\_Chaska\01\_wip\13\_electrical\sheet\_11ies\193805386-F602.dwg  
User: abollu  
Machine: 30000529, 4-bay, 31700

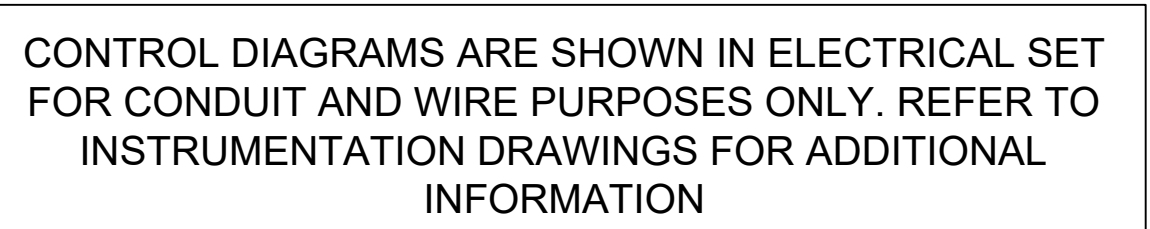


Diagram illustrating the components of a cable marking code:

- NUMBER OF 14G AWG CONDUCTORS
- NUMBER OF 14 AWG CONDUCTORS
- CONDUIT SIZE
- CONDUIT SIZE
- NUMBER OF CABLES
- CABLE TYPE:
- TSP = TWISTED SHIELDED PAIR CABLE
- CAT6 = CATEGORY 6 CABLE
- LT = LEVEL TRANSDUCER CABLE
- LS = LEVEL SWITCH CABLE
- FS = FLOOD SWITCH CABLE
- FM = FLOW METER CABLE
- PC = PROBE CABLE

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

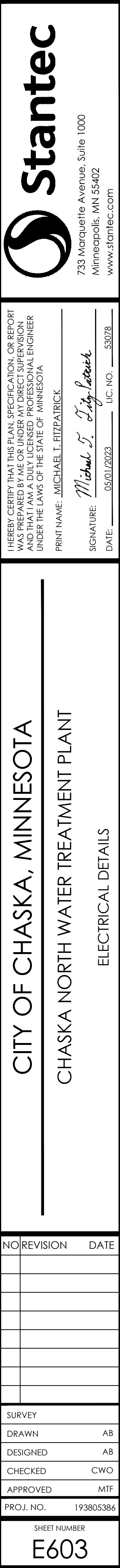
PRINT NAME: MICHAEL J. FITZPATRICK

SIGNATURE: *Michael J. Fitzpatrick*

DATE: 05/09/2023 LIC. NO. 39078



Plot Date: 05/09/2023 - 8:43am  
Drawing name: C:\Users\abolli\ACCDocs\Stanlec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_files\193805386-F603.dwg

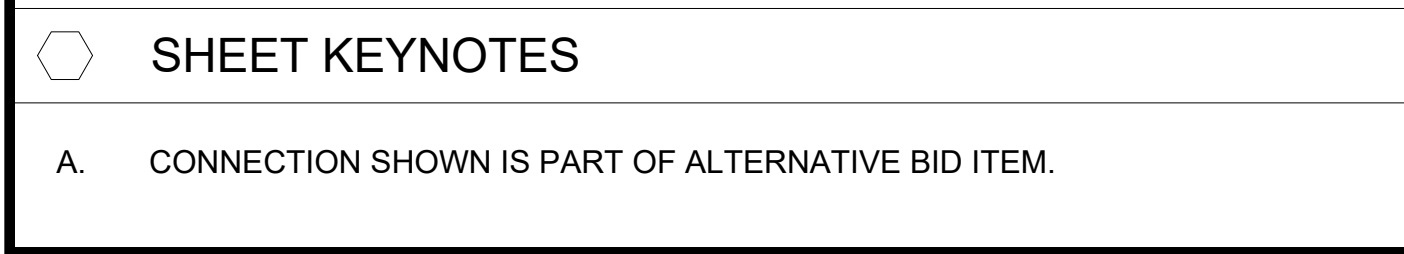








Plot Date: 05/09/2023 - 9:00am  
Drawing name: C:\Users\abollu\ACCDocs\Stanlec Consulting\193805386\_wtp\_Chaska\01\_wip\13\_electrical\sheet\_11ies\193805386-E605.dwg  
User: jgonzalez, kshah, al704



## CONTROL DIAGRAM CONDUIT AND WIRE LEGEND

NUMBER OF 14G AWG CONDUCTORS

NUMBER OF 14 AWG CONDUCTORS

CONDUIT SIZE

0.75 | 10 | 1

CONDUIT SIZE

NUMBER OF CABLES

CABLE TYPE:

TSP = TWISTED SHIELDED PAIR CABLE

CAT6 = CATEGORY 6 CABLE

LT = LEVEL TRANSDUCER CABLE

LS = LEVEL SWITCH CABLE

FS = FLOOD SWITCH CABLE

FM = FLOW METER CABLE

PC = PROBE CABLE

- CONTRACTOR SHALL PROVIDE AN ELECTRICAL JUNCTION AT THIS LOCATION AS SHOWN AND AS REQUIRED FOR WIRING AS SHOWN.



Plot Date: 05/09/2023 - 10:35am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_11ies\193805386-E606.dwg  
User: jgonzalez, kshah, al702





Plot Date: 05/09/2023 - 10:36am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_11ies\193805386-E607.dwg  
User: abollu  
Scale: 1/8"=1'-0"





Plot Date: 05/09/2023 - 10:38am  
Drawing name: C:\Users\abolli\ACCDocs\Stanlec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_files\193805386-F608.dwg





Plot Date: 05/09/2023 - 10:39am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_11ies\193805386-E609.dwg  
User: abollu  
Scale: 1/8"=1'-0"

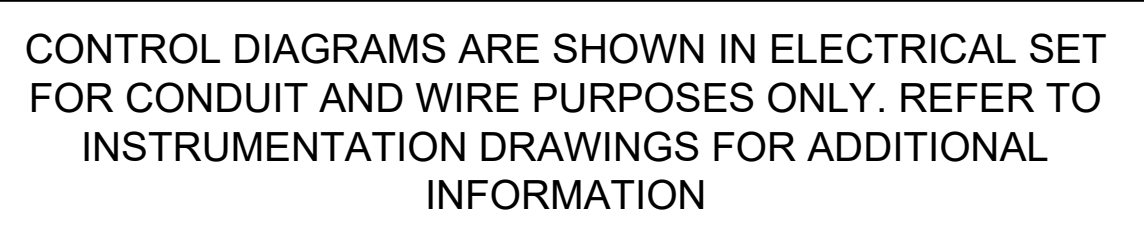


NUMBER OF 14G AWG CONDUCTORS  
 NUMBER OF 14 AWG CONDUCTORS  
 CONDUIT SIZE  
 0.75 1 1  
 0.75 1-  
 CONDUIT SIZE  
 NUMBER OF CABLES  
 CABLE TYPE:  
 TSP = TWISTED SHIELDED PAIR CABLE  
 CAT6 = CATEGORY 6 CABLE  
 LT = LEVEL TRANSDUCER CABLE  
 LS = LEVEL SWITCH CABLE  
 FS = FLOOD SWITCH CABLE  
 FM = FLOW METER CABLE  
 PC = PROBE CABLE

- CONTRACTOR SHALL PROVIDE AN ELECTRICAL JUNCTION AT THIS LOCATION AS SHOWN AND AS REQUIRED FOR WIRING AS SHOWN.



Plot Date: 05/09/2023 - 10:45am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_wtp\_Chaska\01\_wip\13\_electrical\sheet\_11ies\193805386-E610.dwg  
User: abollu  
Scale: 1/8"=1'-0"



NUMBER OF 14G AWG CONDUCTORS  
 NUMBER OF 14 AWG CONDUCTORS  
 CONDUIT SIZE

CONDUIT SIZE  
 NUMBER OF CABLES  
 CABLE TYPE:  
 TSP = TWISTED SHIELDED PAIR CABLE  
 CAT6 = CATEGORY 6 CABLE  
 LT = LEVEL TRANSDUCER CABLE  
 LS = LEVEL SWITCH CABLE  
 FS = FLOOD SWITCH CABLE  
 FM = FLOW METER CABLE  
 PC = PROBE CABLE

0.75 10 1  
 0.75 1-

CONTRACTOR SHALL PROVIDE AN ELECTRICAL JUNCTION AT THIS LOCATION AS SHOW AND AS REQUIRED FOR WIRING AS SHOWN.

CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL DETAILS

|             |           |
|-------------|-----------|
| NO REVISION | DATE      |
|             |           |
|             |           |
|             |           |
|             |           |
|             |           |
| SURVEY      |           |
| DRAWN       | AB        |
| DESIGNED    | AB        |
| CHECKED     | CWO       |
| APPROVED    | MTF       |
| PROJ. NO.   | 193805386 |

SHEET NUMBER  
E610



Plot Date: 05/09/2023 - 12:38pm  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_11ies\193805386-E620.dwg  
User: abollu  
Machine: 1000059, 4-bay, A1700





Plot Date: 05/09/2023 - 11:02am  
Drawing name: C:\Users\abolu\ACCDocs\Stanlec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_files\193805386-E622.dwg





Plot Date: 05/09/2023 - 11:45am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_files\193805386-E623-01.dwg





Plot Date: 05/09/2023 - 11:46am  
Drawing Name: C:\Users\abolu\OneDrive\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WP13\_electrical\sheet\_files\193805386-E623-02.dwg  
User: abolu, 193805386, 1-4-24, 17700, 200

A. PROVIDE EACH PUMP WITH INTEGRAL CONTROLS SHOWN. PROVIDE AN INTERPOSING RELAY FOR EACH DIGITAL INPUT SIGNAL TO THE PLC. MOUNT RELAYS IN PLC ENCLOSURE.

B. VENT TO OUTSIDE. PROVIDE VENT WITH INSECT SCREEN.

NUMBER OF 14G AWG CONDUCTORS  
 NUMBER OF 14 AWG CONDUCTORS  
 CONDUIT SIZE  
 0.75 1 1

CONDUIT SIZE  
 NUMBER OF CABLES  
 CABLE TYPE:  
 TSP = TWISTED SHIELDED PAIR CABLE  
 CAT6 = CATEGORY 6 CABLE  
 LT = LEVEL TRANSDUCER CABLE  
 LS = LEVEL SWITCH CABLE  
 FS = FLOOD SWITCH CABLE  
 FM = FLOW METER CABLE  
 PC = PROBE CABLE

SODIUM HYPOCHLORITE STORAGE  
AND DOSING CONTAINMENT  
(CONTAINMENT CONTINUED ON SHEET N723-01)

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

PRINT NAME: MICHAEL I. FITZPATRICK

SIGNATURE: Michael I. FitzPatrick

DATE: 05/09/2023 LIC. NO. 53078

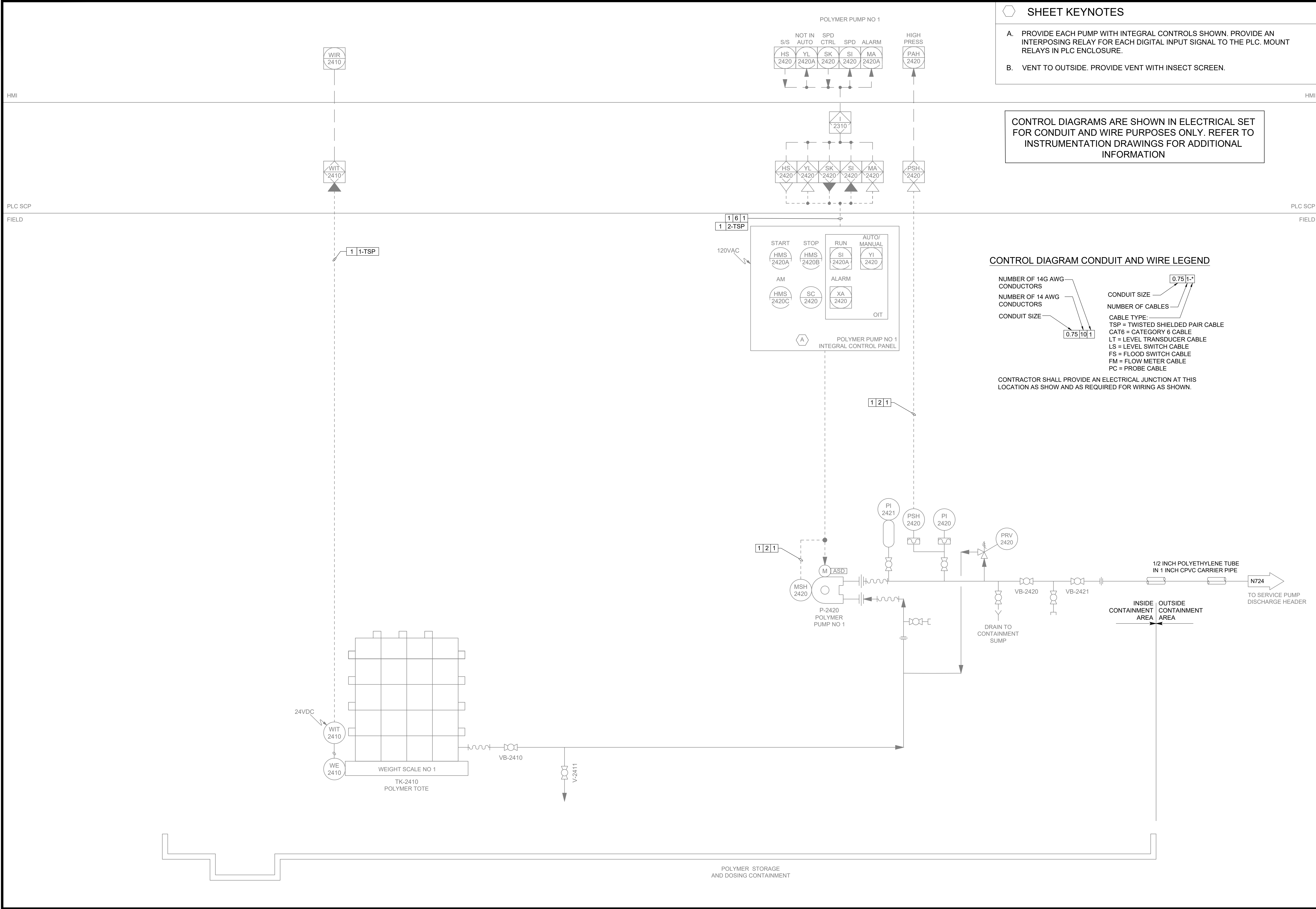
CITY OF CHASKA, MINNESOTA  
CHASKA NORTH WATER TREATMENT PLANT  
ELECTRICAL DETAILS

|           | NO REVISION | DATE |
|-----------|-------------|------|
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
| SURVEY    |             |      |
| DRAWN     |             | AB   |
| DESIGNED  |             | AB   |
| CHECKED   |             | CWO  |
| APPROVED  |             | MTF  |
| PROJ. NO. | 193805386   |      |

SHEET NUMBER  
E623-02



Plot Date: 05/09/2023 - 11:56am  
Drawing name: C:\Users\abollu\ACCDocs\Stantec Consulting\193805386\_WTP\_Chaska\01\_WIP\13\_electrical\sheet\_11ies\193805386-E624.dwg  
User: jgonzalez, kshah, al794





Plot Date: 05/09/2023 - 11:55am  
Drawing name: C:\Users\abollu\ACCDocs\Stanlec Consulting\193805386\_wtp\_Chaska\01\_wip\13\_electrical\sheet\_11ies\193805386-E628.dwg  
User: Stanlec\_Consulting\_13092529\_4 3-4-21790





Plot Date: 5/10/2023 12:17:01 PM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386e-md.rvt





Stantec

Name: LPTA

Location: ELECTRICAL ROOM 108

Supply From:

Serves:

Volts: 120/208 Wye

Phases: 3

Wires: 4

Main Type: MLO

Mains Rating: 225

Max Rating: 100

Lugs: Single Lugs

Type:

AIC Rating:

Mounting: Surface

Enclosure: Type 1

Notes:

| CKT                 | Circuit Description | Trip | Poles | CB | A              |      | B             |      | C                |      | CB                          | Poles | Trip | Circuit Description            | CKT         |    |
|---------------------|---------------------|------|-------|----|----------------|------|---------------|------|------------------|------|-----------------------------|-------|------|--------------------------------|-------------|----|
| 1                   | Lighting            | 20   | 1     |    | 670            | 1531 |               |      |                  |      |                             | 1     | 20   | Lighting                       | 2           |    |
| 3                   | Lighting            | 20   | 1     |    |                |      | 670           | 637  |                  |      |                             | 1     | 20   | Lighting                       | 4           |    |
| 5                   | Lighting            | 20   | 1     |    |                |      |               |      | 120              | 104  |                             | 1     | 20   | Lighting                       | 6           |    |
| 7                   | Lighting            | 20   | 1     |    | 1072           | 536  |               |      |                  |      |                             | 1     | 20   | Lighting                       | 8           |    |
| 9                   | Lighting            | 20   | 1     |    |                |      | 536           | 578  |                  |      |                             | 1     | 20   | Lighting                       | 10          |    |
| 11                  | Receptacle          | 20   | 1     |    |                |      |               |      | 180              | 180  |                             | 1     | 20   | Receptacle                     | 12          |    |
| 13                  | Receptacle          | 20   | 1     |    | 720            | 720  |               |      |                  |      |                             | 1     | 20   | Receptacle                     | 14          |    |
| 15                  | UH-3                | 20   | 1     |    |                |      | 252           | 696  |                  |      |                             | 1     | 20   | SF-4                           | 16          |    |
| 17                  | Receptacle          | 20   | 1     |    |                |      |               |      | 540              | 0    | --                          | 1     | 20   | Spare                          | 18          |    |
| 19                  | Spare               | 20   | 1     | -- | 0              | 1500 |               |      |                  |      |                             | 1     | 20   | POTASSIUM PERMANGANATE PUMP... | 20          |    |
| 21                  | UH-1, UH-2          | 20   | 1     |    |                |      | 1056          | 696  |                  |      |                             | 1     | 20   | EF-1                           | 22          |    |
| 23                  | EF-2                | 20   | 1     |    |                |      |               |      | 504              | 1176 |                             | 1     | 20   | SF-2                           | 24          |    |
| 25                  | Lighting - Exterior | 20   | 1     |    | 20             | 720  |               |      |                  |      |                             | 1     | 20   | Receptacle                     | 26          |    |
| 27                  | Receptacle          | 20   | 1     |    |                |      | 720           | 1176 |                  |      |                             | 1     | 20   | SF-1                           | 28          |    |
| 29                  | BB-1                | 20   | 1     |    |                |      |               |      | 1500             | 180  |                             | 1     | 20   | Receptacle                     | 30          |    |
| 31                  | Receptacle          | 20   | 1     |    | 180            | 1372 |               |      |                  |      |                             | 2     | 20   | CJ-1                           | 32          |    |
| 33                  | ACO-1/ACI-1         | 35   | 2     |    |                |      | 2600          | 1372 |                  |      | --                          | --    | --   | --                             | 34          |    |
| 35                  | --                  | --   | --    | -- |                |      |               |      | 2600             | 2600 | --                          | --    | 2    | 35                             | ACO-2/ACI-2 | 36 |
| 37                  | UH-4, UH-5          | 20   | 1     |    | 1056           | 2600 |               |      |                  |      | --                          | --    | --   | --                             | 38          |    |
| 39                  | UH-6                | 20   | 1     |    |                |      | 528           | 1176 |                  |      |                             | 1     | 20   | SF-3                           | 40          |    |
| 41                  | DCP-1               | 20   | 1     |    |                |      |               |      | 180              | 2260 |                             | 1     | 25   | PUMP 1 AND 2 CONTROL PANEL     | 42          |    |
| Total Load:         |                     |      |       |    | 12.43 kVA      |      | 12.30 kVA     |      | 11.90 kVA        |      |                             |       |      |                                |             |    |
| Total Amps:         |                     |      |       |    | 104            |      | 103           |      | 99               |      |                             |       |      |                                |             |    |
| Load Classification |                     |      |       |    | Connected Load |      | Demand Factor |      | Estimated Demand |      | Panel Totals                |       |      |                                |             |    |
| HVAC                |                     |      |       |    | 3760 VA        |      | 100.00%       |      | 3760 VA          |      |                             |       |      |                                |             |    |
| Lighting            |                     |      |       |    | 5763 VA        |      | 125.00%       |      | 7204 VA          |      | Total Conn. Load: 36477 VA  |       |      |                                |             |    |
| Motor               |                     |      |       |    | 9012 VA        |      | 103.26%       |      | 9306 VA          |      | Total Est. Demand: 38180 VA |       |      |                                |             |    |
| Other               |                     |      |       |    | 20 VA          |      | 100.00%       |      | 20 VA            |      | Total Conn.: 101            |       |      |                                |             |    |
| Power               |                     |      |       |    | 14644 VA       |      | 100.00%       |      | 14644 VA         |      | Total Est. Demand: 106      |       |      |                                |             |    |
| Receptacle          |                     |      |       |    | 4320 VA        |      | 100.00%       |      | 4320 VA          |      |                             |       |      |                                |             |    |
|                     |                     |      |       |    |                |      |               |      |                  |      |                             |       |      |                                |             |    |

CB Legend (blank = circuit breaker):

G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

Notes:

Stantec

Name: LPTB

Location: ELECTRICAL ROOM 108

Supply From:

Serves:

Volts: 120/208 Wye

Phases: 3

Wires: 4

Main Type: MLO

Mains Rating: 225

Max Rating: 100

Lugs: Single Lugs

Type:

AIC Rating:

Mounting: Surface

Enclosure: Type 1

Panel

Notes:

| CKT                 | Circuit Description           | Trip           | Poles | CB            | A        | B                | C        | CB                         | Poles | Trip | Circuit Description           | CKT |
|---------------------|-------------------------------|----------------|-------|---------------|----------|------------------|----------|----------------------------|-------|------|-------------------------------|-----|
| 1                   | FLOW METER - FIT 0730         | 20             | 1     |               | 0        | 0                |          |                            | 1     | 20   | FLOW METER - FIT 0720         | 2   |
| 3                   | HVAC                          | 20             | 1     |               |          | 0                | 0        |                            | 1     | 20   | HVAC                          | 4   |
| 5                   | HVAC                          | 20             | 1     |               |          |                  | 0        | 0                          | 1     | 20   | HVAC                          | 6   |
| 7                   | MOV 0319                      | 20             | 1     |               | 180      | 180              |          |                            | 1     | 20   | MOV 0311                      | 8   |
| 9                   | IRRIGATION CONTROL PANEL      | 20             | 1     |               |          | 0                | 180      |                            | 1     | 20   | MOV 0318                      | 10  |
| 11                  | MOV 0320                      | 20             | 1     |               |          |                  | 180      | 0                          | 1     | 20   | MOV 0420                      | 12  |
| 13                  | POLYMER PUMP NO 1 P-2420      | 20             | 1     |               | 360      | 0                |          |                            | 1     | 20   | MOV 0418                      | 14  |
| 15                  | MOV 0411                      | 20             | 1     |               |          | 0                | 0        |                            | 1     | 20   | MOV 0419                      | 16  |
| 17                  | MOV 0519                      | 20             | 1     |               |          |                  | 0        | 0                          | 1     | 20   | MOV 0520                      | 18  |
| 19                  | LSHH 2310                     | 20             | 1     |               | 0        | 0                |          |                            | 1     | 20   | MOV 0518                      | 20  |
| 21                  | MOV 0511                      | 20             | 1     |               |          | 0                | 0        |                            | 1     | 20   | MOV 0611                      | 22  |
| 23                  | MOV 0620                      | 20             | 1     |               |          |                  | 0        | 0                          | 1     | 20   | FACP                          | 24  |
| 25                  | MOV 0618                      | 20             | 1     |               | 0        | 0                |          |                            | 1     | 20   | MOV 0619                      | 26  |
| 27                  | AIT 0660                      | 20             | 1     |               |          | 180              | 0        |                            | 1     | 20   | HVAC                          | 28  |
| 29                  | LSHH 2210                     | 20             | 1     |               |          |                  | 180      | 0                          | 1     | 20   | FLUORIDE PUMP NO 1 CONTROL... | 30  |
| 31                  | FLUORIDE PUMP NO 2 CONTROL... | 20             | 1     |               | 0        | 0                |          |                            | 1     | 20   | FLUORIDE RELAY PANEL          | 32  |
| 33                  | HVAC                          | 20             | 1     |               |          | 1500             | 1500     |                            | 1     | 20   | HVAC                          | 34  |
| 35                  | HVAC                          | 20             | 1     |               |          |                  | 1500     | 180                        | 1     | 20   | FIT 0212                      | 36  |
| 37                  |                               |                |       |               |          |                  |          |                            |       |      |                               | 38  |
| 39                  |                               |                |       |               |          |                  |          |                            |       |      |                               | 40  |
| 41                  |                               |                |       |               |          |                  |          |                            |       |      |                               | 42  |
| Total Load:         |                               |                |       |               | 0.72 kVA | 3.36 kVA         | 2.04 kVA |                            |       |      |                               |     |
| Total Amps:         |                               |                |       |               | 6        | 30               | 19       |                            |       |      |                               |     |
| Load Classification |                               | Connected Load |       | Demand Factor |          | Estimated Demand |          | Panel Totals               |       |      |                               |     |
| HVAC                |                               | 6120 VA        |       | 100.00%       |          | 6120 VA          |          |                            |       |      |                               |     |
| Other               |                               | 0 VA           |       | 0.00%         |          | 0 VA             |          |                            |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          | Total Conn. Load: 6120 VA  |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          | Total Est. Demand: 6120 VA |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          | Total Conn.: 17            |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          | Total Est. Demand: 17      |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          |                            |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          |                            |       |      |                               |     |
|                     |                               |                |       |               |          |                  |          |                            |       |      |                               |     |

CB Legend (blank = circuit breaker):

G = GFCI S = Shunt Trip D = Switching Duty A = AFCI H = HID Rated C = HACR Rated † = Existing Circuit ‡ = Revised Circuit

Notes:

| NO.       | REVISION | DATE |
|-----------|----------|------|
| X         | X        | X    |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
| SURVEY    | -        |      |
| DRAWN     | AE       |      |
| DESIGNED  | CWO      |      |
| CHECKED   | MTR      |      |
| APPROVED  | MTR      |      |
| PROJ. NO. | 19380538 |      |



|                                                                                                                                                  |  | COPPER FEEDER SCHEDULE        |                               |                                 |                               |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|-------------------------------|---------------------------------|-------------------------------|-------------------------------|
| 4                                                                                                                                                |  | TYPE                          |                               |                                 |                               |                               |
| 225                                                                                                                                              |  | 1                             | 2 OR 3                        | 4                               | 4N                            | 4NG                           |
|                                                                                                                                                  |  | 1PH, 2W, +G                   | 1PH, 3W, +G or 3PH, 3W, +G    | 3PH, 4W, +G                     | 3PH, 4W, +G, AND 200% N       | 3PH, 4W, +G, AND 1G           |
| 10                                                                                                                                               |  | 0.75°C-2#14, 1#14G            | 0.75°C-3#14, 1#14G            | 0.75°C-4#14, 1#14G              | 0.75°C-5#14, 1#14G            | 0.75°C-4#14, 1#14G            |
| 15                                                                                                                                               |  | 0.75°C-2#12, 1#12G            | 0.75°C-3#12, 1#12G            | 0.75°C-4#12, 1#12G              | 0.75°C-5#12, 1#12G            | 0.75°C-4#12, 1#12G            |
| 20                                                                                                                                               |  | 0.75°C-2#12, 1#12G            | 0.75°C-3#12, 1#12G            | 0.75°C-4#12, 1#12G              | 0.75°C-5#12, 1#12G            | 0.75°C-4#12, 1#12G            |
| 25                                                                                                                                               |  | 0.75°C-2#10, 1#10G            | 0.75°C-3#10, 1#10G            | 0.75°C-4#10, 1#10G              | 0.75°C-5#10, 1#10G            | 0.75°C-4#10, 1#10G            |
| 30                                                                                                                                               |  | 0.75°C-2#10, 1#10G            | 0.75°C-3#10, 1#10G            | 0.75°C-4#10, 1#10G              | 0.75°C-5#10, 1#10G            | 0.75°C-4#10, 1#10G            |
| 35                                                                                                                                               |  | 0.75°C-2#8, 1#10G             | 0.75°C-3#8, 1#10G             | 0.75°C-4#8, 1#10G               | 0.75°C-5#8, 1#10G             | 0.75°C-4#8, 2#10G             |
| 40                                                                                                                                               |  | 0.75°C-2#8, 1#10G             | 0.75°C-3#8, 1#10G             | 0.75°C-4#8, 1#10G               | 0.75°C-5#8, 1#10G             | 0.75°C-4#8, 2#10G             |
| 45                                                                                                                                               |  | 0.75°C-2#8, 1#10G             | 0.75°C-3#8, 1#10G             | 0.75°C-4#8, 1#10G               | 0.75°C-5#8, 1#10G             | 0.75°C-4#8, 2#10G             |
| 50                                                                                                                                               |  | 0.75°C-2#8, 1#10G             | 0.75°C-3#8, 1#10G             | 0.75°C-4#8, 1#10G               | 0.75°C-5#8, 1#10G             | 0.75°C-4#8, 2#10G             |
| 60                                                                                                                                               |  | 1°C-2#6, 1#10G                | 1°C-3#6, 1#10G                | 1°C-4#6, 1#10G                  | 1°C-5#6, 1#10G                | 1°C-4#6, 2#10G                |
| 70                                                                                                                                               |  | 1°C-2#4, 1#8G                 | 1°C-3#4, 1#8G                 | 1.25°C-4#4, 1#8G                | 1.25°C-5#4, 1#8G              | 1.25°C-4#4, 2#8G              |
| 80                                                                                                                                               |  | 1°C-2#4, 1#8G                 | 1°C-3#4, 1#8G                 | 1.25°C-4#4, 1#8G                | 1.25°C-5#4, 1#8G              | 1.25°C-4#4, 2#8G              |
| 90                                                                                                                                               |  | 1°C-2#3, 1#8G                 | 1°C-3#3, 1#8G                 | 1.25°C-4#3, 1#8G                | 1.25°C-5#3, 1#8G              | 1.25°C-4#3, 2#8G              |
| 100                                                                                                                                              |  | 1°C-2#2, 1#8G                 | 1.25°C-3#2, 1#8G              | 1.25°C-4#2, 1#8G                | 1.5°C-5#2, 1#8G               | 1.5°C-4#2, 2#8G               |
| 125                                                                                                                                              |  | 1°C-2#2, 1#6G                 | 1.25°C-3#2, 1#6G              | 1.5°C-4#2, 1#6G                 | 1.5°C-5#2, 1#6G               | 1.5°C-4#2, 2#6G               |
| 150                                                                                                                                              |  | 1.25°C-2#10, 1#6G             | 1.25°C-3#10, 1#6G             | 1.5°C-4#10, 1#6G                | 2°C-5#10, 1#6G                | 2°C-4#10, 2#6G                |
| 175                                                                                                                                              |  | 1.25°C-2#10, 1#6G             | 1.5°C-3#10, 1#6G              | 2°C-5#10, 1#6G                  | 2°C-4#10, 2#6G                | 2°C-4#10, 2#6G                |
| 200                                                                                                                                              |  | 1.25°C-2#10, 1#6G             | 2°C-3#10, 1#6G                | 2°C-4#10, 1#6G                  | 2.5°C-5#10, 1#6G              | 2.5°C-4#10, 2#6G              |
| 225                                                                                                                                              |  | 1.5°C-2#40, 1#4G              | 2°C-3#40, 1#4G                | 2.5°C-4#40, 1#4G                | 2.5°C-5#40, 1#4G              | 2.5°C-4#40, 2#4G              |
| 250                                                                                                                                              |  | 2°C-2#250, 1#4G               | 2°C-3#250, 1#4G               | 2.5°C-4#250, 1#4G               | 3°C-5#250, 1#4G               | 3°C-4#250, 2#4G               |
| 300                                                                                                                                              |  | 2°C-2#350, 1#4G               | 2.5°C-3#350, 1#4G             | 3°C-4#350, 1#4G                 | 3.5°C-5#350, 1#4G             | 3.5°C-4#350, 2#4G             |
| 350                                                                                                                                              |  | 2.5°C-2#500, 1#3G             | 3°C-3#500, 1#3G               | 4°C-4#500, 1#3G                 | 3.5°C-5#500, 1#3G             | 3.5°C-4#500, 2#3G             |
| 400                                                                                                                                              |  | 2.5°C-2#500, 1#3G             | 3°C-3#500, 1#3G               | 3.5°C-4#500, 1#3G               | 3.5°C-5#500, 1#3G             | 3.5°C-4#500, 2#3G             |
| 450                                                                                                                                              |  | TWO (2) 2°C-2#40, 1#10G       | TWO (2) 2°C-3#40, 1#10G       | TWO (2) 2.5°C-4#40, 1#10G       | TWO (2) 2.5°C-5#40, 1#10G     | TWO (2) 2.5°C-4#40, 2#10G     |
| 500                                                                                                                                              |  | TWO (2) 2°C-2#250, 1#10G      | TWO (2) 2.5°C-3#250, 1#10G    | TWO (2) 2.5°C-4#250, 1#10G      | TWO (2) 3°C-5#250, 1#10G      | TWO (2) 3°C-4#250, 2#10G      |
| 600                                                                                                                                              |  | TWO (2) 2°C-2#350, 1#10G      | TWO (2) 2.5°C-3#350, 1#10G    | TWO (2) 3°C-4#350, 1#10G        | TWO (2) 3°C-5#350, 1#10G      | TWO (2) 3°C-4#350, 2#10G      |
| 800                                                                                                                                              |  | TWO (2) 2.5°C-2#500, 1#10G    | TWO (2) 3°C-3#500, 1#10G      | TWO (2) 3.5°C-4#500, 1#10G      | TWO (2) 3.5°C-5#500, 1#10G    | TWO (2) 3.5°C-4#500, 2#10G    |
| 900                                                                                                                                              |  | THREE (3) 2°C-2#350, 1#20G    | THREE (3) 2.5°C-3#350, 1#20G  | THREE (3) 3°C-4#350, 1#20G      | THREE (3) 3°C-5#350, 1#20G    | THREE (3) 3°C-4#350, 2#20G    |
| 1000                                                                                                                                             |  | THREE (3) 2.5°C-2#500, 1#20G  | THREE (3) 3°C-3#500, 1#20G    | THREE (3) 3.5°C-4#500, 1#20G    | THREE (3) 3.5°C-5#500, 1#20G  | THREE (3) 3.5°C-4#500, 2#20G  |
| 1200                                                                                                                                             |  | FOUR (4) 2.5°C-2#350, 1#30G   | FOUR (4) 3°C-3#350, 1#30G     | FOUR (4) 3.5°C-4#350, 1#30G     | FOUR (4) 3.5°C-5#350, 1#30G   | FOUR (4) 3.5°C-4#350, 2#30G   |
| 1600                                                                                                                                             |  | FIVE (5) 2.5°C-2#500, 1#40G   | FIVE (5) 3°C-3#500, 1#40G     | FIVE (5) 3.5°C-4#500, 1#40G     | FIVE (5) 3.5°C-5#500, 1#40G   | FIVE (5) 3.5°C-4#500, 2#40G   |
| 2000                                                                                                                                             |  | SIX (6) 2.5°C-2#500, 1#250G   | SIX (6) 3°C-3#500, 1#250G     | SIX (6) 3.5°C-4#500, 1#250G     | SIX (6) 4°C-5#500, 1#250G     | SIX (6) 4°C-4#500, 2#250G     |
| 2500                                                                                                                                             |  | SEVEN (7) 2.5°C-2#500, 1#350G | SEVEN (7) 3°C-3#500, 1#350G   | SEVEN (7) 3.5°C-4#500, 1#350G   | SEVEN (7) 4°C-5#500, 1#350G   | SEVEN (7) 4°C-4#500, 2#350G   |
| 3000                                                                                                                                             |  | EIGHT (8) 2.5°C-2#500, 1#500G | EIGHT (8) 3°C-3#500, 1#500G   | EIGHT (8) 3.5°C-4#500, 1#500G   | EIGHT (8) 4°C-5#500, 1#500G   | EIGHT (8) 4°C-4#500, 2#500G   |
| 4000                                                                                                                                             |  | ELEVEN (11) 3°C-2#500, 1#500G | ELEVEN (11) 3°C-3#500, 1#500G | ELEVEN (11) 3.5°C-4#500, 1#500G | ELEVEN (11) 4°C-5#500, 1#500G | ELEVEN (11) 4°C-4#500, 2#500G |
| NOTES:                                                                                                                                           |  |                               |                               |                                 |                               |                               |
| CONDUIT SIZES ARE FOR TYPE THN/THWN COPPER CONDUCTORS ONLY IN RIGID METAL CONDUIT. OTHER CONDUCTOR TYPES AND CONDUIT TYPES MAY REQUIRE LARGER... |  |                               |                               |                                 |                               |                               |

| COPPER MOTOR FEEDER SCHEDULE |     |      |           |                  |                    |                |           |                  |                    |
|------------------------------|-----|------|-----------|------------------|--------------------|----------------|-----------|------------------|--------------------|
| SINGLE PHASE                 |     |      |           |                  |                    |                |           |                  |                    |
| V/HP                         |     | 115V |           |                  |                    | 200V/208V/240V |           |                  |                    |
|                              |     | FLA  | WIRE SIZE | BREAKER SIZE     | CONDUIT AND WIRE   | FLA            | WIRE SIZE | BREAKER SIZE     | CONDUIT AND WIRE   |
| HORSEPOWER                   | 1/6 | 4.4  | 12        | 15               | 0.75"C-2#12, 1#12G | 2.5/2.4/2.2    | 12        | 15               | 0.75"C-2#12, 1#12G |
|                              | 1/4 | 5.8  | 12        | 15               | 0.75"C-2#12, 1#12G | 3.3/3.2/2.9    | 12        | 15               | 0.75"C-2#12, 1#12G |
|                              | 1/3 | 7.2  | 12        | 15               | 0.75"C-2#12, 1#12G | 4.1/4.0/3.6    | 12        | 15               | 0.75"C-2#12, 1#12G |
|                              | 1/2 | 9.8  | 12        | 20               | 0.75"C-2#12, 1#12G | 5.6/5.4/4.9    | 12        | 15               | 0.75"C-2#12, 1#12G |
|                              | 3/4 | 13.8 | 12        | 25               | 0.75"C-2#12, 1#12G | 7.9/7.6/6.9    | 12        | 15               | 0.75"C-2#12, 1#12G |
|                              | 1   | 16   | 12        | 30               | 0.75"C-2#12, 1#12G | 9.2/8.8/8.0    | 12        | 15               | 0.75"C-2#12, 1#12G |
|                              | 1.5 | 20   | 10        | 40               | 0.75"C-2#10, 1#10G | 11.5/11.0/10.0 | 12        | 20               | 0.75"C-2#12, 1#12G |
|                              | 2   | 24   | 10        | 50               | 0.75"C-2#10, 1#10G | 13.8/13.2/12.2 | 12        | 20               | 0.75"C-2#12, 1#12G |
|                              | 3   | 34   | 6         | 70               | 0.75"C-2#6, 1#6G   | 19.6/18.7/17   | 10        | 30               | 0.75"C-2#10, 1#10G |
|                              | 5   | 56   | 4         | 90               | 1"C-2#4, 1#6G      | 32.2/30.8/28   | 6         | 60               | 0.75"C-2#6, 1#10G  |
| 7.5                          | 80  | 3    | 110       | 1.25"C-2#3, 1#6G | 46/44/40           | 4              | 80        | 0.75"C-2#4, 1#6G |                    |
| 10                           | --  | --   | --        | --               | 57.5/55/50         | 3              | 90        | 1"C-2#3, 1#6G    |                    |

NOTES:

CONDUIT SIZES ARE FOR TYPE THHN/THWN COPPER CONDUCTORS ONLY IN RIGID METAL CONDUIT. OTHER CONDUIT TYPES AND CONDUIT TYPES MAY REQUIRE LARGER CONDUITS.

| COPPER MOTOR FEEDER SCHEDULE                                                                                                                             |         |             |             |                         |                           |             |             |                         |                         |             |           |                         |                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|-------------|-------------------------|---------------------------|-------------|-------------|-------------------------|-------------------------|-------------|-----------|-------------------------|------------------|--|
| VHP                                                                                                                                                      |         | THREE PHASE |             |                         |                           |             |             |                         |                         |             |           |                         |                  |  |
|                                                                                                                                                          |         | 200V/208V   |             |                         |                           | 230V        |             |                         |                         | 460V        |           |                         |                  |  |
|                                                                                                                                                          |         | FLA         | WIRE SIZE   | BREAKER SIZE            | CONDUIT AND WIRE          | FLA         | WIRE SIZE   | BREAKER SIZE            | CONDUIT AND WIRE        | FLA         | WIRE SIZE | BREAKER SIZE            | CONDUIT AND WIRE |  |
| HORSEPOWER                                                                                                                                               | 1/2     | 2.5/2.4     | 12          | 15                      | 0.75"3-#12,1#12G          | 2.2         | 12          | 15                      | 0.75"3-#12,1#12G        | 1.1         | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 3/4     | 3.7/3.5     | 12          | 15                      | 0.75"3-#12,1#12G          | 3.2         | 12          | 15                      | 0.75"3-#12,1#12G        | 1.6         | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 1       | 4.8/4.6     | 12          | 15                      | 0.75"3-#12,1#12G          | 4.2         | 12          | 15                      | 0.75"3-#12,1#12G        | 2.1         | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 1.5     | 6.9/6.6     | 12          | 15                      | 0.75"3-#12,1#12G          | 6           | 12          | 15                      | 0.75"3-#12,1#12G        | 3           | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 2       | 7.8/7.5     | 12          | 15                      | 0.75"3-#12,1#12G          | 6.8         | 12          | 15                      | 0.75"3-#12,1#12G        | 3.4         | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 3       | 11/10.6     | 12          | 20                      | 0.75"3-#12,1#12G          | 9.6         | 12          | 20                      | 0.75"3-#12,1#12G        | 4.8         | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 5       | 17.5/16.7   | 10          | 35                      | 0.75"3-#10,1#10G          | 15.2        | 12          | 30                      | 0.75"3-#12,1#12G        | 7.6         | 12        | 15                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 7.5     | 25.3/24.2   | 8           | 50                      | 0.75"3-#8,1#8G            | 22          | 10          | 45                      | 0.75"3-#10,1#10G        | 11          | 12        | 20                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 10      | 32.2/30.8   | 6           | 60                      | 0.75"3-#6,1#10G           | 28          | 8           | 60                      | 0.75"3-#8,1#10G         | 14          | 12        | 25                      | 0.75"3-#12,1#12G |  |
|                                                                                                                                                          | 15      | 48.3/46.2   | 4           | 90                      | 1"3-#4,1#8G               | 42          | 6           | 80                      | 0.75"3-#6,1#8G          | 21          | 10        | 40                      | 0.75"3-#10,1#10G |  |
|                                                                                                                                                          | 20      | 62.1/59.4   | 3           | 100                     | 1.25"3-#3,1#8G            | 54          | 4           | 90                      | 1"3-#4,1#8G             | 27          | 8         | 60                      | 0.75"3-#8,1#10G  |  |
|                                                                                                                                                          | 25      | 78.2/74.8   | 1           | 110                     | 1.25"3-#1,1#6G            | 68          | 4           | 100                     | 1"3-#4,1#8G             | 34          | 6         | 70                      | 0.75"3-#6,1#8G   |  |
|                                                                                                                                                          | 30      | 92/88       | 2           | 125                     | 1.25"3-#2,1#6G            | 80          | 3           | 110                     | 1.25"3-#3,1#6G          | 40          | 6         | 80                      | 0.75"3-#6,1#8G   |  |
|                                                                                                                                                          | 40      | 120/114     | 1/0         | 175                     | 1.5"3-#1/0,1#6G           | 104         | 1           | 150                     | 1.25"3-#1,1#6G          | 52          | 4         | 90                      | 1"3-#4,1#8G      |  |
|                                                                                                                                                          | 50      | 150/143     | 3/0         | 200                     | 2"3-#3/0,1#6G             | 130         | 2/0         | 200                     | 2"3-#2/0,1#6G           | 65          | 3         | 100                     | 1.25"3-#3,1#8G   |  |
|                                                                                                                                                          | 75      | 177/169     | 4/0         | 250                     | 2"3-#4/0,1#4G             | 154         | 3/0         | 225                     | 2"3-#3/0,1#4G           | 77          | 1         | 110                     | 1.25"3-#1,1#6G   |  |
|                                                                                                                                                          | 75      | 221/211     | 300         | 300                     | 2.5"3-#300,1#4G           | 192         | 250         | 250                     | 2.5"3-#250,1#4G         | 96          | 1         | 125                     | 1.25"3-#1,1#6G   |  |
|                                                                                                                                                          | 100     | 285/273     | 500         | 400                     | 3"3-#500,1#5G             | 248         | 350         | 350                     | 3"3-#350,1#4G           | 124         | 2/0       | 200                     | 2"3-#2/0,1#6G    |  |
|                                                                                                                                                          | 125     | 359/343     | TWO (2) 4/0 | 600                     | TWO (2) 2"3-#4/0,1#1/0G   | 312         | TWO (2) 3/0 | 450                     | TWO (2) 2"3-#3/0,1#1/0G | 156         | 3/0       | 225                     | 2"3-#3/0,1#5G    |  |
|                                                                                                                                                          | 150     | 414/396     | TWO (2) 300 | 600                     | TWO (2) 2.5"3-#300,1#1/0G | 360         | TWO (2) 4/0 | 600                     | TWO (2) 2"3-#4/0,1#1/0G | 180         | 4/0       | 250                     | 2"3-#4/0,1#5G    |  |
| 200                                                                                                                                                      | 562/528 | TWO (2) 500 | 800         | TWO (2) 3"3-#500,1#1/0G | 480                       | TWO (2) 350 | 800         | TWO (2) 3"3-#350,1#1/0G | 240                     | 350         | 350       | 3"3-#350,1#3G           |                  |  |
| 250                                                                                                                                                      | --      | --          | --          | --                      | --                        | --          | --          | --                      | 302                     | 500         | 450       | 3"3-#500,1#2G           |                  |  |
| 300                                                                                                                                                      | --      | --          | --          | --                      | --                        | --          | --          | --                      | 361                     | TWO (2) 4/0 | 600       | TWO (2) 2"3-#4/0,1#1/0G |                  |  |
| 350                                                                                                                                                      | --      | --          | --          | --                      | --                        | --          | --          | --                      | 414                     | TWO (2) 300 | 700       | TWO (2) 3"3-#300,1#1/0G |                  |  |
| 400                                                                                                                                                      | --      | --          | --          | --                      | --                        | --          | --          | --                      | 477                     | TWO (2) 350 | 700       | TWO (2) 3"3-#350,1#1/0G |                  |  |
| 450                                                                                                                                                      | --      | --          | --          | --                      | --                        | --          | --          | --                      | 515                     | TWO (2) 400 | 800       | TWO (2) 3"3-#400,1#1/0G |                  |  |
| 500                                                                                                                                                      | --      | --          | --          | --                      | --                        | --          | --          | --                      | 590                     | TWO (2) 500 | 1000      | TWO (2) 3"3-#500,1#2/0G |                  |  |
| NOTES:                                                                                                                                                   |         |             |             |                         |                           |             |             |                         |                         |             |           |                         |                  |  |
| CONDUIT SIZES ARE FOR TYPE THHN/THWN COPPER CONDUCTORS ONLY IN RIGID METAL CONDUIT. OTHER CONDUCTOR TYPES AND CONDUIT TYPES MAY REQUIRE LARGER CONDUITS. |         |             |             |                         |                           |             |             |                         |                         |             |           |                         |                  |  |

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

PRINT NAME: MICHAEL T. FITZPATRICK

SIGNATURE: *Michael T. Fitzpatrick*

DATE: 05/09/2023 LIC. NO.: 53078

| NO.       | REVISION  | DATE |
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| SURVEY    | -         |      |
| DRAWN     | AB        |      |
| DESIGNED  | CWO       |      |
| CHECKED   | MTF       |      |
| APPROVED  | MTF       |      |
| PROJ. NO. | 193805386 |      |



Plot Date: 5/10/2023 12:18:24 PM  
File Path: BIM 360://193805386\_WTP\_Chaska/193805386e-md.rvt

PRINT NAME: MICHAEL I. FITZPATRICK

SIGNATURE: *Michael I. FitzPatrick*

DATE: 05/09/2023 LIC. NO. 53078

| NO.       | REVISION | DATE |
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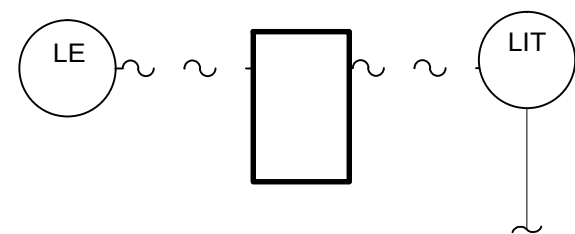
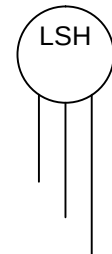
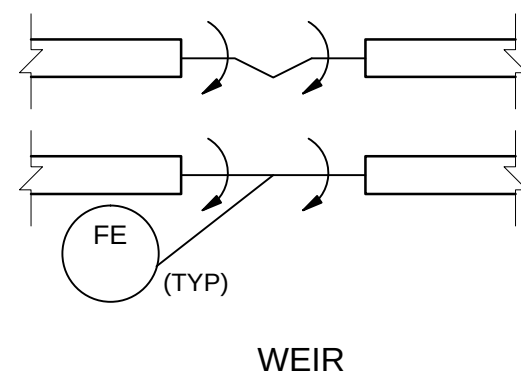
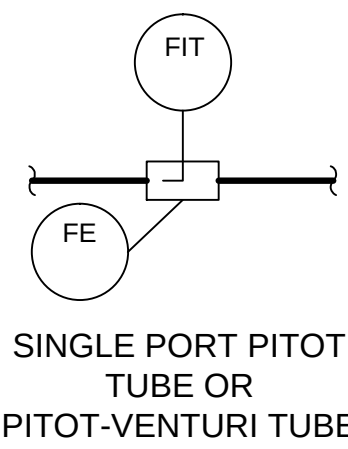
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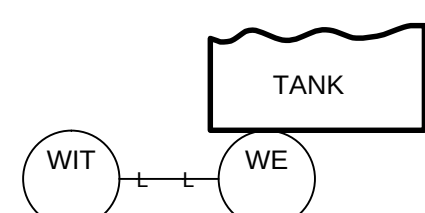




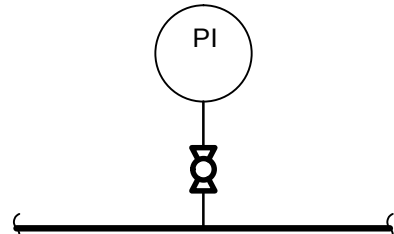
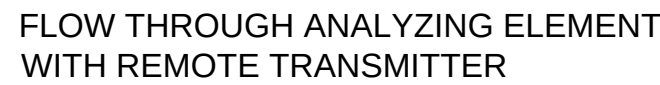
## LEVEL INSTRUMENTS



## WEIGHT INSTRUMENTS



## ANALYTICAL INSTRUMENTS



|                               |                        |
|-------------------------------|------------------------|
| ALK                           | ALKALINITY             |
| CL <sub>2</sub>               | CHLORINE CONCENTRATION |
| COMB                          | COMBUSTIBLE GAS        |
| COND                          | CONDUCTIVITY           |
| COD                           | CHEMICAL OXYGEN DEMAND |
| DO                            | DISSOLVED OXYGEN       |
| HC                            | HYDROCARBON            |
| H <sub>2</sub> O <sub>2</sub> | HYDROGEN PEROXIDE      |
| H <sub>2</sub> S              | HYDROGEN SULFIDE       |

|                             |                                 |
|-----------------------------|---------------------------------|
| LEL                         | LOWER EXPLOSIVE LIMIT           |
| $\text{NO}_3 / \text{NO}_2$ | NITRATE / NITRITE               |
| $\text{NH}_3 / \text{NH}_4$ | AMMONIA / AMMONIUM              |
| $\text{O}_2$                | OXYGEN CONCENTRATION            |
| $\text{O}_3$                | OZONE                           |
| ORP                         | OXIDATION - REDUCTION POTENTIAL |
| PC                          | PARTICLE COUNT                  |
| pH                          | HYDROGEN ION CONCENTRATION      |
| SCU                         | STREAMING CURRENT UNIT          |
| SO                          | SULFUR DIOXIDE                  |
| TH 2                        | TOTAL HARDNESS                  |
| TKN                         | TOTAL KJELDAHL NITROGEN         |
| TN                          | TOTAL NITROGEN                  |
| TOC                         | TOTAL ORGANIC CARBON            |
| TURB                        | TURBIDITY                       |
| TSS                         | TOTAL SUSPENDED SOLIDS          |
| UVI                         | ULTRA VIOLET INTENSITY          |
| UVT                         | ULTRA VIOLET TRANSMITTANCE      |

NOTE : IN THE CASE WHERE MULTIPLE SENSORS ARE TIED TO A SINGLE TRANSMITTER OR IN THE CASE OF GAS DETECTION, THE ANALYTIC CALLOUT WILL BE ASSIGNED TO THE SENSOR.

**Stantec**  
733 Marquette Avenue, Suite 1000  
Minneapolis, MN 55402  
[www.stantec.com](http://www.stantec.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 RAR  
 UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: RAMI A. REDDY

SIGNATURE: *Rami A. Reddy*

DATE: 2023.05.09 LIC. NO. 58786

CITY OF CHASKA, MINNESOTA

| NO | REVISION | DATE |
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| SURVEY    |           |
| DRAWN     | SM        |
| DESIGNED  | TC        |
| CHECKED   | AY        |
| APPROVED  | RAR       |
| PROJ. NO. | 193805386 |

SHEET NUMBER  
**N002**







Plot Date: 05/10/2023 - 5:55pm  
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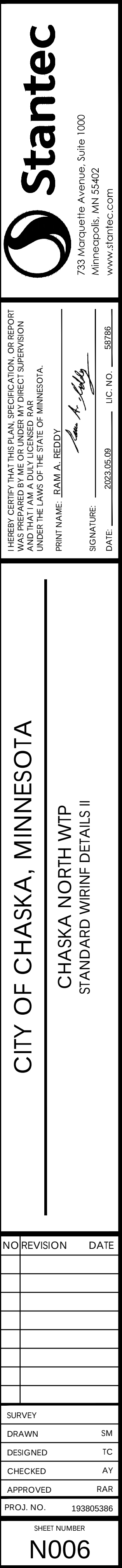
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Plot Date: 05/10/2023 - 5:56pm  
Drawing name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG Instrumentation Sheet Files\N006.dwg  
Xrefs: 193805386\_P3D\_bdr





Plot Date: 05/10/2023 - 5:56pm  
Drawing name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG \Instrumentation Sheet Files\N007.dwg



- A. PROVIDE REMOTE SITE PC PANEL. SEE INSTRUMENTATION DRAWINGS AND DIVISION 40 SPECIFICATIONS FOR REQUIREMENTS.
- B. PROVIDE AUTODIALER ANTENNA CABLE BY VENDOR WITH UNIT.
- C. INTERNET SERVICE BY OWNER.

### LEGEND

ETHERNET CABLE

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

—

James A. Colby

1

9 I.C. NO. 58786

CITY OF CHASKA, MINNESOTA

# CHASKA NORTH WTP CONTROL RISER DIAGRAM

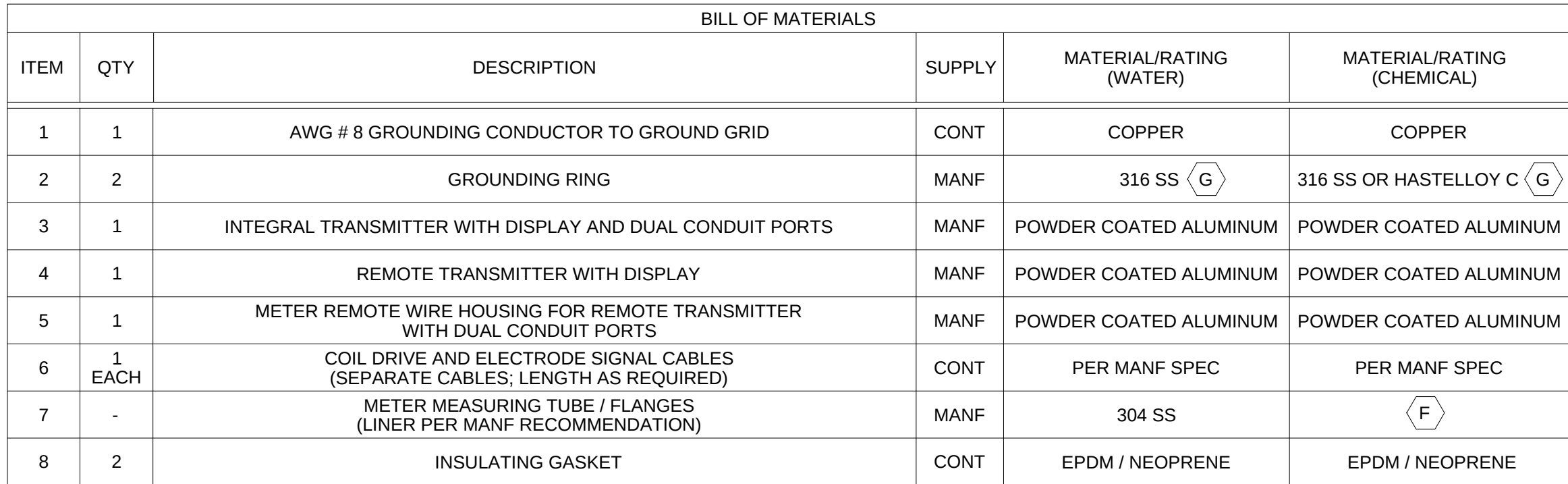
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| SURVEY    |           |      |
| DRAWN     |           | SM   |
| DESIGNED  |           | TC   |
| CHECKED   |           | AY   |
| APPROVED  |           | RAF  |
| PROJ. NO. | 193805386 |      |

SHEET NUMBER

N007



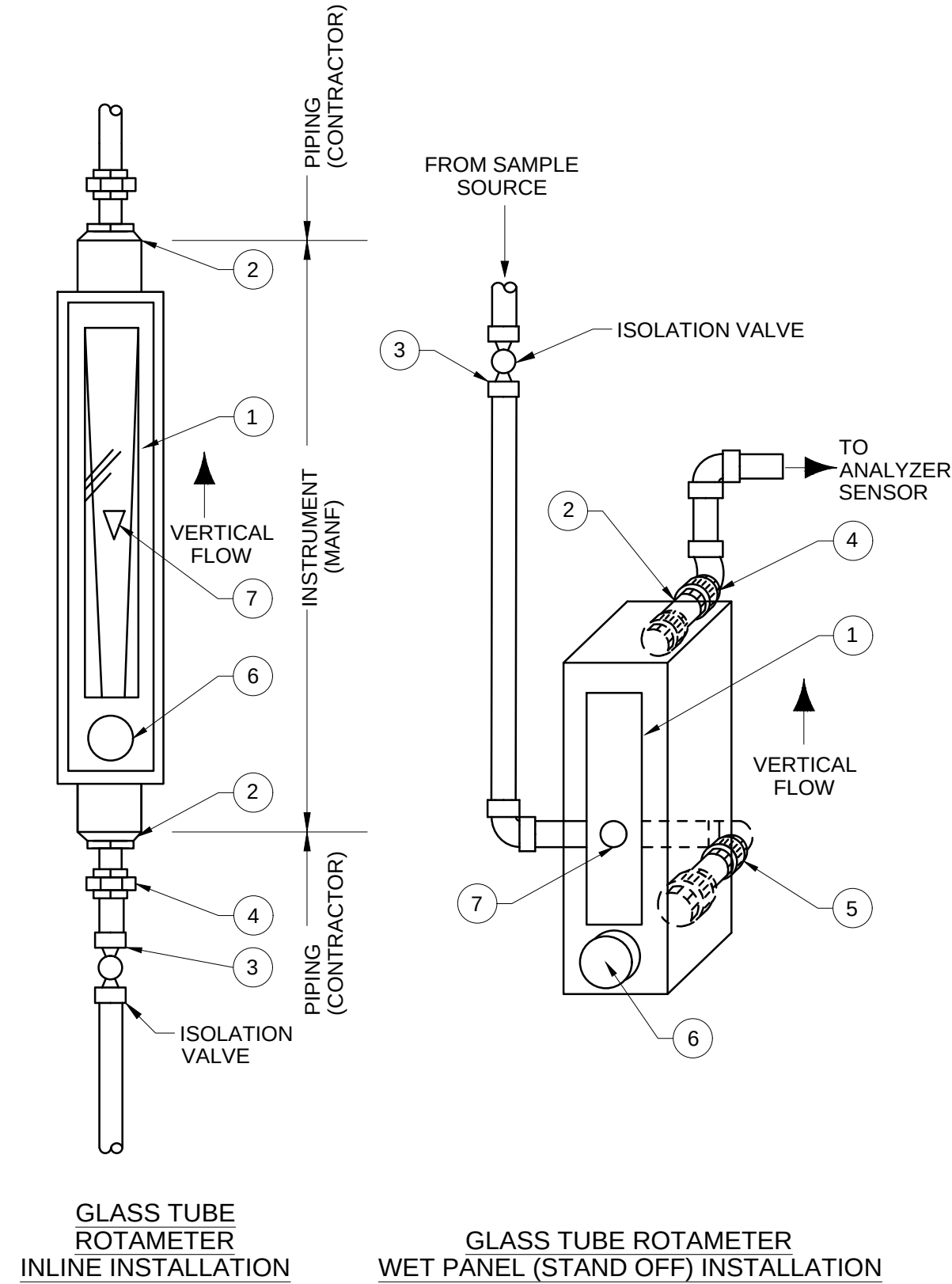
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Drawing name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG \Instrumentation Sheet Files\N501.dwg



I-101 MAGNETIC FLOW METER  
REV 010119



THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.



GENERAL NOTES:

- WETTED MATERIALS SHALL BE CHEMICALLY INERT TO THE PROCESS.
- REFER TO P&IDS AND DATA SHEETS FOR PROCESS PIPING SIZE AND MATERIAL.
- INSTALLATION OF ANY FLANGED UNITS SHALL BE CARRIED OUT IN COOPERATION WITH THE PIPING CONTRACTOR.

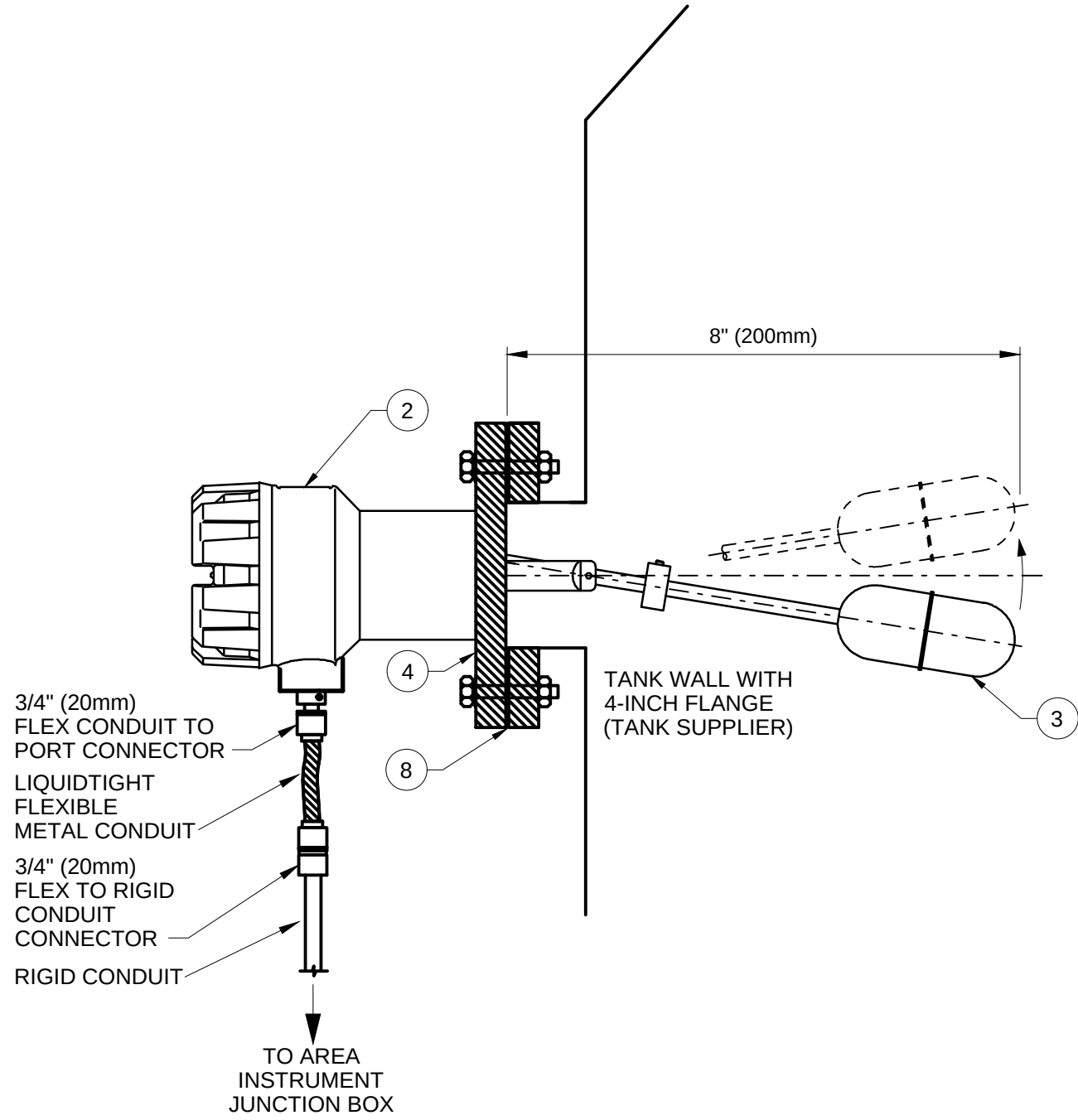
KEYNOTES:

- A. MATERIAL SELECTION AND SIZE SUBJECT TO PROCESS, PROCESS CONDITIONS AND INSTALLATION ENVIRONMENT.

| BILL OF MATERIALS |     |                                  |            |                           |                                            |
|-------------------|-----|----------------------------------|------------|---------------------------|--------------------------------------------|
| ITEM              | QTY | DESCRIPTION                      | SUPPLY     | MATERIAL / RATING (WATER) | MATERIAL / RATING (CHEMICAL)               |
| 1                 | 1   | CALIBRATED GLASS TUBE ENCLOSURE  | MANF       | 316 SS BODY               | 316 SS / POLY-CARBONATE BODY (INDOOR ONLY) |
| 2                 | 2   | THREADED END FITTING (FNPT)      | MANF       | 316 SS                    | 316 SS / PVC                               |
| 3                 | 3   | BALL ISOLATION VALVE             | CONTRACTOR | A                         | A                                          |
| 4                 | AR  | PIPING UNION                     | CONTRACTOR | A                         | A                                          |
| 5                 | AR  | PIPING ELBOW                     | CONTRACTOR | A                         | A                                          |
| 6                 | 1   | INTEGRAL ADJUSTMENT NEEDLE VALVE | MANF       | PER MANF                  | PER MANF                                   |
| 7                 | 1   | INTEGRAL FLOAT                   | MANF       | 316 SS                    | 316 SS / GLASS / PVDF                      |

I-106 ROTAMETER

REV 010119



SIDE MOUNT FLANGE INSTALLATION

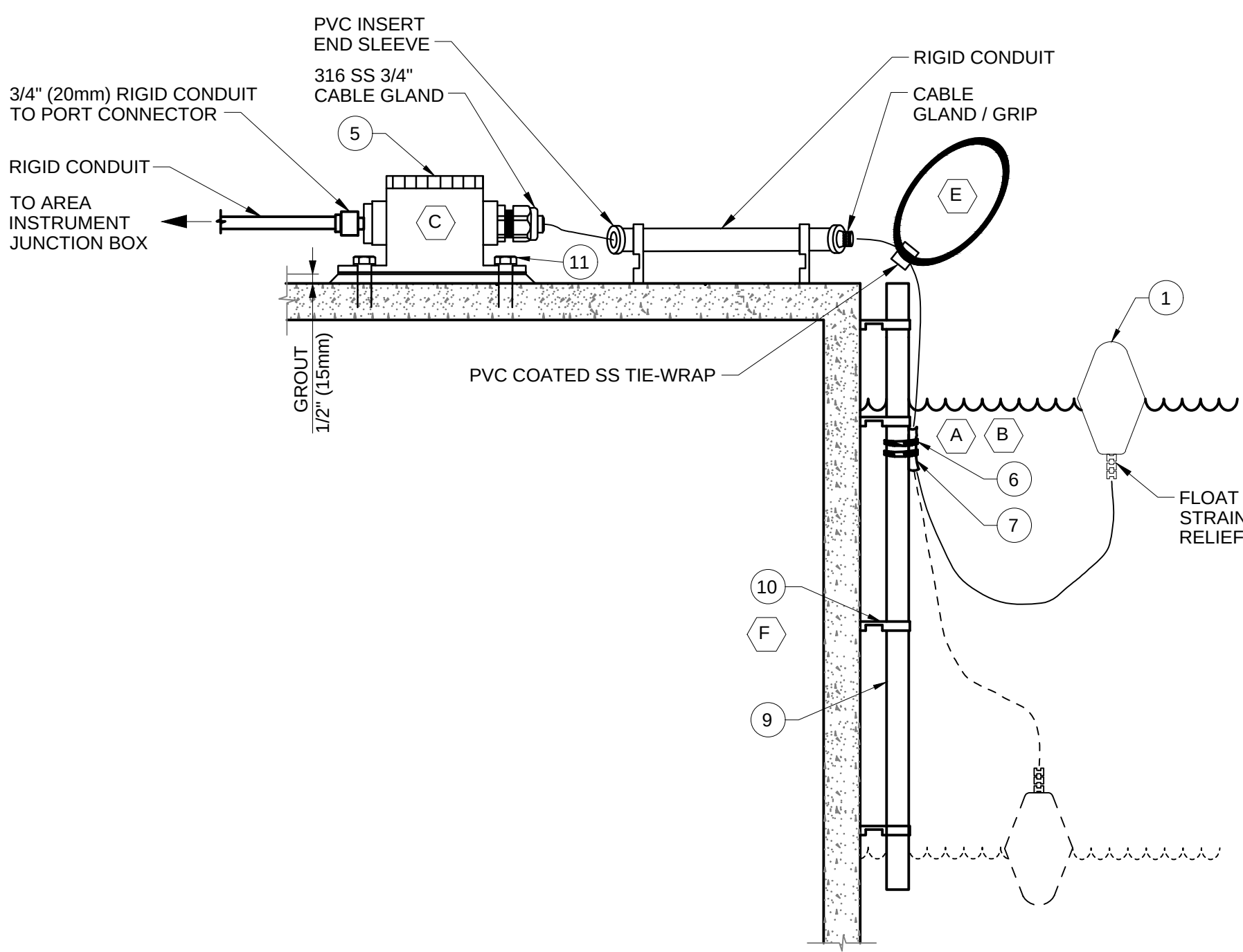
GENERAL NOTES:

- PROVIDE MECHANICAL SUPPORT AND FITTINGS FOR ROUTED CONDUIT.
- SWITCHES SHALL BE MOUNTED AND ORIENTED IN ACCORDANCE WITH THE MANUFACTURER REQUIREMENTS.
- INSTALLATION OF ANY FLANGED UNITS SHALL BE CARRIED OUT IN COOPERATION WITH THE PIPING AND/ OR TANK SUPPLIER CONTRACTOR.
- WETTED MATERIALS SHALL BE CHEMICALLY INERT TO THE PROCESS.
- REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
- REFER TO TANK MECHANICAL DATA SHEETS OR DETAILS FOR TANK NOZZLE SIZE AND SPACING. INSTRUMENT INSTALLATION IN THE TANK MANWAY IS NOT PERMITTED.
- USE PVC COATED SS TIE-WRAPPS TO NEATLY COIL AND SECURE ANY EXCESS FLOAT CABLING AS SHOWN.

| BILL OF MATERIALS |     |                                                                                                                              |        |                         |                            |
|-------------------|-----|------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------------------------|
| ITEM              | QTY | DESCRIPTION                                                                                                                  | SUPPLY | MATERIAL/RATING (WATER) | MATERIAL/RATING (CHEMICAL) |
| 1                 | 1   | SUSPENDED BALL FLOAT SWITCH WITH INTEGRAL CABLE                                                                              | MANF   | PVC                     | PVC                        |
| 2                 | 1   | FLOAT SWITCH HOUSING                                                                                                         | MANF   | EPOXY COATED ALUMINUM   | EPOXY COATED ALUMINUM      |
| 3                 | 1   | TIPPING FLOAT                                                                                                                | MANF   | 316 SS                  | D                          |
| 4                 | 1   | 4" (DN100) DIA THREADED FLANGE AND MOUNTING HARDWARE                                                                         | MANF   | 316 SS                  | D                          |
| 5                 | AR  | LOCKABLE SCREW LID TERMINAL JUNCTION BOX WITH DIN-RAIL MOUNTED TERMINAL BLOCK (MIN DIMENSIONS: 2" (53mm) (h)x4" (110mm) (Ø)) | MANF   | NEMA 4X / GRP           | NEMA 4X / GRP              |
| 6                 | AR  | CABLE TIES                                                                                                                   | CONT   | PVC COATED 316 SS       | PVC COATED 316 SS          |
| 7                 | 1   | ADJUSTABLE STRAIN RELIEF                                                                                                     | MANF   | NEOPRENE                | NEOPRENE                   |
| 8                 | AR  | FLANGE GASKET                                                                                                                | CONT   | VITON                   | VITON                      |
| 9                 | 1   | FLOAT SUPPORT PIPE                                                                                                           | CONT   | PVC (SCH 80)            | PVC (SCH 80)               |
| 10                | AR  | MOUNTING BRACKET WITH 5/8" (16mm) SS ANCHOR BOLTS F                                                                          | CONT   | 316 SS                  | 316 SS                     |
| 11                | AR  | SS BOLTS / ANCHORS                                                                                                           | CONT   | 316 SS                  | 316 SS                     |

I-151 FLOAT LEVEL DETECTION SWITCH

REV 010119



SUSPENDED FLOAT

KEYNOTES:

- A. POSITION THE ADJUSTABLE STRAIN RELIEF ON THE CABLE TO ALLOW ONE HALF THE DISTANCE OF THE DIFFERENTIAL BAND BETWEEN THE END OF THE ADJUSTABLE STRAIN RELIEF AND THE END OF THE STRAIN RELIEF ON THE FLOAT.
- B. FOR SUSPENDED FLOAT, PROVIDE CABLE TIE AT MIDPOINT AND TOP OF ADJUSTABLE STRAIN RELIEF AS SHOWN, PLUS ONE CABLE TIE FOR EVERY 12" (300mm) OF CABLE LENGTH.
- C. TERMINAL JUNCTION BOX SHALL BE WALL OR FLOOR MOUNTED IN EASILY ACCESSED LOCATION WITHIN 30 FEET (10 METERS) OF INSTRUMENT INSTALLATION. FOR FLOOR MOUNT PROVIDE 1/2" (15mm) THICK GROUTING. FOR WALL MOUNT, LOCATE APPROXIMATELY 36" (1 METER) ABOVE GRADE. IF AREA INSTRUMENT JUNCTION BOX IS WITHIN 33 FEET (10 METERS) OF INSTRUMENT INSTALLATION, TERMINAL BOX WILL NOT BE REQUIRED AND INSTRUMENT CABLE MUST BE ROUTED WITHOUT SPLICE OF ANY KIND.
- D. 316 SS OR HASTELLOY C PREFERRED. HOWEVER ENGINEER APPROVED FINAL SELECTION BASED ON MATERIAL CHEMICAL COMPATIBILITY.
- E. MAINTENANCE LOOP SHALL INCLUDE 3 FEET (1 METER) LENGTH OF CABLE SECURED WITH PVC-COATED SS TIE WRAPS, BEND RADIUS NO LESS THAN 8" (200mm).
- F. PROVIDE MOUNTING BRACKET SUPPORT FOR EVERY 3FT (1M) OF PIPE LENGTH.

Plot Date: 05/10/2023 - 5:56pm  
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User: 193805386\_PJD\_tdr

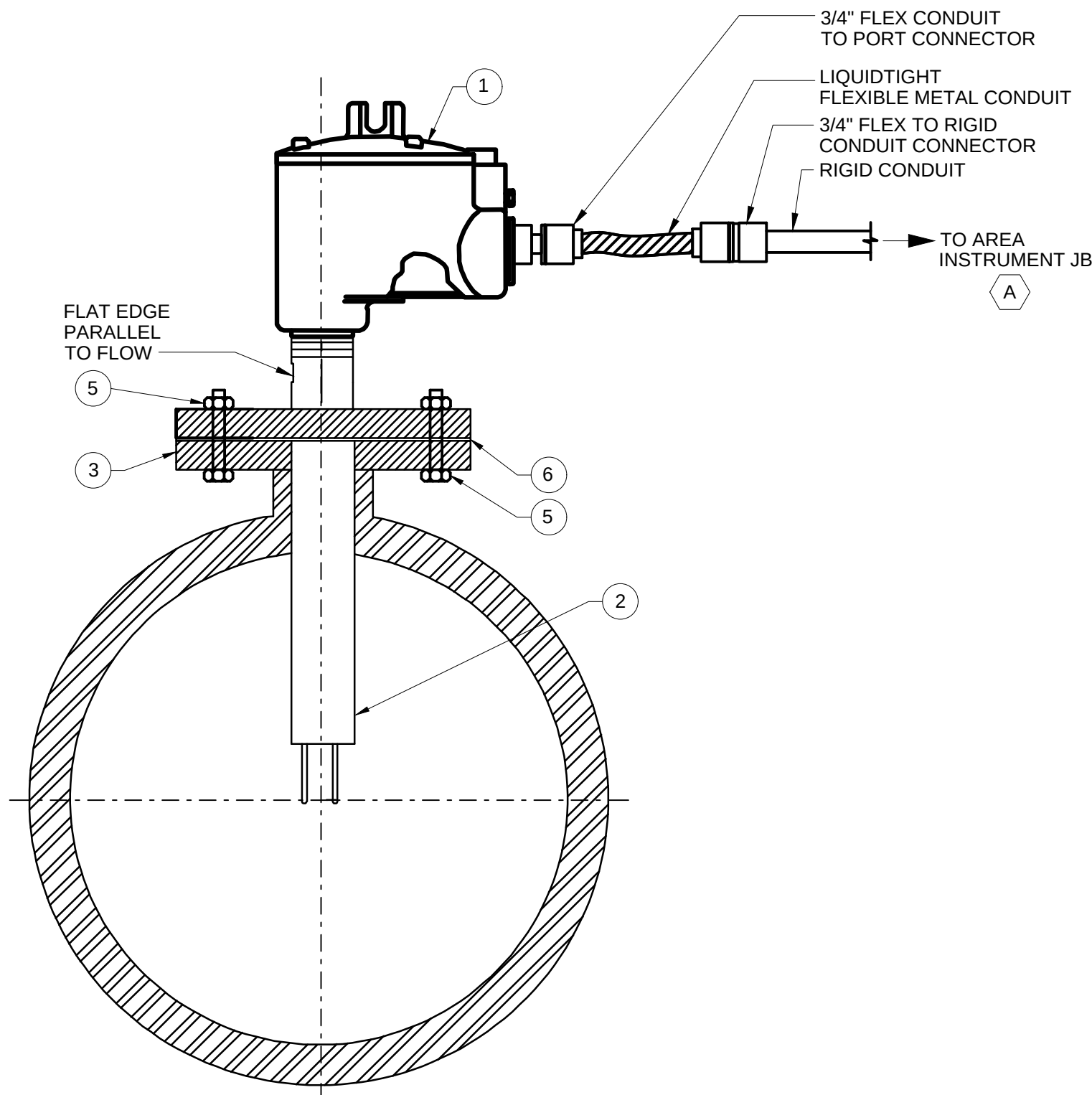
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SURVEY  
DRAWN SM  
DESIGNED TC  
CHECKED AY  
APPROVED RAR  
PROJ. NO. 193805386

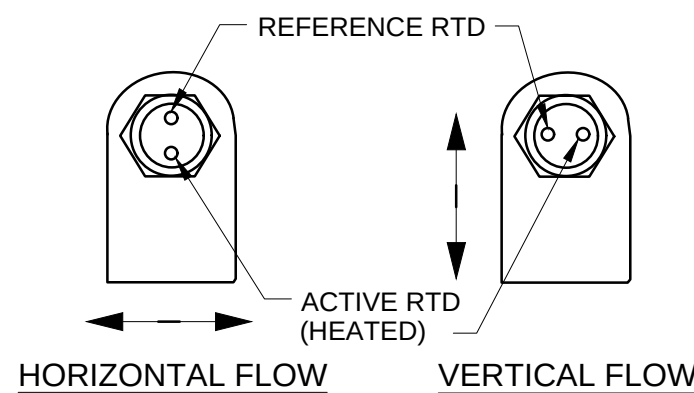
SHEET NUMBER

N502





FLANGED PIPE MOUNT



SENSOR ORIENTATION  
(TOP VIEW)

GENERAL NOTES:

1. PROVIDE MECHANICAL SUPPORT FOR ROUTED CONDUIT.
2. REFER TO P&IDS AND DATA SHEETS FOR PROCESS PIPING SIZE AND MATERIAL.
3. INSTALLATION OF FLANGED ELEMENTS SHALL BE CARRIED OUT IN COOPERATION WITH THE PIPING CONTRACTOR WITH ISOLATION OF DISSIMILAR MATERIALS ACCOMMODATED AS NECESSARY.
4. WETTED MATERIALS SHALL BE CHEMICALLY INERT TO THE PROCESS.
5. REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
6. APPLY SEALANT TO MALE THREADS.
7. ENSURE INSTALLED PROBE AND ELECTRONICS ARE A VENDOR MATCHED PAIR.



KEYNOTES:

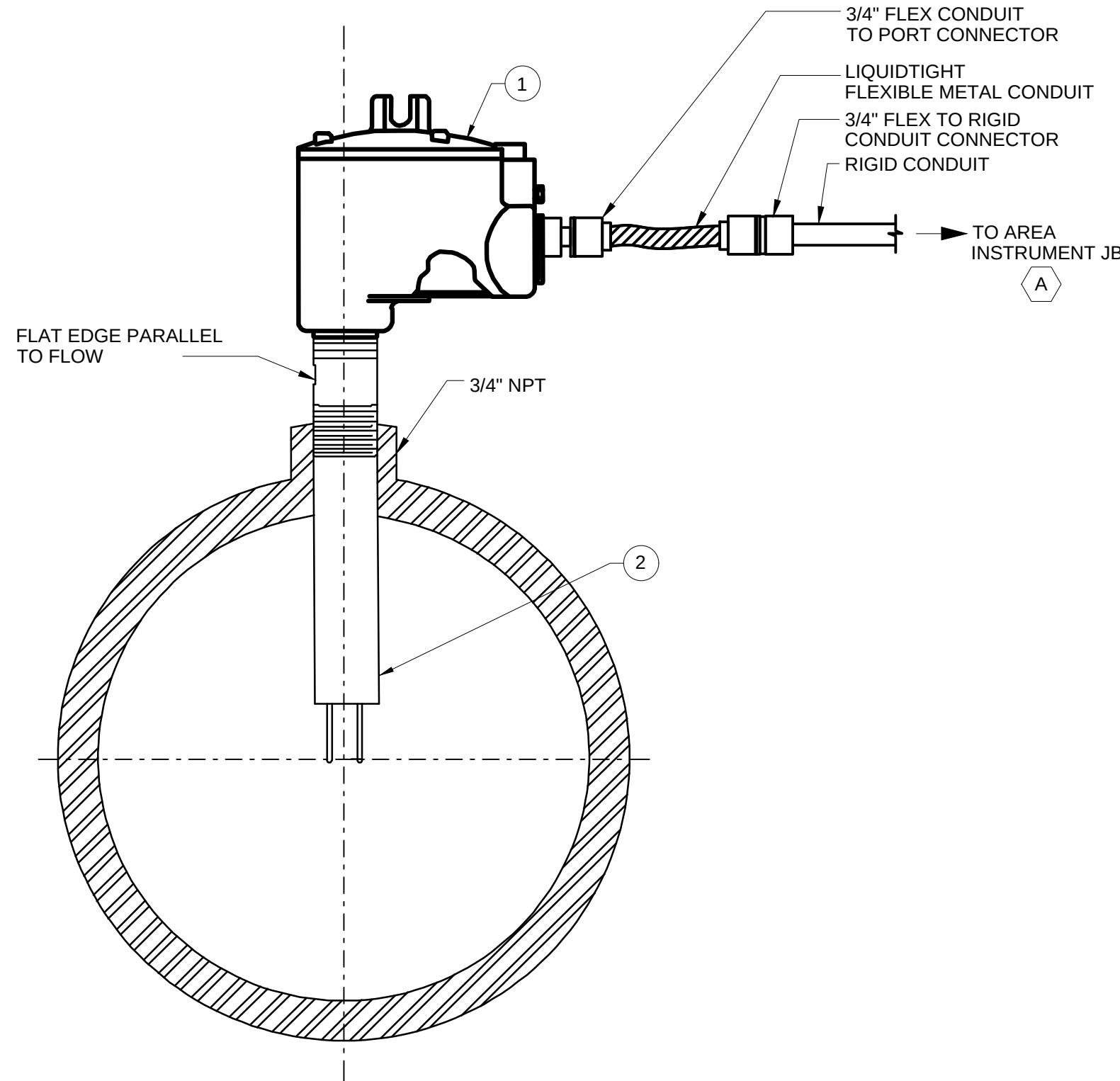
- A. 4 WIRE DEVICE EMPLOYING 24VDC OR 120VAC POWER. REFER TO INSTRUMENT SPECS OR DATASHEET.

| BILL OF MATERIALS |     |                                                             |        |                                |                                   |
|-------------------|-----|-------------------------------------------------------------|--------|--------------------------------|-----------------------------------|
| ITEM              | QTY | DESCRIPTION                                                 | SUPPLY | MATERIAL/<br>RATING<br>(WATER) | MATERIAL/<br>RATING<br>(CHEMICAL) |
| 1                 | 1   | THERMAL FLOW SWITCH ELECTRONIC HOUSING                      | MANF   | EPOXY COATED ALUMINUM          | EPOXY COATED ALUMINUM             |
| 2                 | 1   | SENSOR (LENGTH AS RECOMMENDED BY MANUFACTURER)              | MANF   | 316 SS                         | 316 SS OR HASTELLOY C             |
| 3                 | AR  | THREADED INSTRUMENT FLANGE (RATING PER PROCESS REQUIREMENT) | MANF   | 316 SS                         | 316 SS OR PVC                     |
| 4                 | 1   | THREADED PROCESS CONNECTION TEE (2x1" MNPT PORTS)           | MANF   | 316 SS                         | 316 SS OR HASTELLOY C             |
| 5                 | AR  | FLANGE BOLTS                                                | CONT   | 316 SS                         | 316 SS                            |
| 6                 | 1   | GASKET                                                      | CONT   | VITON                          | VITON                             |

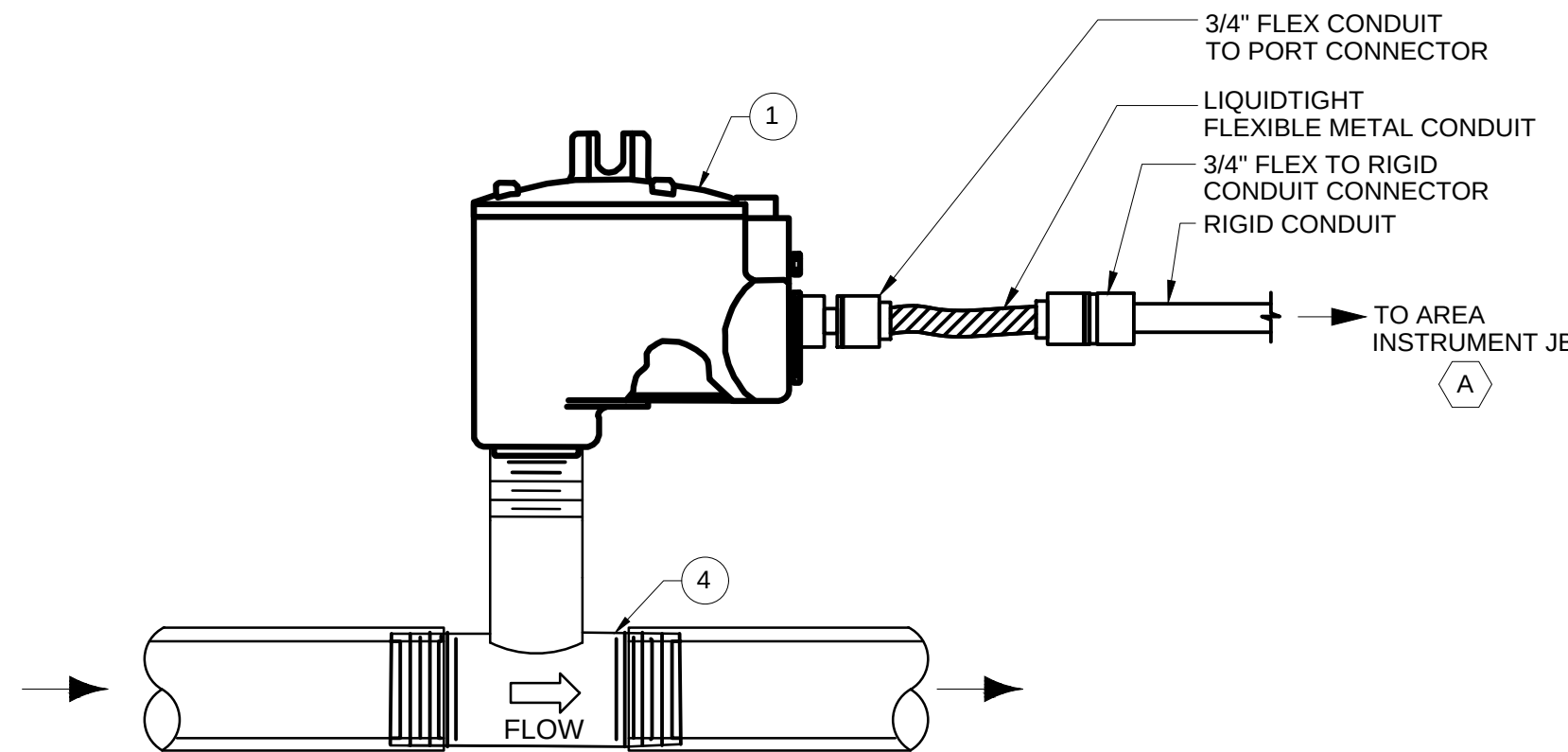
I-152

THERMAL TYPE FLOW DETECTION SWITCH

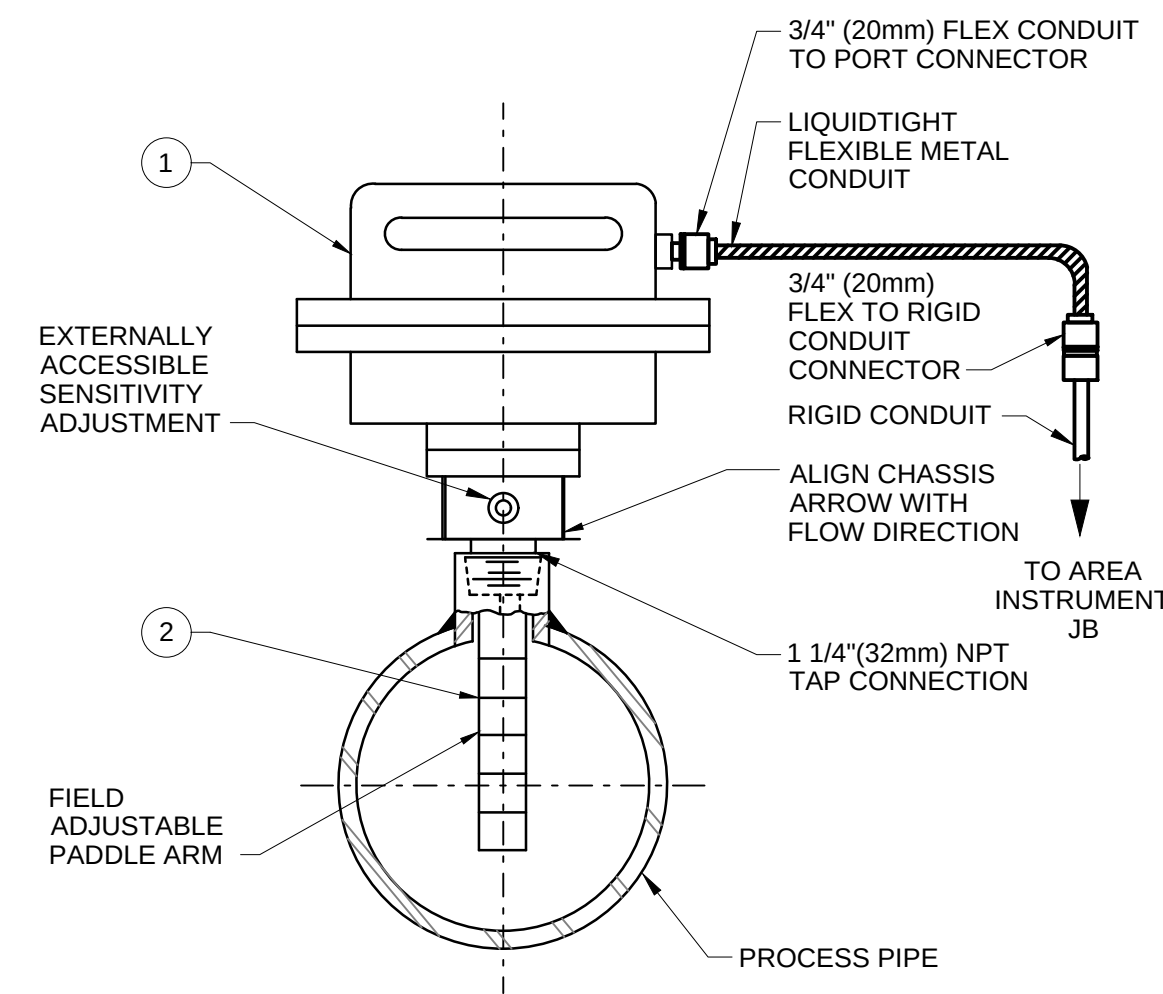
REV 010119



NPT PIPE THREAD MOUNT



TEE AND SOCKET MOUNT  
(IN-LINE FLOW ELEMENT)



GENERAL NOTES:

1. INSTALL UPRIGHT IN HORIZONTAL PIPE SECTION WITH MINIMUM OF 5 PIPE DIAMETERS UPSTREAM AND DOWNSTREAM.
2. FIELD TRIM PADDLE ARM AS NECESSARY TO MEET MANUFACTURER'S RECOMMENDED LENGTH FOR APPLICATION.
3. REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
4. APPLY SEALANT TO MALE THREADS.



KEYNOTES:

- A. 316 SS PREFERRED. HOWEVER ENGINEER APPROVED FINAL SELECTION BASED ON PROCESS TEMPERATURE, MAX FLOW VELOCITY AND MATERIAL CHEMICAL COMPATIBILITY.

| BILL OF MATERIALS |     |                                 |        |                                |                                   |
|-------------------|-----|---------------------------------|--------|--------------------------------|-----------------------------------|
| ITEM              | QTY | DESCRIPTION                     | SUPPLY | MATERIAL/<br>RATING<br>(WATER) | MATERIAL/<br>RATING<br>(CHEMICAL) |
| 1                 | 1   | PADDLE FLOW SWITCH HOUSING      | MANF   | EPOXY COATED ALUMINUM          | EPOXY COATED ALUMINUM             |
| 2                 | 1   | PADDLE FLOW SWITCH WETTED PARTS | MANF   | 316 SS                         | A                                 |

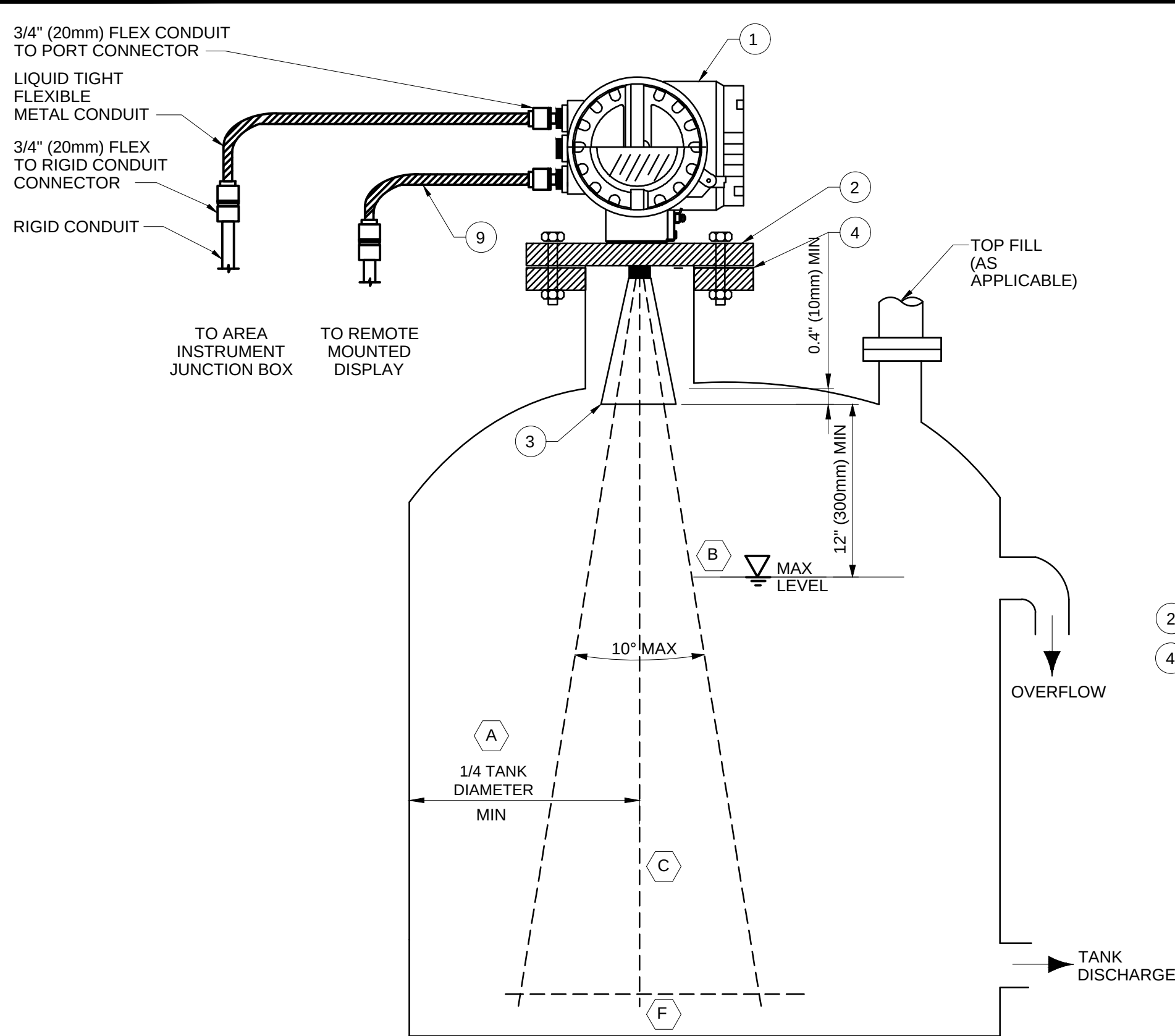
I-153

PADDLE FLOW DETECTION SWITCH

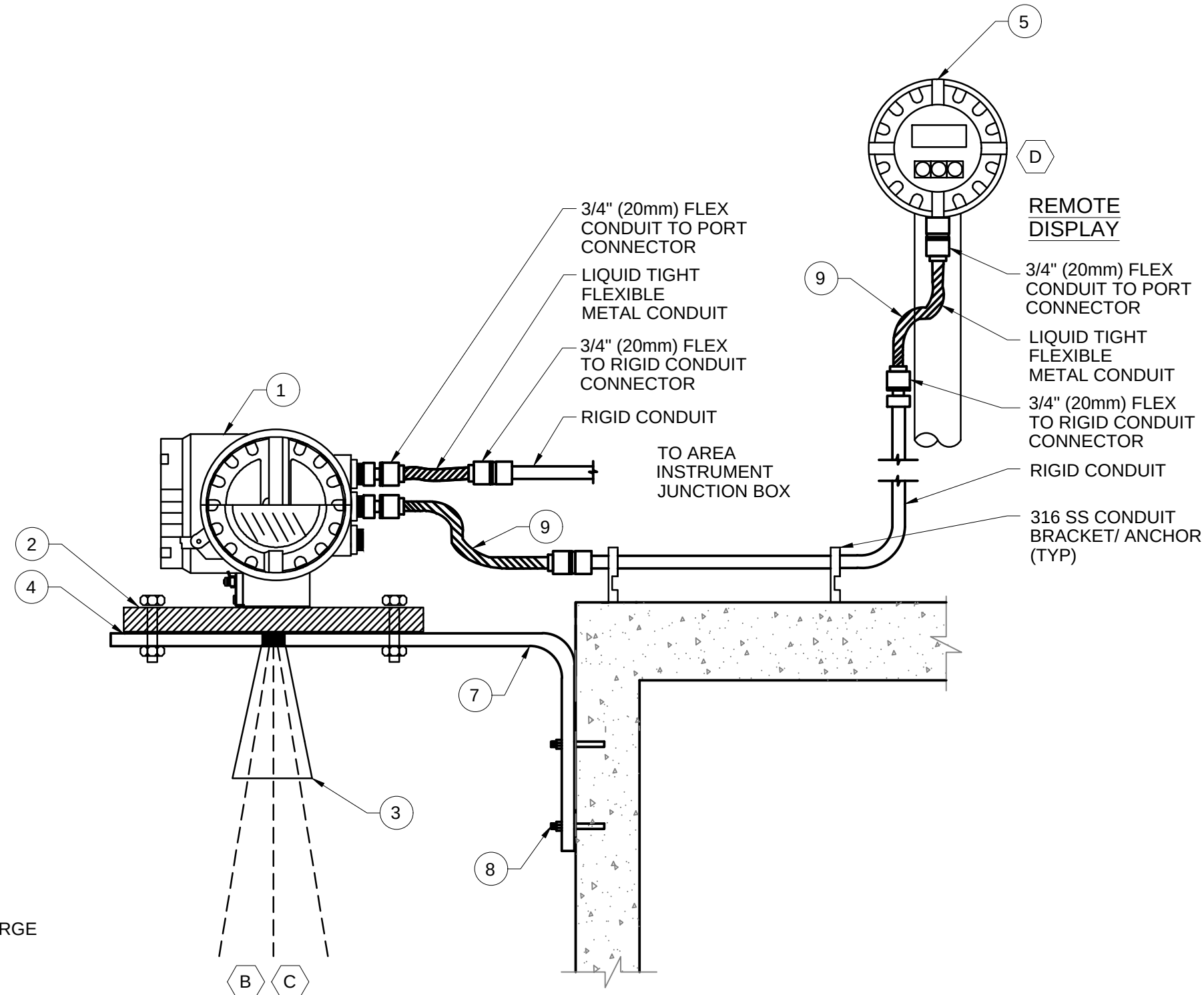
REV 010119



THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. STANTEC SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC. IS FORBIDDEN.



TANK INSTALLED - TOP FLANGE MOUNT WITH REMOTE DISPLAY



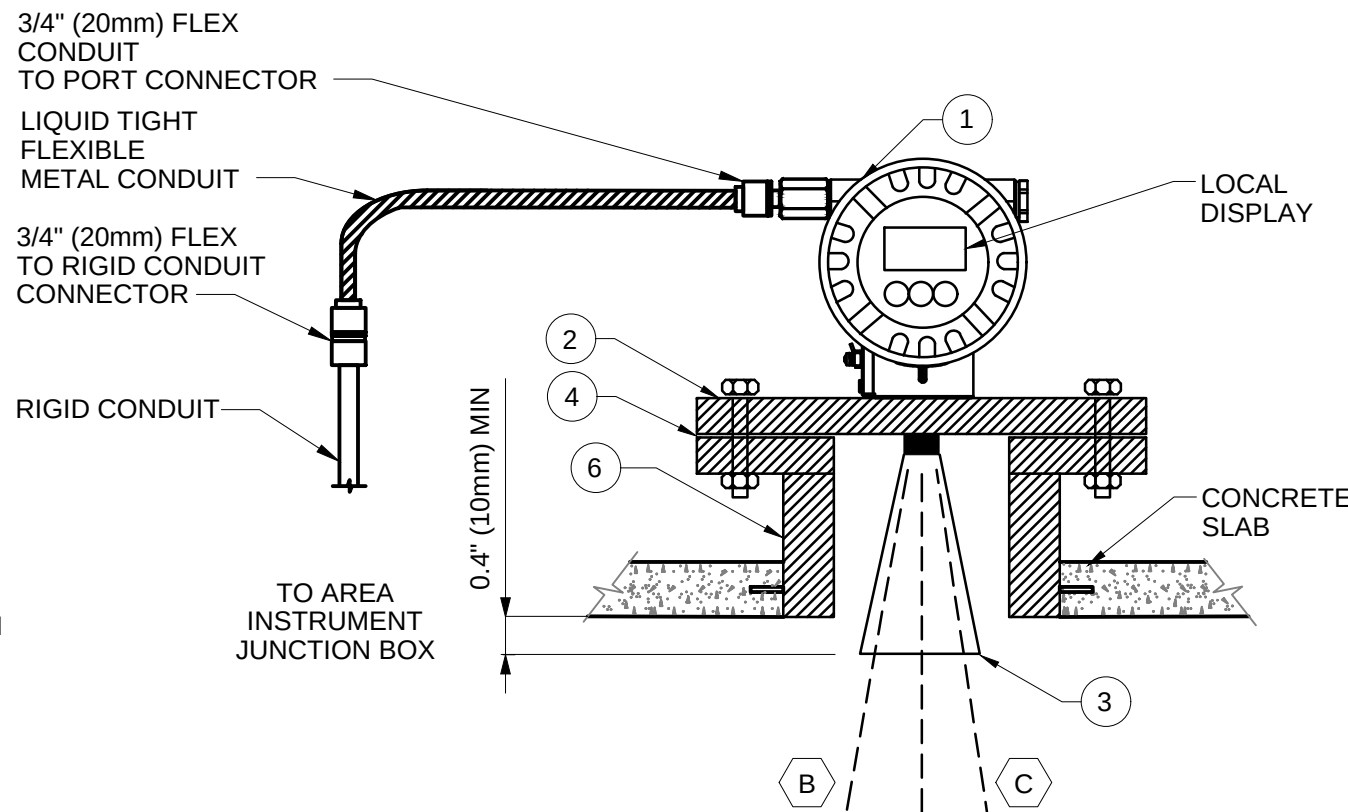
BRACKET INSTALLED - WALL MOUNT WITH REMOTE DISPLAY

GENERAL NOTES:

1. PROVIDE MECHANICAL SUPPORT AND FITTINGS FOR ROUTED CONDUIT.
2. IN APPLICATIONS WITH HEAVY CONDENSATION ANTICIPATED OR TURBULENT LIQUID SURFACE, EMPLOY MANUFACTURER RECOMMENDED LOW FREQUENCY MODEL. SELECTED WAVELENGTH SHOULD BE LARGER THAN ANTICIPATED RIPPLE SIZE.
3. VENDOR FURNISHED CABLING SHALL BE RATED WATERTIGHT AND FOR CONTINUOUS UV EXPOSURE WITHOUT DEGRADATION.
4. ELECTRONIC SUPPRESSION OF INTERFERENCE ECHOES USING MANF. TRANSMITTER TOOLS MAY BE REQUIRED.
5. REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
6. REFER TO TANK MECHANICAL DATA SHEETS OR DETAILS FOR TANK NOZZLE SIZE AND SPACING. INSTRUMENT INSTALLATION IN THE TANK MANWAY IS NOT PERMITTED.
7. USE PVC COATED SS TIE-WRAPPS TO NEATLY COIL AND SECURE ANY EXCESS SENSOR CABLING AS SHOWN.

KEYNOTES:

- A. INSTRUMENT SHALL BE FLANGE MOUNTED, AT 0.25 TANK DIAMETER OR 10 INCHES FROM TANK WALL (WHICHEVER IS GREATER BUT SUBJECT TO MANUFACTURER REQUIREMENTS) AND OPPOSITE TO ANY TOP FILL FACILITIES. FOR TANKS CONSTRUCTED OF NON-CONDUCTIVE MATERIAL, BEAM ANGLE SHOULD BE CONTAINED WITHIN THE TANK TO AVOID INTERFERENCE FROM REFLECTIVE MATERIAL LOCATED OUTSIDE THE TANK.
- B. THE SENSOR HORN BOTTOM RIM SHALL BE INSTALLED NO LESS THAN 12" (300mm) ABOVE THE MAXIMUM TANK LEVEL AND PROPERLY ALIGNED PER THE MANUFACTURER'S REQUIREMENTS.
- C. SENSOR SHALL BE INSTALLED SUCH THAT THE BEAM ANGLE DOES NOT ENCOUNTER ANY PHYSICAL DEVICE OR FLOW STREAM IN THE BEAM'S SENSING PATH.
- D. MOUNT DISPLAY ON STANDARD INSTRUMENT STAND PER DETAIL I-701 / 702. SUNSHIELD REQUIRED FOR OUTDOOR INSTALLATION.
- E. MANUFACTURE FURNISHED ANGLE BRACKET (WITH MOUNTING HARDWARE) SHALL BE SIZED AND TAPPED TO SUPPORT WALL-MOUNT INSTALLATION. REFER TO INSTRUMENT SCHEDULE OR DATA SHEET FOR MEASURING DEPTH REQUIREMENT.
- F. IN THE CASE OF MEDIA WITH LOW DIELECTRIC CONSTANT (WHERE THE TANK BOTTOM IS VISIBLE THROUGH THE MEDIA AT LOW LEVELS) A MANUFACTURER RECOMMENDED REPOSITIONING OF ZERO LEVEL MUST BE OBSERVED.



CONCRETE TANK - TOP MOUNT WITH LOCAL DISPLAY

BILL OF MATERIALS

| ITEM | QTY | DESCRIPTION                                                                                                       | SUPPLY | MATERIAL/RATING (WATER) | MATERIAL/RATING (CHEMICAL) |
|------|-----|-------------------------------------------------------------------------------------------------------------------|--------|-------------------------|----------------------------|
| 1    | 1   | TRANSMITTER ELECTRONIC HOUSING                                                                                    | MANF   | EPOXY COATED ALUMINUM   | EPOXY COATED ALUMINUM      |
| 2    | 1   | 6" (DN150) DIA FLANGE (TAPPED TO ACCOMMODATE INSTRUMENT FITTING) AND MOUNTING HARDWARE                            | MANF   | 316 SS                  | 316 SS                     |
| 3    | 1   | 3" (DN80) OR 4" (DN100) ANTENNA HORN (LENGTH TO ACHIEVE MAX BEAM ANGLE INDICATED)                                 | MANF   | 316 SS                  | ALLOY-400 OR PTFE          |
| 4    | AR  | GASKET                                                                                                            | CONT   | VITON                   | VITON                      |
| 5    | 1   | REMOTE DISPLAY                                                                                                    | MANF   | EPOXY COATED ALUMINUM   | EPOXY COATED ALUMINUM      |
| 6    | 1   | 6" (150mm) DIA SCH 80 FLANGED PIPE SLEEVE WITH SEEP RING                                                          | CONT   | 304 SS                  | 316 SS OR PVC              |
| 7    | 1   | WALL-MOUNT ANGLE BRACKET TAPPED FOR INSTRUMENT FITTING (SIZED TO MAINTAIN MINIMUM DISTANCE BETWEEN BEAM AND WALL) | MANF   | 316 SS                  | 316 SS                     |
| 8    | AR  | ANCHOR BOLTS AND MOUNTING HARDWARE                                                                                | MANF   | 316 SS                  | 316 SS                     |
| 9    | 1   | IN-CONDUIT REMOTE DISPLAY CABLE (LIMIT ROUTING TO 66 FEET (20M))                                                  | MANF   | PER VENDOR              | PER VENDOR                 |

I-202

RADAR LEVEL TRANSMITTER

REV 010119



733 Marquette Avenue, Suite 1000  
Minneapolis, MN 55402  
www.stantec.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 P.E. UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: RAM A. REDDY

SIGNATURE: *Ram A. Reddy*

DATE: 2023.05.09

LC NO. 57286

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET IV

NO. REVISION DATE

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| DESIGNED  | TC        |
| CHECKED   | AY        |
| APPROVED  | RAR       |
| PROJ. NO. | 193805386 |

SHEET NUMBER

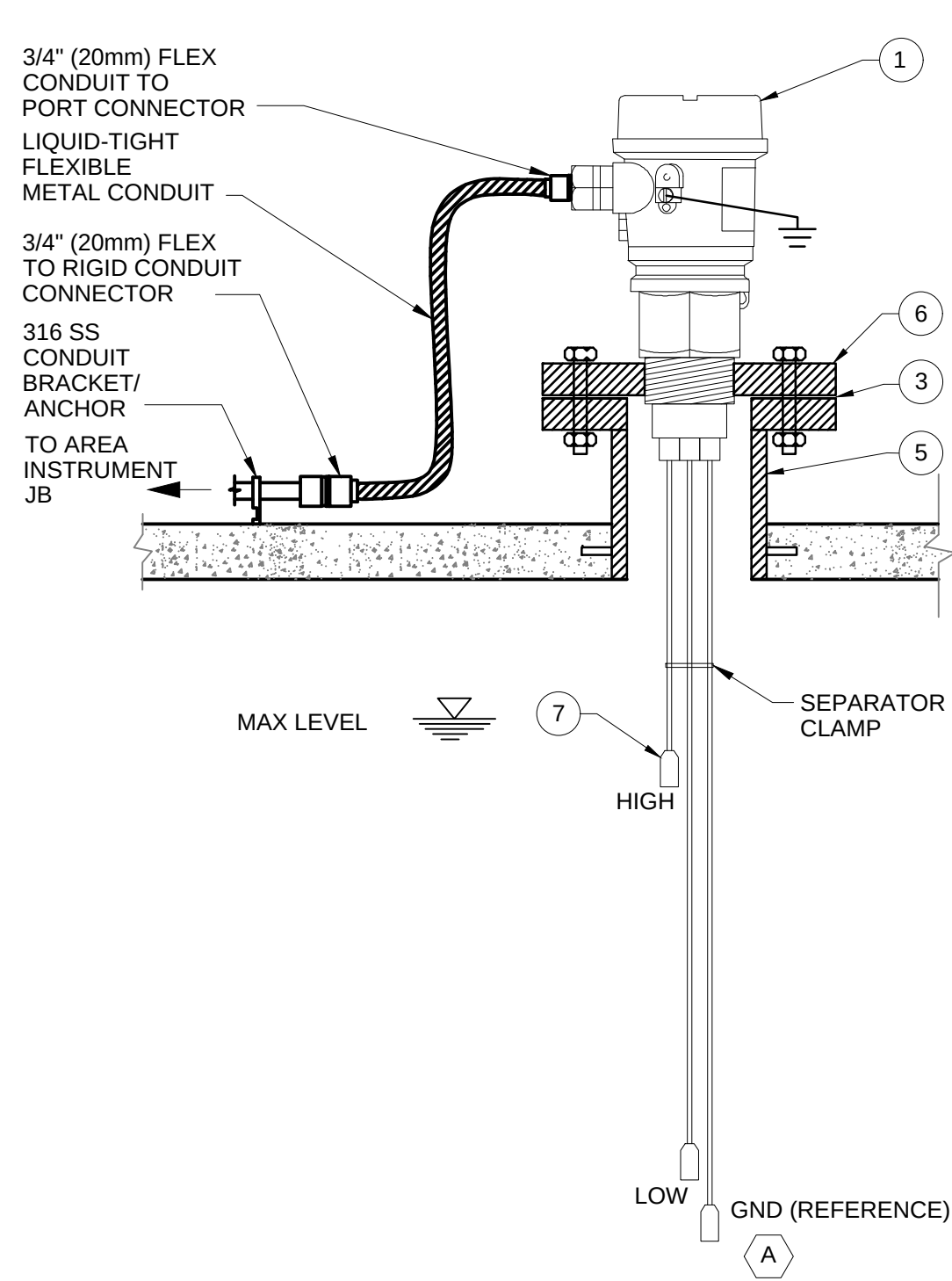
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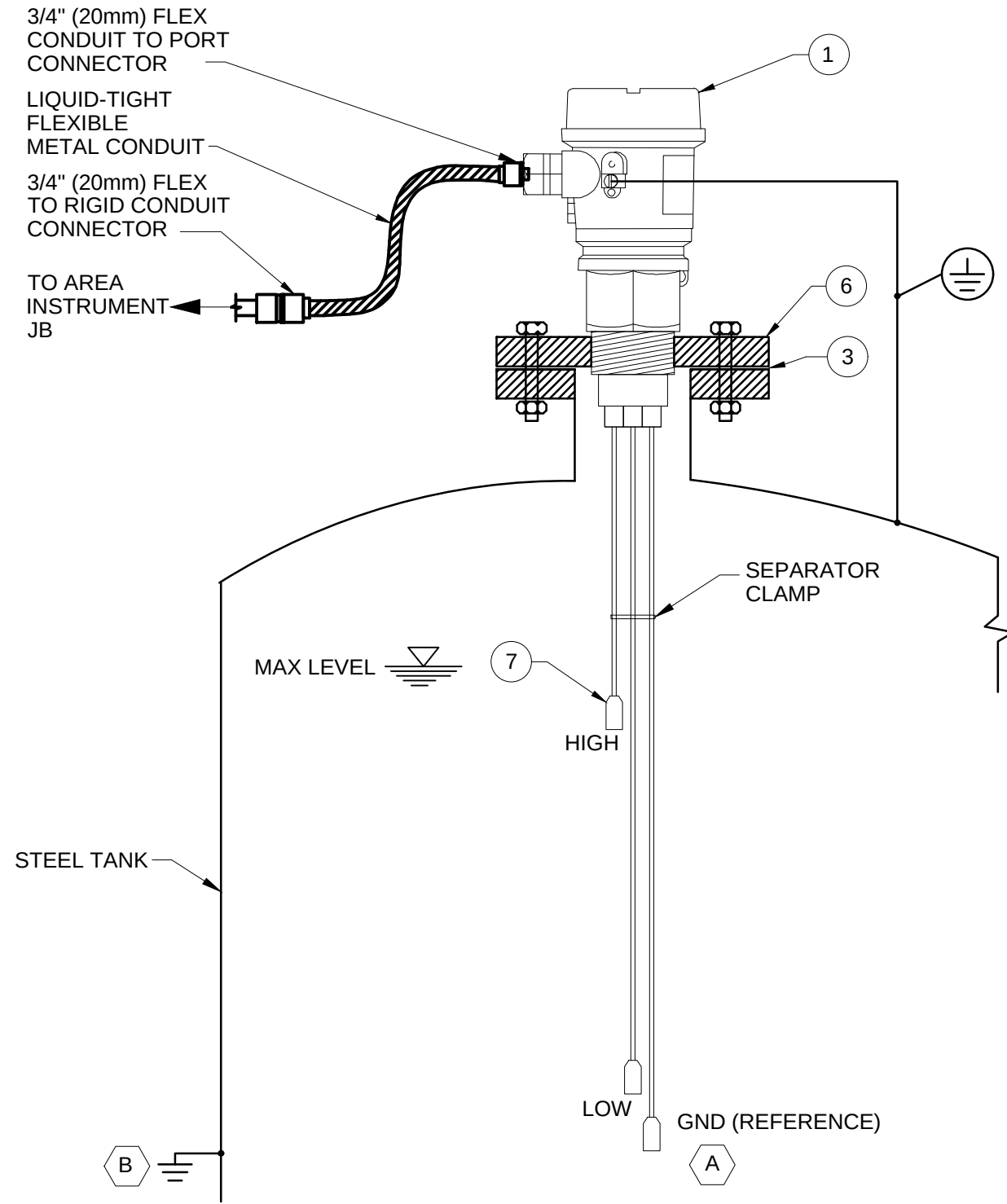




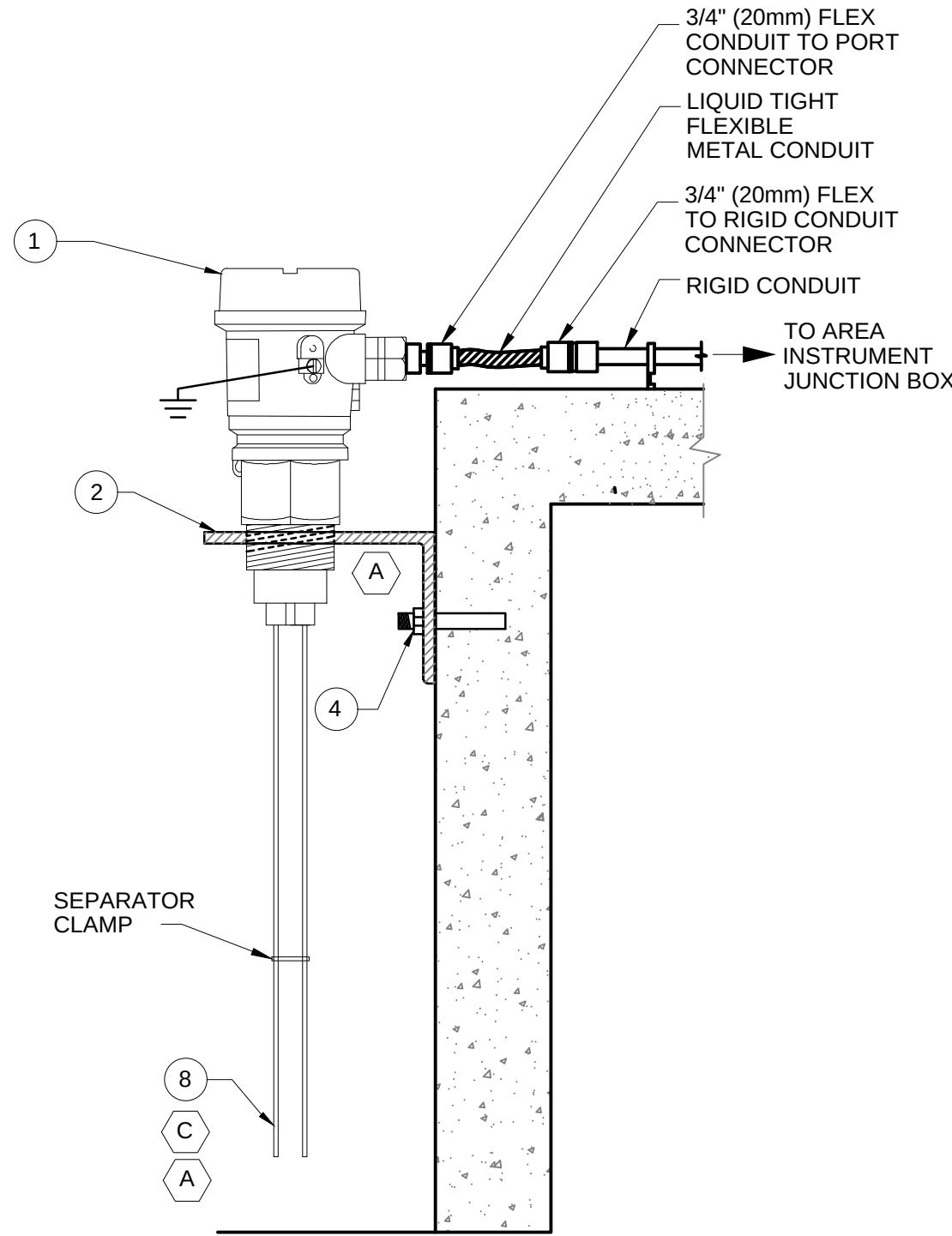
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CONCRETE TANK INSTALLATION  
- TOP MOUNT ASSEMBLY



TANK INSTALLATION  
- TOP FLANGE MOUNT



BRACKET INSTALLATION  
- WALL-MOUNT ASSEMBLY

GENERAL NOTES:

1. PROVIDE MECHANICAL SUPPORT AND FITTINGS FOR ROUTED CONDUIT.
2. REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
3. REFER TO TANK MECHANICAL DATA SHEETS OR DETAILS FOR TANK NOZZLE SIZE AND SPACING. INSTRUMENT INSTALLATION IN TANK MANWAY IS NOT PERMITTED.
4. POTENTIALLY WETTED MATERIALS SHALL BE CHEMICALLY INERT TO THE PROCESS.
5. PROBES SHALL BE INSTALLED TO AVOID CONTACT WITH THE TANK WALL AND OUTSIDE THE FILL CURTAIN AREA.



KEYNOTES:

- A. ENSURE PROBE IS NO LESS THAN 3/8" (10mm) ABOVE TANK FLOOR.
- B. CONTRACTOR TO ENSURE PROPER GROUNDING OF CONDUCTIVE (e.g. STEEL) TANKS.
- C. ROD PROBES IN EXCESS OF 3-FT (1M) IN LENGTH SHALL BE SUPPORTED EVERY QUARTER LENGTH PER MANUFACTURER REQUIREMENTS (BASED ON PROBE MATERIAL AND DIAMETER).
- D. IF UNIT EMPLOYS THERMOPLASTIC HOUSING, FURNISH AND INSTALL SUNSHIELD FOR OUTDOOR INSTALLATIONS.
- E. MANUFACTURE FURNISHED ANGLE BRACKET (WITH MOUNTING HARDWARE) SHALL BE SIZED AND TAPPED TO SUPPORT WALL-MOUNT INSTALLATION. REFER TO INSTRUMENT SCHEDULE OR DATA SHEET FOR MEASURING DEPTH REQUIREMENT.

BILL OF MATERIALS

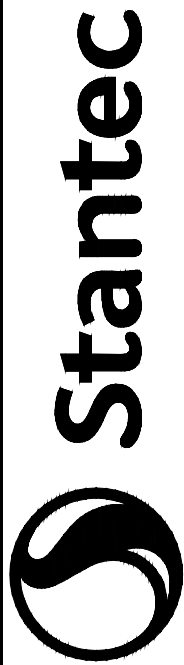
| ITEM | QTY | DESCRIPTION                                                              | SUPPLY | MATERIAL/<br>RATING<br>(WATER)        | MATERIAL/<br>RATING<br>(CHEMICAL)     |
|------|-----|--------------------------------------------------------------------------|--------|---------------------------------------|---------------------------------------|
| 1    | 1   | 1.5" NPT THREADED SENSOR HOLDER AND CONDUCTANCE LEVEL ELECTRONIC HOUSING | MANF   | EPOXY COATED ALUMINUM <span>⬢D</span> | EPOXY COATED ALUMINUM <span>⬢D</span> |
| 2    | 1   | WALL-MOUNT ANGLE BRACKET TAPPED FOR PROBE FITTING <span>⬢E</span>        | MANF   | 316 SS                                | 316 SS                                |
| 3    | 1   | GASKET                                                                   | CONT   | VITON                                 | VITON                                 |
| 4    | 2   | ANCHOR BOLTS AND NUTS                                                    | MANF   | 316 SS                                | 316 SS                                |
| 5    | 1   | 6" (DN150) DIA SCH 80 FLANGED PIPE SLEEVE WITH SEEP RING                 | CONT   | 316 SS                                | 316 SS                                |
| 6    | 1   | 6" (DN150) DIA FLANGE (TAPPED FOR PROBE FITTING) WITH MOUNTING HARDWARE  | MANF   | 316 SS                                | 316 SS / PVC                          |
| 7    | AR  | CABLE SUSPENDED SHIELDED PROBES                                          | MANF   | 316 SS                                | TEFLON INSULATED 316 SS               |
| 8    | AR  | SOLID ROD PROBE                                                          | MANF   | 316 SS                                | TEFLON INSULATED 316 SS               |

I-252

CONDUCTANCE TYPE LEVEL DETECTION SWITCH

REV 010119

Plot Date: 05/10/2023 - 5:56pm  
Drawing Name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG\Instrumentation Sheet Files\NS06.dwg  
User: 193805386\_PJD\_tdr



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PRINT NAME: RAM A. BEDDY

SIGNATURE:

DATE: 2023.05.09 LC NO. 57286

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET VI

NO. REVISION DATE

SURVEY  
DRAWN SM  
DESIGNED TC  
CHECKED AY  
APPROVED RAR  
PROJ. NO. 193805386

SHEET NUMBER

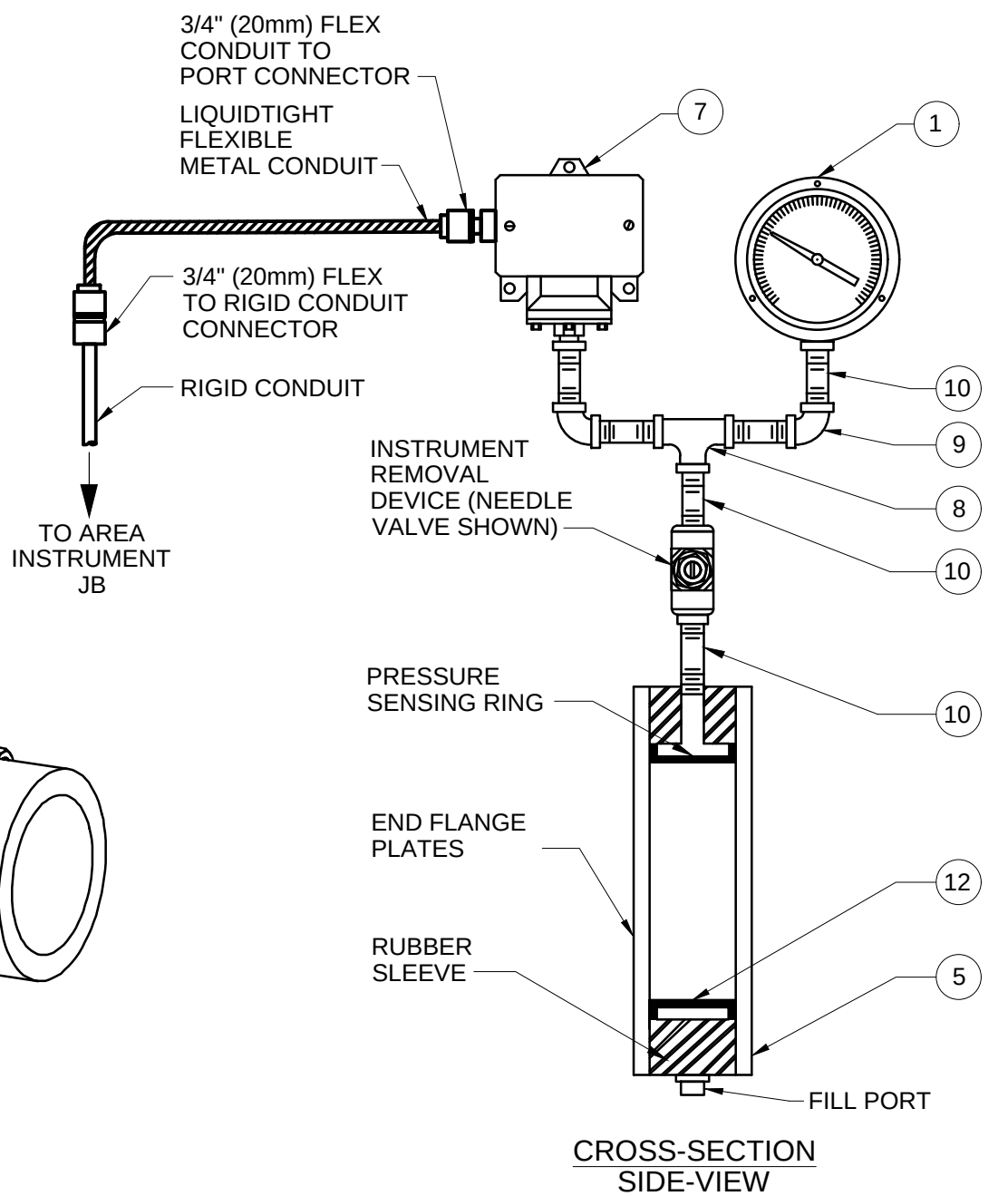
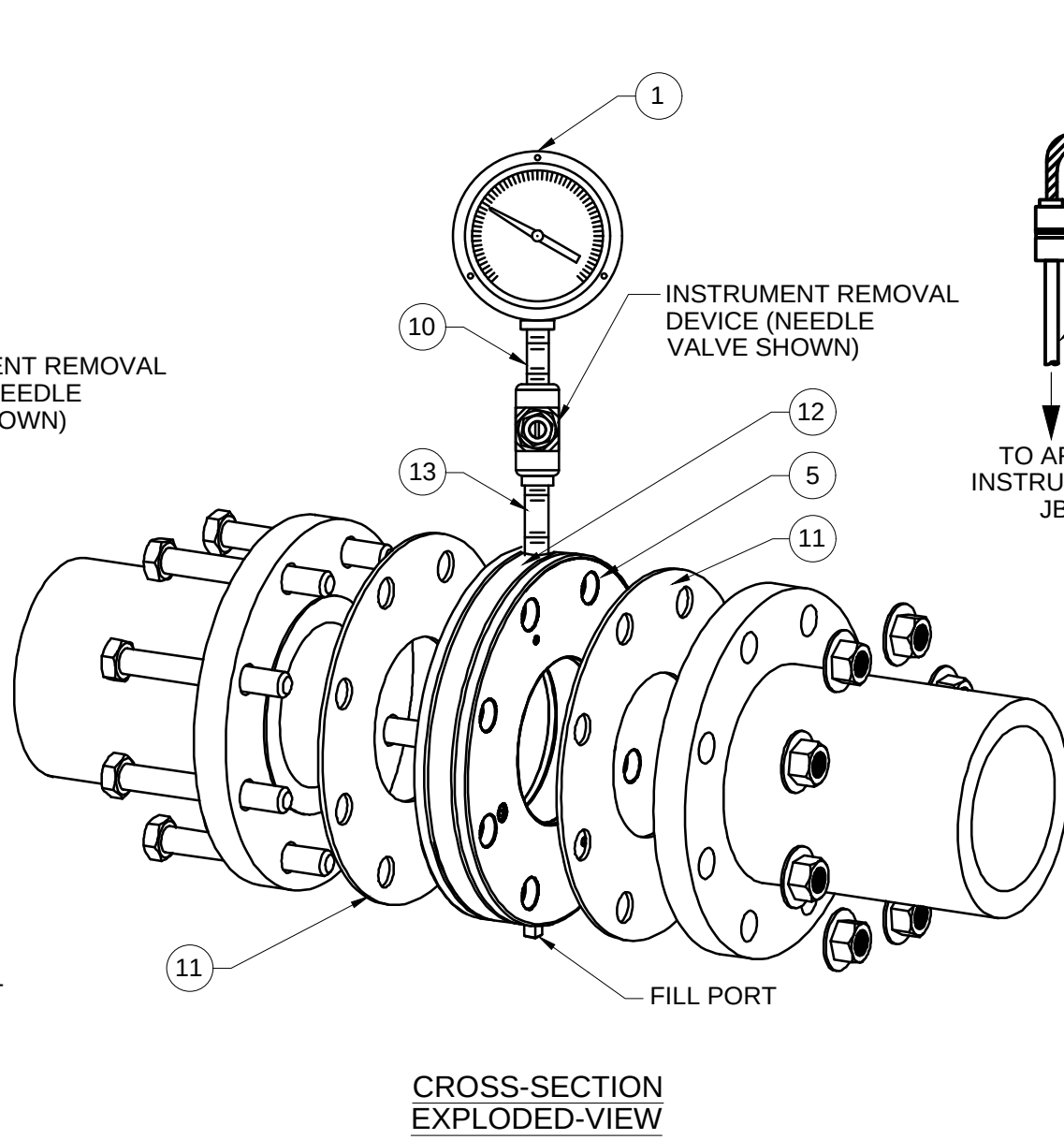
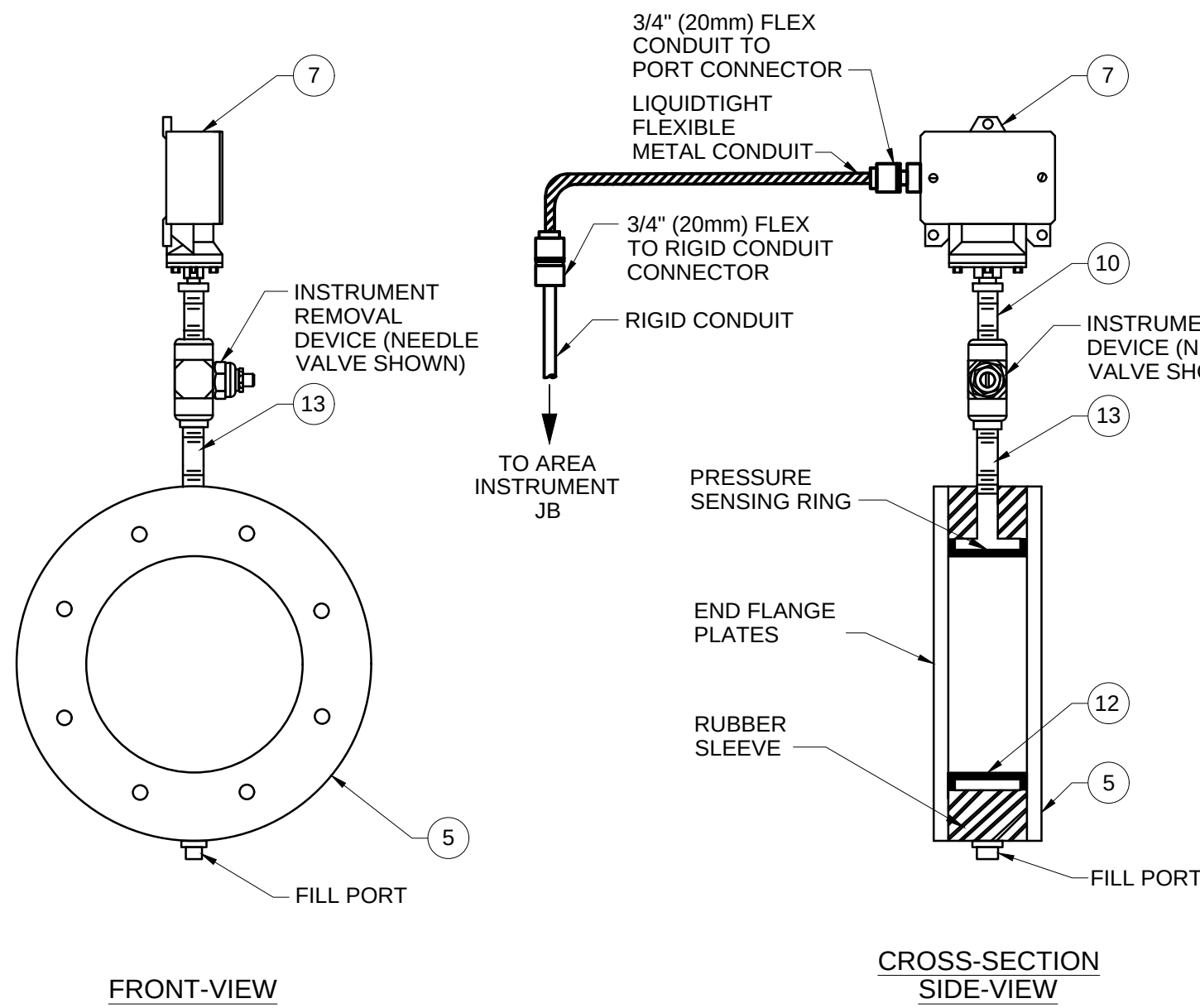
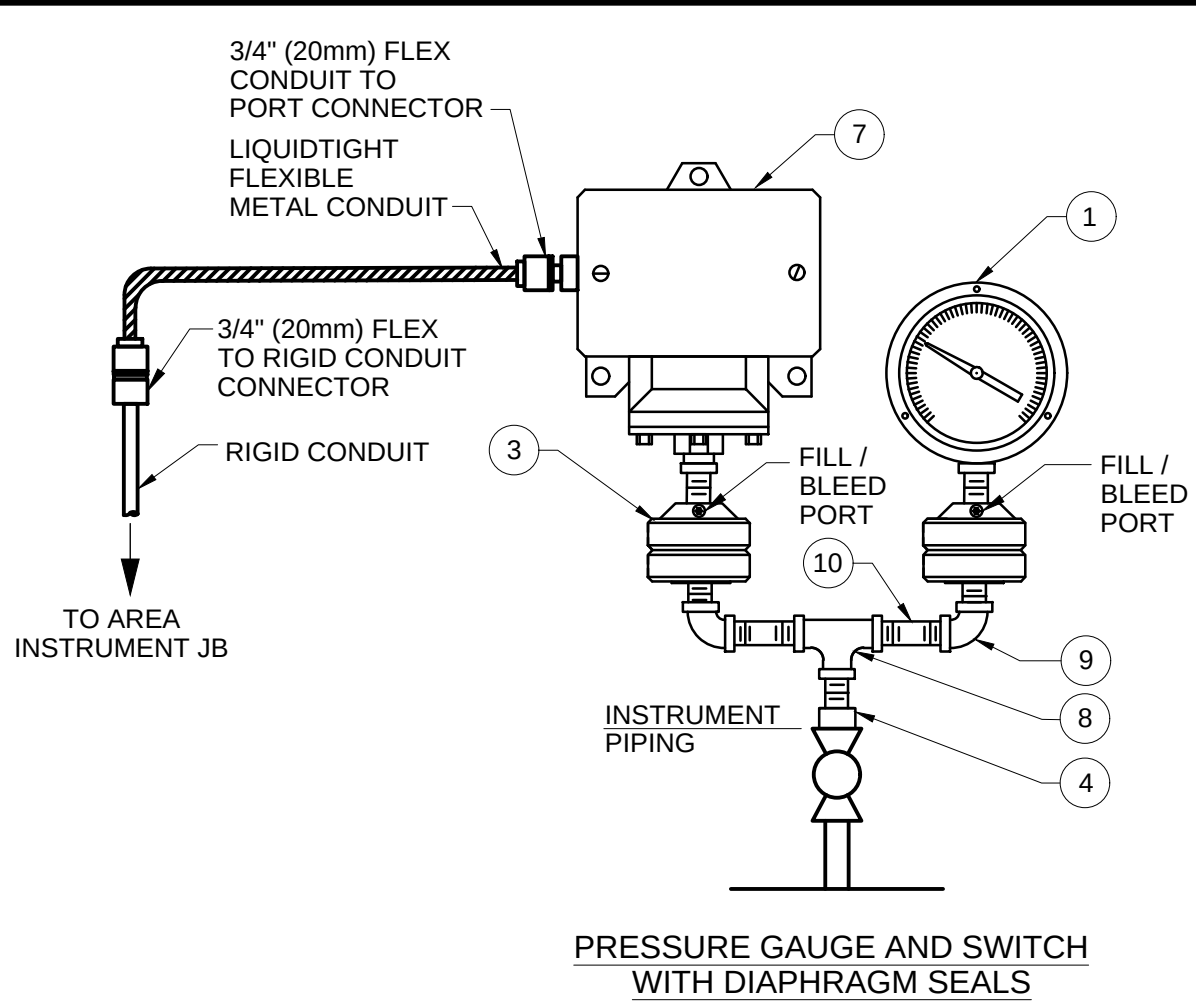
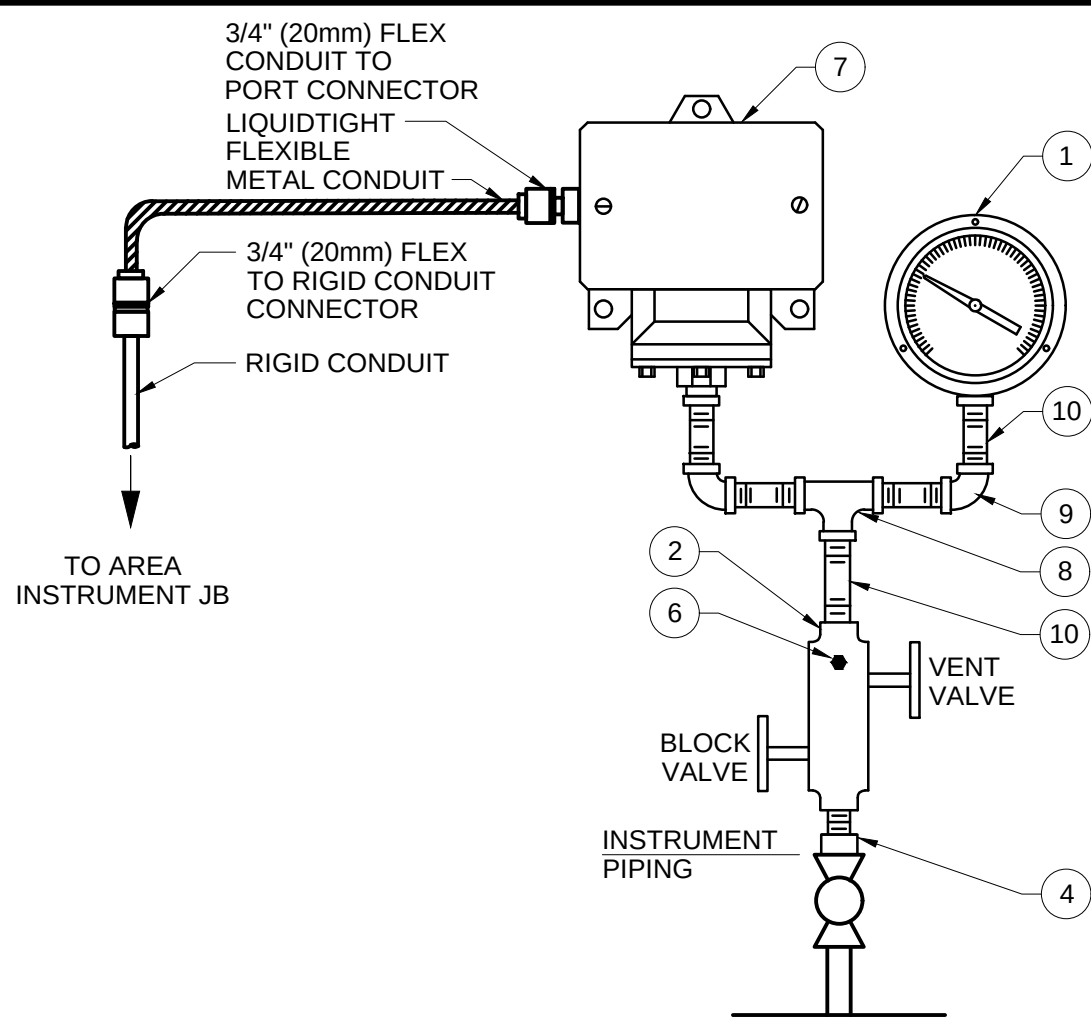
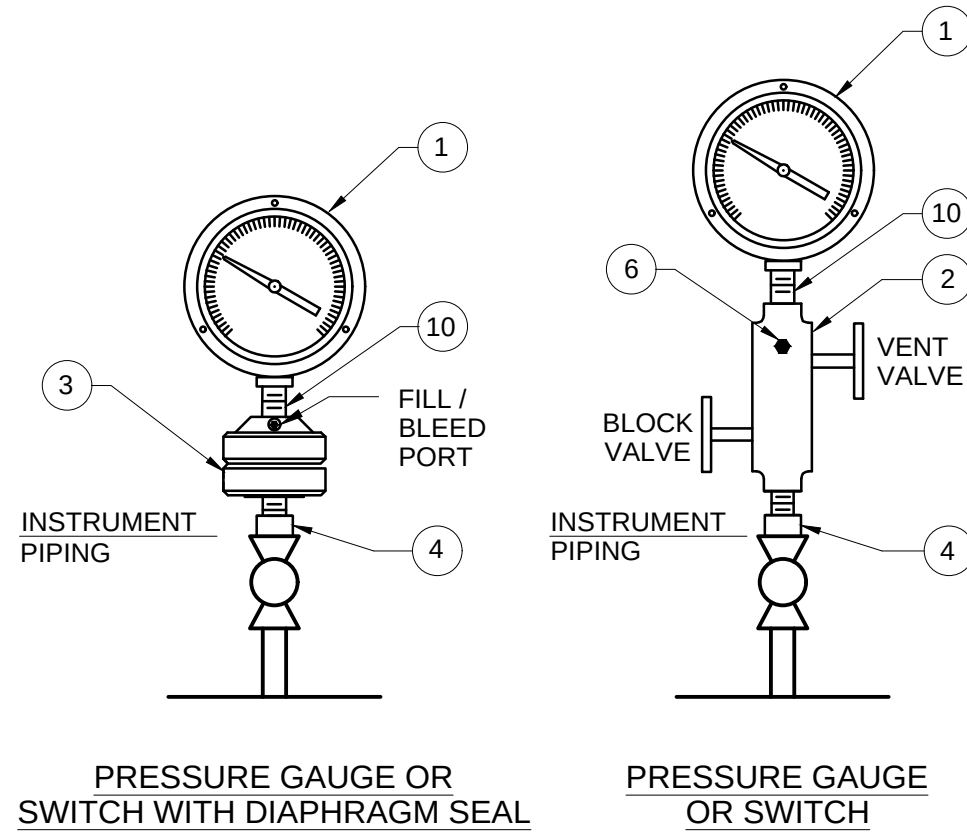
N506



Page 287 of 40



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| BILL OF MATERIALS |     |                                                      |        |                                      |                                   |
|-------------------|-----|------------------------------------------------------|--------|--------------------------------------|-----------------------------------|
| ITEM              | QTY | DESCRIPTION                                          | SUPPLY | MATERIAL/<br>RATING<br>(WATER / AIR) | MATERIAL/<br>RATING<br>(CHEMICAL) |
| 1                 | 1   | LIQUID-FILLED PRESSURE GAUGE                         | MANF   | PHENOLIC<br>ENCASED                  | PHENOLIC<br>ENCASED               |
| 2                 | 1   | 1/2" (15mm) 2 VALVE MANIFOLD WITH<br>INTEGRAL BLEED  | MANF   | 316 SS                               | 316 SS OR PVC                     |
| 3                 | AR  | ISOLATION DIAPHRAGM SEAL;<br>SILICONE OIL FILL FLUID | MANF   | 316 SS                               | HASTELLOY<br>C OR PVC             |
| 4                 | 1   | HEX REDUCING BUSHING 1"x1/2" (25mmx15mm)             | CONT   | 316 SS                               | 316 SS OR PVC                     |
| 5                 | 2   | END FLANGES (CLASS TO SUIT PIPING)                   | MANF   | EPOXY COATED<br>CARBON STEEL         | 316 SS OR PVC                     |
| 6                 | 1   | 1/4" NPT VENT PIPE PLUG                              | MANF   | 316 SS                               | 316 SS OR PVC                     |
| 7                 | 1   | PRESSURE SWITCH                                      | MANF   | 316 SS                               | 316 SS OR PVC                     |
| 8                 | 1   | TEE 1/2" (15mm)                                      | CONT   | 316 SS                               | 316 SS OR PVC                     |
| 9                 | 2   | ELBOW 1/2" (15mm)                                    | CONT   | 316 SS                               | 316 SS OR PVC                     |
| 10                | AR  | 1/2" MALE TO MALE NIPPLE                             | CONT   | 316 SS                               | 316 SS OR PVC                     |
| 11                | 2   | GASKETS                                              | CONT   | VITON                                | VITON                             |
| 12                | 1   | ANNULAR SEAL; SILICONE OIL FILL FLUID                | MANF   | TEFLON COATED<br>BUNA-N              | PTFE OR TEFLON<br>COATED VITON    |
| 13                | 1   | INSTRUMENT REMOVAL DEVICE AND 1/2" STEM              | MANF   | 316 SS                               | 316 SS OR PVC                     |

#### GENERAL NOTES:

- POTENTIALLY WETTED MATERIALS SHALL BE CHEMICALLY INERT TO THE PROCESS.
- REFER TO P&IDS AND DATA SHEETS FOR PROCESS PIPING SIZE AND MATERIAL.
- PIPING SIDE ISOLATION VALVES FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.

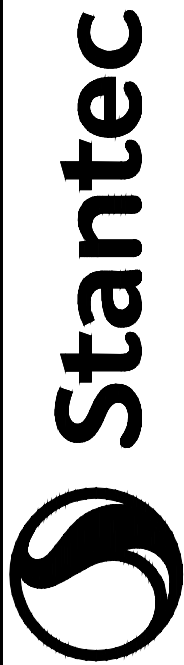
#### KEYNOTES:

- FOR AMBIENT TEMPERATURE APPLICATIONS LOWER THAN -10 degC, ETHYLENE GLYCOL FILL FLUID REQUIRED IN LIEU OF STANDARD SILICONE OIL.
- FURNISH 1/4" (8mm) OD MALE CONNECTOR AND 1/4" OD (1.5mm WALL THICKNESS) 316SS DOWN TURNED DRAIN TUBING FOR FIELD INSTALLATION. ENSURE VENT / DRAIN IS DIRECTED TO SAFE LOCATION.

I-301

## PRESSURE GAUGE / SWITCH

REV 010119



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PRINT NAME: RAM A. REDDY

SIGNATURE:

DATE: 2023.05.09 LC NO. 587386

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET VIII

NO REVISION DATE

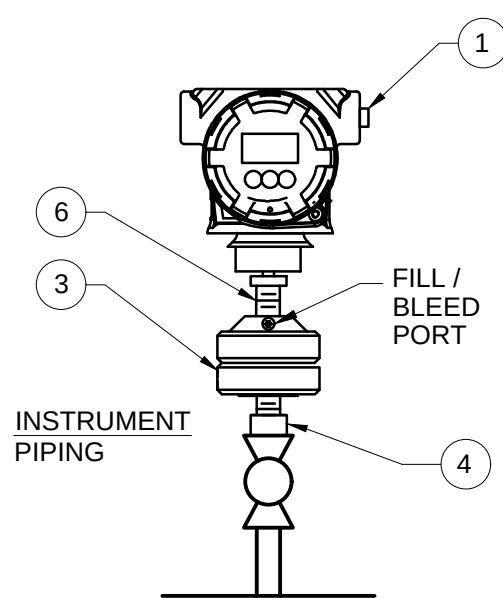
SURVEY  
DRAWN SM  
DESIGNED TC  
CHECKED AY  
APPROVED RAR  
PROJ. NO. 193805386

SHEET NUMBER

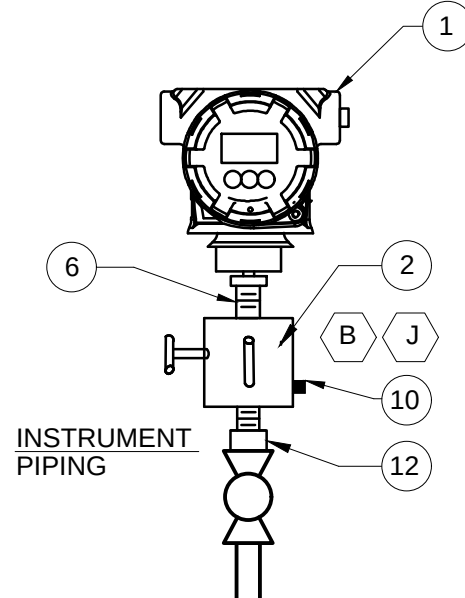
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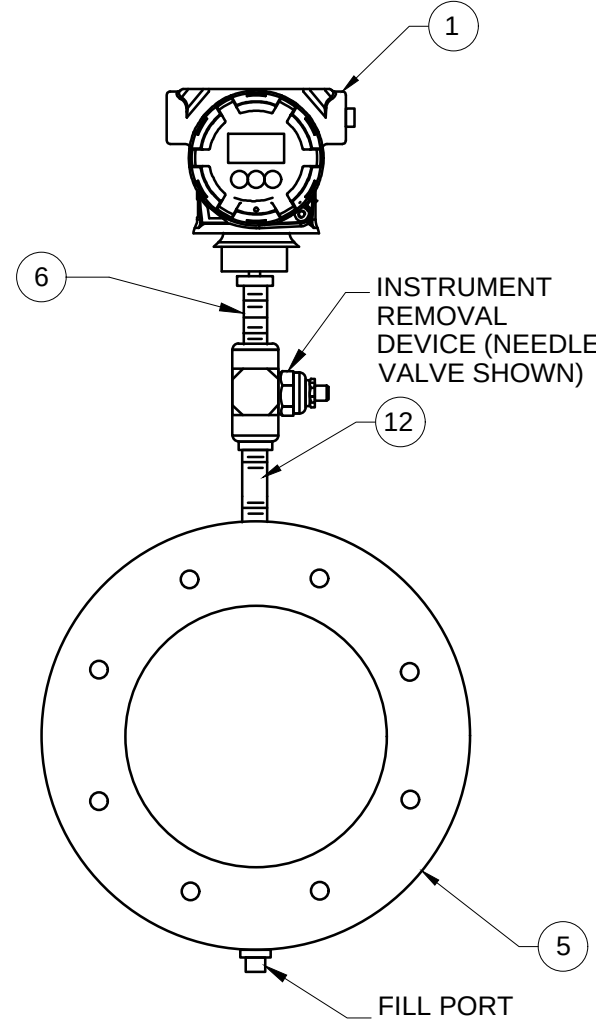
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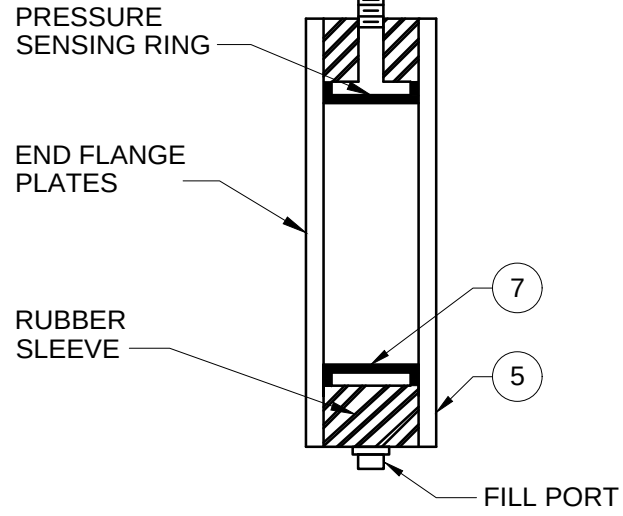
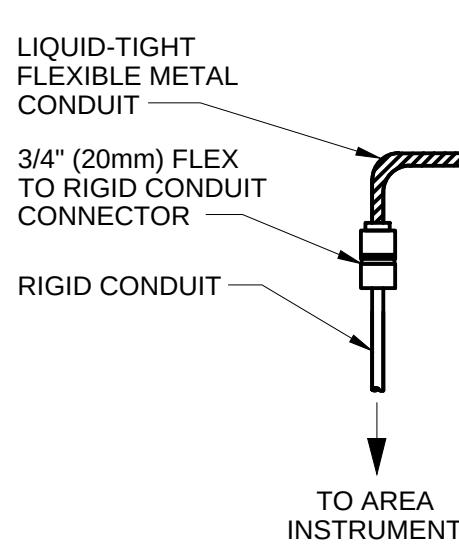
PRESSURE TRANSMITTER  
WITH DIAPHRAGM SEAL



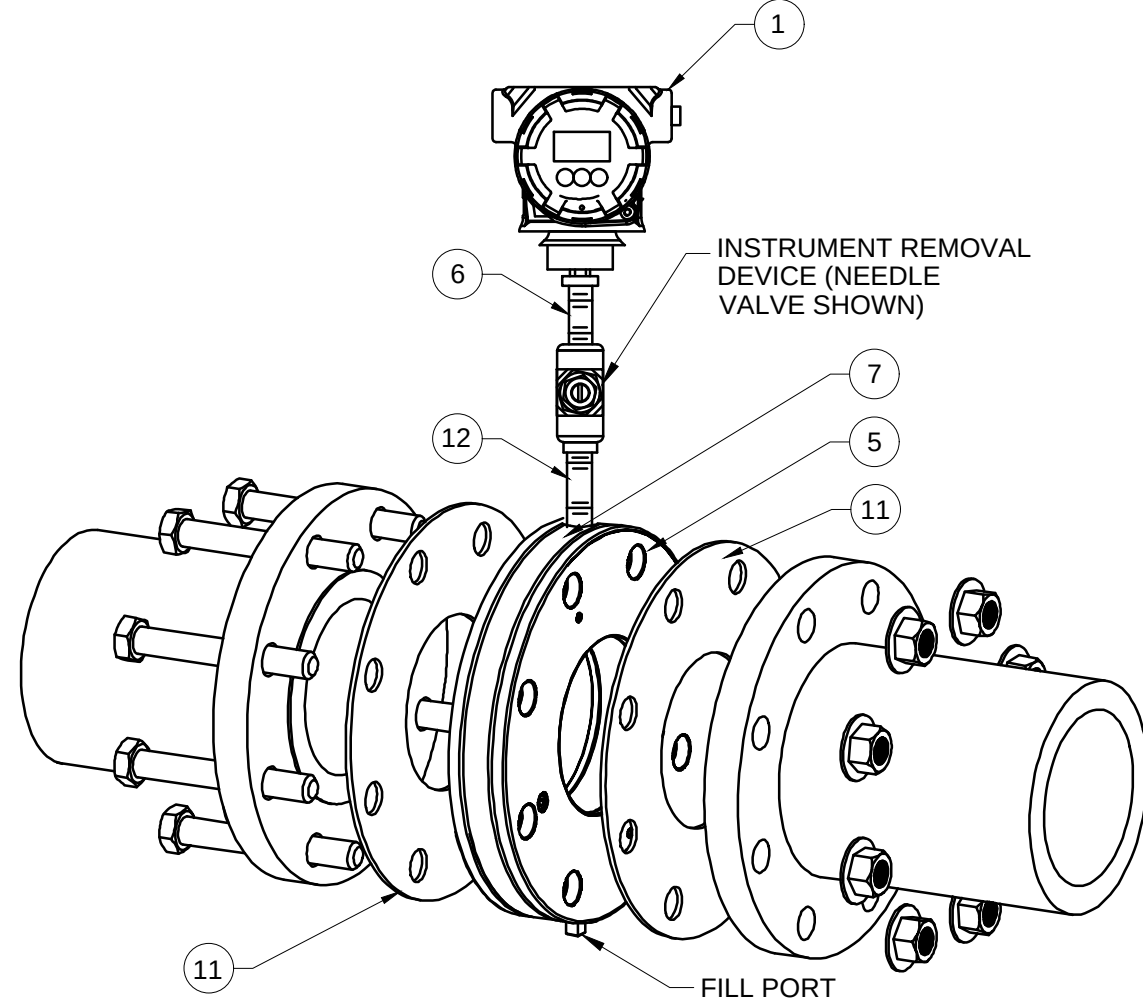
PRESSURE TRANSMITTER



FRONT-VIEW

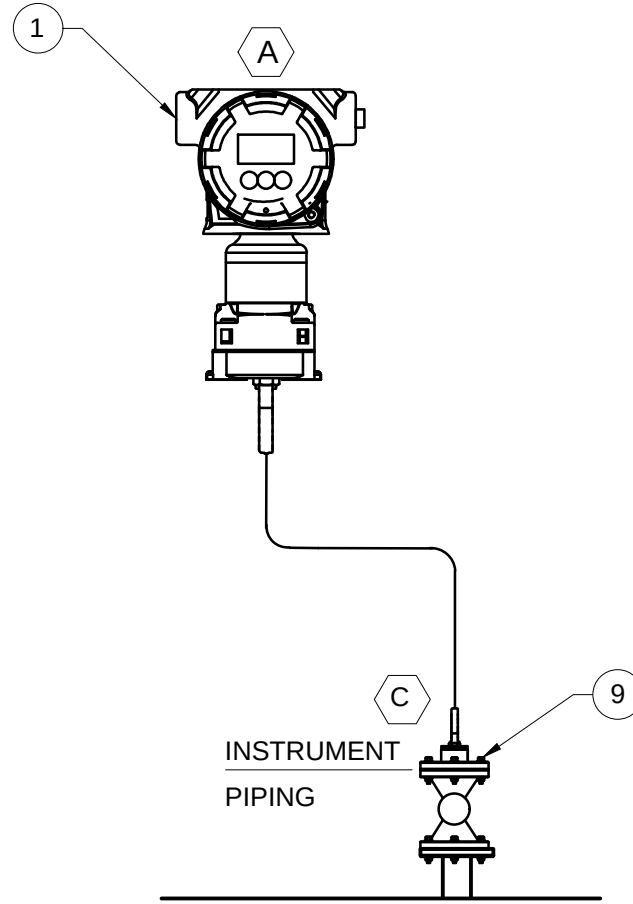


CROSS-SECTION  
SIDE-VIEW

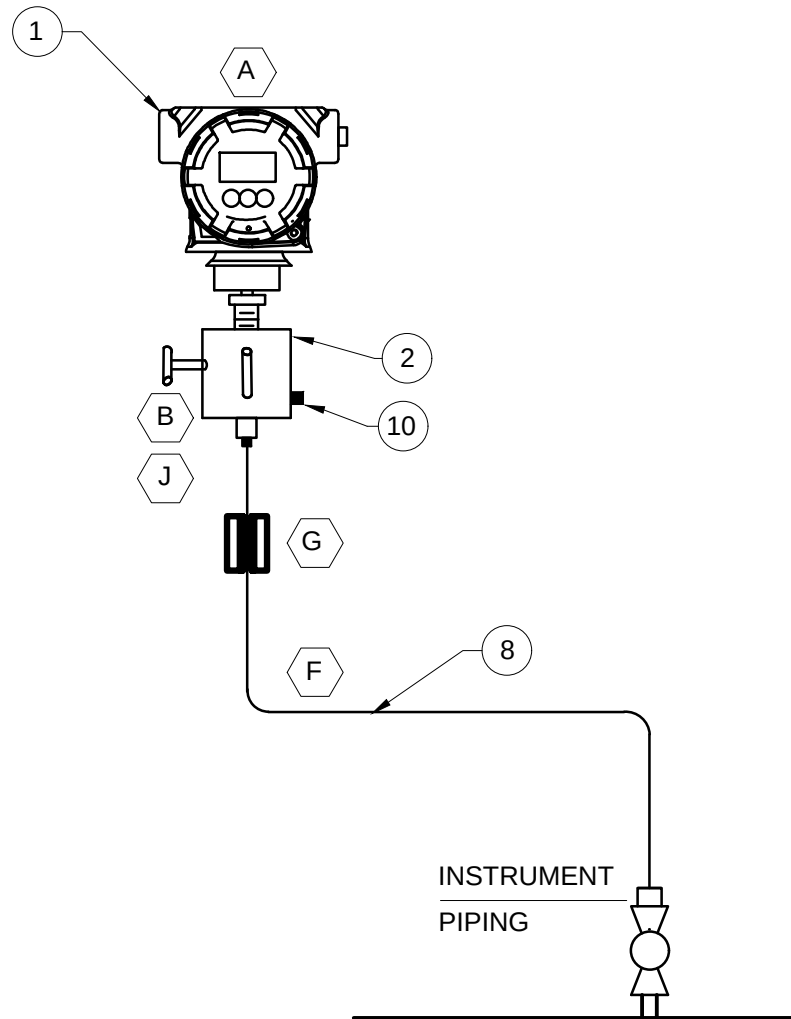


CROSS-SECTION  
EXPLODED-VIEW

PRESSURE TRANSMITTER WITH ANNULAR SEAL



PRESSURE TRANSMITTER WITH CAPILLARY SENSING TUBE



PRESSURE TRANSMITTER- REMOTE MOUNT

GENERAL NOTES:

- POTENTIALLY WETTED MATERIALS SHALL BE CHEMICALLY INERT TO THE PROCESS.
- REFER TO P&IDS AND DATA SHEETS FOR PROCESS PIPING SIZE AND MATERIAL.
- PIPING SIDE ISOLATION VALVES FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.

KEYNOTES:

- A. WALL OR INSTRUMENT-STAND MOUNT PER DETAIL I-701.
- B. FURNISH 1/4" (8mm) OD MALE CONNECTOR AND 1/4" OD (1.5mm WALL THICKNESS) 316SS DOWN-TURNED DRAIN TUBING FOR FIELD INSTALLATION. ENSURE VENT / DRAIN IS DIRECTED TO SAFE LOCATION.
- C. CAPILLARY DIAPHRAGM SEAL SYSTEM
- D. ARMORED CAPILLARIES: 316 SS. FLANGE: 316 SS OR HASTELLOY C PREFERRED. HOWEVER ENGINEER APPROVED FINAL SELECTION BASED ON MATERIAL CHEMICAL COMPATIBILITY.
- E. FOR AMBIENT TEMPERATURE APPLICATIONS LOWER THAN -10 degC, ETHYLENE GLYCOL FILL FLUID REQUIRED IN LIEU OF STANDARD SILICONE OIL.
- F. IN GENERAL, FOR GAS APPLICATIONS IMPULSE TUBING SHALL BE SLOPED UP TO THE SWITCH OR GAUGE. FOR LIQUID APPLICATIONS, IMPULSE TUBING SHALL BE SLOPED DOWN TO THE SWITCH OR GAUGE. MINIMUM APPLIED SLOPE SHALL BE 1:12 TUBING LENGTHS SHALL BE APPROXIMATELY EQUALIZED AND KEPT AS SHORT AS POSSIBLE.
- G. 1/2" TUBING SHALL BE SUPPORTED / BRACED EVERY 3-FT. THERMALLY INSULATING SPACER MATERIAL SHALL BE APPLIED TO SEPARATE THE TUBING FROM THE SUPPORTS. PIGTAIL LOOP REQUIRED FOR HIGH VIBRATION INSTALLATIONS ONLY.
- H. 316 SS OR HASTELLOY C PREFERRED. HOWEVER ENGINEER APPROVED FINAL SELECTION BASED ON MATERIAL CHEMICAL COMPATIBILITY.
- J. VENT / DRAIN TO SAFE LOCATION (GRADE / DRAIN)

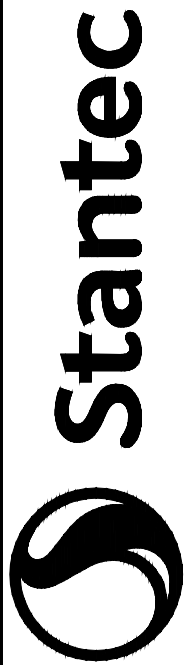
| BILL OF MATERIALS |     |                                                                                                                                                                                                                  |        |                                  |                                   |
|-------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------|-----------------------------------|
| ITEM              | QTY | DESCRIPTION                                                                                                                                                                                                      | SUPPLY | MATERIAL/<br>RATING<br>(WATER)   | MATERIAL/<br>RATING<br>(CHEMICAL) |
| 1                 | 1   | PRESSURE TRANSMITTER ELECTRONIC HOUSING                                                                                                                                                                          | MANF   | EPOXY COATED ALUMINUM            |                                   |
| 2                 | 1   | 2 VALVE MANIFOLD WITH INTEGRAL BLEED                                                                                                                                                                             | MANF   | 316 SS                           | 316 SS OR PVC                     |
| 3                 | AR  | ISOLATION DIAPHRAGM SEAL; SILICONE OIL FILL FLUID                                                                                                                                                                | MANF   | 316 SS                           | HASTELLOY C OR PVC                |
| 4                 | 1   | HEX REDUCING BUSHING 1"x1/2" (25mmx15mm)                                                                                                                                                                         | CONT   | 316 SS                           | 316 SS OR PVC                     |
| 5                 | 2   | END FLANGES (CLASS TO SUIT PIPING)                                                                                                                                                                               | MANF   | EPOXY COATED CARBON STEEL        | 316 SS OR PVC                     |
| 6                 | AR  | 1/2" MALE TO MALE NIPPLE                                                                                                                                                                                         | CONT   | 316 SS                           | 316 SS OR PVC                     |
| 7                 | 1   | ANNULAR SEAL; SILICONE OIL FILL FLUID                                                                                                                                                                            | MANF   | TEFLON COATED BUNA-N             | PTFE OR TEFLON COATED VITON       |
| 8                 | AR  | IMPULSE TUBING (1/2" (15mm) OD AND 1.5mm WALL THICKNESS) AND COMPRESSION FITTINGS                                                                                                                                | CONT   | 316 SS                           |                                   |
| 9                 | AR  | CAPILLARY DIAPHRAGM SEAL SYSTEM FLANGE (SIZED AND RATED TO MATCH ISOLATION VALVE FLANGE AND PROCESS REQUIREMENTS) WITH INTEGRAL 1/4" (8mm) ARMORED CAPILLARY TUBE (LENGTH AS REQUIRED); SILICONE OIL FILL FLUID. | MANF   | 316 SS (FLANGES AND CAPILLARIES) |                                   |
| 10                | 1   | 1/4" NPT VENT PIPE PLUG                                                                                                                                                                                          | MANF   | 316 SS                           | 316 SS OR PVC                     |
| 11                | 2   | GASKETS                                                                                                                                                                                                          | CONT   | VITON                            | VITON                             |
| 12                | 1   | INSTRUMENT REMOVAL DEVICE AND 1/2" STEM                                                                                                                                                                          | MANF   | 316 SS                           | 316 SS OR PVC                     |

I-303

PRESSURE TRANSMITTER

REV 010119

Plot Date: 05/10/2023 - 5:56pm  
Drawing Name: C:\Project Cacha\193805386\_WTP\_Chaska\PID DWG\Instrumentation Sheet Files\N509.dwg  
User: 193805386\_PJD\_tdr



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SIGNATURE:

DATE: 2023.05.09 UC NO. 58786

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET IX

| NO | REVISION | DATE |
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| SURVEY    |           |
| DRAWN     | SM        |
| DESIGNED  | TC        |
| CHECKED   | AY        |
| APPROVED  | RAR       |
| PROJ. NO. | 193805386 |

SHEET NUMBER

N509



Plot Date: 05/10/2023 - 5:56pm  
Drawing name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG \Instrumentation Sheet Files\N510.dwg



1. PROVIDE MECHANICAL SUPPORT AND FITTINGS FOR ROUTED CONDUIT.
2. REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
3. JUNCTION BOXES AND ENCLOSURES NEMA RATING TO MEET INSTALL ENVIRONMENT PER DIV 40 SPECIFICATIONS

- A. SOLID COPPER GROUND WIRE SHALL NOT EXCEED 5 Ohm RESISTANCE OR 120" (3 METER) DISTANCE TO THE GROUND.
- B. JUNCTION BOX ONLY REQUIRED IF SPARE PORT NOT AVAILABLE ON INSTRUMENT TRANSMITTER HOUSING
- C. DO NOT CROSS SIGNAL AND POWER CABLES.

| BILL OF MATERIALS |     |                                                                                                              |        |                                |                                   |
|-------------------|-----|--------------------------------------------------------------------------------------------------------------|--------|--------------------------------|-----------------------------------|
| ITEM              | QTY | DESCRIPTION                                                                                                  | SUPPLY | MATERIAL/<br>RATING<br>(WATER) | MATERIAL/<br>RATING<br>(CHEMICAL) |
| 1                 | 1   | NEMA RATED ENCLOSURE MOUNTED ON INSTRUMENT STAND                                                             | CONT   | 316 SS                         | 316 SS                            |
| 2                 | AR  | DIN-RAIL MOUNTED SIGNAL AND AC POWER SURGE SUPPRESSOR / FILTER                                               | MANF   | -                              | -                                 |
| 3                 | 1   | MULTISTAGE SIGNAL SURGE SUPPRESSOR HOUSING. THREADED FITTING.                                                | MANF   | 316 SS                         | 316 SS                            |
| 4                 | 1   | NEMA RATED JUNCTION BOX  | CONT   | 316 SS                         | 316 SS                            |
| 5                 | 1   | DIN-RAIL MOUNTED TERMINAL BLOCK                                                                              | CONT   | PER DIV 26 SPEC                | PER DIV 26 SPEC                   |

REV 010119

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PRINT NAME: RAMI A. REDDY

SIGNATURE: 

DATE: 2023.05.09 LIC. NO. 58786

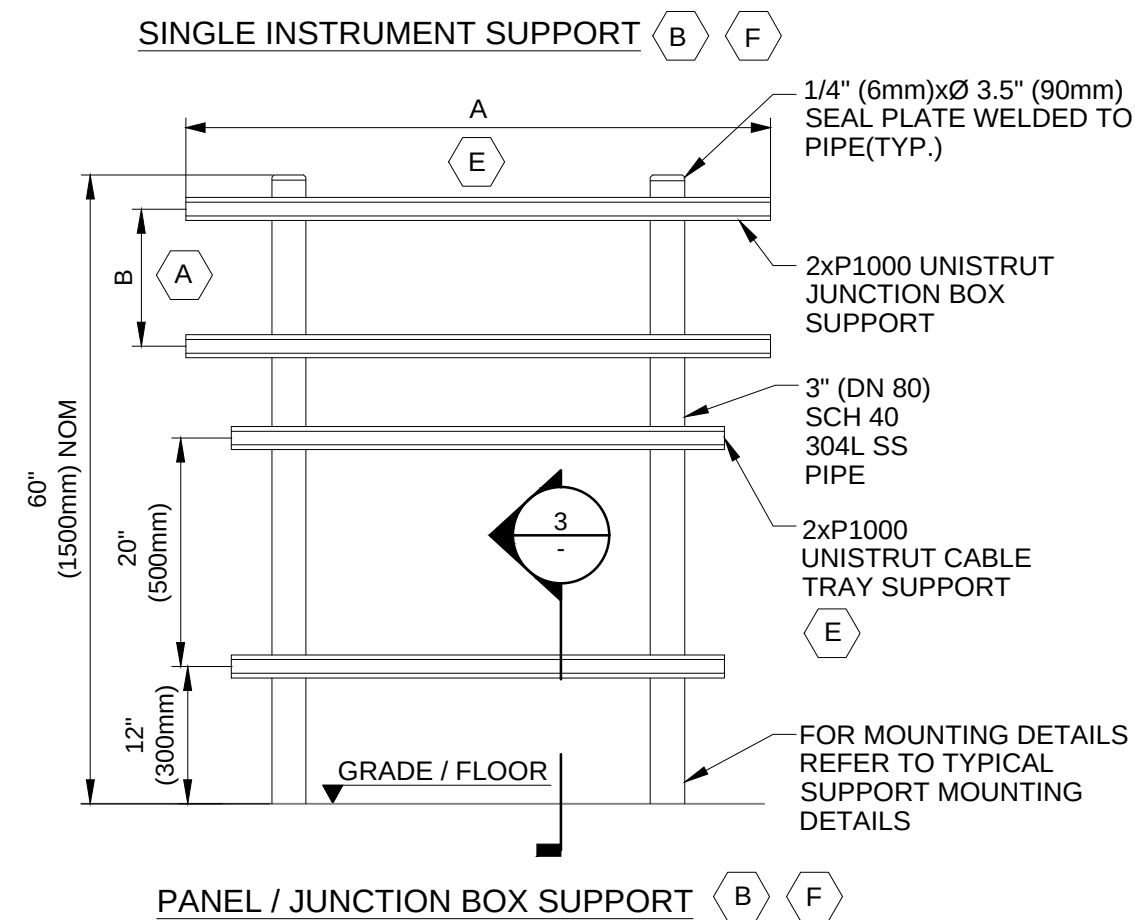
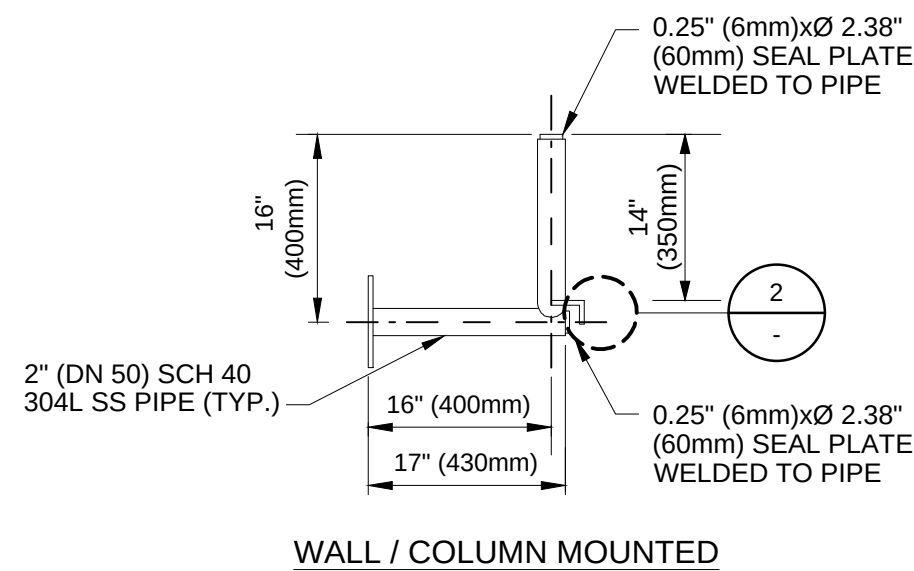
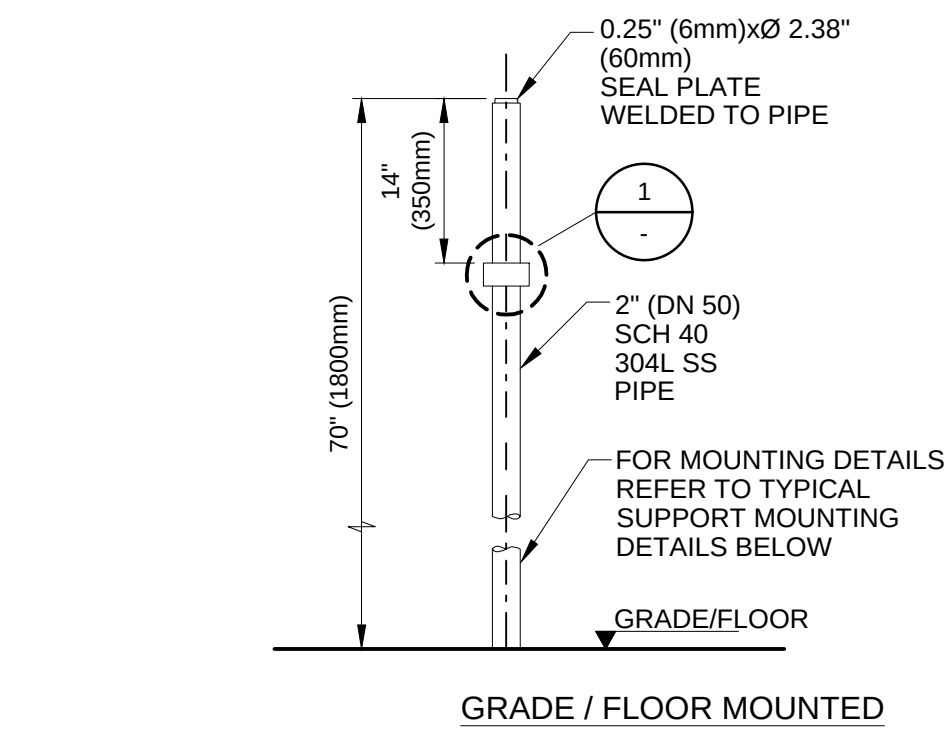
# CHASKA NORTH WTP STANDARD INSTALLATION DETAILS X

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| SURVEY    |          |           |
| DRAWN     |          | SM        |
| DESIGNED  |          | TC        |
| CHECKED   |          | AY        |
| APPROVED  |          | RAR       |
| PROJ. NO. |          | 193805386 |

SHEET NUMBER

# N510





GENERAL NOTES:

1. INSTRUMENT DISPLAY SHALL BE SITUATED 48" (1220mm) ABOVE GRADE. REQUEST FOR DEVIATION SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL.
2. REFER TO WEATHER SHIELD INSTALLATION DETAILS I-702 FOR WEATHER SHIELD SPECIFICS AND ADDITIONAL INSTALLATION REQUIREMENTS.
3. AFTER FABRICATION REMOVE ALL SHARP EDGES, BURRS ETC.
4. ALL WELDS SHALL BE 0.2" (6mm) CONTINUOUS FILLET WELDS FULL PERIMETER UNLESS NOTED OTHERWISE.
5. STANDS ARE TYPICAL; SITE MODIFICATION MAY BE NECESSARY TO ACCOMMODATE INSTALLATION.

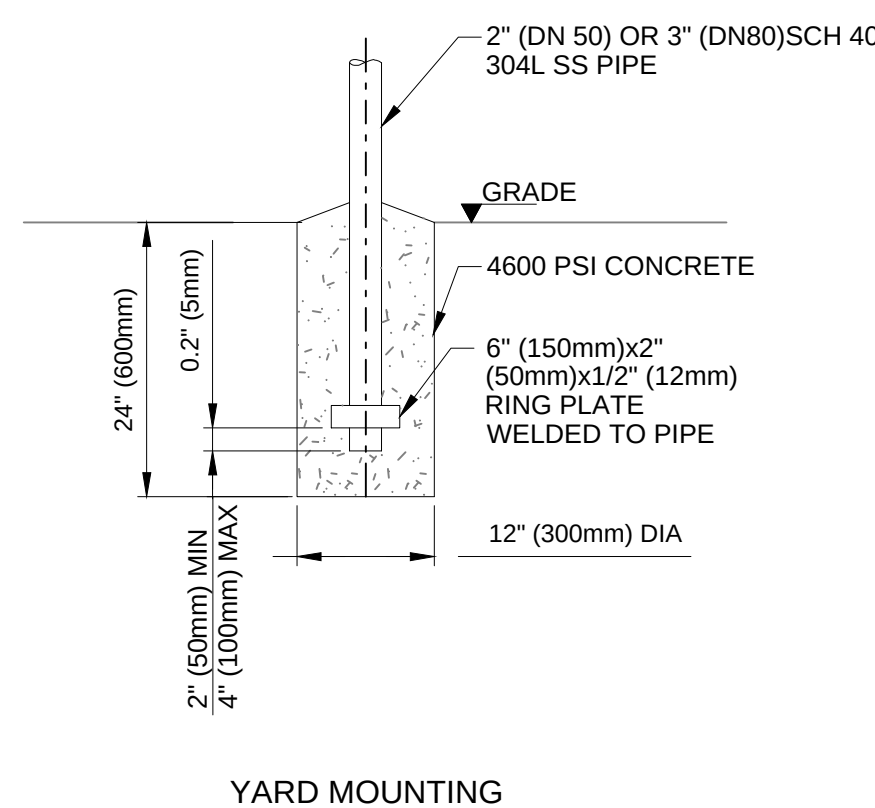
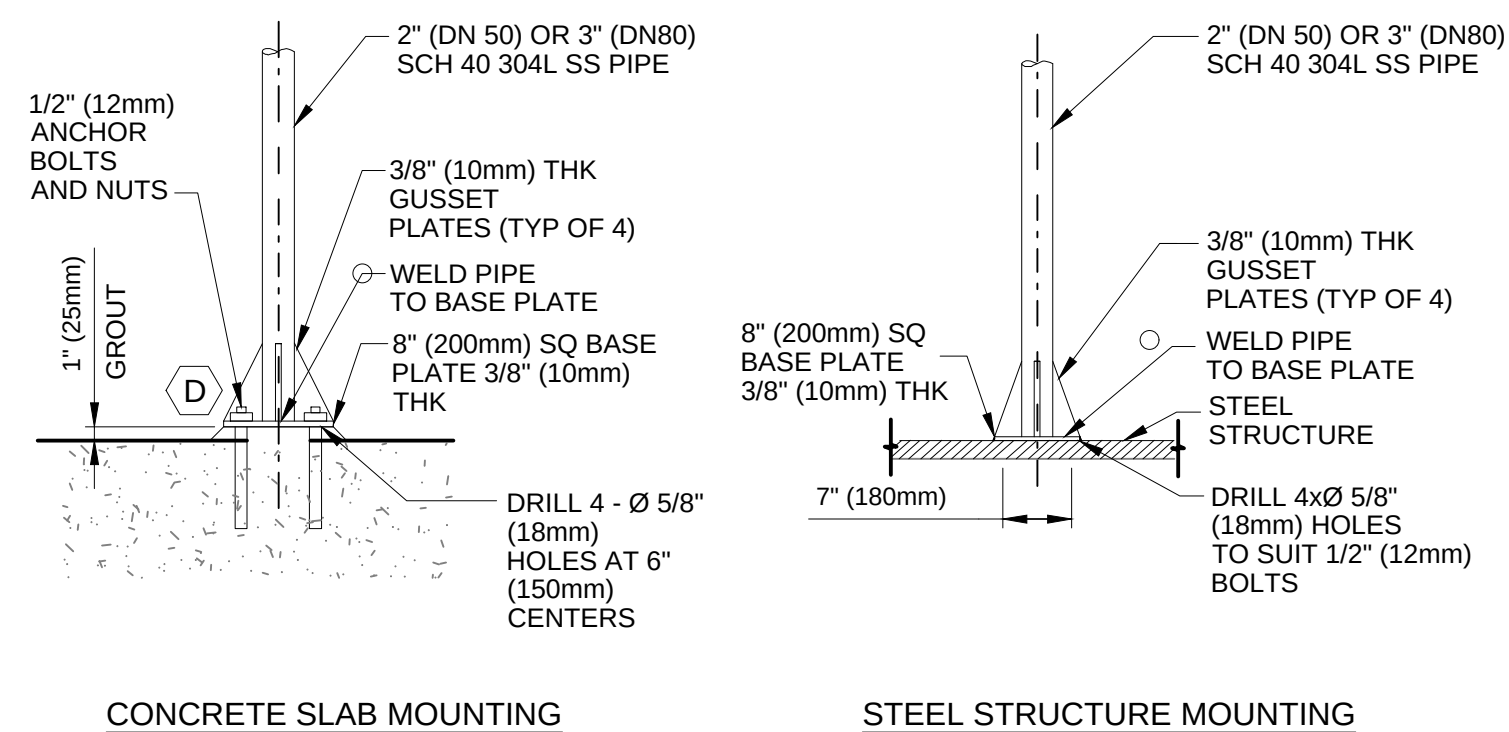
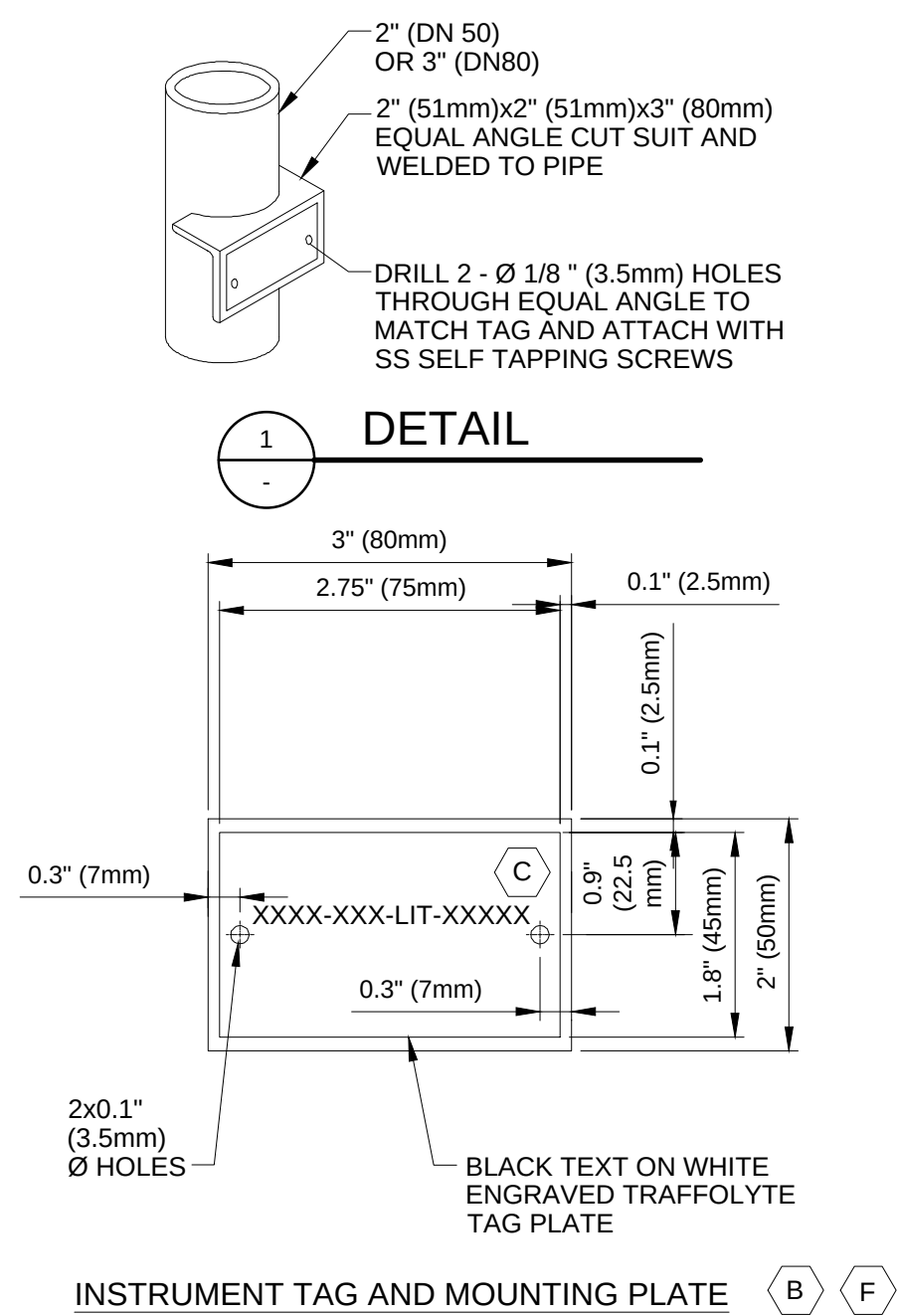
 KEYNOTES:

- |    |                                                                                                                                                                                                                                   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. | DIMENSION "B" TO SUIT JUNCTION BOX MOUNTING BRACKETS.                                                                                                                                                                             |
| B. | ALL HEAT AFFECTED WELD AREAS TO BE PAINTED WITH ZINC CHROMATE.                                                                                                                                                                    |
| C. | REFER TO PROJECT INSTRUMENT SCHEDULE FOR TAG NUMBERING DETAILS.                                                                                                                                                                   |
| D. | BASEPLATES TO BE FIXED TO CONCRETE USING 1/2" (12mm) 316 SS ANCHOR BOLTS (QTY=4) USING MULTI EPOXY ADHESIVE ANCHORS. IF CONCRETE THICKNESS IS INSUFFICIENT FOR MOUNTING VERTICAL BASE PLATES, EMPLOY A THROUGH BOLTED CONNECTION. |
| E. | DIMENSION "A" LENGTH AND CABLE TRAY SUPPORT LENGTH AS REQUIRED TO SUIT NUMBER OF JUNCTION BOXES OR CONTROL PANELS.                                                                                                                |
| F. | SUPPORT ASSEMBLY SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.                                                                                                                                                                   |

(I-701)

## INSTRUMENT STAND

REV 010119



### TYPICAL SUPPORT MOUNTING DETAILS

## 3 SECTION

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PRINT NAME: RAM A. REDDY

SIGNATURE: 

DATE: 2023.05.09 LIC. NO. 58786

CITY OF CHASKA, MINNESOTA

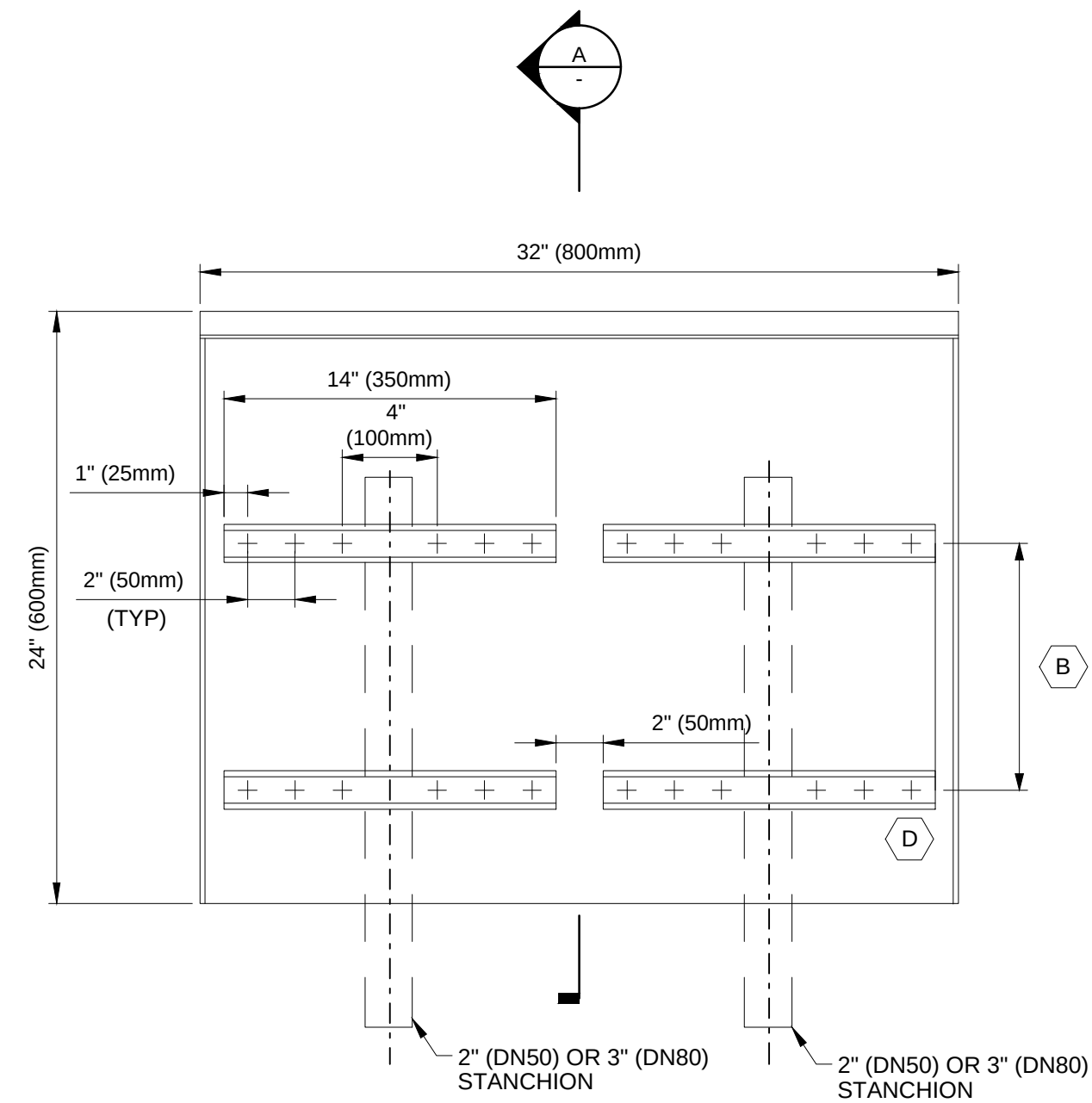
CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET XI

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| SURVEY    |          |           |
| DRAWN     |          | SM        |
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| CHECKED   |          | AY        |
| APPROVED  |          | RAR       |
| PROJ. NO. |          | 193805386 |

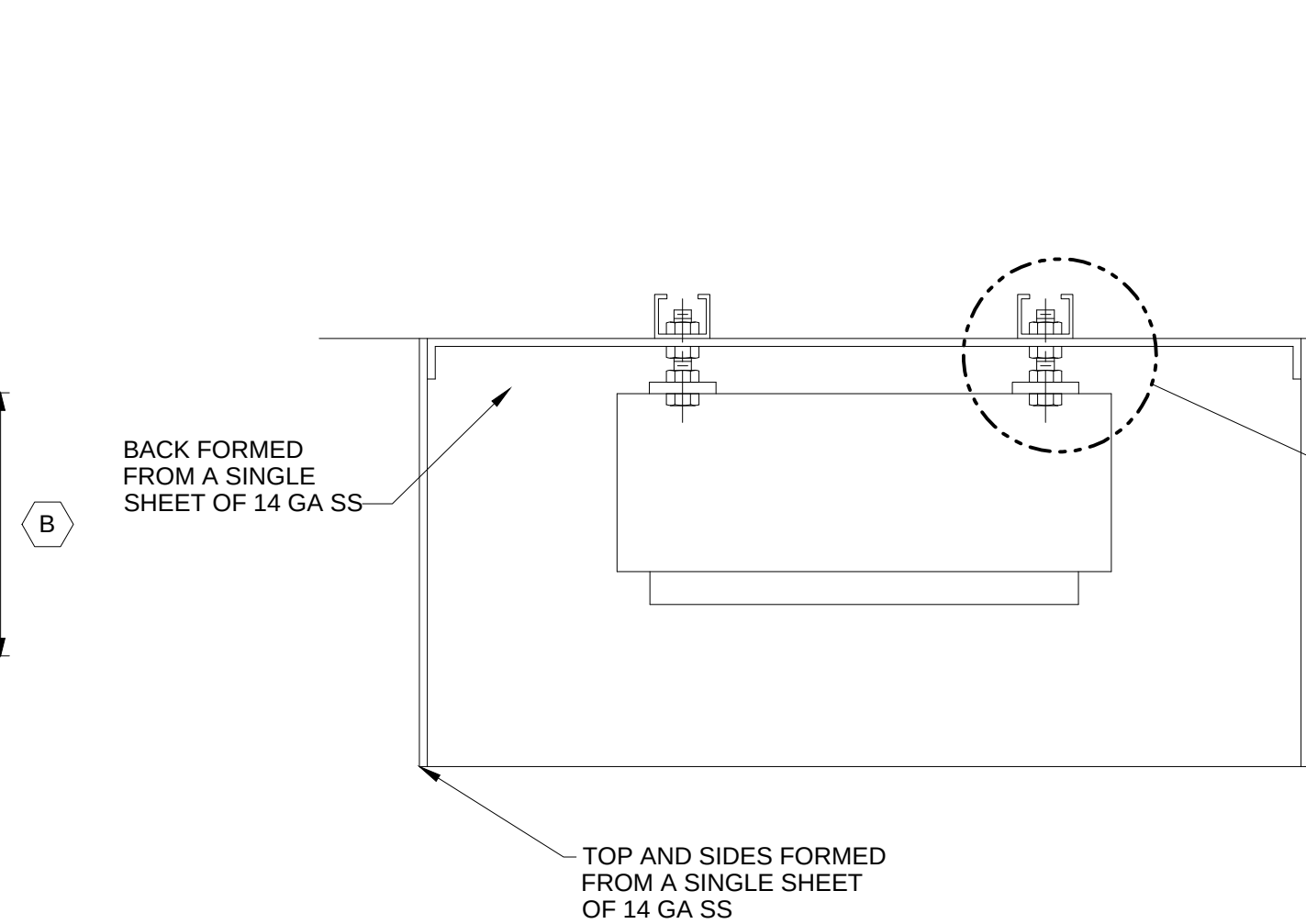
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N511

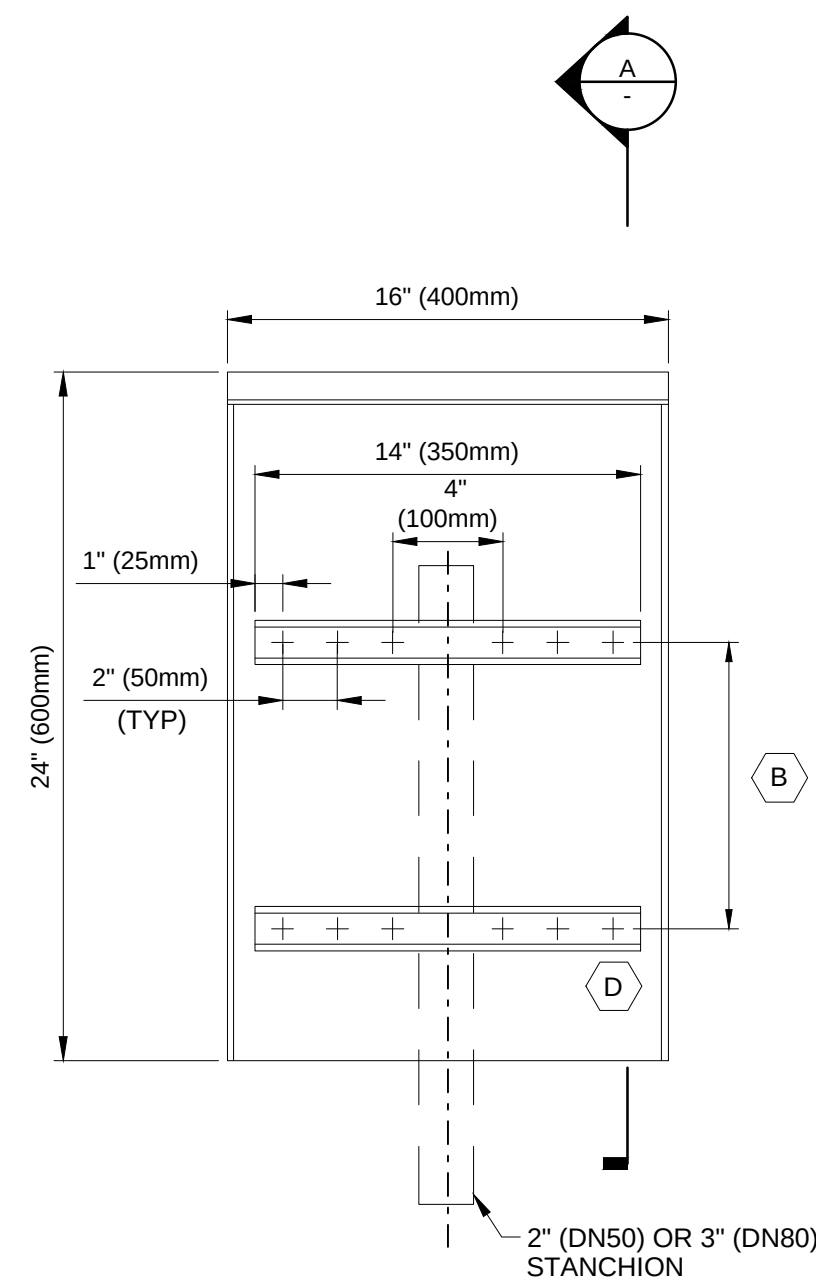
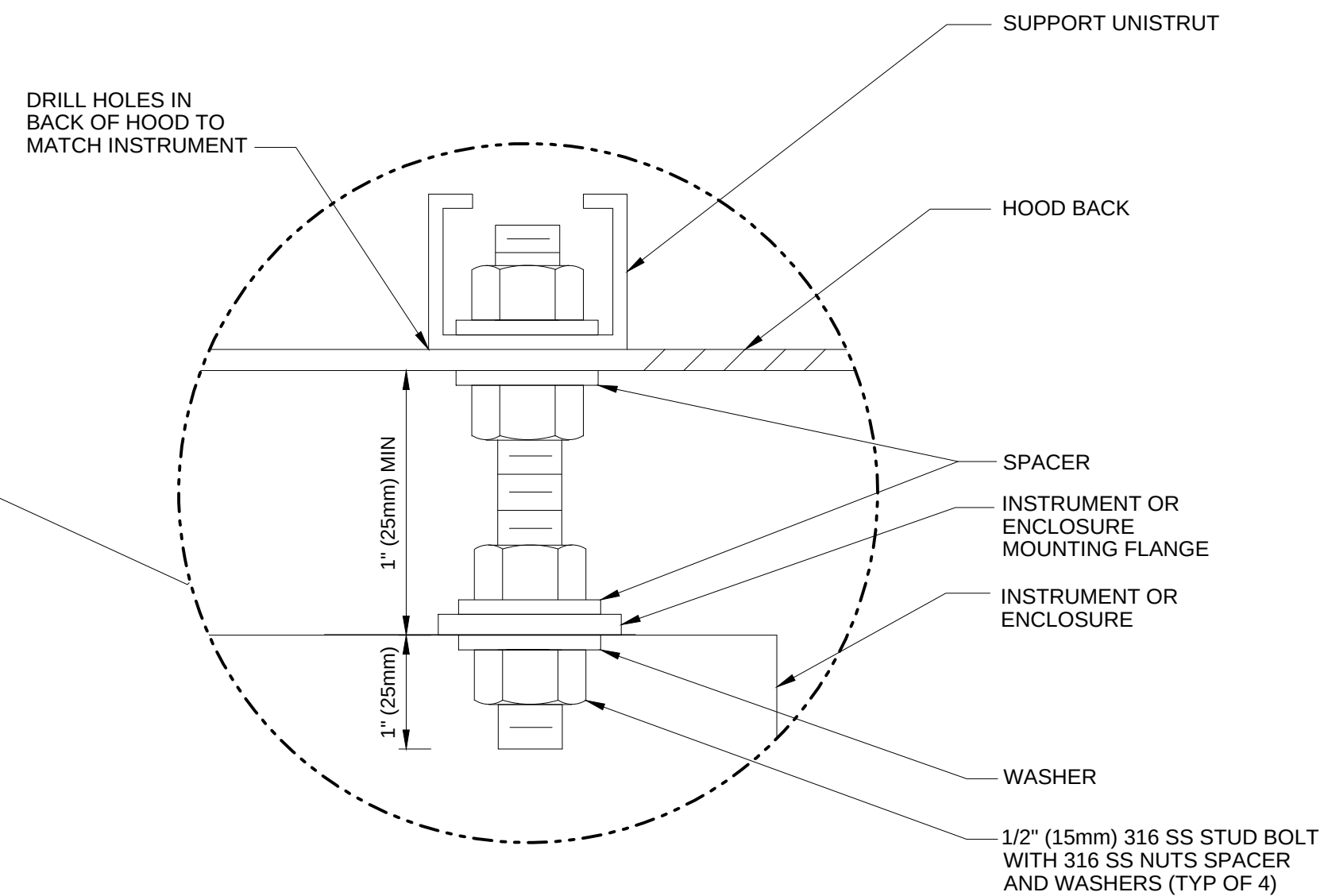




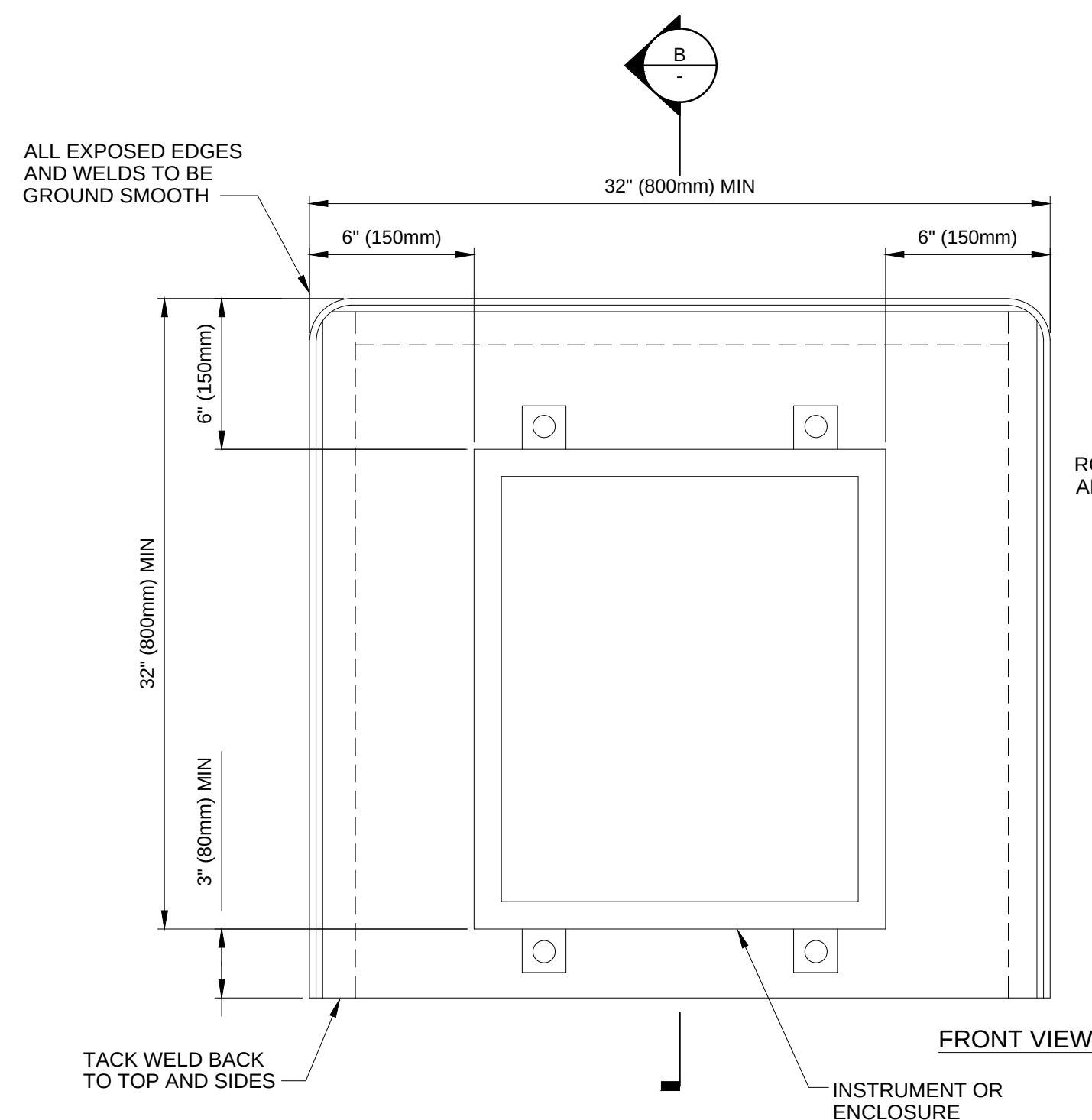
TYPE 32" (800mm) FRONT VIEW



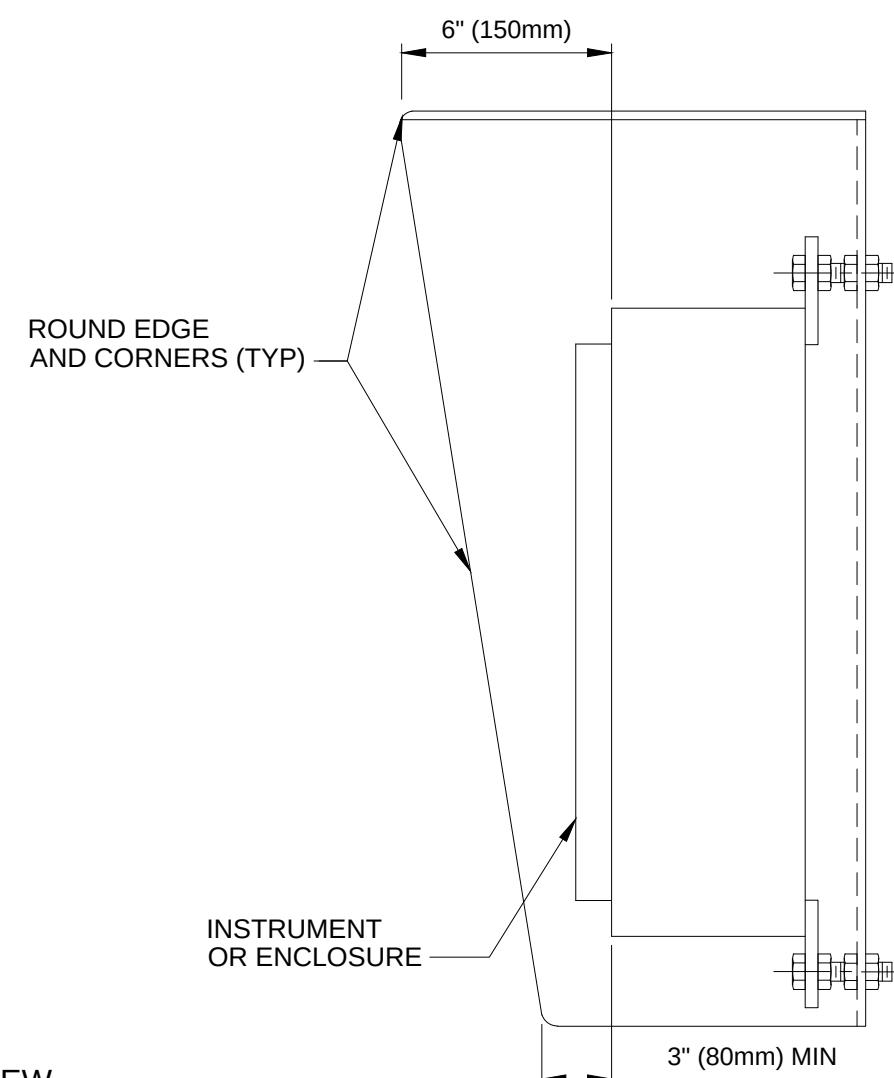
### TOP VIEW WITH MOUNTED ELEMENT



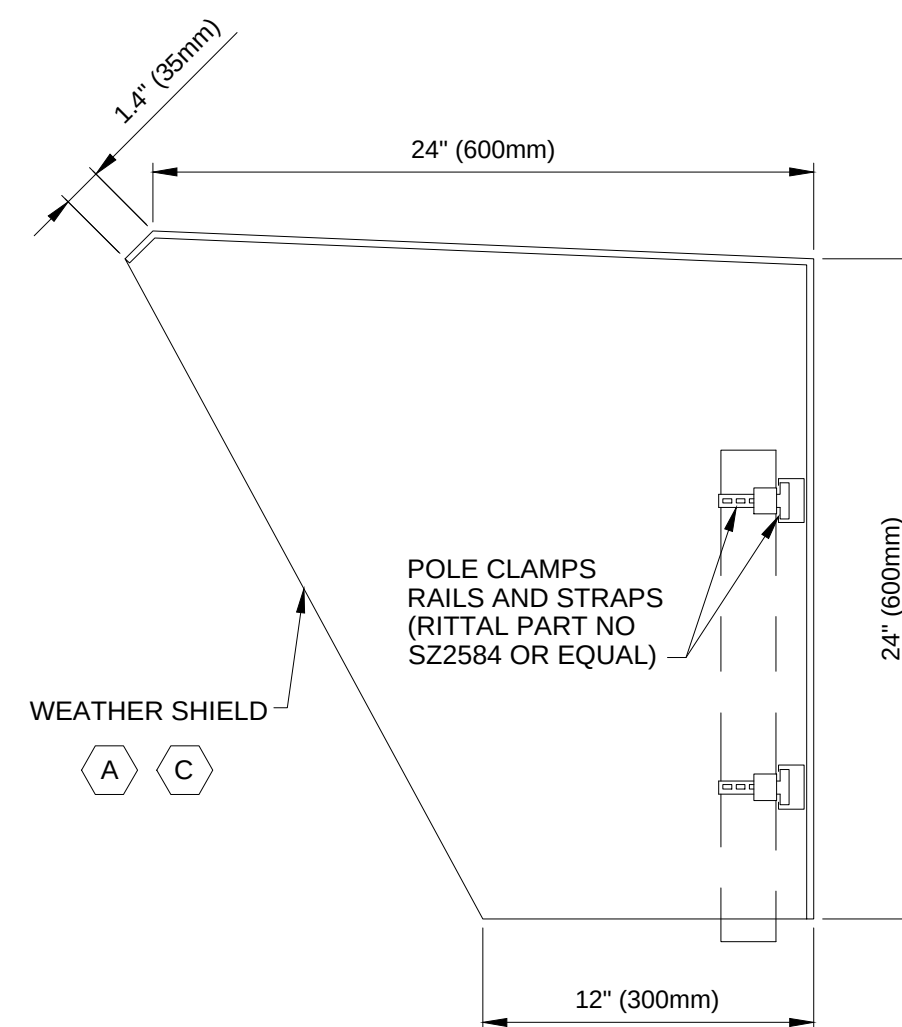
TYPE 16" (400mm) FRONT VIEW



FRONT VIEW WITH MOUNTED ELEMENT



SECTION



 SECTION

### GENERAL NOTES

1. REFER TO INSTRUMENT STAND INSTALLATION DETAIL I-701 FOR STANCHION SUPPORT DETAILS.
2. CROSS RAILS TO HAVE MOUNTING HOLES DRILLED AS DETAILED.

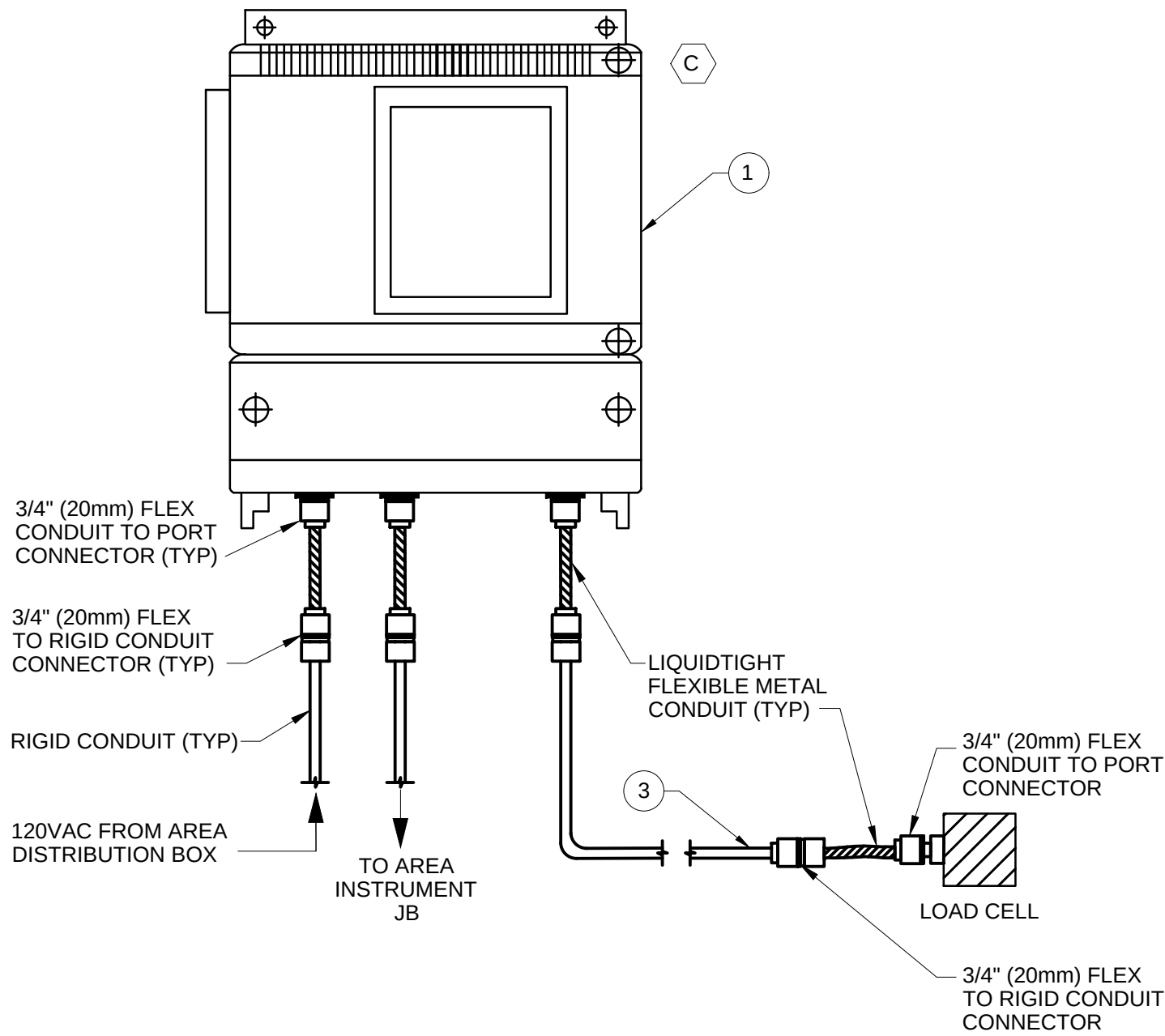
 **KEYNOTES:**

- A. 304 STAINLESS STEEL.
- B. WEATHER SHIELD MOUNTING HOLES ARE TO BE DRILLED ON SITE TO SUIT JUNCTION BOX POSITION, HOLES TO BE SMOOTH AND DEBURRED.
- C. WEATHER SHIELD OPEN AT FRONT AND BOTTOM.
- D. WEATHER SHIELD ATTACHED TO CROSS RAILS WITH 1/4" (6mm) DIA BY 3/4" (20mm) LONG 316SS BOLTS, 1/4" (6mm) DIA NUTS AND WASHERS.

INSTRUMENT WEATHER SHIELD

REV 010119



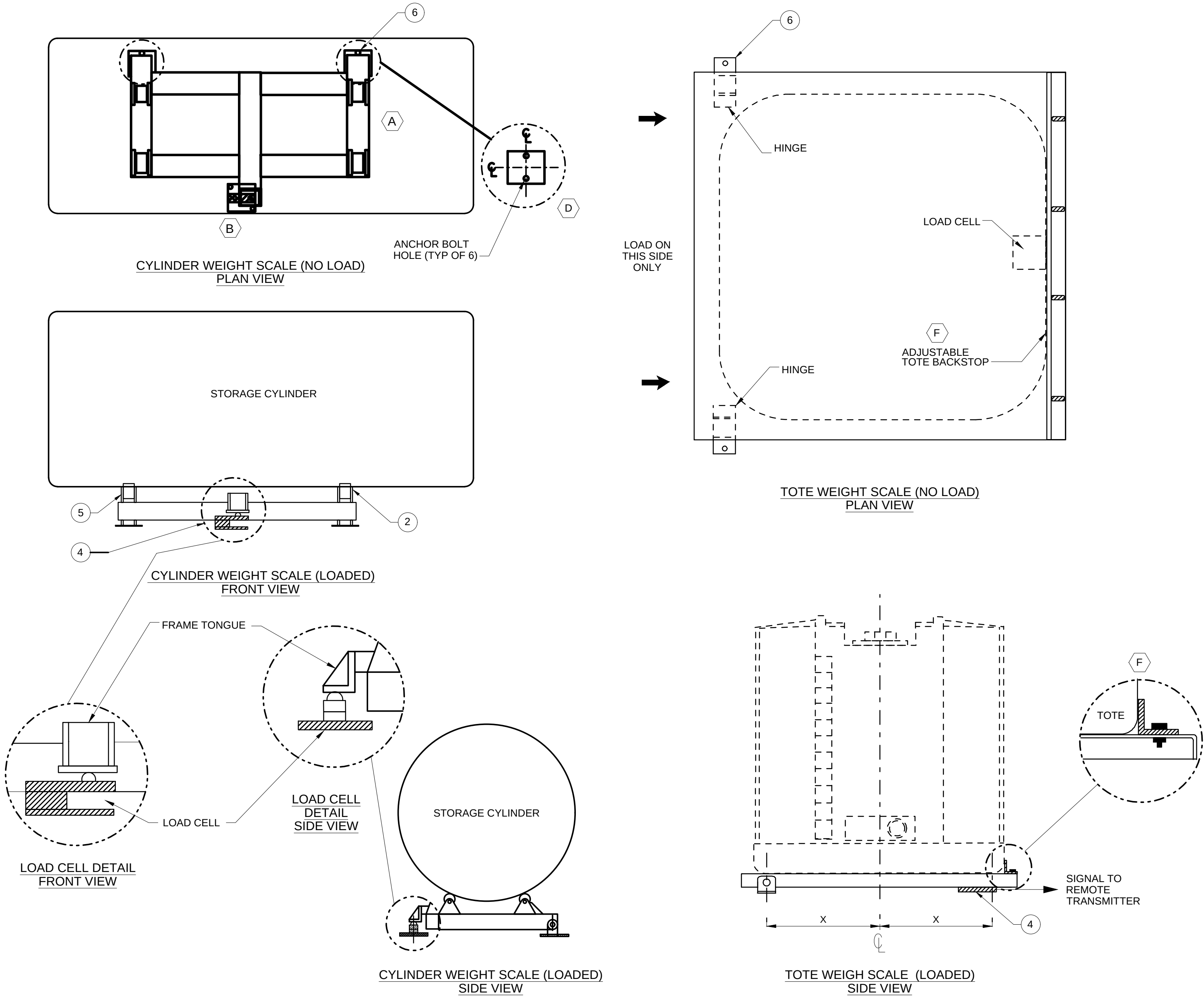


GENERAL NOTES:

- TRUNNION BASE AND LOAD CELL INSTALLATION PER MANUFACTURER'S REQUIREMENTS. STORAGE CYLINDER SUPPORTING CHAINS / STRAPS NOT SHOWN.
- REFER TO DIVISION 26 SPECIFICATIONS FOR FLEX AND RIGID CONDUIT MATERIAL AND USAGE LIMITATIONS.
- FOR TOTE WEIGH SCALE: COORDINATE TOTE WEIGH SCALE INSTALLATION WITH ANTICIPATED LOAD / UNLOAD METHOD.
  - FORKLIFT METHOD: INSTALL AS REQUIRED FOR FORKLIFT ACCESS.
  - PALLET JACK METHOD: SCALE PLATFORM MUST BE FLUSH WITH FLOOR.
- REFER TO SPEC 05500 - MISC METALS FOR ADDITIONAL ANCHORING REQUIREMENTS.

KEYNOTES:

- TRUNNION BASE DIMENSIONS PER VENDOR TO SAFELY ACCOMMODATE REQUIRED LOAD.
- POSITION LOAD CELL PARALLEL WITH SCALE FRAME.
- WALL OR INSTRUMENT-STAND MOUNT PER DETAIL I-701.
- DRILL CONCRETE AND FASTEN WITH REDHEAD ANCHORS. DO NOT PRE-POUR ANCHOR BOLTS IN CONCRETE SLAB.
- ANCHOR BOLT SIZE TO BE CONFIRMED BY MANUFACTURER.
- FOR ACCURATE MEASUREMENT, ADJUST BACKSTOP SO THAT TOTE IS CENTERED ON PLATFORM.



LOAD ON THIS SIDE ONLY

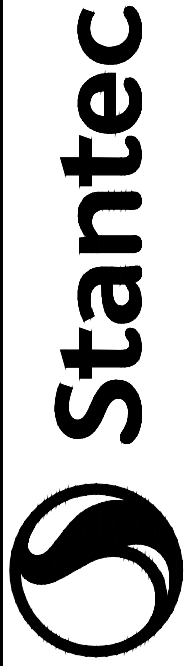


| BILL OF MATERIALS |                |                                                                             |        |                                    |                                    |
|-------------------|----------------|-----------------------------------------------------------------------------|--------|------------------------------------|------------------------------------|
| ITEM              | QTY            | DESCRIPTION                                                                 | SUPPLY | MATERIAL/<br>RATING<br>(WATER)     | MATERIAL/<br>RATING<br>(CHEMICAL)  |
| 1                 | 1              | ELECTRONIC DISPLAY / TRANSMITTER HOUSING                                    | MANF   | NON-METALLIC, UV RESISTANT         | NON-METALLIC, UV RESISTANT         |
| 2                 | PER CYL        | SINGLE CYLINDER TRUNNION BASE WITH LOAD CELL <span>A</span>                 | MANF   | ASTM-A36 EPOXY POWDER COATED STEEL | ASTM-A36 EPOXY POWDER COATED STEEL |
| 3                 | 1 PER SCALE    | LOAD CELL SIGNAL CABLE (LENGTH AS REQUIRED)                                 | MANF   | JACKET PER MANF                    | JACKET PER MANF                    |
| 4                 | 1 PER SCALE    | SHEAR BEAM, STRAIN GAUGE TYPE LOAD CELL                                     | MANF   | PER MANF                           | PER MANF                           |
| 5                 | 4 PER SCALE    | BRUSHED BEARING ROLLER                                                      | MANF   | PER MANF                           | PER MANF                           |
| 6                 | AS REQ BY MANF | 5/8" (16mm) DIA x 1 1/2" (38mm) LONG SS REDHEAD ANCHOR BOLTS <span>E</span> | MANF   | PER MANF                           | PER MANF                           |

I-802

WEIGHT SCALE

REV 010119



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PRINT NAME: RAN A. REDDY

SIGNATURE:

DATE: 2023.05.09

LC NO. 59736

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET XIII

NO. REVISION DATE

SURVEY  
DRAWN SM  
DESIGNED TC  
CHECKED AY  
APPROVED RAR  
PROJ. NO. 193805386

SHEET NUMBER

N513



Plot Date: 05/10/2023 - 5:56pm  
Drawing name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG \Instrumentation Sheet Files\N514.dwg



A. NOT USED

B. NOT USED

C. THE SENSOR MUST BE MOUNTED WITHIN 6' (1820mm) OF THE CONTROLLER UNLESS EXTENSION CABLE IS USED. THE MAXIMUM CABLE LENGTH IS 31' (9450mm).

D. PROVIDE 316SS STAINLESS STEEL REDUCERS AS REQUIRED TO MATCH VENDOR FITTINGS.

RESIDUAL CHLORINE  
FILTER EFFLUENT

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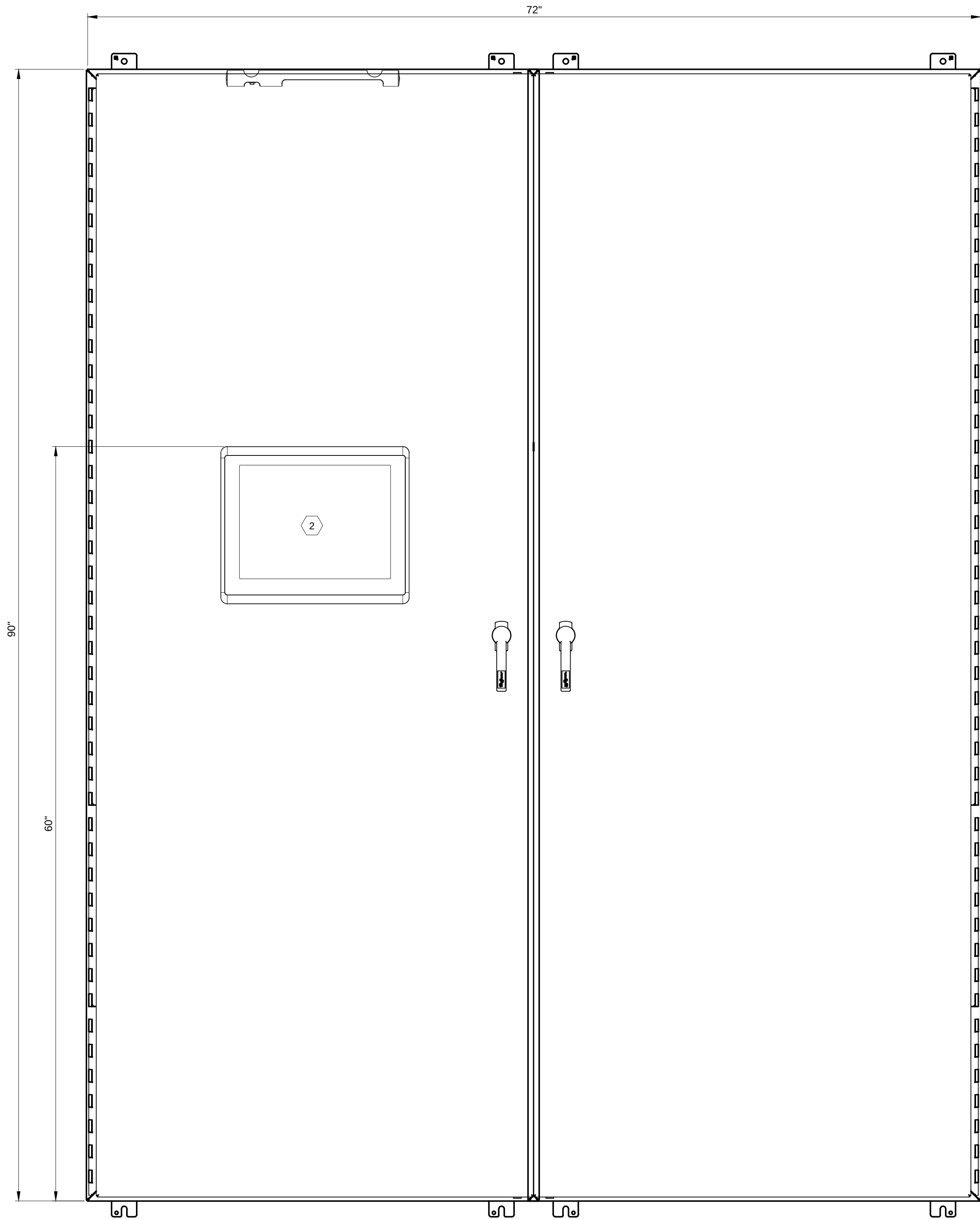
|            |            |        |       |
|------------|------------|--------|-------|
| SIGNATURE: | 2023.05.09 | IIC NO | 58786 |
|------------|------------|--------|-------|

CHASKA NORTH WTP  
STANDARD INSTALLATION DETAILS SHEET XIV



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Drawing name: C:\Project Cache\193805386\_WTP\_Chaska\PID DWG Instrumentation Sheet Files\N601.dwg  
Xrefs: 193805386\_P3D\_bdr



FRONT ELEVATION  
SCALE : 2"-1'

| BILL OF MATERIALS |     |               |                 |                                                                                                                         |
|-------------------|-----|---------------|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| ITEM #            | QTY | MANUFACTURER  | PART NUMBER     | PART DESCRIPTION                                                                                                        |
| 1                 | 1   | HOFFMAN       | A907236FSDG     | DOUBLE DOOR ENCLOSURE, FLOOR MOUNT, NEMA TYPE 12 PAINTED STEEL, CONTINUOUS HINGE WITH 3-POINT LATCH, 90"H X 72"W X 36"D |
| 2                 | 1   | ALLEN-BRADLEY | 2711P-T15C22D9P | OPERATOR INTERFACE TERMINAL, PANEL VIEW, 15" COLOR SCREEN, 24VDC                                                        |

A

 SHEET KEYNOTES

- A. POSITION THE TOP OF THE OPERATOR INTERFACE TERMINAL NO HIGHER THAN 60 INCHES ABOVE FINISHED FLOOR.

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PRINT NAME- RAM A. REDDY

SIGNATURE: *Anna A. Kelly*

DATE: 2023.05.09 LIC. NO. 58786

CITY OF CHASKA, MINNESOTA

CHASKA NORTH WTP  
PLC SCP ENCLOSURE FRONT

|           | NOREVISION | DATE |
|-----------|------------|------|
|           |            |      |
|           |            |      |
|           |            |      |
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|           |            |      |
|           |            |      |
| SURVEY    |            |      |
| DRAWN     |            | SM   |
| DESIGNED  |            | TC   |
| CHECKED   |            | AY   |
| APPROVED  |            | RAF  |
| PROJ. NO. | 193805386  |      |

SHEET NUMBER

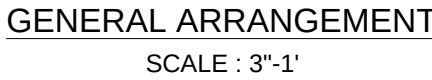
# N601



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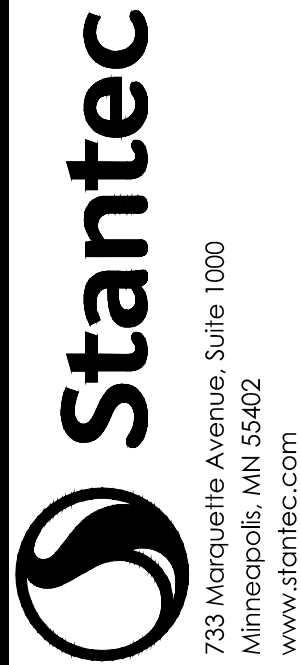
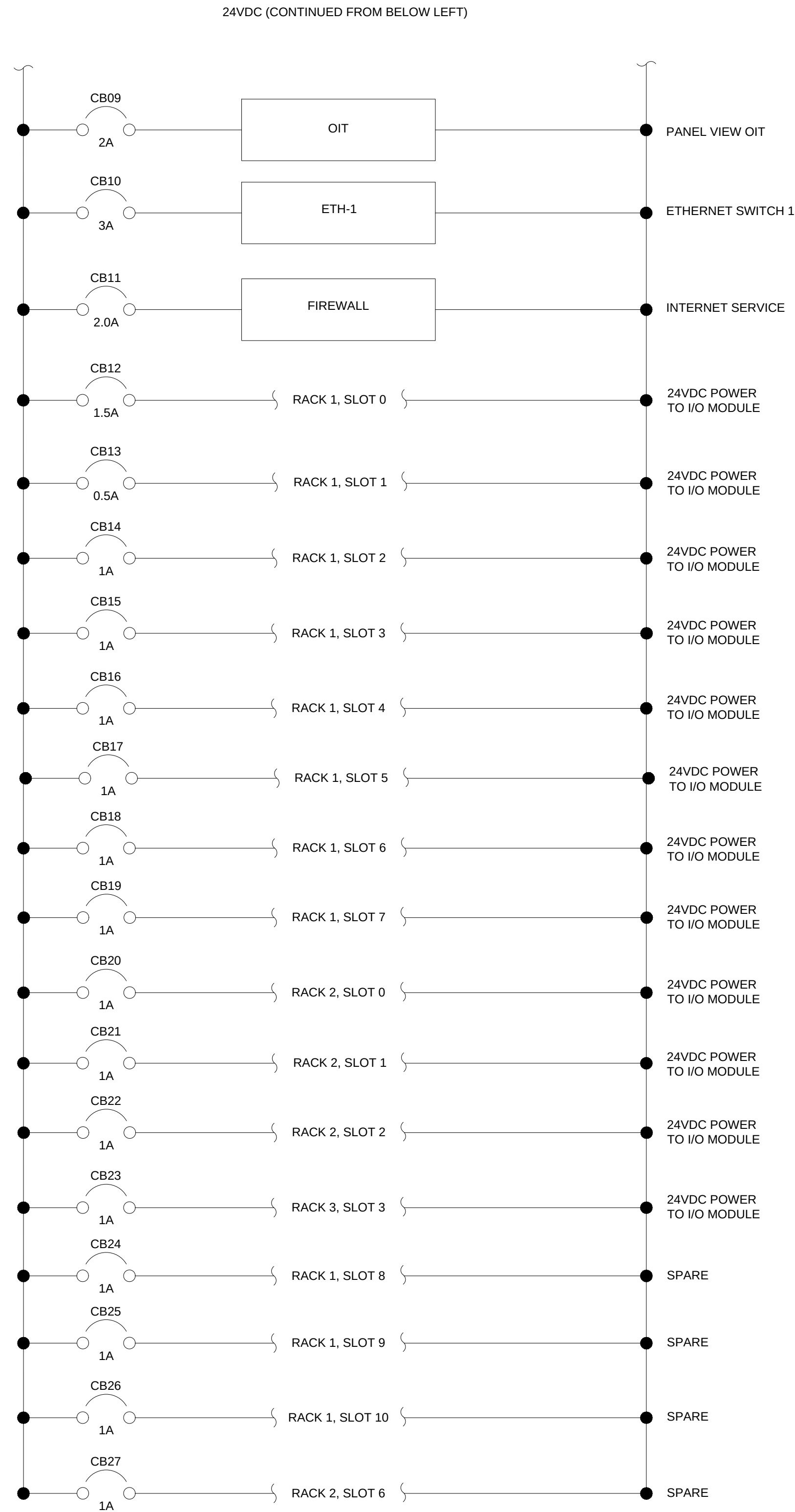
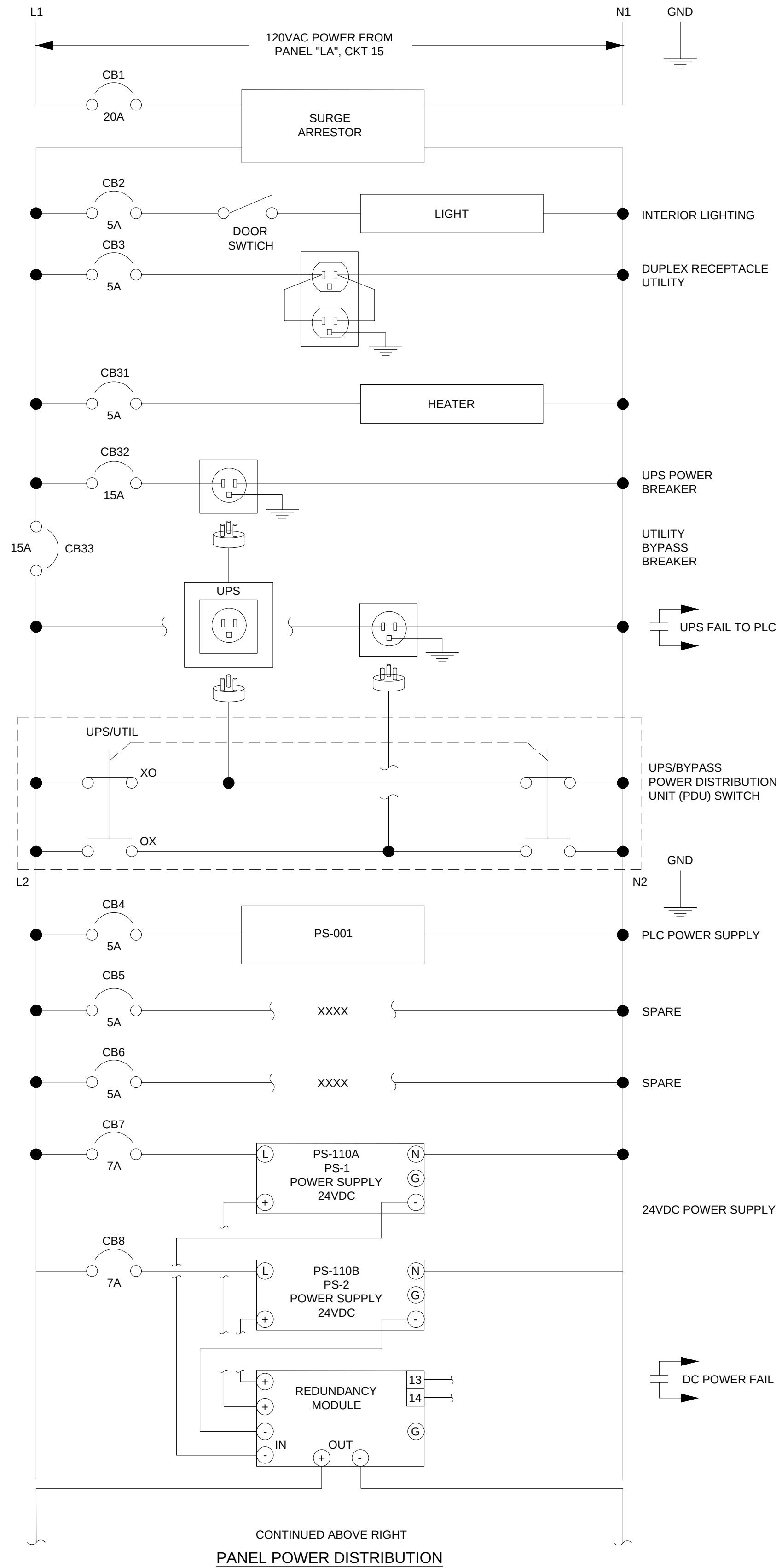
1. THE BOTTOM 12" OF THE PANEL SHALL BE FREE OF ALL DEVICES, INCLUDING TERMINAL STRIPS, TO PROVIDE EASE OF INSTALLATION AND TESTING.
2. CONTRACTOR SHALL SUPPLY THE TYPE AND QUANTITY OF PLC MODULES AND ANCILLARY HARDWARE, AS REQUIRED, INCLUDING FUTURE SCADA GROWTH PROVISIONS AS SPECIFIED.
3. CONTRACTOR SHALL SUPPLY THE PLC CHASSIS QUANTITY AND SIZES TO ACCOMMODATE THE REQUIRED QUANTITY OF PLC MODULES, AS REQUIRED, INCLUDING FUTURE SCADA GROWTH PROVISIONS AS SPECIFIED.
4. PANEL SHALL BE IN ACCORDANCE WITH NEC ARTICLE 409/UL508A.
5. PROVIDED COMPONENTS SHALL BE AS SPECIFIED UNDER DIVISION 40 SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE THE SCADA GROWTH PROVISIONS (FUTURE EXPANSION, INSTALLED SPARE I/O, AND SPARE SPACE ALLOCATION) AS DEFINED IN SPECIFICATION 40 95 10.
7. PROVIDE CIRCUIT BREAKER PROTECTED BRANCH CIRCUITS AS REQUIRED BY THE QUANTITY OF I/O MODULES PLUS FUTURE SCADA GROWTH PROVISIONS. PROVIDE FUSE AND BREAKER LEGEND PLATE MOUNTED ON INSIDE OF ENCLOSURE DOOR WITH FUSE/BREAKER ID OR NUMBER, CURRENT RATING, AND LOAD(S) SERVED.
8. THE PLC PANEL LAYOUT DRAWING SHOWS THE GENERAL ARRANGEMENT OF THE HARDWARE. THE CONTRACTOR IS RESPONSIBLE FOR THE DETAILED PANEL DESIGN, INCLUDING PANEL SIZING AND AND THE QUANTITY AND TYPE OF HARDWARE SHOWN IN THE BILL OF MATERIALS.
9. FOR ALL PANELS CONTAINING WIRING NOT DE-ENERGIZED BY THE PANEL MAIN DISCONNECTING MEANS OR CIRCUIT BREAKER, PROVIDE A WARNING NAMEPLATE ON THE FRONT OF THE PANEL STATING "WARNING: YELLOW WIRING NOT DE-ENERGIZED BY PANEL DISCONNECTING MEANS". THE NAMEPLATE SHALL BE YELLOW WITH BLACK 1/4" HIGH LETTER ENGRAVINGS AND SHALL BE ATTACHED TO THE PANEL FACE WITH TAPE 3M#5952.

| ITEM NO | QTY         | MANUFACTURER       | MODEL NO                   | DESCRIPTION                                                      |
|---------|-------------|--------------------|----------------------------|------------------------------------------------------------------|
| 1A      | 1           | ALLEN-BRADLEY      | 1756-PA75/B                | PLC POWER SUPPLY                                                 |
| 1B      | 1           | ALLEN-BRADLEY      | 1756-L81E, SERIES B        | PLC PROCESSOR                                                    |
| 1C      | AS-REQUIRED | ALLEN-BRADLEY      | 1756-A17                   | PLC CHASSIS                                                      |
| 1D      | 1           | ALLEN-BRADLEY      | 1756-EN2TR                 | PLC 10/100MBPS ETHERNET/IP COMMUNICATION MODULE                  |
| 1E      | AS-REQUIRED | ALLEN-BRADLEY      | 1756-IA16I W/ 1756-TBCH    | 16 POINT DIGITAL AC INPUT MODULES                                |
| 1F      | AS-REQUIRED | ALLEN-BRADLEY      | 1756-N2                    | FILLER STRIP                                                     |
| 1G      | AS-REQUIRED | ALLEN-BRADLEY      | 1756-OW16I W/ 1756-TBCH    | 16 POINT DIGITAL AC OUTPUT MODULES                               |
| 1H      | AS-REQUIRED | ALLEN-BRADLEY      | 1756-IF8IH                 | EIGHT POINT ISOLATED ANALOG INPUT MODULE                         |
| 1I      | NOT USED    | NOT USED           | NOT USED                   | NOT USED                                                         |
| 2       | 1           | HOFFMAN            | 90.0"x72.0"x30.0", MINIMUM | TWO-DOOR, 3-POINT LATCH, 316 SS NEMA 12                          |
| 3       | 1           | HOFFMAN            | 78.0"x68.0", MINIMUM       | FULL BACK PANEL FOR ITEM 2, WHITE POW-COATED STEEL               |
| 4       | AS-REQUIRED | PANDUIT            | TYPE G                     | WIREWAY AND COVER, SIZE TO ACCO SCADA GROWTH                     |
| 5       | AS-REQUIRED | PHOENIX-CONTACT    | UT 4-HESILA 250-3046100    | FUSE BLOCKS                                                      |
|         | AS-REQUIRED | ALLEN-BRADLEY      | 1492-N37                   | END BARRIER                                                      |
|         | AS-REQUIRED | ALLEN-BRADLEY      | 1492-EAJ35                 | END ANCHOR/RETAINER                                              |
| 6       | AS-REQUIRED | PHOENIX-CONTACT    | UT 4-HESILA 250-3046100    | FUSE BLOCKS                                                      |
|         | AS-REQUIRED | ALLEN-BRADLEY      | 1492-EB3                   | END BARRIER                                                      |
|         | AS-REQUIRED | ALLEN-BRADLEY      | 1492-MS6X12                | SNAP-IN MARKER CARDS                                             |
|         | AS-REQUIRED | ALLEN-BRADLEY      | 1492-EAJ35                 | END ANCHOR/RETAINER                                              |
| 7       | 2           | ALLEN-BRADLEY      | 1606-XLS120E               | ETHERNET AND PANELVIEW POWER SUPPLIES                            |
| 8       | 1-LOT       | N/A                | N/A                        | PLC PANEL NAME PLATES PER SPECIFICATION 409200                   |
| 9       | AS-REQUIRED | ALLEN-BRADLEY      | SPM1CXXX                   | MINIATURE CIRCUIT BREAKER - 1-POLE                               |
| 10      | 1           | LEVITON            | 5801-W/80704-W             | DIN RAIL MOUNT 20A DUPLEX GFI RECEPTACLE                         |
| 10A     | 1           | LEVITON/TRIPP LITE | FNT2-W/80401-GFW           | 20A SIMPLEX RECEPTACLE                                           |
| 11      | 2           | MTL                | ZB24550                    | 100BASE-T SURGE PROTECTION 2 X RJ45                              |
| 12      | 2           | ASCO               | 277120FN020AN3NO           | SURGE PROTECTION                                                 |
| 13      | 2           | HOFFMAN            | LEDA 1835 AND ALFWD        | LED LIGHTING PACKAGES WITH DOOR SWITCHES                         |
| 14      | 1           | EATON              | 9PX1500RTN                 | UPS                                                              |
| 14A     | 1           | EATON              | EHBPL1500R-PDU1U           | UPS MAINTENANCE BYPASS POWER DISTRIBUTING UNIT                   |
| 15      | AS-REQUIRED | ALLEN-BRADLEY      | 1492-DR5                   | STANDARD DIN RAIL MOUNTING CHANNEL                               |
| 16      | AS-REQUIRED | ALLEN-BRADLEY      | 1492-DR6                   | HIGH-RISE DIN RAIL MOUNTING CHANNEL                              |
| 17      | 1           | ALLEN-BRADLEY      | 1783-BMS10CGN              | MODULAR MANAGED ETHERNET SWITCH                                  |
| 18      | 1           | ALLEN-BRADLEY      | 2711P-T15C22D9P            | PANEL-MOUNTED OPERATOR INTERFACE TERMINAL (OIT) AND LOGIC MODULE |
| 19      | 1           | PHOENIX CONTACT    | 2881007                    | LSA ETHERNET SURGE PROTECTOR                                     |
| 20      | 1           | CORNING            | SPH-01P                    | FIBER PATCH PANEL                                                |
| 22      | 1           | PHOENIX CONTACT    | 270253<X>                  | SERIES TC ROUTER 3002T-4G FOR VERIZON OR AT&T                    |
| 24      | 1           | HOFFMAN            | E19SWM12U24                | BACKPLANE MOUNTED SHELF                                          |
| 25      | 1           | SQUARE D           | PK9GTA                     | GROUND BAR                                                       |
| 26      | 1           | PHOENIX CONTACT    | 2702465                    | FL MGUARD RS4000 FIREWALL                                        |



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User: 193805386\_PJD\_tdr



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PRINT NAME: RAR A. REDDY

SIGNATURE:

DATE: 2023.05.09 UC NO. 59786

## CITY OF CHASKA, MINNESOTA

### CHASKA NORTH WTP TYPICAL PLC PANEL POWER DISTRIBUTION

| NO | REVISION | DATE |
|----|----------|------|
|    |          |      |
|    |          |      |
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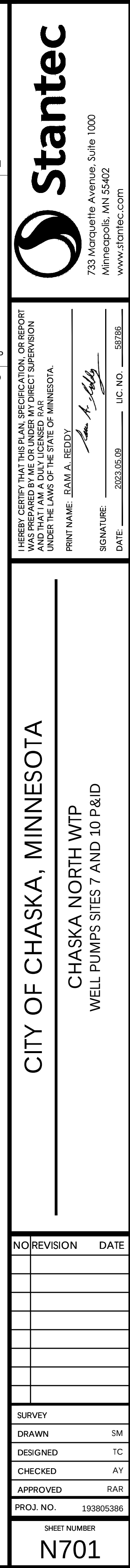
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|-----------|-----------|
| SURVEY    |           |
| DRAWN     | SM        |
| DESIGNED  | TC        |
| CHECKED   | AY        |
| APPROVED  | RAR       |
| PROJ. NO. | 193805386 |

SHEET NUMBER

N604

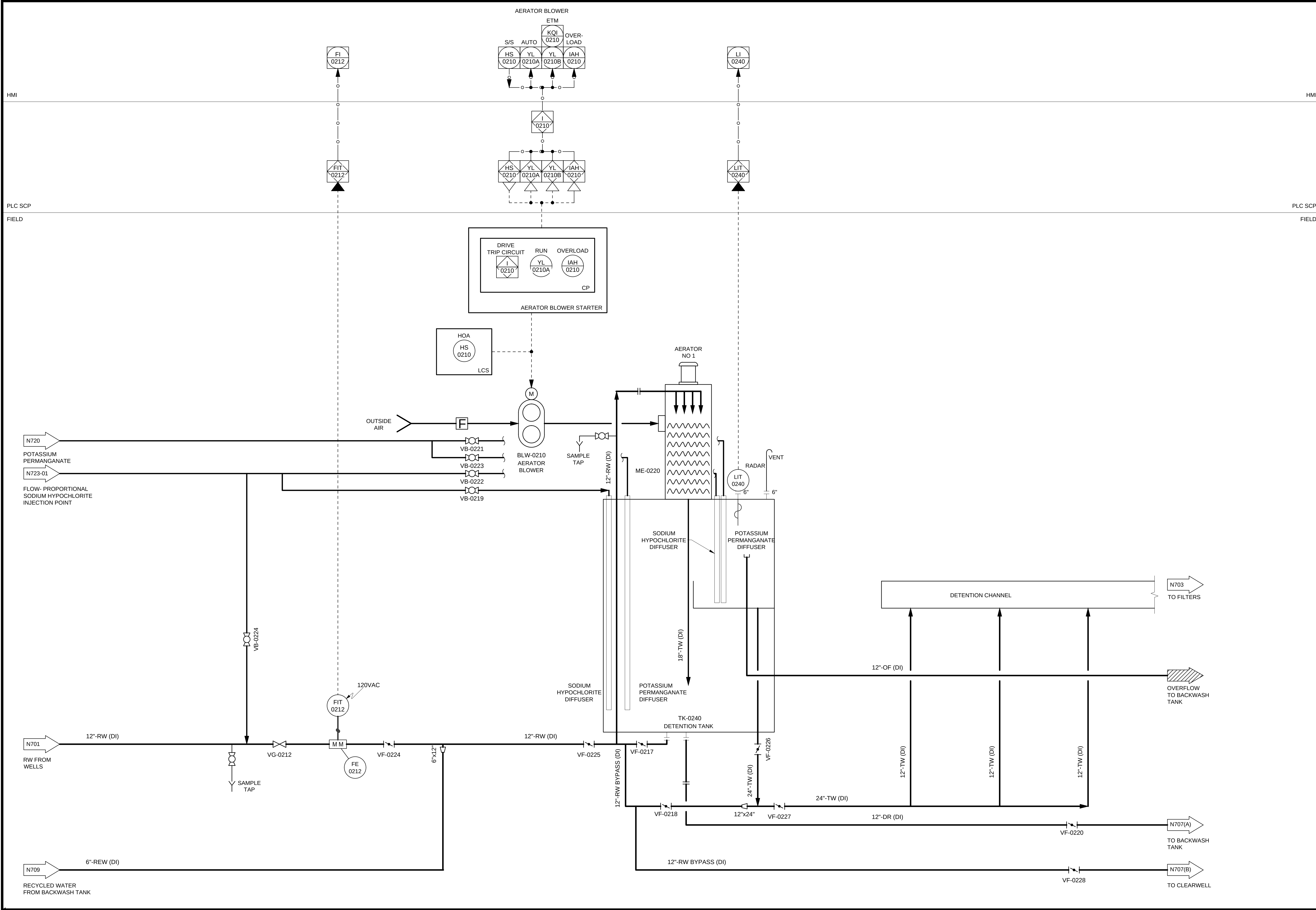


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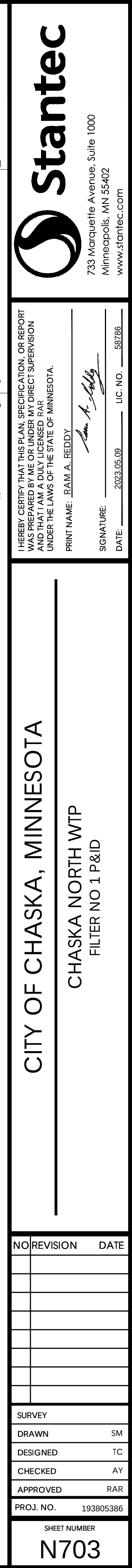
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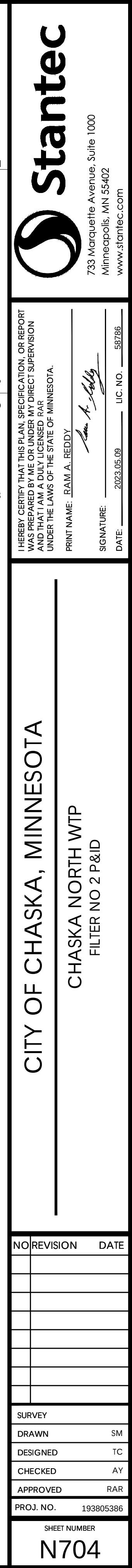


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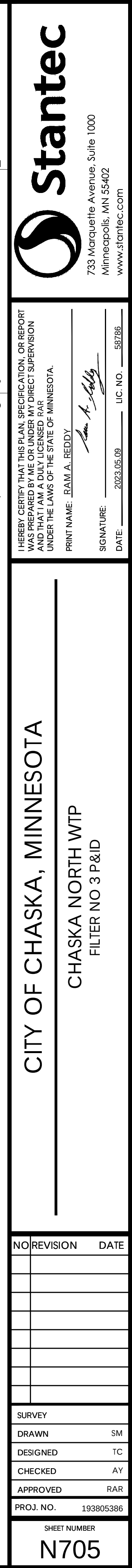


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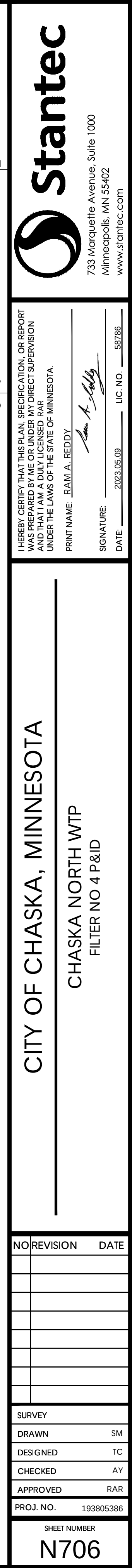


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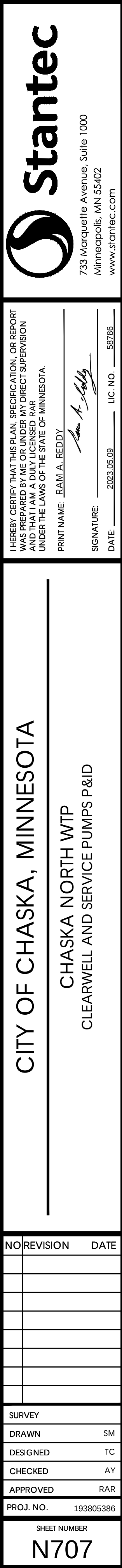


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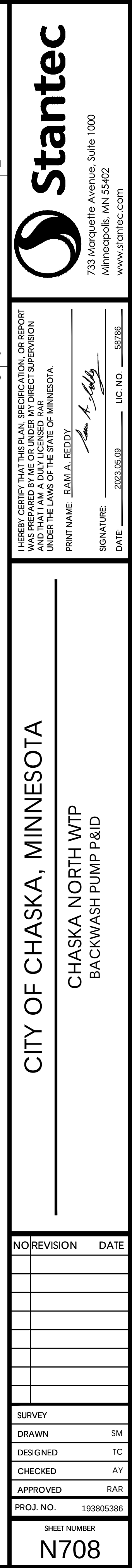


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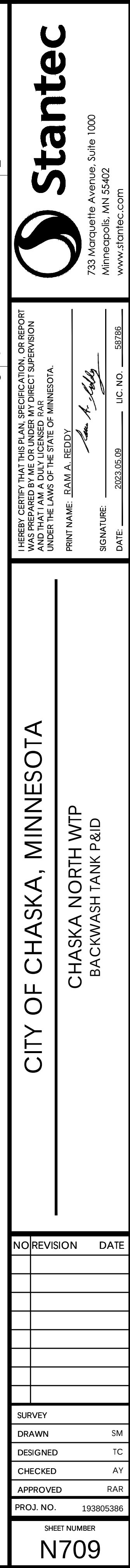


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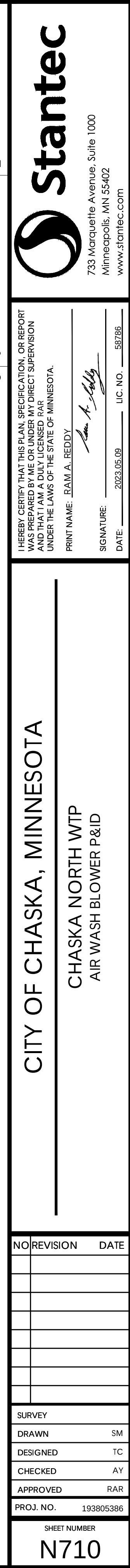


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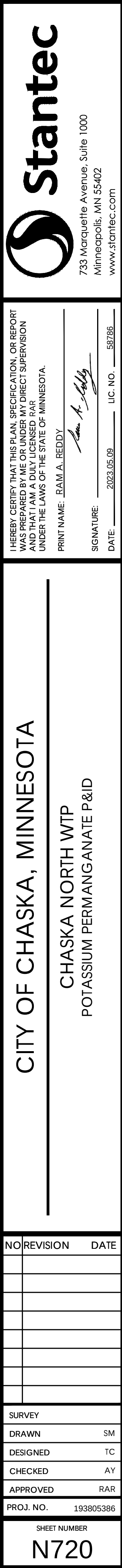


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User: jacobson, ncp, b44



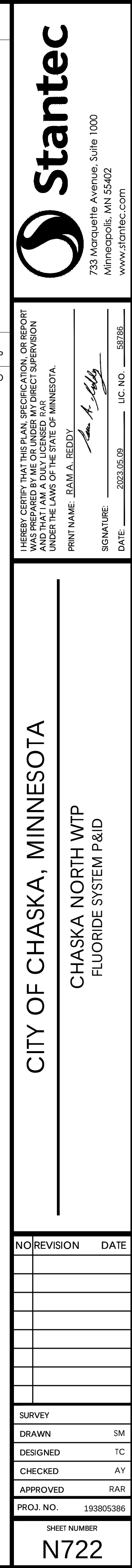


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User: spencer.noyes



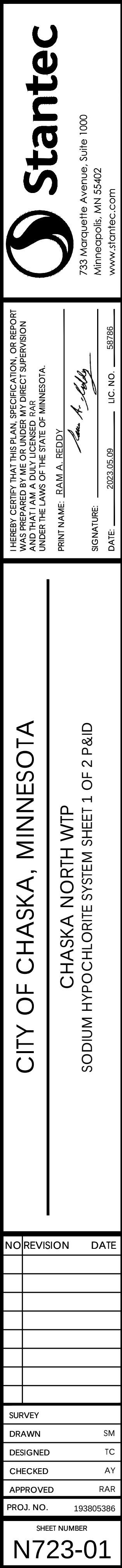


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Xrefs: 193805386\_P3D\_bdr





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HM

CITY OF CHASKA, MINNESOTA

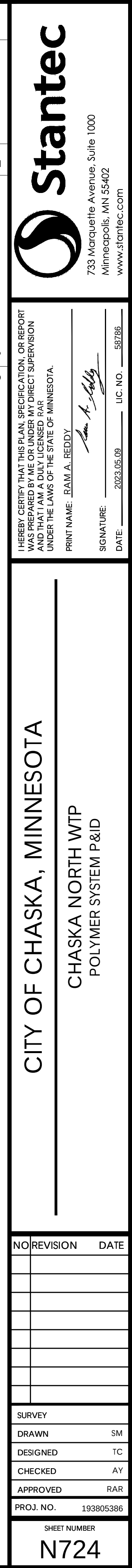
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CHASKA NORTH WTP  
SODIUM HYPOCHLORITE SYSTEM SHEET 2 OF 2 P&ID

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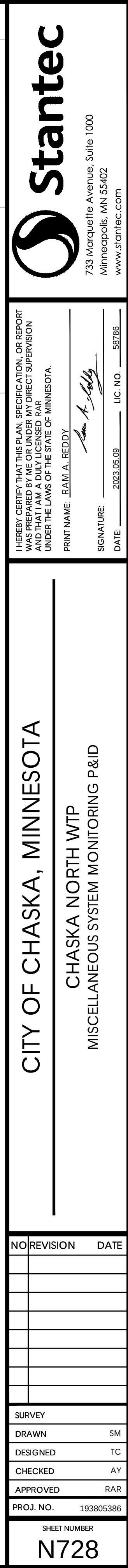


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User: jspencer, nrc, b44





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**REQUEST FOR ACTION  
CHASKA CITY COUNCIL  
05/15/2023**

**Subject: Structures, Inc. – Preliminary Site & Building Plan, Preliminary Plat and Zoning Ordinance Amendment**

Applicant: Jeremy Banken

Location: Old Audubon Road – South of Arbor Drive, North of Ravoux Circle

Case No.: 2023-13

Synopsis: The applicant is requesting approval of a Preliminary Site & Building Plan, Preliminary Plat and Zoning Ordinance Amendment to PID-9 to construct new office/warehouse buildings with exterior storage on the vacant lot south of Arbor Drive and North of Ravoux Circle

Prepared By: Elizabeth Hanson

Staff Recommendation: Motion to adopt Resolution & Ordinance approving the request

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**BACKGROUND**

In June 1997, the East Creek Carriage Homes and plat were approved by the City Council (Res. No. 97-61). The East Creek Carriage Homes are just southwest of the subject site on Ravoux Road. During these approvals the lot to the east and northeast was platted as an Outlot (outlot A), which was a tract for future replatting into single family detached residential lots south of the NSP highline, and industrial lots north of the highline. The single family detached residential lots have been developed south of the NSP highline (East Creek Acres 1<sup>st</sup> and 2<sup>nd</sup> Acres). Tonight we are looking at a plan to develop north of the NSP highline in Outlot A.

In December 2018, the Structures, Inc. original Concept Plan was approved. In April 2019, the Preliminary Site & Building Plan, Preliminary Plat, and Rezoning (PID-9) were approved. These approvals showed the proposal of one building with parking and an exterior storage yard. After those approvals the applicant did soil testing and concluded that there are parts of the site with very poor soils. Because of this, the layout of the site has been carefully looked at to avoid poor soil areas for the building.

The applicant came back with a revised preliminary plan in May 2020 for a building and layout that better avoided the poor soils on site. This plan also showed the proposal of one building with parking and an exterior storage yard but re-oriented on the site (this plan is shown on the next page). After those approvals it was still determined that the site/layout proposed would generate significant costs to fix the soils to accommodate the development. The applicant decided to walk away from the previous approvals done in 2019 and 2020 to re-analyze the layout for the site that would be financially feasible.

In July 2022, the applicant came forward with a new Concept Plan, which was subsequently approved by Planning Commission and City Council. The new plan showed the construction of 3 buildings on 3 lots. The 3 building/lot layout would help avoid atypical foundation systems needed for larger buildings on poor soils. 2 different concepts were proposed (Concept A & B); Concept A was considered the more favorable layout. In November of 2022, the preliminary site and building plan, preliminary plat and zoning ordinance amendment (ZOA) for the 3 building/lot plan was approved.

The applicant has revised their latest plan to eliminate the middle building/lot, and have a total of 2 buildings/lots. Because of this they are seeking approval of a new preliminary site and building plan, preliminary plat and zoning ordinance amendment (ZOA).

### **CHANGES SINCE 3-LOT PRELIMINARY PLAN:**

The following are changes that have occurred since the 3-lot preliminary approval:

- Layout; the applicant is proposing a layout that is similar to the 3-lot layout approved in November 2022. The middle lot of the plan has been removed, which then gives the outer lots additional space for exterior storage. The western lot has also been revised to show an access from the parking lot into the storage area. This change was required so that fire trucks can make full turning movements on that site.
- Vehicle Access; the applicant is showing parking lot access directly onto Old Audubon Road for the eastern lot. Previously the site plan showed this parking lot being accessed through the storage area of the site.

### **Goals**

The goals indicated by the applicant are to contribute to the economic vibrancy in the City, add new buildings that add to the architectural fabric of the area, provide an in-demand industrial need that will stimulate the local economy, provide an employment opportunity for Chaska residents, and provide a street presence in Chaska that will tie in to local existing structures.

### **Existing Conditions**

The subject property is located on a vacant outlot between Arbor Drive and Ravoux Circle that is approximately 5.25 acres in size. There exists a 125 foot wide easement on the south side of the property that is for the NSP highline. The site has and is used for agricultural purposes.

#### NSP Highline Easement

The project proposes to encroach into the easement area for parking, landscaping and fencing purposes. The applicant has been in direct contact with Xcel Energy about their plans to encroach. The response from Xcel Energy has been favorable and they have no initial objections to the uses within the easement area. Confirmation of such is provided as a supplement in the packet. The applicant will need to continue to work with Xcel Energy on their encroachments.

### **CURRENT REQUEST**

The request this evening is for Preliminary Site & Building Plan, Preliminary Plat, and Zoning Ordinance Amendment to PID-9 approval for the construction of two new office/warehouse buildings and exterior storage yards for industrial businesses. Structures Inc. is proposing to split



the property under consideration into two parcels. Structures will then construct the development in two phases, starting with Lot 1 that will be located closest to Ravoux Rd and working east towards Old Audubon Rd. The proposed buildings will be spec warehouses totaling approximately 7,400 SF each.

### **Adjacent properties**

The site is bounded on the south by residential; the north by industrial; the west by Ravoux Road; and the east by Old Audubon Road.

### **Use**

The use of this site for office/industrial is consistent with the Comprehensive Plan's guidance for this parcel to be industrial. It is also consistent with the current zoning in place Planned Industrial District (PID-9). PID-9 district standards allow for exterior storage as long as it meets the City's exterior storage requirements (i.e. screening).

A Zoning Ordinance Amendment (ZOA) to PID-9 needs to be done to reflect the 2-lot layout. The current PID-9 regulations reflect the previous 3-lot layout.

### **Layout**

The layout is showing main access into the site off of Old Audubon Road from a shared driveway on Arbor Drive. The shared driveway provides shared accesses to all three lots/buildings. An additional access is shown directly off of Old Audubon Road, which would provide ingress/egress to the employee parking lot for the east building. The buildings are situated more on the north side of the site. Exterior storage on the lots are proposed within fenced in areas. The two buildings will be approximately 7,400 square feet. A privacy fence will delineate the south edge of the site to separate/buffer the industrial from the residential.

### **Building Location/Design**

The proposed buildings will be spec buildings totaling approximately 7,400 SF. These buildings will roughly comprise of 15% office space with 85% shop space. The shop space will most likely be used for maintaining equipment like Bobcats, trailers and trucks. Also, the back lots will be used for outdoor storage based on the ultimate use of the building(s).

The buildings will be attractive, yet simple, one-story structures totaling 22 feet in height. The front entrances will top off at 25 feet in height. Building materials will be consistent throughout the three buildings to provide a cohesive industrial development. The roofs will be covered with an EPDM membrane and slope gradually to the south at 1/4" per foot. Clerestory windows will be placed on most sides to allow natural daylight to enter that space as well. The exterior materials will be glass, modular brick precast panels, architectural texture precast panels, and architectural metal panel. The modular brick precast panels were also used on the Formacoat building and classified as Class I material.

In addition to the buildings, the site is showing exterior storage yards on the lots. These exterior areas are proposed to be secured off with chain link fencing.

The proposed design of the buildings are generally rectangular in footprint and one-story in height; at its tallest point it will be 25 feet where the front entrances are.

*"Industrial and warehouse buildings shall use at least two (2) different Class I materials and shall be composed of at least thirty (30) percent Class I material, and at least one (1) Class II materials and be composed of at least thirty (30) percent Class II materials; and not more than forty (40) percent of Class III materials"*

| <b>Building Materials</b> |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Class I                   | Glass, Modular Brick (34.2%)                                                       |
| Class II                  | Architectural Precast Panels (56.4%)                                               |
| Class III                 | Manufactured Stone, Metal Panels (9.4%)                                            |
| <b>CLASS I REQUIRED</b>   | 30%; two different materials                                                       |
| <b>CLASS II REQUIRED</b>  | 30%; one material                                                                  |
| <b>PROVIDED</b>           | Class I: 34.2%; two different materials<br>Class II: 56.4%; one different material |

The fronts of the buildings on Ravoux Road and Old Audubon Road will be oriented to the street side. The shop space/loading dock will be oriented toward the rear and center of the site and thus will not be as cumbersome at the street level.

The exterior storage areas are proposed to be surrounded by fencing and integrated into the loading areas of each lot. Privacy fencing is shown near the south property line and south portions of the project edge to help screen from adjacent residential. The exterior storage areas are specifically delineated within the site and fenced off from all areas so that it's clear where the exterior storage areas are. Staff would advise that additional screening in the form of opaque fencing and landscaping be achieved around the edges of these exterior storage areas. These items will need to be addressed during final.

### **Parking/Access/Circulation**

The site is proposing to incorporate 47 parking spaces (19 constructed; 28 proof of parking). The following charts summarize the overall parking demand on the site, based on the approximated sizes of the proposed uses:

| <b>Uses</b>      | <b>Approx. Size</b> | <b>Code Req.</b>                                    | <b>Est. Parking Req.</b>              |
|------------------|---------------------|-----------------------------------------------------|---------------------------------------|
| Lot 1 (west lot) | 7,400 sf            | 1ps/250sf Office (15%)<br>1ps/350sf Warehouse (85%) | 4 parking spaces<br>18 parking spaces |
| Lot 2 (east lot) | 7,400 sf            | 1ps/250sf Office (15%)<br>1ps/350sf Warehouse (85%) | 4 parking spaces<br>18 parking spaces |
| <b>REQUIRED</b>  |                     |                                                     | <b>44 parking spaces</b>              |
| <b>PROVIDED</b>  |                     |                                                     | <b>47 parking spaces</b>              |

According to the table above the applicant is sufficient in meeting parking for the site. Each lot will have the required number of parking for the proposed uses.

The project is proposing to have their main vehicle entrance into the site off of Old Audubon Road from the existing shared driveway on Arbor Drive. This shared driveway will be provided onto the Structures' property to access the two lots. There is shared access achieved on the north, side of the site that both lots can use. The applicant will have to create a cross access easement for the site so that the lots can have full movement across the sites and out to Old Audubon Road. An access easement area is shown on the plat that encumbers the northeast area of Lot 1 and northwest area of Lot 2.

The shared driveway on Arbor Drive will also continue to act as the access for the industrial properties to the north. A shared agreement exists between the current property owners today. This agreement will need to be amended to include the Structures site.

#### Parking Lot Access on Old Audubon Road

The applicant is showing a parking lot access onto Old Audubon Road for the eastern lot (Lot 2). The applicant believes the additional access onto Old Audubon Road creates less pavement for the site, would provide more screening area between the building and road, allows separation of office and truck traffic, allows more exterior storage area, allows the building to be as far north from the residential to the south as possible, and creates a more efficient layout for the property that is otherwise burdened by poor soils.

Staff does not have major concerns with the additional on Old Audubon Road. Safety or sight lines do not appear to be an issue. The parking lot access will only serve a total of 11 cars so usage of this access will be low.

#### **Setbacks**

The required setbacks for the site are as follows:

| <b>BUILDING SETBACKS</b>                    |                |
|---------------------------------------------|----------------|
| <b>Direction</b>                            | <b>Setback</b> |
| From Property Lines<br>Abutting Residential | 100 feet       |
| East and West Property<br>Lines             | 30 feet        |
| Interior Property Lines                     | 15 feet        |

| <b>PARKING SETBACKS</b>                     |                  |
|---------------------------------------------|------------------|
| <b>Direction</b>                            | <b>Setback</b>   |
| East & West Property<br>Lines               | 10 feet from ROW |
| Interior Property Lines                     | 5 feet           |
| From Property Lines<br>Abutting Residential | 10 feet          |

The exterior storage areas must also comply with the aforementioned building setbacks. The site plan is showing compliance with these.



## Landscaping, Screening & Fencing

The table below indicates the landscaping requirements for this site:

| LANDSCAPING REQUIREMENTS & PROPOSED |                              |                                |
|-------------------------------------|------------------------------|--------------------------------|
|                                     | Required                     | Proposed                       |
| Overstory Trees                     | 46 caliper inches (17 trees) | 47.5 caliper inches (19 trees) |
| Understory Trees                    | 6                            | 4                              |
| Shrubs                              | 70                           | 152                            |

The proposed plan does not meet the understory tree requirement. The applicant will have to address this deficiency in the final submittal.

Landscaping and berming will be incorporated on the exterior perimeter of the privacy fence on the south side of the site. Berming is shown on the west side and southwest side of the site.

A 6-foot privacy fence is proposed along the south side of the site to screen from the adjacent residential properties. The privacy fence proposed will be a cedar fence with posts. In addition, landscaping is shown along the entire stretch of the south privacy fence to help soften this edge.

In addition to the 6-foot privacy fence, the applicant is proposing a 6-foot black chain link fence to delineate the loading and exterior storage areas of each lot. Although most of this fence will be unseen from the residential side, there are a few areas where it will be visible from public right-of-way. The portions that are visible should be a more decorative style fencing that can achieve at least 90% opacity whether that's through its own design or year-round screening. This will need to be addressed at final submittal. These areas are denoted in red on Exhibit A below.

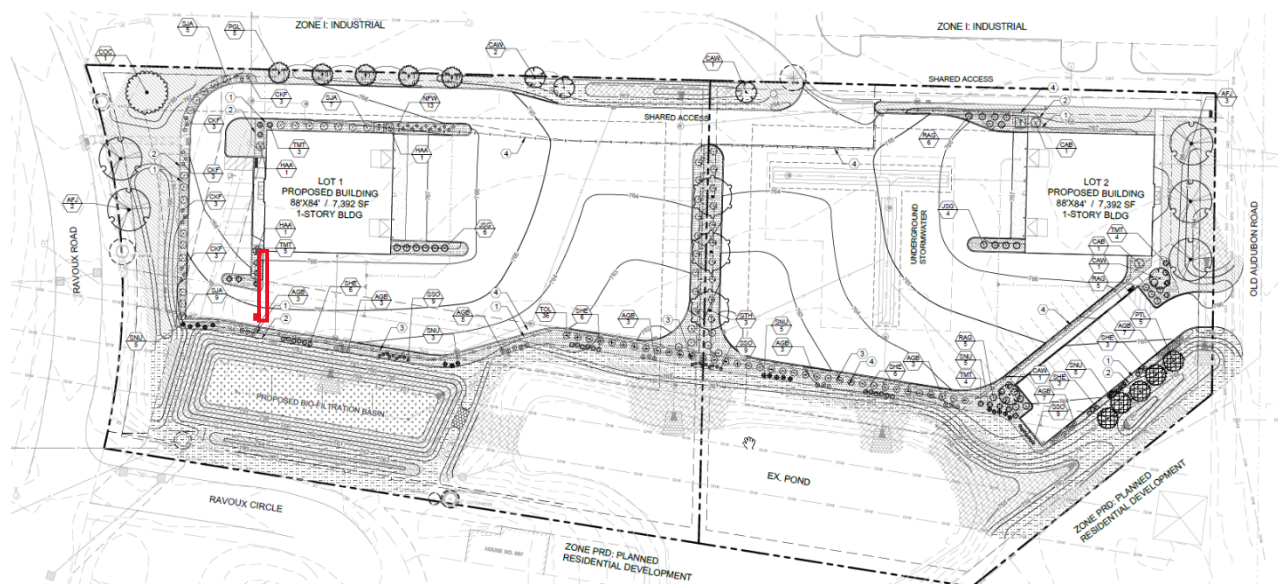


Exhibit A

### **Sidewalks and Pedestrian Connections**

The site's perimeters do not show public sidewalks today. A sidewalk exists on the west side of Ravoux Road but the east and both sides of Old Audubon Road do not. It is possible that in the future the City will install sidewalks on the sides of streets where they are lacking. The applicant has provided pedestrian connections from each lot to connect out to the adjacent street. The western lots sidewalk would be advised to be constructed when a sidewalk goes in on the east side of Ravoux Road.

### **Lighting**

Lighting is shown in the form of wall packs and pole lighting. Wall packs are shown at 20 feet in height and pole lights are shown at 23 feet in height. All lighting must meet the City's zoning ordinance section 15.28.250. The wall packs shall be installed no higher than 18 feet.

### **Signage**

Signs will have to meet the required sign regulations for this development and be reviewed and approved through a separate permit process with the City. Signs will have to go through a separate sign permitting process.

### **Utilities**

Water and sewer are available to serve this site. Details on the connections to the public utilities will need to be coordinated with the City Engineer.

### **Stormwater**

Stormwater for the new facilities will be handled on-site and independently from the existing regional stormwater pond. An underground stormwater retention system will be utilized and placed under proposed pavement in Lot 2 to maximize the usable area. Stormwater from Lot 1 will be treated via filtration system south of the building. Storm water from the north properties will be captured via storm sewer and will be directed to the existing pond, bypassing the new storm system entirely. Overall site drainage will continue to flow from north to south, where it will then be treated prior to being discharged into downstream facilities.

The applicant will continue to work with the City and the Watershed district to ensure their Stormwater Plan meets all City and County WMO standards. An existing pond is present on the southeast portion of the property. As stated above it will not be used for the new lots. The existing pond should be placed in its own drainage and utility easement, to be maintained by the City.

### **Wetlands**

The National Wetland Inventory classifies the existing pond as a wetland. There is a smaller wetland on site where the existing grove of trees are. This wetland was determined to be "incidental" and does not require replacement or mitigation measures.

### **Platting**

Platting will be pursued for this project. The layout shows two separate lots. A drainage and utility easement is shown to encompass the existing south stormwater pond that is currently maintained by the City.

## **Zoning Ordinance Amendment (ZOA)**

The project is pursuing a Zoning Ordinance Amendment to the Planned Industrial District No. 9 (PID-9). The amendment would entail the following:

- Amend Section I to include the new legal descriptions of the 2-lot plat
- Amend Section I to include the graphic exhibits of the new 2 building plan
- Amend the Permitted Uses section to include the 2 lots

## **Neighborhood Meeting**

The applicant conducted a neighborhood meeting on June 27, 2022 to introduce the concept plan to adjacent neighbors. One neighbor showed up to the meeting. The developer did not note any significant concerns.

## **Deadline for Agency Action**

The City of Chaska received the complete application for this request on October 24, 2022. Pursuant to Minnesota State Statutes the City must act on this request by **Tuesday, June 27, 2023 (60 days)**, unless the City provides the petitioner with written reasons for an additional 60-day review period. The additional review period would extend to Saturday, August 26, 2023. The City may with the petitioner's consent extend the review period beyond the Saturday, August 26, 2023 date. Lastly, if the City denies the petitioners request "... it must state in writing the reasons for the denial at the time it denies the request."

## **PLANNING COMMISSION ACTION TAKEN 05/10/2023:**

Motion to recommend approval of the Preliminary Site & Building Plan and Preliminary Plat for Structures, Inc., subject to the following conditions:

1. Approvals shall be based on the following graphic exhibits:
  - a. Narrative – Site Plan (pgs 1-3), submitted by Structures, undated
  - b. Cover Sheet (pg C1), submitted by Anderson, dated April 27, 2023
  - c. Preliminary Plat (pg C2), submitted by Anderson, dated April 27, 2023
  - d. Easement Dedication Plan (pg C2.1), submitted by Anderson, dated April 27, 2023
  - e. Existing Conditions Survey (pg C3), submitted by Anderson, dated April 27, 2023
  - f. Demolition Plan (pg C4), submitted by Anderson, dated April 27, 2023
  - g. Grading & Drainage Plan (pg C5), submitted by Anderson, dated April 27, 2023
  - h. Utility Plan (pg C6), submitted by Anderson, dated April 27, 2023
  - i. Erosion & Sediment Control Plan (pg C7), submitted by Anderson, dated April 27, 2023
  - j. Phase 1 and Phase 2 Construction Plan (pgs C8-C9), submitted by Anderson, dated April 27, 2023
  - k. SWPPP (pgs C10-C11), submitted by Anderson, dated April 27, 2023
  - l. Civil Site Details (pgs C12-14), submitted by Anderson, dated April 27, 2023
  - m. Existing Sanitary & Watermain Profiles (pg C15), submitted by Anderson, dated April 27, 2023
  - n. Grading Enlargement Details (pg C16), submitted by Anderson, dated April 27, 2023
  - o. Tree Preservation Plan (pg L1), submitted by Anderson, dated April 27, 2023
  - p. Planting Plan (pg L2), submitted by Anderson, dated April 27, 2023
  - q. Planting Notes & Details (pg L3), submitted by Anderson, dated April 27, 2023
  - r. Photometric Plan, submitted by jth Lighting Alliance, dated April 20, 2023
  - s. Truck Turning Movement Exhibit (pgs E1-E2), submitted by Anderson, dated March 15, 2023
  - t. Fire Truck Turning Movement Exhibit (pgs E5-E6), submitted by Anderson, dated April 24, 2023
  - u. Snow Storage Exhibit (pg E3), submitted by Anderson, dated March 15, 2023
  - v. Structures Rendering (pg A1), submitted by HTG Architects, dated October 19, 2022
  - w. Main Level Floor Plan Building A (pg A2.1), submitted by HTG Architects, dated April 4, 2023
  - x. Main Level Floor Plan Building B (pg A2.2), submitted by HTG Architects, dated October 19, 2022



- y. Main Level Floor Plan Building C (pg A2.3), submitted by HTG Architects, dated April 4, 2023
  - z. Exterior Elevations Building A (pg A3.1), submitted by HTG Architects, dated April 4, 2023
  - aa. Exterior Elevations Building B (pg A3.2), submitted by HTG Architects, dated April 4, 2023
  - bb. Exterior Elevations Building C (pg A3.3), submitted by HTG Architects, dated April 4, 2023
2. Adherence with the City Engineers Memo dated May 9, 2023.
  3. Provision that vehicle access on Ravoux Road is prohibited.
  4. Compliance with section 15.28.120 Building Design/Materials and Site Design for both buildings.
  5. Provision that exterior storage will not exceed 8 feet in height or the height of the privacy fence, whichever is less.
  6. Provision that all mechanical equipment will be fully screened from view.
  7. Provision of a Drainage & Utility easement over the southern pond, and to be shown on the plat.
  8. Coordination with the City Engineer for the provision of public utilities to the site.
  9. Provision of a storm water management plan meeting City and Carver County WMO standards.
  10. Compliance with applicable zoning requirements, in particular zoning section 15.28 (Special Regulations).
  11. Any and all building signage shall be submitted separately, comply with zoning ordinance Section 15.32, and shall require approval by staff prior to installation.
  - ~~12. Provision that all vehicle access come from Arbor Drive, and to be addressed on the plans at final submittal.~~
  13. Provision to meet the understory tree requirements and to be addressed at final submittal.
  14. Provision to incorporate decorative fencing with at least 90% opacity as directed in Exhibit A in this report and to be addressed at final submittal.
  15. Provision that open storage areas shall comply with building setback requirements and shall not be located forward of the principal buildings as constructed.
  16. Provision of a final maintenance agreement for Arbor Drive signed by all applicable parties, to be submitted at final submittal.
  17. Provision of cross access easements across all lots and to be executed prior to final plat recording.
  18. Provision of a maintenance agreement for the shared accesses, stormwater features, and utilities, and to be provided at final submittal.

Motion to recommend approval of the Zoning Ordinance Amendment (ZOA) to PID-9.

**CITY COUNCIL ACTION REQUESTED**

**Motion to adopt Resolution No. 2023-50 approving the Preliminary Site & Building Plan and Preliminary Plat for Structures, Inc. (PC #2023-13).**

**Motion to adopt Ordinance No. 1034 approving the Zoning Ordinance Amendment (ZOA) to PID-9.**



## **City of Chaska Memorandum**

**To:** Planning Commission  
**From:** Alex Mollenkamp, Assistant City Engineer  
**Date:** May 9, 2023  
**Subject:** Structures Inc Preliminary Plat

The site utility plans propose connections to the sanitary sewer and water mains that exist within or adjacent to the property and are readily available to be connected. The final construction plans will need to be coordinated with the City utility departments.

An existing City stormwater pond on the south portion of the site provides stormwater management for the existing land use only. The proposed development includes a private stormwater system to manage runoff from the proposed development. An easement for the existing pond and public drainage infrastructure shall be included with the plat. The site meets all wetland agency requirements. Site grading requires a stormwater plan that meets all the City and watershed agency requirements.

The addition of an access to parking off of Old Audubon Road is a change from previous plans. The second access would not require improvements to Old Audubon Road and would need to be coordinated as a right of way permit.

## RESOLUTION

**MOTION BY COUNCILMEMBER\_\_\_\_\_SECOND BY COUNCILMEMBER\_\_\_\_\_**



WHEREAS, the exterior materials will be glass, modular brick precast panels, architectural texture precast panels, and architectural metal panel; and

WHEREAS, the modular brick precast panels were also used on the Formacoat building and classified as Class I material; and

WHEREAS, the exterior storage areas are proposed to be surrounded by fencing and integrated into the loading areas of the outer lots; and

WHEREAS, privacy fencing is shown near the south portions of the project edge to help screen from adjacent residential; and

WHEREAS, the exterior storage areas are specifically delineated within the site and fenced off from all areas so that it's clear where the exterior storage areas are; and

WHEREAS, staff would advise that additional screening in the form of opaque fencing and landscaping be achieved around the edges of these exterior storage areas, and these items will need to be addressed during final; and

WHEREAS, the site is proposing to incorporate 47 parking spaces, and both lots will have the required number of parking for the proposed uses; and

WHEREAS, the applicant will have to create a cross access easement for the site so that the lots can have full movement across the sites and out to Old Audubon Road; and

WHEREAS, the shared driveway on Arbor Drive will also continue to act as the access for the industrial properties to the north, and a shared agreement exists between the current property owners today; and

WHEREAS, this agreement will need to be amended to include the Structures site; and

WHEREAS, the exterior storage areas must also comply with the required building setbacks for the site and zoning district; and

WHEREAS, the proposed plan does not meet the understory tree requirement, and the applicant will have to address this deficiency in the final submittal; and

WHEREAS, landscaping and berming will be incorporated on the exterior perimeter of the privacy fence on the south side of the site, as well as the west side; and

WHEREAS, in addition, the south side of the east parking lot shall also incorporate coniferous plantings that are shown along the south edge of the site to help buffer from the residential to the south; and

WHEREAS, in addition to the 6-foot privacy fence, the applicant is proposing a 6-foot black chain link fence to delineate the loading and exterior storage areas of Lots 1 and 2; and

WHEREAS, although most of this fence will be unseen from the residential side, there are a few areas where it will be visible from public right-of-way; and

WHEREAS, the portions that are visible should be a more decorative style fencing that can achieve at least 90% opacity whether that's through its own design or year-round screening; and

WHEREAS, this will need to be addressed at final submittal, and these areas are denoted in red on Exhibit A in the staff report; and

WHEREAS, the site's perimeters do not show public sidewalks today; and

WHEREAS, a sidewalk exists on the west side of Ravoux Road but the east and both sides of Old Audubon Road do not; and

WHEREAS, it is possible that in the future the City will install sidewalks on the sides of streets where they are lacking; and

WHEREAS, the applicant has provided pedestrian connections from Lot 1 and Lot 2 to connect out to the adjacent street; and

WHEREAS, the western lots sidewalk would be advised to be constructed when a sidewalk goes in on the east side of Ravoux Road; and

WHEREAS, stormwater for the new facilities will be handled on-site and independently from the existing regional stormwater pond; and

WHEREAS, an underground stormwater retention system will be utilized and placed under proposed pavement on Lot 2 to maximize the usable area; and

WHEREAS, platting will be pursued for this project; and

WHEREAS, the layout shows two separate lots; and

WHEREAS, a drainage and utility easement is shown to encompass the existing south stormwater pond that is currently maintained by the City; and

WHEREAS, on May 10, 2023 the Planning Commission recommended approval to the City Council of the Preliminary Site & Building Plan and Preliminary Plat for Structures, Inc. (PC#2023-13); and

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Chaska, Minnesota, hereby approves the Preliminary Site & Building Plan and Preliminary Plat for Structures, Inc. (PC#2023-13), subject to the aforementioned stipulations and following conditions:

1. Approvals shall be based on the following graphic exhibits:
  - a. Narrative – Site Plan (pgs 1-3), submitted by Structures, undated
  - b. Cover Sheet (pg C1), submitted by Anderson, dated April 27, 2023
  - c. Preliminary Plat (pg C2), submitted by Anderson, dated April 27, 2023
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  - k. SWPPP (pgs C10-C11), submitted by Anderson, dated April 27, 2023
  - l. Civil Site Details (pgs C12-14), submitted by Anderson, dated April 27, 2023
  - m. Existing Sanitary & Watermain Profiles (pg C15), submitted by Anderson, dated April 27, 2023
  - n. Grading Enlargement Details (pg C16), submitted by Anderson, dated April 27, 2023
  - o. Tree Preservation Plan (pg L1), submitted by Anderson, dated April 27, 2023
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  - x. Main Level Floor Plan Building B (pg A2.2), submitted by HTG Architects, dated October 19, 2022
  - y. Main Level Floor Plan Building C (pg A2.3), submitted by HTG Architects, dated April 4, 2023
  - z. Exterior Elevations Building A (pg A3.1), submitted by HTG Architects, dated April 4, 2023
  - aa. Exterior Elevations Building B (pg A3.2), submitted by HTG Architects, dated April 4, 2023
  - bb. Exterior Elevations Building C (pg A3.3), submitted by HTG Architects, dated April 4, 2023
2. Adherence with the City Engineers Memo dated May 9, 2023.
  3. Provision that vehicle access on Ravoux Road is prohibited.
  4. Compliance with section 15.28.120 Building Design/Materials and Site Design for both buildings.
  5. Provision that exterior storage will not exceed 8 feet in height or the height of the privacy fence, whichever is less.
  6. Provision that all mechanical equipment will be fully screened from view.
  7. Provision of a Drainage & Utility easement over the southern pond, and to be shown on the plat.
  8. Coordination with the City Engineer for the provision of public utilities to the site.
  9. Provision of a storm water management plan meeting City and Carver County WMO standards.
  10. Compliance with applicable zoning requirements, in particular zoning section 15.28 (Special Regulations).
  11. Any and all building signage shall be submitted separately, comply with zoning ordinance Section 15.32, and shall require approval by staff prior to installation.
  12. Provision to meet the understory tree requirements and to be addressed at final submittal.
  13. Provision to incorporate decorative fencing with at least 90% opacity as directed in Exhibit A in this report and to be addressed at final submittal.
  14. Provision that open storage areas shall comply with building setback requirements and shall not be located forward of the principal buildings as constructed.
  15. Provision of a final maintenance agreement for Arbor Drive signed by all applicable parties, to be submitted at final submittal.
  16. Provision of cross access easements across all lots and to be executed prior to final plat recording.
  17. Provision of a maintenance agreement for the shared accesses, stormwater features, and utilities, and to be provided at final submittal.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 15<sup>th</sup> day of May, 2023.

---

Mark Windschitl, Mayor

Attest: \_\_\_\_\_  
Chaska Deputy Clerk



**CITY OF CHASKA**

**ORDINANCE NO.1034**

**MOTION BY COUNCILMEMBER \_\_\_\_\_, SECOND BY COUNCILMEMBER \_\_\_\_\_**

**AN ORDINANCE AMENDING ORDINANCE NO. 1024 (ZONING ORDINANCE)  
BY REZONING CERTAIN REAL ESTATE WITHIN THE CITY OF CHASKA**

**THE CITY COUNCIL OF THE CITY OF CHASKA DO ORDAIN:**

Section I.      Rezoning. The boundaries of the Zoning District as established by Ordinance No. 1024 and as shown on the Zoning Map of Chaska, Minnesota are hereby amended as follows:

The following described real estate is rezoned to Planned Industrial District No. 9 (PID-9) for all of Lots 1-2, Block 1 of the Structures, Inc., Carver County, Minnesota.

The following graphic exhibits shall serve as the general guide for development of the Structures, Inc. area:

- a. Preliminary Plat (pg C2), submitted by Anderson, dated April 27, 2023
- b. Easement Dedication Plan (pg C2.1), submitted by Anderson, dated April 27, 2023
- c. Existing Conditions Survey (pg C3), submitted by Anderson, dated April 27, 2023
- d. Demolition Plan (pg C4), submitted by Anderson, dated April 27, 2023
- e. Grading & Drainage Plan (pg C5), submitted by Anderson, dated April 27, 2023
- f. Utility Plan (pg C6), submitted by Anderson, dated April 27, 2023
- g. Erosion & Sediment Control Plan (pg C7), submitted by Anderson, dated April 27, 2023
- h. Phase 1 and Phase 2 Construction Plan (pgs C8-C9), submitted by Anderson, dated April 27, 2023
- i. SWPPP (pgs C10-C11), submitted by Anderson, dated April 27, 2023
- j. Civil Site Details (pgs C12-14), submitted by Anderson, dated April 27, 2023
- k. Existing Sanitary & Watermain Profiles (pg C15), submitted by Anderson, dated April 27, 2023
- l. Grading Enlargement Details (pg C16), submitted by Anderson, dated April 27, 2023
- m. Tree Preservation Plan (pg L1), submitted by Anderson, dated April 27, 2023
- n. Planting Plan (pg L2), submitted by Anderson, dated April 27, 2023
- o. Planting Notes & Details (pg L3), submitted by Anderson, dated April 27, 2023

- p. Photometric Plan, submitted by jth Lighting Alliance, dated April 20, 2023
- q. Truck Turning Movement Exhibit (pgs E1-E2), submitted by Anderson, dated March 15, 2023
- r. Fire Truck Turning Movement Exhibit (pgs E5-E6), submitted by Anderson, dated April 24, 2023
- s. Snow Storage Exhibit (pg E3), submitted by Anderson, dated March 15, 2023
- t. Structures Rendering (pg A1), submitted by HTG Architects, dated October 19, 2022
- u. Main Level Floor Plan Building A (pg A2.1), submitted by HTG Architects, dated April 4, 2023
- v. Main Level Floor Plan Building B (pg A2.2), submitted by HTG Architects, dated October 19, 2022
- w. Main Level Floor Plan Building C (pg A2.3), submitted by HTG Architects, dated April 4, 2023
- x. Exterior Elevations Building A (pg A3.1), submitted by HTG Architects, dated April 4, 2023
- y. Exterior Elevations Building B (pg A3.2), submitted by HTG Architects, dated April 4, 2023
- z. Exterior Elevations Building C (pg A3.3), submitted by HTG Architects, dated April 4, 2023

Section II. **PID-9 District regulations.** Permitted uses and regulations applicable to the PID-9 District is hereby amended to read as follows:

**A. Intent**

The intent of PID-9 is to create an area for offices and “Clean and Quiet” industrial and related uses that can be developed and operated in a high quality physical environment, one which will be complementary to and compatible with the residential area to the south.

It is intended that development within PID-9 be characterized by relatively high employment levels, high quality jobs, and higher building to land ratios, all which support the objectives of increasing employment opportunities with the City and near downtown for the purpose of strengthening the City’s non-residential tax base.

**B. Permitted Uses**

Permitted uses shall be the following:

**1. Lots 1-2, Block 1, Structures, Inc.:**

- a) Office and administrative facilities
- b) Light manufacturing, fabrication, compounding, processing, packaging, treatment, assembly and indoor storage of goods, products and materials
- c) Scientific research, investigation, testing or experimentation
- d) Uses similar in nature to those listed above and which, in the opinion of the City Council will not be

detrimental to the integrity and intent of the PID-9 District

**C. Accessory Uses**

Customary accessory uses incidental to the foregoing principal use, including but not limited to the following:

1. Off street parking and loading facilities as regulated by Sections 15.28.030 and 15.28.040 of the zoning ordinance.
2. Signs as regulated by Section 15.32 of the Zoning Ordinance
3. Open storage as regulated by Section 15.12.150.E. of the Zoning Ordinance

**D. Building Setbacks**

Minimum building and open storage setbacks shall be as follows:

1. From Property Lines Abutting Residential: 100 feet
2. East and West Property Lines: 30 feet
3. Interior Property Lines: 15 feet

Minimum parking setbacks shall be as follows:

1. From Property Lines Abutting Residential: 10 feet
2. From Right-of-Way (ROW): 10 feet
3. Interior Property Lines: 5 feet

**E. Development Standards:**

Development standards applicable to the I-Industrial District (Chaska Zoning Ordinance) relative to screening, loading docks, building and parking/driving area setbacks, open storage and landscaping shall apply to the PID-9 District. Development standards shall also include the following:

1. Vehicle access on Ravoux Road shall be prohibited

Section III. Effective Date. This Ordinance shall be in full force and effect from and after its date of passage, adoption, and publication according to law.

Passed and adopted by the City Council of the City of Chaska, Minnesota this 15<sup>th</sup> day of May, 2023.

---

Mark Windschitl, Mayor

Attest: \_\_\_\_\_  
Deputy Clerk



**CITY OF CHASKA**

**ORDINANCE NO. xxxx**

**MOTION BY COUNCILMEMBER \_\_\_\_\_, SECOND BY COUNCILMEMBER \_\_\_\_\_**

**AN ORDINANCE AMENDING ORDINANCE NO. 1024 (ZONING ORDINANCE)  
BY REZONING CERTAIN REAL ESTATE WITHIN THE CITY OF CHASKA**

**THE CITY COUNCIL OF THE CITY OF CHASKA DO ORDAIN:**

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Section III. Effective Date. This Ordinance shall be in full force and effect from and after its date of passage, adoption, and publication according to law.

Passed and adopted by the City Council of the City of Chaska, Minnesota this 15<sup>th</sup> day of May, 2023.

---

Mark Windschitl, Mayor



Attest: \_\_\_\_\_  
Deputy Clerk

### Narrative – Site Plan

Structures Inc. is a nationally reputable company engaged in providing exceptional site solutions using earth retention and pavement systems for some of the largest and most complex projects in the United States. Structures Inc. is proud to call Chaska its home and is looking to develop land to provide opportunities for other companies to do the same.

Structures Inc. is proposing to split the property under consideration into two parcels. Structures will then construct the development in two phases, starting with Lot 1 that will be located closest to Ravoux Rd and working east towards Old Audubon Rd. The proposed buildings will be spec warehouses with 7,392 SF. These buildings will roughly comprise of 15% office space with 85% shop space. The shop space will most likely be used for maintaining equipment like Bobcats, trailer and trucks. Also, the back lots will be used for outdoor storage based off the ultimate use of the building(s).

The buildings will be an attractive, yet simple one-story structures characterized by two primary masses. The typical building height is 22 feet with an entry feature that will be 25 feet. Building material will be consistent throughout the three buildings to provide a cohesive commercial development. The roofs will be covered with an EPDM membrane and slope gradually to the south at  $\frac{1}{4}$ " per foot. Windows will be placed around the buildings to allow natural daylight to enter that space and reduce demands on electric lighting. The exterior materials will be textured precast concrete panels, glass, and metal Aluminum windows are placed to let daylight in the open office spaces.

Screening of the back lots will consist of vegetation, berming, trees and a pre-finished privacy fence to hide and secure the back-lot spaces. These screening techniques will assist in minimizing light pollution from the site and exterior buildings. Trash and recycling dumpsters, and transformers will be located within enclosures that will be made of materials that match the buildings.

Important features that will be designed in relation to the exterior finishes are:

1. To have a street presents that will tie into the local existing structures with a very timeless and updated design to bring an uplift to Old Audubon Road.
2. It is very important to obtain properly divided outside storage that can be secured and somewhat hidden from the rest of the neighborhood with design of structure and landscape.
3. Office and employee parking for this new concept with access from Old Audubon Road and will be fluent with the neighbors that currently exist.
4. The landscape will tie into the heavily wooded area and buffer to feel more residential than commercial.
5. The exterior finishes will be very progressive with Stone, Efis, metal color clad siding with a contemporary application.

### Rezoning Request

The property under consideration is currently zoned PRD – Planned Residential Development, but Structures Inc. is asking that the property be rezoned to PID – Planned Industrial Development so that it may build facilities on the site that would be comprised of both office and shop space. The property to the south of the lot is zoned PRD, but properties to the north and east are zoned I (Industrial) and PID, so the rezoning is consistent with current zoning districts in the area. The development will transform a currently vacant lot into a useful and economically relevant piece of property.

### Site Features

Currently the parcel is a vacant lot that historically, has been used for agricultural purposes. There is a 125' power line easement that runs the entirety of the south property line. Within this easement lies a regional stormwater pond that serves both the properties to the north and a portion of the residential area to the south. Utility services for the new buildings will connect directly to the city water and sewer lines that run east/west and north/south respectively through the site. Layout of the new buildings and pavement areas have been arranged to avoid these numerous site constraints.

Stormwater for the new facilities will be handled on-site and independently from the existing regional stormwater pond. Stormwater from Lot 1 will be treated via Bio-filtration system west of the existing pond. A large portion of the proposed drainage area contributing to the Bio-filtration basin will be crushed concrete and for this reason, a sump manhole with SAFL Baffle installed will be placed directly upstream from the Bio-filtration basin that will limit debris and floatable from entering the system.

An underground stormwater retention system will be utilized and placed under proposed pavement within Lot 2, to maximize the usable area. Similar to Lot 1, the contributing drainage area will primarily be crushed concrete. At each of the three manholes directly upstream from the system, limiting debris and floatable from entering the system.

Storm water from the north properties will be captured via storm sewer and will be directed to the existing pond, bypassing the new storm system entirely. Overall site drainage will continue to flow from north to south, where it will then be treated prior to being discharged into downstream facilities. A Stormwater Management report has been completed and is included with the submittal package.

Site soils typically found are classified as hydraulic soil Type D and range from peat to poorly graded sand. A copy of the geotechnical report completed by Braun Intertec is included in the submittal package.

The National Wetland Inventory classifies the existing pond as a wetland. Anderson Engineering performed a field inspection and determined the property does not contain any jurisdictional wetlands.



### Sustainable Initiatives

The two proposed buildings will be covered in EPDM membrane roofing that provides cooling and energy saving benefits. To integrate day lighting inside the building and open office spaces, windows will be placed around the exterior, also reducing the demand for interior electric lighting. A majority of the proposed pavement on site will be made from recycled concrete aggregate, thus reducing the need for new aggregate material and lessening environmental impacts.

### Dust Control

Traffic within the storage area is to be on a semi-regular basis where dust kick-up from the crushed concrete is not anticipated to be an issue. In the event of increased traffic and/or during unusually dry seasons, dust will be controlled via spigot and hose from the proposed buildings.

### New Access onto Old Audubon

The site is proposing a new access onto Old Audubon Rd from Lot 2 or the site. The new access will be located 260' north of Prairie St and 150' south of Arbor Drive. It is estimated that the new access will generate approximately 52 new trips per day during the work week. The new access will benefit the site by allowing increased landscape screening against the residential development to the south and will separate normal employee traffic with trucking and delivery traffic. The new access also matches the demographic layout of the industrial area to the north with spacing and access onto Old Audubon Rd.

### Access / Utility Agreement

An access agreement will be necessary for Lot 1 to access the site through Lot 2 and will be located along the north property line and extended over the new north drive. The new access agreement will be in addition to the existing agreement in place on Arbor Drive. A utility maintenance agreement will also be needed for the portion of storm sewer that conveys runoff for the properties to the north to the southern pond.

Maintenance for other utilities (BMP's storm, sanitary, water etc.) and snow removal shall be the sole responsibility of the individual lot owner.

### Conclusion

By locating the new warehouse buildings in Chaska, Structures Inc. will contribute to the economic vibrancy of the city, and the new buildings will add to the architectural fabric. Structures will be providing an in-demand commercial need that will stimulate the local economy. We feel this location brings many features to the city block, as well as a more fluent operation for businesses and will be a potential employment opportunity for Chaska Resident.



**ANDERSON**

13605 1st Avenue N. #100  
 Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
 P 763.412.4000 | F 763.412.4090  
 Anderson Engineering of Minnesota, LLC

CHASKA, MINNESOTA

STRUCTURES INC.

PRINT NAME: BRIAN J. FIELD, PE

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 57224

| NO. | DATE    | DESCRIPTION OF REVISIONS |
|-----|---------|--------------------------|
| 1   | 4-4-23  | PRELIMINARY PLAT         |
| 2   | 4-24-23 | WATERSHED REVISIONS      |
| 3   | 4-27-23 | CITY COMMENTS            |

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>KEA | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

DRAWING TITLE

COVER SHEET

DRAWING NO.

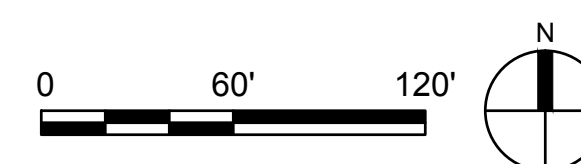
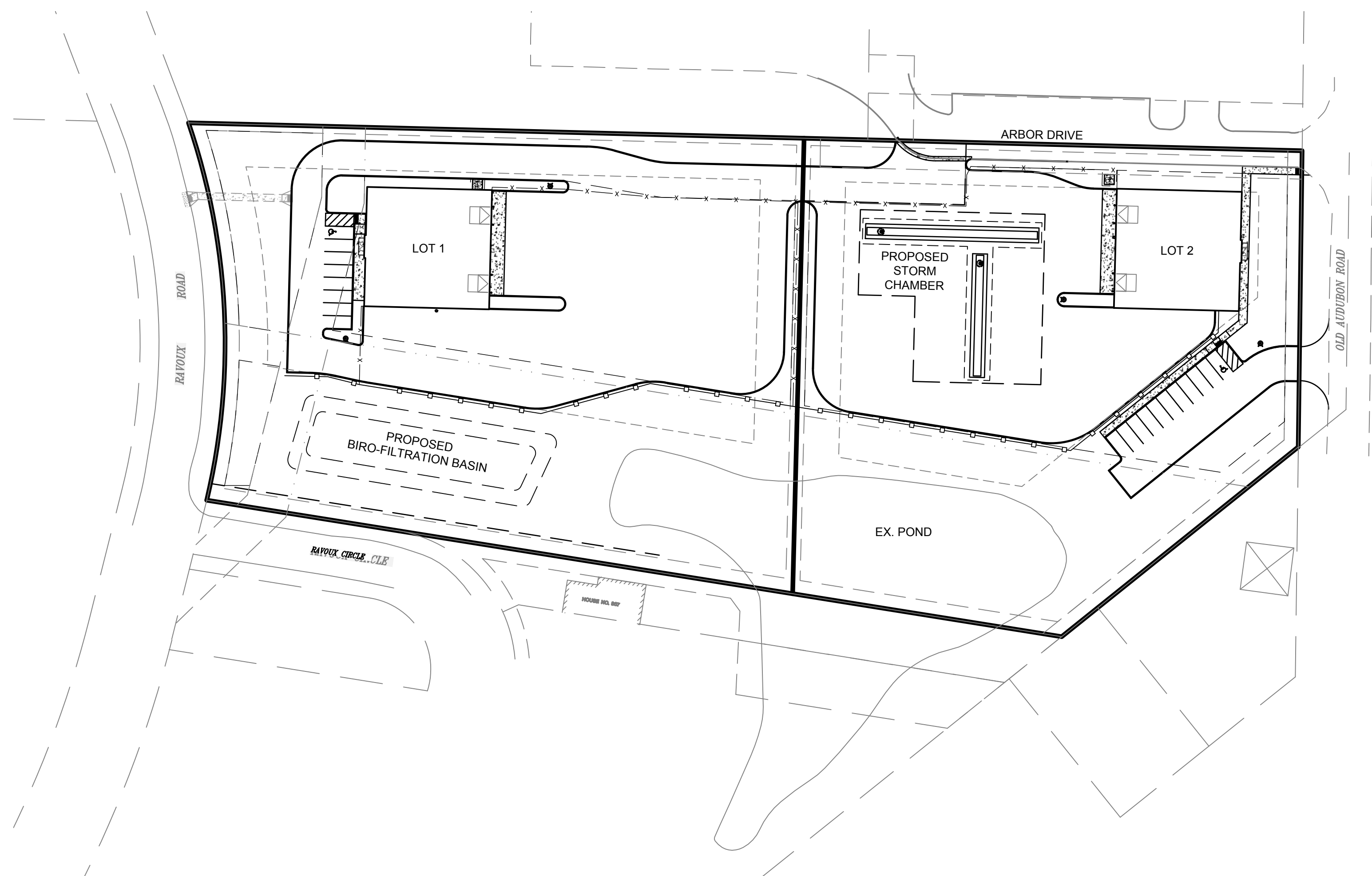
C1

|                     |                    |
|---------------------|--------------------|
| PLOTTED:<br>4/27/23 | COMM. NO.<br>15311 |
|---------------------|--------------------|



## INDEX

| <u>SHEET</u> | <u>DESCRIPTION</u>                     |
|--------------|----------------------------------------|
| C1           | COVER SHEET                            |
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| C2.1         | EASEMENT DEDICATION PLAN               |
| C3           | EXISTING CONDITIONS SURVEY             |
| C4           | DEMOLITION PLAN                        |
| C5           | GRADING & DRAINAGE PLAN                |
| C6           | UTILITY PLAN                           |
| C7           | EROSION & SEDIMENT CONTROL PLAN        |
| C8           | PHASE 1 CONSTRUCTION PLAN              |
| C9           | PHASE 2 CONSTRUCTION PLAN              |
| C10          | SWPPP - PG 1                           |
| C11          | SWPPP - PG 2                           |
| C12          | CIVIL SITE DETAILS 1                   |
| C13          | CIVIL SITE DETAILS 2                   |
| C14          | CIVIL SITE DETAILS 3                   |
| C15          | EXISTING SANITARY & WATERMAIN PROFILES |
| C16          | GRADING ENLARGEMENT DETAILS            |
| L1           | TREE PRESERVATION PLAN                 |
| L2           | PLANTING PLAN                          |
| L3           | PLANTING NOTES & DETAILS               |



## ARCHITECT

HTG ARCHITECTS  
1010 MAINSTREET  
HOPKINS, MN 55343  
952-278-8880

## LANDSCAPE ARCHITECT

ANDERSON ENGINEERING OF MN, LLC  
13605 1ST AVENUE NORTH, SUITE 100  
PLYMOUTH, MN 55441  
763-412-4000

## OWNER

STRUCTURES, INC.  
117 PEAHEY CIRCLE  
CHASKA, MN 55318  
952-937-6257

                     SURVEYOR / ENGINEER

ANDERSON ENGINEERING OF MN, LLC  
13605 1ST AVENUE NORTH, SUITE 100  
PLYMOUTH, MN 55441  
763-412-4000





## PARKING REQUIREMENTS

LOT 2  
REGULAR: 7 STALLS (9'x20')  
HANDICAP: 1 (VAN ACCESSIBLE)  
PROOF OF PARKING: 17 STALLS (9'x20')  
TOTAL: 25 STALLS

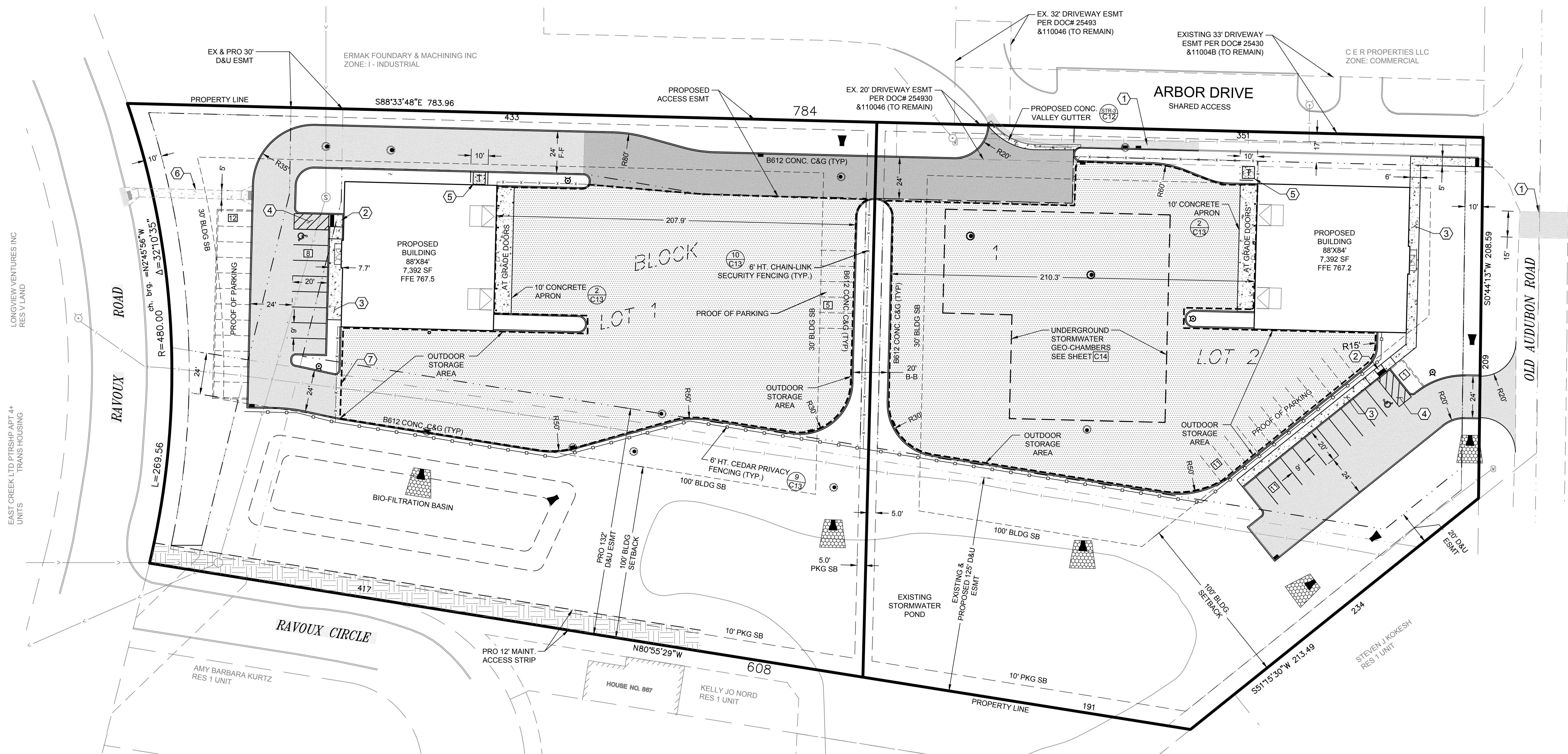
**EXISTING**

| <u>LOT DIMENSIONS</u> |                                  |
|-----------------------|----------------------------------|
| LOT 1:                | 120,537 SQUARE FEET (2.76 ACRES) |
| LOT 2:                | 108,371 SQUARE FEET (2.49 ACRES) |
| TOTAL                 | 228,908 SQUARE FEET (5.25 ACRES) |

|                                                                                     |                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
|  | PROPERTY LIMITS                                 |
|  | BUILDING SETBACKS                               |
|  | PARKING SETBACKS                                |
|  | EXISTING DRAINAGE AND UTILITY EASEMENT          |
|  | PROPOSED DRAINAGE AND UTILITY EASEMENT          |
|  | 6' HT. CEDAR BOARD PRIVACY FENCE                |
|  | OUTDOOR STORAGE AREA                            |
|  | 6' HT. CHAIN-LINK SECURITY FENCE                |
|  | PROPOSED BITUMINOUS PAVEMENT <span>1/C13</span> |
|  | HEAVY DUTY BITUMINOUS <span>1/C13</span>        |
|  | PROPOSED CONCRETE APRON <span>2/C13</span>      |
|  | RECYCLED CONCRETE PAVEMENT <span>1/C2</span>    |



- ① REMOVE & REPLACE CONCRETE CURB & GUTTER AND PAVEMENT IN-KIND AS NEEDED FOR RAMP INSTALLATION. SAWCUT 3' MIN PARALLEL TO EXISTING CURB.
- ② PROPOSED PEDESTRIAN RAMP.  
STR-11/C12
- ③ PROPOSED CONCRETE WALK 3/C13
- ④ PROPOSED PEDESTRIAN RAMP AND ACCESSIBLE STALL 6/C13
- ⑤ 7' X 7' CONCRETE TRANSFORMER PAD. VERIFY PAD SIZE WITH CHASKA ELECTRIC DEPARTMENT. 8/C13
- ⑥ FUTURE SIDE WALK CONNECTION TO RAVOUX ROAD.
- ⑦ SECURITY FENCE WITH ROLLER GATE



13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

## CITATION CREEK DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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.

PRINT NAME: BRIAN J. FIELD, PE

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 57224

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APRIL 27, 2023

|                   |               |                     |
|-------------------|---------------|---------------------|
| DESIGNED:<br>B.JF | DRAWN:<br>KEA | CHECKED BY:<br>B.JF |
|-------------------|---------------|---------------------|

## DRAWING TITLE

## PRELIMINARY PLAT

DRAWING NO.

C2

|                     |                   |
|---------------------|-------------------|
| PLOTTED:<br>4/27/23 | COMM. NO<br>15311 |
|---------------------|-------------------|





ANDERSON

13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
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Anderson Engineering of Minnesota, LLC

CITATION CREEK  
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| 3   | 4-27-23 | CITY COMMENTS            |

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPR | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

DRAWING TITLE

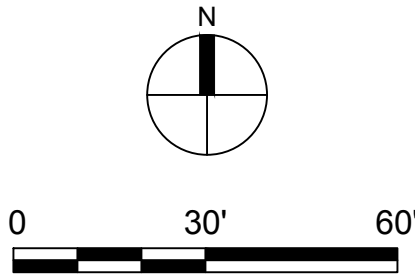
EASEMENT  
DEDICATION PLAN

DRAWING NO.

C2.1

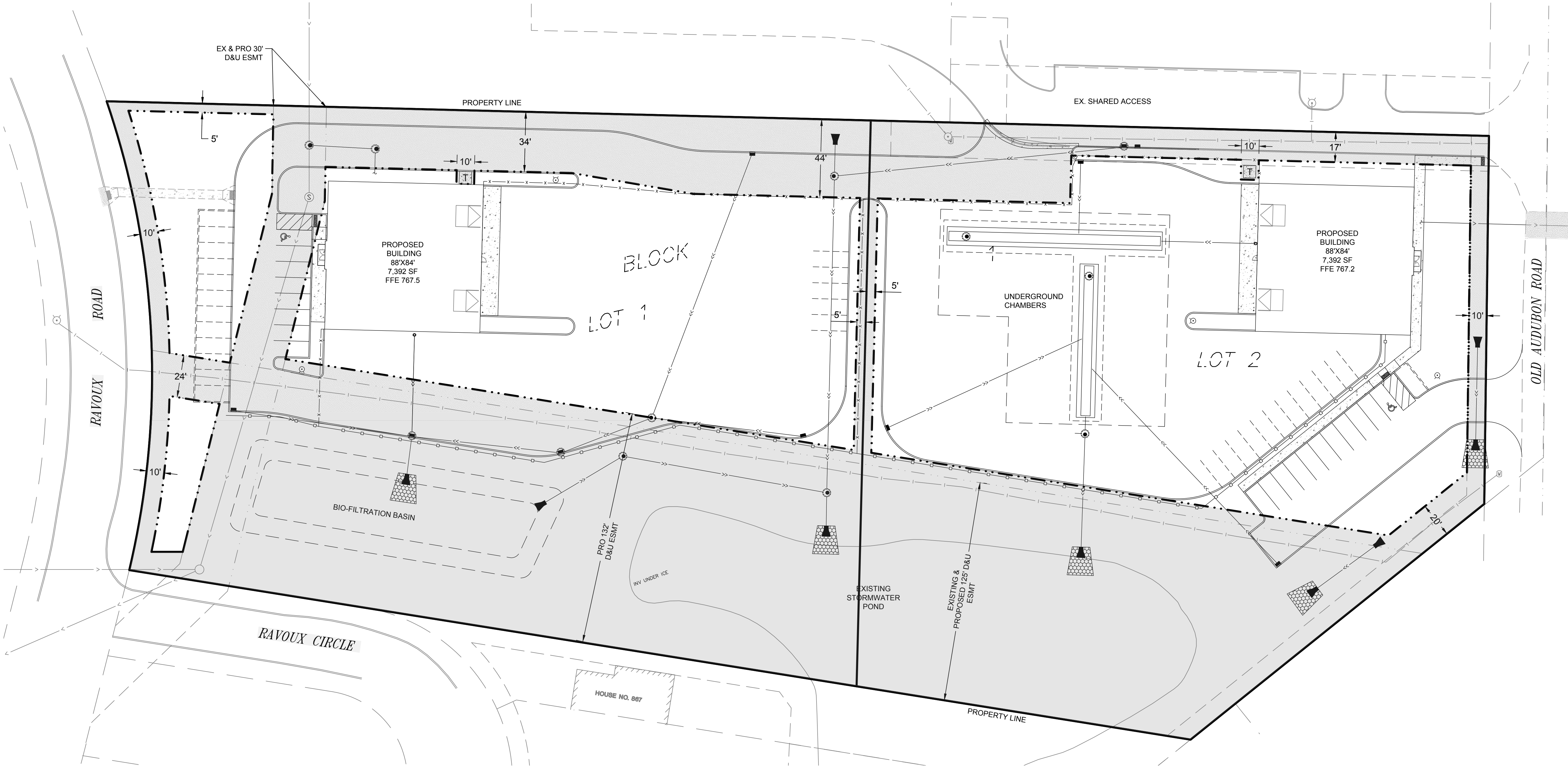
PLOTTED:  
4/27/23

COMM. NO.  
15311



LEGEND

- PROPERTY LIMITS
- EXISTING DRAINAGE AND UTILITY EASEMENT
- PROPOSED DRAINAGE AND UTILITY EASEMENT
- PROPOSED D&U EASEMENT DEDICATION AREA



Apr 27, 2023 - 1:54pm  
Xref Filename: \\15311\_S\_1\\15311\_TITLEBLOCK\_24X36\\15311\_C\_base\_A1  
damings  
Y:\15300\15311 HTG-STRUCTURES INC-CHASKA MN\_000 Structures Lot Split 2023\_07 CwA\_01 CAD files\_04 Construction Documents\_01 SHEETS\15311\_C\_1 PREPLAT.dwg







KEY NOTES

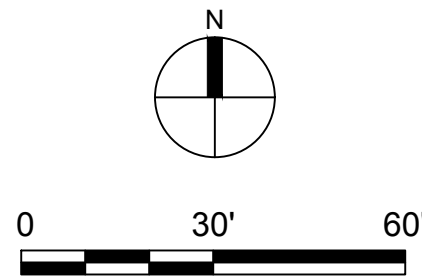
- 1 REMOVE EXISTING CONCRETE CURB & GUTTER
- 2 SAWCUT 2' PARALLEL TO CONCRETE CURB & GUTTER. REMOVE EXISTING ASPHALT PAVEMENT AND REPLACE IN-KIND.
- 3 DRAINAGE AND UTILITY EASEMENT (TYP.)
- 4 CLEAR & GRUB ALL TREES STUMPS AND UNDERSTORY BRUSH WITHIN LIMITS OF WORK
- 5 EXISTING OVERHEAD ELECTRICAL TO BE RELOCATED INCLUDING POWER POLES. CONTRACTOR TO COORDINATE WITH CHASKA ELECTRICAL FOR REMOVAL/RELOCATION OF OVERHEAD ELECTRICAL.
- 6 RELOCATE EXISTING NATURAL GAS LINE.
- 7 RELOCATE EXISTING UNDERGROUND ELECTRICAL AS NECESSARY
- 8 SHARED ACCESS TO REMAIN IN USE FOR NEIGHBORING PROPERTY THROUGHOUT THE DURATION OF CONSTRUCTION.
- 9 INSTALL PERIMETER SILT FENCE PRIOR TO ANY DEMOLITION ACTIVITIES.
- 10 PROTECT EXISTING UTILITY LINE IN-PLACE.
- 11 RAISE EXISTING SANITARY RIM ELEVATION TO FINISHED GRADE. SEE SHEET C5 FOR MORE INFORMATION.
- 12 EXISTING HYDRANT TO REMAIN IN PLACE.
- 13 INSTALL TREE PROTECTION FENCING PER DETAIL 1/L3
- 14 REMOVE AND REPLACE IN-KIND EXISTING BITUMINOUS PAVEMENT. MATCH EXISTING OLD AUDUBON ROAD PAVEMENT SECTION

CONTRACTOR NOTES

1. UTILITIES SHOWN ARE FOR INFORMATIONAL USE ONLY AND ARE NOT GUARANTEED IN ACCURACY. VERIFY ALL TOPOGRAPHIC INFORMATION PRIOR TO COMMENCING WORK. NOTIFY PROJECT MANAGER OF ANY/ALL DISCREPANCIES IMMEDIATELY.
2. CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATOR AS NECESSARY TO VERIFY UNDERGROUND UTILITIES. UTILITIES SHOWN ON PLANS MAY VARY FROM EXISTING CONDITIONS, AND CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITY LINES SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY.
3. CONTRACTOR TO COORDINATE WITH SMALL UTILITY COMPANIES ON REMOVAL & RELOCATION OF THEIR RESPECTIVE UTILITIES.
4. UTILITIES MUST BE LOCATED PRIOR TO EXCAVATION OR GRADING ON ANY SITE. CALL GOPHER STATE ONE AT 1-800-252-1166 AS SOON AS POSSIBLE TO SCHEDULE UTILITY LOCATIONS.

LEGEND

- PROPERTY LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING FENCE
- EXISTING GAS MAIN
- EXISTING OVERHEAD WIRES
- EXISTING TELEPHONE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING HYDRANT AND GV
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER INLET
- REMOVE EXISTING UTILITY LINE
- REMOVE EXISTING CONCRETE C&G
- REMOVE TREE
- BITUMINOUS PAVEMENT REMOVAL



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13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

CITATION CREEK  
DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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.

PRINT NAME: BRIAN J. FIELD, PE

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 57224

REVISION LOG

| NO. | DATE    | DESCRIPTION OF REVISIONS |
|-----|---------|--------------------------|
| 1   | 4-4-23  | PRELIMINARY PLAT         |
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PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPR | CHECKED BY:<br>BJF |
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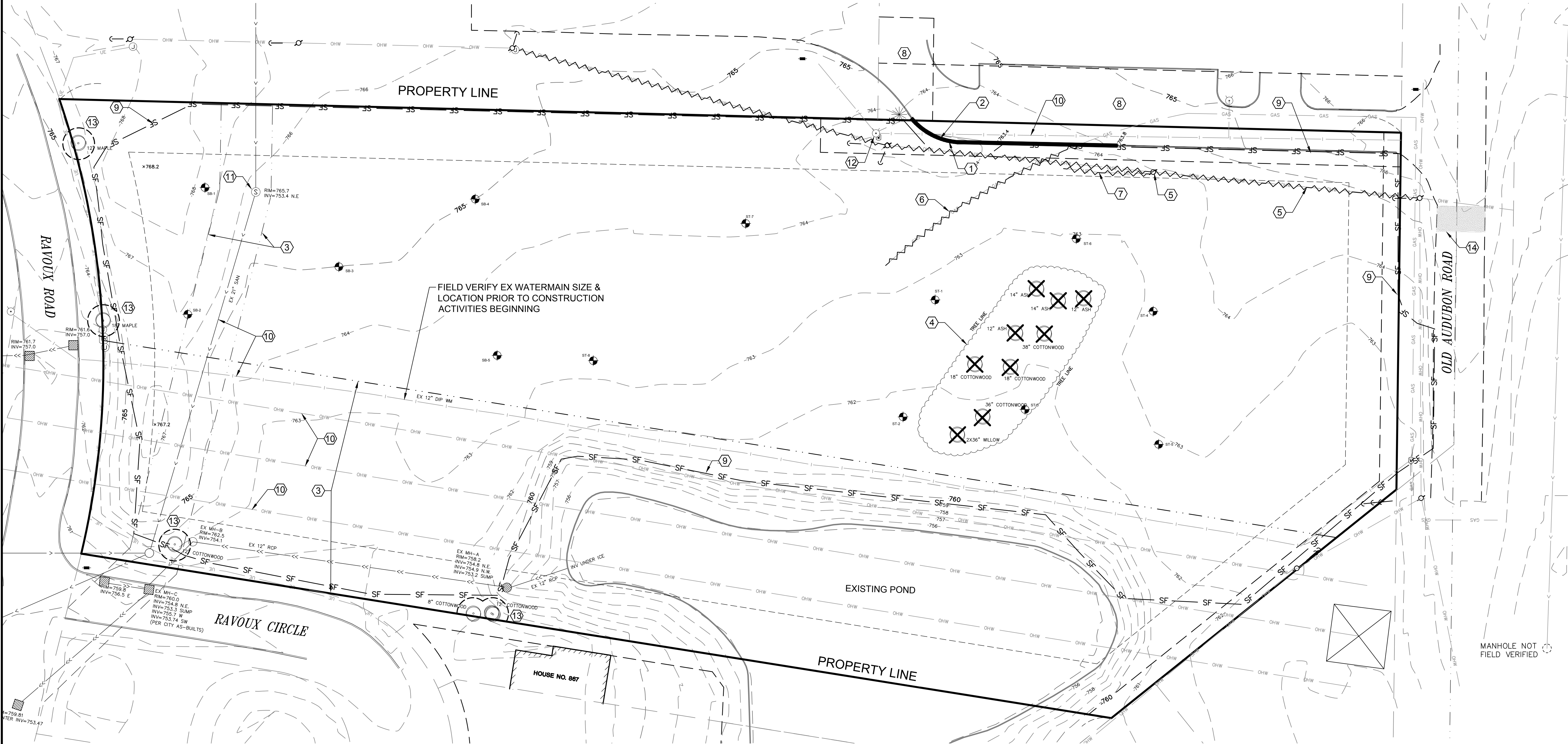
DEMOLITION PLAN

DRAWING NO.

C4

PLOTTED:  
4/27/23

COMM. NO.  
15311







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13605 1st Avenue N. #100  
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## CITATION CREEK DEVELOPMENT

CHASKA, MINNESOTA

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### PRELIMINARY PLAT APRIL 27, 2023

|                  |               |                    |
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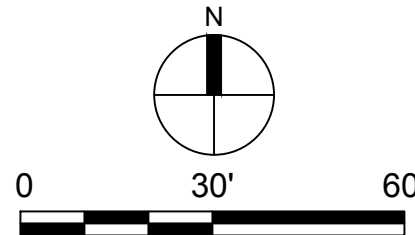
### GRADING & DRAINAGE PLAN

DRAWING NO.

C5

PLOTTED:  
4/27/23

COMM. NO.  
15311



### LEGEND

|         |                         |
|---------|-------------------------|
| ---     | PROPERTY LIMITS         |
| - - -   | EXISTING MINOR CONTOUR  |
| - - -   | EXISTING MAJOR CONTOUR  |
| ---     | PROPOSED MINOR CONTOUR  |
| ---     | PROPOSED MAJOR CONTOUR  |
| x       | EXISTING SPOT ELEVATION |
| ==>     | DRAINAGE ARROW          |
| ---     | PROPOSED CONCRETE C&G   |
| -o-o-o- | PRIVACY FENCE           |
| -x-     | SECURITY FENCE          |

### GENERAL NOTES

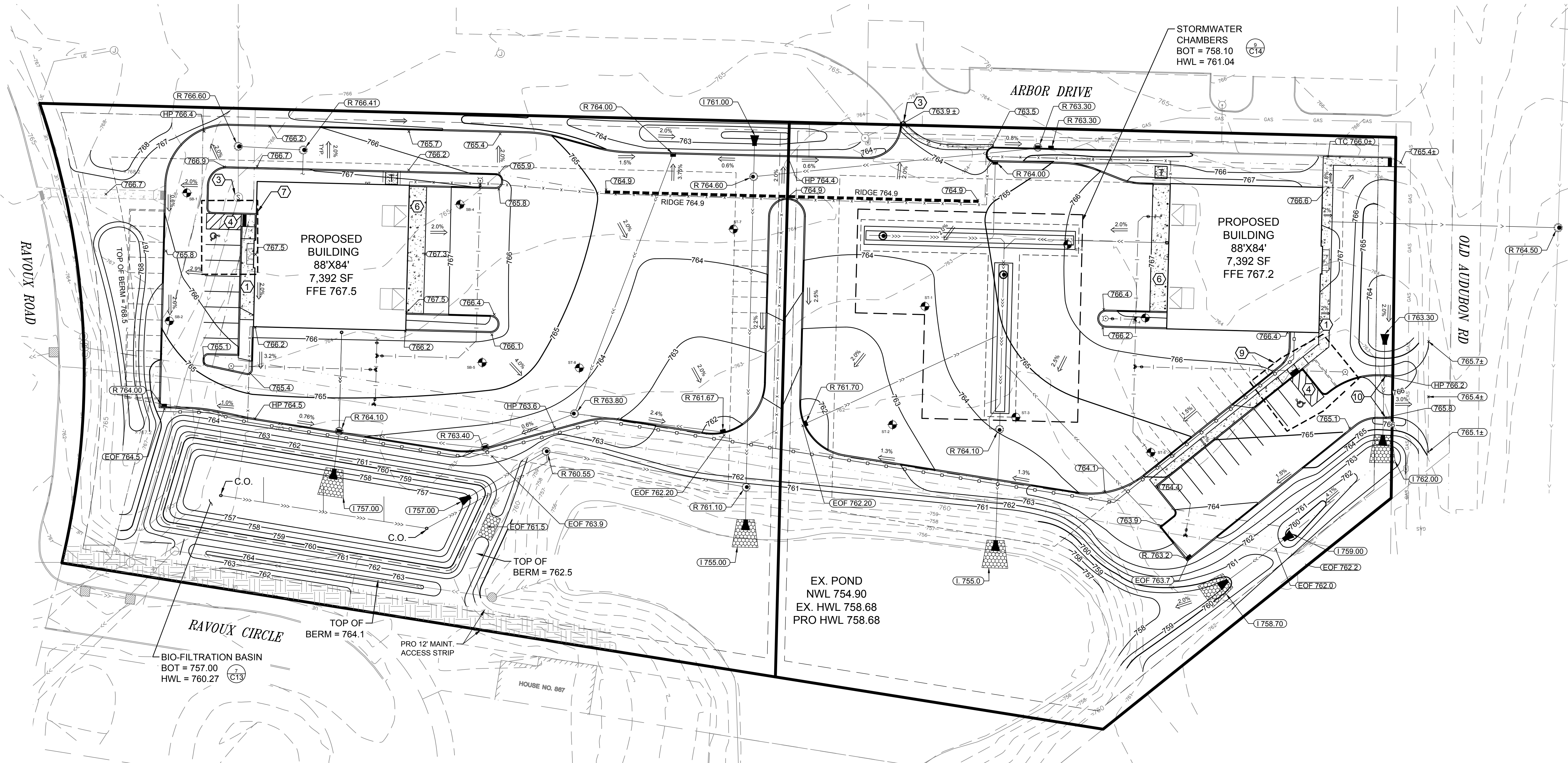
- SEE SHEET C7 FOR EROSION & SEDIMENT CONTROL PLAN
- SEE SHEETS C10 & C11 FOR PROJECT SWPPP.

### KEY NOTES

- CONCRETE SIDE WALK CROSS SLOPE @ 2.0% AWAY FROM BUILDING (TYP.) UNLESS OTHERWISE NOTED.
- MATCH EXISTING CURB & GUTTER ELEVATION.
- RAISE EXISTING SANITARY RIM ELEVATION TO FINISHED GRADE.
- INSTALL HANDICAP PEDESTRIAN RAMP
- NOT USED
- CONCRETE APRON CORSS SLOPE @ 2.0% AWAY FROM BUILDING (TYP.) UNLESS OTHERWISE NOTED.
- GRADING ENLARGEMENT  $\frac{1}{1}$ /C16
- NOT USED
- GRADING ENLARGEMENT  $\frac{3}{3}$ /C16
- 3' CURB TAPER TO FLUSH AT PROPERTY LINE

### CONTRACTOR NOTES

- CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REMOVAL OF ALL APPLICABLE EROSION & SEDIMENT CONTROL ITEMS.
- SPECIFIED EROSION/SEDIMENT CONTROL MEASURES ARE THE MINIMUM. ADDITIONAL PRACTICES MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION.
- THE TOTAL DISTURBED AREA IS EQUAL TO 4.041 ACRES. AN MPCA PERMIT IS REQUIRED. PROVIDE DOCUMENTATION TO THE CITY PRIOR TO ANY GRADING WORK BEGINNING.
- PROPOSED SPOT ELEVATIONS ARE TO TOP OF FINISHED SURFACE UNLESS OTHERWISE NOTED ON PLANS.
- TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES. LOCATIONS OF UTILITIES SHOWN BASED ON SURVEY AND AS-BUILT INFORMATION AND MAY NOT REPRESENT ACTUAL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR UTILIZING UTILITY LOCATES PRIOR TO STARTING ANY WORK.
- TOTAL IMPERVIOUS COVERAGE POST CONSTRUCTION WILL BE 2.73 ACRES OR 2.73 AC/5.25 AC = 52%.
- ALL CONSTRUCTION OF HANDICAP STALLS, ROUTES, & PEDESTRIAN RAMPS SHALL COMPLY WITH THE 2020 MN ACCESSIBILITY CODE.
- TO ENSURE RAMPS & LANDINGS ARE PROPERTY CONSTRUCTED, LANDINGS MAY BE CAST SEPARATELY.
- ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES.





CONTRACTOR NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AND PER THE GEOTECHNICAL REPORT UNLESS DIRECTED OTHERWISE.
- ALL CONSTRUCTION SHALL COMPLY WITH THE MOST CURRENT CITY OF CHASKA CODE AND STANDARDS, AND THE 2018 EDITION OF MNDOT STANDARD CONSTRUCTION SPECIFICATIONS (INCLUDING SUPPLEMENTS) AND THE C.E.A.M. STANDARD SPECIFICATIONS-2013 EDITION UNLESS DIRECTED OTHERWISE.
- ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE MUNICIPAL, WATERSHED DISTRICT, COUNTY, MPCA, DEPT. OF HEALTH, AND MNDOT PERMITS.
- THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE INFORMATION IS NOT WARRANTED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR, IN COOPERATION WITH THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY, IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES.
- LOCATE AND PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED.
- PROVIDE MINIMUM 10' HORIZONTAL & 18" VERTICAL SEPARATION OF ALL WATERMAIN CROSSINGS FROM STORM OR SANITARY SEWER.
- ALL WATER SERVICE SHALL BE INSTALLED WITH 7.5 FEET MINIMUM COVER FROM FINISHED GRADE, MAX 10 FT. WATERMAIN TO BE INSTALLED PER C.E.A.M. SPECIFICATIONS, WHERE COVER DEPTHS CANNOT BE ACHIEVED, CONTRACTOR SHALL PROVIDE A MINIMUM 4 INCHES OF INSULATION OVER WATERMAIN AND CONTACT THE ENGINEER.
- WATER SERVICE MATERIALS SHALL BE PVC C900. CONTRACTOR SHALL VERIFY EXISTING WATERMAIN SIZE AND MATERIAL PRIOR TO CONSTRUCTION. ALL INSTALLED PIPE WILL REQUIRE TESTING PER CITY AND STATE REQUIREMENTS. THIS WILL INCLUDE, AT A MINIMUM, CONDUCTIVITY AND PRESSURE TESTING, AS WELL AS TESTING FOR BACTERIA AND PROPER DISINFECTION. FOLLOW C.E.A.M STANDARD SPECIFICATION UNLESS NOTED OTHERWISE. INSTALL TRACER WIRE, JOINT RESTRAINTS AND THRUST BLOCKING ON ALL WATERMAIN PIPE AND FITTINGS, PER CITY OF CHASKA STANDARDS.
- ALL COMPONENTS OF WATER SYSTEM, UP TO THE WATER METER OR FIRE SERVICE EQUIPMENT MUST UTILIZE PROTECTIVE INTERNAL COATINGS MEETING CURRENT ANSI/AWWA STANDARDS FOR CEMENT MORTAR LINING OR SPECIAL COATING.
- SANITARY SEWER PIPE MATERIALS SHALL BE PVC SDR 26 OR DIP CL 52 AS NEEDED. PIPE SHALL BE INSULATED PER CITY AND C.E.A.M. STANDARDS WHERE 7.5 FOOT COVER DEPTHS ARE NOT ACHIEVED. ALL SANITARY SEWER PIPE WILL REQUIRE TESTING PER CITY AND C.E.A.M. STANDARDS. THIS WILL INCLUDE, AT A MINIMUM, LEAKAGE AND ALIGNMENT TESTING.
- OVER EXCAVATE UNSUITABLE MATERIAL WITHIN PROPOSED SANITARY SEWER IN ACCORDANCE WITH GEOTECHNICAL REPORT(S).
- PVC SANITARY SEWER MUST MEET ASTM STANDARDS LISTED IN MINNESOTA RULES, CHAPTER 4714, TABLE 701.1 AND INSTALLATION STANDARD 1. FITTING MUST COMPLY WITH ASTM D1866, D2665, OR F794 RESPECTIVELY. JOINTS MUST BE APPROVED MECHANICAL OR PUSH-ON UTILIZING ELASTOMERIC SEAL, OR SOLVENT WELDING USING ASTM F656 AND ASTM D2564. THE INSTALLATION MUST COMPLY WITH ASTM D2321.
- ALL NEW NON METALLIC SANITARY AND WATER SERVICE PIPE SHALL HAVE TRACER WIRE, PER CITY SPECIFICATIONS.
- HDPE PIPE CONNECTIONS INTO ALL CONCRETE STRUCTURES MUST BE MADE WITH WATER TIGHT MATERIALS UTILIZING AN A-LOK OR WATERSTOP GASKET OR BOOT, CAST-IN-PLACE RUBBER BOOT, OR APPROVED EQUAL. WHERE THE ALIGNMENT PRECLUDES THE USE OF THE ABOVE APPROVED WATERTIGHT METHODS, CONCEAL 231 WATERSTOP SEALANT, OR APPROVED EQUAL WILL ONLY BE ALLOWED AS APPROVED BY THE ENGINEER. STORM SEWERS MUST MEET ASTM F714 (SEE MINNESOTA RULES, CHAPTER 4714 SECTION 1102.4 AND INSTALLATION STANDARD 1).
- ALL PORTIONS OF THE STORM SEWER SYSTEM LOCATED WITHIN 10 FEET OF A BUILDING OR WATER SERVICE LINE MUST BE TESTED IN ACCORDANCE WITH MINNESOTA RULES, CHAPTER 4714 , SECTION 1109.0. TESTING OF WATER AND SEWER SHALL COMPLY WITH 2013 CEAM REQUIREMENTS.
- SUBSTITUTIONS FROM INFO. SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND CITY ENGINEER.
- UTILITY AND MECHANICAL CONTRACTORS MUST COORDINATE THE INSTALLATION OF ALL WATER AND SEWER SERVICE PIPES INTO THE BUILDING TO ACCOMMODATE CITY INSPECTION AND TESTING.
- ALL CITY SANITARY SEWER MANHOLES ARE TO BE BITUMINOUS COATED PER DETAIL [SAN-1/C12]
- SEE SHEET C8 FOR BIDDING INSTRUCTIONS.

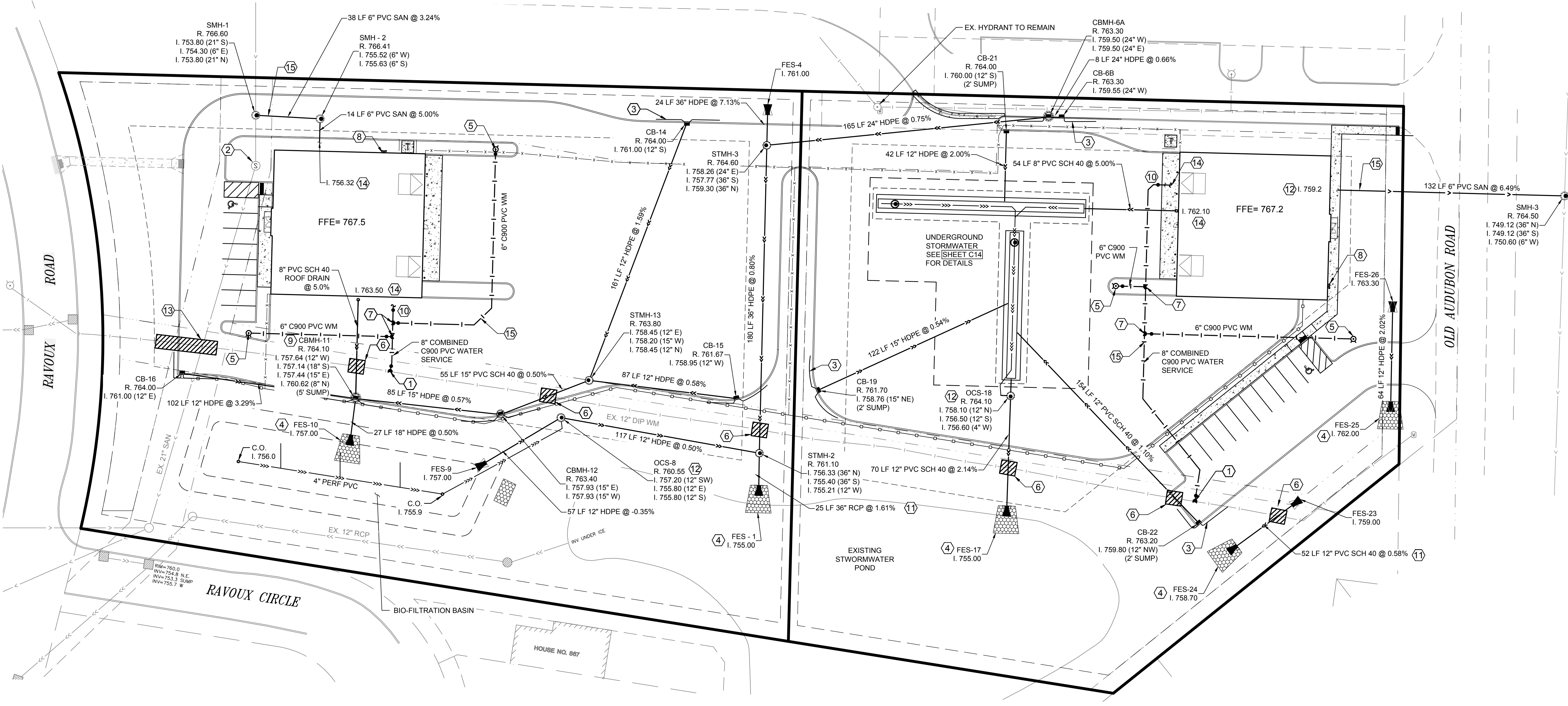
KEY NOTES

- CONNECT TO EXISTING CITY WATERMAIN VIA CUT-IN TEE/FITTINGS. INSTALL 8X12 TEE WITH 8" GATE VALVE.
- RAISE EXISTING SANITARY RIM ELEVATION TO FINISHED GRADE. RECONSTRUCT/REPLACE BARREL & CONE SECTIONS AS NEEDED.
- INSTALL 4" PERFORATED PVC 20 LF MIN. BEHIND BACK OF CURB AT ALL LOWPOINT. (TYP.) [STO-12/C12] [STO-14/C12]
- INSTALL RIP-RAP @ OUTLET PER [STO-11/C12]
- INSTALL HYDRANT WITH 6" GATE VALVE & LEAD. [WAT-2/C12]
- FIELD VERIFY MIN. 18" VERTICAL SEPARATION AT UTILITY CROSSING PRIOR TO CONSTRUCTION. INSTALL RIGID POLYSTYRENE INSULATION. INSULATION TO BE 4" MINIMUM AND TO BE CENTERED ON PIPE EXTENDING 4' IN EACH DIRECTION. SEE DETAIL [GEN-8/C12] AND SHEET C6 FOR MORE DETAILS
- INSTALL 8X6 TEE WITH 6" GATE VALVE.
- FIRE DEPARTMENT CONNECTION LOCATION TO BE ON ADDRESS SIDE. COORDINATE LOCATION W/ ARCHITECT/MASTER PLUMBER.
- INSTALL SAFL BAFFLE WITHIN MANHOLE. [9/C14]
- INSTALL 8" GATE VALVE
- LAST 3 JOINTS OF RCP TO BE TIED PER [STO-10/C12]
- OUTLET CONTROL STRUCTURE W. CONCRETE WEIR. [8/C13]
- EXISTING COVER REDUCED. EXCAVATE EXISTING WATERMAIN AND INSULATE WITH RIGID POLYSTYRENE INSULATION. INSULATION TO BE 4" MINIMUM ANS TO BE CENTERED ON PIPE EXTENDED 4' IN EACH DIRECTION. SEE DETAIL [GEN-8/C12]
- VERIFY ALL UTILITY CONNECTION POINTS TO BUILDING WITH MASTER PLUMBER AND ARCHITECTURAL DRAWINGS
- SANITARY SEWER AND WATERMAIN UTILITY LINES ARE TO BE SUPPORTED ON RAMMED AGGREGATE GEOPIERS. SIZE, NUMBER, AND SPACING OF GEOPIERS ARE TO BE A DELEGATED DESIGN.

| STRUCTURE SCHEDULE |           |                                     |
|--------------------|-----------|-------------------------------------|
| STRUCTURE NO.      | SIZE      | CASTING / NOTES                     |
| FES-1              | 36" RCP   | W/ RIP RAP                          |
| STMH-2             | 60" ROUND | R-1648-A - SOLID "STORM"            |
| STMH-3             | 60" ROUND | R-1648-A - SOLID "STORM"            |
| FES-4              | 36" MES   | -                                   |
| STMH-5             | 48" ROUND | R-1648-A - SOLID "STORM"            |
| CBMH-6A            | 48" ROUND | R-3067-L                            |
| CB-6B              | 2'X3' BOX | R-3067L                             |
| OCS-8              | 48" ROUND | HAALA P548-585                      |
| FES-9              | 12" MES   | -                                   |
| FES-10             | 18" MES   | W/ RIP RAP                          |
| CBMH-11            | 60" ROUND | R-3067-L (5' SUMP WITH SAFL BAFFLE) |
| CBMH-12            | 48" ROUND | R-3067-L                            |
| STMH-13            | 48" ROUND | R-1648-A-SOLID "STORM"              |
| CB-14              | 2'X3' BOX | R-3067L                             |
| CB-15              | 2'X3' BOX | R-3067L                             |
| CB-16              | 2'X3' BOX | R-3067L                             |
| FES-17             | 12" MES   | W/ RIP RAP                          |
| OCS-18             | 48" ROUND | R-1648-A - SOLID "STORM"            |
| CB-19              | 2'X3' BOX | R-3067-L (2' SUMP)                  |
| CBMH-20            | 48" ROUND | R-3067-L                            |
| CB-21              | 2'X3' BOX | R-3067-L (2' SUMP)                  |
| CB-22              | 2'X3' BOX | R-3067-L (2' SUMP)                  |
| FES-23             | 12" MES   | -                                   |
| FES-24             | 12" MES   | W/ RIPRAP                           |
| FES-25             | 12" MES   | W/ RIPRAP                           |
| FES-26             | 12" MES   | -                                   |
| SMH-1              | 48" ROUND | R-1642-A                            |
| SMH-2              | 48" ROUND | R-1642-A                            |
| SMH-3              | 48" ROUND | R-1642-A                            |
| SMH-4              | 48" ROUND | R-1642-A                            |

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED DRAIN TILE
- PROPOSED WATERMAIN FITTING
- PROPOSED SANITARY MANHOLE AND CLEANOUT
- PROPOSED STORM STRUCTURE
- FLARED END SECTION W/ RIPRAP



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13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](mailto:ae-mn.com)  
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PRINT NAME: BRIAN J. FIELD, PE

SIGNATURE: **NOT FOR CONSTRUCTION**

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PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPR | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

DRAWING TITLE

UTILITY PLAN

DRAWING NO.

C6

PLOTTED:  
4/27/23

COMM. NO.  
15311



STORM WATER POLLUTION PREVENTION PLAN NOTES:

1. GRADING CONTRACTORS SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
2. ALL EROSION CONTROL MEASURES CALLED FOR ON THESE PLANS AND SPECIFICATIONS, WHICH MAY INCLUDE SILT FENCE, SEDIMENTATION BASINS OR TEMPORARY SEDIMENT TRAPS, SHALL BE CONSTRUCTED AND SERVICEABLE IN THE FOLLOWING ORDER:
  - A. ROCK CONSTRUCTION ENTRANCES A MINIMUM OF 50 FEET
  - B. SILT FENCE
  - C. TEMPORARY CULVERTS
  - D. TEMPORARY SEDIMENTATION BASINS AND OUTFALL FACILITIES
  - E. SORMWATER POND CONSTRUCTION
  - F. COMMON EXCAVATION AND EMBANKMENT (GRAINING)
  - G. SEED AND MULCH OR SO
  - H. BIG ROLL BARRIERS IN FINISHED GRADED AREAS
  - I. INLET AND OUTLET FACILITIES SUBSEQUENT TO STORM SEWER WORK
3. GRADING CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY AND NPDES PHASE II PERMITTING REQUIREMENTS AS WELL AS EROSION CONTROL MEASURES AS MAY BE SHOWN ON THESE PLANS OR SPECIFICATIONS. GRADING CONTRACTOR SHALL IMPLEMENT ANY ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED TO PROTECT ADJACENT PROPERTY.
4. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING GRADING OPERATIONS. ANY TEMPORARY FACILITIES WHICH ARE TO BE REMOVED AS CALLED FOR ON THESE PLANS AND SPECIFICATIONS SHALL BE REMOVED BY THE GRADING CONTRACTOR WHEN DIRECTED BY THE ENGINEER. THE GRADING CONTRACTOR SHALL RESTORE THE SUBSEQUENTLY DISTURBED AREA IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
5. THE GRADING CONTRACTOR SHALL SCHEDULE THE SOILS ENGINEER SO THAT CERTIFICATION OF ALL CONTROLLED FILLS WILL BE FURNISHED TO THE OWNER DURING AND UPON COMPLETION OF THE PROJECT.
6. ALL DISTURBED AREAS, EXCEPT AREAS TO BE PAVED AND/OR SPECIFICALLY DESIGNED BY A LANDSCAPE PLAN, SHALL BE COVERED WITH A MINIMUM 6" OF TOP SOIL OR AS INDICATED IN SPECIFICATIONS OR LANDSCAPING PLAN. ALL DISTURBED AREAS SHALL BE SEEDDED & MULCHED AT THE PRESCRIBED RATES WITHIN 72 HOURS OF FINAL GRADING UNLESS OTHERWISE NOTED.

| SEED MIX:   | MNDOT NO. 25-141 59# / ACRE          |
|-------------|--------------------------------------|
| MULCH:      | TYPE 1 2 TONS / ACRE (DISK ANCHORED) |
| FERTILIZER: | TYPE 5 22-5-10 350# / ACRE           |

ALL EXPOSED SOIL AREAS WITH A CONTINUOUS POSITIVE SLOPE WITHIN 200 LINEAL FEET OF ANY SURFACE WATER, MUST HAVE TEMPORARY EROSION PROTECTION OR PERMANENT COVER FOR THE EXPOSED SOIL AREAS YEAR ROUND, ACCORDING TO THE FOLLOWING TABLE OF SLOPES AND TIME FRAMES:

| TYPE OF SLOPE     | TIME (Maximum time an area can remain open when the area is not actively being worked) |
|-------------------|----------------------------------------------------------------------------------------|
| STEEPER THAN 3:1  | 7 DAYS                                                                                 |
| 10:1 TO 3:1       | 14 DAYS                                                                                |
| FLATTER THAN 10:1 | 21 DAYS                                                                                |
7. THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS SHOWN ON THE PLAN WERE TAKEN FROM A PLAN FURNISHED BY OWNER.
8. CONTRACTORS GRADING AND EROSION CONTROL OPERATIONS SHALL TAKE PLACE WITHIN THE CONSTRUCTION LIMITS.
9. IT IS REQUIRED THAT SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES BE CLEANED DAILY FROM PAVED ROADWAY SURFACES THROUGHOUT THE DURATION OF CONSTRUCTION.
10. PROVIDE TEMPORARY SEDIMENTATION BASINS AS DIRECTED BY THE ENGINEER.
11. ALL REQUIREMENTS OF THE LOCAL WATERSHED DISTRICT SHALL BE SATISFIED PER THE APPROVED PERMIT.
12. ALL EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN AND IMPLEMENTED IN THE FIELD AS DIRECTED BY THE ENGINEER SHALL CONFORM TO THE MPCA'S "PROTECTING WATER QUALITY IN URBAN AREAS: BEST MANAGEMENT PRACTICES FOR MINNESOTA".
13. DEWATERING AND / OR BASIN DRAINING DISCHARGE SHALL BE DIRECTED TO SEDIMENTATION BASINS WHEREVER POSSIBLE. ALL DISCHARGE POINTS SHALL BE ADEQUATELY PROTECTED FROM EROSION & SCOUR THROUGH USE OF APPROVED ENERGY DISSIPATION DEVICES.
14. ALL SOLID WASTE / CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH MPCA REQUIREMENTS. HAZARDOUS MATERIALS SHALL BE STORED / DISPOSED OF IN COMPLIANCE WITH MPCA REGULATIONS.
15. CONTRACTOR SHALL USE RAPID STABILIZATION METHODS PER MNDOT 2575 AS NEEDED DURING THE COURSE OF THE WORK TO MAINTAIN CONFORMANCE WITH THE CITY AND NPDES IF PERMIT REQUIREMENTS. THIS WORK SHALL CONSIST OF OPERATIONS NECESSARY TO RAPIDLY STABILIZE SMALL CRITICAL AREA, TO PREVENT OFF SITE SEDIMENTATION AND / OR TO COMPLY WITH PERMIT REQUIREMENTS. THE WORK MAY BE PERFORMED AT ANY TIME DURING THE CONTRACT AND DURING NORMAL WORKING HOURS. THIS WORK WILL BE CONDUCTED ON SMALL AREAS THAT MAY OR MAY NOT BE ACCESSIBLE WITH NORMAL EQUIPMENT. THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE MNDOT STANDARDS SPECIFICATIONS, THE DETAILS SHOWN IN THE PLANS, AND THE FOLLOWING:

THERE ARE FIVE STABILIZATION METHODS APPROVED FOR THESE OPERATIONS. THESE METHODS MAY BE CONDUCTED INDEPENDENTLY OR IN COMBINATION.

| METHOD | RAPID STABILIZATION                                  |
|--------|------------------------------------------------------|
| 1      | TYPE 1 MULCH WITH DISK ANCHORING                     |
| 2      | TYPE 3 MULCH WITH TYPE HYDRAULIC MULCH               |
| 3      | TYPE HYDRAULIC MULCH WITH SEED MIXTURE 22-11         |
| 4      | CATEGORY 3 EROSION CONTROL BLANKET WITH SEED MIXTURE |
| 5      | RIPRAP CLASS II WITH GEOTEXTILE TYPE III             |

THESE EFFORTS WILL BE INCIDENTAL TO THE EROSION CONTROL BID ITEM.
16. CHANGE OF COVERAGE: FOR STORM WATER DISCHARGES FROM CONSTRUCTION PROJECTS WHERE THE OWNER OR OPERATOR CHANGES, (E.G., AN ORIGINAL DEVELOPER SELLS PORTIONS OF THE PROPERTY TO VARIOUS BUILDERS) THE NEW OWNER OR OPERATOR MUST SUBMIT A SUBDIVISION REGISTRATION WITHIN 7 DAYS OF ASSUMING TRANSFERS, SALE OR CLOSING ON THE PROPERTY.
17. INDIVIDUAL SITE BUILDERS SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY EROSION CONTROL MEASURES AS MAY BE REQUIRED. REQUIRED ECOM'S SHALL CONSIST OF BUT NOT BE LIMITED TOT HE FOLLOWING:
  - A. SILT FENCE SURROUNDING CONSTRUCTION AREA. SILT FENCE SHALL HAVE THE BOTTOM DUG IN WITH SOIL FIRMLY COMPACTED.
  - B. ROCK CONSTRUCTION ENTRANCE HAVING 1" TO 2" CLEAR ROCK OVER GEOTEXTILE FABRIC.
  - C. STREET CLEANING AS MAY BE REQUIRED SHOULD VEHICLE TRACKING OCCUR.INDIVIDUAL SITE BUILDERS ARE REQUIRED TO MAINTAIN ECOM'S UNTIL SUCH TIME AS INDIVIDUAL YARDS/VEGETATION ARE ESTABLISHED.
18. CONTRACTOR SHALL PROVIDE A TEMPORARY SEDIMENTATION BASIN ON SITE FOR CONSTRUCTION WASH OUT USE. TEMPORARY BASIN SHALL BE LOCATED AS TO PROVIDE EASY ACCESS FOR CONSTRUCTION VEHICLES AND CONCRETE TRUCKS AS NECESSARY.
19. INLET SEDIMENTATION CONTROL IS TO BE PROVIDED TO ALL STORM SEWER CATCH BASIN THROUGHOUT CONSTRUCTION. MEASURES APPLIED SHALL COMPLY WITH BEST MANAGEMENT PRACTICES FOR MINNESOTA AND APPLICATION OF NPDES PHASE II AS APPROPRIATE FOR PHASE OF CONSTRUCTION.
20. CONTRACTOR SHALL PREVENT SOIL LOSS DURING CONSTRUCTION DUE TO WIND EROSION THROUGHOUT CONSTRUCTION. DUST SHALL BE SUPPRESSED THROUGH THE APPLICATIONS OF WATER, AS DEEMED NECESSARY BY THE CONTRACTOR, OR THROUGH EQUIVALENT BMP'S AS APPROVED BY THE ENGINEER.
21. IF LEED ACCREDITATION IS APPLICABLE, CONTRACTOR SHALL DOCUMENT THE IMPLEMENTATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN THROUGH DATE-STAMPED PHOTOS AND INSPECTION LOGS / REPORTS. REPORTS SHALL INCLUDE AT A MINIMUM DESCRIPTION OF ALL EMPLOYED BMP'S INCLUDING BOTH MEASURES TO PREVENT SOIL LOSS DUE TO RUNOFF AND SOIL LOSS DUE TO WIND EROSION. BMP'S DEEMED UNNECESSARY DUE TO SITE CONDITIONS, CORRECTIVE ACTIONS TAKEN IN RESPONSE TO PROBLEMS, AND ANY ADDITIONAL INFORMATION RELEVANT TO THE CONDITION OF THE EROSION AND SEDIMENT CONTROL PLAN AS IT WAS ESTABLISHED AT THE TIME OF CONSTRUCTION.

STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

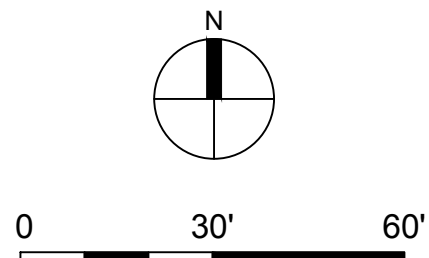
| ITEM                     | INSTALLATION                                                                 | INSPECTION & MAINTENANCE                                                 | REMOVAL                                    |
|--------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------|
| SILT FENCE               | PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.                               | INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED. | AFTER TRIBUTARY DRAINAGE AREA IS RESTORED. |
| ROCK CONST. ENTRANCE     | PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.                               | INSPECT REGULARLY. MAINTAIN AS NEEDED.                                   | PRIOR TO PAVING.                           |
| OUTLET SKIMMER STRUCTURE | AFTER POND GRADING IS COMPLETED.                                             | INSPECT REGULARLY. MAINTAIN AS NEEDED.                                   | PERMANENT.                                 |
| RIP-RAP & FILTER         | UPON COMPLETION OF POND GRADING, CONC. SWALE CONST. AND OUTLET INSTALLATION. | INSPECT & MAINTAIN AT LEAST ANNUALLY AND AFTER HEAVY RAINFALL EVENT.     | PERMANENT.                                 |
| DETENTION POND           | DURING EARTHWORK OPERATIONS.                                                 | AFTER HEAVY RAINFALL EVENTS. REMOVE SEDIMENTS AS NEEDED.                 | PERMANENT.                                 |
| SEED & MULCH             | AFTER POND GRADING IS COMPLETED.                                             | INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY | NO REMOVAL NECESSARY.                      |
| INLET PROTECTION         | UPON INLET CONSTRUCTING                                                      | WHEN 1/3 CAPACITY OF BMP IS REACHED                                      | AFTER TRIBUTARY AREAS ARE FULLY RESTORED   |

KEY NOTES

1. INSTALL & MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION. [ERO-1C / C13]
2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION. (TYP.) [ERO-4B / C13]
3. INSTALL TEMP ROCK ENTRANCE [ERO-4B / C13]
4. INSTALL EROSION CONTROL BLANKET & SEED WITHIN SWALE(S) AND WITHIN AREAS WITH A SLOPE OF 4:1 OR STEEPER. BLANKET TO BE "NATURAL NET ONLY" CATEGORY 3N PER MNDOT SPEC 3885 [ERO-2 / C13]
5. PLACE RIPRAP AT EMERGENCY OVERFLOW. INSTALL TURF REINFORCEMENT MAT PER MNDOT SPEC. 2575 TO NWL OF EX. POND.

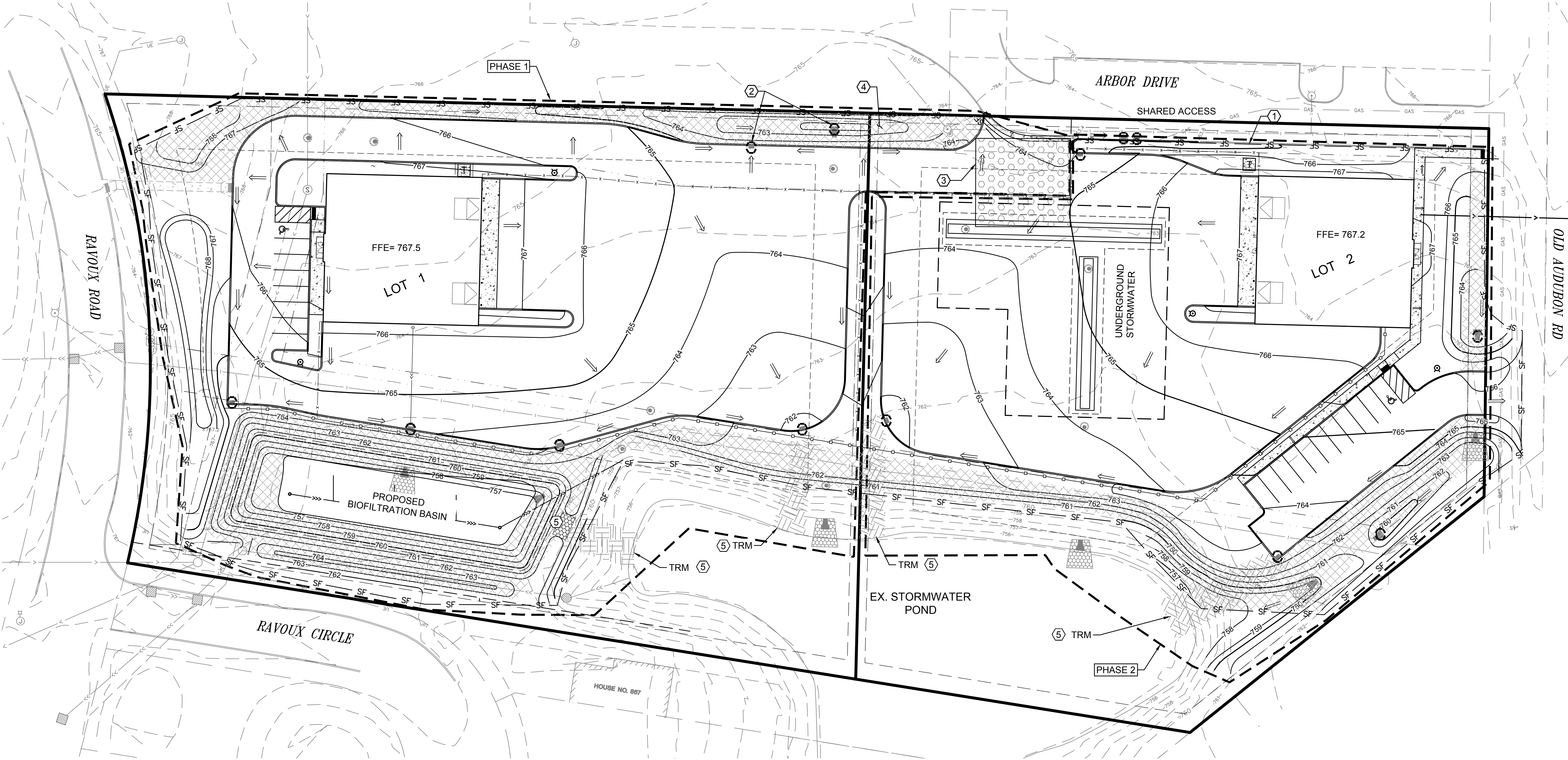
GENERAL NOTES

1. LOT 1 STAGING TO BE CONTAINED ON LOT 2. SEE SHEET [C8 - PHASE 1 CONSTRUCTION PLAN]
2. LOT 2 STAGING TO BE CONTAINED ON LOT 2. SEE SHEET [C9 - PHASE 2 CONSTRUCTION PLAN]



LEGEND

|     |       |     |                            |
|-----|-------|-----|----------------------------|
| --- | 966   | --- | PROPERTY LIMITS            |
| --- | 965   | --- | EXISTING MINOR CONTOUR     |
| --- | 966   | --- | EXISTING MAJOR CONTOUR     |
| --- | 965   | --- | PROPOSED MINOR CONTOUR     |
| --- | 965   | --- | PROPOSED MAJOR CONTOUR     |
| --- | 959.4 | --- | EXISTING SPOT ELEVATION    |
| ==> |       |     | DRAINAGE ARROW             |
| --- | SF    | --- | PROPOSED CONCRETE C&G      |
| --- |       | --- | SILT FENCE                 |
| --- |       | --- | INLET SEDIMENT PROTECTION  |
| --- |       | --- | ROCK CONSTRUCTION ENTRANCE |
| --- |       | --- | EROSION CONTROL BLANKET    |
| --- |       | --- | TURF REINFORCEMENT MAT     |



ANDERSON

13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](mailto:ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

CITATION CREEK  
DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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.

PRINT NAME: BRIAN J. FIELD, PE

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 57224

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| NO. | DATE    | DESCRIPTION OF REVISIONS |
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| 2   | 4-24-23 | WATERSHED REVISIONS      |
| 3   | 4-27-23 | CITY COMMENTS            |

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPR | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

DRAWING TITLE

EROSION &  
SEDIMENT  
CONTROL PLAN

DRAWING NO.

C7

|                     |                    |
|---------------------|--------------------|
| PLOTTED:<br>4/27/23 | COMM. NO.<br>15311 |
|---------------------|--------------------|





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13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](mailto:ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
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PRELIMINARY PLAT  
APRIL 27, 2023

DESIGNED: DRAWN: CHECKED BY:

DRAWING TITLE

PHASE 1  
CONSTRUCTION  
PLAN

DRAWING NO.

C8

PLOTTED:  
4/27/23

COMM. NO.  
15311

BIDDING NOTES

BASE BID:  
- CONSTRUCTION FOR PHASE 1 AS SHOWN ON  
SHEET C6 & C8.

BID ALTERNATE 1  
- NOT USED

BID ALTERNATE 2  
- CONSTRUCTION FOR PHASE 2 AS SHOWN ON  
SHEET C6 & C9.

BID ALTERNATE 3  
- NOT USED

BID ALTERNATE 4  
- NOT USED

BID ALTERNATE 5  
- NOT USED

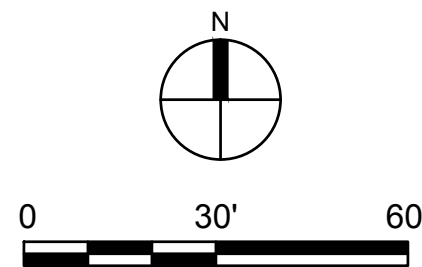
PHASE 1 CONSTRUCTION NOTES

PHASE 1 TO INCLUDE (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:

- DEMOLITION FOR LOTS 1 & 2 AS SEEN ON SHEET C4.
- MASS GRADE LOTS 1 & 2 (TO SUBGRADE HOLD DOWN ON LOT 2).
- EROSION CONTROL MEASURE FOR LOTS 1 & 2 AS SEEN ON SHEETS C7 AND C10-C11.
- NORTH ACCESS ROAD ON LOT 2 SERVING LOT 1 INCLUDING CONNECTION TO ARBOR DRIVE.
- PAD CORRECTIONS FOR LOTS 1 & 2 ARE TO BE GEOPIER SYSTEM (DELEGATED DESIGN).
- UTILITY INSTALL (SANITARY SEWER, WATER SERVICE, STORM SEWER, BIOFILTRATION BASIN) AS SHOWN ON PHASE 1 CONSTRUCTION PLAN. SUPPORT OF WATERMAIN AND SANITARY SEWER TO BE GEOPIER SYSTEM (DELEGATED DESIGN).
- TOPSOIL/SEED/MULCH AND TURF ESTABLISHMENT FOR LOT 2.
- LOT 1 FULL CONSTRUCTION PACKAGE TO INCLUDE UTILITY STRUCTURES, CONCRETE CURB & GUTTER, SIDEWALK, PEDESTRIAN RAMPS, PAVING, LANDSCAPE, ETC.

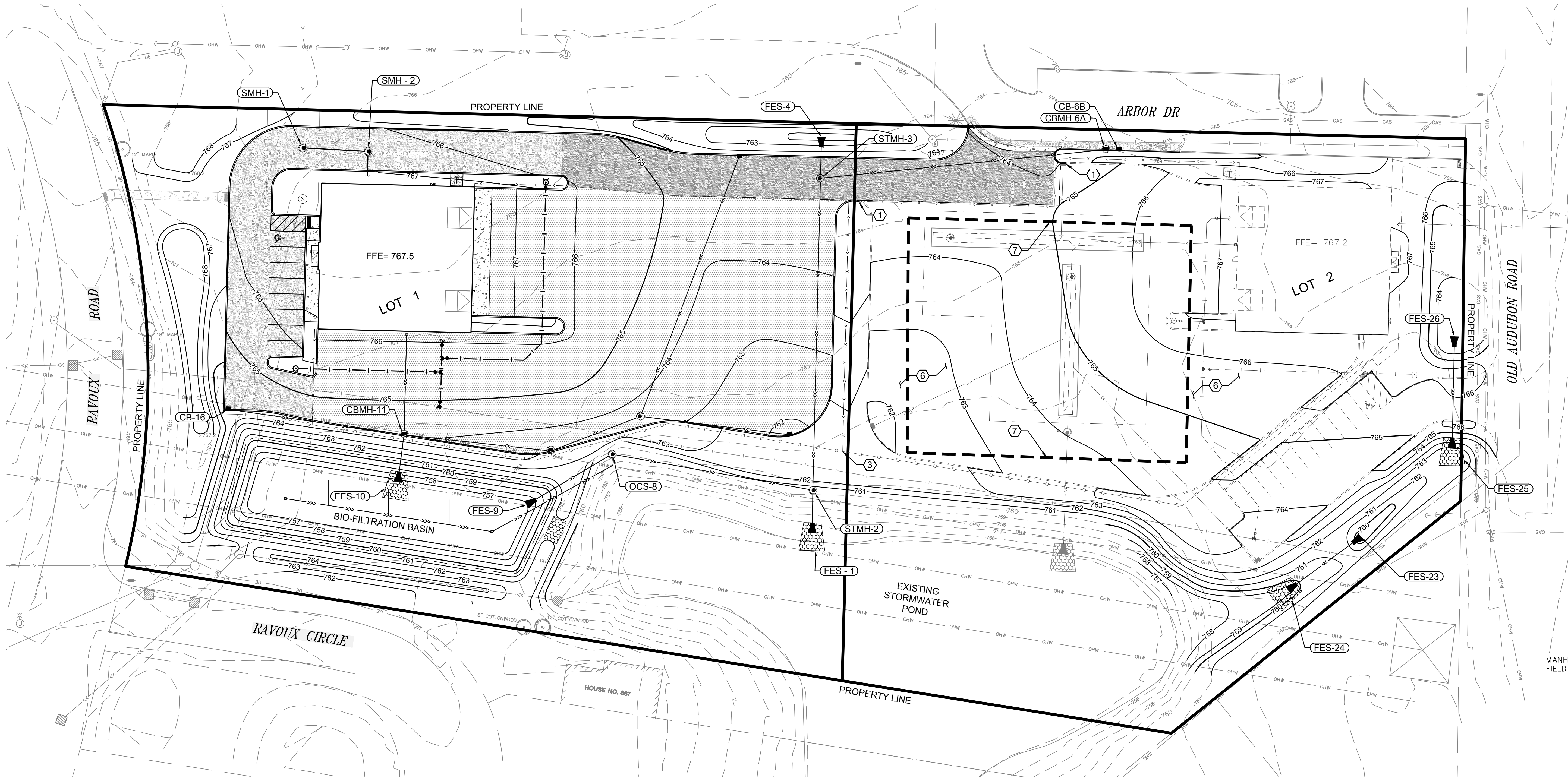
KEY NOTES

- 3' MIN. CONCRETE CURB & GUTTER TAPER TO FLUSH.
- NOT USED
- TERMINATE PRIVACY FENCING @ PROPERTY LINE.
- NOT USED.
- NOT USED.
- FUTURE DEVELOPMENT AREAS (LOT 2), TO BE RESTORED WITH 6" TOPSOIL, FERTILIZE SEED, & DISK ANCHORED STRAW MULCH PER MNDOT 3876, MNDOT 3881, AND MNDOT 3882. SEED WITH MNDOT MIX 22-112 @ 40 LB/AC. SEEDING TO BE IN ACCORDANCE WITH THE 2014 EDITION OF THE MNDOT SEEDING MANUAL.
- STAGE STORAGE AREA FOR LOT 1 CONSTRUCTION



LEGEND

|       |                         |
|-------|-------------------------|
| ---   | PROPERTY LIMITS         |
| - - - | EXISTING MINOR CONTOUR  |
| - - - | EXISTING MAJOR CONTOUR  |
| ---   | PROPOSED MINOR CONTOUR  |
| ---   | PROPOSED MAJOR CONTOUR  |
| ---   | PROPOSED CONCRETE C&G   |
| ---   | PRIVACY FENCE           |
| ---   | SECURITY FENCE          |
| ---   | PROPOSED SANITARY SEWER |
| ---   | PROPOSED STORM SEWER    |
| ---   | PROPOSED WATERMAIN      |





PHASE 2 CONSTRUCTION NOTES

PHASE 2 TO INCLUDE (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:

1. UTILITY INSTALL (WATER SERVICE, SANITARY SEWER CONNECTION, STORM SEWER) AS SHOWN ON PHASE 2 CONSTRUCTION PLAN.
2. LOT 2 FINE GRADING.
3. LOT 2 FULL CONSTRUCTION PACKAGE TO INCLUDE UTILITY STRUCTURES, CONCRETE CURB & GUTTER, SIDEWALK, PEDESTRIAN RAMPS, PAVING, LANDSCAPE, ETC.
4. UNDERGROUND STORM CHAMBER SYSTEM EXCAVATION, UNDERDRAIN INSTALLATION, AND STORM SEWER CONNECTIONS . ROCK WALL AND CONCRETE CAP INSTALLATION TO BE PERFORMED BY OTHERS.
5. REMOVAL & REPLACEMENT OF EXISTING PAVEMENT WITHIN OLD AUDUBON ROAD.
6. LOT 2 FULL CONSTRUCTION PACKAGE TO INCLUDE UTILITY STRUCTURES, CONCRETE CURB & GUTTER, SIDEWALK, PEDESTRIAN RAMPS, PAVING, LANDSCAPE, ETC.

KEY NOTES

- ① PHASE 1 CONSTRUCTION SCOPE
- ② MATCH EXISTING PAVEMENT LINE. SEE SHEET C13 FOR PAVEMENT SECTIONS.
- ③ CONCRETE SIDEWALK AND PEDESTRIAN RAMP CONNECTION TO OLD AUDUBON ROAD. RESTORATION PER C2.
- ④ REMOVE AND REPLACE OLD AUDUBON PAVEMENT IN-KIND FOUR SANITARY SEWER INSTALLATION.
- ⑤ STAGE STORAGE FOR LOT 2 CONSTRUCTION.

PHASE 3 CONSTRUCTION NOTES

PHASE 3 TO INCLUDE (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:

1. UTILITY INSTALL (WATER SERVICE, SANITARY SEWER CONNECTION, STORM SEWER) AS SHOWN ON PHASE 3 CONSTRUCTION PLAN.
2. OVER EXCAVATION OF UNSUITABLE MATERIAL WITHIN SANITARY SEWER TRENCH AND IN ACCORDANCE WITH GEOTECHNICAL REPORT(S).
3. WATERMAIN JOINTS BE TO EX-TEND EXPANSIONS JOINTS OR APPROVED EQUAL.
4. LOT 3 FINE GRADING.
5. ADJUST STORM SEWER TO FINISHED GRADE

LEGEND

|  |                         |
|--|-------------------------|
|  | PROPERTY LIMITS         |
|  | PROPOSED CONCRETE C&G   |
|  | PRIVACY FENCE           |
|  | SECURITY FENCE          |
|  | PROPOSED SANITARY SEWER |
|  | PROPOSED STORM SEWER    |
|  | PROPOSED WATERMAIN      |



ANDERSON

13605 1st Avenue N. #100  
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PRELIMINARY PLAT  
APRIL 27, 2023

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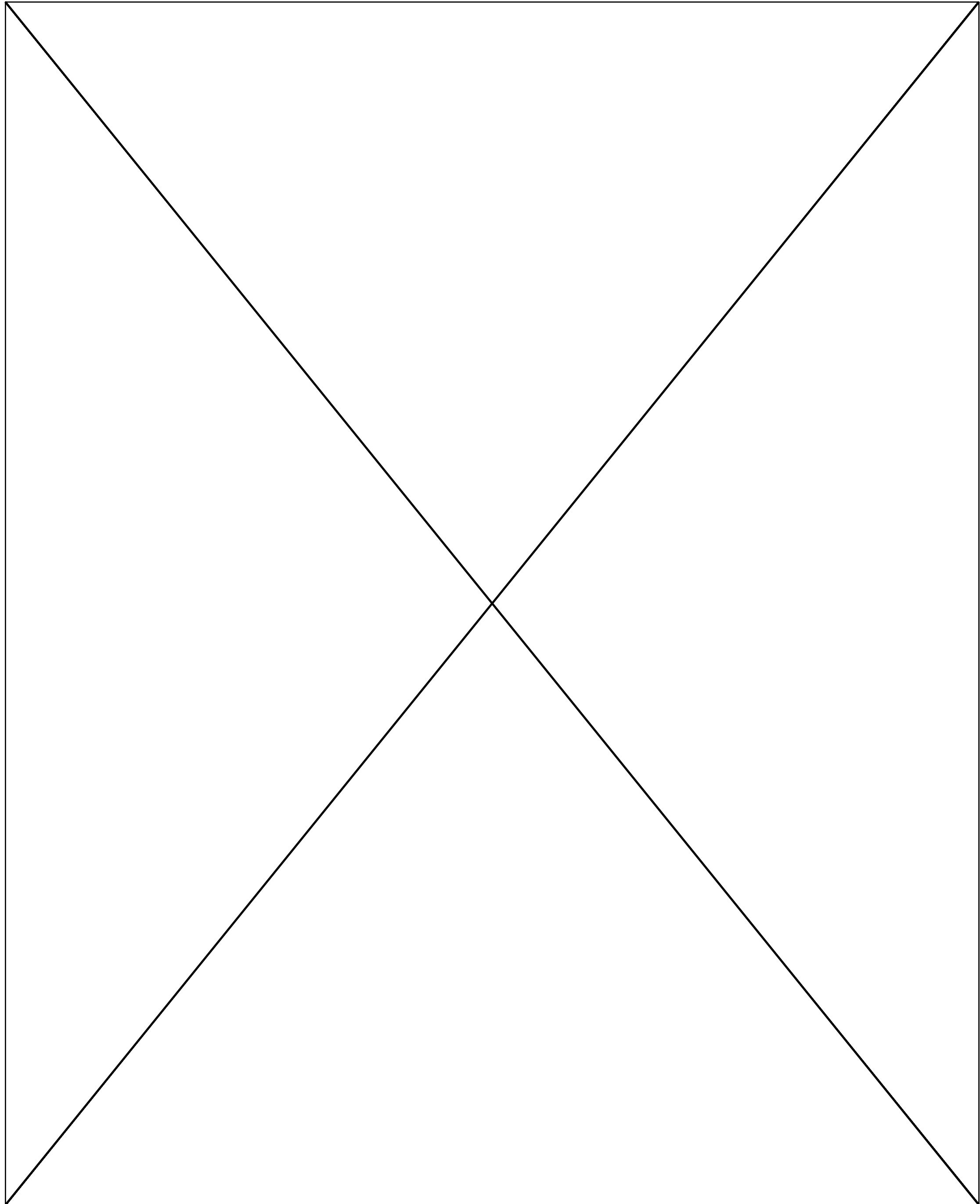
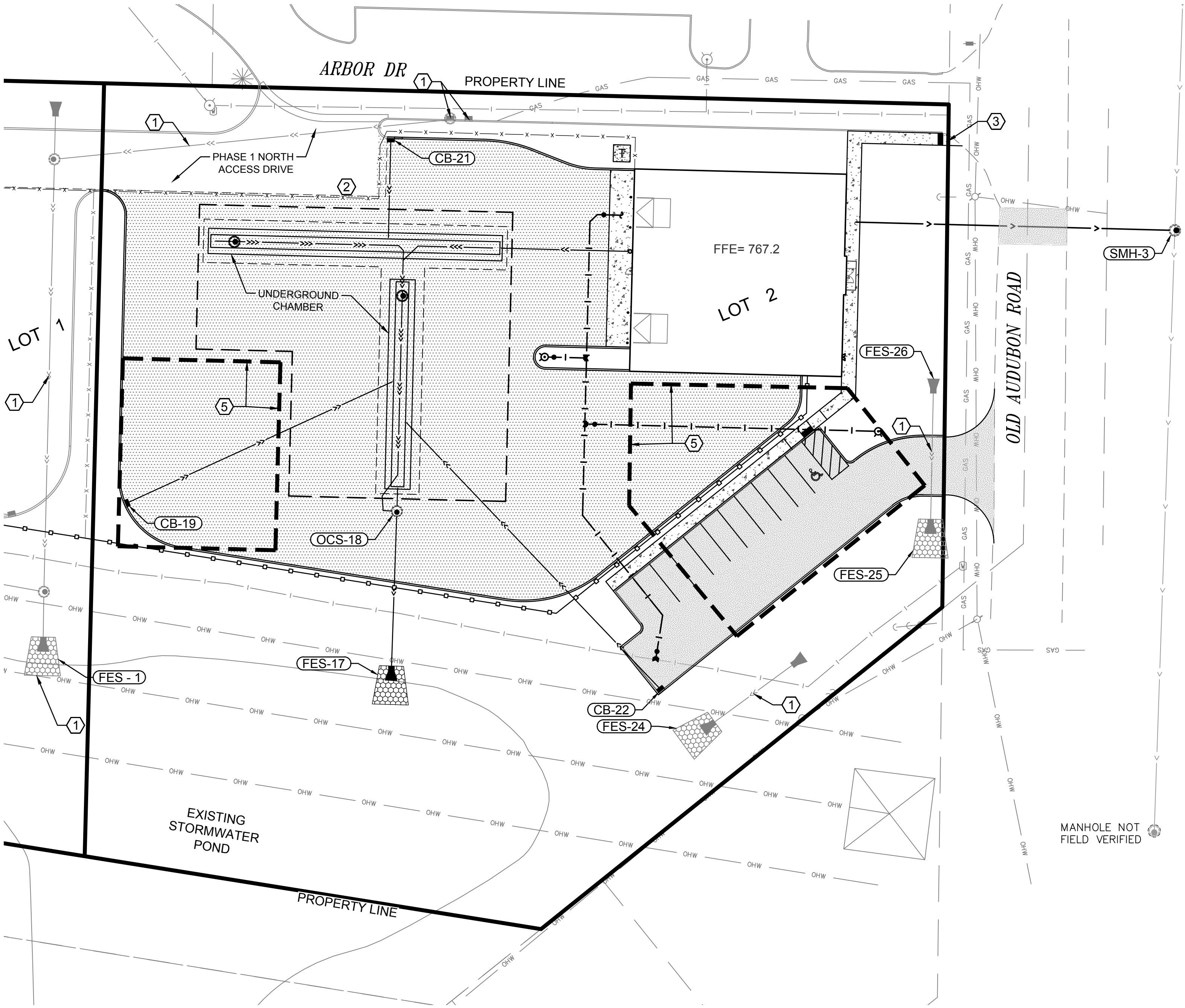
PHASE 2  
CONSTRUCTION  
PLAN

DRAWING NO.

C9

PLOTTED:  
4/27/23

COMM. NO.  
15311



① PHASE 2 CONSTRUCTION PLAN  
SCALE: 1" = 30'

② PHASE 3 - CONSTRUCTION







Apr 27, 2023 - 1:48pm  
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Y:\15300\15311 HTG-STRUCTURES INC-CHASKA MN\000 Structures Lot Split 2022\07 Civil\01 CAD files\04 Construction Documents\01 SHEETS\15311\_C\_SWPPP.dwg

ALL AREAS DISTURBED BY CONSTRUCTION WILL RECEIVE SEED OR SOD ACCORDING TO THE PLANS AND SPECIFICATIONS AND WITHIN THE SPECIFIED VEGETATIVE TIME SCHEDULE. FINAL STABILIZATION WILL OCCUR WHEN THE SITE HAS A UNIFORM VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE ENTIRE DISTURBED AREA COMPARED TO EXISTING CONDITIONS. ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPs MUST BE REMOVED AS PART OF THE SITE FINAL STABILIZATION. ALL SEDIMENT MUST BE CLEANED OUT OF CONVEYANCES AND TEMPORARY SEDIMENTATION BASINS IF APPLICABLE.

1. INITIATE INLET STABILIZATION IMMEDIATELY WHEN CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE. COMPLETE STABILIZATION WITHIN THE TIME FRAME LISTED. IN MANY INSTANCES THIS WILL REQUIRE STABILIZATION TO OCCUR MORE THAN ONCE DURING THE COURSE OF THE PROJECT. TEMPORARY SOIL STOCKPILES WITHOUT SIGNIFICANT CLAY OR SILT AND STOCKPILED AND CONSTRUCTED ROAD BASE ARE NOT APPROPRIATE AND THEREFORE EXEMPT FROM THE STABILIZATION REQUIREMENT.
2. APPLICATION OF MULCH, HYDROMULCH, TACKIFIER AND POLYACRYLAMIDE ARE NOT ACCEPTABLE STABILIZATION METHODS IN THESE AREAS.
3. STABILIZE ALL AREAS OF THE SITE PRIOR TO THE ONSET OF WINTER, ANY WORK STILL BEING PERFORMED WILL BE SNOW MULCHED, SEEDED, AND BLANKETED WITHIN THE TIME FRAMES IN THE NPDES PERMIT.
4. TOPSOIL BERMS MUST BE STABILIZED IN ORDER TO BE CONSIDERED PERIMETER CONTROL BMPs. USE RAPID STABILIZATION METHOD 2, 3, OR 4 AS DIRECTED BY THE ENGINEER. THE SEED MIX USED IN THE RAPID STABILIZATION MAY BE SUBSTITUTED AS FOLLOWS:
  - A. SINGLE YEAR CONSTRUCTION BETWEEN MAY 1 - AUGUST 1, SEED WITH SEED MIXTURE 21-111
  - B. SINGLE YEAR CONSTRUCTION BETWEEN AUGUST 1 AND OCTOBER 31, SEED WITH SEED MIXTURE 21-112
  - C. MULTI YEAR CONSTRUCTION 22-111
5. KEEP DITCHES AND EXPOSED SOILS IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES, HYDROMULCHES AND BLANKETS.

- CONTRACTOR SHALL AMEND THE SWPPP AND DOCUMENT ANY AND ALL CHANGES TO THE SWPPP AND ASSOCIATED PLAN SHEETS WITHIN 7 DAYS UPON IMPLEMENTATION. STORE THE SWPPP AND ALL AMENDMENTS ON SITE AT ALL TIMES.
2. PREPARE AND SUBMIT A SITE MANAGEMENT PLAN FOR THE ENGINEER'S ACCEPTANCE FOR CONCRETE MANAGEMENT, CONCRETE SLURRY APPLICATION AREAS, WORK IN AND NEAR AREAS OF ENVIRONMENTAL SENSITIVITY, AREAS IDENTIFIED IN THE PLANS AS "SITE MANAGEMENT PLAN AREA", ANY WORK THAT WILL REQUIRE DEWATERING, AND AS REQUESTED BY THE ENGINEER. SUBMIT ALL SITE MANAGEMENT PLANS TO THE ENGINEER IN WRITING. ALLOW ALL MINIMUM OF 7 DAYS FOR THE ENGINEER TO REVIEW AND ACCEPT SITE MANAGEMENT PLAN SUBMITTALS. WORK WILL NOT BE ALLOWED TO COMMENCE IF A SITE MANAGEMENT PLAN IS REQUIRED UNTIL ACCEPTANCE HAS BEEN GRANTED BY THE ENGINEER. THERE WILL BE NO EXTRA TIME ADDED TO THE CONTRACT DUE TO THE UNTIMELY SUBMITTAL.
3. IT IS THE DESIGNER'S INTENT THAT THE CONTRACTOR BUILD PONDS AND INSTALL EROSION CONTROL BMPs BEFORE PUTTING THEM INTO ACTIVE SERVICE TO THE MAXIMUM EXTENT PRACTICABLE.
4. BURNING OF ANY MATERIAL IS NOT ALLOWED WITHIN PROJECT BOUNDARY.
5. DO NOT DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS. DELINEATE AREAS NOT TO BE DISTURBED PRIOR TO STARTING GROUND DISTURBING ACTIVITIES. IF IT BECOMES NECESSARY TO DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS OBTAIN WRITTEN PERMISSION FROM THE PROJECT ENGINEER PRIOR TO PROCEEDING. PRESERVE ALL NATURAL BUFFERS SHOWN ON THE PLANS.
6. ROUT STORMWATER AROUND UNSTABILIZED AREAS OF THE SITE WHENEVER FEASIBLE. PROVIDE EROSION CONTROL AND VELOCITY DISSIPATION DEVICES AS NEEDED TO KEEP CHANNELS FROM ERODING AND TO PREVENT NUISANCE CONDITIONS AT THE OUTLET.
7. DIRECT DISCHARGES FROM BMPs TO VEGETATED AREA WHENEVER FEASIBLE. PROVIDE VELOCITY DISSIPATION DEVICES AS NEEDED TO PREVENT EROSION.
8. THE EROSION PREVENTION AND SEDIMENT CONTROL BMPs SHALL BE PLACED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND TO CAPTURE SEDIMENT ON SITE. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY REMOVAL WORK AND/OR GROUND DISTURBING ACTIVITIES COMMENCE.
9. ESTABLISH SEDIMENT CONTROL DEVICES ON ALL DOWN GRADIENT PERIMETERS AND UP GRADIENT OF ANY BUFFER ZONES BEFORE AND UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN. MAINTAIN SEDIMENT CONTROL DEVICES UNTIL CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
10. LOCATE PERIMETER CONTROL ON THE CONTOUR TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS DOWN GRADIENT OF ALL EXPOSED SOILS AND PRIOR TO DISCHARGING TO SURFACE WATERS. PLACE J-HOOKS AT A MAXIMUM OF 100 FOOT INTERVALS.
11. PROVIDE PERIMETER CONTROL AROUND ALL STOCKPILES. PLACE BMP A MINIMUM 5 FEET FROM THE TOE OF SLOPE WHERE FEASIBLE. DO NOT PLACE STOCKPILES IN NATURAL BUFFER AREAS, SURFACE WATERS OR STORMWATER CONVEYANCES.
12. FLOATING SILT CURTAIN IS ALLOWED AS PERIMETER CONTROL FOR IN WATER WORK ONLY. INSTALL THE FLOATING SILT CURTAIN AS CLOSE TO SHORE AS POSSIBLE. PLACE PERIMETER CONTROL BMP ON LAND IMMEDIATELY AFTER THE IN WATER WORK IS COMPLETED.
13. DITCH CHECKS WILL BE PLACED AS INDICATED ON THE PLANS DURING ALL PHASES OF CONSTRUCTION.
14. PLACE CONSTRUCTION EXITS, AS NECESSARY, TO PREVENT TRACKING OF SEDIMENT ONTO PAVED SURFACES BOTH ON AND OFF THE PROJECT SITE. PROVIDE CONSTRUCTION EXITS OF SUFFICIENT SIZE TO PREVENT TRACK OUT. MAINTAIN CONSTRUCTION EXITS WHEN EVIDENCE OF TRACKING IS DISCOVERED. REGULAR STREET SWEEPING IS NOT AN

15. DISCHARGE TURBID OR SEDIMENT LADEN WATER TO TEMPORARY SEDIMENT BASINS WHENEVER FEASIBLE. IN THE EVENT THAT IT IS NOT FEASIBLE TO DISCHARGE THE SEDIMENT LADEN WATER TO A TEMPORARY SEDIMENT BASIN, THE WATER MUST BE TREATED SO THAT IT DOES NOT CAUSE A NUISANCE CONDITION IN THE RECEIVING WATERS OR TO DOWNSTREAM LANDOWNERS. CLEAN OUT ALL PERMANENT STORMWATER BASINS REGARDLESS OF WHETHER USED AS TEMPORARY SEDIMENT BASINS OR TEMPORARY SEDIMENT TRAPS TO THE DESIGN CAPACITY AFTER ALL UP GRADIENT LAND DISTURBING ACTIVITY IS COMPLETED.
16. PROVIDE SCOUR PROTECTION AT ANY OUTFALL OF DEWATERING ACTIVITIES.
17. PROVIDE STABILIZATION IN ANY TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.

3. PROVIDE A SPILL KIT AT EACH WORK LOCATION ON THE SITE.
2. STORE ALL BUILDING MATERIALS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS, PESTICIDES, HERBICIDES, INSECTICIDES, FERTILIZERS, TREATMENT CHEMICALS, AND LANDSCAPE MATERIALS UNDER COVER WITH SECONDARY CONTAINMENT.
3. PROVIDE A SECURE STORAGE AREA WITH RESTRICTED ACCESS FOR ALL HAZARDOUS MATERIALS AND TOXIC WASTE. RETURN ALL HAZARDOUS MATERIALS AND TOXIC WASTE TO THE DESIGNATED STORAGE AREA AT THE END OF THE BUSINESS DAY UNLESS INFEASIBLE. STORE ALL HAZARDOUS MATERIALS AND TOXIC WASTE (INCLUDING BUT NOT LIMITED TO OIL DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT, PETROLEUM BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) IN SEALED CONTAINERS WITH SECONDARY CONTAINMENT. CLEAN UP SPILLS IMMEDIATELY.
4. STORE, COLLECT AND DISPOSE OF ALL SOLID WASTE.
5. POSITION ALL PORTABLE TOILETS SO THAT THEY ARE SECURE AND CANNOT BE TIPPED OR KNOCKED OVER. PROPERLY DISPOSE OF ALL SANITARY WASTE.
6. FUEL AND MAINTAIN VEHICLES IN A DESIGNATED CONTAINED AREA WHENEVER FEASIBLE. USE DRIP PANS OR ABSORBENT MATERIALS TO PREVENT SPILLS OR LEAKED CHEMICALS FORM DISCHARGING TO SURFACE WATER OR STORMWATER CONVEYANCES. PROVIDE A SPILL KIT AT EACH LOCATION THAT VEHICLES AND EQUIPMENT ARE FUELED OR MAINTAINED AT.
7. LIMIT VEHICLE AND EQUIPMENT WASHING TO A DEFINED AREA OF THE SITE. CONTAIN RUNOFF FROM THE WASHING AREA TO A TEMPORARY SEDIMENT BASIN OR OTHER EFFECTIVE CONTROL. PROPERLY DISPOSE OF ALL WASTE GENERATED BY VEHICLE AND EQUIPMENT WASHING. ENGINE DEGREASING IS NOT ALLOWED ON THE SITE.
8. PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS. LIQUID AND SOLID WASHOUT WASTES MUST NOT CONTACT THE GROUND. DESIGN THE CONTAINMENT SO THAT IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR CONTAINMENT AREA.
9. CREATE AND FOLLOW A WRITTEN DISPOSAL PLAN FOR ALL WASTE MATERIALS. INCLUDE IN THE PLAN HOW THE MATERIAL WILL BE DISPOSED OF AND THE LOCATION OF THE DISPOSAL SITE. SUBMIT PLAN TO THE ENGINEER.
10. USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT DISCHARGE OR PLACEMENT OF BITUMINOUS GRINDINGS, CUTTING, MILLINGS, AND OTHER BITUMINOUS WASTES FROM AREAS OF EXISTING OR FUTURE VEGETATED SOILS AND FROM ALL WATER CONVEYANCE SYSTEMS, INCLUDING INLETS, DITCHES AND CURB FLOW LINES.
11. USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT CONCRETE DUST, PARTICLES, CONCRETE WASH OUT, AND OTHER CONCRETE WASTES FROM LEAVING SITE, DEPOSITING IN EXISTING OR FUTURE VEGETATED AREAS, AND FROM ENTERING STORMWATER CONVEYANCE SYSTEMS, INCLUDING INLETS, DITCHES AND CURB FLOW LINES.
- USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT SAW CUT SLURRY AND PLANING WASTE FROM LEAVING SITE AND FROM ENTERING STORMWATER CONVEYANCE SYSTEMS INCLUDING DITCHES AND CULVERTS.

THE SWPPP, ALL CHANGES TO IT AND INSPECTION AND MAINTENANCE RECORDS MUST BE KEPT ON-SITE DURING CONSTRUCTION. THE OWNER MUST RETAIN A COPY OF THE SWPPP ALONG WITH THE FOLLOWING RECORDS FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION (NOT).

1. ANY OTHER PERMITS REQUIRED FOR THE PROJECT.
2. RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION
3. ALL PERMANENT OPERATIONS AND MAINTENANCE AGREEMENT THAT HAVE BEEN IMPLEMENTED INCLUDING ALL RIGHT OF WAY, CONTRACTS, COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE; AND
4. ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

| ITEM                     | INSTALLATION                                                                 | INSPECTION & MAINTENANCE                                                 | REMOVAL                                    |
|--------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------|
| SILT FENCE               | PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.                               | INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED. | AFTER TRIBUTARY DRAINAGE AREA IS RESTORED. |
| ROCK CONST. ENTRANCE     | PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.                               | INSPECT REGULARLY. MAINTAIN AS NEEDED.                                   | PRIOR TO PAVING.                           |
| OUTLET SKIMMER STRUCTURE | AFTER POND GRADING IS COMPLETED.                                             | INSPECT REGULARLY. MAINTAIN AS NEEDED.                                   | PERMANENT.                                 |
| RIP-RAP & FILTER         | UPON COMPLETION OF POND GRADING, CONC. SWALE CONST. AND OUTLET INSTALLATION. | INSPECT & MAINTAIN AT LEAST ANNUALLY AND AFTER HEAVY RAINFALL EVENT.     | PERMANENT.                                 |
| DETENTION POND           | DURING EARTHWORK OPERATIONS.                                                 | AFTER HEAVY RAINFALL EVENTS. REMOVE SEDIMENTS AS NEEDED.                 | PERMANENT.                                 |
| SEED & MULCH             | AFTER POND GRADING IS COMPLETED.                                             | INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY | NO REMOVAL NECESSARY.                      |
| INLET PROTECTION         | UPON INLET CONSTRUCTING                                                      | WHEN 1/3 CAPACITY OF BMP IS REACHED                                      | AFTER TRIBUTARY AREAS ARE FULLY RESTORED   |

## Page 349 of 404





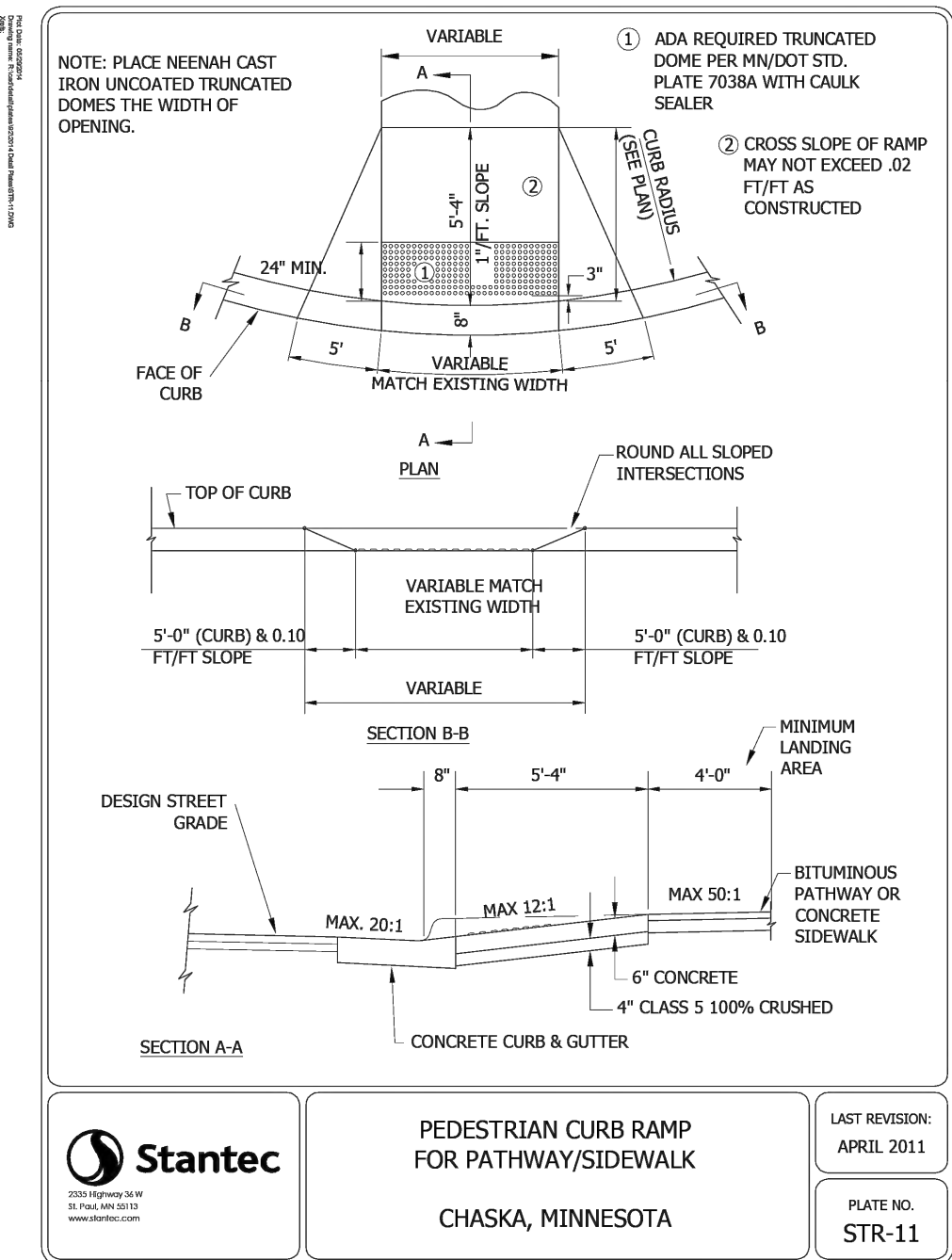
# CITATION CREEK DEVELOPMENT

STRUCTURES INC.

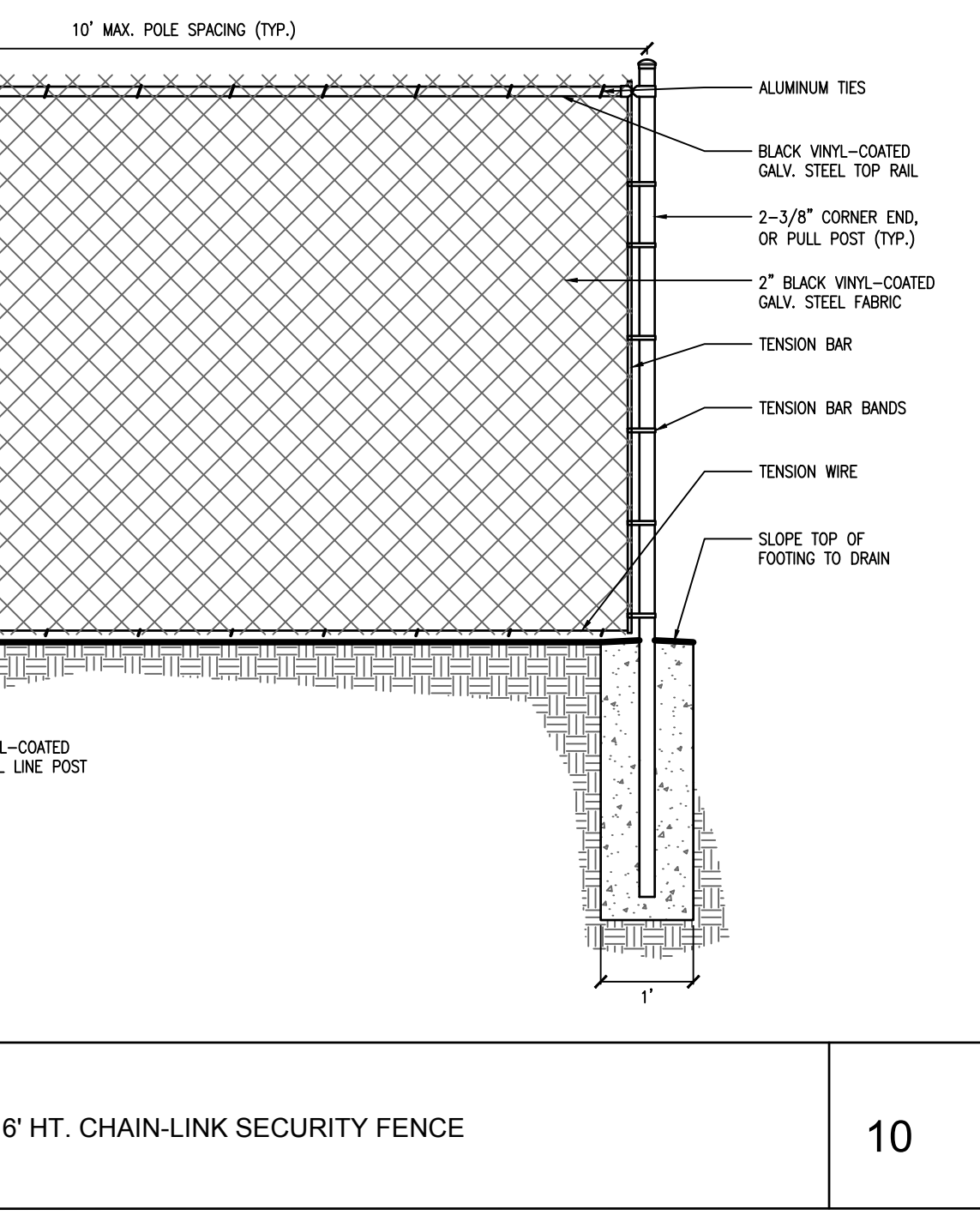
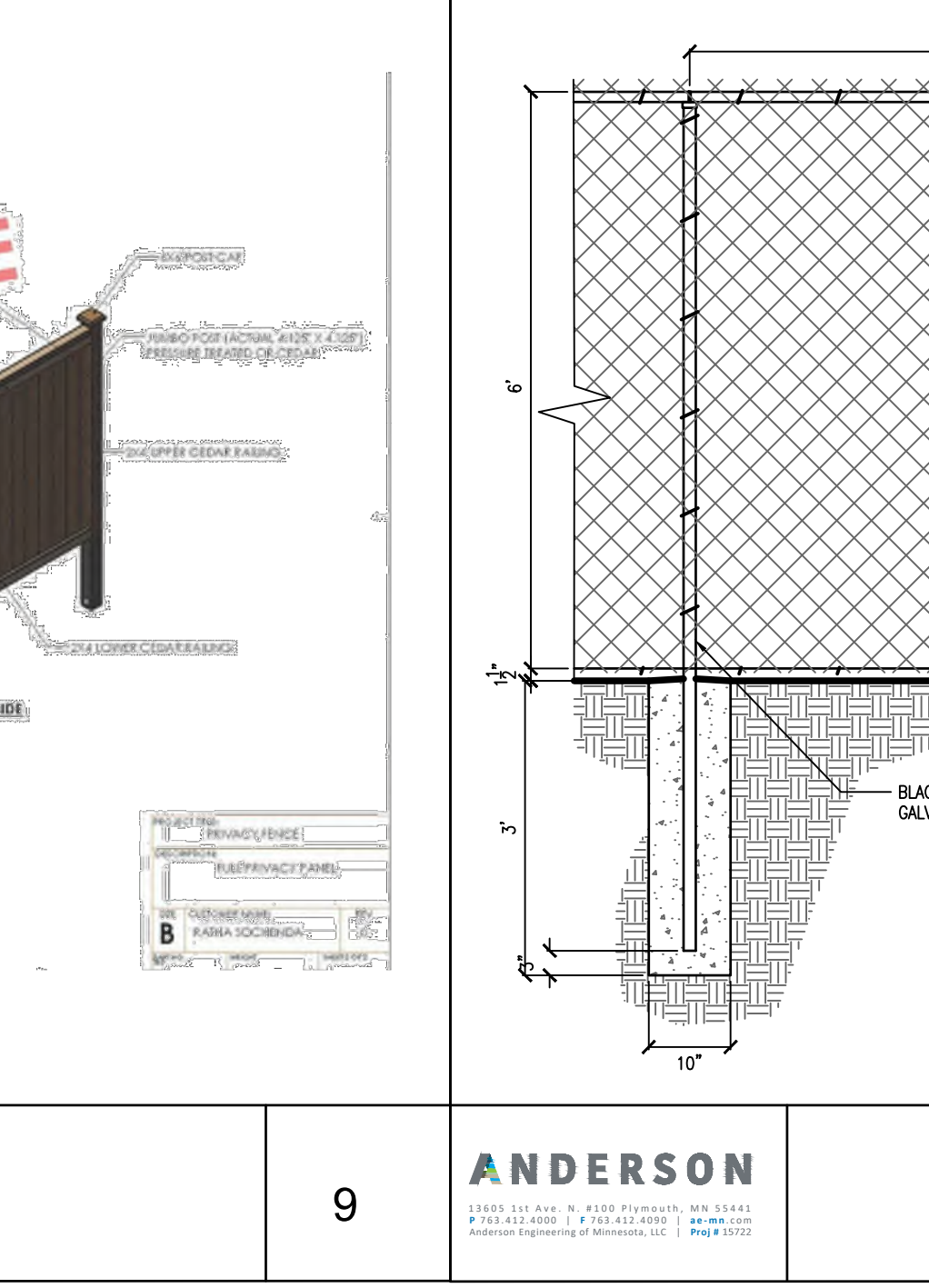
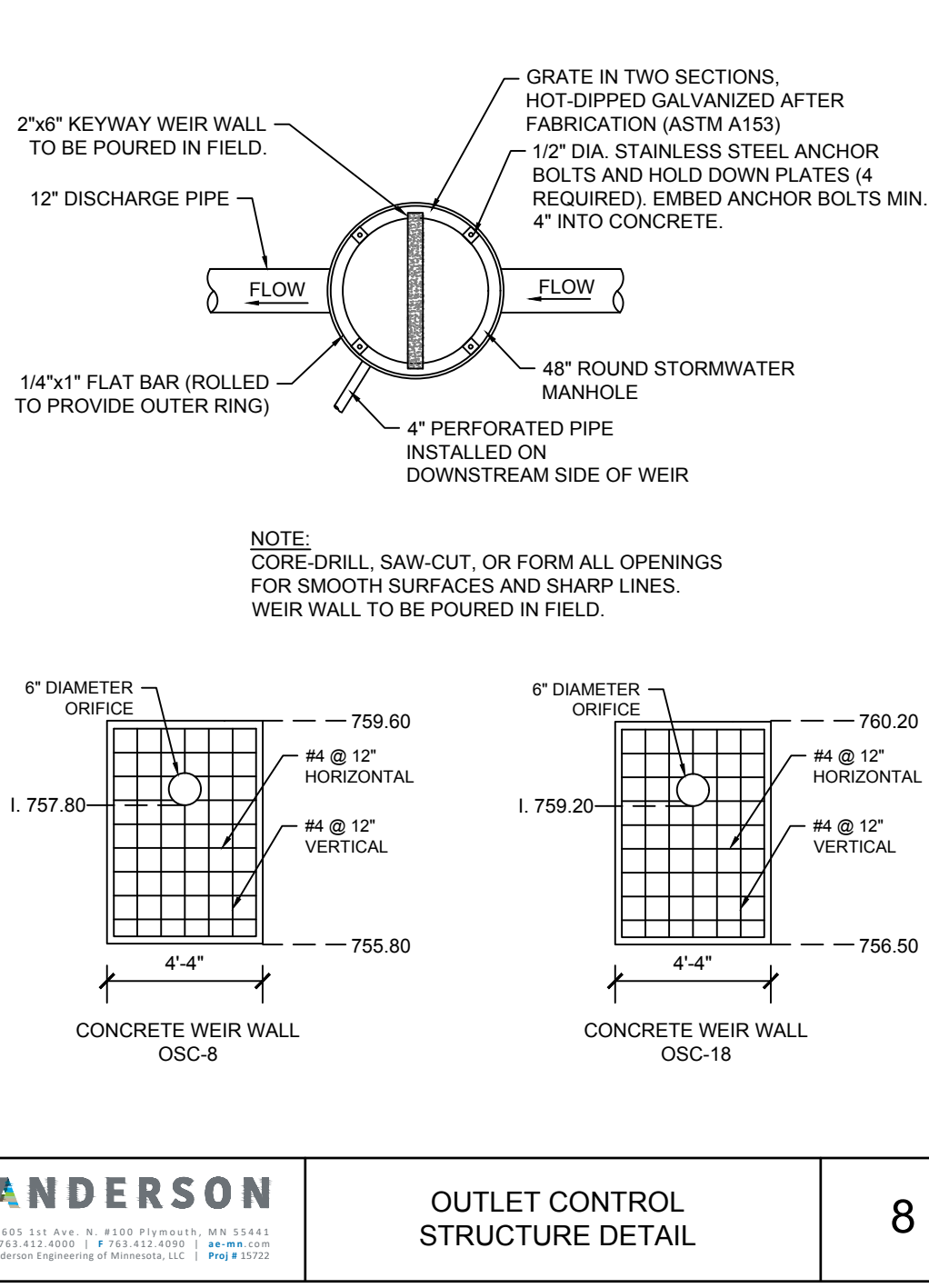
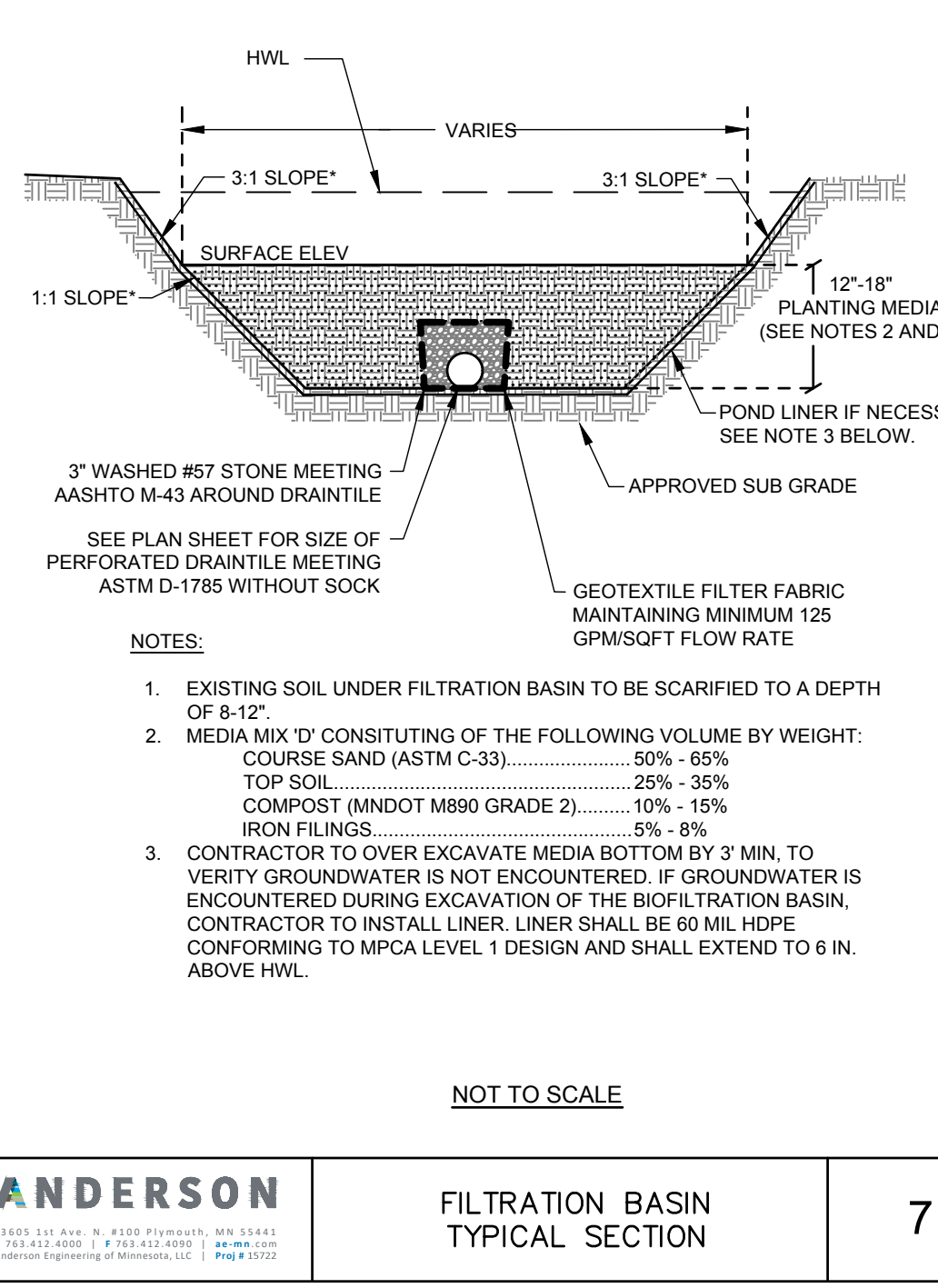
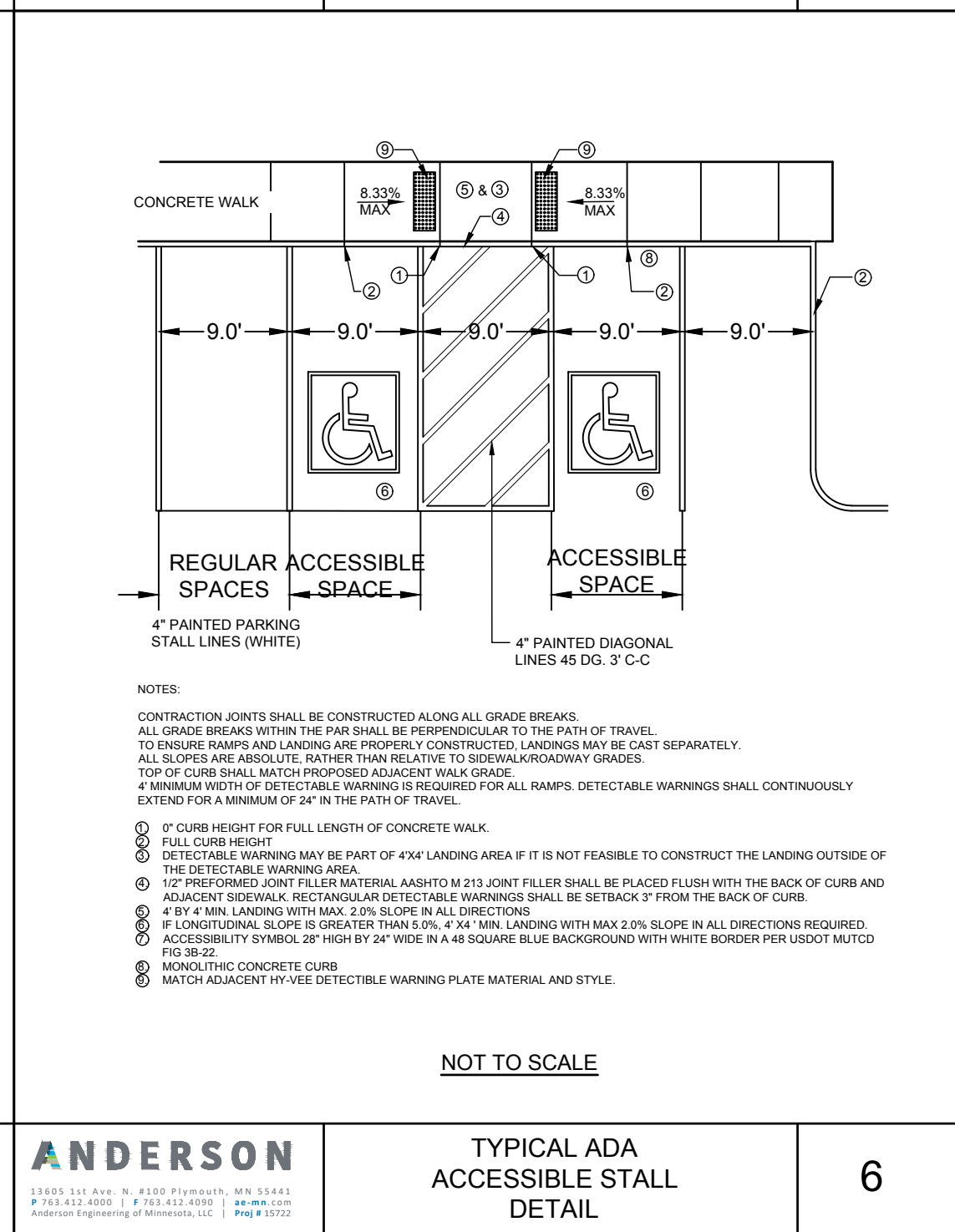
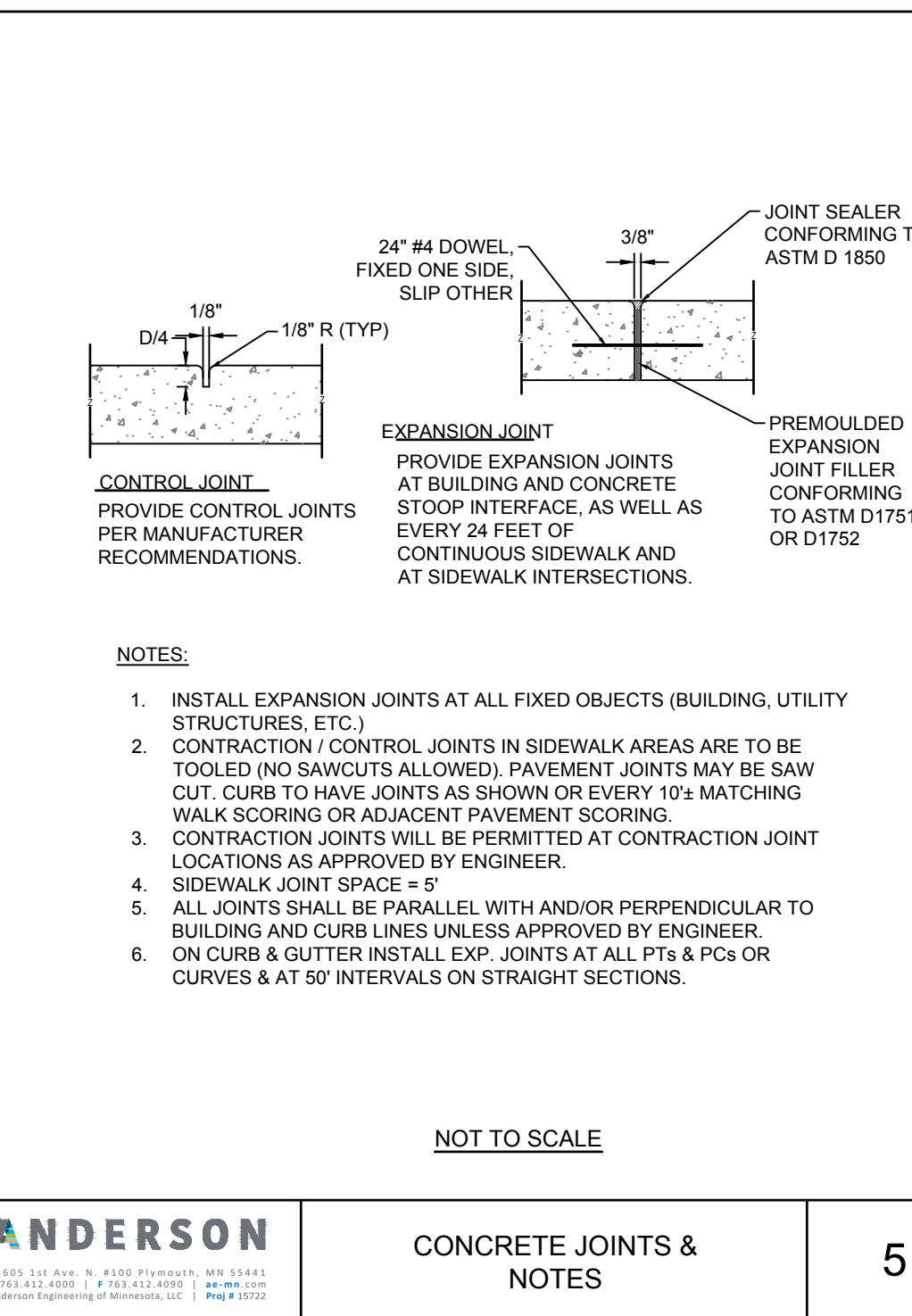
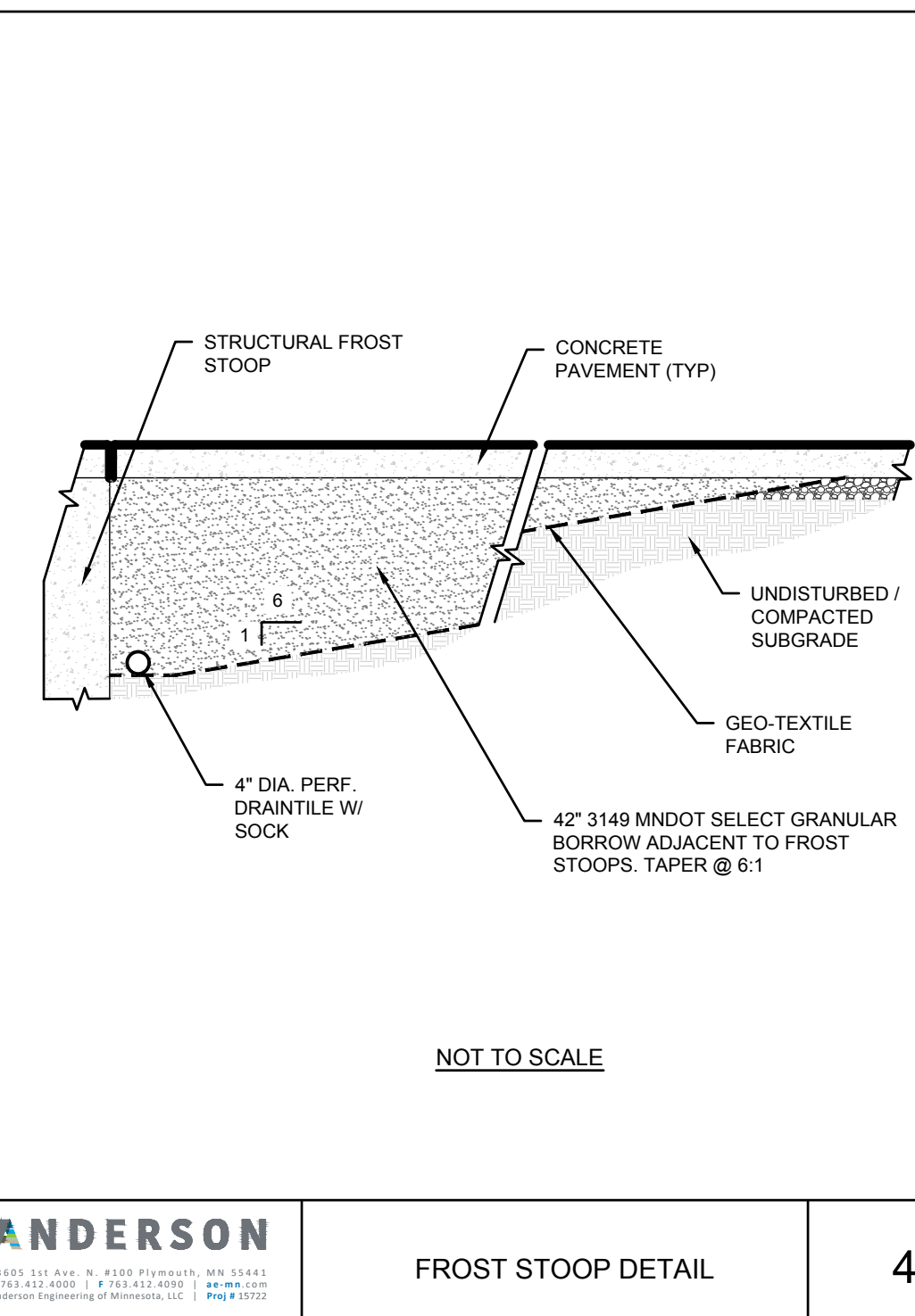
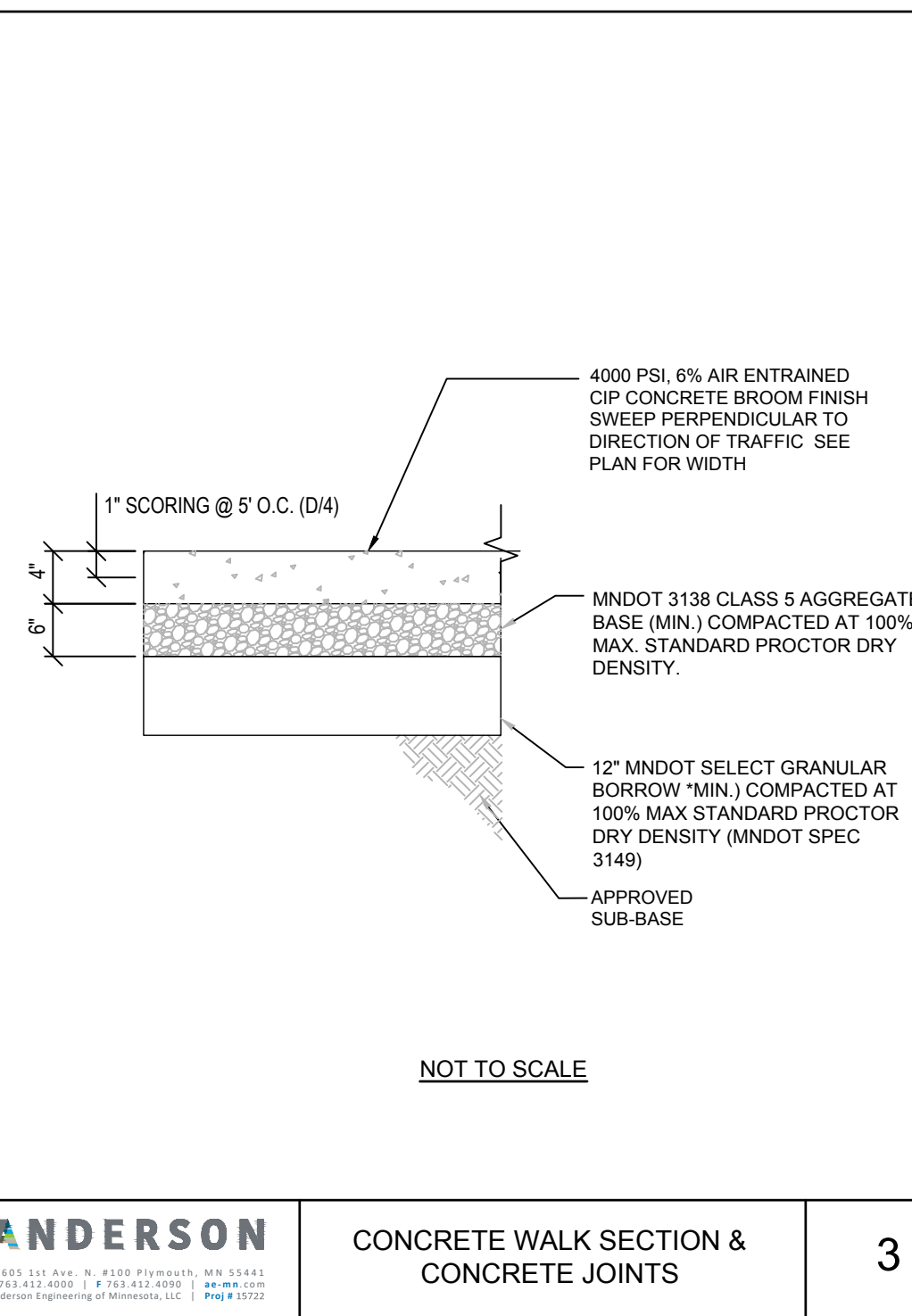
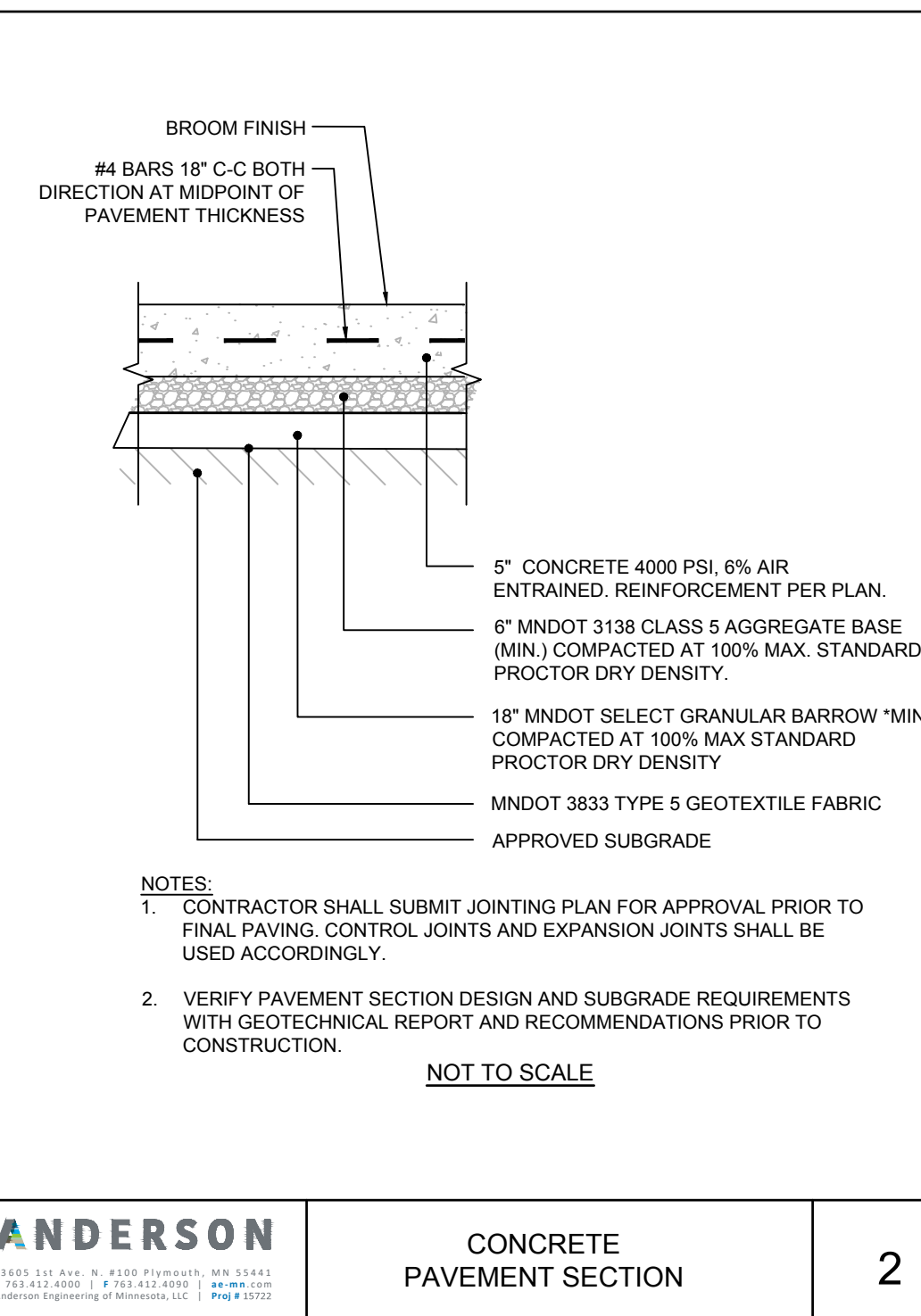
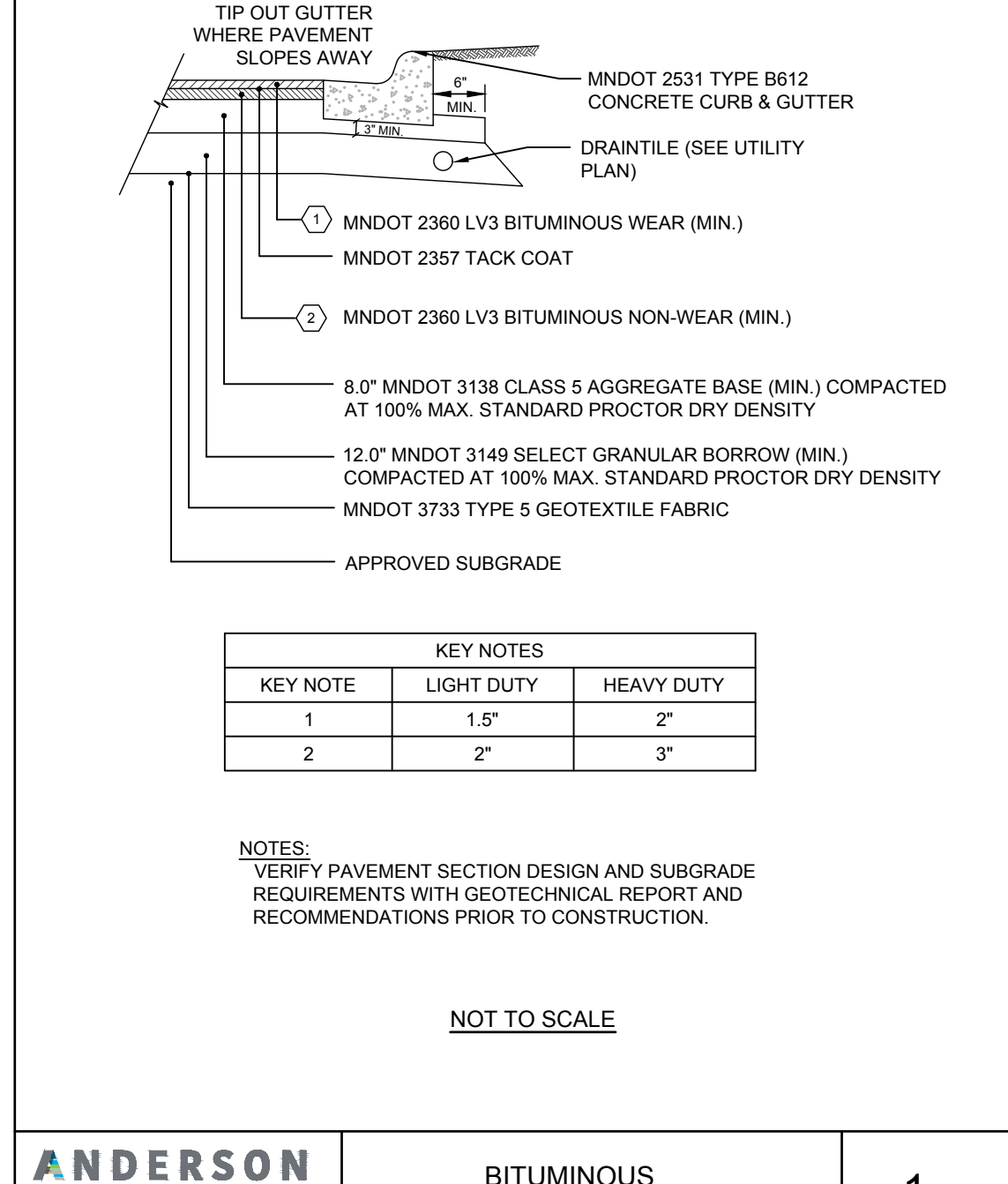
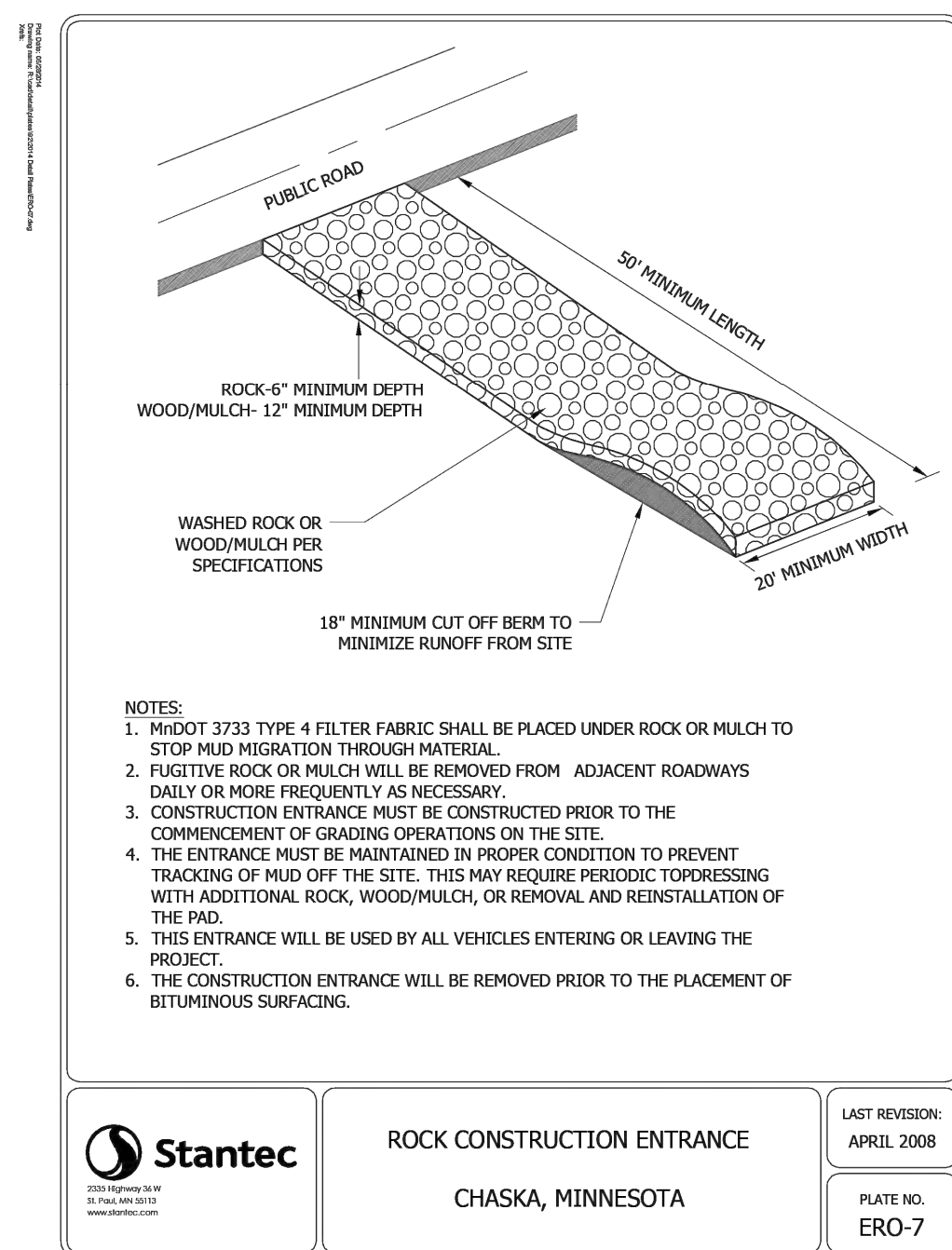
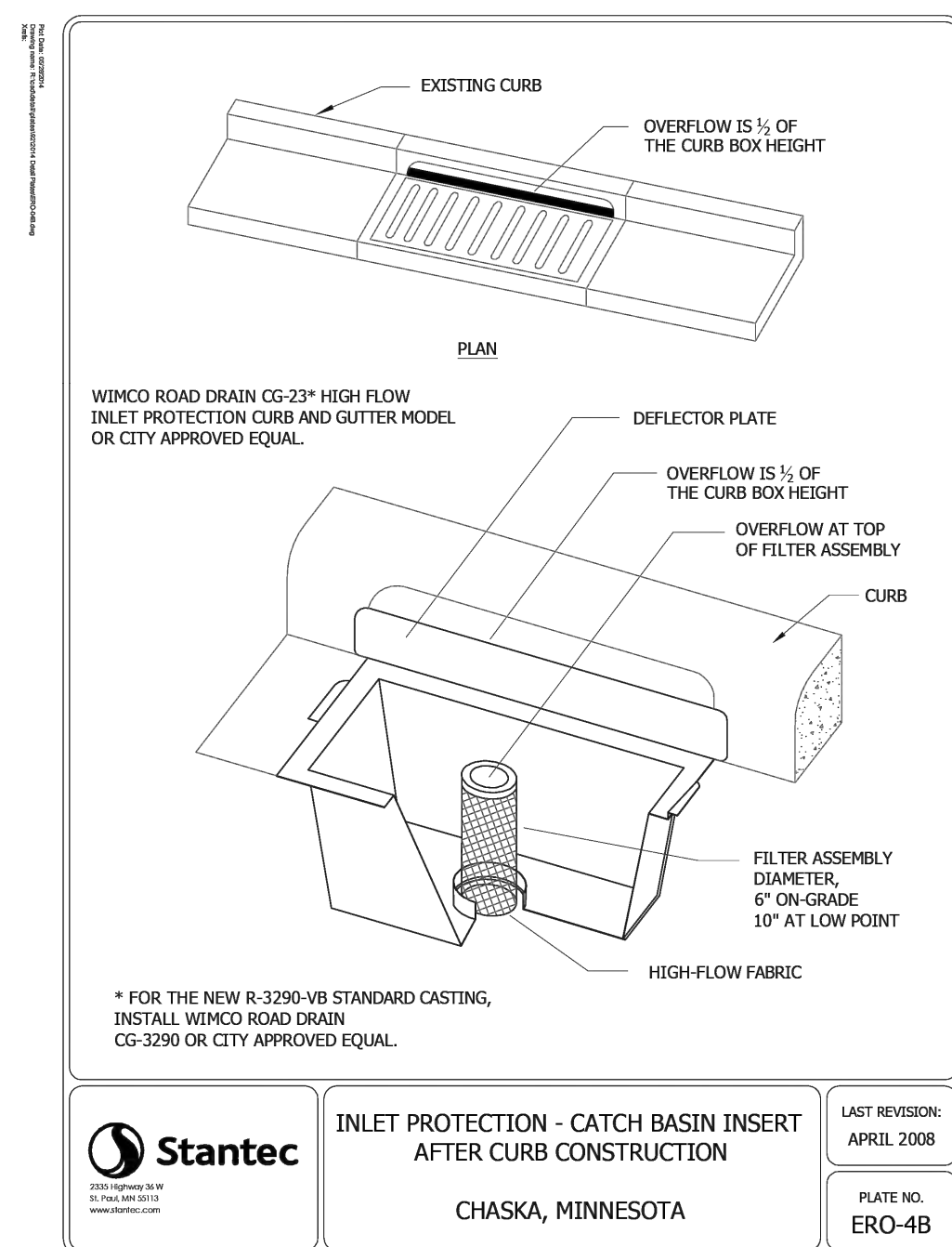
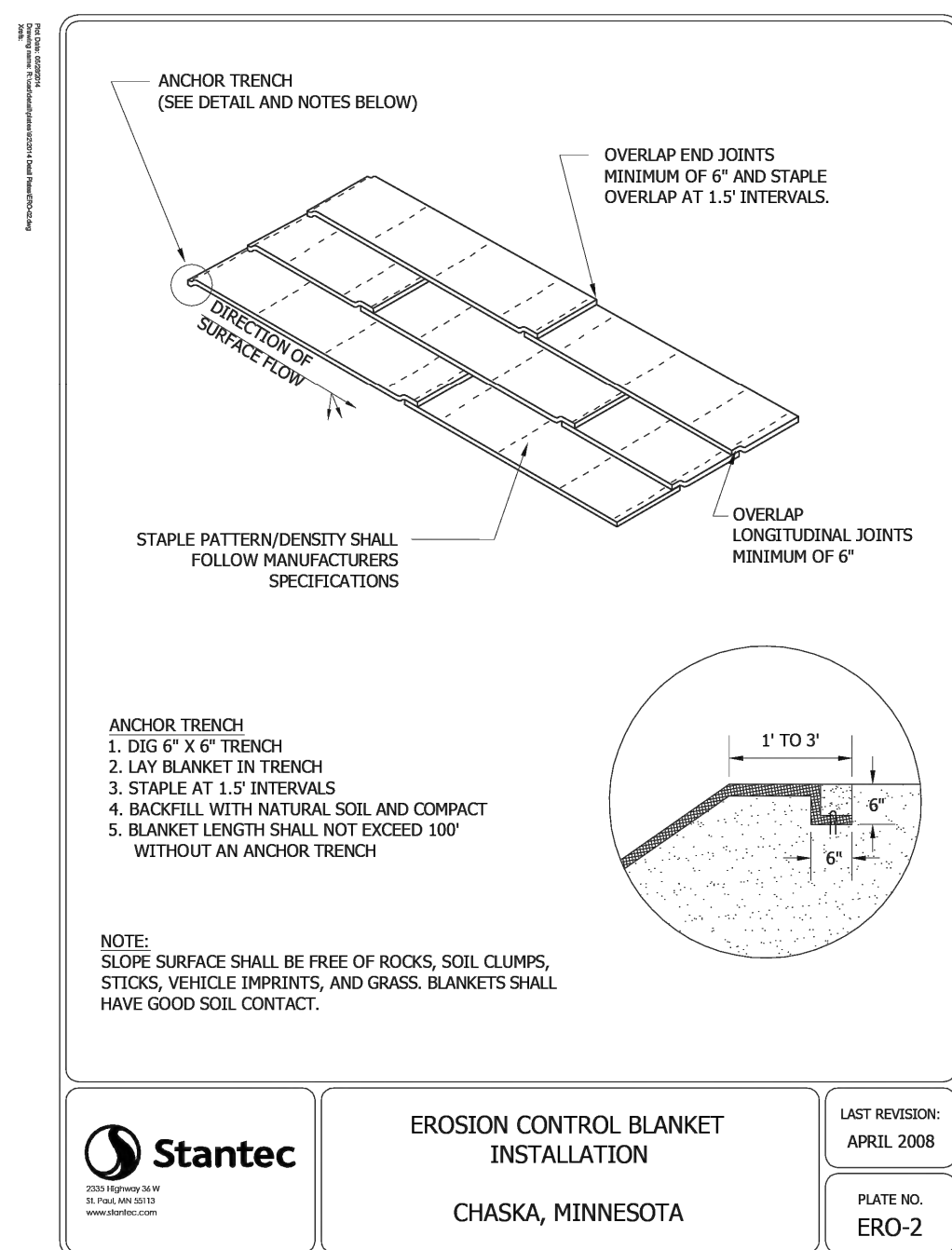
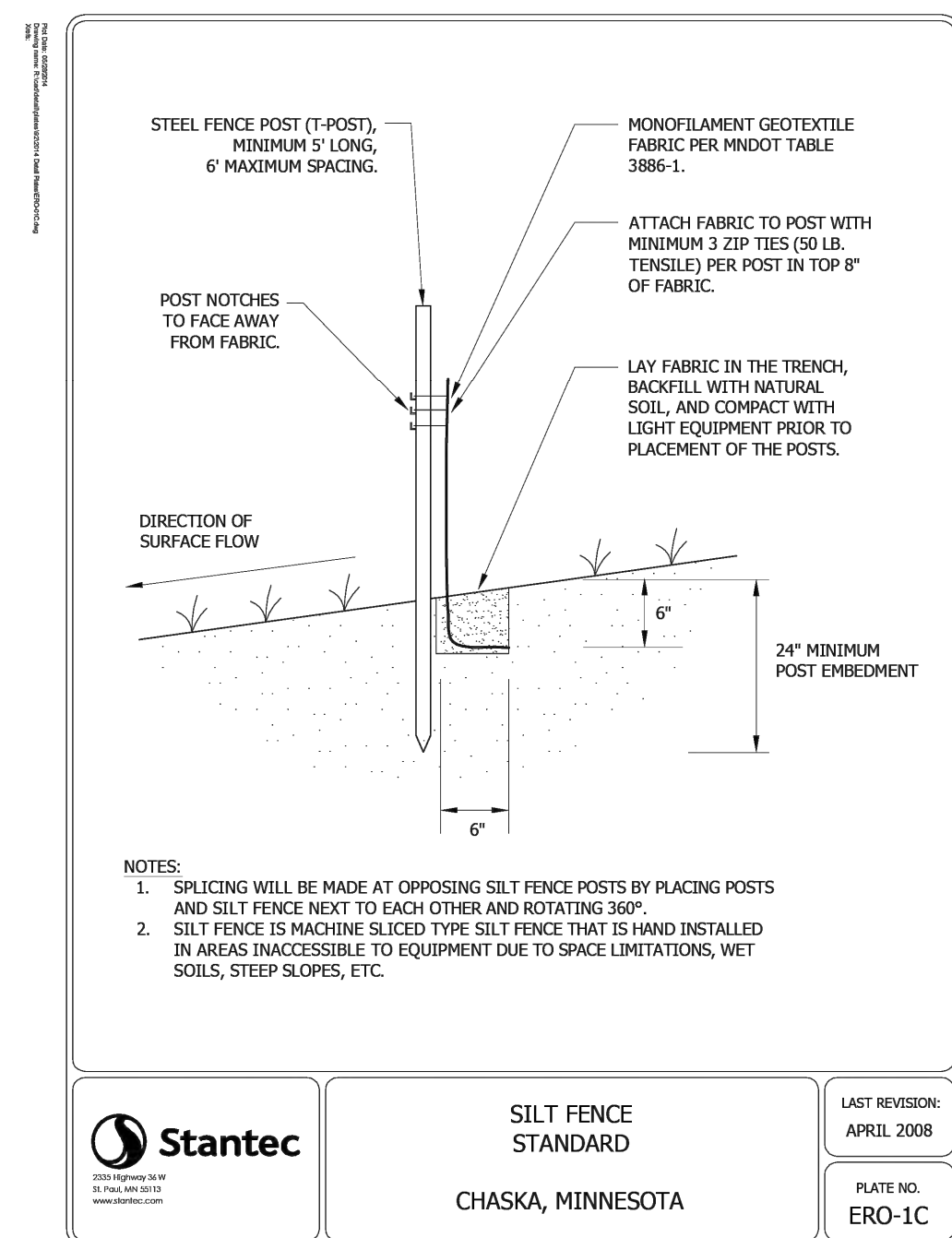
LIMINAR 1 P  
APRIL 03, 2022

DRAWING NO.

|          |           |
|----------|-----------|
| PLOTTED: | COMM. NO. |
| 4/27/23  | 15311     |







# CITATION CREEK DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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.

PRINT NAME: BRIAN J. FIELD, PE

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 57224

## REVISION LOG

[illegible]

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPR | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

## DRAWING TITLE

CIVIL SITE  
DETAILS 2

DRAWING NO.

C13

|                     |                    |
|---------------------|--------------------|
| PLOTTED:<br>4/27/23 | COMM. NO.<br>15311 |
|---------------------|--------------------|









13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
**P** 763.412.4000 | **F** 763.412.4090  
Anderson Engineering of Minnesota, LLC

## CITATION CREEK DEVELOPMENT

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PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPD | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

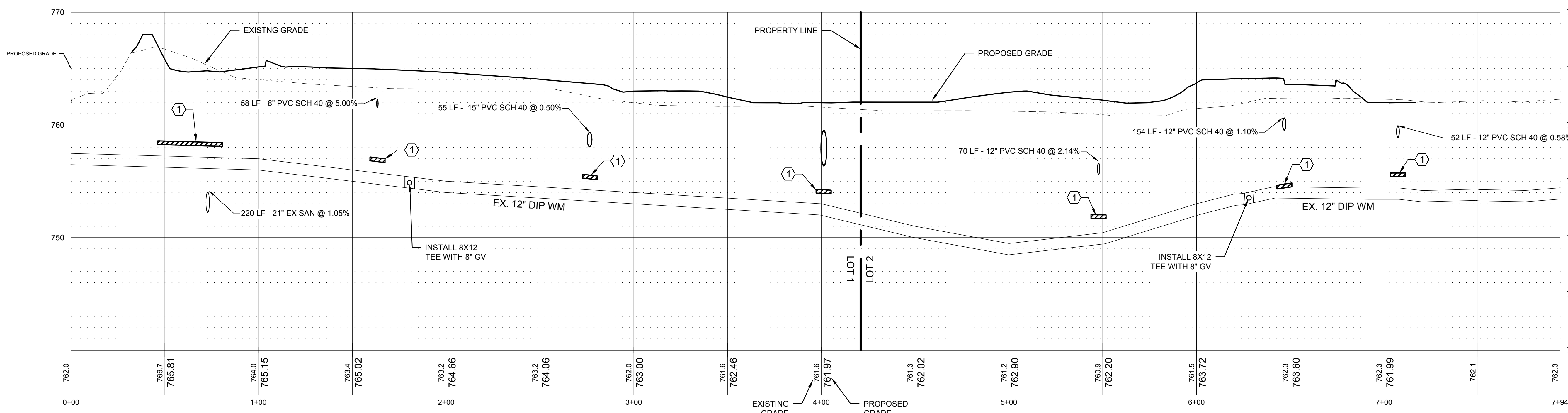
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## EXISTING SANITARY & WATERMAIN PROFILES

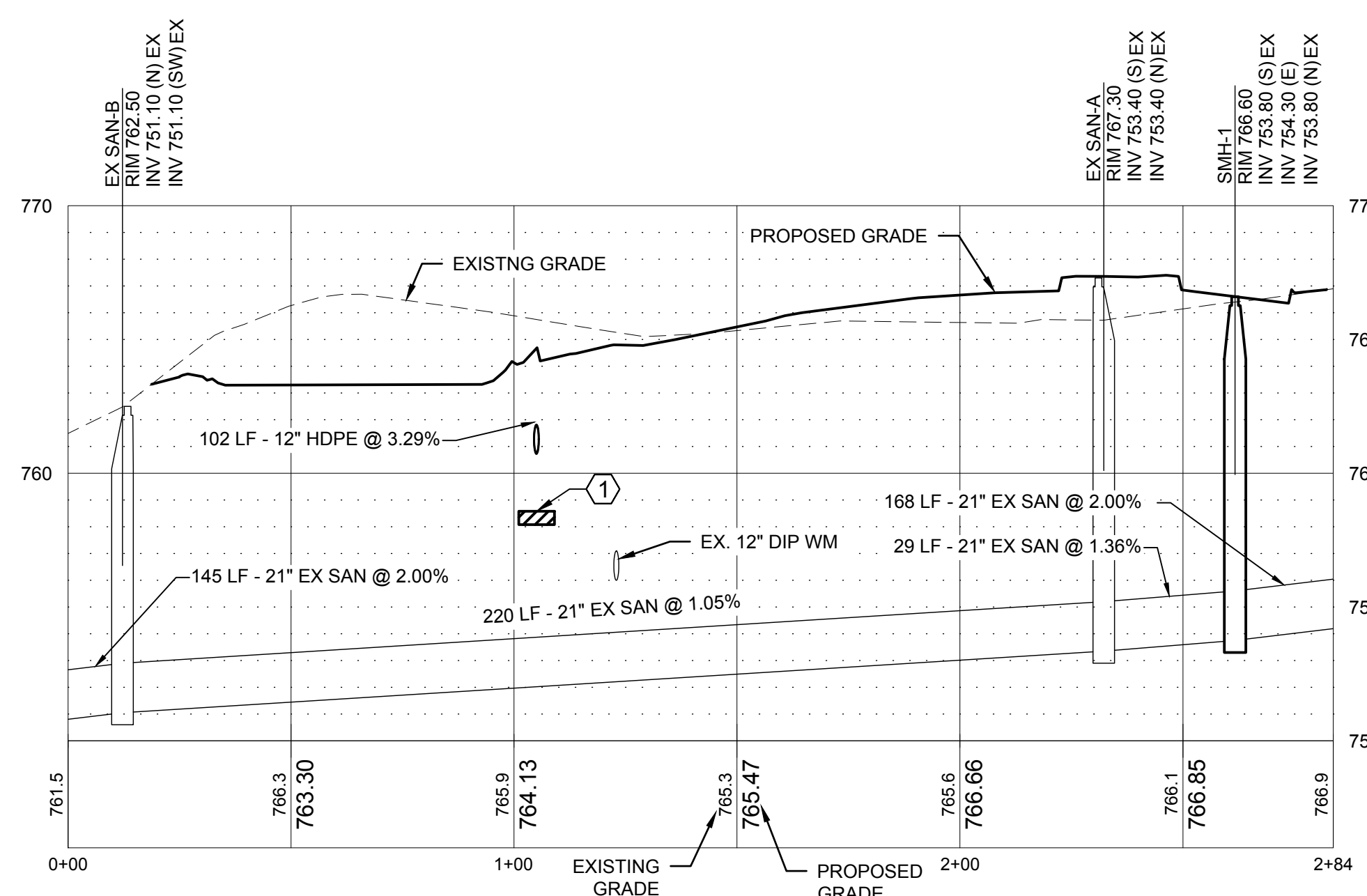
DRAWING NO.

C15

|                     |                    |
|---------------------|--------------------|
| PLOTTED:<br>4/27/23 | COMM. NO.<br>15311 |
|---------------------|--------------------|



1 PLAN VIEW - EXISTING 12" WATERMAIN  
SCALE: HORIZONTAL 1" = 30' VERTICAL 1" = 5'

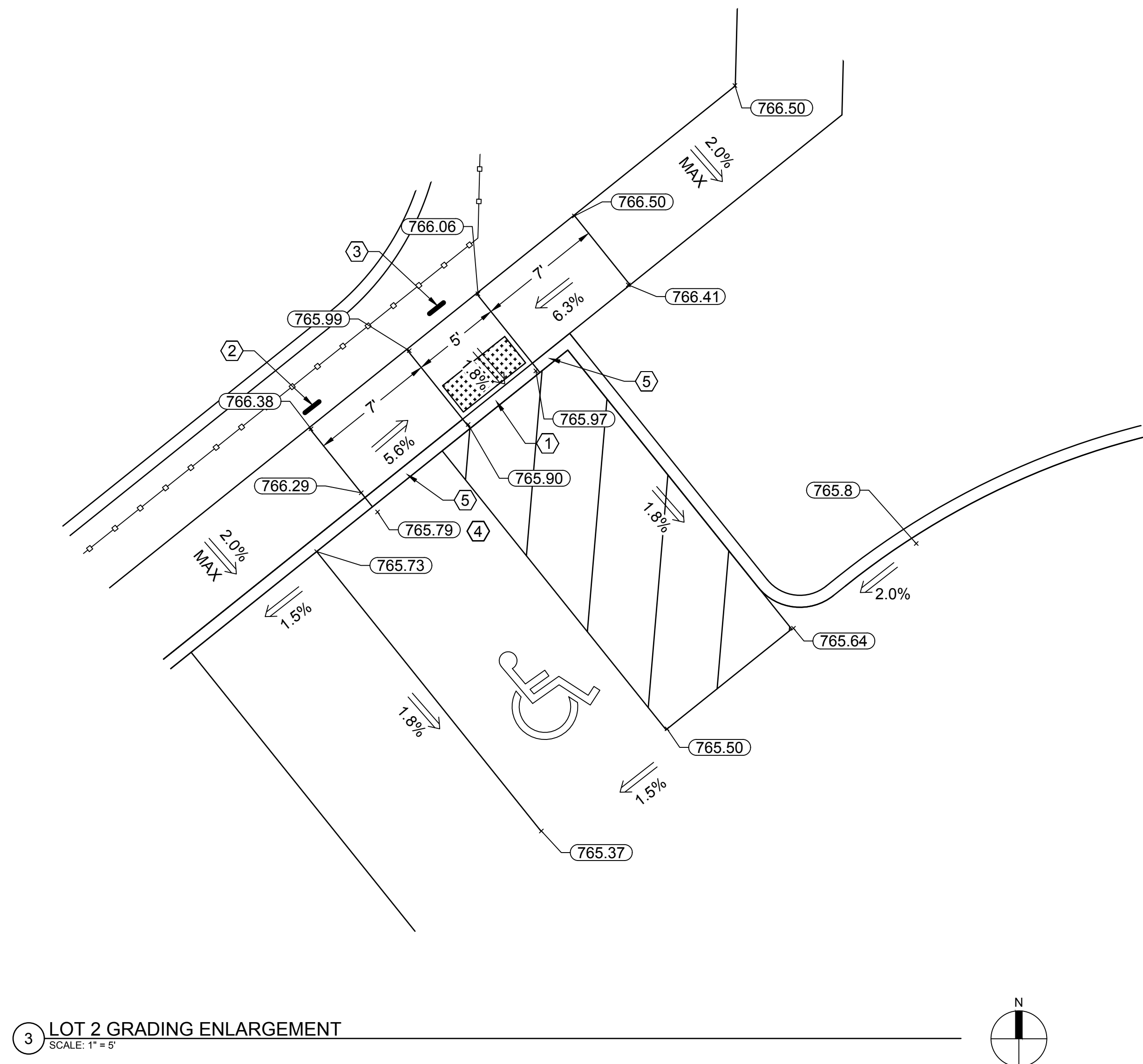
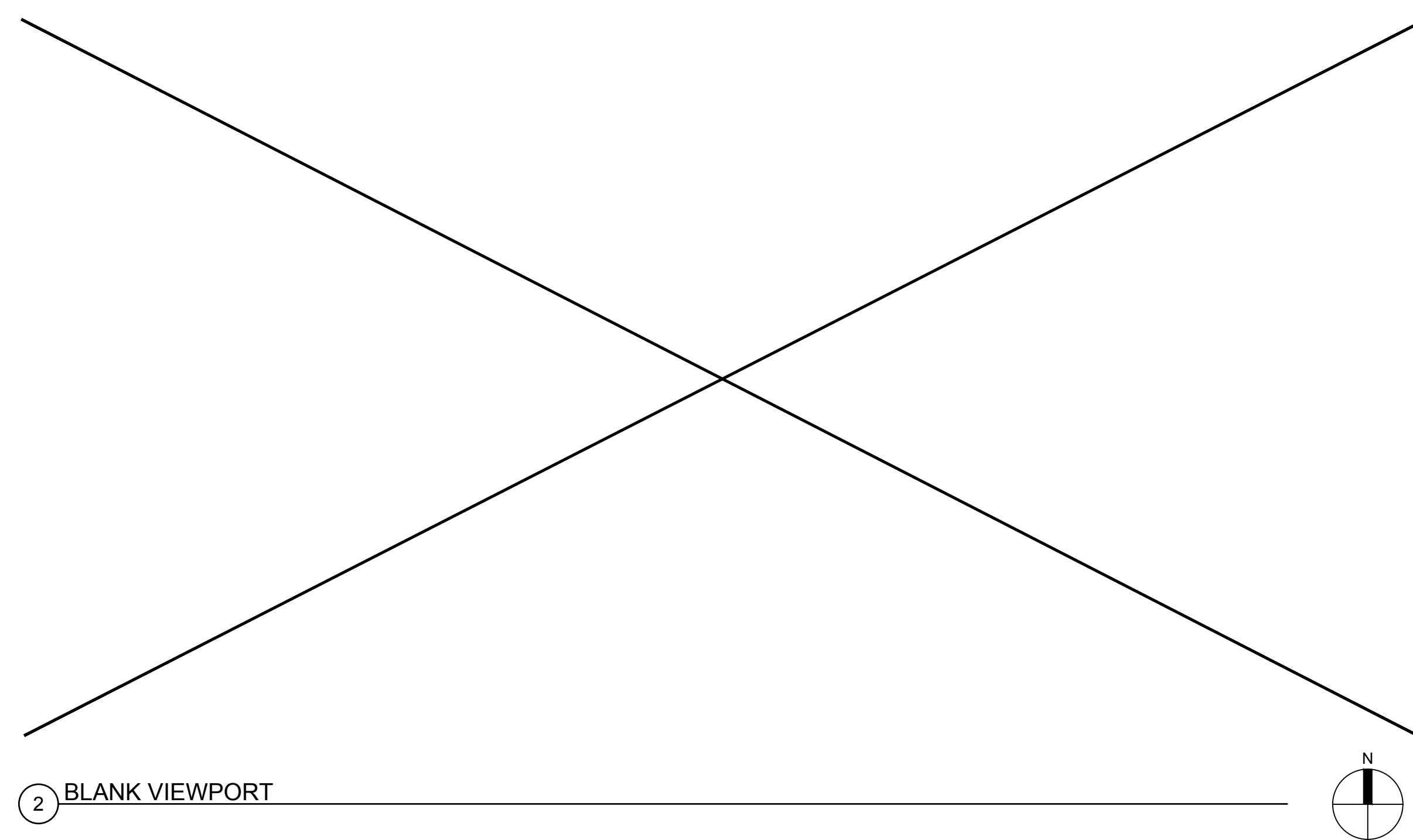
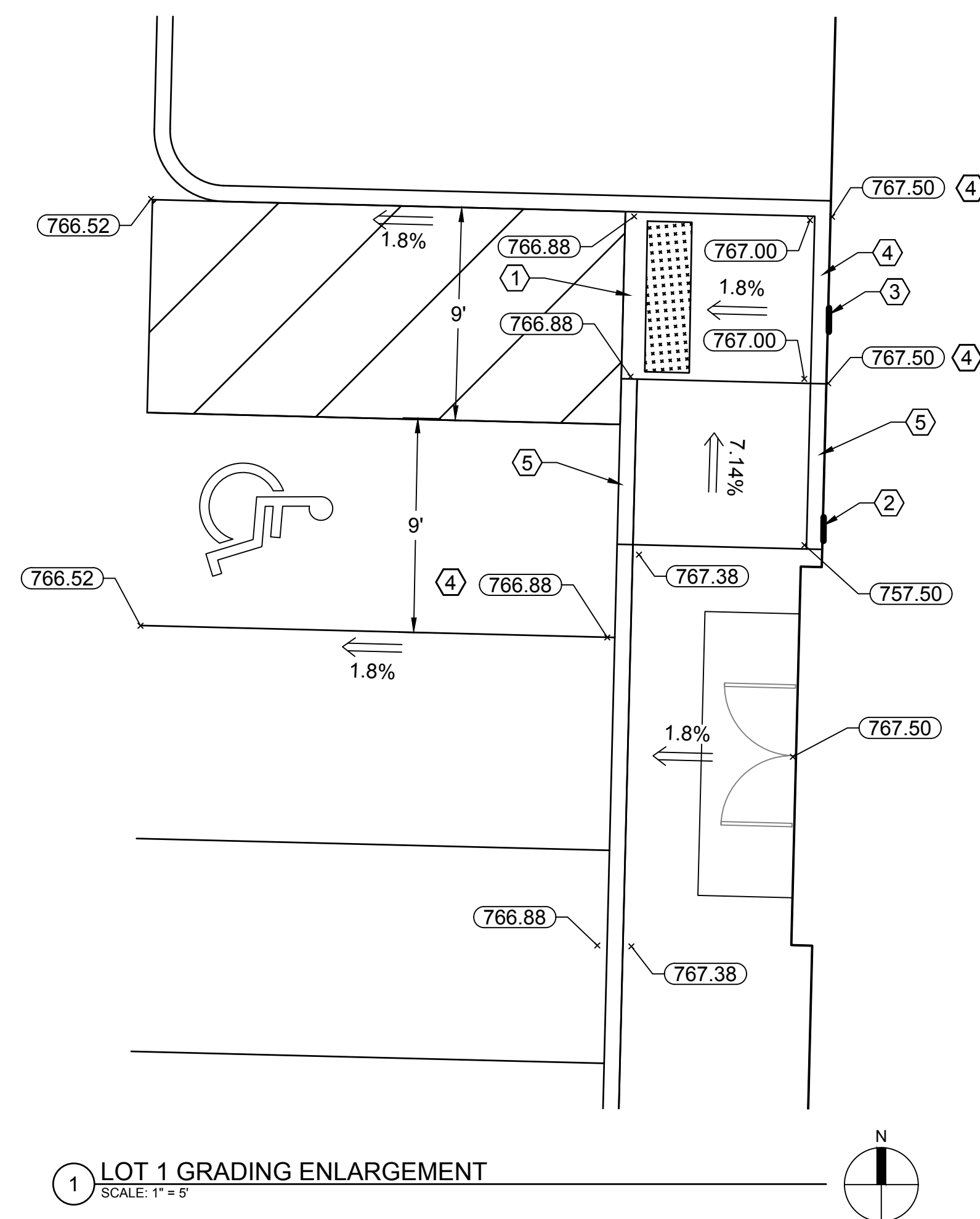


2 PROFILE VIEW - EXISTING 21" SANITARY SEWER  
SCALE: HORIZONTAL 1" = 30' VERTICAL 1" = 5'

## KEY NOTES

- 1 INSTALL RIGID POLYSTYRENE INSULATION AT ALL PROPOSED PIPE CROSSINGS OVER EXISTING WATERMAIN. INSULATION TO BE 4" MINIMUM AND TO BE CENTERED ON PIPE EXTENDING 4' IN EACH DIRECTION. GEN-8/C12







Apr 27, 2023 - 1:50pm  
Xref Filename: \\15311\_L\_S\_1\\15311\_TITLEBLOCK\_24X36.dwg  
\\15311\_S\_1\\15311\_HTC-STRUCTURES INC-CHASKA MIN\_000 Structures Lot Split 2022\_07 Civil\_01 CAD files\_04 Construction Documents\\03 LA\_01 SHEETS\\0311\_L\_PRESERVATION.dwg

TREE DATA: TYPE & STATUS TABLE

| TAG ID | TYPE | CAL.  | CLASS       | STATUS  |
|--------|------|-------|-------------|---------|
| 100    | ASH  | 12    | SIGNIFICANT | REMOVED |
| 101    | ASH  | 14    | SIGNIFICANT | REMOVED |
| 102    | ASH  | 14    | SIGNIFICANT | REMOVED |
| 103    | COT  | 38    | EXEMPT      | REMOVED |
| 104    | ASH  | 12    | SIGNIFICANT | REMOVED |
| 105    | COT  | 18    | EXEMPT      | REMOVED |
| 106    | COT  | 18    | EXEMPT      | REMOVED |
| 107    | COT  | 36    | EXEMPT      | REMOVED |
| 108    | WIL  | 36 x2 | SIGNIFICANT | REMOVED |
| 109    | PINE | 18    | SIGNIFICANT | REMAIN  |
| 110    | MAP  | 12    | SIGNIFICANT | REMAIN  |
| 111    | MAP  | 18    | SIGNIFICANT | REMAIN  |
| 112    | COT  | 12    | EXEMPT      | REMAIN  |
| 113    | COT  | 8     | EXEMPT      | REMAIN  |
| 114    | COT  | 12    | EXEMPT      | REMAIN  |
| 115    | COT  | 12    | EXEMPT      | REMAIN  |

TREE LEGEND

|      |            |
|------|------------|
| ASH  | ASH        |
| COT  | COTTONWOOD |
| MAP  | MAPLE      |
| PINE | PINE       |
| WIL  | WILLOW     |

CITY CODE: TREE PRESERVATION

STRUCTURES INC. - THREE LOT SPLIT  
ZONE: L-I LIMITED INDUSTRY / GI GENERAL INDUSTRIAL

**SIGNIFICANT TREES:** 15.28.070 (D) (1) (a)

- CONIFEROUS TREES TWELVE (12) FEET OR MORE IN HEIGHT.
- OVERSTORY DECIDUOUS TREES TEN (10) INCHES OR MORE IN DIA.
- UNDERSTORY DECIDUOUS TREES SIX (6) INCHES OR MORE IN DIA.

**CREDITS:** 15.28.070 (E) (3)

- CREDIT FOR EXISTING TREES: SITES CONTAINING SIGNIFICANT EXISTING TREES WHICH WILL BE RETAINED MAY BE GIVEN A CREDIT AGAINST THE CALIPER INCH REQUIREMENTS LISTED ABOVE. THE AMOUNT OF CREDIT WILL BE BASED UPON LOCATION AND SIZE AS DETERMINED BY THE COMMUNITY DEVELOPMENT DEPARTMENT. CREDIT SHALL NOT BE GIVEN FOR DEAD, DISEASED OR DAMAGED TREES.

LEGEND

|  |                           |
|--|---------------------------|
|  | PROPERTY LIMITS           |
|  | CONSTRUCTION LIMITS       |
|  | TREE PROTECTION           |
|  | PROTECTED TREES TO REMAIN |
|  | PROTECTED TREES TO REMOVE |
|  | EXEMPT TREES TO REMAIN    |
|  | EXEMPT TREES TO REMOVE    |

NOTES

1. INSTALL TREE PROTECTION AROUND EXISTING TREES TO REMAIN (TYP.). WHERE CLUSTERS OF TREES ARE TO BE PROTECTED, CONTRACTOR SHALL INSTALL PROTECTION FENCING AROUND THE OUTERMOST DRIPLINE OF THE CLUSTER. SEE 1/##.



**ANDERSON**

13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](mailto:ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

CITATION CREEK  
DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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 LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: CURT H. CLAEYS, PLA

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 45613

REVISION LOG

| NO. | DATE    | DESCRIPTION OF REVISIONS |
|-----|---------|--------------------------|
| 1   | 4-4-23  | PRELIMINARY PLAT         |
| 2   | 4-24-23 | WATERSHED REVISIONS      |
| 3   | 4-27-23 | CITY COMMENTS            |

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>CHC | DRAWN:<br>JAF | CHECKED BY:<br>CHC |
|------------------|---------------|--------------------|

DRAWING TITLE

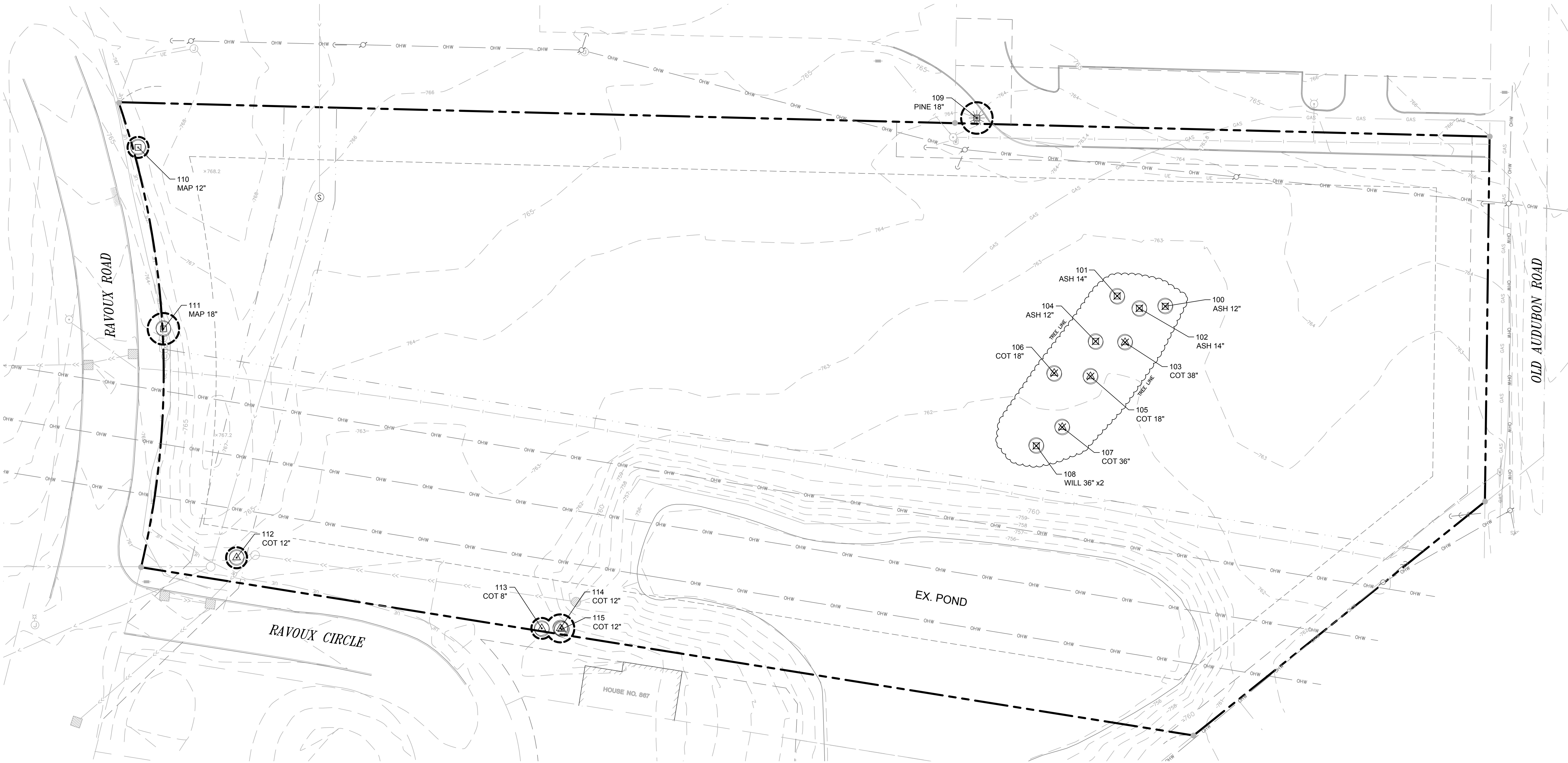
TREE  
PRESERVATION  
PLAN

DRAWING NO.

L1

PLOTTED:  
4/27/23

COMM. NO.  
15311



1 TREE PRESERVATION PLAN  
SCALE: 1" = 30' ( 22 x 34 PLAN SHEET )



PLANTING SCHEDULE

| CONIFEROUS TREES |     |                                                                           |       |               | SHRUBS           |     |                                                                                |       |        |
|------------------|-----|---------------------------------------------------------------------------|-------|---------------|------------------|-----|--------------------------------------------------------------------------------|-------|--------|
| CODE             | QTY | COMMON / BOTANICAL NAME                                                   | CONT  | CAL/HT        | CODE             | QTY | COMMON / BOTANICAL NAME                                                        | CONT  | SIZE   |
| PTL              | 5   | THE LIMY NORWAY SPRUCE<br>PICEA ABIES 'THE LIMY'                          | B&B   | 6' HT.        | RAG              | 19  | GRO-LOW FRAGRANT SUMAC<br>RHUS AROMATICA 'GRO-LOW'                             | CONT. | 5 GAL. |
| PGL              | 5   | WHITE SPRUCE<br>PICEA GLAUCA                                              | B&B   | 6' HT.        | SJA              | 21  | JAPANESE SPIREA<br>SPIRAEA JAPONICA 'ANTHONY WATERER'                          | CONT. | 5 GAL. |
| DECIDUOUS TREES  |     |                                                                           |       |               | ORNAMENTAL GRASS |     |                                                                                |       |        |
| CODE             | QTY | COMMON / BOTANICAL NAME                                                   | CONT  | CAL/HT        | CODE             | QTY | COMMON / BOTANICAL NAME                                                        | CONT  | SIZE   |
| AFJ              | 5   | AUTUMN BLAZE MAPLE<br>ACER X FREEMANNII 'JEFFSRED'                        | B&B   | 2 - 1/2" CAL. | TMT              | 17  | TAUNTON YEW<br>TAXUS X MEDIA 'TAUNTONII'                                       | CONT. | 5 GAL. |
| COC              | 1   | COMMON HACKBERRY<br>CELTIS OCCIDENTALIS                                   | B&B   | 2 - 1/2" CAL. | TOH              | 6   | HOLMSTRUP ARBORVITAE<br>THUJA OCCIDENTALIS 'HOLMSTRUP'                         | CONT. | 5 GAL. |
| GTH              | 3   | NORTHERN ACCLAIM HONEY LOCUST<br>GLEDITSIA TRIACANTHOS INERMIS 'HARVE' TM | B&B   | 2 - 1/2" CAL. | TOL              | 36  | LITTLE GIANT ARBORVITAE<br>THUJA OCCIDENTALIS 'LITTLE GIANT'                   | CONT. | 5 GAL. |
| ORNAMENTAL TREES |     |                                                                           |       |               | PERENNIALS       |     |                                                                                |       |        |
| CODE             | QTY | COMMON / BOTANICAL NAME                                                   | CONT  | CAL/HT        | CODE             | QTY | COMMON / BOTANICAL NAME                                                        | CONT  | SIZE   |
| CAW              | 5   | GOLDEN SHADOWS DOGWOOD<br>CORNUS ALTERNIFOLIA 'W. STACKMAN'               | B&B   | 2" CAL.       | AGB              | 34  | BLACKHAWKS BIG BLUESTEM<br>ANDROPOGON GERARDII 'BLACKHAWKS'                    | CONT. | 5 GAL. |
| CAB              | 2   | IVORY HALO® DOGWOOD<br>CORNUS ALBA 'BALHALO'                              | CONT. | 5 GAL.        | CKF              | 15  | FEATHER REED GRASS<br>CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'               | CONT. | 1 GAL. |
| HAA              | 3   | ANNABELLE SMOOTH HYDRANGEA<br>HYDRANGEA ARBORESCENS 'ANNABELLE'           | CONT. | 1 GAL.        | SSO              | 25  | STANDING OVATION LITTLE BLUESTEM<br>SCHIZACHYRIUM SCOPARIUM 'STANDING OVATION' | CONT. | 1 GAL. |
| JSG              | 10  | SEA GREEN JUNIPER<br>JUNIPERUS CHINENSIS 'SEA GREEN'                      | CONT. | 5 GAL.        | SNU              | 23  | INDIAN GRASS<br>SORGHASTRUM NUTANS                                             | CONT. | 5 GAL. |
| JDA              | 19  | BLUEBERRY DELIGHT® JUNIPER<br>JUNIPERUS COMMUNIS DEPRESSA 'AMIDAK'        | CONT. | 5 GAL.        | SHE              | 24  | PRAIRIE DROPSEED<br>SPOROBOLUS HETEROLEPIS                                     | CONT. | 3 GAL. |
|                  |     |                                                                           |       |               |                  |     |                                                                                |       |        |
| CODE             | QTY | COMMON / BOTANICAL NAME                                                   | CONT  | SIZE          | CODE             | QTY | COMMON / BOTANICAL NAME                                                        | CONT  | SIZE   |
|                  |     |                                                                           |       |               | NFW              | 13  | WALKERS LOW CATMINT<br>NEPETA X FASSENII 'WALKERS LOW'                         | CONT. | 1 GAL. |

CITY CODE: REQUIRED PLANTING

STRUCTURES INC. - THREE LOT SPLIT  
ZONE: L-1 LIMITED INDUSTRY / G1 GENERAL INDUSTRIAL

SITE DATA / LOT DIMENSIONS: 15,28.070  
• LOT 1: 7,392 SF 1-STORY BLDG  
• LOT 2: 7,392 SF 1-STORY BLDG

| CITY CODE                                                                                                                                                                                                                                                                                                                                        | MIN. REQUIRED                            | PROVIDED                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------|
| <b>TOTAL STREET TREES REQUIRED:</b><br>STREET TREES SHALL NOT BE LESS THAN 40' APART WITH A MIN. OF (1) PER LOT.                                                                                                                                                                                                                                 | 1 PER 40' LF PUBLIC STREET (5 TREES)     | 5 TREES                                                               |
| <b>TOTAL OVERSTORY TREES REQUIRED:</b><br><b>LOT 1</b><br>7,392 BLDG SF /320= 23.1<br>23.1 AT 2.5 CALIPER INCHES (70%) = 16.17 = 16<br>16 CAL. IN. / 2.5 = 6.4 = 6 TREES AT 2.5 CAL. INCHES<br><b>LOT 2</b><br>7,392 BLDG SF /320= 23.1<br>23.1 AT 2.5 CALIPER INCHES (70%) = 16.17 = 16<br>16 CAL. IN. / 2.5 = 6.4 = 6 TREES AT 2.5 CAL. INCHES | 6 TREES (16 CAL. IN.)                    | 6 TREES                                                               |
| <b>TOTAL UNDERSTORY TREES REQUIRED:</b><br>15 x 25= 375 = 4                                                                                                                                                                                                                                                                                      | 4 TREES                                  | 4 TREES                                                               |
| <b>TOTAL NUMBER OF SHRUBS REQUIRED:</b><br>SITE PERIMETER: 2084.003 / 30 = 69.468 = 70+<br>ADJOINING A RESIDENTIAL, PUBLIC USE OR PUBLIC STREET REQUIRES SCREENING.                                                                                                                                                                              | 70 +<br>+ RESIDENTIAL & STREET SCREENING | 40 DECIDUOUS SHRUBS<br>112 EVERGREEN SHRUBS<br>120 ORNAMENTAL GRASSES |

TREE CREDITS: 15,28.070 (E.) (3.)

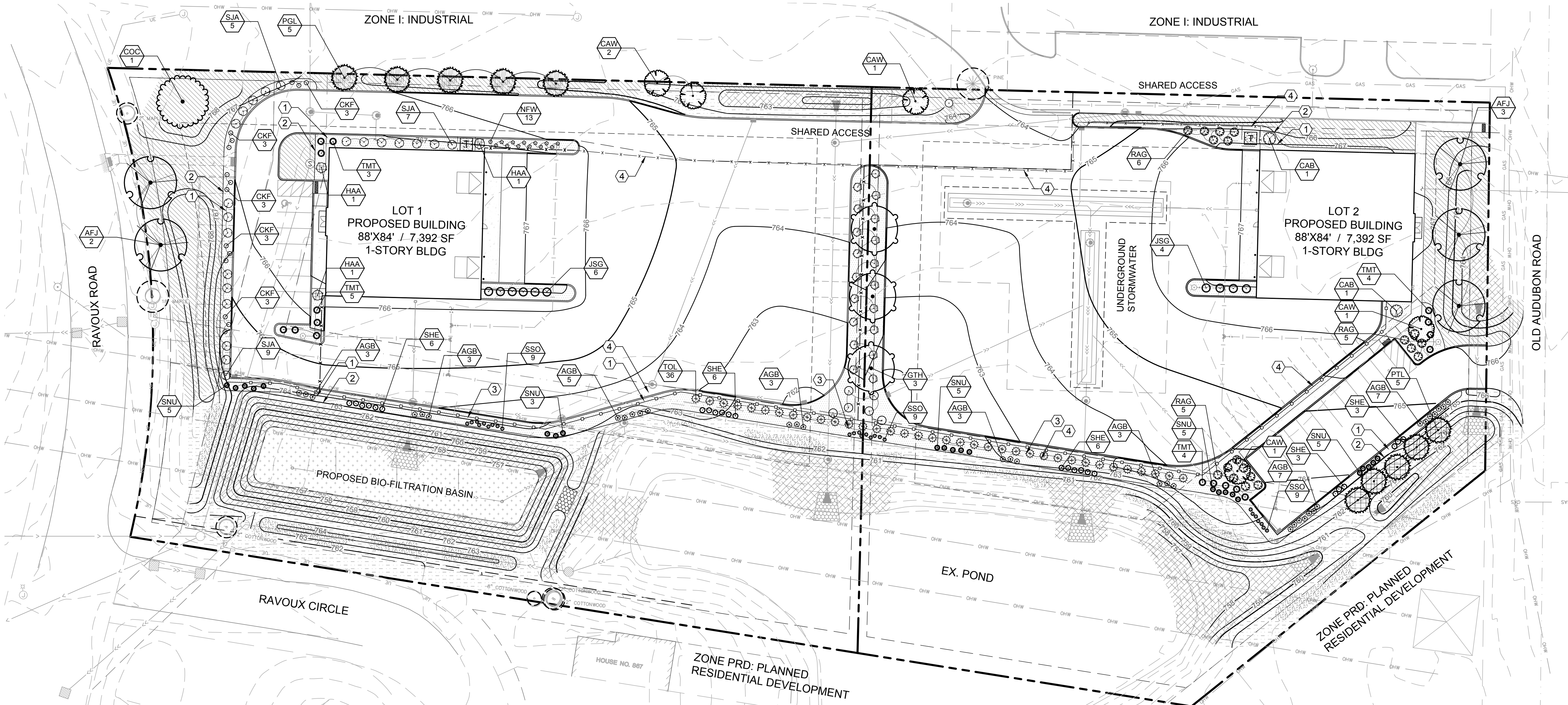
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- THE AMOUNT OF CREDIT WILL BE BASED UPON LOCATION AND SIZE AS DETERMINED BY THE COMMUNITY DEVELOPMENT DEPARTMENT. CREDIT SHALL NOT BE GIVEN FOR DEAD, DISEASED OR DAMAGED TREES.

LEGEND

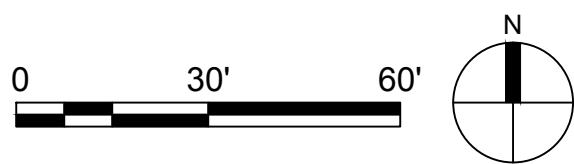
|  |                                                     |
|--|-----------------------------------------------------|
|  | PROPERTY LIMITS                                     |
|  | CONSTRUCTION LIMITS                                 |
|  | NEW SOD WITH IRRIGATION                             |
|  | NEW STORMWATER SEED MIX MNDOT 33-261                |
|  | NEW PRAIRIE NATIVE SEED MIX #1 MNDOT 35-221         |
|  | NEW STORMWATER BASIN SEED MIX #2 MNDOT 33-262       |
|  | NEW PRAIRIE NATIVE SEED MIX #3 MNDOT 35-241         |
|  | 3" DEEP, 1-1/2" WASHED RIVER ROCK MULCH OVER FABRIC |
|  | NEW LANDSCAPE EDGER SEE NOTES L3                    |
|  | NEW PRIVACY FENCING                                 |
|  | NEW SECURITY FENCING                                |

NOTES

1. ALL PLANTINGS SHALL RECEIVE IRRIGATION (SEE L3 FOR IRRIGATION NOTES)
2. REFER TO PLAN SHEET L2 FOR SODDING, SEEDING, FERTILIZER AND TOPSOIL NOTES
3. ALL LANDSCAPING DISTURBED BEYOND THE NEW PLANTINGS SHALL BE REPLACED IN KIND.
4. PRIVACY FENCING SHALL BE OPAQUE PRIVACY FENCING. SEE CIVIL PLANS FOR MORE INFORMATION.



1 PLANTING PLAN  
SCALE: 1" = 30' ( 22 x 34 PLAN SHEET )



ANDERSON

13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

CITATION CREEK  
DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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 LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: CURT H. CLAEYS, PLA

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 45613

REVISION LOG

| NO. | DATE    | DESCRIPTION OF REVISIONS |
|-----|---------|--------------------------|
| 1   | 4-4-23  | PRELIMINARY PLAT         |
| 2   | 4-24-23 | WATERSHED REVISIONS      |
| 3   | 4-27-23 | CITY COMMENTS            |

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>CHC | DRAWN:<br>JAF | CHECKED BY:<br>CHC |
|------------------|---------------|--------------------|

DRAWING TITLE

PLANTING PLAN

DRAWING NO.

L2

PLOTTED:  
4/27/23

COMM. NO.  
15311



GENERAL LANDSCAPE NOTES

- LANDSCAPE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO BECOME COMPLETELY FAMILIAR WITH SITE CONDITIONS.
- ALL ROUGH AND FINISH GRADING TO BE DONE BY OTHERS.
- NO PLANTING SHALL BE INSTALLED UNTIL ALL GRADING, BUILDING, CONSTRUCTION, UTILITY WORK & IRRIGATION (IF APPLICABLE) HAS BEEN COMPLETED IN THE AREAS TO BE PLANTED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UNDERGROUND CABLES, CONDUITS, WIRES, ETC., ON THE PROPERTY.
- IF THERE IS A DISCREPANCY BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLAN AND THE NUMBER OF PLANTS SHOWN IN THE PLANT LIST, THE NUMBER OF PLANTS SHOWN ON THE PLAN WILL TAKE PRECEDENCE.
- ALL PROPOSED PLANT MATERIAL SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLAN. IF THE CONTRACTOR BELIEVES AN ERROR HAS BEEN MADE REGARDING SPACING OR LOCATION OF THE PLANT MATERIAL INDICATED ON THE PLAN, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE MAINTENANCE OF THE PLANT MATERIAL (WATERING, SPRAYING, FERTILIZING, MOWING, ETC.) UNTIL THE WORK HAS BEEN ACCEPTED, BY THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO PROPERTY DAMAGE FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
- ALL NEWLY PLANTED PLANT MATERIAL SHALL BE GUARANTEED THROUGH ONE CALENDAR YEAR STARTING FROM THE DATE OF ACCEPTANCE ESTABLISHED BY THE OWNER.
- THE CONTRACTOR SHALL MEET WITH THE OWNER OR OWNERS REPRESENTATIVE ON SITE WHEN THEY FEEL THE PROJECT IS COMPLETE ACCORDING TO THE CONTRACT DOCUMENTS. IF ALL WORK IS SATISFACTORY AND COMPLETE ACCORDING TO THE CONDITIONS OF THE CONTRACT DOCUMENTS, THEN THE OWNER MUST DECLARE THE PROJECT COMPLETE. THIS DECLARATION WILL CONSTITUTE AS THE BEGINNING OF THE ONE (1) YEAR WARRANTY PERIOD FOR ALL PLANT MATERIAL. THE OWNER SHALL PROVIDE A LETTER WITH SIGNATURE STATING THE DATE OF ACCEPTANCE.
- WIND BURN OR OTHERWISE DAMAGED PLANT MATERIAL WILL NOT BE ACCEPTED.
- CONTRACTOR CAN SUBSTITUTE MACHINE MOVED MATERIAL USING APPROPRIATE SIZE TREE SPADE FOR B & B WITH OWNER APPROVAL.
- THE PRACTICE OF STAKING SHOULD NOT ALLOW NAILS, SCREWS, WIRES, ETC. TO PENETRATE THE OUTER SURFACE OF THE TREES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL TREE STAKES, GUYS, STRAPS AND TRUNK PROTECTION MEASURES FOLLOWING THE COMPLETION OF THE WARRANTEE PERIOD OR AS DIRECTED BY THE OWNER.
- LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE THE OWNER WITH MAINTENANCE INFORMATION DURING THE GUARANTEE PERIOD RELATING TO WATERING, FERTILIZING, PRUNING, PEST CONTROL, AND RELATED ITEMS. THIS WILL BE PREPARED AND DELIVERED TO THE OWNER AFTER PROVISIONAL INSPECTION APPROVAL HAS BEEN GIVEN BY THE OWNER AND/OR LANDSCAPE ARCHITECT.
- INSTALL CORRUGATED PLASTIC TREE GUARDS, WHITE IN COLOR, WITH THE SIZE OF TUBE 1" DIA. (MIN.) LARGER THAN THE CALIPER OF THE TREE TO BE PROTECTED.
- CONTRACTOR TO FURNISH & INSTALL METAL EDGING AS SHOWN ON THE PLANS & DETAILS. METAL EDGING SHALL BE ALUMINUM OR STEEL, BLACK IN COLOR, WITH A MINIMUM THICKNESS OF 1/8" AND 4" DEEP. INSTALL 1 METAL STAKE EVERY 3-1/2 FEET OF EDGING.
- LANDSCAPE FABRIC (FILTER MAT) TO HAVE A COMBINED WEIGHT OF 4.5-5.5 OZ. PER S.Y. FABRIC SHOULD BE U.V. STABILIZED AND HAVE A FIVE YEAR MINIMUM WEATHERABILITY FACTOR IN FULL SUNLIGHT. FABRIC TO BE PHILLIPS DUON R OR EQUIVALENT. SAMPLE REQUIRED FOR APPROVAL.
- 3" DEPTH SHREDDED HARDWOOD MULCH SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS THAT ARE ISOLATED FROM GROUND COVER AREAS AND GENERAL SHRUB MASSES.
- 3" DEPTH OF 1" TO 1-1/2" WASHED RIVER ROCK SHALL BE INSTALLED OVER LANDSCAPED FABRIC AS INDICATED ON THE PANS & DETAILS.
- FOR BALLED & BURLAP PLANT MATERIAL, REMOVE THE TOP HALF OF THE BURLAP FROM THE ROOT BALL. WIRE CAGES, STRAPS, ETC. SHALL BE REMOVED FROM THE TOP HALF OF THE ROOTBALL BEFORE INSTALLATION.
- ALL CONTAINER MATERIAL SHALL HAVE BEEN GROWN IN CONTAINER FOR A MINIMUM OF 6 MONTHS PRIOR TO INSTALLATION.
- SHRUBS SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON-CENTER SPACING FROM PAVING EDGE UNLESS OTHERWISE NOTED.
- DECIDUOUS SHRUBS SHALL HAVE MINIMUM OF FIVE (5) CANES AT SPECIFIED HEIGHT UNLESS OTHERWISE NOTED IN PLANT SCHEDULE.
- LANDSCAPE CONTRACTOR SHALL PROVIDE AND INSTALL NURSERY GROWN PLANT MATERIAL CONFORMING TO THE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 STANDARDS UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.

GENERAL IRRIGATION NOTES

- PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL LOCAL UTILITY COMPANIES TO LOCATE EXACT LOCATIONS OF UNDERGROUND UTILITIES.
- THE IRRIGATION SHALL BE DESIGN/BUILD SYSTEM BY THE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATIONS AS PART OF THE SCOPE OF WORK WHEN BIDDING. THESE SHALL BE APPROVED BY THE OWNER PRIOR TO ORDER AND/OR INSTALLATION.
- VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE, SO THAT TURF AREAS ARE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IRRIGATION HEADS IN TURF AREAS SHALL BE VALVED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IT IS RECOMMENDED THAT FULL SUN AND SHADY AREAS TO BE VALVED SEPARATELY AS WELL AS HIGH RUN-OFF AND LOW RUN-OFF AREAS TO BE VALVED SEPARATELY.
- CONFIRM LIMITS OF IRRIGATION, EXISTING AND FUTURE HARDSCAPE AND BUILDING LOCATIONS PRIOR TO THE DESIGN OF THE IRRIGATION SYSTEM.
- CONTRACTOR SHALL VERIFY WATER SOURCE LOCATION AND PRESSURE AND SUPPLY A SYSTEM THAT PROVIDES FULL AND COMPLETE COVERAGE TO ALL AREAS TO BE IRRIGATED.
- SYSTEM SHOULD BE DESIGNED TO OPERATE AT UP TO 300 GPM @ 90 PSI TO COMPLETE WATER SCHEDULES WITHIN 12-HOURS MAXIMUM.
- RAIN SENSORS AND OTHER WATER SAVING TECHNOLOGIES SHALL BE INCLUDED WITHIN THE IRRIGATION DESIGN.
- PROVIDE THE OWNER WITH AN OPERATING SCHEDULE THAT WORKS WITH THE APPROVED LAYOUT PLAN AND IDENTIFY ANY FIELD ADJUSTMENTS PRIOR TO PROJECT COMPLETION.
- LOCATE VALVE BOXES AWAY FROM ROAD/CURB SO THEY ARE LESS VISUAL WHERE APPLICABLE.
- DO NOT TRENCH THROUGH THE ROOT BALLS OF NEW PLANTINGS.
- AVOID OVER-SPRAY ONTO ROADS, SIDEWALKS, SIGNS AND PARKING AREAS. SPRINKLER ARCS SHALL BE DETERMINED ON SITE BY THE IRRIGATION INSTALLER TO PROVIDE THE MAXIMUM COVERAGE POSSIBLE. CAREFULLY ADJUST THE ARCS AND RADIUS OF EACH SPRINKLER TO PROVIDE HEAD-TO-HEAD COVERAGE.
- WITHIN EXTREME SLOPED AREAS:
  - INSTALL STATIONS SEPARATELY FOR TOP AND BOTTOM OF SLOPED AREAS
  - INSTALL LATERAL PIPES PARALLEL TO SLOPE
  - IF SLOPE IS TOO EXTREME FOR MACHINERY, INSTALL LATERAL PIPES SAFELY AND FEE-FEED INDIVIDUAL SPRINKLERS VIA DOWNHILL PIPING PERPENDICULAR TO TEE LINE
- MAINLINE PIPING BENEATH TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 30-INCHES FROM BOTTOM OF ROAD SUB-GRADE AND CONTAIN SLEEVES NOT LESS THAN TWO NOMINAL DIMENSIONS GREATER THAT THE PIPE PASSING THROUGH.
- IRRIGATION INSTALLER SHALL FURNISH AND INSTALL SLEEVE MATERIAL UNDER ALL ROADWAYS, WALKS AND DRIVEWAYS WHERE NECESSARY
- TOP OF MAINLINES SHALL BE AT LEAST 30-INCHES BELOW GRADE IN TURF AREAS.
- TOP OF LATERAL LINES SHALL BE AT LEAST 18-INCHES BELOW GRADE.
- MAINLINE PRESSURE PIPE FITTINGS 3-INCHES AND LARGER SHALL BE PUSH ON GASKET JOINED AND SHALL HAVE MECHANICAL JOINT RESTRAINTS. MAINLINE PRESSURE PIPE FITTINGS 2.5-INCHES AND SMALLER SHALL BE GLUED AND SHALL HAVE CONCRETE THRUST BLOCKS AT FITTINGS THAT COMPRISE CHANGE IN DIRECTION.
- OTHERS SHALL FURNISH, INSTALL AND BRING 24-INCHES ABOVE GRADE A MUNICIPAL POTABLE STUB FOR IRRIGATION, COORDINATE WITH GENERAL CONTRACTOR.
- INSTALLER IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE BACKFLOW PREVENTOR, WATER METER AND BOOSTER PUMP, IF APPLICABLE.
- IRRIGATION CONTROL WIRE SHALL BE DIGITAL TWO-WIRE, UL LISTED FOR DIRECT BURIAL.
- SCHEDULE AND PROGRAM CONTROLLER AND VALVES FOR APPROPRIATE LANDSCAPE WATER REQUIREMENTS
- CONNECT ALL ELECTRICAL WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES INCLUDING:
  - ALL LOW VOLTAGE IRRIGATION CONTROL WIRE SHALL BE INSTALLED WITH THE MAINLINE PIPE WHERE POSSIBLE
  - DO NOT LOOP THE LOW VOLTAGE IRRIGATION CONTROL WIRE PATH.
  - SNAKE WIRE AT BOTTOM OF TRENCH BENEATH MAINLINE.
  - PROVIDE 18-INCH OF SLACK CONTROL WIRE AT ALL CHANGES IN DIRECTION.
  - PROVIDE 24-INCH OF SLACK CONTROL WIRE AT EACH REMOTE CONTROL VALVE COILED INSIDE VALVE BOX.
  - ALL WIRE SPLICES SHALL BE WATERTIGHT CONNECTORS AND CONTAINED IN VALVE BOX.
  - ALL WIRING BENEATH HARDSCAPES SHALL BE CONTAINED IN SLEEVING, SEPARATE FROM PIPING. ELECTRICAL SLEEVES ARE TO BE SIZED APPROPRIATELY FOR EASE OF WIRE INSTALLATION AND REPAIR.
  - ALL WIRING SHALL BE IDENTIFIED AT EACH END TO PROVIDE INDICATION AS TO WHICH LOCATION THE WIRE IS CONNECTED.
  - GROUNDING PER MANUFACTURER'S RECOMMENDATION OR LOCAL ELECTRICAL CODE.

SODDING, SEEDING & TOPSOIL

- ALL PLANTINGS SHALL RECEIVE FERTILIZER AS FOLLOWS:
  - SUMMER AND FALL PLANTING: 0-20-20 GRANULAR (IN SAUCER AROUND PLANT AT THE RATE OF 12 OZ. PER 2-3" CAL. TREE & 6 OZ. PER SHRUB).
  - SPRING PLANTING: 10-10-10 GRANULAR (APPLY ABOVE REFERENCED FERTILIZER AT A RATE OF 12 OZ. PER 1-1/2" CAL. TREE OR LARGER & 6 OZ. PER SHRUB & PERENNIAL.
- ALL PLANTINGS SHALL RECEIVE AN AMENDED SOIL MIX CONSISTING OF THREE (3) PARTS:
  - 45% APPROVED TOPSOIL (ONE SITE PREFERRED)
  - 45% ORGANIC MATTER (TYPE 1 SPAGNUM PEAT MOSS FINELY DIVIDED WITH A PH OF 3.1 - 5.0.)
  - 10% SAND (FINE CLEAN MASONRY SAND)
- AREAS CONFINED TO A MASS PLANTING AREA (PLANTING BED) SHALL RECEIVE THE AMENDED SOIL MIX AT MIN. 12" DEPTH THROUGHOUT THE PLANTING AREA. AMENDED SOIL MIX SHALL BE MIXED THOROUGHLY AND INSTALLED IN 6" LIFTS.
- AREAS TO RECEIVE SOD OR SEED SHALL HAVE A 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL SHALL PROVIDE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY CLUMPS, BRUSH WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONE LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
- SOD SHALL BE HIGHLAND SOD, 30" X 100" ROLLS PREFERRED WHERE APPLICABLE, TO BE LAID PARALLEL WITH THE CONTOURS AND HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR DRAINAGE SWALES, THE SOD SHALL BE STAKED INTO THE GROUND. SCARIFY THE EXISTING GRADES WITH FIELD CULTIVATOR PRIOR TO PLACING OF TOPSOIL AND FINISH GRADING FOR SOD. IMMEDIATELY PRIOR TO PLACING SOD, CONTRACTOR SHALL APPLY 10-6-4 FERTILIZER AT THE RATE OF 10 POUNDS PER 1000 SQ. FT.
- ALL AREAS SPECIFIED AS "NEW STORMWATER SEED MIX MNDOT 33-261" AND/OR "MNDOT 33-262" TO BE SEED PER MNDOT RECOMMENDED APPLICATION RATES AND METHODS. "MNDOT 33-261" AND/OR "MNDOT 33-262" APPROVED EQUAL IS A BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROL NEEDS TO ESTABLISH VIGOROUS GROWTH PER MNDOT 2014 SEEDING MANUAL STANDARDS.
- ALL AREAS SPECIFIED AS "NEW PRAIRIE NATIVE SEED MIX #1 MNDOT 35-221" TO BE SEED PER MNDOT RECOMMENDED APPLICATION RATES AND METHODS. "MNDOT 33-221" OR APPROVED EQUAL IS A BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROL NEEDS TO ESTABLISH VIGOROUS GROWTH PER MNDOT 2014 SEEDING MANUAL STANDARDS.
- ALL AREAS SPECIFIED AS "NEW PRAIRIE NATIVE SEED MIX #2 MNDOT 35-241" TO BE SEED PER MNDOT RECOMMENDED APPLICATION RATES AND METHODS. "MNDOT 33-241" OR APPROVED EQUAL IS A BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR ALL EROSION CONTROL NEEDS TO ESTABLISH VIGOROUS GROWTH PER MNDOT 2014 SEEDING MANUAL STANDARDS.



ANDERSON

13605 1st Avenue N. #100  
Plymouth, MN 55441 | ae-mn.com  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

CITATION CREEK DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

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PRINT NAME: CURT H. CLAEYS, PLA

SIGNATURE: **NOT FOR CONSTRUCTION**

DATE: 04/27/2023 LICENSE NO. 45613

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| 3   | 4-27-23 | CITY COMMENTS            |

PRELIMINARY PLAT  
APRIL 27, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>CHC | DRAWN:<br>JAF | CHECKED BY:<br>CHC |
|------------------|---------------|--------------------|

DRAWING TITLE

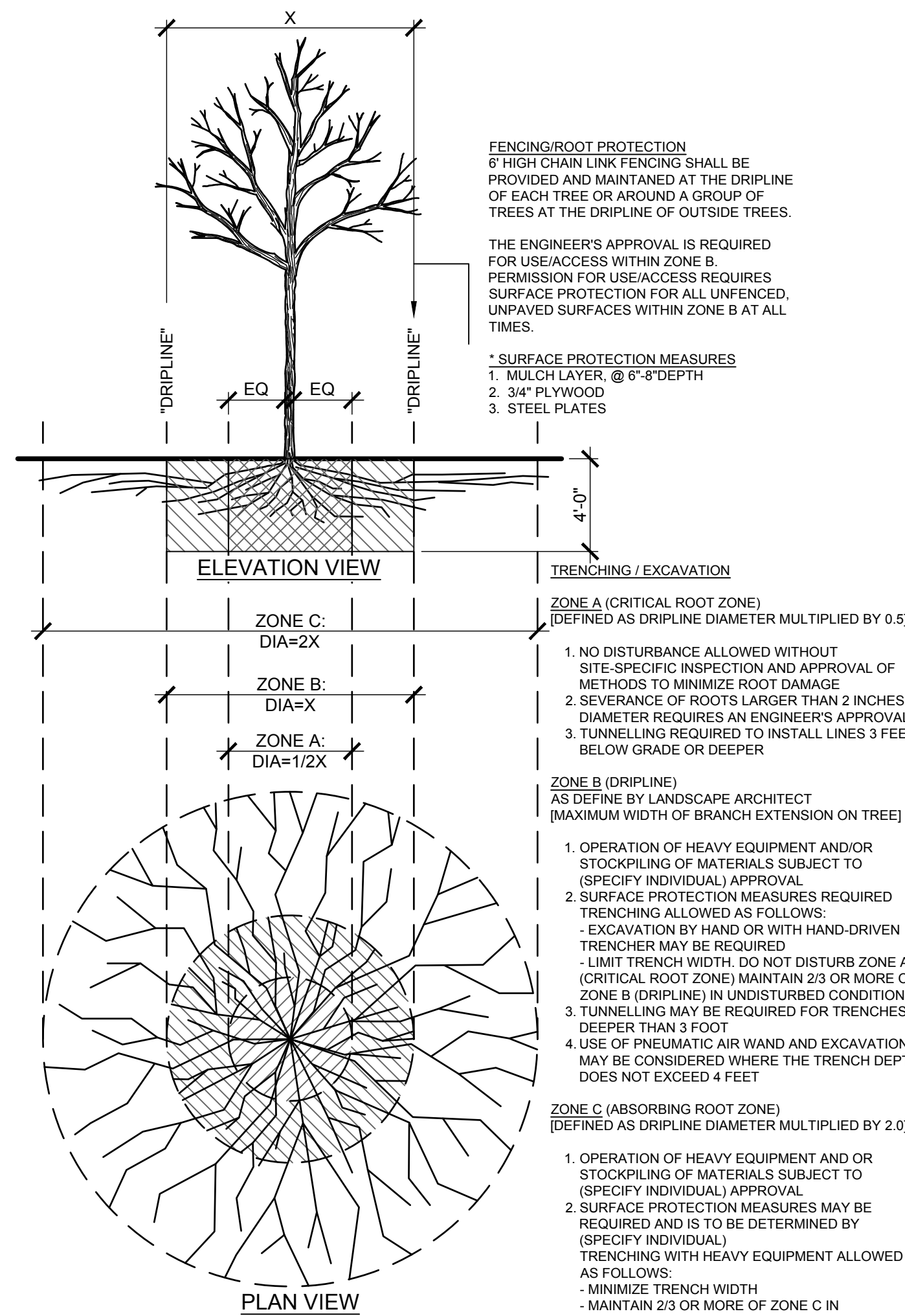
PLANTING NOTES & DETAILS

DRAWING NO.

L3

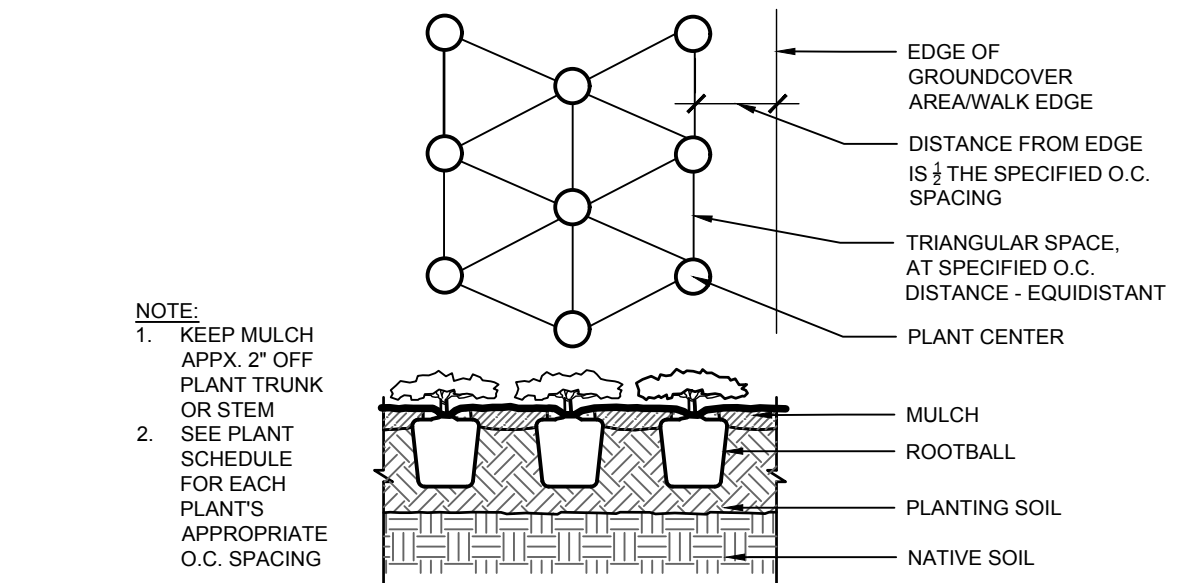
PLOTTED:  
4/27/23

COMM. NO.  
15311



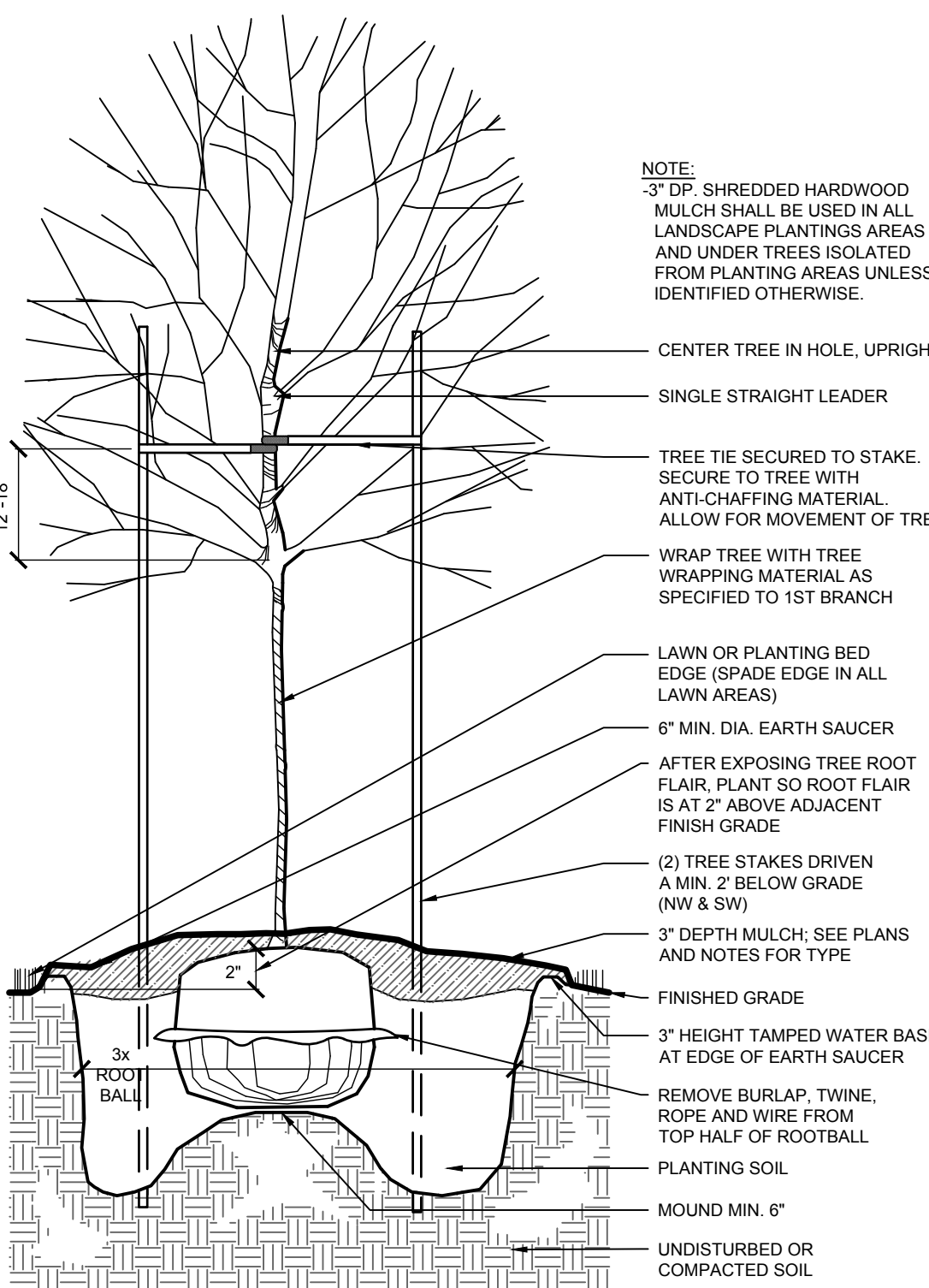
1 TREE PROTECTION DETAIL

SCALE: N.T.S.



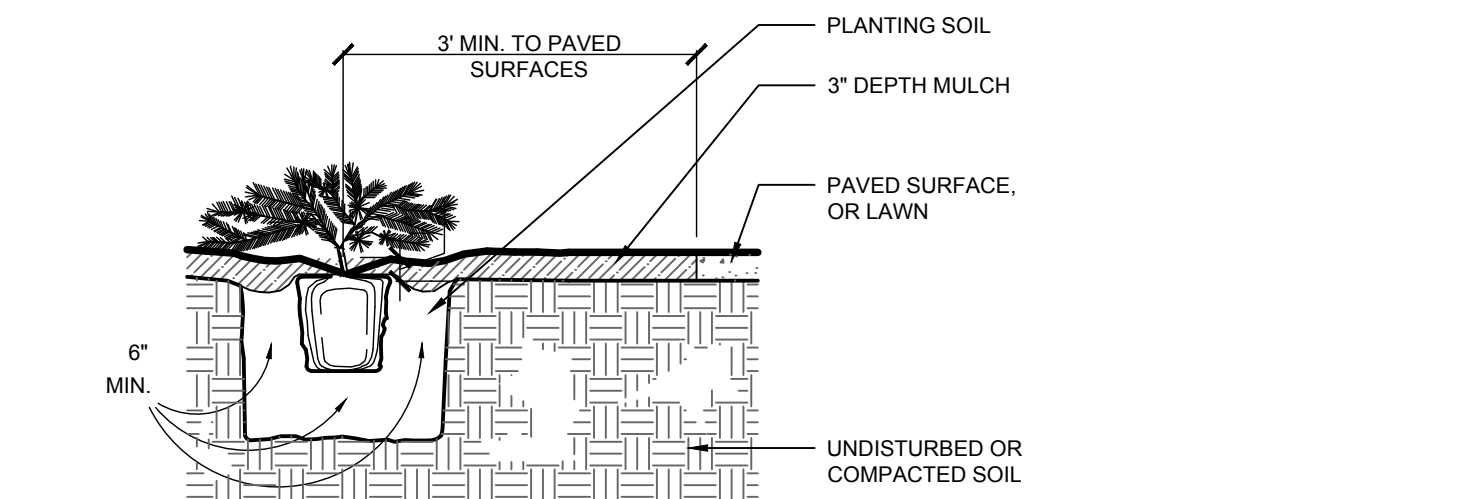
2 SHRUB BED SPACING ( TYP.)

SCALE: N.T.S.



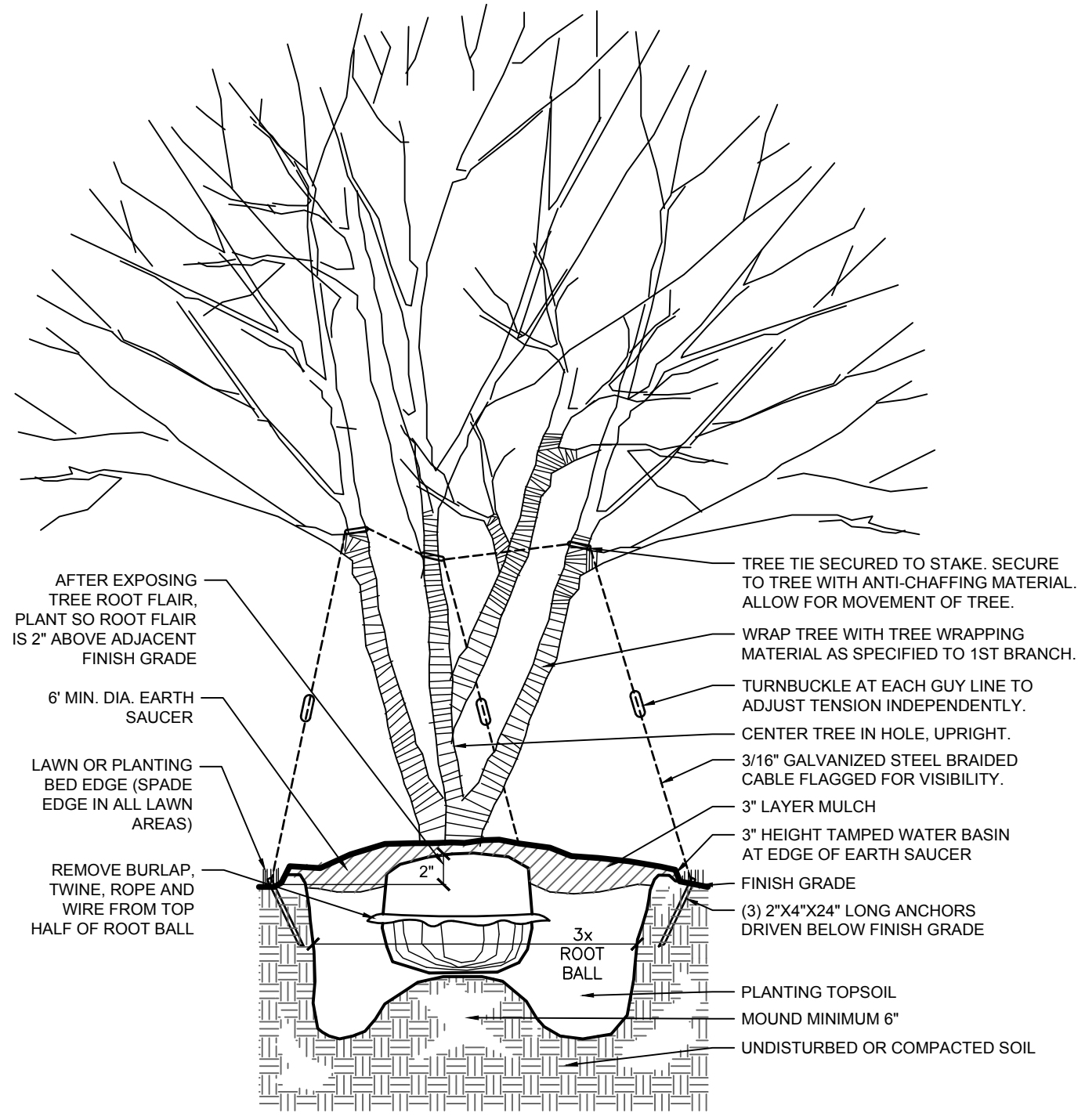
5 DECIDUOUS TREE PLANTING ( TYP.)

SCALE: N.T.S.



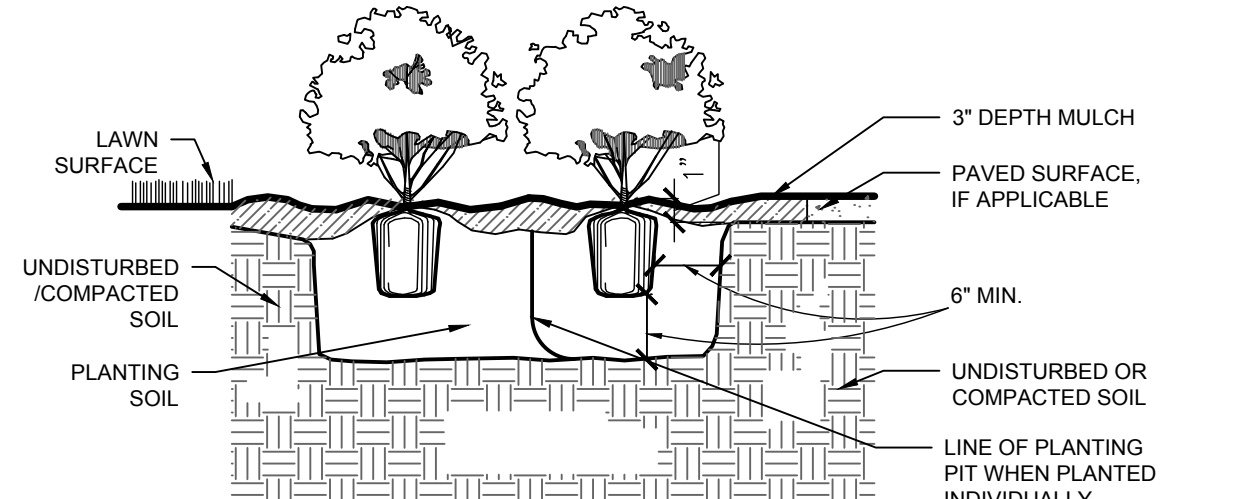
3 EVERGREEN SHRUB PLANTING ( TYP.)

SCALE: N.T.S.



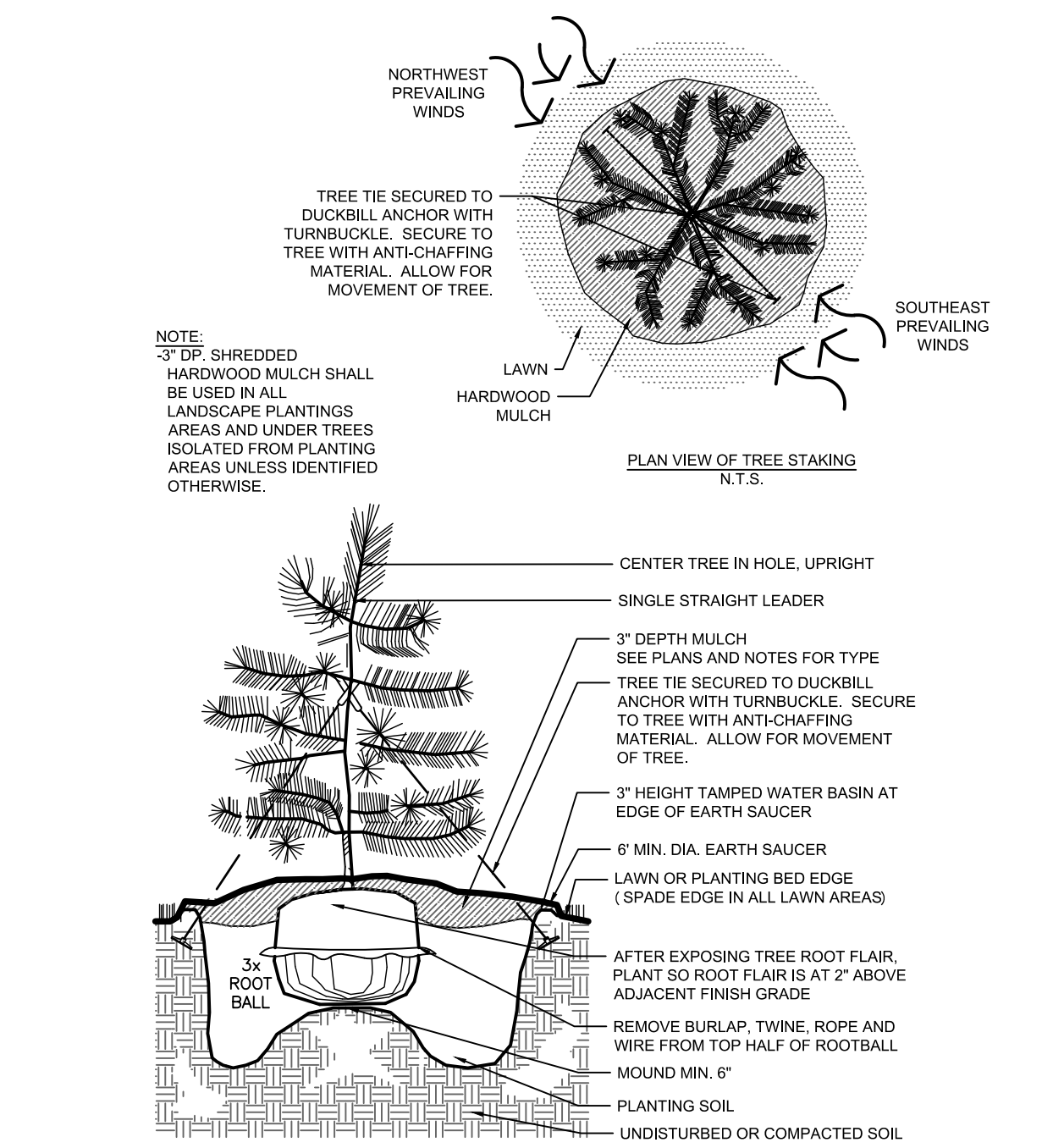
6 ORNAMENTAL TREE PLANTING ( TYP.)

SCALE: N.T.S.



4 DECIDUOUS SHRUB PLANTING ( TYP.)

SCALE: N.T.S.

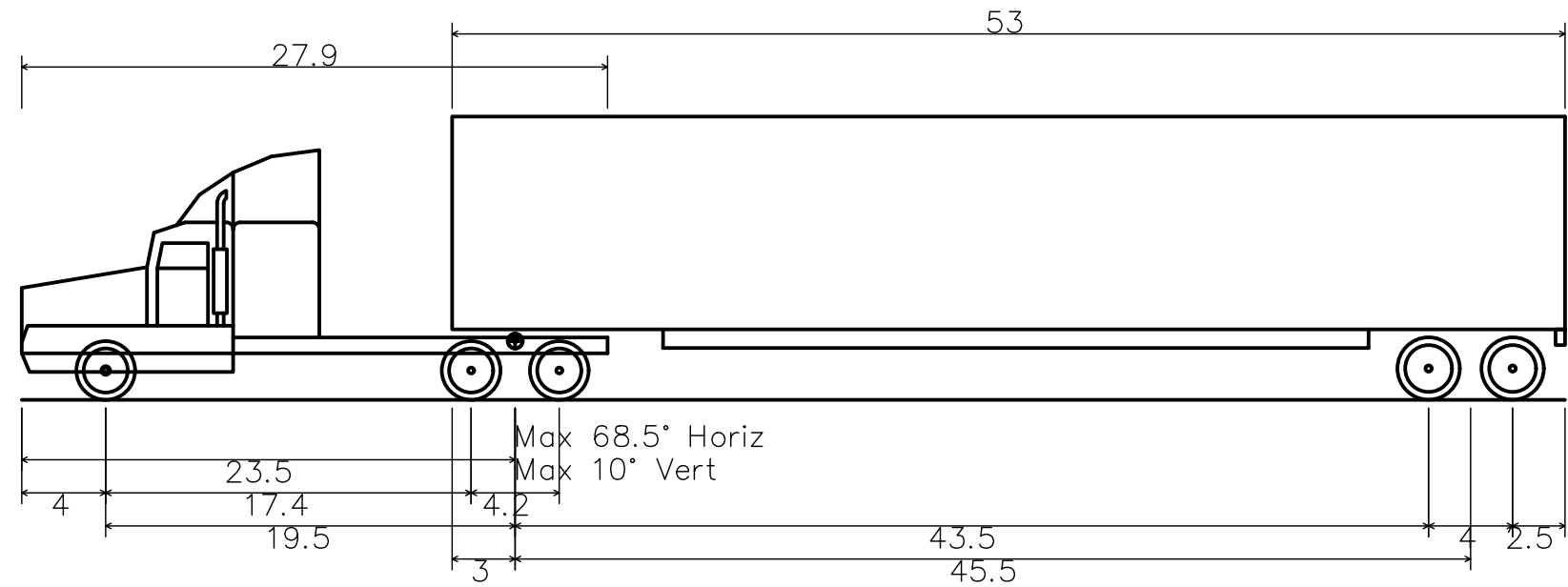
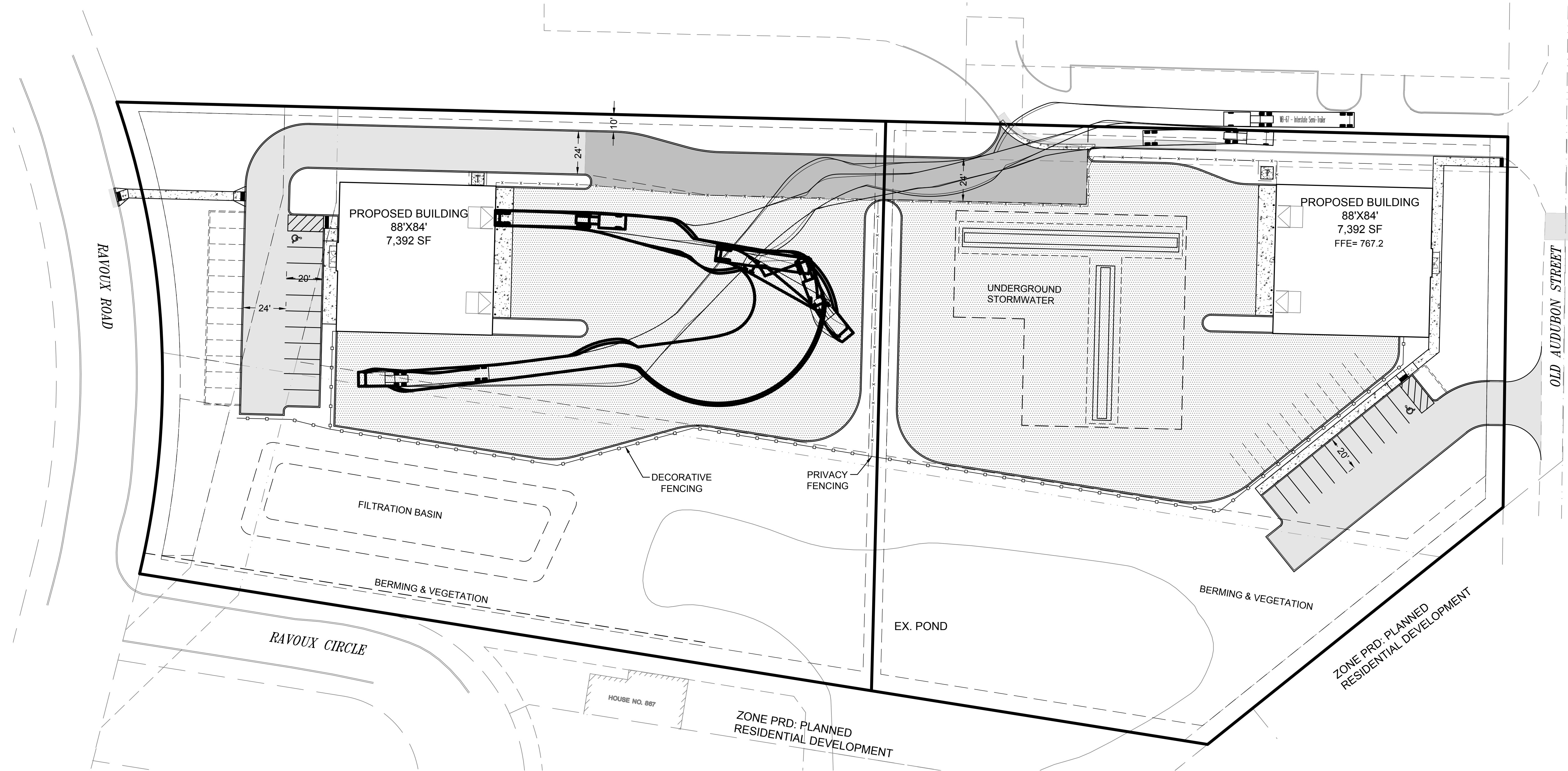


7 EVERGREEN TREE PLANTING ( TYP.)

SCALE: N.T.S.



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WB-67 - Interstate Semi-Trailer  
Overall Length 73.501ft  
Overall Width 8.500ft  
Overall Body Height 13.500ft  
Min Body Ground Clearance 1.334ft  
Max Track Width 8.500ft  
Lock-to-lock time 6.00s  
Max Steering Angle (Virtual) 28.40°

#### WB-67 SEMI-TRUCK DETAIL

SCALE: N.T.S.

LEGEND

- PROPERTY LIMITS
- BUILDING SETBACKS
- PARKING SETBACKS
- EXISTING DRAINAGE AND UTILITY EASEMENT
- CEDAR BOARD PRIVACY FENCE
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE C&G

**ANDERSON**  
13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
P 763.412.4000 | F 763.412.4090  
Anderson Engineering of Minnesota, LLC

#### CITATION CREEK DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

#### REVISION LOG

| NO. | DATE    | DESCRIPTION OF REVISIONS |
|-----|---------|--------------------------|
| 1   | 3-15-23 | TWO LOT LAYOUT           |

#### BID DOCUMENTS MARCH 24, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>DOA | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

#### DRAWING TITLE

TRUCK TURNING  
MOVEMENT EXHIBIT -  
LOT 1

#### DRAWING NO.

E1

PLOTTED:  
3/29/23

COMM. NO.  
15311





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## CHASKA, MINNESOTA

STRUCTURES INC.

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BID DOCUMENTS  
MARCH 24, 2023

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|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>DOA | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

## DRAWING TITLE

TRUCK TURNING  
MOVEMENT EXHIBIT-  
LOT 2

## DRAWING NO.

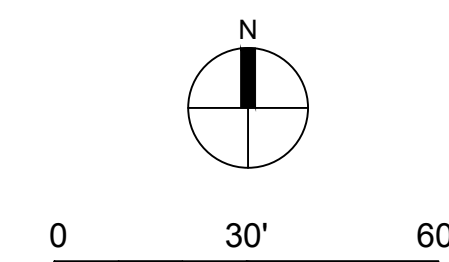
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| PLOTTED:<br>3/29/23 | COMM. NO<br>15311 |
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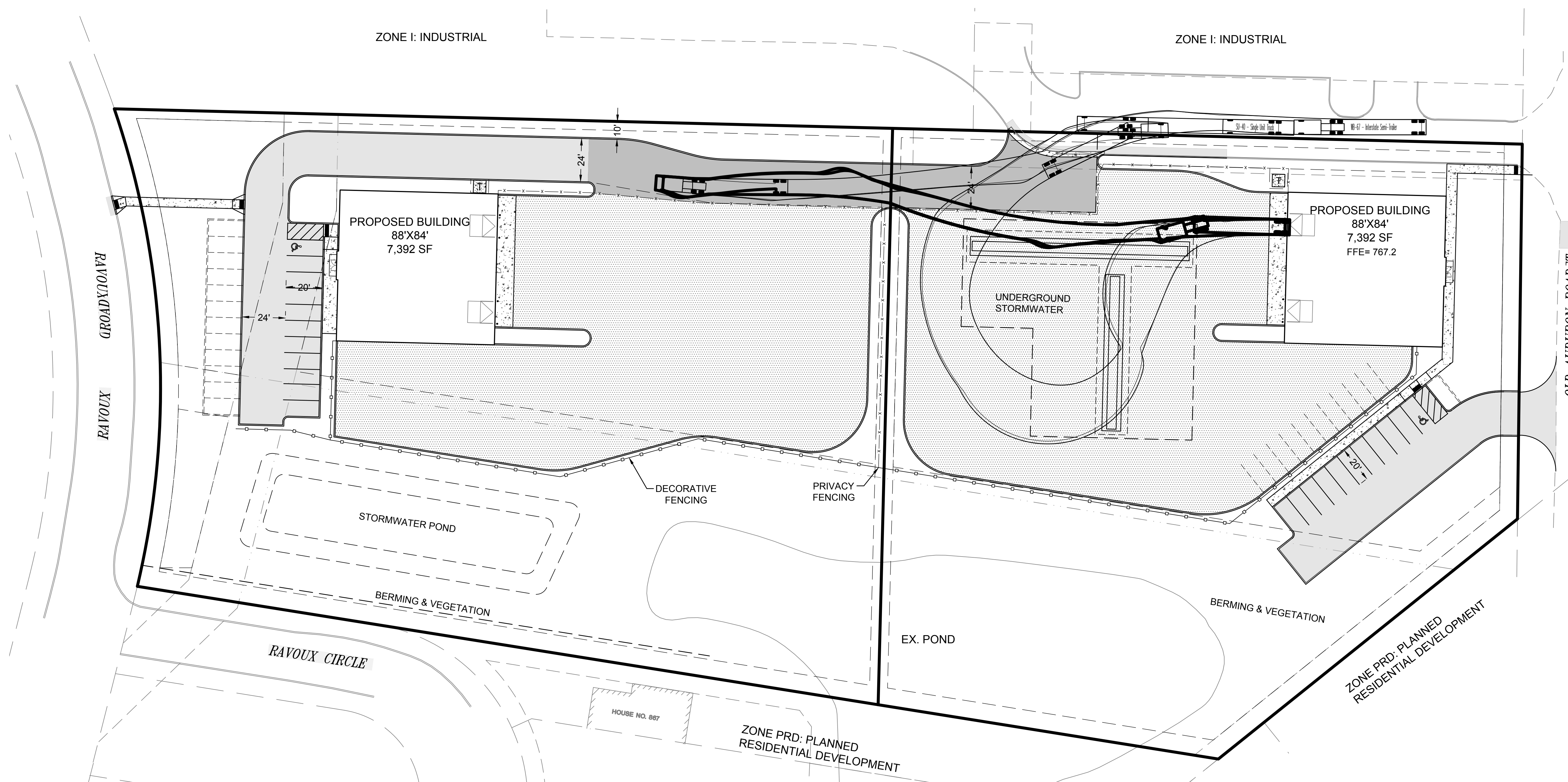
## SU-40 SEMI-TRUCK DETAIL

SCALE: N.T.S.



## LEGEND

|                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|
|  | PROPERTY LIMITS                        |
|  | BUILDING SETBACKS                      |
|  | PARKING SETBACKS                       |
|  | EXISTING DRAINAGE AND UTILITY EASEMENT |
|  | CEDAR BOARD PRIVACY FENCE              |
|  | PROPOSED BITUMINOUS PAVEMENT           |
|  | PROPOSED CONCRETE C&G                  |



Mar 29, 2023 - 4:14pm  
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PRELIMINARY PLAT  
APRIL 24, 2023

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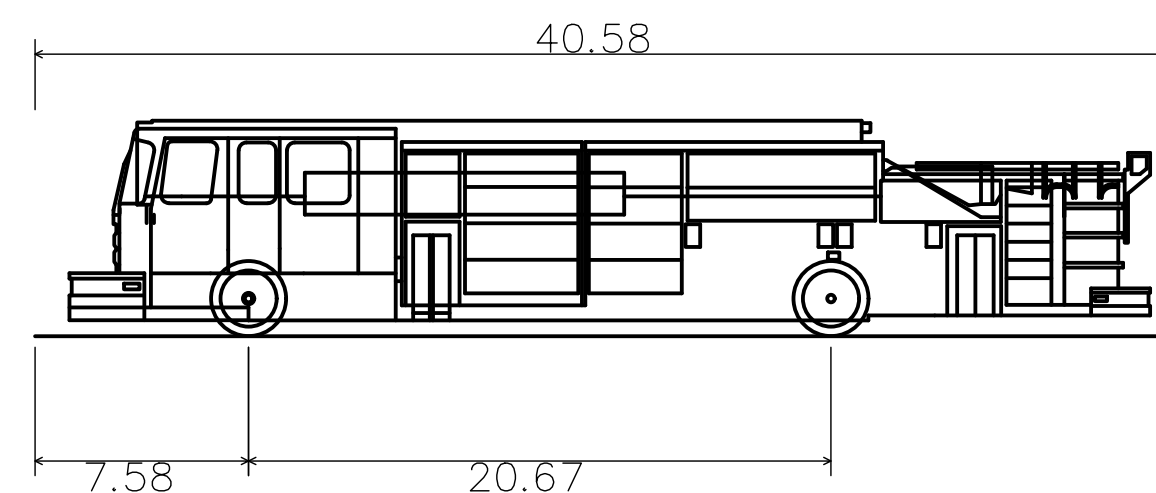
DRAWING TITLE

FIRE TRUCK TURNING  
MOVEMENT EXHIBIT -  
LOT 1

DRAWING NO.

E5

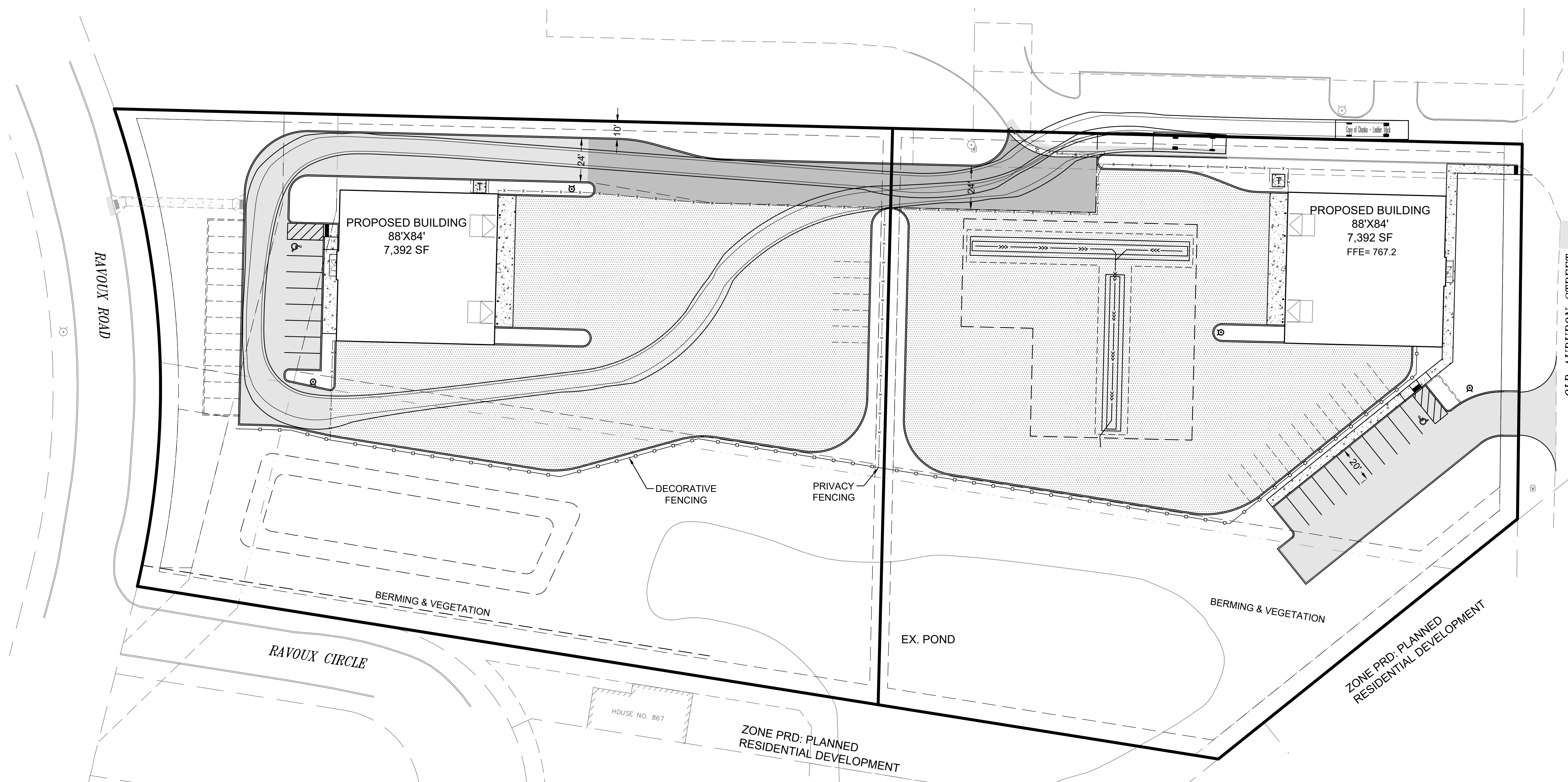
|                     |                   |
|---------------------|-------------------|
| PLOTTED:<br>4/26/23 | COMM. NO<br>15311 |
|---------------------|-------------------|



|                           |          |
|---------------------------|----------|
| Chaska — Ladder Truck     |          |
| Overall Length            | 40.580ft |
| Overall Width             | 10.500ft |
| Overall Body Height       | 7.647ft  |
| Min Body Ground Clearance | 0.558ft  |
| Track Width               | 7.610ft  |
| Lock-to-lock time         | 6.00s    |
| Max Wheel Angle           | 36.00°   |

CHASKA LADDER FIRE TRUCK DETAIL

SCALE: N.T.S.



Apr 26, 2023 - 4:41pm  
 daminga  
 S 1 15311  
 TITI FRI LOCK 24X36\ 15311 C base A1  
 Y:\15300\15311 HTG-STRUCTURES INC-CHASKA MN\ 000 Structures Lot Split 2022\ 07 Civil\ 01 CAD files\ 01 SHEETS\15311\_C\_FIRETURNING.dwg





13605 1st Avenue N. #100  
Plymouth, MN 55441 | [ae-mn.com](http://ae-mn.com)  
**P** 763.412.4000 | **F** 763.412.4090  
Anderson Engineering of Minnesota, LLC

CITATION CREEK  
DEVELOPMENT

CHASKA, MINNESOTA

STRUCTURES INC.

## REVISION LOG

| NO. | DATE    | DESCRIPTION OF REVISIONS |
|-----|---------|--------------------------|
| 1   | 4-4-23  | PRELIMINARY PLAT         |
| 2   | 4-24-23 | WATERSHED REVISIONS      |

PRELIMINARY PLAT  
APRIL 24, 2023

|                     |               |                    |
|---------------------|---------------|--------------------|
| DESIGNED:<br>B.J.F. | DRAWN:<br>DQA | CHECKED:<br>B.J.F. |
|---------------------|---------------|--------------------|

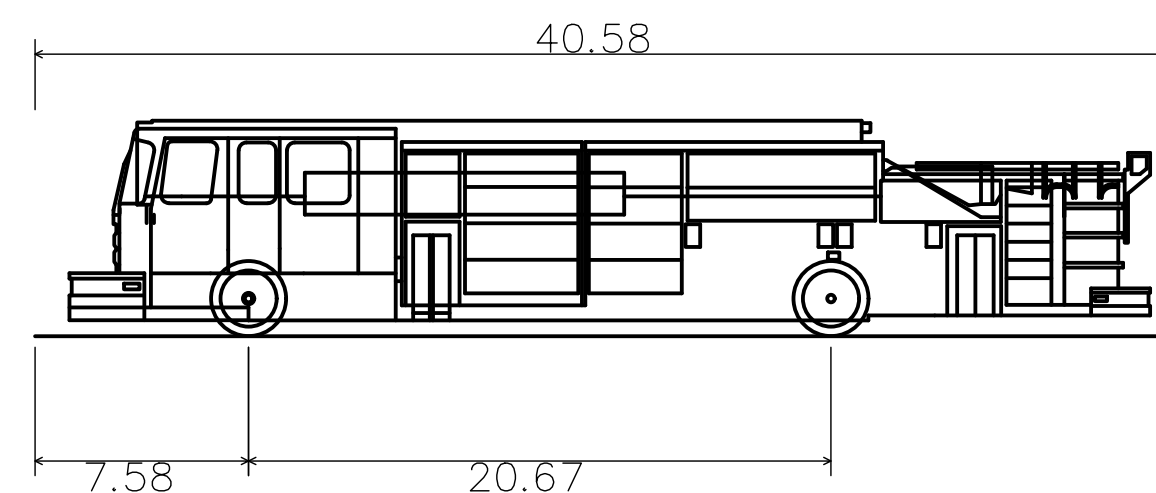
DRAWING TITLE

FIRE TRUCK TURNING  
MOVEMENT EXHIBIT-  
LOT 2

DRAWING NO.

E6

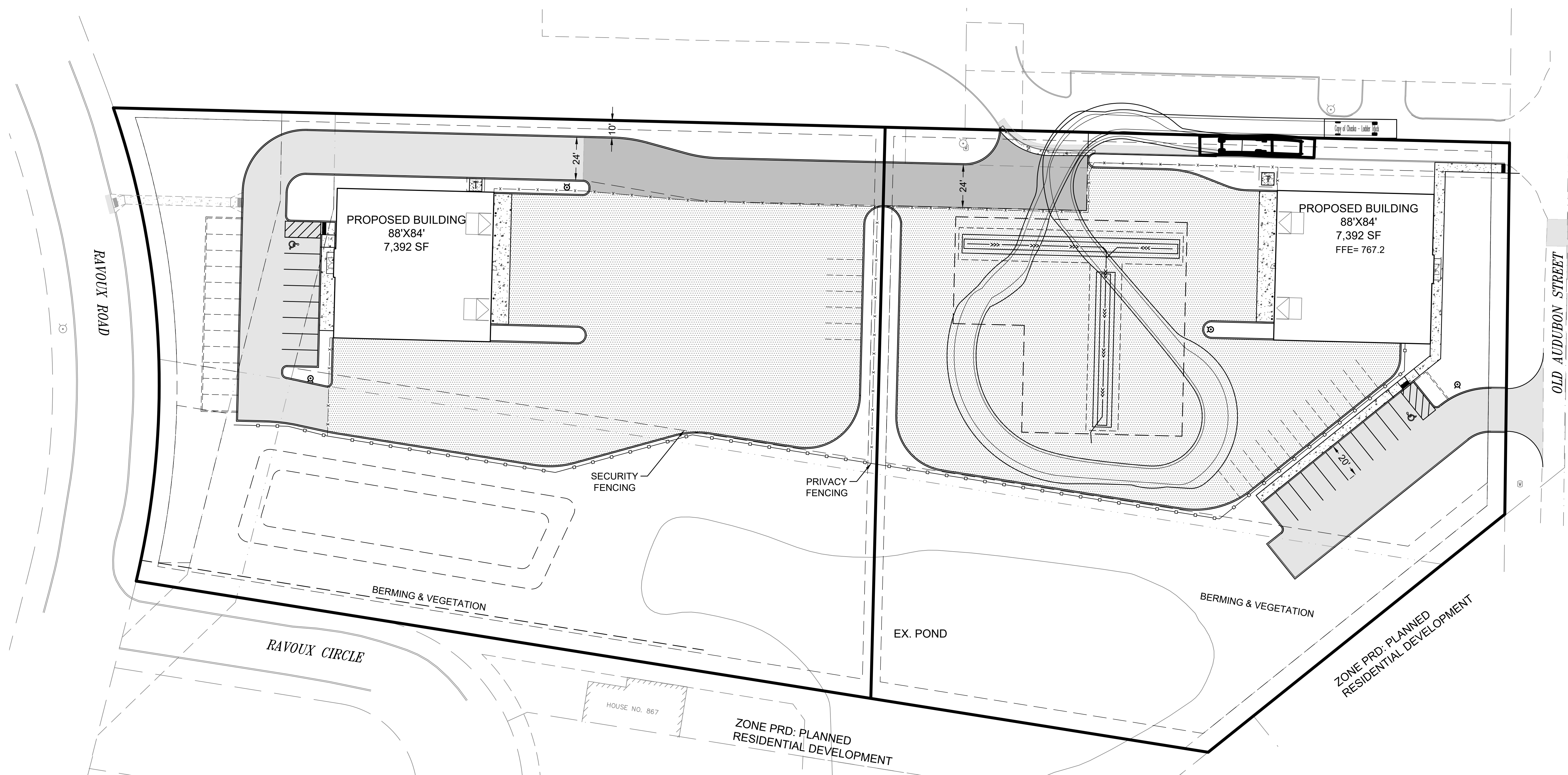
|          |           |
|----------|-----------|
| PLOTTED: | COMM. NO. |
| 4/26/23  | 15311     |



|                           |          |
|---------------------------|----------|
| Chaska — Ladder Truck     |          |
| Overall Length            | 40.580ft |
| Overall Width             | 10.500ft |
| Overall Body Height       | 7.647ft  |
| Min Body Ground Clearance | 0.558ft  |
| Track Width               | 7.610ft  |
| Lock-to-lock time         | 6.00s    |
| Max Wheel Angle           | 36.00°   |

CHASKA LADDER FIRE TRUCK DETAIL

SCALE: N.T.S.



Apr 26, 2023 - 4:41pm  
 daminga  
 S 1 15311  
 TITI FRI LOCK 24X36\ 15311 C base A1  
 Y:\15300\15311 HTG-STRUCTURES INC-CHASKA MN\ 000 Structures Lot Split 2022\ 07 Civil\ 01 CAD files\ 01 SHEETS\15311\_C\_FIRETURNING.dwg





## CHASKA, MINNESOTA

STRUCTURES INC.

## REVISION LOG

[illegible]

BID DOCUMENTS  
MARCH 24, 2023

|                  |               |                    |
|------------------|---------------|--------------------|
| DESIGNED:<br>BJF | DRAWN:<br>JPD | CHECKED BY:<br>BJF |
|------------------|---------------|--------------------|

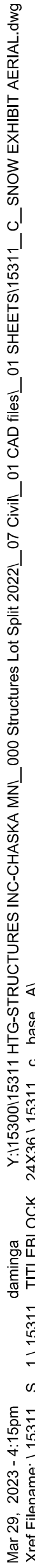
## DRAWING TITLE

# SNOW STORAGE EXHIBIT

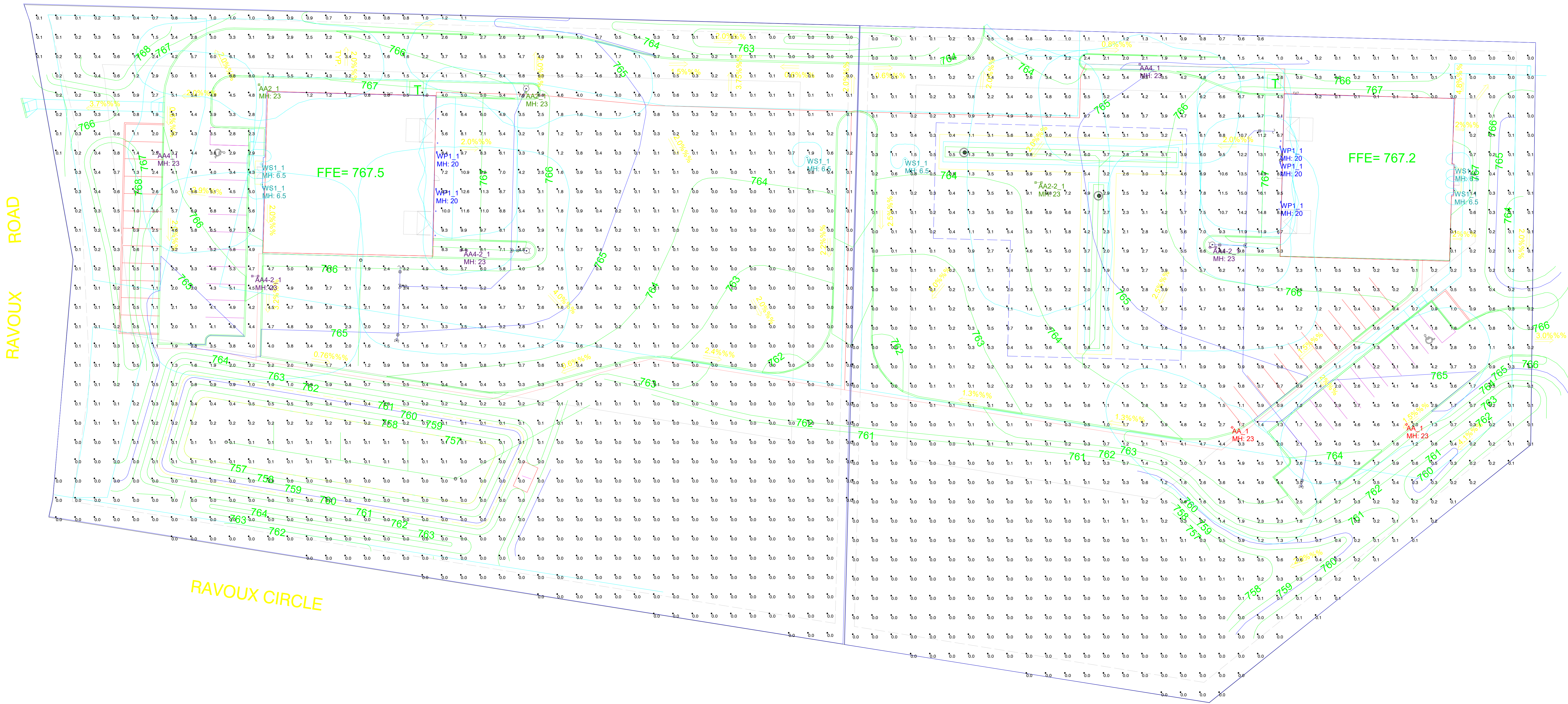
## DRAWING NO.

# E3

|                     |                    |
|---------------------|--------------------|
| PLOTTED:<br>3/29/23 | COMM. NO.<br>15311 |
|---------------------|--------------------|







| Calculation Summary |             |       |      |      |     |         |         |
|---------------------|-------------|-------|------|------|-----|---------|---------|
| Label               | CalcType    | Units | Avg  | Max  | Min | Avg/Min | Max/Min |
| LOT 1_Planar        | Illuminance | Fc    | 1.23 | 12.6 | 0.0 | N.A.    | N.A.    |
| LOT 2_Planar        | Illuminance | Fc    | 1.63 | 16.1 | 0.0 | N.A.    | N.A.    |

1. Lighting Reflectance of 80/50/20 used unless noted otherwise
2. Interior calc points shown at 30" A.F.F. unless noted otherwise
3. Exterior calc points shown at grade unless noted otherwise
4. Emergency egress calc points shown at 0" A.F.F.
5. Photometric drawings are for Design purposes only, not for Construction documents

| Luminaire Schedule |     |         |              |                       |             |             |            |
|--------------------|-----|---------|--------------|-----------------------|-------------|-------------|------------|
| Symbol             | Qty | Label   | Manufacturer | Description           | Arrangement | Lum. Lumens | Lum. Watts |
| ⬇                  | 2   | AA_1    |              | VP-2-320L-145-4K7-3   | Single      | 21761       | 150        |
| ⬆                  | 5   | WP1_1   |              | RWL2-160L-115-4K7-4-U | Single      | 14979       | 109.8      |
| ⬆⬆                 | 3   | AA4-2_1 |              | VP-2-320L-145-4K7-4W  | Back-Back   | 21357       | 150        |
| ⬆⬆                 | 6   | WS1_1   |              | BEGA 24506 BRZ K3     | Single      | 1814        | 22         |
| ⬆⬆                 | 2   | AA2_1   |              | VP-2-320L-145-4K7-2   | Single      | 21536       | 150        |
| ⬆⬆                 | 1   | AA2-2_1 |              | VP-2-320L-145-4K7-2   | Back-Back   | 21536       | 150        |
| ⬆⬆                 | 2   | AA4_1   |              | VP-2-320L-145-4K7-4W  | Single      | 21357       | 150        |

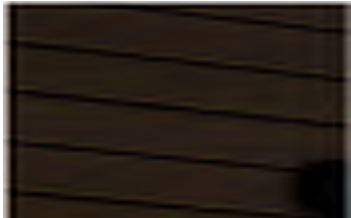




OPTION 1



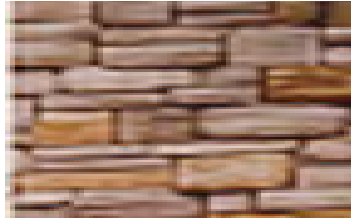
MODULAR BRICK



METAL PANEL



ARCHITECTURALLY TEXTURED  
PRECAST INSULATED WALL PANEL



MANUFACTURED STONE













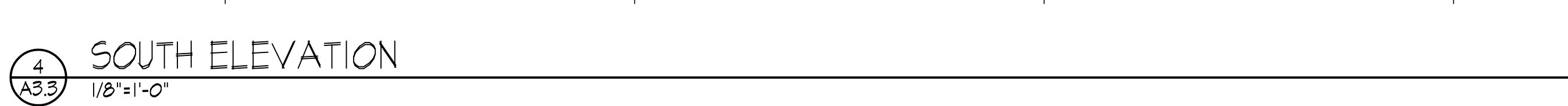
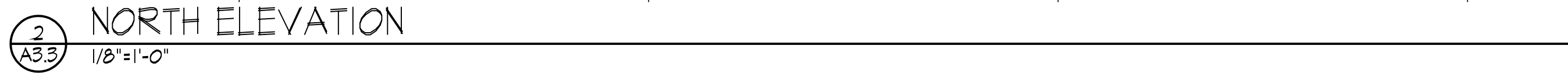
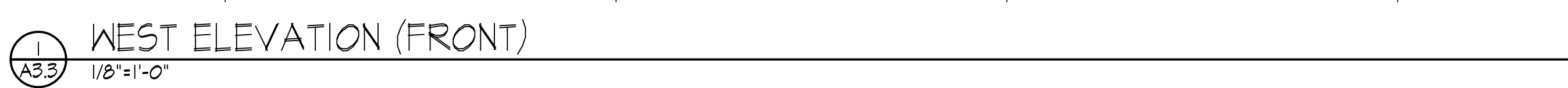
**HTG**  
architects

[illegible]

**A**

### ***A3.1***



The logo for HTG architects features the letters 'HTG' in a large, bold, black sans-serif font. A thick, grey, curved line sweeps from the bottom left, under the 'H' and 'T', and extends towards the right, passing behind the 'G'. Below the 'HTG' and the curve, the word 'architects' is written in a smaller, black, lowercase sans-serif font.

1010 Mainstreet, Suite 100  
Hopkins, MN. 55343  
Tel: 952.278.8880

**STRUCTURES INC.**  
**THREE LOT SPLIT**

[illegible]

**A**

### A3.3

Page 368 of 404



## CLAIMS ROSTER REPORT

FOR COUNCIL MEETING:

May 15, 2023

Paid and Unpaid Invoices:

Check #'s 346713-346867

**\$1,377,366.78**

Paid Electronic Invoices:

Wire #'s 3693-3705

**\$721,513.11**

**Amount for Approval-Council Meeting:**

**May 15, 2023**

**\$2,098,879.89**

# ANNUAL REPORT

1998-1999

1998-1999

1998-1999

1998-1999

1998-1999

1998-1999

1998-1999

1998-1999



## VENDOR INVOICE LIST

Checks

| INVOICE                         | P.O. | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
|---------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 100006 SCOTT A HUTNICK          |      |            |           |         |             |             |            |      |     |                        |
| 113082                          |      | 04/30/2023 | 051123    | 346726  | 450.00      | 450.00      | 05/15/2023 | INV  | PD  | Apr Animal Control     |
| CHECK DATE: 05/11/2023          |      |            |           |         |             |             |            |      |     |                        |
| 107858 ABDO EICK AND MEYERS LLP |      |            |           |         |             |             |            |      |     |                        |
| 471114                          |      | 04/30/2023 | 051623    | 346730  | 5,962.50    | 5,962.50    | 06/03/2023 | INV  | PD  | APR FINANCE TEMP-THORS |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 103825 ACUSHNET COMPANY         |      |            |           |         |             |             |            |      |     |                        |
| 300463837                       |      | 05/01/2023 | 051623    | 346731  | -7,865.63   | -7,865.63   | 12/31/2023 | CRM  | PD  | CREDIT FOR RANGE BALLS |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915583944                       |      | 04/26/2023 | 051623    | 346731  | 83.97       | 83.97       | 12/22/2023 | INV  | PD  | DEMO/RENTALS           |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915584438                       |      | 04/26/2023 | 051623    | 346731  | 85.17       | 85.17       | 05/26/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915606205                       |      | 04/28/2023 | 051623    | 346731  | 83.97       | 83.97       | 12/24/2023 | INV  | PD  | DEMO/RENTAL            |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915606206                       |      | 04/28/2023 | 051623    | 346731  | 500.29      | 500.29      | 05/28/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915606513                       |      | 04/28/2023 | 051623    | 346731  | 815.36      | 815.36      | 05/28/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915618775                       |      | 05/01/2023 | 051623    | 346731  | 108.77      | 108.77      | 05/31/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915654428                       |      | 05/04/2023 | 051623    | 346731  | 2,125.71    | 2,125.71    | 07/03/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915654683                       |      | 05/04/2023 | 051623    | 346731  | 6,031.34    | 6,031.34    | 07/03/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915655136                       |      | 05/04/2023 | 051623    | 346731  | 821.10      | 821.10      | 07/03/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915655149                       |      | 05/04/2023 | 051623    | 346731  | 58.15       | 58.15       | 06/03/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 915665569                       |      | 05/05/2023 | 051623    | 346731  | 284.18      | 284.18      | 07/04/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 100036 ADAM'S PEST CONTROL INC  |      |            |           |         | 3,132.38    |             |            |      |     |                        |

Report generated: 05/11/2023 11:34  
 User: 8482mrob  
 Program ID: apinvlst

Page 1

## VENDOR INVOICE LIST

| INVOICE                                       | P.O. | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
|-----------------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 3639539                                       |      | 04/21/2023 | 051623    | 346732  | 72.33       | 72.33       | 05/21/2023 | INV  | PD  | TC PEST CONTROL        |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 3639649                                       |      | 04/21/2023 | 051623    | 346732  | 42.95       | 42.95       | 05/21/2023 | INV  | PD  | TC PEST CONTROL        |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 3639751                                       |      | 04/21/2023 | 051623    | 346732  | 69.53       | 69.53       | 05/21/2023 | INV  | PD  | TC BUG LIGHT RENTAL    |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
|                                               |      |            |           |         | 184.81      |             |            |      |     |                        |
| 106669 ADIDAS AMERICA INC                     |      |            |           |         |             |             |            |      |     |                        |
| 6159440012                                    |      | 04/27/2023 | 051623    | 346733  | 108.41      | 108.41      | 06/26/2023 | INV  | PD  | UNIFORMS               |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 108949 ADVANTAGE COLLECTION PROFESSIONALS LLC |      |            |           |         |             |             |            |      |     |                        |
| 551930501                                     |      | 04/30/2023 | 051623    | 346734  | 20.84       | 20.84       | 06/03/2023 | INV  | PD  | Apr Collection Commiss |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 100073 AMARIL UNIFORM CO                      |      |            |           |         |             |             |            |      |     |                        |
| IV243493                                      |      | 04/12/2023 | 051623    | 346735  | 260.51      | 260.51      | 05/12/2023 | INV  | PD  | S. KORTUEM FR CLOTHING |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 100089 AMERICAN PRESSURE INC                  |      |            |           |         |             |             |            |      |     |                        |
| 134279                                        |      | 04/27/2023 | 051623    | 346736  | 1,394.65    | 1,394.65    | 05/27/2023 | INV  | PD  | PRESSURE WASHER REPAIR |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 100102 ANCOM COMMUNICATIONS INC               |      |            |           |         |             |             |            |      |     |                        |
| 113211                                        |      | 02/15/2023 | 051623    | 346737  | 3,685.02    | 3,685.02    | 03/17/2023 | INV  | PD  | NEW FD PAGERS + INTERE |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 100122 ARAMARK REFRESHMENT SERVICES           |      |            |           |         |             |             |            |      |     |                        |
| 4018927                                       |      | 04/14/2023 | 051623    | 346738  | 89.05       | 89.05       | 05/14/2023 | INV  | PD  | COFFEE FOR FD          |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 109938 SOCHENDA NELSON                        |      |            |           |         |             |             |            |      |     |                        |
| 113049                                        |      | 04/26/2023 | 051623    | 346739  | 75.26       | 75.26       | 06/05/2023 | INV  | PD  | Downtown temporary sig |
| CHECK DATE: 05/16/2023                        |      |            |           |         |             |             |            |      |     |                        |
| 106918 ARTHUR CLESEN INC                      |      |            |           |         |             |             |            |      |     |                        |

Report generated: 05/11/2023 11:34  
 User: 8482mrob  
 Program ID: apinvlst

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# City of Chaska

## VENDOR INVOICE LIST

| INVOICE                               | P.O.   | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
|---------------------------------------|--------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 5579-00                               |        | 04/27/2023 | 051623    | 346740  | 3,590.32    | 3,590.32    | 05/27/2023 | INV  | PD  | IRRIGATION PARTS-TC    |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 101930 AXON ENTERPRISE INC            |        |            |           |         |             |             |            |      |     |                        |
| INUS155543                            |        | 05/01/2023 | 051623    | 346741  | 12,384.00   | 12,384.00   | 05/31/2023 | INV  | PD  | Fleet Package          |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 105236 B & B TRANSFORMER INC          |        |            |           |         |             |             |            |      |     |                        |
| 28128                                 | 230071 | 05/05/2023 | 051623    | 346742  | 20,721.00   | 20,721.00   | 06/05/2023 | INV  | PD  | 167KVA TRN UG 601-2020 |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 28129                                 | 230069 | 05/05/2023 | 051623    | 346742  | 20,721.00   | 20,721.00   | 06/05/2023 | INV  | PD  | 167KVA TRN UG 601-2017 |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 28130                                 | 230072 | 05/05/2023 | 051623    | 346742  | 13,814.00   | 13,814.00   | 06/05/2023 | INV  | PD  | 167KVA TRN UG 601-2021 |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 107572 BAKER TILLY VIRCHOW KRAUSE LLP |        |            |           |         | 55,256.00   |             |            |      |     |                        |
| BTMA19311                             |        | 04/05/2023 | 051623    | 346743  | 3,100.00    | 3,100.00    | 05/05/2023 | INV  | PD  | 2013C FINAL ARB CALCUL |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| BTMA19635                             |        | 04/28/2023 | 051623    | 346743  | 850.00      | 850.00      | 05/28/2023 | INV  | PD  | 2009A ARB CALCULATION  |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| BTMA19636                             |        | 04/28/2023 | 051623    | 346743  | 9,300.00    | 9,300.00    | 05/28/2023 | INV  | PD  | 2017A/B/E ARB CALCULAT |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| BTMA19637                             |        | 04/28/2023 | 051623    | 346743  | 3,100.00    | 3,100.00    | 05/28/2023 | INV  | PD  | 2017A EDA ARB CALCULAT |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
|                                       |        |            |           |         | 16,350.00   |             |            |      |     |                        |
| 100174 BAUER BUILT TIRE AND BATTERY   |        |            |           |         |             |             |            |      |     |                        |
| 180291215                             |        | 05/01/2023 | 051623    | 346744  | 947.00      | 947.00      | 06/15/2023 | INV  | PD  | #125 SKID LOADER       |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 111286 BERGERON, JUSTIN               |        |            |           |         |             |             |            |      |     |                        |
| 36031                                 |        | 04/28/2023 | 051623    | 346745  | 281.95      | 281.95      | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |
| 100188 BERRY COFFEE COMPANY           |        |            |           |         |             |             |            |      |     |                        |
| 952960                                |        | 05/05/2023 | 051623    | 346746  | 67.30       | 67.30       | 06/05/2023 | INV  | PD  | CCC coffee             |
| CHECK DATE: 05/16/2023                |        |            |           |         |             |             |            |      |     |                        |

Report generated: 05/11/2023 11:34  
 User: 8482mrob  
 Program ID: apinvlst

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# City of Chaska

## VENDOR INVOICE LIST

| INVOICE                             | P.O.   | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
|-------------------------------------|--------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 111285 BIERLEIN, RYAN               |        |            |           |         |             |             |            |      |     |                        |
| 10014350                            |        | 04/28/2023 | 051623    | 346747  | 246.82      | 246.82      | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 107753 BITUMINOUS ROADWAYS INC      |        |            |           |         |             |             |            |      |     |                        |
| 32464                               |        | 04/30/2023 | 051623    | 346748  | 5,739.91    | 5,739.91    | 05/30/2023 | INV  | PD  | LYMAN PIPE BURSTING RE |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 102279 BOLTON & MENK INC            |        |            |           |         |             |             |            |      |     |                        |
| 0311296                             |        | 04/28/2023 | 051623    | 346749  | 94,398.74   | 94,398.74   | 05/28/2023 | INV  | PD  | TH 41 & CSAH 61 IMPROV |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 100214 BORDER STATES INDUSTRIES INC |        |            |           |         |             |             |            |      |     |                        |
| 926213109                           |        | 05/01/2023 | 051623    | 346750  | 478.09      | 478.09      | 06/25/2023 | INV  | PD  | DIELECTRIC GREASE      |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 926245816                           | 230068 | 05/05/2023 | 051623    | 346750  | 11,881.55   | 11,881.55   | 06/25/2023 | INV  | PD  | FAULT INDICATORS OH 15 |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 100226 BRAUN INTERTEC CORPORATION   |        |            |           |         | 12,359.64   |             |            |      |     |                        |
| 8341071                             |        | 05/05/2023 | 051623    | 346751  | 2,193.50    | 2,193.50    | 06/05/2023 | INV  | PD  | CREEK RD UTILITY, STRE |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 107909 VISTA OUTDOOR SALES LLC      |        |            |           |         |             |             |            |      |     |                        |
| 886672                              |        | 04/25/2023 | 051623    | 346752  | 240.81      | 240.81      | 05/25/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 100275 CALLAWAY GOLF                |        |            |           |         |             |             |            |      |     |                        |
| 936396440                           |        | 04/26/2023 | 051623    | 346753  | 1,286.23    | 1,286.23    | 12/01/2023 | INV  | PD  | DEMO/RENTALS           |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 936396441                           |        | 04/26/2023 | 051623    | 346753  | 118.80      | 118.80      | 06/25/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 936411229                           |        | 04/28/2023 | 051623    | 346753  | 262.80      | 262.80      | 06/27/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |
| 936436156                           |        | 05/03/2023 | 051623    | 346753  | 420.94      | 420.94      | 12/01/2023 | INV  | PD  | DEMO/RENTALS           |
| CHECK DATE: 05/16/2023              |        |            |           |         |             |             |            |      |     |                        |

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| 936436157<br>CHECK DATE: 05/16/2023         |      | 05/03/2023 | 051623    | 346753  | 709.64      | 709.64      | 12/01/2023 | INV  | PD  | DEMO/RENTALS           |
| 936436158<br>CHECK DATE: 05/16/2023         |      | 05/03/2023 | 051623    | 346753  | 118.80      | 118.80      | 07/02/2023 | INV  | PD  | RESALE                 |
| 936439845<br>CHECK DATE: 05/16/2023         |      | 05/03/2023 | 051623    | 346753  | 475.20      | 475.20      | 08/31/2023 | INV  | PD  | RESALE                 |
| 100302 CARVER COUNTY                        |      |            |           |         | 3,392.41    |             |            |      |     |                        |
| 3201<br>CHECK DATE: 05/16/2023              |      | 05/03/2023 | 051623    | 346754  | 17,450.00   | 17,450.00   | 06/02/2023 | INV  | PD  | 2023 County TIF Admin  |
| 100323 CDW GOVERNMENT INC                   |      |            |           |         |             |             |            |      |     |                        |
| JB97883<br>CHECK DATE: 05/16/2023           |      | 04/18/2023 | 051623    | 346755  | 277.40      | 277.40      | 05/18/2023 | INV  | PD  | WIRELESS HEADSET       |
| JC18004<br>CHECK DATE: 05/16/2023           |      | 04/18/2023 | 051623    | 346755  | 28.00       | 28.00       | 05/18/2023 | INV  | PD  | SMART HIGHLIGHTER      |
| JC47035<br>CHECK DATE: 05/16/2023           |      | 04/19/2023 | 051623    | 346755  | 12,634.70   | 12,634.70   | 05/19/2023 | INV  | PD  | COMPUTER REPLACEMENT P |
| JG96355<br>CHECK DATE: 05/16/2023           |      | 04/27/2023 | 051623    | 346755  | 82.11       | 82.11       | 05/27/2023 | INV  | PD  | GO CASE-BLDG MAINT     |
| JH06712<br>CHECK DATE: 05/16/2023           |      | 04/27/2023 | 051623    | 346755  | 104.82      | 104.82      | 05/27/2023 | INV  | PD  | TV MOUNT-PARK & REC    |
| JH49892<br>CHECK DATE: 05/16/2023           |      | 04/28/2023 | 051623    | 346755  | 496.29      | 496.29      | 05/28/2023 | INV  | PD  | SMART TV-PARK & REC    |
| 100332 CENTERPOINT ENERGY RESOURCES CORP    |      |            |           |         | 13,623.32   |             |            |      |     |                        |
| 105010300/APR23<br>CHECK DATE: 05/11/2023   |      | 05/03/2023 | 051123    | 346727  | 3,940.83    | 3,940.83    | 05/31/2023 | INV  | PD  | APR 3210 CHASKA BLVD G |
| 109045922/APR23<br>CHECK DATE: 05/11/2023   |      | 05/04/2023 | 051123    | 346727  | 9,553.48    | 9,553.48    | 06/01/2023 | INV  | PD  | APR 1661 PARK RIDGE DR |
| 109052076/APR23<br>CHECK DATE: 05/11/2023   |      | 05/04/2023 | 051123    | 346727  | 5,410.94    | 5,410.94    | 06/01/2023 | INV  | PD  | APR 1611 PARK RIDGE DR |
| 64030791582/APR23<br>CHECK DATE: 05/11/2023 |      | 05/03/2023 | 051123    | 346727  | 63.64       | 63.64       | 05/31/2023 | INV  | PD  | APR 216 W 4TH ST GAS S |
| 64030828871/APR23                           |      | 05/03/2023 | 051123    | 346727  | 66.70       | 66.70       | 05/31/2023 | INV  | PD  | APR 423 N WALNUT ST GA |

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| CHECK DATE: 05/11/2023            |        |            |           |         |             |             |            |      |     |                        |
| 100337 QWEST CORPORATION          |        |            |           |         | 19,035.59   |             |            |      |     |                        |
| 313773369/MAY23                   |        | 05/01/2023 | 051123    | 346728  | 73.00       | 73.00       | 05/26/2023 | INV  | PD  | MAY CCC BURGLAR ALARM  |
| CHECK DATE: 05/11/2023            |        |            |           |         |             |             |            |      |     |                        |
| 640084636                         |        | 05/01/2023 | 050923    | 346717  | 353.76      | 353.76      | 05/31/2023 | INV  | PD  | MAY SIP PHONE BILL     |
| CHECK DATE: 05/09/2023            |        |            |           |         |             |             |            |      |     |                        |
| 640195729                         |        | 05/01/2023 | 050923    | 346717  | 850.10      | 850.10      | 05/31/2023 | INV  | PD  | MAY INTERNET SERVICE   |
| CHECK DATE: 05/09/2023            |        |            |           |         |             |             |            |      |     |                        |
| 100379 CITY OF CHANHASSEN         |        |            |           |         | 1,276.86    |             |            |      |     |                        |
| 113046                            |        | 04/28/2023 | 051623    | 346756  | 1,319.00    | 1,319.00    | 05/28/2023 | INV  | PD  | Orchestra Hall Trip Ex |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| 111213 CHASKA COMMONS LLC         |        |            |           |         |             |             |            |      |     |                        |
| JUN 2023 UNIT 1                   | 230057 | 05/15/2023 | 051623    | 346757  | 980.00      | 980.00      | 06/01/2023 | INV  | PD  | Jun Rent-Unit #1 210 1 |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| JUN 2023 UNIT 2                   | 230056 | 05/15/2023 | 051623    | 346757  | 665.00      | 665.00      | 06/01/2023 | INV  | PD  | Jun Rent-Unit #2 210 1 |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| JUN 2023 UNIT 3                   | 230055 | 05/15/2023 | 051623    | 346757  | 1,475.00    | 1,475.00    | 06/01/2023 | INV  | PD  | Jun Rent-Unit #3 210 c |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| 100368 CHASKA LAUNDRY CENTER      |        |            |           |         | 3,120.00    |             |            |      |     |                        |
| 2244                              |        | 04/30/2023 | 051623    | 346758  | 16.03       | 16.03       | 05/20/2023 | INV  | PD  | APR TOWELS-TC          |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| 111123 CHRISTIANSEN, HEIDI        |        |            |           |         |             |             |            |      |     |                        |
| 10011403-2                        |        | 04/28/2023 | 051623    | 346759  | 51.76       | 51.76       | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| 110240 CINTAS CORPORATION NO 2    |        |            |           |         |             |             |            |      |     |                        |
| 5154884808                        |        | 04/21/2023 | 051623    | 346760  | 244.10      | 244.10      | 05/21/2023 | INV  | PD  | 1st Aid Supplies for c |
| CHECK DATE: 05/16/2023            |        |            |           |         |             |             |            |      |     |                        |
| 109942 MANSFIELD TOP SERVICES INC |        |            |           |         |             |             |            |      |     |                        |

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| 32009015929<br>CHECK DATE: 05/16/2023       |        | 04/01/2023 | 051623    | 346761  | 3,543.62    | 3,543.62    | 05/01/2023 | INV  | PD  | Apr Cur'l/Event Cleanin |
| 32009016591<br>CHECK DATE: 05/16/2023       |        | 05/01/2023 | 051623    | 346761  | 3,491.25    | 3,491.25    | 05/31/2023 | INV  | PD  | May Cur'l/Event Cleanin |
| 42009007547<br>CHECK DATE: 05/16/2023       |        | 04/27/2023 | 051623    | 346761  | 91.88       | 91.88       | 05/27/2023 | INV  | PD  | Apr Event Ctr Labor     |
|                                             |        |            |           |         | 7,126.75    |             |            |      |     |                         |
| 100419 CLOVER CONDOMINIUM ASSOCIATION       |        |            |           |         |             |             |            |      |     |                         |
| 498838-18<br>CHECK DATE: 05/16/2023         | 230005 | 05/15/2023 | 051623    | 346762  | 419.95      | 419.95      | 06/01/2023 | INV  | PD  | JUN COMMUNITY ROOM DUE  |
| 111222 CNH ARCHITECTS LTD                   |        |            |           |         |             |             |            |      |     |                         |
| 2725<br>CHECK DATE: 05/16/2023              |        | 04/30/2023 | 051623    | 346763  | 48,771.12   | 48,771.12   | 06/04/2023 | INV  | PD  | PUBLIC SAFETY CAMPUS D  |
| 111287 COCHRAN, IAN                         |        |            |           |         |             |             |            |      |     |                         |
| 36565<br>CHECK DATE: 05/16/2023             |        | 04/28/2023 | 051623    | 346764  | 56.78       | 56.78       | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND-  |
| 107399 OCCUPATIONAL HEALTH CENTERS OF MN PC |        |            |           |         |             |             |            |      |     |                         |
| 103757374<br>CHECK DATE: 05/16/2023         |        | 04/12/2023 | 051623    | 346765  | 185.00      | 185.00      | 05/24/2023 | INV  | PD  | PRE-PLACEMENT PHYSICAL  |
| 106301 CORE AND MAIN LP                     |        |            |           |         |             |             |            |      |     |                         |
| S680753<br>CHECK DATE: 05/16/2023           |        | 04/14/2023 | 051623    | 346766  | 232.80      | 232.80      | 05/14/2023 | INV  | PD  | IRRIGATION COMPONENTS   |
| S734525<br>CHECK DATE: 05/16/2023           |        | 04/25/2023 | 051623    | 346766  | 3,637.04    | 3,637.04    | 05/25/2023 | INV  | PD  | MAINTENANCE AT OAK AND  |
| S736362<br>CHECK DATE: 05/16/2023           |        | 04/25/2023 | 051623    | 346766  | 241.78      | 241.78      | 05/25/2023 | INV  | PD  | MAINTENANCE AT OAK AND  |
| S770138<br>CHECK DATE: 05/16/2023           |        | 04/28/2023 | 051623    | 346766  | -845.09     | -845.09     | 05/28/2023 | CRM  | PD  | MAINTENANCE CREDIT AT   |
|                                             |        |            |           |         | 3,266.53    |             |            |      |     |                         |
| 103870 DIVERSIFIED PLUMBING AND HEATING INC |        |            |           |         |             |             |            |      |     |                         |
| 36100                                       |        | 05/04/2023 | 051623    | 346767  | 165.00      | 165.00      | 05/19/2023 | INV  | PD  | BIG WOODS BLVD RPZ TES  |

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| INVOICE                         | P.O.        | INV DATE   | CHECK RUN  | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE  | TYPE       | STS | INVOICE DESCRIPTION |                        |
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| 36101                           | CHECK DATE: | 05/16/2023 | 05/04/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/04/2023 | INV | PD                  | BIG WOODS BLVD RPZ TES |
| 36102                           | CHECK DATE: | 05/16/2023 | 05/04/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/04/2023 | INV | PD                  | WTP RPZ TESTING        |
| 36105                           | CHECK DATE: | 05/16/2023 | 05/04/2023 | 051623  | 346767      | 165.00      | 165.00    | 05/19/2023 | INV | PD                  | BEST WESTERN RPZ TESTI |
| 36106                           | CHECK DATE: | 05/16/2023 | 05/04/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/04/2023 | INV | PD                  | CURLING CENTER RPZ TES |
| 36115                           | CHECK DATE: | 05/16/2023 | 05/04/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/04/2023 | INV | PD                  | WTP RPZ TESTING        |
| 36127                           | CHECK DATE: | 05/16/2023 | 05/05/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/05/2023 | INV | PD                  | SUNSET PARK            |
| 36128                           | CHECK DATE: | 05/16/2023 | 05/05/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/05/2023 | INV | PD                  | WTP RPZ TESTING        |
| 36129                           | CHECK DATE: | 05/16/2023 | 05/05/2023 | 051623  | 346767      | 165.00      | 165.00    | 06/05/2023 | INV | PD                  | WTP RPZ TESTING        |
|                                 |             |            |            |         | 1,485.00    |             |           |            |     |                     |                        |
| 100548 DON WHERLEY MASONRY INC  |             |            |            |         |             |             |           |            |     |                     |                        |
| 112958                          | CHECK DATE: | 05/16/2023 | 05/02/2023 | 051623  | 346768      | 3,000.00    | 3,000.00  | 06/02/2023 | INV | PD                  | WO# 41/1ST REPLACE SID |
| 100566 DVS                      |             |            |            |         |             |             |           |            |     |                     |                        |
| 113101                          | CHECK DATE: | 05/16/2023 | 05/09/2023 | 051623  | 346769      | 25.00       | 25.00     | 05/30/2023 | INV | PD                  | Vehicle Forfeiture - T |
| 100598 ELLINGSON DRAINAGE INC   |             |            |            |         |             |             |           |            |     |                     |                        |
| 34243                           | CHECK DATE: | 05/16/2023 | 04/25/2023 | 051623  | 346770      | 13,170.00   | 13,170.00 | 05/25/2023 | INV | PD                  | WO# 12765 HWY 41/61 DW |
| 34244                           | CHECK DATE: | 05/16/2023 | 04/25/2023 | 051623  | 346770      | 2,370.00    | 2,370.00  | 05/25/2023 | INV | PD                  | WO# 12765 41/61 DWNTWN |
|                                 |             |            |            |         | 15,540.00   |             |           |            |     |                     |                        |
| 110104 RALNY FALLS VENTURES LLC |             |            |            |         |             |             |           |            |     |                     |                        |
| 672                             | CHECK DATE: | 05/16/2023 | 04/26/2023 | 051623  | 346771      | 170.00      | 170.00    | 05/26/2023 | INV | PD                  | FF GEAR DECON          |

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| 100619 ESS BROTHERS & SONS INC                  |      |            |           |         |             |             |            |      |     |                        |
| DD1575                                          |      | 04/13/2023 | 051623    | 346772  | 457.60      | 457.60      | 05/13/2023 | INV  | PD  | CATCH BASIN GRATES     |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 105728 FIDELITY SECURITY LIFE INSURANCE COMPANY |      |            |           |         |             |             |            |      |     |                        |
| 165762428                                       |      | 04/22/2023 | 050423    | 346713  | 740.68      | 740.68      | 05/22/2023 | INV  | PD  | MAY EMP INS PREM-VISIO |
| CHECK DATE: 05/04/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 100649 FEDERAL EXPRESS CORPORATION              |      |            |           |         |             |             |            |      |     |                        |
| 8-112-35124                                     |      | 04/26/2023 | 050423    | 346714  | 35.01       | 35.01       | 05/11/2023 | INV  | PD  | UB SHIPPING FROM US BA |
| CHECK DATE: 05/04/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 8-119-02424                                     |      | 05/03/2023 | 050923    | 346718  | 34.86       | 34.86       | 05/18/2023 | INV  | PD  | UB SHIPPING FROM US BA |
| CHECK DATE: 05/09/2023                          |      |            |           |         |             |             |            |      |     |                        |
|                                                 |      |            |           |         | 69.87       |             |            |      |     |                        |
| 110169 FELHABER LARSON FENLON AND VOGT PA       |      |            |           |         |             |             |            |      |     |                        |
| 702382                                          |      | 05/04/2023 | 051623    | 346773  | 23,178.00   | 23,178.00   | 06/04/2023 | INV  | PD  | TH 41 PROJECT-PROPERTY |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 100653 FERGUSON ENTERPRISES INC                 |      |            |           |         |             |             |            |      |     |                        |
| 0043843                                         |      | 04/25/2023 | 051623    | 346774  | 166.52      | 166.52      | 05/25/2023 | INV  | PD  | FIREMANS PARK SHELTER  |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 0043875                                         |      | 04/25/2023 | 051623    | 346774  | 97.33       | 97.33       | 05/25/2023 | INV  | PD  | PLUMBING TOOLS         |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |
|                                                 |      |            |           |         | 263.85      |             |            |      |     |                        |
| 100658 FERGUSON WATERWORKS                      |      |            |           |         |             |             |            |      |     |                        |
| 0509820                                         |      | 04/17/2023 | 051623    | 346775  | 1,145.16    | 1,145.16    | 05/17/2023 | INV  | PD  | PARKVIEW WM BREAK      |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 100655 FERRELLGAS 7780961                       |      |            |           |         |             |             |            |      |     |                        |
| 1122947320                                      |      | 04/12/2023 | 051623    | 346776  | 46.63       | 46.63       | 05/12/2023 | INV  | PD  | PROPANE                |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |
| 106319 CHAD JEREMY FIGG                         |      |            |           |         |             |             |            |      |     |                        |
| Apr 2023                                        |      | 04/30/2023 | 051623    | 346777  | 739.20      | 739.20      | 06/01/2023 | INV  | PD  | Apr Tae Kwon Do        |
| CHECK DATE: 05/16/2023                          |      |            |           |         |             |             |            |      |     |                        |

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| 109941 BRIDGETOWER OPCO LLC           |      |            |           |         |             |             |            |      |     |                        |
| 745607267                             |      | 05/04/2023 | 051623    | 346778  | 297.66      | 297.66      | 06/04/2023 | INV  | PD  | HILL TOWER DEMO BIDS   |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 109838 FITTING REFLECTIONS LLC        |      |            |           |         |             |             |            |      |     |                        |
| 3317                                  |      | 05/03/2023 | 051623    | 346779  | 680.79      | 680.79      | 06/03/2023 | INV  | PD  | #3 POND AERATION START |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 100681 THE ARTCRAFT GROUP INC         |      |            |           |         |             |             |            |      |     |                        |
| 713480                                |      | 04/25/2023 | 051623    | 346780  | 716.35      | 716.35      | 05/25/2023 | INV  | PD  | JR FF STICKERS FOR KID |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 100698 GALLS LLC                      |      |            |           |         |             |             |            |      |     |                        |
| 024225774                             |      | 04/19/2023 | 051623    | 346781  | 251.28      | 251.28      | 05/19/2023 | INV  | PD  | Lockout Tools          |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 024261367                             |      | 04/22/2023 | 051623    | 346781  | 184.27      | 184.27      | 05/22/2023 | INV  | PD  | Lockout tools          |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
|                                       |      |            |           |         | 435.55      |             |            |      |     |                        |
| 101463 GOPHER STATE ONE CALL          |      |            |           |         |             |             |            |      |     |                        |
| 3040285                               |      | 04/30/2023 | 051623    | 346782  | 719.55      | 719.55      | 05/30/2023 | INV  | PD  | APRIL LOCATES          |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 100759 WW GRAINGER INC                |      |            |           |         |             |             |            |      |     |                        |
| 9672969624                            |      | 04/13/2023 | 051623    | 346783  | 94.68       | 94.68       | 05/13/2023 | INV  | PD  | ST. FRANCIS HVAC FILTE |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 9673186525                            |      | 04/13/2023 | 051623    | 346783  | 255.86      | 255.86      | 05/13/2023 | INV  | PD  | WELL #5                |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 9673926078                            |      | 04/13/2023 | 051623    | 346783  | 423.32      | 423.32      | 05/13/2023 | INV  | PD  | ST. FRANCIS HVAC FILTE |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
| 9684446132                            |      | 04/24/2023 | 051623    | 346783  | 28.69       | 28.69       | 05/24/2023 | INV  | PD  | TRANSFORMER FOR EVENT  |
| CHECK DATE: 05/16/2023                |      |            |           |         |             |             |            |      |     |                        |
|                                       |      |            |           |         | 802.55      |             |            |      |     |                        |
| 104859 GREYSTONE CONSTRUCTION COMPANY |      |            |           |         |             |             |            |      |     |                        |
| 30553                                 |      | 04/26/2023 | 051623    | 346784  | 650.00      | 650.00      | 05/26/2023 | INV  | PD  | SALT SHED FABRIC REPAI |

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| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 109731 HAUS OF GREY LLC           |      |            |           |         |             |             |            |      |     |                        |
| 428009                            |      | 05/02/2023 | 051623    | 346785  | 1,741.39    | 1,741.39    | 06/02/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 428010                            |      | 05/02/2023 | 051623    | 346785  | 42.00       | 42.00       | 06/02/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
|                                   |      |            |           |         | 1,783.39    |             |            |      |     |                        |
| 111291 HAZELRIGG, SAMANTHA        |      |            |           |         |             |             |            |      |     |                        |
| 112911                            |      | 03/31/2023 | 051623    | 346786  | 244.00      | 244.00      | 06/02/2023 | INV  | PD  | SHRM MEMBERSHIP RENEWA |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 100841 HERMANS LANDSCAPE SUPPLIES |      |            |           |         |             |             |            |      |     |                        |
| 455901/1                          |      | 04/27/2023 | 051623    | 346787  | 942.00      | 942.00      | 05/27/2023 | INV  | PD  | TOWN COURSE BLACK DIRT |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 56398/1                           |      | 04/27/2023 | 051623    | 346787  | 476.00      | 476.00      | 05/27/2023 | INV  | PD  | BLACK DIRT FOR SOD DAM |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
|                                   |      |            |           |         | 1,418.00    |             |            |      |     |                        |
| 100848 HIGH TECH CLEANING INC     |      |            |           |         |             |             |            |      |     |                        |
| 18714                             |      | 04/25/2023 | 051623    | 346788  | 687.53      | 687.53      | 05/25/2023 | INV  | PD  | MSB CLEANING SUPPLIES  |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18731                             |      | 05/01/2023 | 051623    | 346788  | 3,294.00    | 3,294.00    | 06/01/2023 | INV  | PD  | CITY HALL              |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18732                             |      | 05/01/2023 | 051623    | 346788  | 520.00      | 520.00      | 06/01/2023 | INV  | PD  | COMMUNITY ROOM-CLOVER  |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18734                             |      | 05/01/2023 | 051623    | 346788  | 1,215.00    | 1,215.00    | 06/01/2023 | INV  | PD  | HISTORY CENTER         |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18735                             |      | 05/01/2023 | 051623    | 346788  | 215.00      | 215.00      | 06/01/2023 | INV  | PD  | IT DEPARTMENT          |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18736                             |      | 05/01/2023 | 051623    | 346788  | 2,525.96    | 2,525.96    | 06/01/2023 | INV  | PD  | MSB                    |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18737                             |      | 05/01/2023 | 051623    | 346788  | 185.00      | 185.00      | 06/01/2023 | INV  | PD  | STANTEC ENGINEERING    |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |
| 18738                             |      | 05/01/2023 | 051623    | 346788  | 665.00      | 665.00      | 06/01/2023 | INV  | PD  | WTP                    |
| CHECK DATE: 05/16/2023            |      |            |           |         |             |             |            |      |     |                        |

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| 18782                                               |      | 05/02/2023 | 051623    | 346788  | 473.88      | 473.88      | 06/02/2023 | INV  | PD  | CLEANING SUPPLIES-CITY |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 18787                                               |      | 05/02/2023 | 051623    | 346788  | 151.94      | 151.94      | 06/02/2023 | INV  | PD  | CLEANING SUPPLIES      |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 106151 HOLT TOUR AND CHARTER INC                    |      |            |           |         | 9,933.31    |             |            |      |     |                        |
| 49734                                               |      | 04/25/2023 | 051623    | 346789  | 1,000.00    | 1,000.00    | 06/02/2023 | INV  | PD  | transportation to Trea |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 100878 HUEBSCH                                      |      |            |           |         |             |             |            |      |     |                        |
| 84176/APR2023                                       |      | 04/30/2023 | 051623    | 346790  | 1,396.28    | 1,396.28    | 05/10/2023 | INV  | PD  | APR RUG/MAT SVC        |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 108162 HYDRO-DESIGNS INC                            |      |            |           |         |             |             |            |      |     |                        |
| 0071908-IN                                          |      | 04/28/2023 | 051623    | 346791  | 680.96      | 680.96      | 05/28/2023 | INV  | PD  | RPZ DEVICE TESTING MAN |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 100889 INTERNATIONAL CITY MGMT ASSN RETIREMENT CORP |      |            |           |         |             |             |            |      |     |                        |
| 2023/0505-ICMA                                      |      | 05/05/2023 | 050923    | 346719  | 5,477.85    | 5,477.85    | 05/05/2023 | INV  | PD  | 050523 Payroll - 457 & |
| CHECK DATE: 05/09/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 104751 IMPACT MAILING OF MINNESOTA INC              |      |            |           |         |             |             |            |      |     |                        |
| 205504                                              |      | 05/03/2023 | 051623    | 346792  | 8,181.39    | 8,181.39    | 06/03/2023 | INV  | PD  | Apr Bills              |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 108039 INDIGO SIGNWORKS INC                         |      |            |           |         |             |             |            |      |     |                        |
| 97613                                               |      | 04/28/2023 | 051623    | 346793  | 182.76      | 182.76      | 05/28/2023 | INV  | PD  | TC SIGNAGE             |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 110528 INVOICE CLOUD INC                            |      |            |           |         |             |             |            |      |     |                        |
| 3052-2023_4                                         |      | 04/30/2023 | 051623    | 346794  | 9,982.80    | 9,982.80    | 05/30/2023 | INV  | PD  | Apr UB Payment Process |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |
| 110176 JAYTECH INC                                  |      |            |           |         |             |             |            |      |     |                        |
| 226430                                              |      | 04/27/2023 | 051623    | 346795  | 433.39      | 433.39      | 05/27/2023 | INV  | PD  | BOILER TREATMENT - FIR |
| CHECK DATE: 05/16/2023                              |      |            |           |         |             |             |            |      |     |                        |

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| 111168 JM TEST SYSTEMS LLC                |            |            |           |         |             |             |            |      |     |                        |
| 0675808-IN                                |            | 05/01/2023 | 051623    | 346796  | 2,816.31    | 2,816.31    | 06/01/2023 | INV  | PD  | 40 CAL FR SUIT FOR SUB |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| S802103-IN                                |            | 04/25/2023 | 051623    | 346796  | 557.69      | 557.69      | 05/25/2023 | INV  | PD  | RUBBER GLOVES AND SLEE |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
|                                           |            |            |           |         | 3,374.00    |             |            |      |     |                        |
| 111289 KNIGHT, MATTHEW                    |            |            |           |         |             |             |            |      |     |                        |
| 37540                                     |            | 04/28/2023 | 051623    | 346797  | 149.54      | 149.54      | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 101043 LANO EQUIPMENT INC                 |            |            |           |         |             |             |            |      |     |                        |
| 01-968888                                 |            | 01/12/2023 | 051623    | 346798  | 2,506.97    | 2,506.97    | 05/09/2023 | INV  | PD  | SNOW BLOWER FOR PARKS/ |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 01-990561                                 |            | 05/03/2023 | 051623    | 346798  | 100.99      | 100.99      | 06/03/2023 | INV  | PD  | #129 HYDRAULIC HOSE AS |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 01-990766                                 |            | 05/04/2023 | 051623    | 346798  | 21.24       | 21.24       | 06/04/2023 | INV  | PD  | #129 STRAP             |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
|                                           |            |            |           |         | 2,629.20    |             |            |      |     |                        |
| 101050 LAW ENFORCEMENT LABOR SERVICES INC |            |            |           |         |             |             |            |      |     |                        |
| May-23                                    |            | 05/05/2023 | 050923    | 346720  | 1,755.00    | 1,755.00    | 05/05/2023 | INV  | PD  | May-23 Police Union Du |
| CHECK DATE:                               | 05/09/2023 |            |           |         |             |             |            |      |     |                        |
| 111298 MARIA LEARY                        |            |            |           |         |             |             |            |      |     |                        |
| 113199                                    |            | 05/06/2023 | 051623    | 346799  | 279.16      | 279.16      | 06/10/2023 | INV  | PD  | Downtown temporary sig |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 101071 LENZEN CHEVROLET BUICK INC         |            |            |           |         |             |             |            |      |     |                        |
| 86833                                     |            | 04/25/2023 | 051623    | 346800  | 137.44      | 137.44      | 05/25/2023 | INV  | PD  | #83 SEAT BELT BUCKLE   |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 86869                                     |            | 05/02/2023 | 051623    | 346800  | 137.44      | 137.44      | 06/02/2023 | INV  | PD  | #93 SEAT BELT RESTRAIN |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 86881                                     |            | 05/03/2023 | 051623    | 346800  | 188.86      | 188.86      | 06/03/2023 | INV  | PD  | #93 STEERING WHEEL     |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |

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| 101097 LOCATORS & SUPPLIES INC                           |      |            |           |         | 463.74            |             |            |      |     |                        |
| 0306442-IN                                               |      | 04/25/2023 | 051623    | 346801  | 208.80            | 208.80      | 05/25/2023 | INV  | PD  | LEADS FOR LOCATOR      |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| 101124 MACQUEEN EQUIPMENT                                |      |            |           |         |                   |             |            |      |     |                        |
| P49307                                                   |      | 04/21/2023 | 051623    | 346802  | 1,971.19          | 1,971.19    | 05/21/2023 | INV  | PD  | TELEVISION WHEELS      |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| P49341                                                   |      | 04/21/2023 | 051623    | 346802  | 337.38            | 337.38      | 05/21/2023 | INV  | PD  | #142 SWEEPER MAINTENAN |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| P49496                                                   |      | 04/28/2023 | 051623    | 346802  | 83.18             | 83.18       | 05/28/2023 | INV  | PD  | #142 STREET SWEEPER SE |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| 111292 MAUCH, PAT                                        |      |            |           |         | 2,391.75          |             |            |      |     |                        |
| 2012897.002                                              |      | 05/02/2023 | 051623    | 346803  | 30.00             | 30.00       | 06/02/2023 | INV  | PD  | RFD LEARN TO CURL      |
| CHECK DATE: 05/16/2023                                   |      |            |           |         | PAYEE: MAUCH, PAT |             |            |      |     |                        |
| 108565 MCGRANN SHEA CARNIVAL STRAUGHN AND LAMB CHARTERED |      |            |           |         |                   |             |            |      |     |                        |
| 144889                                                   |      | 04/04/2023 | 051623    | 346804  | 2,062.50          | 2,062.50    | 05/26/2023 | INV  | PD  | LEGAL REVIEW-FRANCHISE |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| 101183 METROPOLITAN COUNCIL                              |      |            |           |         |                   |             |            |      |     |                        |
| APR 2023 SAC                                             |      | 04/30/2023 | 051623    | 346805  | 49,203.00         | 49,203.00   | 05/31/2023 | INV  | PD  | APR SAC CHARGES        |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| 101182 METROPOLITAN COUNCIL                              |      |            |           |         |                   |             |            |      |     |                        |
| 0001156738                                               |      | 05/04/2023 | 051623    | 346806  | 289,383.60        | 289,383.60  | 06/01/2023 | INV  | PD  | JUN SEWER SERVICES FOR |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| 101187 METRO SALES INC                                   |      |            |           |         |                   |             |            |      |     |                        |
| INV2269265                                               |      | 04/19/2023 | 051623    | 346807  | 1,000.05          | 1,000.05    | 05/19/2023 | INV  | PD  | RICOH PRINTER MSB      |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| INV2278871                                               |      | 04/18/2023 | 051623    | 346807  | 1,513.95          | 1,513.95    | 05/18/2023 | INV  | PD  | QTRLY PRINTER CONTRACT |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |
| INV2280610                                               |      | 05/05/2023 | 051623    | 346807  | 163.00            | 163.00      | 06/04/2023 | INV  | PD  | Contract Invoice       |
| CHECK DATE: 05/16/2023                                   |      |            |           |         |                   |             |            |      |     |                        |

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|                                                      |      |            |           |         | 2,677.00    |             |            |      |     |                        |
| 101199 MID COUNTY COOP #122665                       |      |            |           |         |             |             |            |      |     |                        |
| 15941                                                |      | 04/14/2023 | 051623    | 346808  | 158.70      | 158.70      | 05/14/2023 | INV  | PD  | #144 TIRE MOUNTING     |
| CHECK DATE: 05/16/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 101217 MINNESOTA CHILD SUPPORT PMT CTR               |      |            |           |         |             |             |            |      |     |                        |
| PR0505230014462992                                   |      | 05/05/2023 | 050923    | 346722  | 126.38      | 126.38      | 05/05/2023 | INV  | PD  | 050523 Payroll - Child |
| CHECK DATE: 05/09/2023                               |      |            |           |         |             |             |            |      |     |                        |
| PR050523001510208001                                 |      | 05/05/2023 | 050923    | 346721  | 219.65      | 219.65      | 05/05/2023 | INV  | PD  | 050523 Payroll - Child |
| CHECK DATE: 05/09/2023                               |      |            |           |         |             |             |            |      |     |                        |
|                                                      |      |            |           |         | 346.03      |             |            |      |     |                        |
| 101147 MINNESOTA COUNTY ATTORNEYS ASSN               |      |            |           |         |             |             |            |      |     |                        |
| 200010179                                            |      | 04/27/2023 | 051623    | 346809  | 110.00      | 110.00      | 05/27/2023 | INV  | PD  | Forms-PD               |
| CHECK DATE: 05/16/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 101236 MINNESOTA GOLF ASSOCIATION LLC                |      |            |           |         |             |             |            |      |     |                        |
| 230045                                               |      | 05/02/2023 | 051623    | 346810  | 270.00      | 270.00      | 06/02/2023 | INV  | PD  | MGA DUES               |
| CHECK DATE: 05/16/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 101256 MINNESOTA POLLUTION CONTROL AGENCY (TRAINING) |      |            |           |         |             |             |            |      |     |                        |
| 112875                                               |      | 04/24/2023 | 051623    | 346811  | 45.00       | 45.00       | 05/24/2023 | INV  | PD  | L. WECKMAN CLASS SD CE |
| CHECK DATE: 05/16/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 101303 MN TEAMSTER PUBLIC AND LAW ENFORCEMENT        |      |            |           |         |             |             |            |      |     |                        |
| May-23                                               |      | 05/05/2023 | 050923    | 346723  | 5,103.00    | 5,103.00    | 05/05/2023 | INV  | PD  | May-23 Local #320 Unio |
| CHECK DATE: 05/09/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 101276 MINNESOTA VALLEY ELECTRIC COOPERATIVE         |      |            |           |         |             |             |            |      |     |                        |
| 107050711/APR23                                      |      | 04/27/2023 | 050423    | 346715  | 946.09      | 946.09      | 05/22/2023 | INV  | PD  | APR ST LITES-TOWN COUR |
| CHECK DATE: 05/04/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 107051510/APR23                                      |      | 04/21/2023 | 050423    | 346715  | 40.98       | 40.98       | 05/16/2023 | INV  | PD  | APR 82ND ST & HWY 41 S |
| CHECK DATE: 05/04/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 778320601/APR23                                      |      | 04/21/2023 | 050423    | 346715  | 138.80      | 138.80      | 05/16/2023 | INV  | PD  | APR CHEVALLE LIFT STAT |
| CHECK DATE: 05/04/2023                               |      |            |           |         |             |             |            |      |     |                        |
| 780272000/APR23                                      |      | 04/21/2023 | 050423    | 346715  | 15.98       | 15.98       | 05/16/2023 | INV  | PD  | APR CHEVALLE IRRIGATIO |

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| INVOICE                                      | P.O. | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
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| CHECK DATE: 05/04/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 105308 MINNESOTA VALLEY UTILITY SERVICES LLC |      |            |           |         | 1,141.85    |             |            |      |     |                        |
| 1350                                         |      | 04/30/2023 | 051623    | 346812  | 7,468.90    | 7,468.90    | 05/30/2023 | INV  | PD  | MTHLY SUBSTATION MAINT |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 101281 KRISTIE MITCHELL                      |      |            |           |         |             |             |            |      |     |                        |
| 113052                                       |      | 05/06/2023 | 051623    | 346813  | 7,657.60    | 7,657.60    | 06/06/2023 | INV  | PD  | Spring Learn to Skate  |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 101341 MINNESOTA DEPT OF LABOR & INDUSTRY    |      |            |           |         |             |             |            |      |     |                        |
| APRIL0190352023                              |      | 04/30/2023 | 051623    | 346814  | 4,437.14    | 4,437.14    | 05/31/2023 | INV  | PD  | APR PERMIT SURCHARGES  |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 101324 MOTOROLA                              |      |            |           |         |             |             |            |      |     |                        |
| 112856                                       |      | 03/04/2023 | 051623    | 346815  | 5,898.56    | 5,898.56    | 04/27/2023 | INV  | PD  | Police Mobile for squa |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 103088 SID TOOL CO INC                       |      |            |           |         |             |             |            |      |     |                        |
| 29653797                                     |      | 04/17/2023 | 051623    | 346816  | 131.89      | 131.89      | 05/17/2023 | INV  | PD  | DRILL BITS FOR SIGN SH |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 101355 MTI DISTRIBUTING INC #400012          |      |            |           |         |             |             |            |      |     |                        |
| 1383082-00                                   |      | 05/01/2023 | 051623    | 346817  | 2,350.05    | 2,350.05    | 05/31/2023 | INV  | PD  | IRRIGATION PARTS-LOOP  |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 1383082-01                                   |      | 05/04/2023 | 051623    | 346817  | 127.73      | 127.73      | 06/04/2023 | INV  | PD  | IRRIGATION PARTS-LOOP  |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 1383797-00                                   |      | 05/05/2023 | 051623    | 346817  | 445.05      | 445.05      | 06/05/2023 | INV  | PD  | IRRIGATION PARTS-LOOP  |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 106657 MUNICIPAL ASSET MANAGEMENT INC        |      |            |           |         | 2,922.83    |             |            |      |     |                        |
| 01132022M18                                  |      | 05/05/2023 | 051623    | 346818  | 4,983.31    | 4,983.31    | 06/13/2023 | INV  | PD  | CCC FITNESS EQUIP LEAS |
| CHECK DATE: 05/16/2023                       |      |            |           |         |             |             |            |      |     |                        |
| 101365 STAR GROUP LLC                        |      |            |           |         |             |             |            |      |     |                        |

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| INVOICE                                  | P.O. | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
|------------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 4472/APR2023<br>CHECK DATE: 05/09/2023   |      | 04/30/2023 | 050923    | 346724  | 3,966.49    | 3,966.49    | 05/10/2023 | INV  | PD  | APR PARTS & SUPPLIES   |
| 102654 NORTH AMERICAN SAFETY INC         |      |            |           |         |             |             |            |      |     |                        |
| INV76621<br>CHECK DATE: 05/16/2023       |      | 05/02/2023 | 051623    | 346819  | 204.00      | 204.00      | 06/02/2023 | INV  | PD  | SAFETY GLOVES          |
| 101470 O'REILLY AUTOMOTIVE STORES INC    |      |            |           |         |             |             |            |      |     |                        |
| 556275/APR2023<br>CHECK DATE: 05/11/2023 |      | 04/28/2023 | 051123    | 346729  | 258.21      | 258.21      | 05/20/2023 | INV  | PD  | APR PARTS & SUPPLIES   |
| 110570 ODP BUSINESS SOLUTIONS LLC        |      |            |           |         |             |             |            |      |     |                        |
| 307853472001-1<br>CHECK DATE: 05/16/2023 |      | 04/20/2023 | 051623    | 346820  | 7.03        | 7.03        | 05/20/2023 | INV  | PD  | Coffee Filters for Bre |
| 307853472001-2<br>CHECK DATE: 05/16/2023 |      | 04/20/2023 | 051623    | 346820  | 39.89       | 39.89       | 05/20/2023 | INV  | PD  | Copy Paper             |
| 307853472001-3<br>CHECK DATE: 05/16/2023 |      | 04/20/2023 | 051623    | 346820  | 9.19        | 9.19        | 05/20/2023 | INV  | PD  | Highlighters for Work  |
| 310240643001<br>CHECK DATE: 05/16/2023   |      | 04/27/2023 | 051623    | 346820  | 11.17       | 11.17       | 05/27/2023 | INV  | PD  | WITEOUT CORRECTION TAP |
|                                          |      |            |           |         | 67.28       |             |            |      |     |                        |
| 101465 ON SITE SANITATION INC            |      |            |           |         |             |             |            |      |     |                        |
| 0001523535<br>CHECK DATE: 05/16/2023     |      | 05/04/2023 | 051623    | 346821  | 86.00       | 86.00       | 06/03/2023 | INV  | PD  | XMAS IN MAY-1681 PRESC |
| 0001523536<br>CHECK DATE: 05/16/2023     |      | 05/04/2023 | 051623    | 346821  | 86.00       | 86.00       | 06/03/2023 | INV  | PD  | XMAS IN MAY-325 HIGHWO |
| 0001523537<br>CHECK DATE: 05/16/2023     |      | 05/04/2023 | 051623    | 346821  | 86.00       | 86.00       | 06/03/2023 | INV  | PD  | XMAS IN MAY-320 W 2ND  |
| 0001523538<br>CHECK DATE: 05/16/2023     |      | 05/04/2023 | 051623    | 346821  | 86.00       | 86.00       | 06/03/2023 | INV  | PD  | XMAS IN MAY-220 DARRIC |
| 0001523539<br>CHECK DATE: 05/16/2023     |      | 05/04/2023 | 051623    | 346821  | 86.00       | 86.00       | 06/03/2023 | INV  | PD  | XMAS IN MAY-21 THOMAS  |
|                                          |      |            |           |         | 430.00      |             |            |      |     |                        |
| 109018 OPENDOOR LABS INC                 |      |            |           |         |             |             |            |      |     |                        |
| 33053-8<br>CHECK DATE: 05/16/2023        |      | 04/28/2023 | 051623    | 346822  | 6.53        | 6.53        | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |

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| INVOICE                               | P.O. | INV DATE   | CHECK RUN | CHECK # | INVOICE NET | PAID AMOUNT | DUE DATE   | TYPE | STS | INVOICE DESCRIPTION    |
|---------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 111288 PADDEN, LAURA                  |      |            |           |         |             |             |            |      |     |                        |
| 36954<br>CHECK DATE: 05/16/2023       |      | 04/28/2023 | 051623    | 346823  | 6.90        | 6.90        | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| 111283 PALMBY, JASON                  |      |            |           |         |             |             |            |      |     |                        |
| 10014944<br>CHECK DATE: 05/16/2023    |      | 04/28/2023 | 051623    | 346824  | 234.35      | 234.35      | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| 101491 PATCHIN MESSNER APPRAISALS INC |      |            |           |         |             |             |            |      |     |                        |
| 220726<br>CHECK DATE: 05/16/2023      |      | 05/10/2023 | 051623    | 346825  | 11,412.50   | 11,412.50   | 06/10/2023 | INV  | PD  | Parcel 18 Appraisal: M |
| 111284 PETERSON, JEANNE               |      |            |           |         |             |             |            |      |     |                        |
| 10014072<br>CHECK DATE: 05/16/2023    |      | 04/28/2023 | 051623    | 346826  | 49.01       | 49.01       | 05/28/2023 | INV  | PD  | CREDIT BALANCE REFUND- |
| 101557 POWER SYSTEM ENGINEERING INC   |      |            |           |         |             |             |            |      |     |                        |
| 9046973<br>CHECK DATE: 05/16/2023     |      | 05/02/2023 | 051623    | 346827  | 1,687.50    | 1,687.50    | 06/02/2023 | INV  | PD  | COORDINATION STUDY     |
| 9046974<br>CHECK DATE: 05/16/2023     |      | 05/02/2023 | 051623    | 346827  | 76.00       | 76.00       | 06/03/2023 | INV  | PD  | MODELING STUDY         |
| 9047119<br>CHECK DATE: 05/16/2023     |      | 05/05/2023 | 051623    | 346827  | 7,421.25    | 7,421.25    | 06/05/2023 | INV  | PD  | WO# 12916 MRS RTU REPL |
| 9047183<br>CHECK DATE: 05/16/2023     |      | 05/08/2023 | 051623    | 346827  | 3,365.00    | 3,365.00    | 06/08/2023 | INV  | PD  | AMI CONSULTING - APR   |
| 9047286<br>CHECK DATE: 05/16/2023     |      | 05/09/2023 | 051623    | 346827  | 18,533.00   | 18,533.00   | 06/08/2023 | INV  | PD  | GENERAL ENGINEERING FO |
|                                       |      |            |           |         | 31,082.75   |             |            |      |     |                        |
| 103055 QUALITY PROPANE INC            |      |            |           |         |             |             |            |      |     |                        |
| 3602358<br>CHECK DATE: 05/16/2023     |      | 04/05/2023 | 051623    | 346828  | 395.00      | 395.00      | 05/05/2023 | INV  | PD  | Propane Tank Replaceme |
| 3653148<br>CHECK DATE: 05/16/2023     |      | 05/01/2023 | 051623    | 346828  | 71.39       | 71.39       | 06/01/2023 | INV  | PD  | Zamboni LP Gas         |

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|-------------------------------------------|------------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 107855 STAPLES INC                        |            |            |           |         | 466.39      |             |            |      |     |                        |
| 31833984                                  |            | 04/07/2023 | 051623    | 346830  | 161.81      | 161.81      | 05/07/2023 | INV  | PD  | OFFICE SUPPLIES        |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 31935793                                  |            | 04/13/2023 | 051623    | 346829  | 142.90      | 142.90      | 05/13/2023 | INV  | PD  | Plates, knives, forks, |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32012146                                  |            | 04/18/2023 | 051623    | 346830  | 57.35       | 57.35       | 05/18/2023 | INV  | PD  | OFFICE SUPPLIES        |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32166552-1                                |            | 04/26/2023 | 051623    | 346829  | 65.99       | 65.99       | 05/26/2023 | INV  | PD  | Ink Cartridges for Vic |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32166552-2                                |            | 04/26/2023 | 051623    | 346829  | 184.52      | 184.52      | 05/26/2023 | INV  | PD  | Coffee, bowls, cups fo |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32166552-3                                |            | 04/26/2023 | 051623    | 346829  | 7.49        | 7.49        | 05/26/2023 | INV  | PD  | Post its for Work Room |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32166552-4                                |            | 04/26/2023 | 051623    | 346829  | 133.98      | 133.98      | 05/26/2023 | INV  | PD  | Copy Paper             |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32226480                                  |            | 05/01/2023 | 051623    | 346829  | 77.97       | 77.97       | 05/31/2023 | INV  | PD  | Deposit Tickets for UB |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 32241221                                  |            | 05/01/2023 | 051623    | 346829  | 27.78       | 27.78       | 05/31/2023 | INV  | PD  | Coffee filters for Bre |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 101684 R & R SPECIALTIES OF WISCONSIN INC |            |            |           |         | 859.79      |             |            |      |     |                        |
| 0078846-IN                                |            | 05/02/2023 | 051623    | 346831  | 65.00       | 65.00       | 06/02/2023 | INV  | PD  | Zamboni Blade Sharpeni |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 101631 REINDERS INC                       |            |            |           |         |             |             |            |      |     |                        |
| 3182944-00                                |            | 04/18/2023 | 051623    | 346832  | 3,810.74    | 3,810.74    | 06/01/2023 | INV  | PD  | FERTILIZER-LOOP        |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 3182948-00                                |            | 04/18/2023 | 051623    | 346832  | 11,200.50   | 11,200.50   | 06/01/2023 | INV  | PD  | FERTILIZER-TC          |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 3182949-00                                |            | 04/18/2023 | 051623    | 346832  | 14,060.48   | 14,060.48   | 06/01/2023 | INV  | PD  | FERTILIZER-TC          |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |
| 3184542-00                                |            | 04/25/2023 | 051623    | 346832  | 3,972.90    | 3,972.90    | 05/25/2023 | INV  | PD  | COURSE SUPPLIES-TC & L |
| CHECK DATE:                               | 05/16/2023 |            |           |         |             |             |            |      |     |                        |

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|------------------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 111290 KATIE BARTON                            |      |            |           |         | 33,044.62   |             |            |      |     |                        |
| 113050<br>CHECK DATE: 05/16/2023               |      | 04/25/2023 | 051623    | 346833  | 149.23      | 149.23      | 06/05/2023 | INV  | PD  | Downtown temporary sig |
| 101657 RITA VANNETT PHOTOGRAPHY INC            |      |            |           |         |             |             |            |      |     |                        |
| 5920<br>CHECK DATE: 05/16/2023                 |      | 04/22/2023 | 051623    | 346834  | 702.00      | 702.00      | 05/22/2023 | INV  | PD  | FF PICTURES FOR WALL   |
| 101673 ROCHESTER MIDLAND CORP                  |      |            |           |         |             |             |            |      |     |                        |
| INV00379086<br>CHECK DATE: 05/16/2023          |      | 04/25/2023 | 051623    | 346835  | 60.90       | 60.90       | 05/25/2023 | INV  | PD  | FIREMANS PARK          |
| 101738 SCHILLING SUPPLY COMPANY                |      |            |           |         |             |             |            |      |     |                        |
| 916422-00<br>CHECK DATE: 05/16/2023            |      | 05/01/2023 | 051623    | 346836  | 2,690.49    | 2,690.49    | 06/01/2023 | INV  | PD  | Cleaning Supplies-CCC  |
| 108102 SECURITAS ELECTRONIC SECURITY INC       |      |            |           |         |             |             |            |      |     |                        |
| 7001250891<br>CHECK DATE: 05/16/2023           |      | 04/19/2023 | 051623    | 346837  | 141.75      | 141.75      | 05/19/2023 | INV  | PD  | B. BASKET MONITORING 5 |
| 7001250892<br>CHECK DATE: 05/16/2023           |      | 04/19/2023 | 051623    | 346837  | 193.20      | 193.20      | 05/19/2023 | INV  | PD  | CITY HALL MONITORING 5 |
| 101755 SEEDORF, JOAN                           |      |            |           |         | 334.95      |             |            |      |     |                        |
| 112905<br>CHECK DATE: 05/16/2023               |      | 03/31/2023 | 051623    | 346838  | 342.72      | 342.72      | 06/02/2023 | INV  | PD  | MILEAGE, HOTEL-MASS SE |
| 101775 THE SHERWIN-WILLIAMS COMPANY-CHANHASSEN |      |            |           |         |             |             |            |      |     |                        |
| 6417-2<br>CHECK DATE: 05/16/2023               |      | 04/26/2023 | 051623    | 346839  | 379.32      | 379.32      | 05/20/2023 | INV  | PD  | FIELD STRIPING PAINT F |
| 110939 DEVTHIRTY3 LLC                          |      |            |           |         |             |             |            |      |     |                        |
| 1550<br>CHECK DATE: 05/16/2023                 |      | 04/28/2023 | 051623    | 346840  | 9,118.50    | 9,118.50    | 05/28/2023 | INV  | PD  | Bldg Insp Doc Scanning |
| 111277 JOHN SIEGFRIED                          |      |            |           |         |             |             |            |      |     |                        |

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|-----------------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 218 CHESTNUT HWY 41<br>CHECK DATE: 05/16/2023 |      | 04/14/2023 | 051623    | 346841  | 5,000.00    | 5,000.00    | 05/14/2023 | INV  | PD  | SIEGFRIED APPRAISAL RE |
| 104547 SITEONE LANDSCAPE SUPPLY HOLDING LLC   |      |            |           |         |             |             |            |      |     |                        |
| 126853971-001<br>CHECK DATE: 05/16/2023       |      | 04/25/2023 | 051623    | 346842  | 2,956.50    | 2,956.50    | 05/25/2023 | INV  | PD  | HERBICIDE FOR CITY FAC |
| 128040231-001<br>CHECK DATE: 05/16/2023       |      | 04/26/2023 | 051623    | 346842  | 237.76      | 237.76      | 05/26/2023 | INV  | PD  | SAFETY FENCE           |
| 128693413-001<br>CHECK DATE: 05/16/2023       |      | 04/14/2023 | 051623    | 346842  | 1,004.18    | 1,004.18    | 05/14/2023 | INV  | PD  | IRRIGATION SUPPLIES PA |
| 128746519-001<br>CHECK DATE: 05/16/2023       |      | 04/17/2023 | 051623    | 346842  | 1,093.58    | 1,093.58    | 05/17/2023 | INV  | PD  | HERBICIDE FOR CITY LAN |
| 129104004-001<br>CHECK DATE: 05/16/2023       |      | 04/25/2023 | 051623    | 346842  | 446.74      | 446.74      | 05/25/2023 | INV  | PD  | IRRIGATION SUPPLIES PA |
| 129183498-001<br>CHECK DATE: 05/16/2023       |      | 04/26/2023 | 051623    | 346842  | 94.53       | 94.53       | 05/26/2023 | INV  | PD  | IRRIGATION SUPPLIES FO |
|                                               |      |            |           |         | 5,833.29    |             |            |      |     |                        |
| 101803 SM HENTGES & SONS INC                  |      |            |           |         |             |             |            |      |     |                        |
| 23-01 1<br>CHECK DATE: 05/16/2023             |      | 04/28/2023 | 051623    | 346843  | 45,870.00   | 45,870.00   | 05/28/2023 | INV  | PD  | Pine/walnut Mill & Ove |
| 101828 SOUTHWEST NEWS MEDIA                   |      |            |           |         |             |             |            |      |     |                        |
| 2182018<br>CHECK DATE: 05/16/2023             |      | 04/27/2023 | 051623    | 346844  | 149.76      | 149.76      | 05/20/2023 | INV  | PD  | Zoning Ord-Chaska Yard |
| 2182019<br>CHECK DATE: 05/16/2023             |      | 04/27/2023 | 051623    | 346844  | 61.44       | 61.44       | 05/20/2023 | INV  | PD  | ZOA/Plat-Structures In |
|                                               |      |            |           |         | 211.20      |             |            |      |     |                        |
| 101850 STANTEC CONSULTING SERVICES INC        |      |            |           |         |             |             |            |      |     |                        |
| 2076201<br>CHECK DATE: 05/16/2023             |      | 05/04/2023 | 051623    | 346845  | 752.00      | 752.00      | 06/04/2023 | INV  | PD  | MSA                    |
| 2076202<br>CHECK DATE: 05/16/2023             |      | 05/04/2023 | 051623    | 346845  | 16,081.50   | 16,081.50   | 06/04/2023 | INV  | PD  | RECORD PLAN/BASE MAP U |
| 2076203<br>CHECK DATE: 05/16/2023             |      | 05/04/2023 | 051623    | 346845  | 9,076.25    | 9,076.25    | 06/04/2023 | INV  | PD  | SW COMMUNITY PARK      |
| 2076204                                       |      | 05/04/2023 | 051623    | 346845  | 3,008.00    | 3,008.00    | 06/04/2023 | INV  | PD  | SE COLLECTOR           |

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| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076205                |      | 05/04/2023 | 051623    | 346845  | 10,411.25   | 10,411.25   | 06/04/2023 | INV  | PD  | NE COLLECTOR IN SW ARE |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076209                |      | 05/04/2023 | 051623    | 346845  | 2,862.17    | 2,862.17    | 06/04/2023 | INV  | PD  | HILL TOWER REVISIONS   |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076211                |      | 05/04/2023 | 051623    | 346845  | 616.50      | 616.50      | 06/04/2023 | INV  | PD  | PAR 30 GOLF COURSE     |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076212                |      | 05/04/2023 | 051623    | 346845  | 555.50      | 555.50      | 06/04/2023 | INV  | PD  | STORMWATER REVIEW-CHAS |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076213                |      | 05/04/2023 | 051623    | 346845  | 101.00      | 101.00      | 06/04/2023 | INV  | PD  | STORMWATER REVIEW-WEST |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076214                |      | 05/04/2023 | 051623    | 346845  | 4,028.00    | 4,028.00    | 06/04/2023 | INV  | PD  | STORMWATER REVIEW-RIVE |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076215                |      | 05/04/2023 | 051623    | 346845  | 1,178.00    | 1,178.00    | 06/04/2023 | INV  | PD  | STORMWATER REVIEW-OAK  |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076216                |      | 05/04/2023 | 051623    | 346845  | 1,868.50    | 1,868.50    | 06/04/2023 | INV  | PD  | STORMWATER REVIEW-CHAS |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076217                |      | 05/04/2023 | 051623    | 346845  | 202.00      | 202.00      | 06/04/2023 | INV  | PD  | STORMWATER REVIEW-STRU |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076218                |      | 05/04/2023 | 051623    | 346845  | 326.00      | 326.00      | 06/04/2023 | INV  | PD  | CREEK RD INDUSTRIAL ST |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076219                |      | 05/04/2023 | 051623    | 346845  | 2,744.77    | 2,744.77    | 06/04/2023 | INV  | PD  | CLOVER RIDGE DR/FREY P |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076220                |      | 05/04/2023 | 051623    | 346845  | 95,528.00   | 95,528.00   | 06/04/2023 | INV  | PD  | WELL 7 WTP             |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076221                |      | 05/04/2023 | 051623    | 346845  | 10,001.55   | 10,001.55   | 06/04/2023 | INV  | PD  | 2022 DT RECONSTRUCTION |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076222                |      | 05/04/2023 | 051623    | 346845  | 175.75      | 175.75      | 06/04/2023 | INV  | PD  | MCKNIGHT WETLAND BANK  |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076223                |      | 05/04/2023 | 051623    | 346845  | 174.50      | 174.50      | 06/04/2023 | INV  | PD  | CITY SQUARE PARK IMPRO |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076224                |      | 05/04/2023 | 051623    | 346845  | 3,721.00    | 3,721.00    | 06/04/2023 | INV  | PD  | WELLS 11 & 12          |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076225                |      | 05/04/2023 | 051623    | 346845  | 13,139.25   | 13,139.25   | 06/04/2023 | INV  | PD  | GENERAL ENGINEERING    |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |
| 2076940                |      | 05/04/2023 | 051623    | 346845  | 50,112.96   | 50,112.96   | 06/04/2023 | INV  | PD  | CREEK RD TRUNK SEWER P |
| CHECK DATE: 05/16/2023 |      |            |           |         |             |             |            |      |     |                        |

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|------------------------------------------|--------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 2077437<br>CHECK DATE: 05/16/2023        |        | 05/04/2023 | 051623    | 346845  | 2,873.50    | 2,873.50    | 06/04/2023 | INV  | PD  | BAVARIA RD TURN LANES  |
| 2077444<br>CHECK DATE: 05/16/2023        |        | 05/04/2023 | 051623    | 346845  | 8,783.00    | 8,783.00    | 06/04/2023 | INV  | PD  | BAVARIA RD TURN LN IMP |
| 101858 STAPLES CONTRACT & COMMERCIAL INC |        |            |           |         | 238,320.95  |             |            |      |     |                        |
| 1648466768<br>CHECK DATE: 05/16/2023     |        | 04/25/2023 | 051623    | 346846  | 62.68       | 62.68       | 05/20/2023 | INV  | PD  | Cartridge for receipt  |
| 101888 STREICHERS                        |        |            |           |         |             |             |            |      |     |                        |
| I1629273<br>CHECK DATE: 05/16/2023       |        | 04/21/2023 | 051623    | 346847  | 89.97       | 89.97       | 05/31/2023 | INV  | PD  | Cartridges - Bolawraps |
| I1629412<br>CHECK DATE: 05/16/2023       |        | 04/24/2023 | 051623    | 346847  | 299.98      | 299.98      | 05/24/2023 | INV  | PD  | Kavlie-Vest carrier    |
| I1629701<br>CHECK DATE: 05/16/2023       |        | 04/25/2023 | 051623    | 346847  | 160.00      | 160.00      | 05/31/2023 | INV  | PD  | Rodriguez-Initial Issu |
| I1629982<br>CHECK DATE: 05/16/2023       |        | 04/26/2023 | 051623    | 346847  | 4,199.72    | 4,199.72    | 05/31/2023 | INV  | PD  | Golf Experience - Dept |
| 101892 STUART C IRBY CO                  |        |            |           |         | 4,749.67    |             |            |      |     |                        |
| S013054712.001<br>CHECK DATE: 05/16/2023 | 230058 | 04/17/2023 | 051623    | 346848  | 12,933.98   | 12,933.98   | 05/17/2023 | INV  | PD  | 3030ft COND UD ALUM 1/ |
| S013244089.001<br>CHECK DATE: 05/16/2023 | 230060 | 05/01/2023 | 051623    | 346848  | 21,187.20   | 21,187.20   | 05/31/2023 | INV  | PD  | COND UD ALUM 500 MEM S |
| S013244101.001<br>CHECK DATE: 05/16/2023 | 230061 | 05/01/2023 | 051623    | 346848  | 21,187.20   | 21,187.20   | 05/31/2023 | INV  | PD  | COND UD ALUM 500 MCM S |
| S013424356.001<br>CHECK DATE: 05/16/2023 | 230062 | 05/01/2023 | 051623    | 346848  | 11,088.06   | 11,088.06   | 05/31/2023 | INV  | PD  | COND UD ALUM 1/0 SOL 2 |
| S013424593.001<br>CHECK DATE: 05/16/2023 | 230063 | 05/01/2023 | 051623    | 346848  | 1,140.00    | 1,140.00    | 05/31/2023 | INV  | PD  | COND UD ALUM #6 STR TR |
| S013424593.002<br>CHECK DATE: 05/16/2023 | 230070 | 05/08/2023 | 051623    | 346848  | 15,520.00   | 15,520.00   | 06/07/2023 | INV  | PD  | COND UD ALUM 350 TRIPL |
| 106847 SWANNIES GOLF APPAREL CO          |        |            |           |         | 83,056.44   |             |            |      |     |                        |

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|-------------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 31129                                     |      | 04/28/2023 | 051623    | 346849  | 2,582.70    | 2,582.70    | 05/28/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 101932 TAYLOR MADE GOLF CO INC            |      |            |           |         |             |             |            |      |     |                        |
| 36674326                                  |      | 05/04/2023 | 051623    | 346850  | 249.07      | 249.07      | 07/03/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 36674529                                  |      | 05/04/2023 | 051623    | 346850  | 450.99      | 450.99      | 06/18/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 36680319                                  |      | 05/07/2023 | 051623    | 346850  | 1.00        | 1.00        | 06/05/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 36680526                                  |      | 05/08/2023 | 051623    | 346850  | 36.40       | 36.40       | 06/07/2023 | INV  | PD  | RESALE                 |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
|                                           |      |            |           |         | 737.46      |             |            |      |     |                        |
| 110392 THE SUPERLATIVE GROUP INC          |      |            |           |         |             |             |            |      |     |                        |
| 14556                                     |      | 05/01/2023 | 051623    | 346851  | 3,000.00    | 3,000.00    | 05/31/2023 | INV  | PD  | Naming Rights Consulti |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 104908 TIMESAVER OFF SITE SECRETARIAL INC |      |            |           |         |             |             |            |      |     |                        |
| M28176                                    |      | 04/28/2023 | 051623    | 346852  | 714.75      | 714.75      | 06/01/2023 | INV  | PD  | Planning 4/12, Council |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 101966 TK ELEVATOR CORPORATION            |      |            |           |         |             |             |            |      |     |                        |
| 3007237115                                |      | 05/01/2023 | 051623    | 346853  | 1,464.75    | 1,464.75    | 06/01/2023 | INV  | PD  | WTP/CITY HALL MAINTENA |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 100832 TOP GEAR INC                       |      |            |           |         |             |             |            |      |     |                        |
| 65442                                     |      | 04/26/2023 | 051623    | 346854  | 2,395.00    | 2,395.00    | 05/26/2023 | INV  | PD  | Bike Helmets           |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 101983 TOTAL CONTROL SYSTEMS INC          |      |            |           |         |             |             |            |      |     |                        |
| 10513-CREDIT                              |      | 02/07/2023 | 051623    | 346855  | -602.62     | -602.62     | 03/07/2023 | CRM  | PD  | HUNDERTMARK TOWER SECU |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
| 10651                                     |      | 05/04/2023 | 051623    | 346855  | 4,022.61    | 4,022.61    | 06/04/2023 | INV  | PD  | BALANCE OF 2022 VFD RE |
| CHECK DATE: 05/16/2023                    |      |            |           |         |             |             |            |      |     |                        |
|                                           |      |            |           |         | 3,419.99    |             |            |      |     |                        |
| 102026 API GARAGE DOOR INC                |      |            |           |         |             |             |            |      |     |                        |

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| Z239042                              |      | 04/25/2023 | 051623    | 346856  | 190.00      | 190.00      | 05/25/2023 | INV  | PD  | CLUBHOUSE GARAGE DOOR  |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 102028 TWIN CITY WATER CLINIC INC    |      |            |           |         |             |             |            |      |     |                        |
| 18829                                |      | 04/26/2023 | 051623    | 346857  | 900.00      | 900.00      | 05/26/2023 | INV  | PD  | PARK SHELTER WATERING  |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 18838                                |      | 04/26/2023 | 051623    | 346857  | 300.00      | 300.00      | 05/26/2023 | INV  | PD  | PARK SHELTER WATER TES |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
|                                      |      |            |           |         | 1,200.00    |             |            |      |     |                        |
| 110053 TX CHILD SUPPORT SDU          |      |            |           |         |             |             |            |      |     |                        |
| PRO505230012725283                   |      | 05/05/2023 | 050923    | 346725  | 115.38      | 115.38      | 05/05/2023 | INV  | PD  | 050523 Payroll - Child |
| CHECK DATE: 05/09/2023               |      |            |           |         |             |             |            |      |     |                        |
| 102064 US BANK                       |      |            |           |         |             |             |            |      |     |                        |
| 6803846                              |      | 01/25/2023 | 051623    | 346858  | 1,600.00    | 1,600.00    | 05/28/2023 | INV  | PD  | 2015C EDA PAYING AGENT |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 6900083                              |      | 04/25/2023 | 051623    | 346858  | 1,600.00    | 1,600.00    | 06/02/2023 | INV  | PD  | 2015A EDA TRUSTEE FEE  |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 6900084                              |      | 04/25/2023 | 051623    | 346858  | 1,600.00    | 1,600.00    | 06/02/2023 | INV  | PD  | 2015B EDA TRUSTEE FEE  |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
|                                      |      |            |           |         | 4,800.00    |             |            |      |     |                        |
| 104522 US FOODS INC                  |      |            |           |         |             |             |            |      |     |                        |
| 3794803                              |      | 04/27/2023 | 051623    | 346859  | 238.88      | 238.88      | 05/27/2023 | INV  | PD  | TC PAPER TOWELS        |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 3818508                              |      | 04/28/2023 | 051623    | 346859  | 109.60      | 109.60      | 05/28/2023 | INV  | PD  | TC TP                  |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 3909511                              |      | 05/02/2023 | 051623    | 346859  | 358.33      | 358.33      | 06/02/2023 | INV  | PD  | PAPER TOWELS-TC        |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
|                                      |      |            |           |         | 706.81      |             |            |      |     |                        |
| 110799 VERIZON CONNECT FLEET USA LLC |      |            |           |         |             |             |            |      |     |                        |
| 634000041242                         |      | 05/01/2023 | 051623    | 346860  | 279.20      | 279.20      | 05/31/2023 | INV  | PD  | Data Processing - GPS  |
| CHECK DATE: 05/16/2023               |      |            |           |         |             |             |            |      |     |                        |
| 102102 VERIZON WIRELESS              |      |            |           |         |             |             |            |      |     |                        |

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|---------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 9933215477                      |      | 04/23/2023 | 050423    | 346716  | 571.24      | 571.24      | 05/15/2023 | INV  | PD  | APR CRADLEPOINTS       |
| CHECK DATE: 05/04/2023          |      |            |           |         |             |             |            |      |     |                        |
| 102227 ONVOY LLC                |      |            |           |         |             |             |            |      |     |                        |
| 0009426230501                   |      | 05/01/2023 | 051623    | 346861  | 406.03      | 406.03      | 05/25/2023 | INV  | PD  | MAY EDU CTR ETHERNET   |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 0009486230501                   |      | 05/01/2023 | 051623    | 346861  | 1,015.08    | 1,015.08    | 05/25/2023 | INV  | PD  | MAY CITY HALL ETHERNET |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
|                                 |      |            |           |         | 1,421.11    |             |            |      |     |                        |
| 102133 WAGNER PRESS & GRAPHICS  |      |            |           |         |             |             |            |      |     |                        |
| 36367                           |      | 04/19/2023 | 051623    | 346862  | 1,853.17    | 1,853.17    | 05/19/2023 | INV  | PD  | LEAD AND COPPER INVENT |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 36372                           |      | 04/19/2023 | 051623    | 346862  | 37.00       | 37.00       | 05/19/2023 | INV  | PD  | BUSINESS CARDS-M. O'CO |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
|                                 |      |            |           |         | 1,890.17    |             |            |      |     |                        |
| 110944 WECKMAN, LANCE           |      |            |           |         |             |             |            |      |     |                        |
| 113036                          |      | 04/14/2023 | 051623    | 346863  | 206.00      | 206.00      | 06/05/2023 | INV  | PD  | DOT Physical, Class SD |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 102192 WILSON SPORTING GOODS CO |      |            |           |         |             |             |            |      |     |                        |
| 4541723778                      |      | 05/03/2023 | 051623    | 346864  | 133.66      | 133.66      | 08/01/2023 | INV  | PD  | JR GOLF PROGRAM        |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 4541762219                      |      | 05/08/2023 | 051623    | 346864  | 145.52      | 145.52      | 08/06/2023 | INV  | PD  | JR GOLF SUPPLIES       |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
|                                 |      |            |           |         | 279.18      |             |            |      |     |                        |
| 102189 WM MUELLER & SONS        |      |            |           |         |             |             |            |      |     |                        |
| 285624                          |      | 04/18/2023 | 051623    | 346865  | 2,876.93    | 2,876.93    | 05/25/2023 | INV  | PD  | Material to pave alley |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 285753                          |      | 04/25/2023 | 051623    | 346865  | 458.49      | 458.49      | 05/25/2023 | INV  | PD  | POTHOLE PATCHING       |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 285785                          |      | 04/26/2023 | 051623    | 346865  | 284.58      | 284.58      | 05/25/2023 | INV  | PD  | POTHOLE PATCHING       |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |
| 285904                          |      | 04/27/2023 | 051623    | 346865  | 240.87      | 240.87      | 05/25/2023 | INV  | PD  | POTHOLE PATCHING       |
| CHECK DATE: 05/16/2023          |      |            |           |         |             |             |            |      |     |                        |

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|-----------------------------|------|------------|-----------|---------|--------------|-------------|------------|------|-----|------------------------|
|                             |      |            |           |         | 3,860.87     |             |            |      |     |                        |
| 102220 XIGENT SOLUTIONS LLC |      |            |           |         |              |             |            |      |     |                        |
| 10665                       |      | 04/19/2023 | 051623    | 346866  | 2,900.00     | 2,900.00    | 05/19/2023 | INV  | PD  | VMWARE LICENSES & SUPP |
| CHECK DATE: 05/16/2023      |      |            |           |         |              |             |            |      |     |                        |
| 10765                       |      | 05/01/2023 | 051623    | 346866  | 1,778.44     | 1,778.44    | 05/31/2023 | INV  | PD  | MAY VULNERABILITY SVC  |
| CHECK DATE: 05/16/2023      |      |            |           |         |              |             |            |      |     |                        |
| 10766                       |      | 05/01/2023 | 051623    | 346866  | 13,914.69    | 13,914.69   | 05/31/2023 | INV  | PD  | MAY SUPPORT SVC        |
| CHECK DATE: 05/16/2023      |      |            |           |         |              |             |            |      |     |                        |
| 10767                       |      | 05/01/2023 | 051623    | 346866  | 4,701.00     | 4,701.00    | 05/31/2023 | INV  | PD  | MAY RECOVERY SVC       |
| CHECK DATE: 05/16/2023      |      |            |           |         |              |             |            |      |     |                        |
|                             |      |            |           |         | 23,294.13    |             |            |      |     |                        |
| 102231 ZIEGLER INC          |      |            |           |         |              |             |            |      |     |                        |
| IN000964642                 |      | 04/20/2023 | 051623    | 346867  | 386.03       | 386.03      | 05/20/2023 | INV  | PD  | BATTERY FOR GENERATOR  |
| CHECK DATE: 05/16/2023      |      |            |           |         |              |             |            |      |     |                        |
| SI000322464                 |      | 04/27/2023 | 051623    | 346867  | 18,881.56    | 18,881.56   | 05/27/2023 | INV  | PD  | MOTOR OPERATORS FOR SU |
| CHECK DATE: 05/16/2023      |      |            |           |         |              |             |            |      |     |                        |
| 315 INVOICES                |      |            |           |         | 1,377,366.78 |             |            |      |     |                        |

\*\* END OF REPORT - Generated by Michelle Robbin \*\*

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Program ID: apinv1st

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## 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   |            |           |         |             |             |            |      |     |                        |
| 112991                 |                                               | 05/05/2023 | 050823    | 3702    | 7,008.83    | 7,008.83    | 05/08/2023 | DIR  | PD  | 050523 Payroll - HCSP  |
| CHECK DATE: 05/08/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 107744                 | GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY   |            |           |         |             |             |            |      |     |                        |
| 112992                 |                                               | 05/05/2023 | 050823    | 3703    | 850.00      | 850.00      | 05/08/2023 | DIR  | PD  | 050523 Payroll - MNDCP |
| CHECK DATE: 05/08/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 101756                 | MII LIFE INCORPORATED                         |            |           |         |             |             |            |      |     |                        |
| 40600156               |                                               | 05/02/2023 | 050323    | 3695    | 1,060.30    | 1,060.30    | 05/03/2023 | DIR  | PD  | 5/3/23 FSA REIMB-HEALT |
| CHECK DATE: 05/03/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 40609538               |                                               | 05/09/2023 | 051023    | 3705    | 240.49      | 240.49      | 05/10/2023 | DIR  | PD  | 5/10/23 FSA REIMB-HEAL |
| CHECK DATE: 05/10/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 100927                 | INTERNAL REVENUE SERVICE                      |            |           |         | 1,300.79    |             |            |      |     |                        |
| 112985                 |                                               | 05/05/2023 | 050523    | 3697    | 153,032.73  | 153,032.73  | 05/05/2023 | DIR  | PD  | 050523 Payroll - SS, M |
| CHECK DATE: 05/05/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 101343                 | MINNESOTA DEPT OF REVENUE-PAYROLL WIRES       |            |           |         |             |             |            |      |     |                        |
| 112986                 |                                               | 05/05/2023 | 050823    | 3701    | 30,322.21   | 30,322.21   | 05/08/2023 | DIR  | PD  | 050523 Payroll - MN St |
| CHECK DATE: 05/08/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 101376                 | NATIONWIDE RETIREMENT SOLUTIONS(USCM)         |            |           |         |             |             |            |      |     |                        |
| 112987                 |                                               | 05/05/2023 | 050523    | 3698    | 15,452.65   | 15,452.65   | 05/05/2023 | DIR  | PD  | 050523 Payroll - 457 C |
| CHECK DATE: 05/05/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 106955                 | NATIONWIDE RETIREMENT SOLUTIONS(USCM)         |            |           |         |             |             |            |      |     |                        |
| 112990                 |                                               | 05/05/2023 | 050523    | 3700    | 6,219.92    | 6,219.92    | 05/05/2023 | DIR  | PD  | 050523 Payroll - Roth  |
| CHECK DATE: 05/05/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 111296                 | OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY |            |           |         |             |             |            |      |     |                        |
| 113205                 |                                               | 05/09/2023 | 050923-1  | 3704    | 313,760.65  | 313,760.65  | 05/09/2023 | DIR  | PD  | 2950 Chaska Blvd-EDA P |
| CHECK DATE: 05/09/2023 |                                               |            |           |         |             |             |            |      |     |                        |
| 104668                 | OPTUM BANK INC                                |            |           |         |             |             |            |      |     |                        |

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 User: 8482mrob  
 Program ID: apinvlst

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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    |
|------------------------------------------------|------|------------|-----------|---------|-------------|-------------|------------|------|-----|------------------------|
| 112989                                         |      | 05/05/2023 | 050423-1  | 3696    | 19,326.09   | 19,326.09   | 05/05/2023 | DIR  | PD  | 050523 Payroll - HSA C |
| CHECK DATE: 05/04/2023                         |      |            |           |         |             |             |            |      |     |                        |
| 101506 PUBLIC EMPLOYEES RETIREMENT ASSOCIATION |      |            |           |         |             |             |            |      |     |                        |
| 112988                                         |      | 05/05/2023 | 050523    | 3699    | 111,727.74  | 111,727.74  | 05/05/2023 | DIR  | PD  | 050523 Payroll - PERA  |
| CHECK DATE: 05/05/2023                         |      |            |           |         |             |             |            |      |     |                        |
| 101973 CARVER COUNTY TITLE MANAGEMENT INC      |      |            |           |         |             |             |            |      |     |                        |
| PARCEL 39 HWY 41                               |      | 04/28/2023 | 042823    | 3693    | 35,055.50   | 35,055.50   | 04/28/2023 | DIR  | PD  | HRON-EASEMENTS, DAMAGE |
| CHECK DATE: 04/28/2023                         |      |            |           |         |             |             |            |      |     |                        |
| 110788 WEX HEALTH INC                          |      |            |           |         |             |             |            |      |     |                        |
| 2023/0501                                      |      | 05/01/2023 | WIRE_001  | 3694    | 27,456.00   | 27,456.00   | 05/02/2023 | DIR  | PD  | 5/1/23 VEBA CITY CONTR |
| CHECK DATE: 05/02/2023                         |      |            |           |         |             |             |            |      |     |                        |
|                                                |      |            |           |         | 27,456.00   |             |            |      |     |                        |
| 13 INVOICES                                    |      |            |           |         | 721,513.11  |             |            |      |     |                        |

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### **COUNCIL MEETING/WORK SESSION SCHEDULE**

Below is a list of the upcoming Council Meetings and Work Sessions to plan for:

**May 29<sup>th</sup> (Memorial Day):** While we do have a 5<sup>th</sup> Monday of the month in May, we will not be having a meeting that night since it is Memorial Day.

**June 5<sup>th</sup>:** We will be having a Work Session prior to this meeting starting at 5:30. The purpose of this work session will be to share with Council the proposed Concept Plan for the Public Safety Center based on the work we have been doing with the architect since March. We are starting at 5:30 to give us enough time to discuss the reasoning behind recommendations that are being made at this point, to be able to answer any questions Council may have and to talk about the next stages in the process we anticipate for continuing forward with plan design and the official City Planning process. We do plan on having an open house for the public to be able to see the Concept Plan during mid-June to be able to prepare for the first stage of the official Planning Process which we do plan on starting in July with the Planning Commission and City Council considering the concept plan for this building. It should be noted that we will also be scheduling a separate meeting with surrounding neighbors following the Work Session to be able to share with them, answer and of their questions and be able to take some feedback. We did not want to have the neighborhood meeting or Open House until the Council had a first opportunity to see the Concept proposal to make sure everyone is comfortable with what is being shared. We will have a regular Council meeting to follow.

**June 19<sup>th</sup>:** We will have a regular Council meeting on this date. It is uncertain at this point whether we will need a Work Session. I will keep you informed if it looks like we may need one. I will also keep you informed if the State moves during the legislative session to institute Juneteenth as an office Holiday. While the original proposal was to start this in 2024, there is some talk that this will start in 2023. If that were the case, we would then be moving our second Council meeting of the month to June 26<sup>th</sup>.

**July 3<sup>rd</sup>:** With many people likely being out of town for a long weekend with July 4<sup>th</sup> falling on a Tuesday, we did not plan on having a Council meeting on this night. We do have 5 Mondays in July, so we will still plan on having meetings on July 17<sup>th</sup> and 31<sup>st</sup>.

If you have any questions about this meeting schedule or are unable to attend, please just let me know.

### **UPCOMING HIGHWAY 41/61 ACTIVITIES**

As the Council is aware, we are now well into our second week of full closure of Highway 41 through the Downtown area. While things are different for getting around downtown, our perception of traffic flow through downtown is that it has worked well. There are times early in the day and towards the end of the day that do get busy on Walnut, Pine, and 4<sup>th</sup> Streets, but the traffic has been manageable and has moved through downtown fairly efficiently. The largest issue that we initially saw with traffic congestion was on Engler Boulevard both early in the day and late in the afternoon as Schools are going into session and people are trying to go to work utilizing Highway 101 to get across the Minnesota River. While the first couple of days were congested, we were able to get MnDOT to increase green time on Engler Boulevard at the Highway 41 signal, which has had a positive impact on traffic movement.

One thing that you will start to see over the next week is videos we have been working in conjunction with the Downtown Business Alliance to produce both to show people how to get into downtown, and also an opportunity for different businesses to promote their business to the public. We plan on making one of these videos per week during the construction process. Everything seems to be on schedule for construction and the next major change we will see will come towards the end of June/beginning of July when the Minnesota River Bridge does reopen to car traffic. We suspect that traffic will be more congested when this occurs and we will have to be nimble on how to balance getting traffic into downtown while also getting it to move somewhat efficiently.

If there are any questions or concerns about this, please do not hesitate to contact me or Elise.

### **CHRISTMAS IN MAY 2023 RECAP**

While we couldn't have the volunteer portion of our Christmas in May projects this year because of rain threats, this was still a successful year with 7 projects being able to be completed. These projects ranged anywhere from putting a new roof on a mobile home to painting an entire house, repairing siding and a deck at another property to addressing significant drainage issues in the backyard of a property. While most of the work for this year is complete, there are still some projects that we are working to complete bringing together volunteers from St. John's church for one project and City Employees volunteering to complete painting jobs on two other properties. It is our hope that we will be able to get all these projects completed before Memorial Day. Once completed, this will actually be the largest number of projects we have completed in one given year for Christmas in May and was one of our best fundraising years ever. I want to take this opportunity to thank all the house captains and Christmas in May Board members that put in extra time this year to get these projects done without the benefit of the large number of volunteers. I also want to thank the City Staff who put a lot of their own time into helping get these projects completed for residents who really needed the help. In our 27-year history, this is only the 2<sup>nd</sup> time weather has created significant issues for us, so we hope to get back on track with better weather and a full volunteer effort in 2024. If you have any questions about this, do not hesitate to let me know.

### **CITY SQUARE WEST LEGISLATIVE UPDATE**

With the Legislative Session ending on May 22<sup>nd</sup>, Staff continue to work with our lobbyists to try to get some level of funding in place for our City Square West project. At this time, it is looking like a Bonding Bill is going to be difficult to get done this year since Democrats do not have a super-majority needed to get a Bonding Bill past, with them now focusing on a "Cash Bill"

instead which would utilize some of the surplus to fund certain project. While the Democrats can get a cash bill completed without having Republican support, a cash bill would be much smaller in size and would not be able to accommodate all the projects that have requested dollars through the Bonding process. At this time, there is a first draft of a potential Cash Bill that has been drafted that City Square West is not in the proposal. That does not mean that it won't be included through the negotiation process, but it is not something that made the initial cut. We will keep you informed of any progress that gets made during the next two weeks, but it is likely we will not know exactly where things are likely to go until the last day of session.

If you have any questions on this, please feel free to contact me.

### **DOWNTOWN BUILDING ASSISTANCE PROGRAM**

As Elise and I have shared with you over the past few weeks, we are currently working on putting together a revision to our Storefront Loan policy to expand where the dollars can be utilized so that businesses in the downtown can use these dollars to also make improvements to their buildings that would allow them to better orient a secondary entrance onto parking lots in the back of businesses. As we have been working on this, we have also been looking at how we can change our existing program to also encourage more building owners to utilize this program. One change that we are going to be making to Council is that we turn a portion of any assistance we provide into a "Forgivable Loan" to allow a portion of the assistance to become a grant if they meet certain objectives we define in the program. The feedback we have received from Downtown Building Owners is that they would be more likely to utilize this assistance if there was a forgivable portion of the assistance. While we are not completed with the policy recommendation yet, we are aiming to bring this back to the Council at the June 5<sup>th</sup> meeting to consider so that we can work with businesses this summer to try to start improvements that could be implemented as close to when the road project is done as possible. As part of the process of developing this program, we will also be sharing with businesses in the Downtown Business Alliance to get feedback on the things that could work and not work for them to encourage more building owners to use this incentive package. If there are any questions on what we are working on, or if you have any comments, do not hesitate to contact me or Elise.

### **UPCOMING EVENTS:**

**Memorial Day Program:** The Chaska American Legion and the VFW will once again be hosting their Memorial Day program on Monday, May 29<sup>th</sup> at Veteran's Park. The program will start with a short parade at 10 am with the program immediately to follow. If there is rain, the program will get moved into the Chaska VFW.

**Southwest Metro Chamber Farmer's Market:** The Chamber will be starting their Farmer's Markets on Wednesday June 21<sup>st</sup>, with the markets being held every Wednesday evening through September 20<sup>th</sup>. With City Square being closed this summer, the market will move into Fireman's Park, with it partnering with our Park and Recreation Department on our Wednesday evening band concerts. The market will be moved to the hours of 5-8 to coincide with the other activities in the park, with it moving to 4-7 after August 4<sup>th</sup> to accommodate reduction in evening sunlight. Our hope is that by combining our concerts with the Farmer's Market that it can create a "mini-festival" every Wednesday evening in downtown throughout the summer. If you have any questions on this, please let me know.



